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SITE ASSESSMENT REPORT FOR SITE 4 FUELING FACILITY AND FORMER HANGARS AREA NAS SAUFLEY FIELD FL

7/1/2011

TETRA TECH INC

Comprehensive Long-term Environmental Action Navy

CONTRACT NUMBER N62467-04-D-0055

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July 2011

Site Assessment Report
for
Site 4 – Fueling Facility and Former Hangars Area

Saufley Field
Pensacola, Florida

Contract Task Order 0029

July 2011

NAVFAC
Naval Facilities Engineering Command
NAVFAC SOUTHEAST

NAS Jacksonville
Jacksonville, Florida 32212-0030

TETRA TECH NUS, Inc.

SITE ASSESSMENT REPORT
FOR
SITE 4 - FUELING FACILITY AND FORMER HANGARS AREA

SAUFLEY FIELD
PENSACOLA, FLORIDA

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PROFESSIONAL CERTIFICATION

Site Assessment Report
for
Site 4 – Fueling Facility and Former Hangars Area
Saufley Field
Pensacola, Florida

This Site Assessment Report was prepared under the direct supervision of the undersigned geologist using geologic and hydrogeologic principles standard to the profession at the time the report was prepared in general conformance with the Requirements of Chapters 62-770 and 62-780, Florida Administrative Code. If conditions are determined to exist that differ from those described, the undersigned geologist should be notified to evaluate the effects of additional information on the assessment described in this report. This report was developed specifically for the referenced site and should not be construed to apply to any other site.

_____

Gerald Walker, P.G.
Florida License Number PG-1180

_____

Date

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ACRONYMS

AST	aboveground storage tanks
AVGAS	aviation gasoline
bls	below land surface
BOD	biological oxygen demand
CERCLA	Comprehensive Environmental Response, Compensation and Liability Act
CLEAN	Comprehensive Long-term Environmental Action Navy
CLP	Contract Laboratory Program
COC	chemical of concern
COD	chemical oxygen demand
CTL	cleanup target level
CTO	Contract Task Order
DPT	direct-push technology
EDB	ethylene dibromide
F.A.C.	Florida Administrative Code
FDEP	Florida Department of Environmental Protection
FID	flame ionization detector
FL-PRO	Florida Residual Petroleum Organic Method
GCTL	Groundwater Cleanup Target Level
HB-CTL	Health Based Cleanup Target Level
IDW	Investigative Derived Waste
LUC	Land Use Control
mg/kg	milligrams per kilogram
mg/L	milligrams per liter
MNA	monitoring of natural attenuation
MOP	Monitoring Only Plan
msl	mean sea level
NAD	North American Datum of 1983
NADC	Natural Attenuation Default Concentrations
NAS	Naval Air Station
NAVD	North American Vertical Datum
NAVFAC SE	Naval Facilities Engineering Command, Southeast
NEESA	Naval Energy and Environmental Support Activity
NETPMSA	Naval Educational and Training Program Management Support Activity
NTTC	Navy Technical Training Center
NTU	Nephelometric Turbidity Unit

ACRONYMS (CONTINUED)

OVA	organic vapor analyzer
PAH	polynuclear aromatic hydrocarbon
PCB	polychlorinated biphenyl
ppm	Parts Per Million
PVC	polyvinyl chloride
PW	potable well
PWC	Public Works Center
RAP	Risk Assessment Plan
SA	Site Assessment
SAR	Site Assessment Report
SARA	Site Assessment Report Addendum
SCTL	Soil Cleanup Target Level
SOP	Standard Operating Procedure
SPLP	synthetic precipitation leaching procedure
SVOC	semivolatile organic compound
TAL	target analyte list
TCL	target compound list
TRPH	total recoverable petroleum hydrocarbons
Tetra Tech	Tetra Tech NUS, Inc.
µg/L	micrograms per liter
USDA	United States Department of Agriculture
UST	underground storage tank
USEPA	United States Environmental Protection Agency
VOC	volatile organic compound

EXECUTIVE SUMMARY

The purpose of this Site Assessment at Site 4 - Fueling Facility and Former Hangars Area (Site 4), is to provide data to evaluate current environmental conditions. This data is used to guide remedy selection for the contaminants identified at Site 4, Saufley Field, Pensacola, Florida.

SITE HISTORY

Since the 1940's, the Saufley Field has undergone several changes in operations. Originally, Site 4 was used for aviation activities. Underground storage tanks and associated subsurface petroleum piping system were installed to support these activities. Presently all flight activities have been discontinued and the primary mission of Saufley Field was transitioned to tenant support and training.

In 2008, the Navy entered into negotiations to form an Enhanced Use Lease partnership with private industry. The objective of the Enhanced Use Lease program is to transform 104 acres of the property at Saufley Field into a diversified, multi-use business campus through the creative adaptation and reuse of two sites (areas of the base). The first area contained 85.5 acres with 60 buildings (including four hangars) encompassing 622,000 square feet of space and the second area contained 18.7 acres that is currently used as a golf course. The total area also offers potential access to two 4,000 linear foot runways.

SITE ASSESSMENT

Initially, site assessments at Saufley Field were conducted under, and regulated by, the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) guidelines and criteria. Upon review of the assessment data generated by this study, it was determined the identified contaminants consisted predominantly of petroleum based compounds. As a result, the Florida Department of Environmental Protection (FDEP) was petitioned for transfer of the Site from CERCLA to petroleum assessment/cleanup criteria under Chapter 62-770, Florida Administrative Code (F.A.C.). The FDEP agreed via email to this transfer on February 12, 2009.

No previous field investigations have been conducted for Site 4. Beginning in 2006, Tetra Tech NUS, Inc. conducted geophysical and electromagnetic surveys, installed monitoring wells, and conducted soil and groundwater sampling activities. Information gathered has been used to assess and characterize the nature and extent of the contaminants, as well as to better understand site characteristics.

The investigation included the collection of 68 subsurface soil samples around the perimeters of Buildings 807, 808, 809, and 810, the wash rack areas, and randomly throughout the site. Additionally,

10 background subsurface soil samples were collected near the western perimeter of the installation with soil sample depths ranging from 2 to 55 feet below land surface (bls). A total of 44 groundwater monitoring wells, ranging in depth from 30 to 130 feet bls were installed and sampled in four separate events, and two background wells were installed near the eastern perimeter of the facility. After collection, the subsurface soil and groundwater samples were sent to an off-site laboratory where they were analyzed for target compound list (TCL) volatile organic compounds (VOCs), TCL semivolatile organic compounds (SVOCs) including polynuclear aromatic hydrocarbons (PAHs), total recoverable petroleum hydrocarbons (TRPH), and target analyte list (TAL) metals. TCL pesticides, TCL polychlorinated biphenyls (PCBs), cyanide, and ethylene dibromide (EDB) were analyzed in soils and groundwater and were reported as non-detect during the first two sampling events.

NATURE AND EXTENT OF CONTAMINATION

Though there is no known available information which identifies the precise source and nature of materials or the specific time of release(s), the contaminants found are consistent with the historic use(s) of the site. In subsurface soil samples, 17 samples contained arsenic at concentrations that exceeded the Florida residential direct exposure Soil Cleanup Target Level (SCTL). Two subsurface soil samples contained TRPH at concentrations that exceeded the residential direct exposure and leachability to groundwater SCTL. Also, 1,1-biphenyl and methyl chloride were detected at concentrations exceeding the Florida SCTL leachability to groundwater SCTL in two separate samples. None of the detected concentrations exceeded their Florida commercial/industrial direct exposure SCTLs in the samples collected during the subsurface soil investigation at Site 4.

During the initial round of groundwater sampling conducted from December 2006 to January 2007, VOCs and SVOCs were detected at concentrations exceeding Groundwater Cleanup Target Levels (GCTLs) as defined by Chapters 62-550 and 62-777, F.A.C. (hereinafter cleanup target levels [CTLs]) in samples from monitoring wells in the vicinity of Buildings 807 and 810. Further investigation near Buildings 807 and 808 confirmed that groundwater contamination is relatively isolated and has not impacted the entire site. Results of supplemental assessment activities conducted near Buildings 807 and 810 delineated the contaminants to the immediate surrounding area.

During the June 2007 groundwater sampling event, groundwater samples were collected from 10 newly installed monitoring wells. Six VOCs (benzene, cis-1,2-dichloroethene, dibromochloromethane, ethylbenzene, isopropylbenzene, and total xylenes), two SVOCs (1,1-biphenyl and naphthalene) five inorganics (aluminum, chromium, iron, manganese and nickel), and TRPH were detected at concentrations meeting or exceeding their current Florida CTLs.

During the June 2010 groundwater sampling event, groundwater samples were collected from 10 monitoring wells. Chromium and nickel were less than their Florida CTLs and the VOCs benzene, ethylbenzene, total xylenes, isopropylbenzene, and cis-1,2-dichloroethene and the SVOC naphthalene exceeded their CTLs in the groundwater sample collected from monitoring well OLFS4-MW05S.

During the April 2011 groundwater sampling event, groundwater samples were collected from 16 monitoring wells. Monitored natural attenuation (MNA) parameters were also collected from five monitoring wells. Five VOCs (benzene, cis-1,2-dichloroethene, ethylbenzene, isopropylbenzene, and total xylenes), three SVOCs (1-methylnaphthalene, 2-methylnaphthalene, and naphthalene) were detected at concentrations exceeding the current Florida CTLs.

During all four groundwater sampling events at Site 4, aluminum, iron, and manganese were detected at concentrations exceeding their secondary and natural attenuation default concentrations (NADCs). Iron and manganese were also detected in select groundwater samples at concentrations exceeding Chapter 62-785, F.A.C. Table A, Health Based Cleanup Target Levels (HB-CTLs). Additionally, aluminum, chromium, iron, manganese, and nickel were detected in groundwater samples collected from background monitoring wells at concentrations greater than their respective CTLs.

CONCLUSIONS

Soil assessment activities conducted at Site 4 did not reveal an exceedance of the Florida commercial/industrial direct exposure SCTLs. Arsenic was detected at 19 soil sample locations throughout Site 4 at concentrations greater than the Florida residential direct exposure SCTL. TRPH was detected in soil samples collected from two subsurface sample locations near Building 810 at concentrations exceeding the Florida residential direct exposure and leaching to groundwater SCTLs.

Analysis of two additional soil samples, collected at depth within the wash rack area at Building 810, also revealed the presence of 1,1-biphenyl and methyl chloride at concentrations exceeding their Florida leaching to groundwater SCTLs. However, 1,1-biphenyl and methyl chloride were not detected in groundwater samples, suggesting that they are not leaching to groundwater.

Although arsenic and TRPH exceeded their respective residential direct exposure SCTLs, it should be noted that the subsurface soil samples were collected at depths that are below the residential direct exposure threshold horizon of 2 feet bls.

TRPH also exceeded the leachability to groundwater SCTL in two subsurface soil samples in the vicinity of Building 810. Although TRPH exceeded its CTL in groundwater samples collected at Building 810 in

2007, the groundwater samples collected in 2011 at this location were less than its Florida CTL. This suggests that TRPH currently is not leaching to groundwater at this location.

Detected concentrations of the VOCs benzene, and ethylbenzene, SVOCs 1-methylnaphthalene and 2-methylnaphthalene, and TRPH in groundwater samples collected at Site 4 were less than their NADCs. However, three VOCs, cis-1,2-dichloroethane, isopropyl benzene, and total xylenes and one SVOC, naphthalene were detected at concentrations above their NADCs in monitoring well OLFS4-MW05S during the April 2011 groundwater sampling event. The VOC isopropylbenzene was detected at a concentration exceeding its NADC in the groundwater sample from monitoring well OLFS4-MW32S during the April 2011 groundwater sampling event.

Water levels decreased by an average of 4 feet from the June 2010 groundwater sampling event to the April 2011 groundwater sampling event and are a possible contributing factor to the apparent increase in contaminant concentrations. Analytical results of natural attenuation parameters indicate that attenuation is occurring at Site 4.

Aluminum, iron, and manganese were detected in groundwater samples collected at Site 4 at concentrations that exceeded their secondary CTLs and NADCs; iron and manganese also exceeded HB-CTLs Chapter 62-785, F.A.C., Table A HB-CTLs. However, based on the background groundwater samples, these constituents occur naturally in the groundwater at Saufley Field and not caused by operations or a release from the Site. Therefore, the concentrations of aluminum, iron, and manganese in groundwater samples at Site 4 are attributed to natural background.

A summary of the constituents that were found to currently exceed their respective CTLs for Buildings 807, 809, and 810 is listed below.

Building 807

VOCs: benzene, cis-1,2-dichloroethene, ethylbenzene, isopropylbenzene, and total xylenes
SVOCs: 1-methylnaphthalene, 2-methylnaphthalene, and naphthalene
TRPH

Buildings 809 and 810

VOCs: isopropylbenzene and total xylenes.
SVOC: Naphthalene

Because potable water is provided to Saufley Field from the Naval Technical Training Center (NTTC) Corry Station, located approximately 5.5 miles from the Site, there is currently not a complete exposure pathway to groundwater at the facility.

Based on the assessment findings presented herein, a natural attenuation monitoring plan was developed (see Section 5.5) to document and monitor the degradation of the contaminants that have been identified in Site 4 groundwater.

1.0 INTRODUCTION

Tetra Tech NUS, Inc. (Tetra Tech), under contract to the Department of Navy, Naval Facilities Engineering Command, Southeast (NAVFAC SE) has completed this Site Assessment Report (SAR) documenting the site assessment (SA) activities at Site 4 at Saufley Field located near Pensacola, Florida. This SAR was prepared under the Comprehensive Long-term Environmental Action Navy (CLEAN) IV Contract Number N62467-04-D-0055, Contract Task Order (CTO) 0029.

Initially, SA activities at Saufley Field were conducted under, and regulated by, the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) guidelines and criteria. As part of the SA, a draft Remedial Investigation including a detailed risk assessment for Site 4 was conducted to evaluate the potential threat to the environment and human health and welfare. A complete copy of the human health and ecological risk assessment is presented in Appendix A. Upon review of the assessment data generated by this study, it was determined the identified contaminants consisted predominantly of petroleum based compounds. As a result, the Florida Department of Environmental Protection (FDEP) was petitioned for transfer of the Site from CERCLA to petroleum assessment/cleanup criteria under Chapter 62-770, Florida Administrative Code (F.A.C.). The FDEP agreed via email to this transfer on February 12, 2009.

1.1 PURPOSE AND SCOPE

The purpose of this SA is to evaluate contaminants that may be present in soil and groundwater beneath the site and guide the remedy selection which is protective of human health and the environment with respect to the potential presence of contamination at Site 4.

The scope of work for this SA was developed in general accordance with the requirements of Chapter 62-770, F.A.C., Chapter 62-550, F.A.C., Chapter 62-777, F.A.C., Chapter 62-785 F.A.C. and Chapter 62-780, F.A.C. The following activities were completed for this investigation.

- Performance of a geophysical survey to investigate the presence of underground storage tanks (USTs) and underground piping that may represent a source of contamination or preferential pathway for contaminant migration.
- Advancement of 78 soil borings via direct-push technology (DPT) with collection of soil samples for on-site soil vapor screening.
- Collection of subsurface soil samples for fixed-base laboratory analyses of regulated petroleum hydrocarbons.

- Installation and development of 46 monitoring wells.
- Collection of groundwater samples from the monitoring well network for fixed-base laboratory analyses of regulated petroleum hydrocarbons.
- Professional Land Survey of monitoring well locations, ground surface elevations, top of casing elevations and collection of depth to groundwater measurements.
- Management and disposal of investigative derived waste (IDW) generated during assessment activities.

1.2 SITE LOCATION

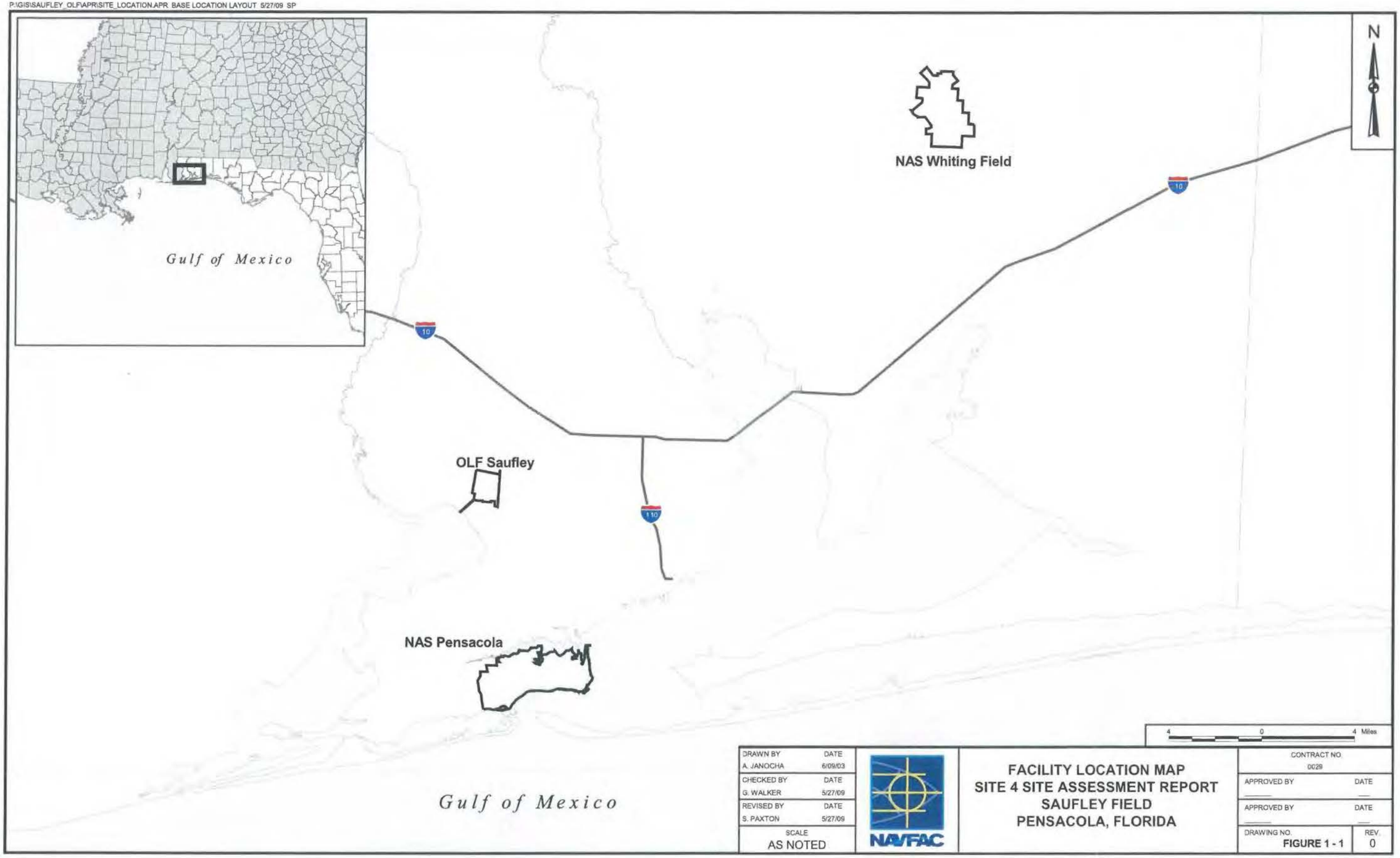
Saufley Field is located in Escambia County, Florida (Figure 1-1). The facility is situated between Interstate 10 and Perdido Bay, approximately 5 miles northwest of Pensacola, Florida. Saufley Field encompasses 866 acres with the majority of the area occupied by support buildings, four inactive runways, several grass covered fields, wooded undeveloped land, and a Federal Prison located in the southeast portion of the site (Figure 1-2). Site 4 is located in the south portion of Saufley Field, and is generally located at or in the immediate vicinity of latitude 30° 27' 55.66" North and 87° 20' 29.44" West, and site elevations range from 66 feet to 81 feet North American Vertical Datum (NAVD).

1.3 SITE DESCRIPTION AND HISTORY

Site 4 consists of Buildings 807, 808, 809, and 810 and the immediately surrounding concrete and grass covered areas (see Figure 1-3). The buildings are located roughly-symmetrically about control tower, Building 803. Based on review of historic aerial photographs, these buildings were initially constructed with concrete pavement surrounding the structures on all sides, with the exception of small grass covered areas surrounded by curbing adjacent to administrative doorways. Therefore, the investigation for spilled fuels, oils, metals, and solvents near the buildings was focused on the locations of gasoline and used oil/solvent tanks and wash racks.

Prior to 1992, environmental investigations involving sampling and analysis of environmental media had not been performed at Site 4. In May 1992, Naval Energy and Environmental Support Activity (NEESA) based in Port Hueneme, California conducted a Preliminary Assessment and submitted a "Preliminary Assessment Report, NETPMSA, Saufley Field, Escambia County, Florida." In this document, NEESA made the following general statements or observations regarding Saufley Field facility:

P:\GIS\SAUFLEY_OLF\APR\SITE_LOCATION.APR BASE LOCATION LAYOUT 5/27/09 SP



DRAWN BY A. JANOCHA	DATE 6/09/03
CHECKED BY G. WALKER	DATE 5/27/09
REVISED BY S. PAXTON	DATE 5/27/09
SCALE AS NOTED	

NAVFAC

FACILITY LOCATION MAP
SITE 4 SITE ASSESSMENT REPORT
SAUFLEY FIELD
PENSACOLA, FLORIDA

CONTRACT NO. 0029	
APPROVED BY _____	DATE ___
APPROVED BY _____	DATE ___
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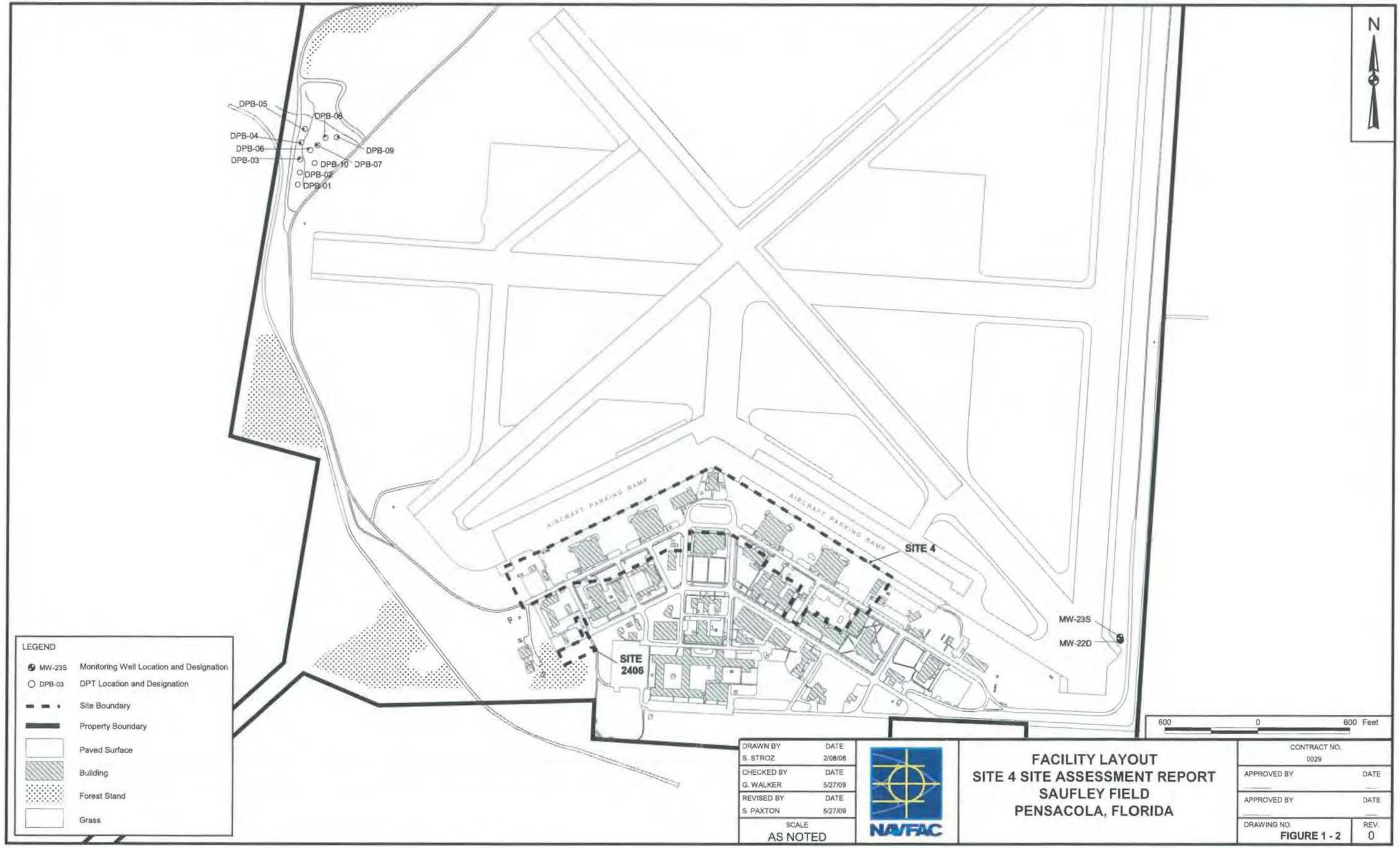
P:\GIS\SAUFLEY_OLF\APR\BASEMAP.APR BACKGROUND SOIL AND DPT LOCATIONS LAYOUT 5/27/09 SP



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808
809
807
810
SPRAGUE ST.
POE STREET
RABY STREET
RABY STREET
SITE 2406
PARKING LOT
N

LEGEND:
SITE BOUNDARY
FEDERAL PRISON BOUNDARY
800 EXISTING STRUCTURE
0 250 500
GRAPHIC SCALE IN FEET

DRAWN BY CK	DATE 2/27/09	SITE MAP SITE 4 SITE ASSESSMENT REPORT SAUFLEY FIELD PENSACOLA, FLORIDA	CONTRACT NO. 0055
CHECKED BY	DATE		
REVISED BY	DATE		APPROVED BY DATE
SCALE AS NOTED			DRAWING NO. FIGURE 1-3 REV. 0

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FORM CADD NO. SDIV-BH.DWG - REV 1 - 9/10/98

- Between 1942 and 1976, solvents, oils, and fuels were used at Saufley Field to support air operations.
- High-octane aviation gasoline (AVGAS) was used more than any other hazardous material.
- Used solvent and used oil comprised a majority of the generated hazardous waste.
- Toluene, carbon tetrachloride, and trichloroethane were a few of the solvents used.
- Exact usage rates of fuels, oils, and solvents at Saufley Field are unknown.
- Fourteen USTs and two aboveground storage tanks (ASTs) were in service from 1942 through 1977.
- Most of the tanks on the base were removed in late 1980.

Observations related specifically to Site 4 are as follows:

- When tanks designated for used oil/solvents were full, the contents were transported off base or burned by the base fire department at the fire fighter training pit (Site 2) located north of the runways.
- Additional USTs associated with Buildings 807 and 810 included two 1,000-gallon kerosene tanks (Tanks 807-C and 819-C) and two 1,000-gallon gasoline tanks (Tanks 807-D and 819-D). The exact locations of the six USTs formerly associated with the buildings are unknown.
- Used oil/solvents were placed in two 2,000-gallon capacity USTs designated Tanks 807-B and 819-B and located at Buildings 807 and 810, respectively.

1.4 SITE ASSESSMENT HISTORY

There were no previous investigations on Site 4. However, a site assessment was conducted at UST Site 2406, located southwest of Site 4 (see Figure 1-2), in April and May 1996 by Naval Air Station (NAS) Pensacola Public Works Center (PWC). A total of 10 monitoring wells (9 shallow and 1 deep) were installed and soil samples were collected from boreholes during the installation of the monitoring wells. NAS Pensacola PWC concluded that excessively contaminated soil (as defined by Florida regulation Chapter 62-770, F.A.C.) existed on site and petroleum constituents were present in the groundwater. The source was not determined, and free-phase product was not present in the shallow water aquifer beneath the site. NAS Pensacola PWC recommended the development of a Remedial Action Plan (RAP) for soil and development of a Monitoring Only Plan (MOP) to address groundwater contamination.

Tetra Tech subsequently conducted extensive assessment activities, as reported in the Site Assessment Report Addendum (SARA) for UST Site 2406 (Tetra Tech, 2003) following the PWC work, and documented the presence of free-phase product in a deeper portion of the surficial aquifer beneath the

site. Based on the SARA recommendations, a RAP for free-phase product recovery was completed and the remedial action contractor has initiated RAP implementation.

The Saufley Landfill, Inc, C&D Disposal Facility administered by Louisiana Investment Group LLC, is located east of Saufley Field. This landfill has been reported to have several management problems and has not complied with FDEP regulations. According to information available in the FDEP website (http://www.dep.state.fl.us), this landfill has a Consent of Final Judgment ordering the landfill management, Louisiana Investment Group LLC, to comply immediately by controlling odors, establishing erosion control measures, paying a civil penalty, and repairing their storm water management system. As of June 16, 2011, the last information available in the FDEP website was Failure to Comply Letter dated October 21, 2008 which orders Louisiana Investment Group LLC to pay stipulated penalties and comply with Paragraph 7 of the Consent Order issued March 28, 2008. The Consent Final Judgment dated March 28, 2008, ordered Louisiana Investment Group LLC to the pay civil penalties and incurred FDEP costs. It also sets forward an access agreement that allows personnel and contractors from FDEP to enter and close the site.

1.5 SUMMARY OF CONTAMINATION

Prior to this investigation, assessment activities had not been conducted at Site 4. Assessment activities at adjacent Site 2406 revealed the presence of petroleum related constituent impacted soil, groundwater, and free-phase petroleum product.

2.0 SUBSURFACE INVESTIGATION METHODS

2.1 OVERVIEW OF ASSESSMENT ACTIVITIES

Soil and groundwater samples were collected to determine if chemicals used in past operations at Saufley Field are present in soils and groundwater at concentrations that represent a risk to human health or the environment or require remediation per regulatory screening guidelines. Soil and groundwater samples were collected and submitted for off-site laboratory analyses and the analytical results were screened against appropriate FDEP screening values. Soil and groundwater sampling, and monitoring well installation were conducted in accordance with applicable FDEP Standard Operating Procedures (SOPs) 001/01.

- The Sampling and Analysis Plan for Site Characterization Study for Installation Restoration Sites 4 and 5 (Tetra Tech, 2005a)
- FDEP Standard Operating Procedures (SOPs) for Field Activities (FDEP, 2008)

Field methodologies used to evaluate soil and groundwater quality at the site and conclusions and recommendations for the path forward are discussed in the remaining sections of this report.

2.2 SURFACE SOIL SAMPLING

Approximately 90 percent of the site is covered with concrete; therefore, surface soil samples were not collected during the SA. During the sampling events reported in this SA, most shallow samples were taken from the 2- to 4-foot vertical interval, which is not considered surface soil.

2.3 SUBSURFACE SOIL SAMPLING

A total of 78 soil borings were advanced to collect subsurface soil samples for laboratory analyses. The soil samples were analyzed using the Contract Laboratory Program (CLP) target compound list (TCL) volatile organic compounds (VOCs) (United States Environmental Protection Agency [USEPA] Method SW-846 8260B), high and low concentration semivolatile organic compounds (SVOCs) (USEPA Method SW-846 8270C and 8270C SIM), total recoverable petroleum hydrocarbons (TRPH) (Florida Petroleum Residual Organic Method [FL-PRO]), TCL pesticides and polychlorinated biphenyls (PCBs) (USEPA Method SW-846 8082), TCL herbicides (USEPA Method 8151) and target analyte list (TAL) metals (USEPA Method SW-846 6010B). All samples were packed in ice and sent to Empirical Laboratories overnight via Federal Express. A description and rationale behind the selection of the soil boring locations are provided as follows.

- As part of the investigation, 30 soil borings were sited around the perimeter of Buildings 807 and 810. At these locations, borings were advanced to a maximum depth of 20 feet below land surface (bls) to investigate locations of potential contamination from former USTs and transmission lines.
- Due to past use, 24 soil borings were advanced to a maximum depth of 55 feet at the former wash rack areas of Buildings 807 and 810 to investigate for potential soil contamination.
- To further investigate potential source areas and to characterize the site, seven additional soil borings were advanced throughout the site to a depth up to 45 feet.
- During the construction of these monitoring wells, seven soil samples collected were co-located with the monitoring wells to further delineate the contaminants.
- Near the western perimeter of the base, 10 soil borings were advanced to a depth of 10 feet to collect samples for comparison of background inorganic analytes.

The soil screening samples were collected from various intervals depending on location, soil cover, depth-to-water, and field measurements. Soil screening samples were collected at each location from ground surface (below any pavement, if present) to the saturated zone of the shallow aquifer. Depth to groundwater at the site ranged from 32 to 57 feet bls.

After coring surface concrete or pavement, the first 4 feet of each soil investigation location were advanced using a hand auger. A DPT rig completed the borings to total depth. DPT samples were taken using 4-foot acetate sleeves. Soil samples were screened in the field for VOCs using an organic vapor analyzer (OVA) equipped with a flame ionization detector (FID). The vadose zone assessment consisted of both visual inspection for petroleum staining and soil vapor screening using the FID. In accordance with the manufacturer's specifications, the FID was field calibrated with 100 parts per million (ppm) methane gases, prior to each day's activities.

Soil vapor screening analyses was performed for the aforementioned sample intervals in general accordance with the headspace screening method described in Chapter 62-770.200(2), F.A.C. In general, the soil vapor screening was conducted by collecting soil from the designated sample interval into two 16-ounce glass soil jars, half-filled with soil sample amount (duplicate samples). The soil jars were then sealed with aluminum foil and the soil samples were allowed to equilibrate. Each sample was screened with a Photovac^{TM} MicroFID OVA by inserting the FID probe through the foil sample cover and recording the highest response. A granular activated carbon filter probe was then attached to the FID and inserted into the headspace above the second (duplicate) sample to document the presence or absence of naturally occurring organic vapors. Upon completion of the screening exercise, the carbon-filtered result was subtracted from the unfiltered result to obtain a net petroleum hydrocarbon vapor value. This field screening method provides a qualitative evaluation of potential organic constituents in soil. Soil

samples for laboratory analysis were collected at the locations where the FID reading indicated a possibility for contamination by VOCs based on FDEP's screening criteria for excessively contaminated soil. Soil boring logs with their respective FID readings are provided in Appendix B, and soil sample data sheets along with a table that summarizes the field screening results are included in Appendix C.

2.4 MONITORING WELL INSTALLATION

A new permanent monitoring well network, including both shallow and deep monitoring wells, was installed during the SA for groundwater sampling. Well installation was conducted in two events. Since previous sampling data did not exist, the geophysical survey and 12 DPT screening point samples were used to guide initial monitoring well locations at areas potentially impacted by petroleum related constituents.

The initial monitoring well installation event was conducted during the months of December 2006 and January 2007. During the first phase, 28 shallow monitoring wells were installed to an approximate depth of 50 feet bls. In addition, eight deep monitoring wells were installed to a depth of at least 75 feet bls. One deep well (OLFS4-MW22D-001) and one shallow well (OLFS4-MW23S-001) were installed on the eastern perimeter of the facility to provide background data for the targeted analytes.

The second phase of monitoring well installation took place in early June 2007. During this phase, 10 additional monitoring wells were installed at total depths ranging from 46 to 65 feet bls to further define and characterize contaminants in groundwater contamination at areas with higher detections. The monitoring well locations and depths were based on analytical results from the previous sampling event conducted in January 2007.

All monitoring wells were installed using sonic drilling methods. The monitoring wells were installed and constructed in accordance with NAVFAC SE and FDEP guidance documents. Well construction details are summarized in Table 2-1, and well construction and development information are presented in Appendix D.

Following installation, the top-of-casing elevations for each well were surveyed using the NAVD of 1988 as a vertical datum, and the North American Datum of 1983 (NAD83) as the horizontal datum.

TABLE 2-1
SUMMARY OF MONITORING WELL CONSTRUCTION DETAILS
SITE 4 SITE ASSESSMENT REPORT
SAUFLEY FIELD
PENSACOLA, FLORIDA

WELL DESIGNATION	INSTALLATION DATE	TOTAL DEPTH (feet below top of casing)	SCREENED INTERVAL (≈ feet bls)	TOP OF CASING ELEVATION (feet msl)
OLFS4-MW01D2	11/29/2006	129.81	125-130	81.44
OLFS4-MW02D	11/29/2006	79.49	75-80	81.85
OLFS4-MW03S	11/30/2006	59.02	40-60	82.27
OLFS4-MW04D	11/30/2006	79.03	75-80	83.41
OLFS4-MW05S	11/30/2006	55.02	40-55	82.86
OLFS4-MW06S	11/30/2006	55.51	40-55	82.59
OLFS4-MW07S	12/1/2006	54.82	40-55	82.97
OLFS4-MW08S	12/1/2006	55.71	40-55	83.35
OLFS4-MW09S	12/1/2006	51.89	37-52	83.22
OLFS4-MW10D	12/1/2006	84.97	80-85	83.30
OLFS4-MW11S	12/2/2006	39.82	25-40	83.50
OLFS4-MW12S	12/2/2006	45.13	25-45	83.50
OLFS4-MW13S	12/2/2006	45.01	25-45	83.22
OLFS4-MW14D	12/3/2006	79.85	75-80	81.49
OLFS4-MW15S	12/3/2006	56.65	40-55	82.71
OLFS4-MW16S	12/3/2006	54.70	40-55	83.24
OLFS4-MW17S	12/3/2006	55.26	35-55	83.45
OLFS4-MW18S	12/4/2006	55.00	40-55	82.84
OLFS4-MW19S	12/4/2006	55.70	40-55	83.03
OLFS4-MW20S	12/4/2006	44.68	30-45	83.31
OLFS4-MW21S	12/5/2006	44.79	30-45	83.41
OLFS4-MW22D	12/5/2006	90.39	86-91	90.06
OLFS4-MW23S	12/5/2006	39.87	20-40	90.20
OLFS4-MW24S	12/6/2006	55.55	40-55	82.42
OLFS4-MW25S	12/7/2006	55.21	40-55	82.52
OLFS4-MW26D	12/7/2006	81.37	76-81	81.98
OLFS4-MW27S	12/6/2006	54.85	40-55	82.33
OLFS4-MW28S	12/13/2006	45.31	30-45	81.72
OLFS4-MW29D	12/13/2006	79.85	75-80	82.21
OLFS4-MW30S	12/13/2006	39.63	25-40	82.51
OLFS4-MW31S	12/13/2006	39.82	25-40	83.14
OLFS4-MW32S	12/14/2006	39.46	25-40	82.55
OLFS4-MW33S	12/14/2006	39.75	25-40	82.71
OLFS4-MW34S	12/14/2006	39.60	25-40	83.27
OLFS4-MW35S	12/14/2006	36.12	25-40	82.39
OLFS4-MW36S	12/14/2006	39.02	25-40	82.52
OLFS4-MW37S	6/4/2007	64.51	55-65	82.50
OLFS4-MW38S	6/4/2007	65.09	55-65	82.02
OLFS4-MW39S	6/5/2007	54.89	45-55	82.91
OLFS4-MW40S	6/5/2007	64.86	55-65	82.95
OLFS4-MW41S	6/5/2007	64.95	55-65	84.01
OLFS4-MW42S	6/6/2007	46.53	36-46	82.09
OLFS4-MW43S	6/6/2007	51.32	41-51	81.37
OLFS4-MW44S	6/6/2007	54.82	45-55	81.42
OLFS4-MW45S	6/7/2007	61.05	51-61	80.81
OLFS4-MW46S	6/7/2007	55.85	46-56	83.36

Notes:
All wells constructed of 2" diameter PVC
PVC - polyvinyl chloride
bls - below land surface
msl - mean sea level
Top of casing elevations in feet above mean sea level
Elevations referenced to North American Vertical Datum
ID - Internal diameter

2.5 GROUNDWATER SAMPLING

During the initial sampling event, groundwater samples were collected from 28 shallow and 8 deep monitoring wells between December 7, 2006 and January 8, 2007. Static water levels and total well depths were measured on January 9, 2007.

A second round of groundwater sampling was conducted following the installation and development of the 10 additional monitoring wells installed in early June 2007. These wells were purged and sampled the week of June 11, 2007 using submersible pumps and low-flow quiescent purging technique in accordance with applicable FDEP SOPs. The monitoring wells were purged in accordance with FDEP SOP FS 2212, Well Purging Techniques (FDEP, 2004).

Groundwater samples were collected from June 12 through June 17, 2007 in accordance with FDEP SOP FS 2220, Groundwater Sampling Techniques (FDEP, 2004). Field measurements of pH, temperature, specific conductance, and dissolved oxygen were recorded using a YSI 556 Water Quality Multimeter and turbidity was measured using a Lamotte 2020 turbidimeter. Stabilization protocol as defined in FDEP SOP FS2200 was met for each parameter prior to sample collection. Static water levels and total depths were measured on June 11, 2007. Water level, equipment calibration, and groundwater sampling records are included in Appendix E.

The groundwater samples collected from monitoring wells during both sampling events were analyzed for CLP TCL VOCs (USEPA Method SW-846 8260B), high and low concentration SVOCs (USEPA Method SW-846 8270C and 8270C SIM), TRPH (FL-PRO and SW-846 Method 8015m), cyanide (USEPA Method SW-846 9012A), ethylene dibromide (EDB) (USEPA Method SW-846 8011), TCL pesticides and PCBs (SW-846 Method 8082), TCL herbicides (USEPA Method 8151), and TAL metals (USEPA Method SW-846 6010B). All samples were packed in ice and sent to Empirical Laboratories overnight via Federal Express.

A third round of groundwater sampling was conducted in June 2010. Ten monitoring wells were chosen to be sampled and were purged using submersible pumps and low-flow quiescent purging technique in accordance with applicable FDEP SOPs. The monitoring wells were purged in accordance with FDEP SOP FS2212, Well Purging Techniques (FDEP, 2008). Groundwater samples were collected from June 8 to June 10, 2010 in accordance with FDEP SOP FS 2220, Groundwater Sampling Techniques (FDEP, 2008). Field measurements of pH, temperature, specific conductance, and dissolved oxygen were recorded using a YSI 556 Water Quality Multimeter and turbidity was measured using a Lamotte 2020 turbidimeter. Stabilization as defined in FDEP SOP FS2220 was met for each parameter prior to sample collection. Water level, equipment calibration, and groundwater sampling records are included in Appendix E.

The groundwater samples collected from four monitoring wells (OLFS4-MW05S, OLFS4-MW30S, OLFS4-MW31S, and OLFS4-MW32S) were analyzed for selected VOCs (benzene, cis-1,2-dichloroethene, ethylbenzene, total xylene, isopropylbenzene) and the SVOC naphthalene using USEPA Methods SW-846 8260B and SW-846 8270C SIM, respectively. All samples were packed in wet ice and sent under chain of custody protocol to Empirical Laboratories overnight via Federal Express.

A fourth round of groundwater sampling was conducted in April 2011. Sixteen monitoring wells were chosen to be sampled and were purged with either a bladder or a Bennett pump using low-flow quiescent purging technique in accordance with applicable FDEP SOPs. The monitoring wells were purged in accordance with FDEP SOP FS2212 Well Purging Techniques (FDEP, 2008). Groundwater samples were collected from April 11 through April 17, 2011 in accordance with FDEP SOP FS2220 Groundwater Sampling Techniques (FDEP, 2008). Field measurements of pH, temperature, specific conductance and dissolved oxygen were recorded using a YSI 556 Water Quality Multimeter and turbidity was measured using a Lamotte 2020 turbidimeter. Stabilization as defined in FDEP SOP FS2220 was met for each parameter prior to sample collection water level, equipment calibration, and groundwater sampling records are included in Appendix E.

The April 2011 groundwater samples were collected from monitoring wells OLFS4-MW03S, OLFS4-MW05S, OLFS4-MW07S, OLFS4-MW08S, OLFS4-MW09S, OLFS4-MW25S, OLFS4-MW27S, OLFS4-MW30S, OLFS4-MW31S, OLFS4-MW32S, OLFS4-MW37S, OLFS4-MW02D, OLFS4-MW04D, OLFS4-MW14D, OLFS4-MW29D, and 2406MW29D and analyzed for VOCs, SVOCs Low Level PAHs, and TRPH using USEPA Methods SW-846 8260B, SW-846 8270D, and FL-PRO respectively. The groundwater sample collected from monitoring well OLFS4-MW46S was analyzed for aluminum, chromium, iron, manganese, and nickel using USEPA Method SW-846 6010C. Groundwater samples collected from monitoring wells OLFS4-MW05S, OLFS4-MW09S, OLFS4-MW30S, OLFS4-MW32S, and OLFS4-MW37S were also analyzed for monitored natural attenuation (MNA) parameters: alkalinity, anions (chloride, nitrate, nitrite, and sulfate), total and dissolved iron and manganese, dissolved sulfide, biological oxygen demand (BOD) and chemical oxygen demand (COD) using USEPA Methods SM2320B, 300.0, SW-846 6010C, SM4500SF, SM5210B, and 410.4. The samples were packed in ice and sent under chain of custody protocol to Empirical Laboratories overnight via Federal Express. The samples to be analyzed for MNA parameters were packed in ice and sent under chain of custody protocol to Microseeps laboratory overnight via Federal Express.

2.6 SAMPLE HANDLING

Sample handling includes the selection of sample containers, preservatives, allowable holding times, sample packaging, shipping, and appropriate sample chain of custody procedures. An outline of the sampling handling items addressed during sampling activities at Site 4 is provided below.

2.6.1 Sample Packaging and Shipping

Samples were packaged and shipped in general accordance with FDEP SOP 001/01 FS1000 and applicable sections of FS2200 and FS3000.

2.6.2 Sample Custody

Custody of samples was maintained and documented at all times. Chain-of-custody began with the collection of the samples in the field. FDEP SOP FS1000 outlines the chain-of-custody procedures followed during sampling activities.

2.7 QUALITY CONTROL SAMPLES

Pre- and post-equipment rinsate blanks, and duplicate blanks, were collected during the soil and groundwater sampling events in accordance to FDEP SOP 001/01 FQ1000: Field Quality Control Requirements. One trip blank sample accompanied each cooler containing VOC samples.

2.8 EQUIPMENT CALIBRATION

Field instruments including the OVA-FID, YSI 556 Water Quality Multimeter, and Lamotte 2020 Turbidimeter were calibrated daily according to FDEP SOP FT1000: General Field Testing and Measurement, and manufacture's specifications. Equipment calibration was documented and copies of the completed Equipment Calibration Log are provided in Appendix E.

2.9 DECONTAMINATION

The equipment used in field sampling activities was decontaminated prior to and during sampling activities in accordance to FDEP SOP FC1000. Non-disposable equipment used for collecting samples was decontaminated prior to beginning field sampling and between sample events.

2.10 INVESTIGATIVE DERIVED WASTE MANAGEMENT

Drill cuttings, purge water, and decontamination water was collected and containerized in Department of Transportation approved (Specification 17C) 55-gallon drums for subsequent disposal by a licensed waste contractor. Waste manifests are maintained in the project folder and may be reviewed upon request.

2.11 AQUIFER TESTING

Aquifer properties tests were not conducted as part of the Site 4 SA because extensive aquifer properties testing has been completed at adjacent Site 2406, located to the south of Building 807. The results of the Site 2406 slug tests have been incorporated into the Site 4 SA and are included in the groundwater discussion presented in Section 3.5.

2.12 BACKGROUND SAMPLES

Ten (10) background soil samples and two background groundwater samples were collected and analyzed for TCL VOCs, TCL SVOCs, TCL PAHs, TCL pesticides, TCL herbicides, TCL PCBs, TRPH, and TAL metals. Concentrations of the targeted analytes in the background samples were used to determine background concentrations for soil and groundwater at Site 4. Details of the results are discussed in Section 4.2.

2.13 DIRECT PUSH SCREENING POINT SAMPLING

At the Buildings 807 and 810 wash rack areas, 12 aqueous samples were collected for accelerated turn around analyses to assist with determining monitoring well locations while the field crew was still mobilized at the site.

2.14 GEOPHYSICAL SURVEY

A geophysical survey was performed in the area surrounding Buildings 807 and 810. The survey included the use of a high resolution metal detector (Geonics EM-61-MK2) and ground penetrating radar (GSSI SIR3000). The objective of the geophysical survey was to investigate for the presence and location of any USTs in the vicinity of Buildings 807 and 810. The investigation included the area east of Building 807 and the area both east and west of Building 810.

Results of the survey are explained in Section 4.3 of this document, and a copy of the geophysical survey report is included in Appendix F.

3.0 SITE CHARACTERIZATION

Data to evaluate site conditions and characteristics were obtained from available literature and previous investigations at the Saufley Field facility.

3.1 SURFACE FEATURES

Saufley Field is located in the southeastern portion of Escambia County, Florida, approximately 1 mile northeast of Perdido Bay. The facility occupies the Coastal Plain Providence of the United States. Terrain surrounding the facility is generally flat, except in stream valleys, sloping gently toward the south. The land surface elevations on Saufley Field range from 75 to 90 feet above mean sea level.

Site 4 lies between Sprague Street and the southern runways (Figure 1-2), on the eastern slope of a low area between Sprague Street and Raby Street and across the street from the entrance to the Officers' Quarters. The area covers approximately 713,000 square feet and the site elevation is approximately 80 feet above mean sea level. Additionally, there is approximately 2 feet of vertical relief across the site. Most of the site (greater than 90 percent) is paved or has buildings located on it. Grass and shrubs cover landscape islands and building lawns.

3.2 SURFACE WATER HYDROLOGY

Saufley Field is bordered on the southwest by Perdido Bay and to the north by Eleven Mile Creek and Eight Mile Creek. Also, Escambia Bay lies approximately 8 miles to the southeast. Swampy areas exist adjacent to the western portion of Saufley Field. However, sandy surface soil in the majority of the area at Saufley Field allows for a high portion of rainfall to infiltrate into the ground, resulting in relatively few streams. However, the land surface at Site 4 is predominantly paved (concrete and asphalt). The land surface topography at Saufley Field has little dissection and the natural drainage system is poorly developed. Much of the surface drainage has been constructed or modified to accommodate structures on base. Base run-off makes its way to Perdido Bay via a man made drainage ditch.

There are two perennial streams located within the bounds of Saufley Field. Eight Mile Creek merges with Eleven Mile Creek in the northwestern portion of the installation. Several small (less than 5 acres) freshwater impoundments, associated with the aforementioned stream system, exist in the northwest portion of the installation.

Site 4 is located within the central portion of the facility on the eastern slope of a shallow closed depression bound by paved roads on all four sides. Therefore, surface water features are not present at the site and overland runoff is to the west towards Perdido River and Perdido Bay.

3.3 GEOLOGY

The surficial geology of the area consists of Pleistocene marine deposits made up of light brown to tan, fine quartz sand with associated stringers and lenses of gravel and clay. Underlying these deposits, increasing with age, are the Citronelle Formation, the Miocene Coarse Clastics, the Pensacola Clay, the Tampa Formation, the Chickasawhay Limestone, the Bucatunna Clay member of the Byram Formation, the Ocala Group, the Lisbon equivalent, the Tallahatta Formation, and the Hatchetigbee Formation. The Pleistocene deposits and Citronelle formation are often impossible to differentiate, and together range in thickness from approximately 30 feet to 800 feet across the county (NEESA, 1983).

Lithology observed during drilling of Site 4 monitoring wells is typical of the undifferentiated Pleistocene marine deposits. Surficial sediments consist of brownish silty sand underlain by silty sand with varying clay content. This horizon typically has a "mottled" appearance with predominantly lighter tan to yellow colored material with darker laminae interspersed throughout. Below the second layer, the lithology was variable depending on location. Subsequent layers were similar to those already penetrated or some combination of the two. Significant clay or gravel horizons were not encountered (Tetra Tech, 2007).

3.4 SOIL

Soil at Saufley Field is mostly of the Bonifay Series, which consists of very deep, well drained soils formed in sandy and loamy marine sediments (USDA, 2004). These types of soil occur on the summits, shoulder slopes, and side slopes in uplands. The soil mapping unit at Site 4 is the Bonifay Loamy Sand with 0 to 5 percent slopes and occurring from 0 to 80 inches in undisturbed areas. Slopes are long and smooth. Typically the surface layer is loamy dark brown sand about three inches thick. The substratum is yellow to reddish brown silty clayey sand with varying amounts of each at a maximum thickness of 80 inches (USDA, 2004).

The soil observed while collecting soil samples at Site 4 are comparable in texture and color to the description of the Bonifay Sand. The ground surface to the 3-foot interval at most of the soil sampling locations beneath concrete showed signs of disturbance, probably from level and fill operations during base construction.

3.5 GROUNDWATER HYDROLOGY

Groundwater in Escambia County occurs in three major aquifers: a shallow surficial aquifer, which is artesian and non-artesian (the sand and gravel aquifer), and two deep artesian aquifers (the upper and lower limestones of the Floridan aquifer). Because the shallow surficial aquifer is partly unconfined and recharged principally by direct infiltration of rain, this aquifer is particularly susceptible to contamination from surface sources (Musgrove, Barraclough, and Grantham, 1965).

3.5.1 Regional Hydrology

In the southern half of Escambia County, the sand and gravel aquifer and the upper limestone of the Floridan aquifer are separated by a thick section of relatively impermeable clay; but in the northern half, the sand and gravel aquifer and the upper limestone of the Floridan aquifer are in contact with one another. The upper limestone of the Floridan aquifer is separated from the lower limestone by a thick clay bed (Musgrove, Barraclough, and Grantham, 1965).

The sand and gravel aquifer is composed of sand with numerous lenses and layers of clay and gravel. The formation also contains lenses of hardpan where the sand has been cemented by iron oxide minerals. This aquifer lies at the surface throughout Escambia County. Borings logs from various locations throughout Saufley Field document that the surficial sands extend from ground surface to a depth of at least 129 feet mean sea level, below which is a 15-feet thick marine clay, the continuity of which is uncertain. Underlying the clay is more sand with numerous clay lenses (Geraghty and Miller, 1986).

Water levels in the shallow aquifer range from 27 feet (near the southeastern perimeter of the facility) to approximately 50 feet bls near the western edge of Site 4. The groundwater flow has historically been toward the Gulf of Mexico and Escambia and Perdido Rivers; however, groundwater flow can vary locally due to the effect of topography or surface water bodies. Also, the aquifer recharge is predominantly from local precipitation (Trapp, 1973).

The shallow saturated permeable beds in the sand and gravel aquifer contain groundwater under non-artesian conditions, while the deeper permeable beds contain groundwater under artesian pressure, where they are confined by lenses of clay and sandy clay (NEESA, 1983).

Below the sand and gravel aquifer, the limestone layers comprise the regionally extensive Floridan aquifer, which in this area is divided into upper and lower units separated by the Bucatunna clay. The upper Floridan aquifer is an important source of water in areas east of Escambia County; however, in the

Pensacola area it is highly mineralized and not used as a water supply. The lower Floridan aquifer is also highly mineralized and is designated for use as an injection zone (Geraghty and Miller, 1986).

3.5.2 Site Specific Hydrology

Hydrogeologic data were collected to evaluate movement of groundwater in the shallow surficial aquifer at Site 4. Depth to groundwater and groundwater elevation were used to determine the site specific groundwater flow direction and water table gradient. Groundwater flow velocity at the site was estimated using the hydraulic conductivity values reported from the field investigation at UST Site 2406, which is located to the south of the western portion of Site 4 on the south side of Sprague Street (Tetra Tech, 2003).

3.5.2.1 Static Water Level and Groundwater Elevations

Static water level measurement data and total depths were first recorded from Site 4 monitoring wells on January 9, 2007, June 11, 2007, June 9, 2010, and April 11, 2011 (Table 3-1). The static water level measurement data and total depth for OLFS4-MW29D was recorded May 25, 2011. The static water level measurement data and the elevations from the well top-of-casings were used to determine groundwater elevations at each well. See Appendix E – Groundwater Level Measurement Sheet.

Monitoring wells installed at Site 4 are grouped by the subsurface interval of the well screen:

- Shallow Wells (S identifier) - Screened up to 75 feet below grade
- Deep Wells (D identifier) - Screened from 75 to 130 feet below grade

On January 9, 2007, the relative groundwater elevations in the shallow monitoring wells ranged from 64.63 feet in monitoring well OLFS4-MW23S on the east side of the site to 34.16 feet in monitoring well OLFS4-MW27S on the west side of the site. Also, the groundwater elevations for deep monitoring wells ranged from 39.60 feet in monitoring well OLFS4-MW29D to 32.66 feet in monitoring well OLFS4-MW01D2.

On June 11, 2007, static water levels were recorded during the second round of water sampling from a total of 46 monitoring wells including 10 additional wells not measured during the first event. The shallow monitoring wells ranged from 63.07 feet in monitoring well OLFS4-MW23S on the east side of the site to 31.68 feet in monitoring well OLFS4-MW37S. Moreover, the groundwater elevations for deep monitoring wells ranged from 37.72 feet in monitoring well OLFS4-MW26D to 30.97 feet in monitoring well OLFS4-MW01D2.

TABLE 3-1
SUMMARY OF STATIC WATER LEVELS AND GROUNDWATER ELEVATIONS
SITE 4 SITE ASSESSMENT REPORT
SAUFLEY FIELD
PENSACOLA, FLORIDA

MONITORING WELL ID	TOTAL DEPTH	AQUIFER ZONE	TOP OF CASING ELEVATION	1/9/2007		6/11/2007		6/9/2010		4/17/2011	
				DEPTH TO WATER	GROUNDWATER ELEVATION	DEPTH TO WATER	GROUNDWATER ELEVATION	DEPTH TO WATER	GROUNDWATER ELEVATION	DEPTH TO WATER	GROUNDWATER ELEVATION
OLFS4-MW01D2	129.81	Deep	81.44	48.78	32.66	50.47	30.97	43.79	37.65	47.81	33.63
OLFS4-MW02D	79.49	Deep	81.85	48.01	33.84	49.58	32.27	42.21	39.64	46.59	35.26
OLFS4-MW03S	59.02	Shallow	82.27	46.19	36.08	46.82	35.45	37.58	44.69	41.91	40.36
OLFS4-MW04D	79.03	Deep	83.41	49.26	34.15	50.78	32.63	43.29	40.12	47.71	35.70
OLFS4-MW05S	55.02	Shallow	82.86	47.51	35.35	48.45	34.41	39.87	42.99	43.93	38.93
OLFS4-MW06S	55.51	Shallow	82.59	45.48	37.11	46.21	36.38	41.42	41.17	44.64	37.95
OLFS4-MW07S	54.82	Shallow	82.97	47.35	35.62	48.25	34.72	39.15	43.82	43.61	39.36
OLFS4-MW08S	55.71	Shallow	83.35	48.57	34.78	49.66	33.69	36.35	47.00	45.27	38.08
OLFS4-MW09S	51.89	Shallow	83.22	47.90	35.32	48.86	34.36	40.35	42.87	44.34	38.88
OLFS4-MW10D	84.97	Deep	83.30	44.28	39.02	46.20	37.10	37.65	45.65	41.75	41.55
OLFS4-MW11S	39.82	Shallow	83.50	32.73	50.77	34.84	48.66	25.54	57.96	29.77	53.73
OLFS4-MW12S	45.13	Shallow	83.50	35.53	47.97	38.02	45.48	26.85	56.65	30.77	52.73
OLFS4-MW13S	45.01	Shallow	83.22	34.18	49.04	36.78	46.44	26.10	57.08	30.11	53.11
OLFS4-MW14D	79.85	Deep	81.49	47.10	34.39	48.70	32.79	41.15	40.34	45.61	35.88
OLFS4-MW15S	56.65	Shallow	82.71	48.10	34.61	49.50	33.21	40.78	41.93	42.83	39.88
OLFS4-MW16S	54.70	Shallow	83.24	48.09	35.15	49.48	33.76	39.60	43.64	41.73	41.51
OLFS4-MW17S	55.26	Shallow	83.45	45.87	37.58	47.15	36.30	33.21	50.24	37.00	46.45
OLFS4-MW18S	55.00	Shallow	82.84	42.42	40.42	43.81	39.03	30.40	52.44	36.04	46.80
OLFS4-MW19S	55.70	Shallow	83.03	47.85	35.18	49.28	33.75	40.53	42.50	43.69	39.34
OLFS4-MW20S	44.68	Shallow	83.31	40.02	43.29	42.74	40.57	28.58	54.73	32.70	50.61
OLFS4-MW21S	44.79	Shallow	83.41	40.69	42.72	43.24	40.17	29.13	54.28	33.22	50.19
OLFS4-MW22D	90.39	Deep	90.06	51.21	38.85	53.55	36.51	NOT FOUND		NOT FOUND	
OLFS4-MW23S	39.87	Shallow	90.20	25.57	64.63	27.13	63.07				
OLFS4-MW24S	55.55	Shallow	82.42	48.24	34.18	49.73	32.69	42.15	40.27	45.05	37.37
OLFS4-MW25S	55.21	Shallow	82.52	46.78	35.74	47.67	34.85	38.65	43.87	43.08	39.44
OLFS4-MW26D	81.37	Deep	81.98	42.44	39.54	44.26	37.72	35.96	46.02	40.59	41.39
OLFS4-MW27S	54.85	Shallow	82.33	48.17	34.16	49.36	32.97	41.37	40.96	44.98	37.35
OLFS4-MW28S	45.31	Shallow	81.72	30.46	51.26	32.82	48.90	23.09	58.63	27.48	54.24
OLFS4-MW29D	79.85	Deep	82.21	42.61	39.60	44.61	37.60	36.41	45.80	40.94	41.27
OLFS4-MW30S	39.63	Shallow	82.51	31.76	50.75	34.14	48.37	22.95	59.56	27.74	54.77
OLFS4-MW31S	39.82	Shallow	83.14	30.96	52.18	33.80	49.34	23.94	59.20	27.10	56.04
OLFS4-MW32S	39.46	Shallow	82.55	30.23	52.32	32.21	50.34	23.54	59.01	26.74	55.81
OLFS4-MW33S	39.75	Shallow	82.71	29.31	53.40	31.84	50.87	22.19	60.52	27.10	55.61
OLFS4-MW34S	39.60	Shallow	83.27	31.41	51.86	34.14	49.13	24.45	58.82	29.68	53.59
OLFS4-MW35S	36.12	Shallow	82.39	29.32	53.07	30.93	51.46	21.42	60.97	27.17	55.22
OLFS4-MW36S	39.02	Shallow	82.52	29.85	52.67	32.44	50.08	23.52	59.00	27.33	55.19
OLFS4-MW37S	64.51	Shallow	82.68			50.84	31.68	NOT ACCESSIBLE		46.60	35.90
OLFS4-MW38S	65.09	Shallow	82.50			48.72	33.80	40.91	46.61	42.93	39.57
OLFS4-MW39S	54.89	Shallow	82.02			46.49	36.03	WELL ABANDONED		WELL ABANDONED	
OLFS4-MW40S	64.86	Shallow	82.91			48.79	33.73	40.56	41.96	43.00	39.91
OLFS4-MW41S	64.95	Shallow	82.95			43.05	39.47	33.16	49.36	38.99	43.96
OLFS4-MW42S	46.53	Shallow	84.01			30.02	52.50	22.65	59.87	29.88	54.13
OLFS4-MW43S	51.32	Shallow	82.09			33.25	49.27	23.65	58.87	27.30	54.79
OLFS4-MW44S	54.82	Shallow	81.37			32.66	49.86	23.05	59.47	25.98	55.39
OLFS4-MW45S	35.11	Shallow	81.42			33.97	48.55	24.92	57.60	28.08	53.33
OLFS4-MW46S	32.87	Shallow	80.81	NOT MEASURED		32.73	49.79	23.27	59.25	26.39	56.97
2406-MW19S	54.33	Shallow	92.55			44.83	37.69			NOT MEASURED	
2406-DMW25	79.73	Deep	83.28			49.41	33.11			46.28	37.00
2406-MW26	64.80	Shallow	92.33			47.62	34.90			NOT MEASURED	
2406-DMW27	65.25	Shallow	91.55			44.39	38.13	WELLS IN THE AREA OF BUILDING 2406 WERE NOT MEASURED		46.26	44.44
2406-DMW28	78.61	Deep	90.70			48.22	34.30			38.12	49.09
2406-DMW29	78.74	Deep	81.68			41.77	40.75			30.73*	42.53
2406-DMW30	79.85	Deep	82.26			42.30	40.22			NOT MEASURED	
2406-MW46	51.93	Shallow	84.01			48.75	35.77			NOT MEASURED	
2406-MW47S	56.44	Shallow	82.98			49.34	33.18			NOT MEASURED	

Notes:
Top-of-casing elevations in feet above mean sea level
Depths in feet below top-of-casing
*=Water level collected 5/25/11

On June 9, 2010, static water levels were recorded and the relative groundwater elevations in the shallow monitoring wells ranged from 60.97 feet in monitoring well OLFS4-MW35S on the east side of the site to 41.17 feet in monitoring well OLFS4-MW06S on the west side of the site. The groundwater elevations for deep monitoring wells ranged from 46.02 feet in monitoring well OLFS4-MW26D on the east side of the site to 37.65 feet in monitoring well OLFS4-MW01D2 on the west side of the site.

On April 11, 2011, static water levels were recorded and the relative groundwater elevations in the shallow monitoring wells ranged from 56.97 feet in monitoring well OLFS4-MW46S on the east side of the site to 35.90 feet in monitoring well OLFS4-MW37S. The groundwater elevations for deep monitoring wells ranged from 41.39 feet in monitoring well OLFS4-MW26D on the east side of the site to 33.63 feet in monitoring well OLFS4-MW01D2 on the west side of the site.

3.5.2.2 Groundwater Flow Direction

The groundwater elevations measured in 2007, 2010, and 2011 from the shallow and deep monitoring wells were plotted on site maps (Figure 3-1 through Figure 3-7) to evaluate the groundwater flow direction for both aquifer zones. Groundwater elevation isocontours were drawn from the plotted data. Groundwater flow direction is predicted to be perpendicular to the elevation isocontours. Interpretation of data from the site gauging events indicates that groundwater flow in both the shallow screened groundwater interval (40 to 75 feet bls) as well as the deep screened groundwater interval (75 to 130 feet bls) is generally toward the northwest.

3.5.2.3 Water Table Gradient

The average horizontal groundwater gradient across Site 4 was calculated from the groundwater elevations measured in shallow monitoring wells and the estimated groundwater flow direction. The groundwater flow gradient was determined using the following equation:

$$I = \frac{h_1 - h_2}{d}$$

where:

I = the hydraulic gradient

h_1 = the water elevation at point 1, the highest value

h_2 = the water elevation at point 2, the lowest value

d = the horizontal distance between point 1 and point 2 parallel to the direction of groundwater flow

ACAD: 0389GM31.dwg 02/27/08 CK PIT

MW18S (40.42)
MW17S (37.58)
MW08S (34.78)
MW09S (35.32)
MW27S (34.16)
MW05S (35.35)
MW25S (35.74)
MW07S (35.62)
MW03S (36.08)
MW06S (37.11)
MW15S (34.61)
MW24S (34.18)
MW16S (35.15)
MW19S (35.18)
MW20S (43.29)
MW21S (42.72)
MW13S (49.04)
MW12S (47.97)
MW11S (50.77)
MW34S (51.86)
MW31S (52.18)
MW30S (50.75)
MW33S (53.40)
MW32S (52.32)
MW28S (51.26)
MW36S (52.67)
MW35S (53.07)

807
808
809
810

SPRAGUE ST
POU STREET
RABY STREET
RABY STREE

SITE 2406

36 38 40 42 44 46 48 50 52

N

LEGEND:

- SHALLOW MONITORING WELL LOCATION AND DESIGNATION
- 50 APPROXIMATE POTENTIOMETRIC SURFACE CONTOUR (DASHED WHERE INFERRED) AND GROUNDWATER ELEVATION (FEET ABOVE MEAN SEA LEVEL)
- INFERRED GROUNDWATER FLOW DIRECTION
- (52.67) GROUNDWATER ELEVATION

0 250 500
GRAPHIC SCALE IN FEET

DRAWN BY CK	DATE 2/27/09
CHECKED BY	DATE
REVISED BY	DATE
SCALE AS NOTED	

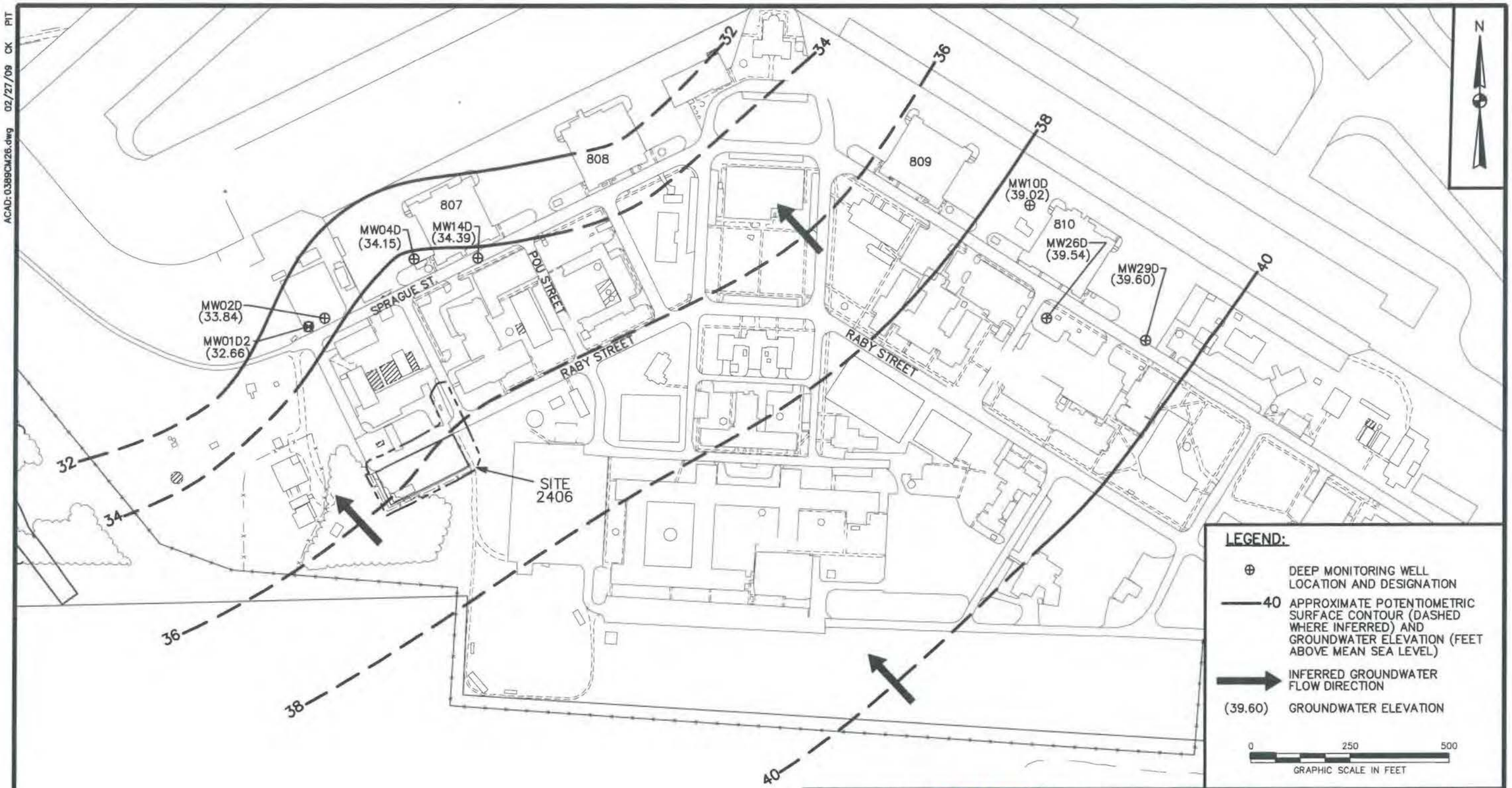
NAVFAC

SHALLOW GROUNDWATER FLOW
JANUARY 9, 2007
SITE 4 SITE ASSESSMENT REPORT
SAUFLEY FIELD
PENSACOLA, FLORIDA

CONTRACT NO. 0029	
APPROVED BY	DATE
DRAWING NO. FIGURE 3-1	REV. 0

FORM CADD NO. SDIV-BH.DWG - REV 1 - 9/10/98

ACAD: 0389CM26.dwg 02/27/09 CK PIT



DRAWN BY CK DATE 2/27/09	NAVFAC	DEEP GROUNDWATER FLOW JANUARY 9, 2007 SITE 4 SITE ASSESSMENT REPORT SAUFLEY FIELD PENSACOLA, FLORIDA	CONTRACT NO. 0029
CHECKED BY DATE			
REVISED BY DATE			APPROVED BY DATE
SCALE AS NOTED			DRAWING NO. FIGURE 3-2 REV. 0

FORM CADD NO. SDIV-BH.DWG - REV 1 - 9/10/98

ACAD: 0389GM33.dwg 02/27/09 CK PIT

MW08S (33.69)
MW09S (34.36)
MW38S (33.80)
MW16S (33.76)
MW40S (33.73)
MW41S (39.47)
MW25S (34.85)
MW19S (33.75)
MW05S (34.41)
MW15S (32.21)
MW27S (32.97)
MW24S (32.69)
MW37S (31.68)
MW18S (39.03)
MW17S (36.30)
MW07S (34.72)
MW39S (36.03)
2406MW47 (33.18)
MW06S (36.38)
MW03S (35.45)
2406MW46 (35.77)
2406MW26 (34.90)
2406MW19 (37.69)
MW20S (40.57)
MW21S (40.17)
MW12S (45.48)
MW13S (46.44)
MW11S (48.66)
MW34S (49.13)
MW30S (48.37)
MW33S (50.87)
MW43S (49.27)
MW31S (49.34)
MW42S (52.50)
MW44S (49.86)
MW28S (48.90)
MW32S (50.34)
MW45S (48.55)
MW36S (50.08)
MW35S (51.46)
MW46S (49.69)

808 807 809 810

SPRAGUE ST
POE STREET
RABY STREET
RABY STREET
SITE 2406

32 34 36 38 40 42 44 46 48 50 52

N

LEGEND:

- MW42S — SHALLOW MONITORING WELL LOCATION AND DESIGNATION
- 52 — APPROXIMATE POTENTIOMETRIC SURFACE CONTOUR (DASHED WHERE INFERRED) AND GROUNDWATER ELEVATION (FEET ABOVE MEAN SEA LEVEL)
- INFERRED GROUNDWATER FLOW DIRECTION
- (50.34) — GROUNDWATER ELEVATION

0 250 500
GRAPHIC SCALE IN FEET

DRAWN BY CK	DATE 2/27/09
CHECKED BY	DATE
REVISED BY	DATE
SCALE AS NOTED	

NAVFAC

SHALLOW GROUNDWATER FLOW
JUNE 11, 2007
SITE 4 SITE ASSESSMENT REPORT
SAUFLEY FIELD
PENSACOLA, FLORIDA

CONTRACT NO. 0029	
APPROVED BY	DATE
DRAWING NO. FIGURE 3-3	REV. 0

FORM CADD NO. SDIV-BH.DWG - REV 1 - 9/10/98

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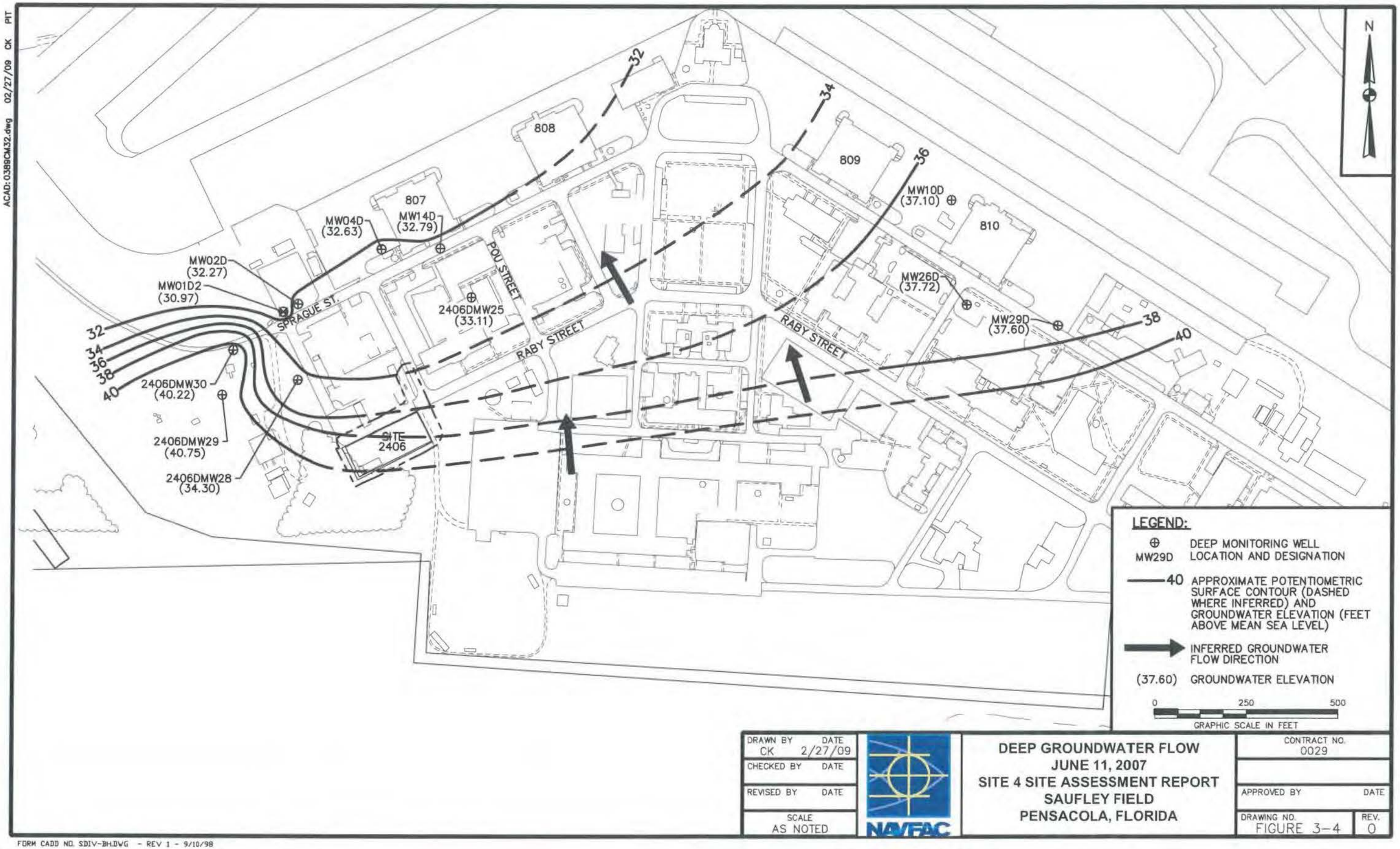

DRAWN BY CK DATE 2/27/09	NAVFAC	DEEP GROUNDWATER FLOW JUNE 11, 2007 SITE 4 SITE ASSESSMENT REPORT SAUFLEY FIELD PENSACOLA, FLORIDA	CONTRACT NO. 0029
CHECKED BY DATE			
REVISED BY DATE			APPROVED BY DATE
SCALE AS NOTED			DRAWING NO. FIGURE 3-4 / REV. 0

FORM CADD NO. SDIV-BH.DWG - REV 1 - 9/10/98

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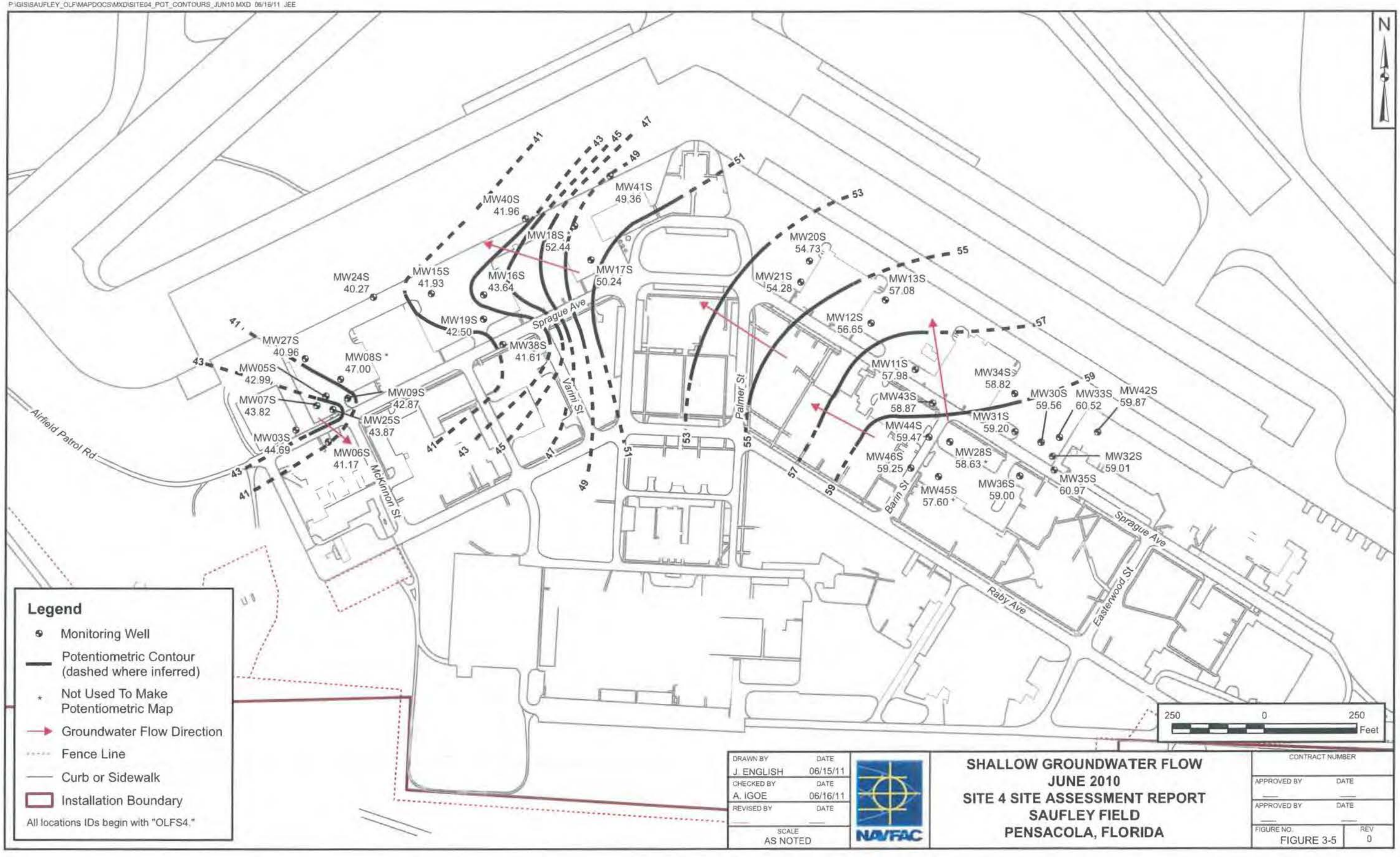


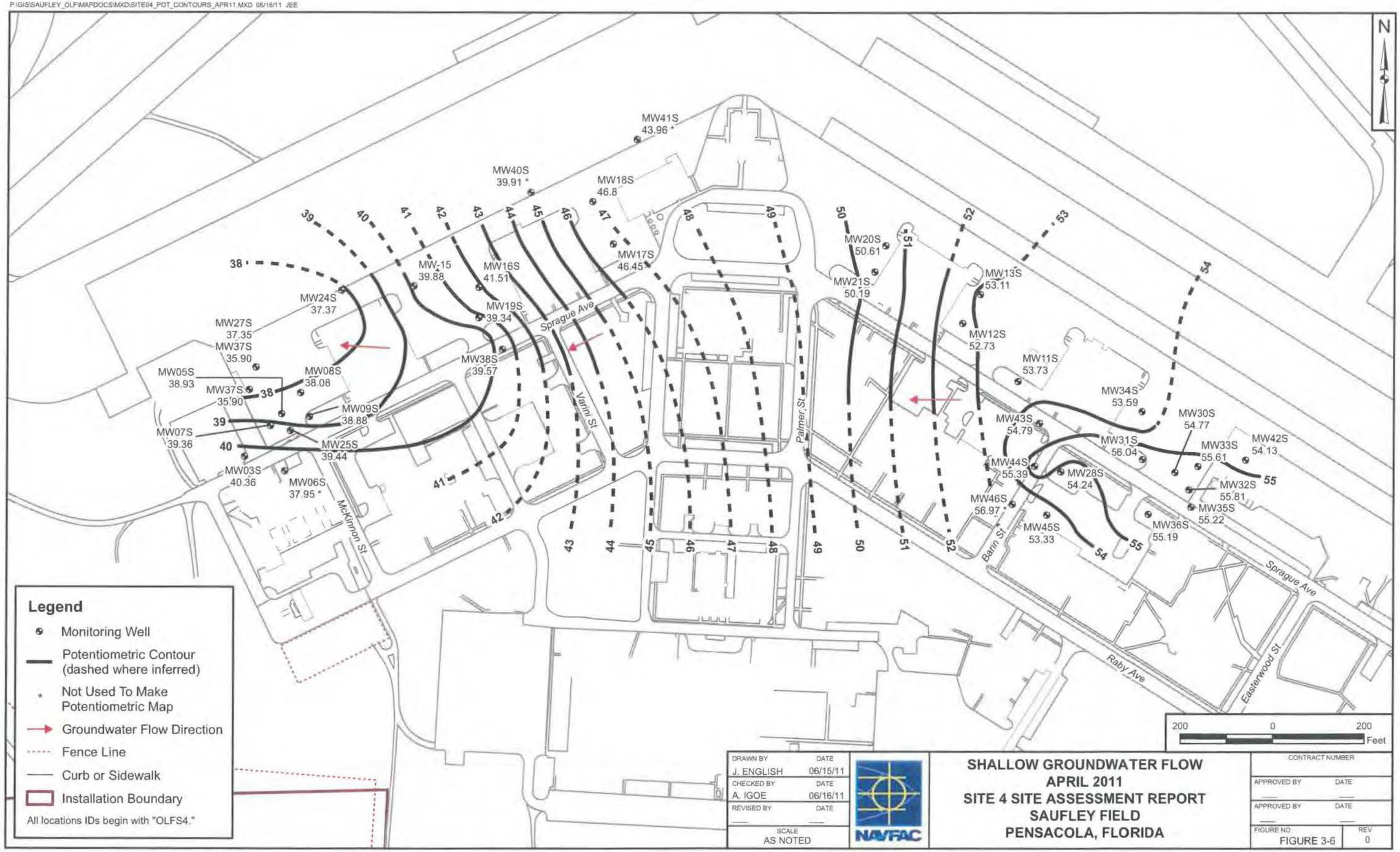
DRAWN BY: J. ENGLISH	DATE: 06/15/11
CHECKED BY: A. IGOE	DATE: 06/16/11
REVISED BY:	DATE:
SCALE: AS NOTED	

NAVFAC

SHALLOW GROUNDWATER FLOW
JUNE 2010
SITE 4 SITE ASSESSMENT REPORT
SAUFLEY FIELD
PENSACOLA, FLORIDA

CONTRACT NUMBER	
APPROVED BY:	DATE:
APPROVED BY:	DATE:
FIGURE NO.: FIGURE 3-5	REV: 0

P:\GIS\SAUFLEY_OLF\MAPDOCS\MXD\SITE04_POT_CONTOURS_APR11.MXD 06/16/11 JEE



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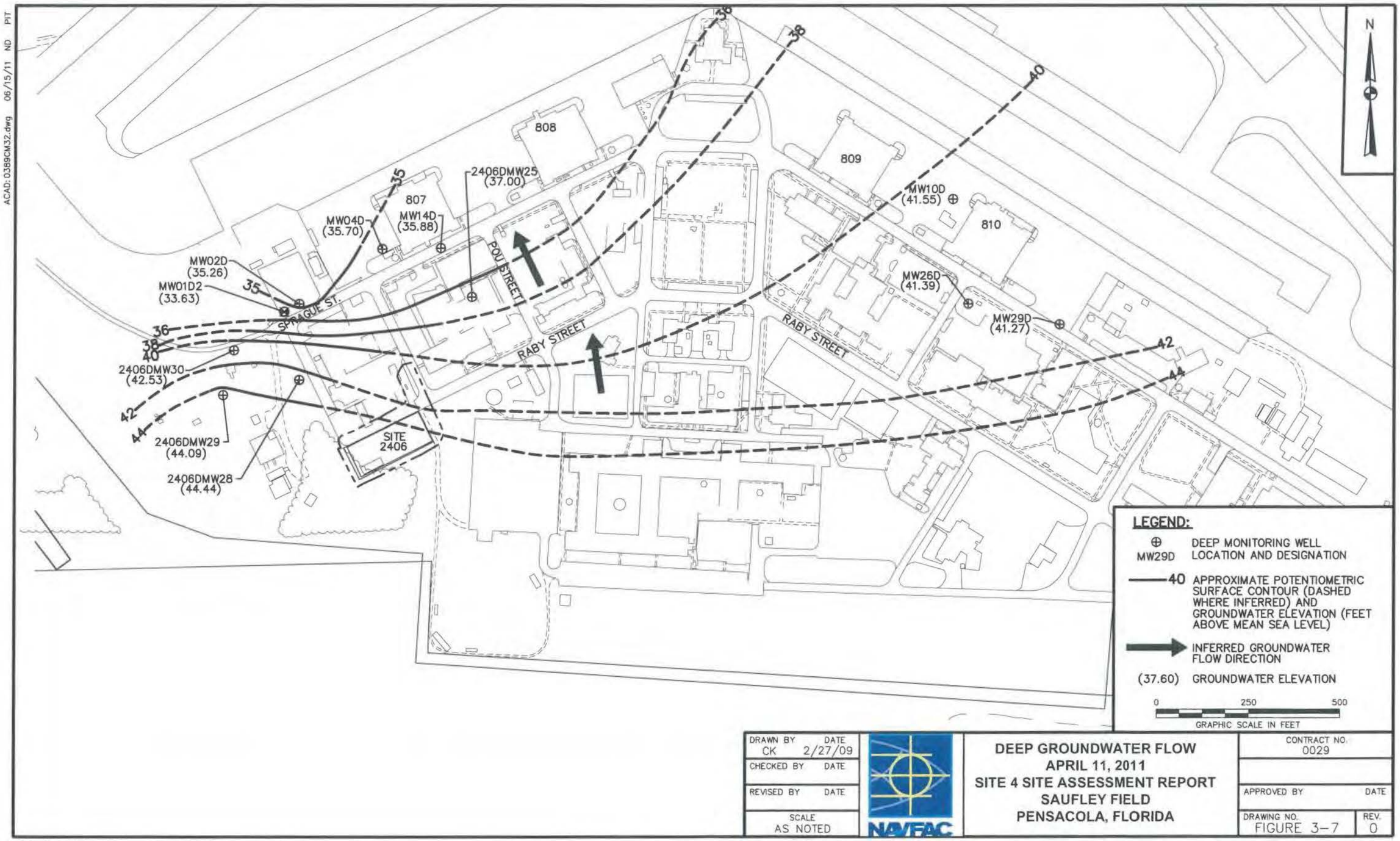


DRAWN BY CK DATE 2/27/09	NAVFAC	DEEP GROUNDWATER FLOW APRIL 11, 2011 SITE 4 SITE ASSESSMENT REPORT SAUFLEY FIELD PENSACOLA, FLORIDA	CONTRACT NO. 0029
CHECKED BY DATE			APPROVED BY DATE
REVISED BY DATE			DRAWING NO. FIGURE 3-7 / REV. 0
SCALE AS NOTED			

FORM CADD NO. SDIV-BH.DWG - REV 1 - 9/10/98

The highest and lowest groundwater elevation values measured in the water table monitoring wells were used to determine the difference in groundwater elevation across the site. The horizontal distance between the high and low groundwater elevation points was measured parallel to the estimated groundwater flow direction.

For example, on January 9, 2007, the highest measured elevation in shallow monitoring well OLFS4-MW23S was 64.63 feet and the lowest measured elevation at monitoring well OLFS4-MW27S was 34.16 feet. The horizontal distance between these two monitoring wells is approximately 3,713 feet. These data result in the average hydraulic gradient of 0.0082 feet per foot for shallow wells. Table 3-2 shows groundwater elevations, the horizontal distance between monitoring wells and the hydraulic gradient for deep and shallow monitoring wells.

TABLE 3-2

AVERAGE HYDRAULIC GRADIENT
SITE 4 SITE ASSESSMENT REPORT
SAUFLEY FIELD
PENSACOLA, FLORIDA

WELL PAIRS	TOTAL HORIZONTAL DISTANCE (feet)	GROUNDWATER ELEVATION (feet)	DATE MEASURED 1/9/2007	DATE MEASURED 6/11/2007	DATE MEASURED 6/10/2010	DATE MEASURED 4//11/2011
OLFS4-MW01D2		32.66				
OLFS4-MW29D	2073.1	39.60				
AVERAGE HYDRAULIC GRADIENT (feet per foot)			**0.003**	-	-	-
OLFS4-MW23S		64.63				
OLFS4-MW27S	3713	34.16				
AVERAGE HYDRAULIC GRADIENT (feet per foot)			**0.008**	-	-	-
OLFS4-MW01D2		30.97				
OLFS4-MW26D	1845	37.72				
AVERAGE HYDRAULIC GRADIENT (feet per foot)				**0.004**	-	-
OLFS4-MW23S		63.07				
OLFS4-MW37S	3725	31.68				
AVERAGE HYDRAULIC GRADIENT (feet per foot)				**0.008**	-	-
OLFS4-MW26D		35.96				
OLFS4-MW01D2	1875	43.79				
AVERAGE HYDRAULIC GRADIENT (feet per foot)					**0.005**	
OLFS4-MW06S		41.17				
OLFS4-MW35S	1875	60.97				
AVERAGE HYDRAULIC GRADIENT (feet per foot)					**0.011**	
OLFS4-MW01D2		33.63				
OLFS4-MW26D	1845	42.39				
AVERAGE HYDRAULIC GRADIENT (feet per foot)						**0.005**
OLFS4-MW46S		35.90				
OLFS4-MW37S	1450	56.97				
AVERAGE HYDRAULIC GRADIENT (feet per foot)						**0.014**

3.5.2.4 Vertical Gradient

The vertical groundwater gradient was calculated from the groundwater elevations measured in the shallow and deep monitoring well pairs installed at the site. The vertical gradient is determined from the difference in groundwater elevation in the adjacent shallow and deep monitoring wells and the vertical separation of the screened intervals of the monitoring wells completed in close proximity to each other.

Four well pairs, each consisting of one deep and one shallow well, were selected for use in vertical gradient calculations at Site 4. Well pairs used in the study include OLFS4-MW02S/OLFS4-MW02D, OLFS4-MW09S/OLFS4-MW04D, OLFS4-MW282S/OLFS4-MW26D and OLFS4-MW32S/OLFS4-MW29D.

Vertical gradient calculations (negative values) indicate a downward vertical gradient at all monitoring well pairs. Results from all four water level measurement events were similar and are presented in Table 3-3. Also included in the table are the monitoring well screen and depth specifications, depth to groundwater, and groundwater elevation used in the vertical gradient calculations. Downward gradients are typically found in aquifer recharge areas. This would be expected at Site 4, which is located on a topographic high.

3.5.2.5 Hydraulic Conductivity

Hydraulic conductivity values were not determined as part of the Site 4 SA. Instead values and data obtained from the site assessment of UST Site 2406 are presented below (Tetra Tech, 2003). UST Site 2406 is located south of the western portion Site 4. The slug test results are summarized in Table 3-4 and additional information, such as the slug test data records, analytical plots, and figures are included in Appendix E. The geometric mean of the hydraulic conductivity values for the shallow wells at the site is approximately 10.08 feet per day or 0.007 feet per minute. The hydraulic conductivity values for the deep well at the site range from 0.102 to 0.1141 feet per minute.

TABLE 3-3
VERTICAL GRADIENT DATA
SITE 4 SITE ASSESSMENT REPORT
SAUFLEY FIELD
PENSACOLA, FLORIDA

				1/9/2007		6/11/2007		6/10/2011		4/11/2011	
WELL PAIRS	APPROXIMATE TOTAL WELL DEPTH	APPROXIMATE SCREENED INTERVAL (feet)	TOP OF CASING ELEVATION	DEPTH TO WATER	GROUNDWATER ELEVATION	DEPTH TO WATER	GROUNDWATER ELEVATION	DEPTH TO WATER	GROUNDWATER ELEVATION	DEPTH TO WATER	GROUNDWATER ELEVATION
OLFS4-MW03S	60	50-60	82.27	46.19	36.08	46.82	35.45	37.58	44.69	41.91	40.36
OLFS4-MW02D	80	75-80	81.85	48.01	33.84	49.58	32.37	42.21	39.64	46.59	35.26
SCREEN SEPARATION (bottom to bottom)		20	VERTICAL GRADIENT		-0.112		-0.154		-0.253		-0.255
OLFS4-MW09S	52	37-52	83.22	47.90	35.32	48.86	34.36	40.35	42.87	44.34	38.88
OLFS4-MW04D	80	75-80	83.41	49.26	34.15	50.78	32.63	43.29	40.12	47.71	35.70
SCREEN SEPARATION (bottom to bottom)		28	VERTICAL GRADIENT		-0.042		-0.062		-0.098		-0.114
OLFS4-MW28S	45	30-45	81.72	30.46	51.26	23.82	48.90	23.09	58.63	27.48	54.24
OLFS4-MW26D	81	76-81	81.98	42.44	39.54	44.26	37.72	35.96	46.02	40.59	41.39
SCREEN SEPARATION (bottom to bottom)		36	VERTICAL GRADIENT		-0.326		-0.311		-0.350		-0.357
OLFS4-MW32S	40	25-40	82.21	30.23	51.98	32.21	50.00	23.54	59.01	26.74	55.81
OLFS4-MW29D	80	75-80	82.55	42.61	39.94	44.61	37.94	36.41	45.80	40.94	41.27
SCREEN SEPARATION (bottom to bottom)		40	VERTICAL GRADIENT		-0.301		-0.302		-0.330		-0.330

Notes:
Elevations are in feet above mean sea level
Depths in feet below top-of-casing
Negative gradients are downward, positive gradients are upward

TABLE 3-4

**SLUG TEST RESULTS FOR UST SITE 2406
SITE 4 SITE ASSESSMENT REPORT
SAUFLEY FIELD
PENSACOLA, FLORIDA**

Well Designation	Screen Length (feet)	Screened Interval (feet)	Water Column (feet)	Calculated Hydraulic Conductivities (feet/min)		
OLFS-2406-DMW30	5	74.5-79.5	41.92	0.01778	0.01635	0.01694
OLFS-2406-DMW31	5	74.5-79.5	50.93	0.003234	0.003258	0.003001
OLFS-2406-DMW32	5	130-135	110.8	0.102	0.1141	0.1032

NOTES:
feet/min = feet per minute
Source: Site Assessment Report Addendum for UST Site 2406

3.5.2.6 Groundwater Flow Velocity

Potential movement of groundwater by natural flow in the saturated zone can be estimated by Darcy's Law, which may be expressed as:

$$V = \frac{K \times I}{\eta}$$

where:

V = average velocity

K = hydraulic conductivity

η = effective porosity

I = average hydraulic gradient

Data from soil borings advanced during the SA indicate that fine grained sand and silty or clayey sand is the typical lithology at the site. Review of field data suggests that a representative effective porosity for this lithology is approximately 20 percent.

Using an average hydraulic conductivity of 10 feet per day, an average hydraulic gradient of 0.009 feet per foot, and an effective porosity value of 20 percent, the estimated average groundwater velocity for the water table zone at Site 4 was calculated at 0.45 feet per day or about 165 feet per year.

3.5.2.7 Potable Water Supply Wells

In 1994, the PWC potable water treatment system at Saufley Field included two active potable water (PW) wells. On May 9, 1994, a water sample from PW04 effluent indicated benzene concentrations of 0.032 milligrams per liter (mg/L), exceeding its Florida drinking water standard of 0.001 mg/L. PW04 was taken off-line and was subsequently placed on quarterly sampling for one year for observation and corrective action to remove the contamination. In April 1996, potable water wells PW03 and PW04 were abandoned in-place. Currently the only source of potable water for Saufley Field is a well field located at the Naval Technical Training Center (NTTC) Corry Station, located approximately 5.5 miles south of the installation.

A potable well survey was conducted using the Florida Department of Health Petroleum Petroleum Surveillance Program (SUPER Act) database. The survey identified 12 potable wells within a 1 mile radius (Figure 3-8).

P:\GIS\SAUFLEY OLF\MXD\SITE02 WELL SURVEY.MXD 04/15/11 TW

Legend

- Potable Water Well

DRAWN BY T. WHEATON	DATE 04/15/11
CHECKED BY A. IGOE	DATE 04/15/11
COST/SCHED AREA	
SCALE AS NOTED	

NAVFAC

POTABLE WATER SUPPLY
WELL SURVEY
SITE 4 SITE ASSESSMENT REPORT
SAUFLEY FIELD
PENSACOLA, FLORIDA

CONTRACT NUMBER CTO JM30	
APPROVED BY —	DATE —
APPROVED BY —	DATE —
Figure 3-8	REV 0

4.0 RESULTS OF INVESTIGATION

The analytical results for soil and groundwater samples collected for this investigation were compared to cleanup target levels (CTLs) established for chemical compounds and inorganics by the FDEP. Analytical summary tables and contaminant concentration maps are presented below. Validation reports for the laboratory analytical results are included in Appendix G.

4.1 CONTAMINANT SOURCES

According to historical uses, visual observations and the results from the samples gathered, the release of contaminants at Site 4 appear to be the result of fuel spills, leaks from solvents or petroleum related substances, and/or routine maintenance activities.

4.2 BACKGROUND CHEMICAL CONCENTRATIONS

Background concentrations of naturally occurring and non-facility related chemical constituents in subsurface soil and groundwater were determined by collecting and analyzing 10 subsurface soil samples and samples from two hydraulically up-gradient monitoring wells, one deep, and one shallow well, located away from any known contaminant source or impacted area on the facility.

The analytical results for background subsurface soil samples (shown in Table 4-1) indicated the target analytes were detected at concentrations less than their Florida Soil Cleanup Target Levels (SCTLs).

Groundwater samples from the designated shallow and deep background monitoring wells (OLFS4-MW23S and OLFS4-MW22D), shown in Table 4-2, contained aluminum, iron, and manganese at concentrations exceeding their Florida CTLs. The groundwater sample from the shallow background well (OLFS4-MW23S-001) contained the highest detected iron concentration of all 46 Site 4 monitoring wells, and had aluminum and manganese at concentrations exceeding their Florida CTLs. The groundwater sample from deep background well (OLFS4-MW22D) contained aluminum and iron at concentrations exceeding their Florida CTLs.

4.3 GEOPHYSICAL SURVEY

At Site 4, a geophysical survey was completed to investigate and locate potential USTs near Buildings 807 and 810. The survey included the area east of Building 807 and the area both east and west of Building 810.

The results of the geophysical survey indicated the presence of low amplitude anomalies detected by a metal detector and the ground penetrating radar. However, the anomalies were not interpreted to represent buried USTs. The geophysical survey results concluded that USTs were not buried in the areas surveyed. The complete geophysical report is presented in Appendix F.

4.4 SOILS AND VADOSE ZONE

To evaluate the nature and extent of contaminants at Site 4, the subsurface soil analytical results were compared to the Florida risk-based SCTLs established in Chapter 62-777, F.A.C. for direct exposure-residential, direct exposure-industrial, and leachability to groundwater.

4.4.1 Surface Soil

Surface soil samples were not collected at Site 4 because of the extensive area covered by buildings or pavement. It has been estimated that, less than 10 percent of the ground surface is exposed in the Site 4 area. The remaining areas are covered by concrete, asphalt and/or buildings. The on-site concrete is up to 10-inches thick in many areas of the site. This, along with the nature and age of the contamination, alleviated the need for surface soil sampling during this investigation.

4.4.2 Subsurface Soil

Subsurface soil samples were collected at 68 locations throughout Site 4. In the perimeter area of Buildings 807 and 810, 30 subsurface soil samples plus two duplicate samples were collected from 30 separate soil borings. Twenty-four (24) subsurface soil samples were collected from individual soil borings from the Buildings 807 and 810 wash rack areas. Additionally, 10 samples were taken from a background location for comparative analysis. The Site 4 sample locations were determined using information from the geophysical survey, technical expertise, and visual site assessments. After coring surface concrete or pavement, the first 4 feet of each soil investigation location were advanced using a hand auger; a DPT rig completed the borings to the total depth. The samples were collected at depths ranging from 2 to 45 feet in intervals of 2 to 4 feet. Some of the sample collection depths were determined based on field FID headspace measurements (which are included in Appendix C). The subsurface soil samples were analyzed for TCL VOCs, TCL SVOCs, TCL PAHs, TCL PCBs, TRPH, TAL metals and cyanide.

Subsurface soil sample analytical results are summarized in Tables 4-3 through 4-7. There were no exceedances detected around Building 807, Figure 4-1 shows the boring locations. The locations of the soil boring exceedances detected near Building 810 and the wash rack area are detailed on Figures 4-2 through 4-4. All soil samples were collected following FDEP SOPs. Soil laboratory data is provided in Appendix H.

TABLE 4-1

SUMMARY OF BACKGROUND SUBSURFACE SOIL CONTAMINANTS
SITE 4 SITE ASSESSMENT REPORT
SAUFLEY FIELD
PENSACOLA, FLORIDA

Sample No. Sample Location Sample Depth (ft bls) Collect Date	FDEP Soil Cleanup Target Levels DE[1] / DE[2] / LE[3] (mg/kg)	OLFS4-DPB01-S10 DPB-01 5-10 9/12/2006	OLFS4-DPB02-S10 DPB-02 5-10 9/12/2006	OLFS4-DPB03-S10 DPB-03 5-10 9/12/2006	OLFS4-DPB04-S10 DPB-04 5-10 9/12/2006	OLFS4-DPB04-S10-D DPB-04 5-10 9/12/2006 (duplicate)	OLFS4-DPB05-S10 DPB-05 5-10 9/12/2006	OLFS4-DPB06-S10 DPB-06 5-10 9/12/2006	OLFS4-DPB07-S10 DPB-07 5-10 9/12/2006	OLFS4-DPB08-S10 DPB-08 5-10 9/12/2006	OLFS4-DPB09-S10 DPB-09 5-10 9/12/2006	OLFS4-DPB10-S10 DPB-10 5-10 9/12/2006
Inorganics (mg/kg)												
Aluminum	80000/*/***	5270	3890	2760	2560	2440	3800	4060	2620	6730	10400	5200
Arsenic	2.1/12/***	**0.81**	**0.52**	**0.46**	0.38	0.34	**0.55**	**0.63**	0.32	**1.1**	**1.2**	**0.86**
Barium	120/130000/1600	6.5	5.3	3.6	3.8	3.4	5.4	7	4.9	7.6	10.7	8.1
Calcium	NC	54.8 U	75.1	52.1 U	50.3 U	51 U	53.4 U	52.6 U	51.3 U	90	149	86.3
Cobalt	1700/42000/***	0.32	0.33	0.25 U	0.26 U	0.25 U	0.29	0.35	0.26 U	0.31	0.39	0.61
Chromium (total)	210/470/38	6.3	3.2	2.1	1.9	1.9	2.7	2.9	2.3	6	8.2	3.9
Copper	150/89000/***	2.5	1.7	1.2	0.87	0.87	1.5	1.5	0.95	2.1	3.8	1.9
Iron	53000/*/***	3670	2280	1660	1460	1400	2080	2320	1430	3680	4930	3100
Potassium	NC	99.5	79.3 J	52.1 U	50.3 U	51 U	73.9 J	96.9 J	63.1 J	108 J	161 J	115 J
Magnesium	NC	135	105	66.2	64	58.1	93.9	126	80.6	140	206	148
Manganese	3500/43000/***	12.2	13.7	13.8	15.7	15.7	17	20.7	12.1	33.1	16.7	29
Nickel	340/35000/130	2.2	1.2	0.78	0.84	0.69	1.2	1.6	1	1.6	2.4	1.9
Selenium	440/11000/5.2	0.27 U	0.27 U	0.26 U	0.25 U	0.26 U	0.27 U	0.26 U	0.26 U	0.27 U	0.26 U	0.25 U
Sodium	NC	54.8 U	53.7 U	52.1 U	50.3 U	51 U	53.4 U	52.6 U	51.3 U	54.9 U	52.9 U	50 U
Lead	400/1400/***	1.9	1.5	1.2	1.2	1.2	1.5	1.8	1.3	2.4	3.5	2.1
Vanadium	67/10000/980	7.2	5.2	3.8	3.5	3.4	4.9	5.4	3.5	9.2	12.8	7.3
Zinc	26000/630000/***	8.2	3.7	2.7	3.2	3	3.4	4	2.4	4.5	6.8	4.7
Mercury	3/17/2.1	0.13 U	0.13 U	0.14 U	0.13 U	0.12 U	0.13 U	0.13 U	0.14 U	0.15 U	0.013	0.13 U

Notes:

[1] Direct Exposure Residential Limit from Chapter 62-777, FAC
[2] Direct Exposure Industrial Limit from Chapter 62-777, FAC
[3] Leachability Limit based on Groundwater from Chapter 62-777, FAC
Bold indicates an exceedance of regulatory limits.
* = Contaminant is not a health concern for this exposure scenario
*** = Leachability values may be derived using SPLP test to calculate site-specific SCTLs
ft bls = feet below land surface
mg/kg = milligrams per kilogram
FAC = Florida Administrative Code
FDEP = Florida Department of Environmental Protection
J = Indicates analyte detected at an estimated concentration
NC = No Criteria have been established for this parameter
SPLP = Synthetic precipitation leaching procedure
Background concentration derived by multiplying the mean of all background sample concentrations by 2.

TABLE 4-2

SUMMARY OF BACKGROUND GROUNDWATER CONTAMINANTS
SITE 4 SITE ASSESSMENT REPORT
OUTLYING LANDING FIELD SAUFLEY
PENSACOLA, FLORIDA

Sample No. Sample Location Collect Date	OLFS4-MW22D-001 MW-22-D 12/19/2006 (BACKGROUND)	OLFS4-MW23S-001 MW-23-S 12/19/2006 (BACKGROUND)
Volatile Organic Compounds (µg/L)		
Acetone	1.1 U	8.4 U
Benzene	0.11 U	0.21 J
Bromoform	0.24 U	0.24 U
Bromodichloromethane	0.24 U	0.24 U
2-Butanone	1.2 U	1.2 U
Carbon Disulfide	0.13 U	0.13 U
Chloroform	0.3 U	0.3 U
Chloromethane	0.4 U	0.4 U
Cyclohexane	0.18 U	0.18 U
Dibromochloromethane	0.08 U	0.08 U
1,1 Dichloroethane	0.15 U	0.15 U
cis 1,2 Dichloroethene	0.44 U	0.44 U
trans 1,2 Dichloroethene	0.4 U	0.4 U
Ethylbenzene	0.14 U	0.14 U
Isopropylbenzene	0.25 U	0.33 J
Methyl cyclohexane	0.2 U	0.2 U
Trichlorofluoromethane	0.15 U	0.15 U
Tetrachloroethene	0.14 U	0.14 U
Toluene	0.18 U	0.18 U
Vinyl Chloride	0.19 U	0.19 U
Total Xylenes	0.21 U	0.21 U
Semivolatile Organic Compounds (µg/L)		
Acenaphthene	0.01 U	0.4
Acenaphthylene	0.0088 U	0.009 U
Benzo (a) Anthracene	0.011 U	0.011 U
Benzo (b) Fluoranthene	0.017 U	0.017 U
Benzo (k) Fluoranthene	0.014 U	0.014 U
Benzo (a) Pyrene	0.0099 U	0.01 U
Bis(2-ethylhexyl)phthalate	1 U	1.1 U
1,1 Biphenyl	1 U	1.1 U
Butylbenzylphthalate	1 U	1.1 U
Caprolactam	1.5 J	2.7 J
Chrysene	0.0094 U	0.0096 U
Di-n-butylphthalate	1 U	1.1 U
Fluoranthene	0.012 U	0.012 U
Fluorene	0.013 U	0.15
2-Methlynaphthalene	0.017 U	0.017 U
1-Methlynaphthalene	0.01 U	0.035 J
Naphthalene	0.02 U	0.02 U
Phenanthrene	0.014 U	0.015 U
Pyrene	0.011 U	0.011 U

TABLE 4-2

SUMMARY OF BACKGROUND GROUNDWATER CONTAMINANTS
SITE 4 SITE ASSESSMENT REPORT
OUTLYING LANDING FIELD SAUFLEY
PENSACOLA, FLORIDA

Sample No. Sample Location Collect Date	OLFS4-MW22D-001 MW-22-D 12/19/2006 (BACKGROUND)	OLFS4-MW23S-001 MW-23-S 12/19/2006 (BACKGROUND)
Total Recoverable Petroleum Hydrocarbons (µg/L)		
TPH (C_8 - C_{40})	180 U	550
Inorganics (µg/L)		
Aluminum	**342**	**712**
Arsenic	3 U	3.9
Barium	23.2	316
Calcium	1000 U	181000
Cobalt	5 U	5 U
Chromium (total)	9.7	16.2
Copper	5 U	5 U
Iron	**379**	**34500**
Potassium	1000 U	35600
Magnesium	1000 U	17100
Manganese	12.8	**2790**
Selenium	5 U	5 U
Silver	1 U	1 U
Sodium	3380	31900
Nickel	8.4	12.3
Lead	1.5 U	9.1
Thallium	0.75 U	0.75 U
Vanadium	5 U	5 U
Zinc	10 U	10.7
Mercury	0.08 U, J	0.08 U, J

Notes:
Bold indicates an exceedance of regulatory limits
U = Analyte not detected above laboratory Method Detection Limit (MDL)
J = Compound was detected at an estimated concentration
µg/L = micrograms per liter

TABLE 4-3

SUMMARY OF SUBSURFACE SOIL CONTAMINANTS (DP-1 - DP-30)
PERIMETERS BUILDINGS 807 AND 810
SITE 4 SITE ASSESSMENT REPORT
OUTLYING LANDING FIELD SAUFLEY
PENSACOLA, FLORIDA

Sample No. Sample Location Sample Depth (ft bls) Collect Date	FDEP Soil Cleanup Target Levels DE[1] / DE[2] / LE[3]	OLFS4-DP01-S20 DP-01 18-20 9/6/2006	OLFS4-DP02-S20 DP-02 18-20 9/6/2006	OLFS4-DP03-S20 DP-03 18-20 9/6/2006	OLFS4-DP04-S20 DP-04 18-20 9/6/2006	OLFS4-DP05-S20 DP-05 18-20 9/6/2006	OLFS4-DP06-S20 DP-06 18-20 9/6/2006	OLFS4-DP07-S20 DP-07 18-20 9/7/2006	OLFS4-DP08-S20 DP-08 18-20 9/7/2006	OLFS4-DP09-S20 DP-09 18-20 9/7/2006	OLFS4-DP10-S20 DP-10 18-20 9/7/2006	OLFS4-DP11-S120 DP-11 18-20 9/7/2006
TRPH (mg/kg)	460/2700/340	11 U	11 U	11 U	10 U	11 U	12 J	11 U	11 U	11 U	10 U	10 U
Inorganics (mg/kg)												
Arsenic	2.1/12/***	NA	NA	NA	NA	NA	NA	NA	2	**3.2**	2	NA
Cadmium	82/1700/7.5	NA	NA	NA	NA	NA	NA	NA	0.054 U	0.056 U	0.053 U	NA
Chromium (total)	210/470/38	NA	NA	NA	NA	NA	NA	NA	13.4	21.6	12.2	NA
Lead	400/1400/***	NA	NA	NA	NA	NA	NA	NA	3	3.8	2.6	NA

Sample No. Sample Location Sample Depth (ft bls) Collect Date	FDEP Soil Cleanup Target Levels DE[1] / DE[2] / LE[3]	OLFS4-DP12-S20 DP-12 18-20 9/7/2006	OLFS4-DP13-S20 DP-13 18-20 9/7/2006	OLFS4-DP14-S20 DP-14 18-20 9/8/2006	OLFS4-DP15-S20 DP-15 18-20 9/8/2006	OLFS4-DP16-S6 DP-16 4-6 9/6/2006	OLFS4-DP17-S10 DP-17 8-10 9/6/2006	OLFS4-DP18-S6 DP-18 4-6 9/6/2006	OLFS4-DP19-S12 DP-19 10-12 9/6/2006	OLFS4-DP20-S10 DP-20 8-10 9/7/2006	OLFS4-DP21-S10 DP-21 8-10 9/7/2006	OLFS4-DP22-S18 DP-22 16-18 9/7/2006
TRPH (mg/kg)	460/2700/340	11 U	11 U, J	11 U, J	11 U, J	12 J	11 U	10 U	10 U	10 U	10 U	10 U
Inorganics (mg/kg)												
Arsenic	2.1/12/***	**3.7**	NA	**2.4**	NA	NA	NA	NA	NA	NA	NA	1.2
Cadmium	82/1700/7.5	0.05 U	NA	0.047 U	NA	NA	NA	NA	NA	NA	NA	0.053 U
Chromium (total)	210/470/38	25.3	NA	12.7	NA	NA	NA	NA	NA	NA	NA	7
Lead	400/1400/***	4.3	NA	3.2	NA	NA	NA	NA	NA	NA	NA	1.4

Sample No. Sample Location Sample Depth (ft bls) Collect Date	FDEP Soil Cleanup Target Levels DE[1] / DE[2] / LE[3]	OLFS4-DP23-S8 DP-23 6-8 9/7/2006	OLFS4-DP24-S8 DP-24 6-8 9/7/2006	OLFS4-DP25-S10 DP-25 8-10 9/8/2006	OLFS4-DP26-S6 DP-26 4-6 9/8/2006	OLFS4-DP27-S4 DP-27 2-4 9/9/2006	OLFS4-DP27-S4-D DP-27 2-4 9/9/2006 (duplicate sample)	OLFS4-DP28-S8 DP-28 2-4 9/8/2006	OLFS4-DP29-S4 DP-29 2-4 9/8/2006	OLFS4-DP29-S4-D DP-29 2-4 9/9/2006 (duplicate sample)	OLFS4-DP30-S8 DP-30 6-8 9/8/2006
TRPH (mg/kg)	460/2700/340	11 U	10 U	12 U, J	10 U, J	12 J	10 U, J	10 U, J	10 U, J	11 J	10 U, J
Inorganics (mg/kg)											
Arsenic	2.1/12/***	NA	1.3	NA	NA	0.72	0.62	NA	1.8	1.5	1.2
Cadmium	82/1700/7.5	NA	0.054 U	NA	NA	0.054 U	0.049 U	NA	0.051 U	0.053 U	0.051 U
Chromium (total)	210/470/38	NA	5.6	NA	NA	3.7	3.6	NA	7.6	6.6	4.8
Lead	400/1400/***	NA	2.6	NA	NA	5.2	4.7	NA	3	2.9	2.6

Notes

[1] Direct Exposure Residential Limit from Chapter 62-777, FAC
[2] Direct Exposure Industrial Limit from Chapter 62-777, FAC
[3] Leachability Limit based on Groundwater from Chapter 62-777, FAC
TRPH = Total Recoverable Petroleum Hydrocarbons
Bold indicates an exceedance of regulatory limits
*** = Leachability values may be derived using SPLP test to calculate site-specific SCTLs
ft bls = feet below land surface
mg/kg = milligrams per kilogram
FAC = Florida Administrative Code
FDEP = Florida Department of Environmental Protection
J = Indicates Analyted detected at an estimated concentration
NA = Sample not analyzed for this parameter
SPLP = Synthetic precipitation leaching procedure
U = Analyte not detected above laboratory Method Detection Limit (MDL)

TABLE 4-4

SUMMARY OF SUBSURFACE SOIL CONTAMINANTS (DPW-01 to DPW-12)
BUILDINGS 807 AND 810 WASH RACK AREAS
SITE 4 SITE ASSESSMENT REPORT
SAUFLEY FIELD
PENSACOLA, FLORIDA

Sample No. Sample Location Sample Depth (ft bls) Collect Date	FDEP Soil Cleanup Target Levels DE[1] / DE[2] / LE[3]	OLFS4-DPW01-S45 DPW-01 43-45 9/8/2006	OLFS4-DPW02-S10 DPW-02 8-10 9/12/2006	OLFS4-DPW03-S10 DPW-03 8-10 9/12/2006	OLFS4-DPW04-S10 DPW-04 8-10 9/12/2006	OLFS4-DPW05-S10 DPW-05 8-10 9/12/2006	OLFS4-DPW06-S10 DPW-06 8-10 9/12/2006	OLFS4-DPW07-S45 DPW-07 43-45 9/11/2006	OLFS4-DPW08-S10 DPW-08 8-10 9/12/2006	OLFS4-DPW09-S10 DPW-09 8-10 9/12/2006	OLFS4-DPW10-S45 DPW-10 43-45 9/11/2006	OLFS4-DPW11-S45 DPW-11 43-45 9/11/2006	OLFS4-DPW12-S45 DPW-12 43-45 9/11/2006
Volatile Organic Compounds (mg/kg)													
Acetone	11000/68000/25	0.0024 J	0.002 U	0.002 U	0.0018 U	0.0023 U	0.0021 U	0.0022 U, J	0.002 U	0.002 U	0.0023 U, J	0.0043 J	0.0022 U, J
Methylene Chloride	17/26/.02	0.00062 U	0.00061 U	0.00064 U	0.00057 U	0.00072 U	0.00065 U	0.00069 U	0.00062 U	0.0006 U	0.00071 U	0.00064 U	0.00068 U
Semivolatile Organic Compounds (mg/kg)													
2-Methylnaphthalene	210/2100/8.5	0.022 U	0.045 U	0.041 U	0.041 U	0.049 U	0.041 U	0.047 U	0.041 U	0.042 U	0.045 U	0.043 U	0.044 U
Fluorene	2600/33000/160	0.022 U	0.045 U	0.041 U	0.041 U	0.049 U	0.041 U	0.047 U	0.041 U	0.042 U	0.045 U	0.043 U	0.044 U
Naphthalene	55/300/1.2	0.022 U	0.045 U	0.041 U	0.041 U	0.049 U	0.041 U	0.047 U	0.041 U	0.042 U	0.045 U	0.043 U	0.044 U
TRPH (mg/kg)	460/2700/340	12 J	11 U	11 U	10 U	12 U, J	10 U, J	12 U, J	11 U, J	11 U, J	12 U, J	11 U, J	12 U, J
PCBs (mg/kg)													
Aroclor 1260	0.5/2.6/17	0.0045 U, J	0.0046 U	0.0044 U	0.0043 U	0.0051 U	0.0044 U	0.0049 U, J	0.0043 U	0.0044 U	0.0048 U, J	0.0043 U, J	0.0048 U, J
Inorganics (mg/kg)													
Aluminum	80000/*/***	3800	18800	9160	11800	12700	5740	1640	16300	11500	1440	1380	1270
Arsenic	2.1/12/***	0.93	**2.9**	1.4	1.9	2	0.9	**2.9**	**2.5**	1.7	1.8	0.66	0.8
Barium	120/130000/1600	6.9	7.8	4.6	6.5	4.9	4.9	2	7.4	5.9	1.5	1.2	1.3
Calcium	NC	101	611	226	190	291	126	61.1 U	136	115	58 U	56.4 U	58.7
Cobalt	1700/42000/***	0.28 U	0.28	0.29	0.35	0.31 U	0.3	0.31 U	0.32	0.28	0.29 U	0.28 U	0.27 U
Chromium (total)	210/470/38	4.7	13	7.6	8.3	8.9	4.3	4.7	11.5	8.8	3.7	2.5	2.4
Copper	150/89000/***	1.7	5.5	2.9	3.6	3.8	2.2	1	5	3.9	1	0.71	0.93
Iron	53000/*/***	2960	10300	5270	6700	7070	3450	3090	9120	6590	2410	857	942
Potassium	NC	215	123 J	72 J	101 J	76.9 J	81.5 J	61.1 U	109 J	95.1	58 U	56.4 U	53.1 U
Magnesium	NC	131	157	92.5	123	108	97	61.1 U	141	120	58 U	56.4 U	53.1 U
Manganese	3500/43000/***	6	22.6	16.7	18	19.4	16.3	1.3	18.9	15	1.3	1	1.2
Sodium	NC	55.8 U	54.2 U	54 U	51.9 U	61.1 U	52.4 U	61.1 U	52.8 U	53.3 U	58 U	56.4 U	1090
Nickel	340/35000/130	1.4	2.3	1.4	1.8	1.5	1.3	0.31 U	2.1	1.5	0.29 U	0.28 U	0.27 U
Lead	400/1400/***	2.7	3.5	2	2.6	2.5	1.6	2.3	3.2	2.4	1.9	1.3	1.5
Vanadium	67/10000/980	6.7	24.9	12.4	15.8	16.7	8	10.9	21.7	15.9	9.1	4.6	5.3
Zinc	26000/630000/***	7.6	6.7	4.4	5.1	4.9	3.8	0.61 U	6.5	4.9	0.87	0.79	0.54
Mercury	3/17/2.1	0.15 U	0.15 U	0.14 U	0.13 U	0.16 U	0.14 U	0.16 U	0.12 U	0.14 U	0.15 U	0.13 U	0.12 U

[1] Direct Exposure Residential Limit from Chapter 62-777, FAC
[2] Direct Exposure Industrial Limit from Chapter 62-777, FAC
[3] Leachability limit based on Groundwater from Chapter 62-777, FAC.
TRPH = Total Recoverable Petroleum Hydrocarbons
PCBs = Polychlorinated Biphenyls

Notes: **Bold** indicates an exceedance of regulatory limits.
* = Contaminant is not a health concern for this exposure scenario
***=Leachability values may be derived using SPLP to calulate site-specific SCTLS
SPLP=synthetic precipitation leachate procedure
ft bls = feet below land surface
mg/kg = milligrams per kilogram
FAC = Florida Administrative Code
FDEP = Florida Department of Environmental Protection

J = Indicates analyte detected at an estimated concentration
NC = No criteria have been established for this parameter
U = Analyte not detected above laboratory Method Detection Limit (MDL)
SCTL = Soil Cleanup Target Level

TABLE 4-5

SUMMARY OF SUBSURFACE SOIL CONTAMINANTS (DPW-13 to DPW-24)
BUILDINGS 807 AND 810 WASH RACK AREAS
SITE 4 SITE ASSESSMENT REPORT
SAUFLEY FIELD
PENSACOLA, FLORIDA

Sample No. Sample Location Sample Depth (ft bls) Collect Date	FDEP Soil Cleanup Target Levels DE[1] / DE[2] / LE[3]	OLFS4-DPW13-S4 DPW-13 2-4 9/11/2006	OLFS4-DPW14-S6 DPW-14 2-4 9/11/2006	OLFS4-DPW15-S4 DPW-15 2-4 9/11/2006	OLFS4-DPW16-S4 DPW-16 2-4 9/11/2006	OLFS4-DPW17-S12 DPW-17 10-12 9/11/2006	OLFS4-DPW18-S12 DPW-18 10-12 9/12/2006	OLFS4-DPW19-S12 DPW-19 10-12 9/12/2006	OLFS4-DPW20-S12 DPW-20 10-12 9/12/2006	OLFS4-DPW21-S12 DPW-21 10-12 9/12/2006	OLFS4-DPW22-S26 DPW-22 24-26 9/11/2006	OLFS4-DPW23-S26 DPW-23 24-26 9/12/2006	OLFS4-DPW24-S26 DPW-24 24-26 9/12/2006
Volatile Organic Compounds (mg/kg)													
Acetone	11000/68000/25	0.0019 U, J	0.002 U	0.098 U, J	0.100 U	0.002 U, J	0.002 U	0.0019 U	0.002 U	0.0021 U	0.0022 U, J	0.0021 U	0.002 U
Methylene Chloride	17/26/.02	0.0006 U	0.00062 U	0.03 U	**0.270 J**	0.00061 U	0.00062 U	0.00059 U	0.00061 U	0.00064 U	0.00067 U	0.00064 U	0.00061 U
Semivolatile Organic Compounds (mg/kg)													
2-Methylnaphthalene	210/2100/8.5	0.043 U	0.042 U	1.4	0.042 U	0.041 U	0.043 U	0.042 U	0.043 U	0.046 U	0.042 U	0.040 U	0.041 U
Fluorene	2600/33000/160	0.043 U	0.042 U	0.078 J	0.042 U	0.041 U	0.043 U	0.042 U	0.043 U	0.046 U	0.042 U	0.040 U	0.041 U
Naphthalene	55/300/1.2	0.043 U	0.042 U	0.350 J	0.042 U	0.041 U	0.043 U	0.042 U	0.043 U	0.046 U	0.042 U	0.040 U	0.041 U
TRPH (mg/kg)	460/2700/340	11 U	10 U	**510**	36	10 U	11 U	11 U	17 J	12 U	10 U, J	10 U	11 U
PCBs (mg/kg)													
Aroclor 1260	0.5/2.6/17	0.0044 U	0.0044 U	0.0066 J	0.0045 U	0.0042 U	0.0044 U	0.0044 U	0.0044 U	0.0046 U	0.0042 U, J	0.0044 U	0.0044 U
Inorganics (mg/kg)													
Aluminum	80000/*/***	6400	9910	7920	8120	12800	21500	20600	17600	20500	1700	3770	7210
Arsenic	2.1/12/***	0.83	1.4	1.4	1.3	2	**3.3**	**3.3**	**2.9**	**3.1**	0.62	0.7	1.3
Barium	120/130000/1600	9	13.6	18.5	15.4	8.7	8.1	7.8	9.7	9.5	0.55	1.2	2.2
Calcium	NC	482	410	762	754	116	51.5 U	104	77.3	179	49.2 U	56 U	51.1 U
Cobalt	1700/42000/***	0.58	0.93	0.77	0.77	0.26 U	0.27	0.26 U	0.41	0.33	0.25 U	0.28 U	0.26 U
Chromium (total)	210/470/38	4.1	6.2	5.2	5.4	9.3	15.8	15.4	12.6	14.4	4	3.6	6.1
Copper	150/89000/***	2.2	3.5	3.4	3.1	4.3	6.9	6.3	6.1	6.5	0.7	1.2	2.3
Iron	53000/*/***	2660	5140	4580	4020	7100	11600	11000	9500	11000	1400	1850	3600
Potassium	NC	60.4	116	91.6	107	132	173 J	135 J	157 J	171 J	49.2 U	56 U	51.1 U
Magnesium	NC	110	177	144	150	149	185	170	181	203	49.2 U	56 U	51.1 U
Manganese	3500/43000/***	18.9	202	277	152	15.7	19.4	19.4	24.8	22.8	2.6	3.1	4.9
Sodium	NC	54.5 U	54.3 U	49.8 U	55.2 U	52.9 U, J	51.5 U	52.7 U	55.1 U	58.2 U	49.2 U	56 U	51.1
Nickel	340/35000/130	1.6	2.5	2.2	2	2.1	2.9	2.5	2.8	3.1	0.37	0.48	1
Lead	400/1400/***	2.5	3.3	4.1	3.2	3.2	4.6	4.3	4.5	4.8	0.6	0.998	1.7
Vanadium	67/10000/980	7.9	12.6	10	10.2	17.5	29	27.3	23.4	27	2.4	4.7	9
Zinc	26000/630000/***	4.2	6.1	7.1	5.2	6.1	7.7	7.1	7.4	8.9	1.8	1.4	2.6
Mercury	3/17/2.1	0.14 U	0.15 U	0.019	0.14 U	0.14 U	0.12 U	0.14 U	0.14 U	0.16 U	0.14 U	0.13 U	0.13 U

[1] Direct Exposure Residential Limit from Chapter 62-777, FAC
[2] Direct Exposure Industrial Limit from Chapter 62-777, FAC
[3] Leachability limit based on Groundwater from Chapter 62-777, FAC.
TRPH = Total Recoverable Petroleum Hydrocarbons
PCBs = Polychlorinated Biphenyls

Notes: **Bold** indicates an exceedance of regulatory limits.
* = Contaminant is not a health concern for this exposure scenario
***=Leachability values may be derived using SPLP to calulate site-specific SCTLS
SPLP=synthetic precipitation leachate procedure
ft bls = feet below land surface
mg/kg = milligrams per kilogram
FAC = Florida Administrative Code
FDEP = Florida Department of Environmental Protection

J = Indicates Analyte detected at an estimated concentration
NC = No criteria have been established for this parameter
U = Analyte not detected above laboratory Method Detection Limit (MDL)
SCTL = Soil Cleanup Target Level

TABLE 4-6

SUMMARY OF SUBSURFACE SOIL CONTAMINANTS (SB01 - SB08)
SOIL BORINGS THROUGHOUT THE SITE
SITE 4 SITE ASSESSMENT REPORT
SAUFLEY FIELD
PENSACOLA, FLORIDA

Sample No. Sample Location Sample Depth (ft bls) Collect Date	FDEP Soil Cleanup Target Levels DE[1] / DE[2] / LE[3]	OLFS4-SB02-S10 SB01 9-10 12/15/2006	OLFS4-SB02-S26 SB02 25-26 12/15/2006	OLFS4-SB03-S10 SB03 9-10 12/15/2006	OLFS4-SB03-S26 SB03 25-26 12/15/2006	OLFS4-SB04-S10 SB04 9-10 12/15/2006	OLFS4-SB04-S45 SB04 44-45 12/15/2006	OLFS4-SB05-S10 SB05 9-10 12/15/2006	OLFS4-SB05-S45 SB05 44-45 12/15/2006	OLFS4-SB06-S16 SB06 15-16 12/15/2006	OLFS4-SB07-S12 SB07 11-12 12/15/2006	OLFS4-SB08-S12 SB08 11-12 12/15/2006
Metals (mg/kg)												
Aluminum	80000/*/***	8150	776	19500	7170	3610	827	3020	883	20600	4630	11800
Arsenic	2.1/12/***	1.4	0.20 J	**3.3**	1.4	0.60	**2.4**	0.55	**2.2**	**3.1**	0.84	0.97
Barium	120/130000/1600	5.2	1.2	4.2	2.3	3.6	1.2	2.9	1.2	4.1	4.6	4.9
Calcium	NC	63.1 J	55.4 U	55.1 U	53.6 U	52.1 U	55.8 U	76.3	54.1 U	84.5	50.6 U	145
Cobalt	1700/42000/***	0.27 U	0.28 U	0.28 U	0.27 U	0.26 U	0.28 U	0.34	0.27 U	0.27 U	0.25 U	0.27 U
Chromium (total)	210/470/38	6.5 J	2.7 J	18.8 J	9.3 J	2.7 J	3.8 J	2.0 J	3.5 J	16.1 J	3.2 J	7.5 J
Copper	150/89000/***	2.2 J	0.35 J	4.2 J	1.8 J	1.2 J	1.3 J	0.91 J	0.93 J	4.1 J	1.2 J	2.3 J
Iron	53000/*/***	5490	382	14100	7030	2660	2970	2030	2440	11900	3120	6120
Potassium	NC	54.3 U	55.4 U	55.1 U	53.6 U	52.1 U	55.8 U	56.0 U	54.1 U	54.1 U	50.6 U	56.4
Magnesium	NC	61.7 J	55.4 U	55.1 U	53.6 U	52.1 U	55.8 U	56.0 U	54.1 U	54.1 U	51.8 J	53.1 U
Manganese	3500/43000/***	19.9	2.2	16.5	3.2	6.3	0.85	12.5	0.93	12.7	6.7	21.8
Selenium	440/11000/5.2	0.27 U, J	0.28 U	0.28 U, J	0.27 U, J	0.26 U	0.35	0.28 U	0.28	0.27 U, J	0.25 U	0.27 U, J
Nickel	340/35000/130	1	0.28 U	1.2	0.75	0.71	0.28 U	0.71	0.27 U	1.2	0.88	1.1
Lead	400/1400/***	1.9	0.89	3.7	1.8	1.3	1.9	1.2	1.7	3.3	1.4	2.2 J
Vanadium	67/10000/980	12.5 J	1.2 J	35.8 J	18.2 J	5.6 J	12.0 J	4.3 J	10.3 J	28.5 J	6.6 J	14.2 J
Zinc	26000/630000/***	2.8	0.55 U	3.3	1.3	1.9	0.56 U	1.7	0.54 U	2.8	2.0	2.5

Notes:
[1] Direct Exposure Residential Limit from Chapter 62-777, FAC
[2] Direct Exposure Industrial Limit from Chapter 62-777, FAC
[3] Leachability Limit based on Groundwater from Chapter 62-777, FAC
Bold indicates an exceedance of regulatory limits
* = Contaminant is not a health concern for this exposure scenario
*** = Leachability values may be derived using SPLP test to calculate site-specific SCTLs
ft bls = feet below land surface
mg/kg = milligrams per kilogram
FAC = Florida Administrative Code
FDEP = Florida Department of Environmental Protection
J = Indicates analyte detected at an estimated concentration
NC = No criteria have been established for this parameter
U = Analyte not detected above laboratory Method Detection Limit (MDL)
SCTL = Soil Cleanup Target Level
SPLP = Synthetic precipitation leaching procedure

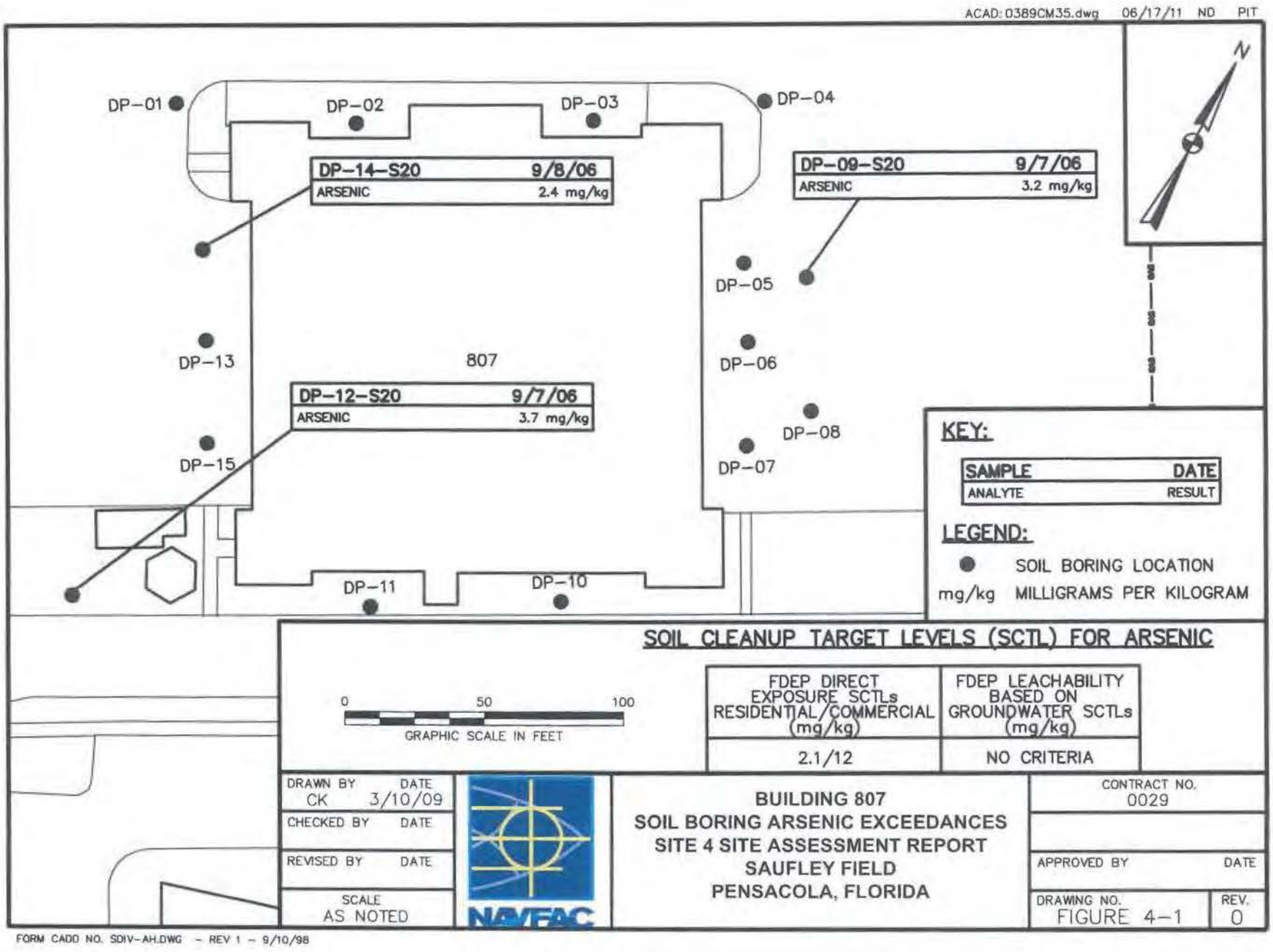
TABLE 4-7

SUMMARY OF SUBSURFACE SOIL CONTAMINANTS (MW-24S - MW-36S)
MONITOR WELL SOIL SAMPLES
SITE 4 SITE ASSESSMENT REPORT
SAUFLEY FIELD
PENSACOLA, FLORIDA

Sample No. Sample Location Sample Depth (ft bls) Collect Date	FDEP Soil Cleanup Target Levels DE[1] / DE[2] / LE[3]	OLFS4-MW24-S20 MW24S 19-20 12/5/2006	OLFS4-MW25-S10 MW25S 9-10 12/7/2006	OLFS4-MW25-S40 MW25S 39-40 12/7/2006	OLFS4-MW26-S25 MW26S 24-25 12/7/2006	OLFS4-MW27-S10 MW27S 9-10 12/6/2006	OLFS4-MW27-S45 MW27S 44-45 12/6/2006	OLFS4-MW33-S5 MW33S 4-5 12/14/2006	OLFS4-MW33-S26 MW33S 25-26 12/14/2006	OLFS4-MW35-S29 MW35S 28-29 12/14/2006	OLFS4-MW36-S25 MW36S 24-25 12/14/2006
Semivolatile Organic Compounds (mg/kg)											
1,1-Biphenyl	3000/34000/0.2	NA	NA	0.11 U	0.1 U	NA	NA	**0.34 J**	0.1 U	0.1 U	0.1 U
Dibenzofuran	320/6300/15	NA	NA	0.11 U	0.1 U	NA	NA	0.190 J	0.1 U	0.1 U	0.1 U
Fluorene	2600/33000/160	NA	NA	0.044 U	0.041 U	NA	NA	0.170 J	0.041 U	0.042 U	0.042 U
2-Methylnaphthalene	210/2100/8.5	NA	NA	0.044 U	0.041 U	NA	NA	1.5	0.041 U	0.042 U	0.042 U
Naphthalene	55/300/1.2	NA	NA	0.044 U	0.041 U	NA	NA	0.22 J	0.041 U	0.042 U	0.042 U
Phenanthrene	2200/36000/250	NA	NA	0.044 U	0.041 U	NA	NA	0.075 J	0.041 U	0.042 U	0.042 U
TRPH (mg/kg)	460/2700/340	NA	NA	7.6 U	7.1 U	NA	NA	**730**	7 U	7.2 U	7 U
Metals (mg/kg)											
Aluminum	80000/*/***	11700	20100	949	7010	3160	875	5700	3000	7200	8820
Arsenic	2.1/12/***	**2.3**	**2.9**	0.31	1.2	0.56	2.1	**4.2**	0.62	1.3	1.8
Barium	120/130000/1600	2.8	5.1	0.69	0.89	3.0	1.2	30.1	0.42	5.4	1.7
Calcium	NC	76.4	141	75.8	52.9 U	52.6 U	56.5 U	517	50.1 U	52.9 U	113 J
Cobalt	1700/42000/***	0.27 U	0.27 U	0.28 U	0.26 U	0.26 U	0.28 U	1.2	0.25 U	0.42 J	0.26 U
Chromium (total)	210/470/38	14.0	13.4	1.5	4.7	2.2	5.1	3.6	3.0	7.9	6.3
Copper	150/89000/***	2.7	4.3	0.39 J	1.5	0.84 J	0.90 J	2.2	0.68 J	2.5	2.2
Iron	53000/*/***	9130	11400	1110	3730	2260	2850	10200	1950	5110	5350
Potassium	NC	54.1 U	63.2 J	56.3 U	52.9 U	52.6 U	56.5 U	56.2 U	50.1 U	52.9 U	51.3 U
Magnesium	NC	54.1 U	70.3 J	56.3 U	52.9 U	52.6 U	56.5 U	59.7 J	50.1 U	52.9 U	51.3 U
Manganese	3500/43000/***	8.1	14.4	S	4.3	5.7	1.8	588	2.2	61.7	6.2
Nickel	340/35000/130	0.78	1.5	0.28 U	0.51	0.79	0.28 U	0.88	0.25 U	1.2 J	0.65
Lead	400/1400/***	2.2 J	3.2	0.68	1.1	1.1	1.4	4.1	0.62	2.4	1.4
Vanadium	67/10000/980	22.2	27.0	4.0	8.4	4.4	11.8	7.8	4.4	9.9	12.4
Zinc	26000/630000/***	1.6	3.9	0.56 U	1.1	1.7	0.57 U	5.0	0.98	2.5	1.8
Mercury	3/17/2.1	0.14 U	0.13 U	0.13 U	0.13 U	0.12 U	0.15 U	0.019	0.13 U	0.13 U	0.12 U

[1] Direct Exposure Residential Limit from Chapter 62-777, FAC
[2] Direct Exposure Industrial Limit from Chapter 62-777, FAC
[3] Leachability Limit based on Groundwater from Chapter 62-777, FAC.
TRPH = Total Recoverable Petroleum Hydrocarbons

Notes: **Bold** indicates an exceedance of FDEP limits
* = Contaminant is not a health concern for this exposure scenario
*** = Leachability values may be derived using SPLP test to calculate site-specific SCTLs
mg/kg = milligrams per kilogram
FAC = Florida Administrative Code
FDEP = Florida Department of Environmental Protection
J = Indicates analyte detected at an estimated concentration
NC = No criteria have been established for this parameter
NA = Sample not analyzed for this parameter
U = Analyte not detected above laboratory Method Detection Limit (MDL)
SCTL = Soil Cleanup Target Level
SPLP = Synthetic precipitation leaching procedure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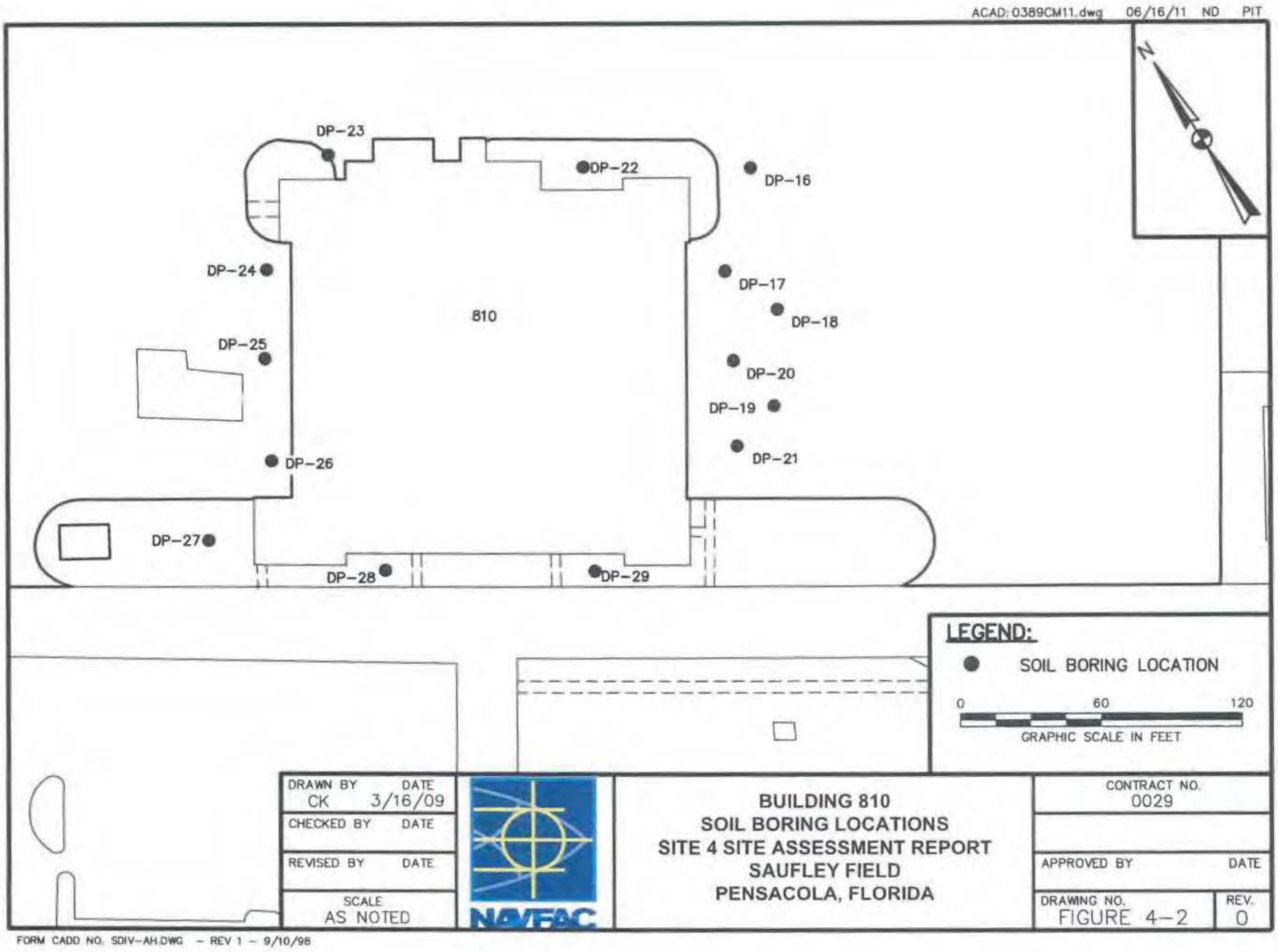
DP-02
DP-03
DP-04
DP-14-S20 9/8/06
ARSENIC 2.4 mg/kg
DP-09-S20 9/7/06
ARSENIC 3.2 mg/kg
DP-05
DP-13
807
DP-06
DP-12-S20 9/7/06
ARSENIC 3.7 mg/kg
DP-08
DP-15
DP-07
DP-11
DP-10
N
KEY:
SAMPLE DATE
ANALYTE RESULT
LEGEND:
SOIL BORING LOCATION
mg/kg MILLIGRAMS PER KILOGRAM
SOIL CLEANUP TARGET LEVELS (SCTL) FOR ARSENIC
FDEP DIRECT EXPOSURE SCTLs RESIDENTIAL/COMMERCIAL (mg/kg)
FDEP LEACHABILITY BASED ON GROUNDWATER SCTLs (mg/kg)
2.1/12
NO CRITERIA
0 50 100
GRAPHIC SCALE IN FEET
DRAWN BY CK DATE 3/10/09
CHECKED BY DATE
REVISED BY DATE
SCALE AS NOTED
NAVFAC
BUILDING 807
SOIL BORING ARSENIC EXCEEDANCES
SITE 4 SITE ASSESSMENT REPORT
SAUFLEY FIELD
PENSACOLA, FLORIDA
CONTRACT NO. 0029
APPROVED BY DATE
DRAWING NO. FIGURE 4-1
REV. 0
FORM CADD NO. SDIV-AH.DWG - REV 1 - 9/10/98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N
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DP-22
DP-16
DP-24
DP-17
810
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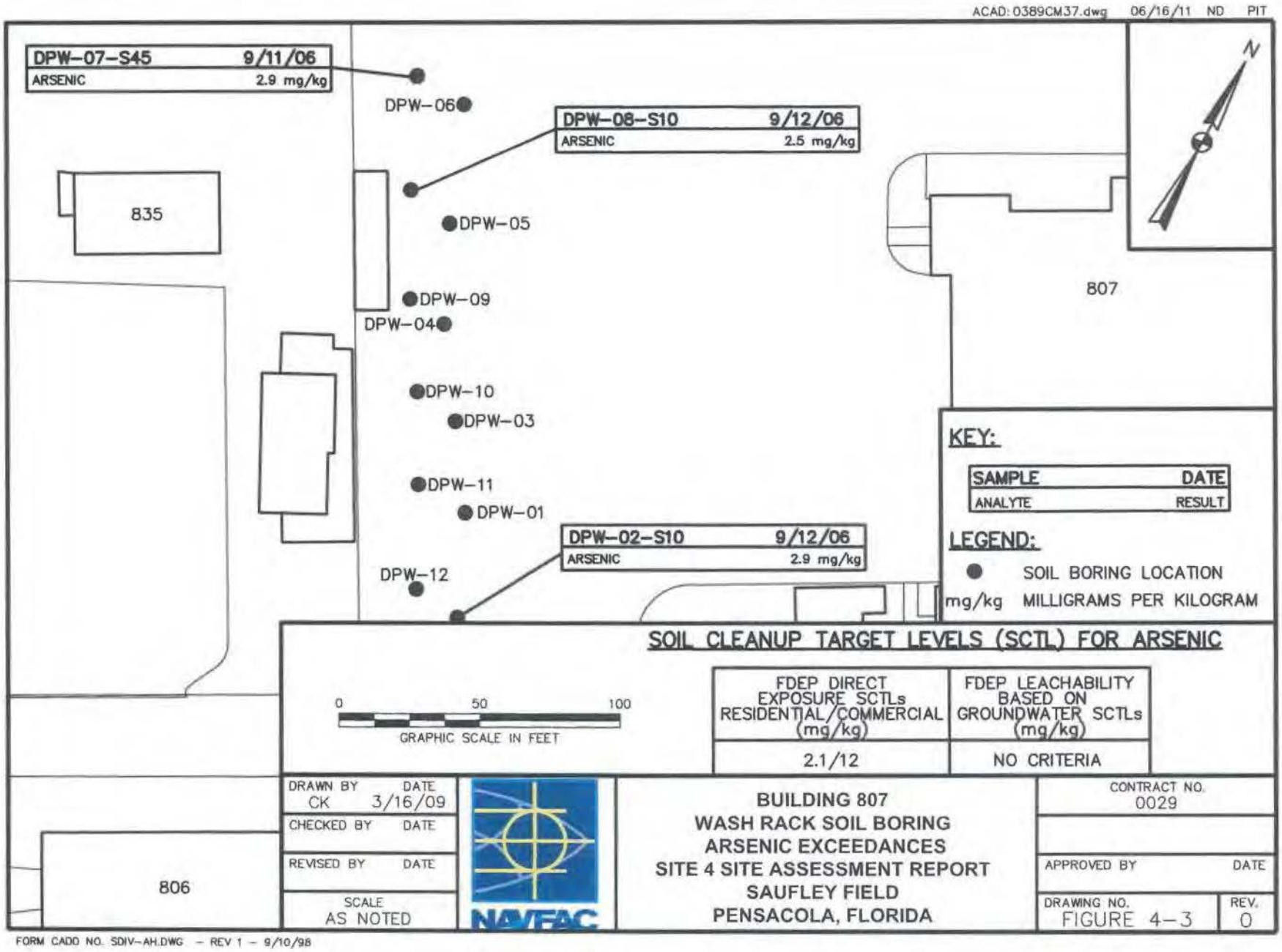
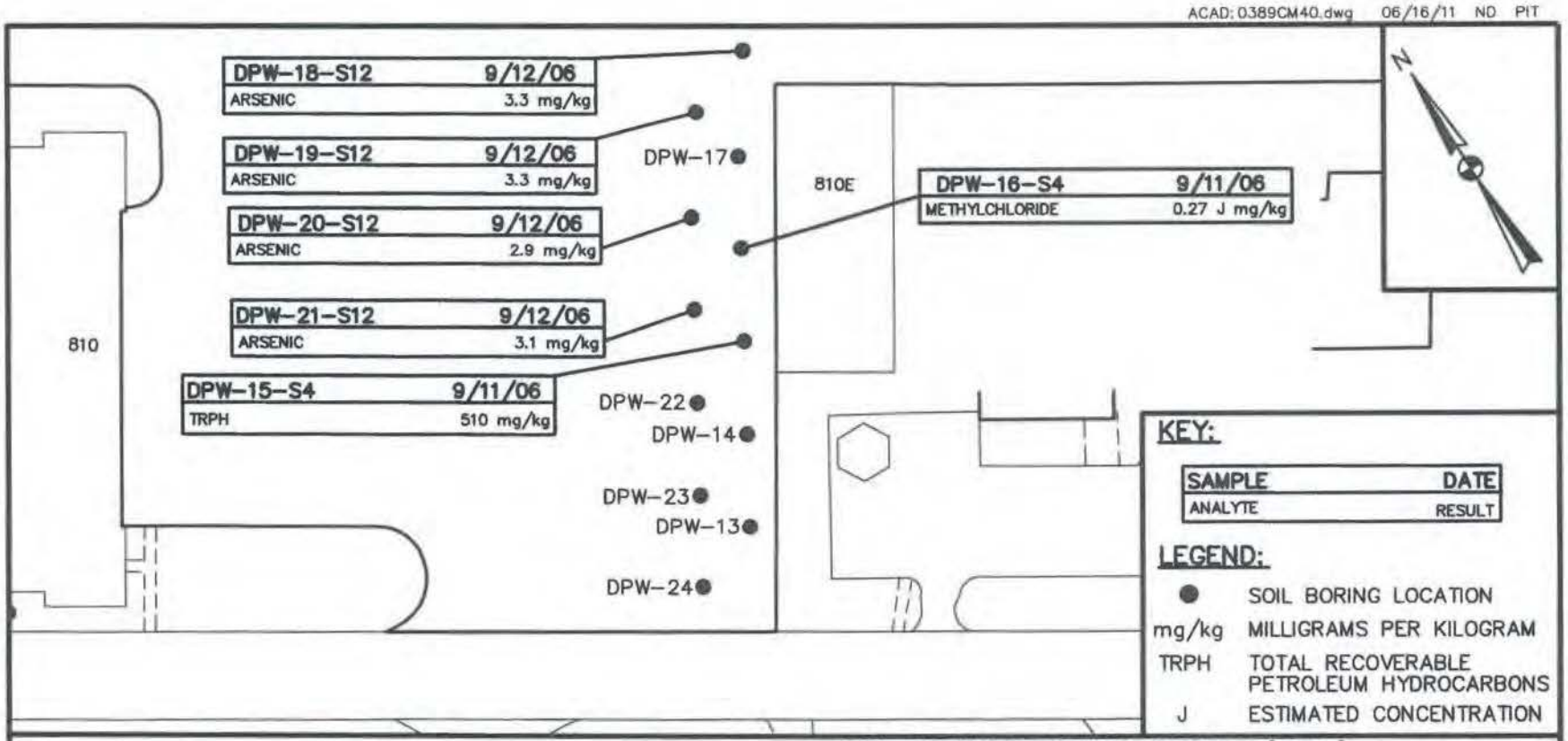
DP-20
DP-19
DP-21
DP-26
DP-27
DP-28
DP-29
LEGEND:
SOIL BORING LOCATION
0
60
120
GRAPHIC SCALE IN FEET
DRAWN BY DATE
CK 3/16/09
CHECKED BY DATE
REVISED BY DATE
SCALE
AS NOTED
NAVFAC
BUILDING 810
SOIL BORING LOCATIONS
SITE 4 SITE ASSESSMENT REPORT
SAUFLEY FIELD
PENSACOLA, FLORIDA
CONTRACT NO.
0029
APPROVED BY DATE
DRAWING NO.
FIGURE 4-2
REV.
0
FORM CADD NO. SDIV-AH.DWG - REV 1 - 9/10/98



FORM CADD NO. SDIV-AH.DWG – REV 1 – 9/10/98



SOIL CLEANUP TARGET LEVELS (SCTL)

ANALYTE	FDEP DIRECT EXPOSURE SCTLs RESIDENTIAL/COMMERCIAL (mg/kg)	FDEP LEACHABILITY BASED ON GROUNDWATER SCTLs (mg/kg)
ARSENIC	2.1/12	NO CRITERIA
TRPH	480/2700	340
METHYLCHLORIDE	17/26	0.02

DRAWN BY / DATE	CK 3/16/09
CHECKED BY / DATE	
REVISED BY / DATE	
SCALE	AS NOTED

BUILDING 810
WASH RACK SOIL BORING
EXCEEDANCES
SITE 4 SITE ASSESSMENT REPORT
SAUFLEY FIELD
PENSACOLA, FLORIDA

CONTRACT NO.	0029
APPROVED BY / DATE	
DRAWING NO.	FIGURE 4-4
REV.	0

FORM CADD NO. SDIV-AH.DWG – REV 1 – 9/10/98

4.4.2.1 Volatile Organics

Only two VOCs were detected in source area samples collected at Site 4. Acetone was detected in two subsurface soil samples from Buildings 807 and 810 wash rack areas at concentrations less than its Florida SCTLs. Methyl chloride was detected in a single sample (OLFS4-DPW16S4 at approximately 0.270 milligrams per kilogram [mg/kg]) at concentrations less than its Florida residential and commercial/industrial SCTLs, but exceeded the Florida leachability to groundwater criteria of 0.02 mg/kg.

4.4.2.2 Semivolatile Organics

A total of six SVOCs including 2-methylnaphthalene, fluorine, naphthalene, 1,1-biphenyl, Dibenzofuran, and phenanthrene were detected in subsurface soil samples collected at Site 4. However, only one sample (OLFS4-MW33S-5) had an SVOC that exceeded a Florida SCTL. 1,1-biphenyl was detected at an estimated concentration of 0.34 mg/kg, which exceeds its Florida leachability to groundwater SCTL of 0.2 mg/kg. Detected concentrations of the other TCL SVOCs in the other subsurface soil samples collected for the SA were less than their leachability to groundwater SCTLs and their Florida residential and commercial/industrial direct exposure SCTLs.

4.4.2.3 TRPH

TRPH concentrations greater than the Florida residential direct exposure SCTL of 460 mg/kg were detected from one shallow subsurface soil sample, OLFS4-MW33S-5 (730 mg/kg), which was located to the east of Building 810, and one screening point sample, OLFS4-DPW14-S6 (510 mg/kg). The detected concentrations exceeded the Florida residential direct exposure SCTL for TRPH and the leachability to groundwater SCTL of 340 mg/kg. The detected concentrations of TRPH in the other subsurface soil samples were less than its FDEP SCTLs.

4.4.2.4 Pesticides/ PCB

Pesticides were not detected in the subsurface samples collected for this SA. However, one subsurface soil sample (OLFS4-DPW15-S4) collected in the wash rack area of Building 810 contained the PCB Aroclor 1260 at a concentration of 0.0066 mg/kg, which is less than its Florida residential direct exposure SCTL (0.5 mg/kg).

4.4.2.5 Inorganics

A total of 17 inorganic analytes were detected in the subsurface soil samples collected at Site 4. Arsenic was the only inorganic detected at concentrations exceeding its Florida residential direct exposure SCTL in 19 samples. Sample designations and concentrations are provided in Table 4-8.

TABLE 4-8

**SUBSURFACE SOIL SAMPLE ARSENIC CONCENTRATIONS
SITE 4 SITE ASSESSMENT REPORT
SAUFLEY FIELD
PENSACOLA, FLORIDA**

SAMPLE DESIGNATION	CONCENTRATION (mg/kg)		SAMPLE DESIGNATION	CONCENTRATION (mg/kg)
OLFS4-DP08-S20	2.0		OLFS4-DPW17-S12	2.0
OLFS4-DP09-S20	**3.2**		**OLFS4-DPW18-S12**	**3.3**
OLFS4-DP10-S20	2.0		**OLFS4-DPW19-S12**	**3.3**
OLFS4-DP12-S20	**3.7**		**OLFS4-DPW20-S12**	**2.9**
OLFS4-DP14-S20	**2.4**		**OLFS4-DPW21-S12**	**2.9**
OLFS4-DP22-S18	1.2		OLFS4-DPW22-S26	0.62
OLFS4-DP24-S8	1.3		OLFS4-DPW23-S26	0.7
OLFS4-DP27-S4	0.72		OLFS4-DPW24-S26	1.3
OLFS4-DP29-S4	1.8		OLFS4-SB01-S10	1.4
OLFS4-DP30-S8	1.2		**OLFS4-SB03-S10**	**3.3**
OLFS4-SB05-S45	**2.2**		OLFS4-SB03-S26	1.4
OLFS4-DPW01-S45	0.93		OLFS4-SB04-S10	0.6
OLFS4-DPW02-S10	**2.9**		**OLFS4-SB04-S45**	**2.4**
OLFS4-DPW03-S10	1.4		OLFS4-SB05-S10	0.55
OLFS4-DPW04-S10	1.9		**OLFS4-SB05-S45**	**2.2**
OLFS4-DPW05-S10	2.0		**OLFS4-SB06-S16**	**3.1**
OLFS4-DPW06-S10	0.9		OLFS4-SB07-S12	0.84
OLFS4-DPW07-S45	**2.9**		OLFS4-SB08-S12	0.97
OLFS4-DPW08-S10	**2.5**		OLFS4-MW24-S20	**2.3**
OLFS4-DPW09-S10	1.7		OLFS4-MW25-S10	**2.9**
OLFS4-DPW10-S45	1.8		OLFS4-MW26-S25	1.2
OLFS4-DPW11-S45	0.66		OLFS4-MW27-S10	0.56
OLFS4-DPW12-S45	0.8		OLFS4-MW27-S45	2.1
OLFS4-DPW13-S4	0.83		**OLFS4-MW33-S5**	**4.2**
OLFS4-DPW14-S6	1.4		OLFS4-MW35-S29	1.3
OLFS4-DPW15-S4	1.4		OLFS4-MW36-S25	1.8 mg/kg
OLFS4-DPW16-S4	1.3			

BOLD VALUES = EXCEED THE FLORIDA RESIDENTIAL SCTL (2.1 mg/kg)

The subsurface soil samples with exceedances for arsenic are located throughout the site and were collected at different depth intervals; therefore, a pattern cannot be established. The site specific background concentration for arsenic is 1.36 mg/kg. It should be noted that the highest concentration detected in Site 4 subsurface soil samples was 3.7 mg/kg, which is less than its Florida commercial/industrial direct exposure SCTL of 12 mg/kg.

4.4.3 Summary

Analytical results did not indicate an exceedance related to the Florida commercial/industrial direct exposure SCTLs for any of the target analytes. However, TRPH and arsenic were detected at concentrations exceeding their Florida residential direct exposure SCTL and TRPH, 1,1 biphenyl, and methyl chloride exceeded their leachability to groundwater SCTLs.

Analytical results from one subsurface soil sample, OLFS4-MW33S-5, and one screening point soil sample, OLFS4-DPW14-S6, reported concentrations of TRPH greater than its Florida residential direct exposure and leaching to groundwater SCTLs (730 mg/kg and 510 mg/kg, respectively).

Arsenic was the only inorganic target analyte, detected in 19 of the subsurface soil samples, at concentrations greater than its Florida residential direct exposure SCTL.

Although arsenic and TRPH exceeded their respective residential direct exposure SCTLs, it should be noted that the samples were collected at depths that are less than the direct exposure threshold horizon of 2 feet bls. The depth of soil contaminants and predominant impervious surface cover at Site 4 minimizes/prevents the potential for direct exposure to the contaminants.

Analytical results from two soil samples, OLFS4-MW33S-5 and OLFS4-DPW16-S4, contained 1,1-biphenyl (0.34 mg/kg) and methyl chloride (0.270 mg/kg [estimated]), at concentrations greater than their respective leachability to groundwater SCTLs. These samples were collected from soil borings at the wash rack area adjacent to Building 810.

4.5 GROUNDWATER

Twelve DPT screening point groundwater samples plus one duplicate sample were collected in September 2006 from the Buildings 807 and 810 wash rack areas to assist in selecting monitoring well locations during the initial phase of the assessment. DPT groundwater sample locations that contained target analytes at concentrations exceeding their Florida CTLs are detailed on Figures 4-5 and 4-6 and the analytical results are presented in Appendix G.

Based on the results of the DPT groundwater sampling event, the first round of groundwater sampling took place at Site 4 between December 2006 and January 2007, and consisted of installing and sampling 36 monitoring wells. A total of 28 monitoring wells were installed in the shallow aquifer zone as part of the initial assessment phase. Shallow monitoring wells depths range from 36.12 to 59.02 feet below top of casing. Eight monitoring wells were installed in the deep aquifer zone, with total depth ranging from 79.03 to 129.81 feet below top of casing. Included among the wells installed during this period are

background wells OLFS4-MW-22D and OLFS4-MW-23S. These two wells were installed on December 13, 2006 and sampled on December 19, 2006.

Prior to this study, groundwater from Site 4 had not been sampled. Therefore, the groundwater samples collected during the first phase of the SA were analyzed for the full TCL and TAL analytes, as well as petroleum hydrocarbons. Based on analysis of groundwater samples collected as part of the initial phase of the assessment, PCBs and inorganics were removed from the analyte list.

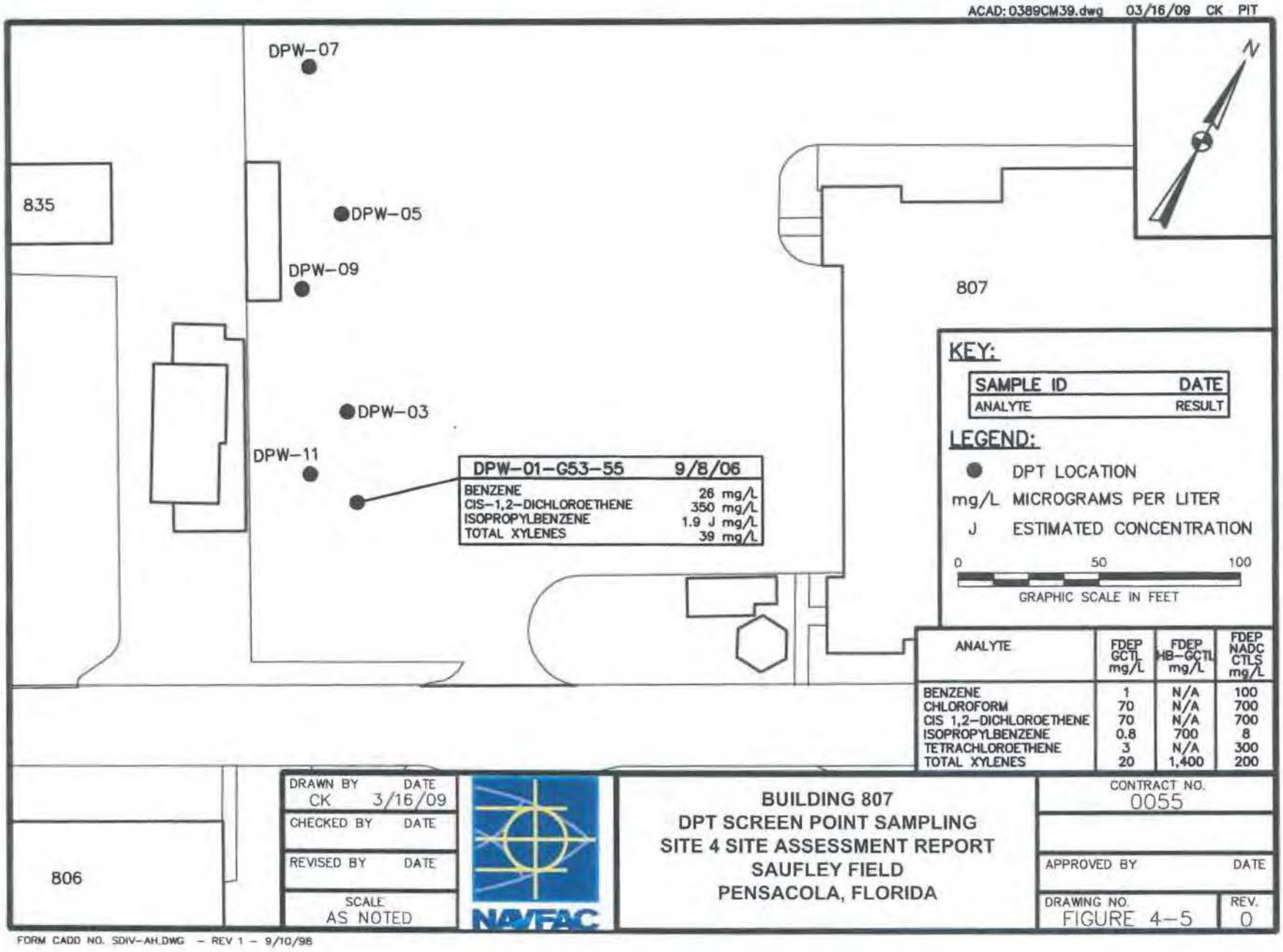
Laboratory results from the initial sampling event indicated further delineation was warranted; therefore, the second sampling event was initiated on June 8, 2007 and concluded on June 14, 2007. This included the installation of 10 additional shallow monitor wells, with total depths ranging from 46.53 to 65.09 feet below top of casing. After installation and development, the supplemental monitor wells were sampled following FDEP SOPs.

The third sampling event was initiated on June 6, 2010 and concluded June 10, 2010. Groundwater samples were collected from 10 monitoring wells and analyzed for a select set of analytes. Groundwater samples collected from four of the monitoring wells, including OLFS4-MW0S, OLFS4-MW30S, OLFS4-MW31S, and OLFS4-MW32S, were analyzed for the VOCs benzene, ethylbenzene, total xylenes, isopropylbenzene, cis-1,2-dichloroethene and the SVOC naphthalene. Groundwater samples collected from six of the monitoring wells, including OLFS4-MW06S, OLFS4-MW07S, OLFS4-MW16S, OLFS4-MW17S, OLFS4-MW18S, and OLFS4-MW19S, were analyzed for chromium and nickel.

The fourth sampling event was initiated on April 11, 2011 and concluded April 17, 2011. Groundwater samples were collected from 15 monitoring wells and analyzed for a select set of analytes including VOCs, SVOCs, and TRPH. One groundwater sample collected from OLFS4-MW46S was analyzed for select set of metals including aluminum, cadmium, chromium, manganese, and nickel. MNA parameters were also collected from monitoring wells OLFS4-MW05S, OLFS4-MW09S, OLFS4-MW30S, OLFS4-MW32S, and OLFS4-MW37S. Monitoring well OLFS4-MW29D was sampled on May 25, 2011 and the groundwater sample collected was analyzed for a select set of analytes including VOCs, SVOCs, and TRPH. The analytical data collected from monitoring well 2406MW29D will be presented in a report to be issued by CH2MHill.

Groundwater analytical results were compared to Florida CTLs established in Chapter 62-550 and Chapter 62-777, and Chapter 62-785 F.A.C. and the background concentrations for metals.

Table 4-9 provides a summary of analytes detected in groundwater and Table 4-13 provides a summary of the MNA parameters. The analytical results are shown graphically on Figures 4-7 through 4-11.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DPW-05
DPW-09
DPW-03
DPW-11
835
807
806
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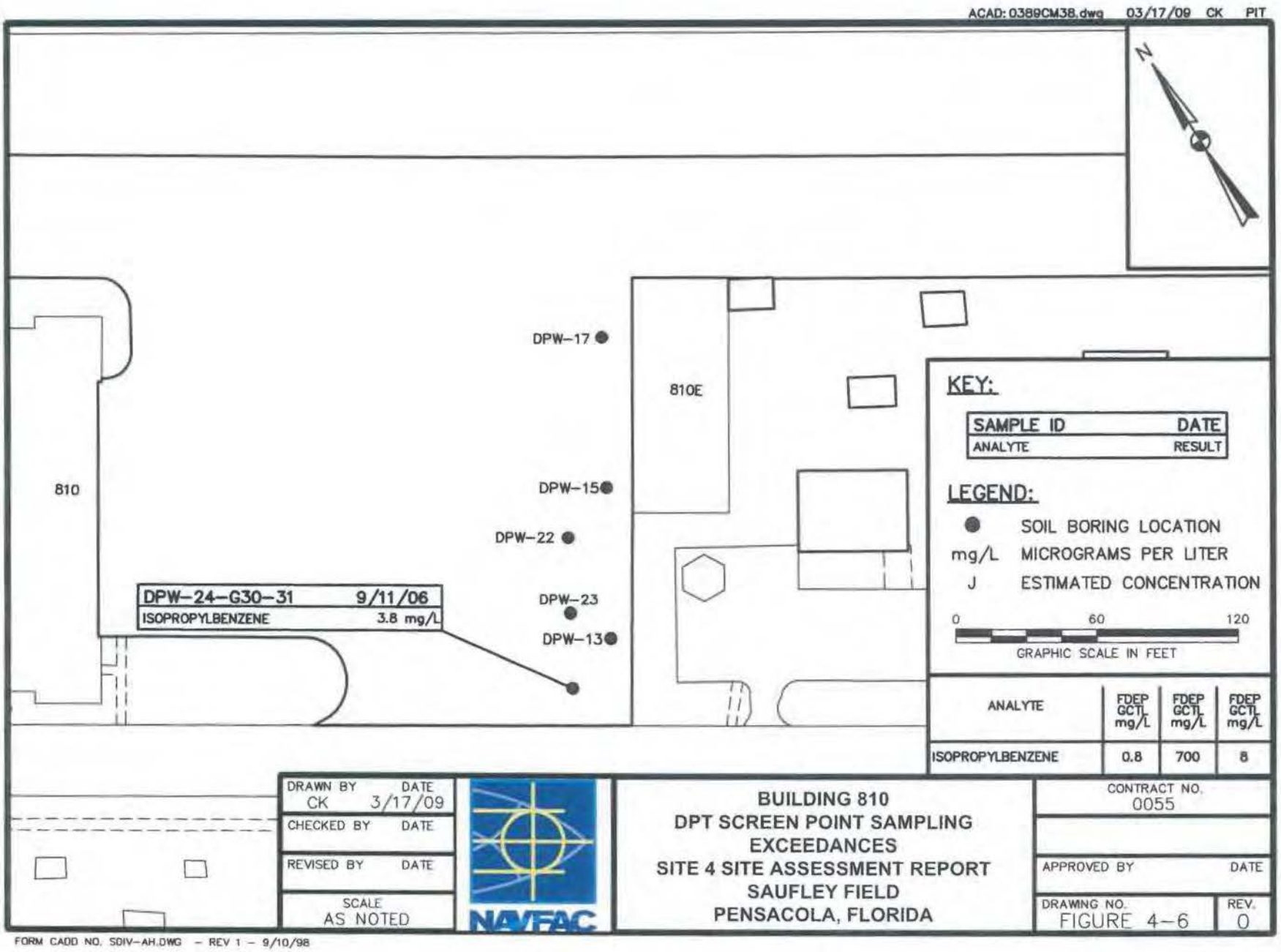
DPW-01-G53-55 9/8/06
BENZENE 26 mg/L
CIS-1,2-DICHLOROETHENE 350 mg/L
ISOPROPYLBENZENE 1.9 J mg/L
TOTAL XYLENES 39 mg/L
KEY:
SAMPLE ID DATE
ANALYTE RESULT
LEGEND:
DPT LOCATION
mg/L MICROGRAMS PER LITER
J ESTIMATED CONCENTRATION
0 50 100
GRAPHIC SCALE IN FEET
ANALYTE | FDEP GCTL mg/L | FDEP HB-GCTL mg/L | FDEP NADC CTLS mg/L
BENZENE | 1 | N/A | 100
CHLOROFORM | 70 | N/A | 700
CIS 1,2-DICHLOROETHENE | 70 | N/A | 700
ISOPROPYLBENZENE | 0.8 | 700 | 8
TETRACHLOROETHENE | 3 | N/A | 300
TOTAL XYLENES | 20 | 1,400 | 200
DRAWN BY CK DATE 3/16/09
CHECKED BY DATE
REVISED BY DATE
SCALE AS NOTED
NAVFAC
BUILDING 807
DPT SCREEN POINT SAMPLING
SITE 4 SITE ASSESSMENT REPORT
SAUFLEY FIELD
PENSACOLA, FLORIDA
CONTRACT NO. 0055
APPROVED BY DATE
DRAWING NO. FIGURE 4-5
REV. 0
FORM CADD NO. SDIV-AH.DWG - REV 1 - 9/10/98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N
DPW-17
810E
810
DPW-15
DPW-22
DPW-24-G30-31 9/11/06
ISOPROPYLBENZENE 3.8 mg/L
DPW-23
DPW-13
KEY:
SAMPLE ID DATE
ANALYTE RESULT
LEGEND:
SOIL BORING LOCATION
mg/L MICROGRAMS PER LITER
J ESTIMATED CONCENTRATION
0 60 120
GRAPHIC SCALE IN FEET
ANALYTE | FDEP GCTL mg/L | FDEP GCTL mg/L | FDEP GCTL mg/L
ISOPROPYLBENZENE | 0.8 | 700 | 8
DRAWN BY CK DATE 3/17/09
CHECKED BY DATE
REVISED BY DATE
SCALE AS NOTED
NAVFAC
BUILDING 810
DPT SCREEN POINT SAMPLING
EXCEEDANCES
SITE 4 SITE ASSESSMENT REPORT
SAUFLEY FIELD
PENSACOLA, FLORIDA
CONTRACT NO. 0055
APPROVED BY DATE
DRAWING NO. FIGURE 4-6
REV. 0
FORM CADD NO. SDIV-AH.DWG - REV 1 - 9/10/98

Sample No. Sample Location lect Date	FDEP GCTLs [1] (µg/L)	FDEP HB-GCTLS [2] (µg/L)	FDEP NADC CTLS [3] (µg/L)	OLFS4-MW01D2-001 MW-01D2 1/6/2007	OLFS4-MW02D-001 MW-02D 1/6/2007	OLFS4-MW02D MW-02D 4/15/2011	OLFS4-MW03S-001 MW-03S 12/6/2006	OLFS4-MW03S MW-03S 4/15/2011	OLFS4-MW04D-001 MW-04D 1/4/2007	OLFS4-MW04D MW-04D 4/15/2011	OLFS4-MW05S-001 MW-05S 12/7/2006	OLFS4-MW05S MW-05S 8/8/2010	OLFS4-MW05S MW-05S 4/14/2011	OLFS4-MW06S-001 MW-06S 12/6/2006	OLFS4-MW06S MW-06S 8/8/2010	OLFS4-MW07S-001 MW-07S 12/8/2006	OLFS4-MW07S MW-07S 8/8/2010	OLFS4-MW07S MW-07S 4/12/2011	DLFS4-MW08S-001 MW-08S 12/7/2006
Volatile Organic Compounds (µg/L)																				
Acetone	6,300	***	63,000	1.1 U	1.1 U	–	1.1 U	–	1.1 U, J	–	1.1 U	–	–	1.1 U	–	1.1 U	–	–	1.1 U
Benzene	1	***	100	0.11 U	0.11 U	0.539 J	0.11 J	**1.3**	0.11 U	0.25 U	**4.9**	**82**	**95.6**	0.26 J	–	0.38 J	–	0.466 J	0.93 J
Bromoform	4.4	***	440	0.24 U	0.24 U	–	0.24 U	–	0.24 U	–	0.24 U	–	–	0.24 U	–	0.24 U	–	–	0.24 U
Bromodichloromethane	0.6	***	60	0.24 U	0.24 U	–	0.24 U	–	0.24 U	–	0.24 U	–	–	0.24 U	–	0.24 U	–	–	0.54 J
2-Butanone	4,200	***	42,000	1.2 U	1.2 U	–	1.2 U	–	1.2 U	–	1.2 U	–	–	1.2 U	–	1.2 U	–	–	1.2 U
Carbon Disulfide	700	***	7,000	0.13 U	0.13 U	–	0.13 U	–	0.13 U	–	0.13 U	–	–	0.13 U	–	0.13 U	–	–	0.13 U
Chloroform	70	***	700	0.49 J	0.3 U	–	0.15 U	–	0.3 U	–	0.15 U	–	–	0.15 U	–	0.15 U	–	–	0.15 U
Chloromethane	2.7	***	270	0.4 U, J	0.4 U, J	–	2 U, J	–	0.4 U, J	–	0.18 U	–	–	2 U, J	–	2 U, J	–	–	0.18 U
Cyclohexane	***	***	***	0.18 U	0.18 U	–	0.18 U	–	0.18 U	–	0.41 J	–	–	0.18 U	–	1.6 J	–	–	0.18 U
Dibromochloromethane	0.4	***	40	0.08 U	0.08 U	–	0.08 U	–	0.08 U	–	0.08 U	–	–	0.08 U	–	0.08 U	–	–	0.38 J
1,1 Dichloroethane	70	***	700	0.15 U	0.15 U	0.25 U	0.15 U	0.25 U	0.15 U	0.25 UJ	5.2	–	64.8 J	0.15 U	–	0.15 U	–	0.998 J	0.15 U
1,1 Dichloroethene	7	***	70	–	–	0.25 U	–	0.25 U	–	0.25 U	–	–	4.76 J	–	–	–	–	0.256 J	–
1,2 Dichloroethane	3	***	300	–	–	0.25 U	–	0.25 U	–	0.25 U	–	–	2.5 U	–	–	–	–	0.25 U	–
cis 1,2 Dichloroethene	70	***	700	0.44 U	0.44 U	0.25 U	0.44 U	0.25 U	0.44 U	0.25 U	**77**	**910**	**813**	0.44 U	–	1.1	–	2.41	0.44 U
trans 1,2 Dichloroethene	100	***	1,000	0.4 U	0.4 U	–	0.4 U	–	0.4 U	–	0.4 U	–	–	0.4 U	–	0.4 U	–	–	0.4 U
Ethylbenzene	30	700	300	0.14 U	0.14 U	0.25 U	0.14 U	0.25 U	0.14 U	0.25 U	4.6	**54**	**86.5**	0.14 U	–	0.29 J	–	2.88	0.16 J
Isopropylbenzene	0.8	***	8	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	**1.5**	**21**	**33.6**	0.25 U	–	0.39 J	–	**3.53**	0.25 U
Methyl cyclohexane	***	***	***	0.2 U	0.2 U	–	0.2 U	–	0.2 U	–	0.2 U	–	–	0.2 U	–	2.2	–	–	0.2 U
Trichlorofluoromethane	2,100	***	21,000	0.15 U	0.15 U	–	0.15 U	–	0.15 U	–	0.15 U	–	–	0.15 U	–	0.15 U	–	–	0.15 U
Trichloroethene	3	***	300	–	–	0.25 U	–	0.25 U	–	–	–	–	2.5 U	–	–	–	–	0.296 J	–
Tetrachloroethene	3	***	300	0.14 U	0.14 U	0.25 U	0.14 U	0.25 U	0.14 U	0.25 U	0.14 U	–	2.5 U	0.14 U	–	0.24 J	–	0.254 J	0.14 U
Toluene	40	1,400	400	0.18 U	0.18 U	0.25 U	0.23 J	0.38 J	0.18 U	0.25 U	1.1	–	7.21 J	0.32 J	–	0.46 J	–	0.25 U	0.87 J
Vinyl Chloride	1	***	100	0.19 U	0.19 U	–	0.19 U	–	0.19 U	–	0.27 J	–	–	0.19 U	–	0.19 U	–	–	0.19 U
Total Xylenes	20	1,400	200	0.21 U	0.21 U	0.75 U	0.21 U	0.75 U	0.21 U	0.75 U	**21**	**160**	**307**	0.21 U	–	0.83 J	–	0.75 U	0.73 J
Semivolatile Organic Compounds (µg/L)																			
Acenaphthene	20	420	200	0.01 U	0.01 U	0.0481 U	0.01 U	0.0467 U	0.01 U	0.0463 U	0.012 U	–	0.0483 U	0.011 U	–	0.011 U	–	0.57	0.011 U
Acenaphthylene	210	***	2,100	0.0085 U	0.0088 U	–	0.0087 U	–	0.0087 U	–	0.01 U	–	–	0.0094 U	–	0.0092 U	–	–	0.0092 U
Benzo (a) Anthracene	0.05	***	5	0.01 U	0.011 U	–	0.011 U	–	0.011 U	–	0.012 U	–	–	0.012 U	–	0.011 U	–	–	0.011 U
Benzo (b) Fluoranthene	0.05	***	5	0.016 U	0.017 U	–	0.016 U	–	0.016 U	–	0.019 U	–	–	0.018 U	–	0.017 U	–	–	0.017 U
Benzo (k) Fluoranthene	0.5	***	50	0.013 U	0.014 U	–	0.013 U	–	0.013 U	–	0.015 U	–	–	0.014 U	–	0.014 U	–	–	0.014 U
Benzo (a) Pyrene	0.2	***	200	0.0095 U	0.0099 U	–	0.0097 U	–	0.0097 U	–	0.011 U	–	–	0.01 U	–	0.01 U	–	–	0.01 U
Bis(2-ethylhexyl)phthalate	6	***	6,000	1.1 U	1.1 U	–	1 U	–	1.1 U	–	1.4 J	–	–	1.1 U	–	1.1 U	–	–	1 U
1,1 Biphenyl	0.5	350	5	1.1 U	1.1 U	–	1 U	–	1.1 U	–	5 U, R	–	–	5.3 U, R	–	5.7 U, R	–	–	5.3 U, R
Butylbenzylphthalate	140	***	1,400	1.1 U	1.1 U	–	1 U	–	1.1 U	–	1.6 J	–	–	1.1 U	–	1.1 U	–	–	1 U
Caprolactam	***	***	***	1.1 U, J	1.1 U, J	–	1 U	–	1.1 U	–	1 U	–	–	1.1 U	–	1.2 J	–	–	1 U
Chrysene	4.8	***	480	1.1 U	0.0094 U	–	0.0092 U	–	0.0092 U	–	0.01 U	–	–	0.01 U	–	0.0098 U	–	–	0.0098 U
Di-n-butylphthalate	700	***	7,000	1.1 U	1.1 U	–	1 U	–	1.1 U	–	1 U	–	–	1.1 U	–	1.1 U	–	–	1 U
Fluoranthene	280	***	2,800	1.1 U	0.012 U	–	0.012 U	–	0.012 U	–	0.014 U	–	–	0.013 U	–	0.012 U	–	–	0.012 U
Fluorene	280	***	2,800	1.1 U	0.013 U	0.0481 U	0.013 U	0.0467 U	0.013 U	0.0463 U	0.1	–	1.88	0.014 U	–	0.027 J	–	1.79	0.014 U
ethylnaphthalene	28	***	280	0.01 U	0.01 U	0.0481 U	0.02 J	0.0467 U	0.01 U	0.0463 U	8.6	–	**126**	0.029 J	–	0.5	–	**45.6**	0.17
ethylnaphthalene	28	***	280	0.016 U	0.017 U	0.0481 U	0.034 J	0.0467 U	0.016 U	0.0463 U	12	–	**166**	0.054 J	–	0.51	–	**32.9**	0.32
phthalene	14	***	140	0.019 U	0.02 U	0.0481 U	0.05 J	0.0467 U	0.019 U	0.0463 U	**26**	**250**	**264**	0.063	–	0.16	–	7.41	0.37
Phenanthrene	210	***	2,100	0.014 U	0.014 U	0.0481 U	0.014 U	0.0467 U	0.014 U	0.0463 U	0.039 J	–	0.433	0.016 U	–	0.033 J	–	0.323	0.021 J
Pyrene	210	***	2,100	0.01 U	0.011 U	–	0.011 U	–	0.011 U	–	0.012 U	–	–	0.012 U	–	0.011 U	–		0.011 U
TRPHs (µg/L)																			
TPH (C_8 - C_{40})	5,000	***	50,000	180 U	180 U	159 U	180 U	157 U	0.17 U	159 U	750	–	**9,410**	180 U	–	180 U	–	2,870	180 U
Metals (µg/L)																			
Aluminum **	200	7,000	2,000	**336**	140	–	180	–	75 U	–	**752**	–	–	**1,510**	–	**790**	–	–	**755**
Arsenic *	10	***	100	3 U	3 U	–	3 U	–	3 U	–	3 U	–	–	3 U	–	3 U	–	–	3 U
Barium *	2,000	***	20,000	9.1	54.6	–	57.1	–	19.1	–	81.8	–	–	43.6	–	72.5	–	–	50.2
Calcium	***	***	***	1,850	2,160	–	8,850	–	1,000 U	–	30,600	–	–	13,600	–	38,100	–	–	13,200
Cobalt	420	***	1,400	5 U	6.9	–	5 U	–	5 U	–	5 U	–	–	9	–	5 U	–	–	5 U
Chromium (total) *	100	***	1,000	6.8	20.5	–	27.7	–	11.5	–	79.5	–	–	**349**	1.3 U	**103**	5.39	–	35.3
Copper **	1,000	1,000	10,000	5 U	7.7	–	5 U	–	12.7	–	5 U	–	–	10.6	–	5 U	–	–	5 U
Iron**	300	4,200	3,000	**705**	**2,810**	–	**962**	–	190	–	**3,470**	–	–	**8,870**	–	**7,550**	–	–	**2,040**
Potassium	***	***	***	1,000 U	1,550	–	5,630	–	1,000 U	–	3,040	–	–	1,000 U	–	6,010	–	–	9,210
Magnesium	***	***	***	1,000 U	1,000 U	–	2,810	–	1,000 U	–	1,450	–	–	2,350	–	4,000	–	–	1,820
Manganese **	50	330	500	**54**	**78.5**	–	**235**	–	15.1	–	**495**	–	–	**590**	–	**816**	–	–	**400**
Selenium *	50	***	500	1.2 U	1.2 U	–	5 U	–	1.2 U	–	5 U	–	–	5 U	–	5 U	–	–	5 U
Silver **	100	35	1,000	1 U	1 U	–	1 U	–	1 U	–	1 U	–	–	1 U	–	1 U	–	–	1 U
Sodium*	160,000	***	1,600,000	9,640	5,740	–	4,450	–	3,870	–	3,780	–	–	3,830	–	5,790	–	–	5,330
Nickel	100	***	1,000	8.6	15.7	–	19.1	–	10.4	–	44	–	–	**179**	3.33	54.8	3.58	–	22.1
Lead *	15	***	150	0.61	1.5 U	–	0.38 U	–	1.5 U	–	0.56	–	–	1.5 U	–	1.5 U	–	–	1.5 U
Thallium*	2	***	20	0.75 U	1 U	–	0.75 U	–	1 U	–	1.3 U	–	–	0.75 U	–	0.75 U	–	–	1 U
Vanadium	49	***	490	5 U	5 U	–	5 U	–	5 U	–	5 U	–	–	9.9	–	5 U	–	–	5 U
Zinc **	5000	5,000	50,000	13.3	34.5	–	10 U	–	17.4	–	10 U	–	–	10 U	–	10 U	–	–	10 U
Mercury *	2	***	20	0.08 U	0.08 U	–	0.08 U	–	0.08 U	–	0.08 U	–	–	0.08 U	–	0.08 U	–	–	0.08 U

NOTES:
[1] Groundwater Cleanup Target Levels as provided in Chapter 62-777 and Chapter 62-550, Florida Administrative Code
[2] Health Based Groundwater Cleanup Target Level as provided in Chapter 62-785, Florida Administrative Code
[3] Natural Attenuation Default Concentrations, Groundwater Cleanup Target Level as provided in Chapter 62-520, Florida Administrative Code
TRPHs = Total Recoverable Petroleum Hydrocarbons
Bold indicates an exceedance of FDEP GCTLs
U=Analyte not detected above laboratory Method Detection Limit (MDL)
R = Rejected due to technical non-compliance
– = Not applicable/not analyzed for this parameter
J = Analyte was detected at an estimated concentration
µg/L = micrograms per liter
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No Standard

Sample No. Sample Location Collect Date	FDEP GCTLs [1] (µg/L)	FDEP HB-GCTLS [2] (µg/L)	FDEP NADC CTLS [3] (µg/L)	OLFS4-MW08S-001-D MW-08S 12/7/2006 (DUPLICATE)	OLFS4-MW08S MW-08S 4/12/2011	OLFS4-MW09S-001 MW-09S 1/6/2007	OLFS4-MW09S MW-09S 4/13/2011	OLFS4-MW10D-001 MW-10D 12/20/2006	OLFS4-MW11S-001 MW-11S 12/20/2006	OLFS4-MW12S-001 MW-12S 12/19/2006	OLFS4-MW13S-001 MW-13S 12/20/2006	OLFS4-MW14D-001 MW-14D 1/8/2007	OLFS4-MW14D MW-14D 4/15/2011	OLFS4-MW14D MW-14D 4/15/2011 (Duplicate)
Volatile Organic Compounds (µg/L)														
Acetone	6,300	***	63,000	1.1 U	–	1.1 U	–	1.1 U	1.1 U	7.8 U	2.4 U	1.1 U	–	–
Benzene	1	***	100	0.66 J	0.25 U	0.11 U	0.25 U	0.11 U	0.11 U	0.11 U	0.11 U	**12**	0.25 U	0.25 U
Bromoform	4.4	***	440	0.24 U	–	0.24 U	–	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	–	–
Bromodichloromethane	0.6	***	60	0.24 J	–	0.24 U	–	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	–	–
2-Butanone	4,200	***	42,000	1.2 U	–	1.2 U	–	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	–	–
Carbon Disulfide	700	***	7,000	0.13 U	–	4.3	–	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	–	–
Chloroform	70	***	700	1.3	–	0.3 U	–	0.3 U	0.3 U	0.3 U	0.47 J	0.34 J	–	–
Chloromethane	2.7	***	270	0.18 U	–	0.4 U, J	–	0.4 U	0.4 U	0.42 J	0.45 J	0.4 U, J	–	–
Cyclohexane	***	***	***	0.18 U	–	0.18 U	–	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	–	–
Dibromochloromethane	0.4	***	40	0.08 U	–	0.08 U	–	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U	–	–
1,1 Dichloroethane	70	***	700	0.15 U	0.25 U	0.15 U	0.25 U	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U	0.25 U	0.25 U
1,1 Dichloroethene	7	***	70	–	0.25 U	–	0.25 U	–	–	–	–	–	0.25 U	0.25 U
1,2 Dichloroethane	3	***	300	–	0.25 U	–	0.25 U	–	–	–	–	–	0.25 U	0.25 U
cis 1,2 Dichloroethene	70	***	700	0.44 U	0.25 U	0.44 U	0.25 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.25 U	0.25 U
trans 1,2 Dichloroethene	100	***	1,000	0.4 U	–	0.4 U	–	0.4 U	0.4 U	0.4 U	0.45 J	0.4 U	–	–
Ethylbenzene	30	700	300	0.14 U	0.25 U	0.14 U	0.25 U	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U	0.25 U	0.25 U
Isopropylbenzene	0.8	***	8	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
Methyl cyclohexane	***	***	***	0.2 U	–	0.2 U	–	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	–	–
Trichlorofluoromethane	2,100	***	21,000	0.15 U	–	0.15 U	–	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U	–	–
Trichloroethene	3	***	300	–	0.25 U	–	0.25 U	–	–	–	–	–	0.25 U	0.25 U
Tetrachloroethene	3	***	300	0.14 U	0.344 J	0.14 U	0.281 J	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U	0.25 U	0.25 U
Toluene	40	1,400	400	0.54 J	0.25 U	0.18 U	0.25 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.25 U	0.25 U
Vinyl Chloride	1	***	100	0.19 U	–	0.19 U	–	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	–	–
Total Xylenes	20	1,400	200	0.28 J	0.75 U	0.21 U	0.75 U	0.21 U	0.21 U	0.21 U	0.21 U	0.41 J	0.75 U	0.75 U
Semivolatile Organic Compounds (µg/L)														
Acenaphthene	20	420	200	0.011 U	0.0481 U	0.011 U, J	0.0463 U	0.011 U	0.011 U	0.01 U	0.011 U	0.011 U, J	0.0463 U	0.0463 U
Acenaphthylene	210	***	2,100	0.0094 U	–	0.0094 U, J	–	0.009 U	0.0097 U	0.0088 U	0.009 U	0.009 U, J	–	–
Benzo (a) Anthracene	0.05	***	5	0.012 U	–	0.012 U	–	0.011 U	0.012 U	0.03 J	0.011 U	0.011 U	–	–
Benzo (b) Fluoranthene	0.05	***	5	0.018 U	–	0.018 U	–	0.017 U	0.018 U	0.04 J	0.017 U	0.017 U	–	–
Benzo (k) Fluoranthene	0.5	***	50	0.014 U	–	0.014 U	–	0.014 U	0.015 U	0.037 J	0.014 U	0.014 U	–	–
Benzo (a) Pyrene	0.2	***	200	0.01 U	–	0.01 U	–	0.01 U	0.011 U	0.03 J	0.01 U	0.01 U	–	–
Bis(2-ethylhexyl)phthalate	6	***	6,000	1.1 U	–	1.1 U	–	1 U, J	1.1 U	1 U	1.1 U	1.1 U	–	–
1,1 Biphenyl	0.5	350	5	5.3 U, R	–	1.1 U	–	1 U, J	1.1 U	1 U	1.1 U	1.1 U	–	–
Butylbenzylphthalate	140	***	1,400	1.1 U	–	1.1 U	–	1 U, J	1.1 U	1 U	1.1 U	1.1 U	–	–
Caprolactam	***	***	***	1.1 U	–	1.1 U, J	–	1 U, J	1.1 U	1.4 J	1.1 U	1.1 U, J	–	–
Chrysene	4.8	***	480	0.01 U	–	0.01 U	–	0.0096 U	0.01 U	0.046 J	0.0096 U	0.0096 U	–	–
Di-n-butylphthalate	700	***	7,000	1.1 U	–	1.1 U	–	1 U, J	1.1 U	1 U	1.1 U	1.1 U	–	–
Fluoranthene	280	***	2,800	0.013 U	–	0.013 U	–	0.012 U	0.013 U	0.093	0.012 U	0.012 U	–	–
Fluorene	280	***	2,800	0.014 U	0.0481 U	0.014 U, J	0.0463 U	0.013 U	0.014 U	0.013 U	0.013 U	0.013 U, J	0.0463 U	0.0463 U
1-Methylnaphthalene	28	***	280	0.35 J	0.0481 U	0.011 U, J	0.0463 U	0.011 U	0.011 U	0.01 J	0.011 U	0.011 U, J	0.0463 U	0.0463 U
2-Methylnaphthalene	28	***	280	0.58	0.0481 U	0.018 U, J	0.0463 U	0.017 U	0.018 U	0.017 U	0.017 U	0.017 U, J	0.0739 J	0.0754 J
Naphthalene	14	***	140	0.89	0.0481 U	0.021 U, J	0.0463 U	0.02 U	0.022 U	0.02 U	0.02 U	0.02 U, J	0.0463 U	0.0463 U
Phenanthrene	210	***	2,100	0.02 J	0.0481 U	0.016 U, J	0.0463 U	0.015 U	0.016 U	0.07	0.015 U	0.015 U, J	0.0463 U	0.0463 U
Pyrene	210	***	2,100	0.014 J		0.012 U	–	0.011 U	0.012 U	0.06	0.011 U	0.011 U	–	–
TRPHs (µg/L)														
TPH (C_8 - C_{40})	5,000	***	50,000	180 U	340 U	190 U	207 J	190 U	190 U	180 U	180 U	180 U	159 U	157 U
Metals (µg/L)														
Aluminum **	200	7,000	2,000	**815**	–	75 U	–	**539**	**560**	**309**	**795**	75 U	–	–
Arsenic *	10	***	100	3 U	–	3 U	–	3 U	3 U	3.6	3 U	3 U	–	–
Barium *	2,000	***	20,000	49.7	–	93	–	104	29.3	19.7	54	24.8	–	–
Calcium	***	***	***	13,200	–	6,770	–	3,930	20,800	26,000	24,600	1,320	–	–
Cobalt	420	***	1,400	5 U	–	5 U	–	5 U	5 U	5 U	5 U	8.1	–	–
Chromium (total) *	100	***	1,000	19.7	–	14.8	–	22	5.9	13.9	43.6	5.7	–	–
Copper **	1,000	1,000	10,000	5 U	–	5 U	–	5.7	5 U	5 U	5 U	5 U	–	–
Iron**	300	4,200	3,000	**1,970**	–	**8,530**	–	**1,170**	**1,710**	297	**719**	**664**	–	–
Potassium	***	***	***	9,010	–	1,580	–	1,450	1,950	1,170	2,590	1,000 U	–	–
Magnesium	***	***	***	1,780	–	5,500	–	4,900	1,740	1,000 U	2,540	1,090	–	–
Manganese **	50	330	500	**398**	–	**847**	–	46.7	**185**	28.1	**332**	**67.2**	–	–
Selenium *	50	***	500	5 U	–	1.2 U	–	5 U	5 U	5 U	5 U	1.2 U	–	–
Silver **	100	35	1,000	1 U	–	1 U	–	1 U	1 U	1 U	1 U	1 U	–	–
Sodium*	160,000	***	1,600,000	5,270	–	4,640	–	6,320	5,970	3,660	4,530	7,940	–	–
Nickel	100	***	1,000	13.6	–	11.6	–	16.5	7.1	9.8	33.7	8.2	–	–
Lead *	15	***	150	1.5 U	–	0.38 U	–	12.2	1.5 U	1.5 U	3	0.38 U	–	–
Thallium*	2	***	20	0.75 U	–	0.75 U	–	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	–	–
Vanadium	49	***	490	5 U	–	5 U	–	5 U	5 U	5 U	5 U	5 U	–	–
Zinc **	5000	5,000	50,000	10 U	–	13.4	–	17.3	10 U	10 U	28.9	13.5	–	–
Mercury *	2	***	20	0.08 U	–	0.08 U	–	0.08 U, J	0.08 U, J	0.08 U, J	0.08 U, J	0.08 U	–	–

NOTES:
[1] Groundwater Cleanup Target Level as provided in Chapter 62-777 and Chapter 62-550, Florida Administrative Code
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[3] Natural Attenuation Default Concentrations Groundwater Cleanup Target Level as provided in Chapter 62-520, Florida Administrative Code
TRPHs = Total Recoverable Petroleum Hydrocarbons
Bold indicates an exceedance of FDEP GCTLs.
U=Analyte not detected above laboratory Method Detection Limit (MDL)
R = Rejected due to technical non-compliance
– = Not applicable/not analyzed for this parameter
J = Analyte was detected at an estimated concentration
µg/L = micrograms per liter
* = Primary Standard
** = Secondary Standard
*** = No Standard

Sample No. Sample Location ollect Date	FDEP GCTLs [1] (µg/L)	FDEP HB-GCTLS [2] (µg/L)	FDEP NADC CTLS [3] (µg/L)	OLFS4-MW15S-001 MW-15S 1/4/2007	OLFS4-MW15S-001 MW-15S 12/7/2006	OLFS4-MW16S MW-16S 6/8/2010	OLFS4-MW17S-001 MW-17S 12/21/2006	OLFS4-MW17S MW-17S 6/9/2010	OLFS4-MW18S-001 MW-18S 12/21/2006	OLFS4-MW18S MW-18S 6/9/2010	OLFS4-MW19S-001 MW-19S 12/7/2006	OLFS4-MW19S MW-19S 6/8/2010	OLFS4-MW20S-001 MW-20S 12/20/2006	OLFS4-MW21S-001 MW-21S 1/7/2007	OLFS4-MW22D-001 MW-22D 12/19/2006 (BACKGROUND)	OLFS4-MW23S-001 MW-23S 12/19/2006 (BACKGROUND)	OLFS4-MW24S-001 MW-24S 1/6/2007	OLFS4-MW25S-001 MW-25S 1/6/2007	OLFS4-MW25S MW-25S 4/13/2011
Volatile Organic Compounds (µg/L)																			
Acetone	6,300	***	63,000	4.2 U	1.1 U	–	1.7 U	–	1.1 U, J	–	1.1 U	–	2.9 U	2.4 U	1.1 U	8.4 U	1.1 U	1.1 U	–
Benzene	1	***	100	0.11 U	0.19 J	–	0.11 U	–	0.11 U	–	0.18 J	–	0.11 U	0.11 U	0.11 U	0.21 J	0.11 U	0.11 U	–
Bromoform	4.4	***	440	0.24 U	0.24 U	–	0.24 U	–	0.24 U	–	0.24 U	–	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	–
Bromodichloromethane	0.6	***	60	0.24 U	0.29 J	–	0.24 U	–	0.24 U	–	0.36 J	–	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	–
2-Butanone	4,200	***	42,000	1.2 U	1.2 U	–	1.2 U	–	1.2 U	–	1.2 U	–	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	–
Carbon Disulfide	700	***	7,000	0.13 U	0.13 U	–	0.13 U	–	0.13 U	–	0.13 U	–	0.52 J	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	–
Chloroform	70	***	700	0.54 J	0.15 U	–	0.3 U	–	0.3 U	–	0.15 U	–	0.75 J	0.3 U	0.3 U	0.3 U	0.43 J	0.3 U	–
Chloromethane	2.7	***	270	0.55 J	2 U, J	–	0.4 U, J	–	0.4 U, J	–	0.18 U	–	0.51 J	0.5 J	0.4 U	0.4 U	0.4 U, J	0.4 U, J	–
Cyclohexane	***	***	***	0.18 U	0.18 U	–	0.18 U	–	0.18 U	–	0.18 U	–	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	–
Dibromochloromethane	0.4	***	40	0.26 J	0.38 J	–	0.08 U	–	0.08 U	–	0.35 J	–	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U	–
1,1 Dichloroethane	70	***	700	0.15 U	0.15 U	–	0.15 U	–	0.15 U	–	0.15 U	–	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U	0.25 U
1,1 Dichloroethene	7	***	70	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	0.25 U
1,2 Dichloroethane	3	***	300	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	0.25 U
cis 1,2 Dichloroethene	70	***	700	0.44 U	0.44 U	–	0.44 U	–	0.44 U	–	0.44 U	–	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.61 U	0.553 J
trans 1,2 Dichloroethene	100	***	1,000	48	0.4 U	–	0.4 U	–	0.4 U	–	0.4 U	–	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	–
Ethylbenzene	30	700	300	0.14 U	0.14 U	–	0.14 U	–	0.14 U	–	0.14 U	–	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U	0.25 U
Isopropylbenzene	0.8	***	8	0.25 U	0.25 U	–	0.25 U	–	0.25 U	–	0.25 U	–	0.25 U	0.25 U	0.25 U	0.33 J	0.25 U	0.25 U	0.25 U
Methyl cyclohexane	***	***	***	0.2 U	0.2 U	–	0.2 U	–	0.2 U	–	0.2 U	–	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	–
Trichlorofluoromethane	2,100	***	21,000	0.15 U	0.15 U	–	0.15 U	–	0.15 U	–	0.15 U	–	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U	–
Trichloroethene	3	***	300	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	0.25 U
Tetrachloroethene	3	***	300	0.2 J	0.14 U	–	0.14 U	–	0.14 U	–	0.14 U	–	0.14 U	0.14 U	0.14 U	0.14 U	0.34 J	0.14 U	0.25 U
Toluene	40	1,400	400	0.23 J	0.61 J	–	0.18 U	–	0.18 U	–	0.26 J	–	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.25 U
Vinyl Chloride	1	***	100	0.36 J	0.19 U	–	0.19 U	–	0.19 U	–	0.19 U	–	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	–
Total Xylenes	20	1,400	200	0.21 U	0.34 J	–	0.21 U	–	0.21 U	–	0.21 U	–	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.75 U
Semivolatile Organic Compounds (µg/L)																			
Acenaphthene	20	420	200	0.011 U	0.011 U	–	0.012 U	–	0.011 U	–	0.011 U	–	0.011 U	0.011 U, J	0.01 U	0.4	0.012 U, J	0.011 U	0.0463 U
Acenaphthylene	210	***	2,100	0.0097 U	0.0094 U	–	0.01 U	–	0.0097 U	–	0.009 U	–	0.009 U	0.0097 U, J	0.0088 U	0.009 U	0.01 U, J	0.0092 U	–
Benzo (a) Anthracene	0.05	***	5	0.012 U	0.012 U	–	0.012 U	–	0.012 U	–	0.011 U	–	0.011 U	0.012 U	0.011 U	0.011 U	0.018 J	0.011 U	–
Benzo (b) Fluoranthene	0.05	***	5	0.018 U	0.018 U	–	0.019 U	–	0.018 U	–	0.017 U	–	0.017 U	0.018 U	0.017 U	0.017 U	0.019 U	0.017 U	–
Benzo (k) Fluoranthene	0.5	***	50	0.015 U	0.014 U	–	0.015 U	–	0.015 U	–	0.014 U	–	0.014 U	0.015 U	0.014 U	0.014 U	0.015 U	0.014 U	–
Benzo (a) Pyrene	0.2	***	200	0.011 U	0.01 U	–	0.011 U	–	0.011 U	–	0.01 U	–	0.01 U	0.011 U	0.0099 U	0.01 U	0.11 U	0.01 U	–
Bis(2-ethylhexyl)phthalate	6	***	6,000	1.1 U	1 U	–	1.1 U	–	1.1 U	–	1 U	–	1.2 U	1 U	1 U	1.1 U	1.2 U	1 U	–
1,1 Biphenyl	0.5	350	5	1.1 U	5.2 U, R	–	1.1 U	–	1.1 U	–	5 U, R	–	1.2 U	1 U	1 U	1.1 U	1.2 U	1 U	–
Butylbenzylphthalate	140	***	1,400	1.1 U	1.6 J	–	1.1 U	–	1.1 U	–	1 U	–	1.2 U	1 U	1 U	1.1 U	1.2 U	1 U	–
Caprolactam	***	***	***	3.6 J	3.6 J	–	1.1 U	–	1.1 U	–	4.4 J	–	1.2 U	1 U, J	1.5 J	2.7 J	1.2 U, J	1 U, J	–
Chrysene	4.8	***	480	0.01 U	0.01 U	–	0.01 U	–	0.01 U	–	0.0096 U	–	0.0096 U	0.01 U	0.0094 U	0.0096 U	0.027 J	0.0098 U	–
Di-n-butylphthalate	700	***	7,000	1.1 U	1.4 J	–	1.1 U	–	1.1 U	–	1 U	–	1.2 U	1 U	1 U	1.1 U	1.2 U	1 U	–
Fluoranthene	280	***	2,800	0.013 U	0.013 U	–	0.014 U	–	0.013 U	–	0.012 U	–	0.016 J	0.013 U	0.012 U	0.012 U	0.038 J	0.012 U	–
Fluorene	280	***	2,800	0.014 U	0.02 J	–	0.015 U	–	0.014 U	–	0.013 U	–	0.013 U	0.014 U, J	0.013 U	0.15	0.015 U, J	0.014 U	0.0642 J
Methylnaphthalene	28	***	280	0.011 U	0.046 J	–	0.012 U	–	0.011 U	–	0.015 J	–	0.011 U	0.011 U, J	0.01 U	0.035 J	0.012 U, J	0.15	2.33
ethylnaphthalene	28	***	280	0.018 U	0.063	–	0.019 U	–	0.018 U	–	0.025 J	–	0.017 U	0.018 U, J	0.017 U	0.017 U	0.019 U, J	0.036 J	1.21
phthalene	14	***	140	0.022 U	0.1	–	0.022 U	–	0.022 U	–	0.044 J	–	0.02 U	0.022 U, J	0.02 U	0.02 U	0.022 U, J	0.021 U	0.543
Phenanthrene	210	***	2,100	0.016 U	0.068	–	0.016 U	–	0.03 J	–	0.015 U	–	0.027 U	0.016 U, J	0.014 U	0.015 U	0.016 U, J	0.015 U	0.0463 U
Pyrene	210	***	2,100	0.012 U	0.012 U	–	0.012 U	–	0.012 U	–	0.011 U	–	0.011 U	0.012 U	0.011 U	0.011 U	0.045 J	0.011 U	–
TRPHs (µg/L)																			
TPH (C_6 - C_{40})	5,000	***	50,000	330 J	180 U	–	190 U	–	190 U	–	180 U	–	180 U	210 U	180 U	550	190U	170 U	508 J
Metals (µg/L)																			
Aluminum **	200	7,000	2,000	172	**761**	–	**3,110**	–	**2,690**	–	170	–	**333**	**333**	**342**	**712**	**204**	**1,440**	–
Arsenic *	10	***	100	3 U	3 U	–	5.8	–	3.9	–	4 U	–	3 U	3 U	3 U	3.9	3 U	4	–
Barium *	2,000	***	20,000	43.3	30.5	–	46.4	–	47.5	–	25.4	–	44.9	22.8	23.2	316	12.4	23.4	–
Calcium	***	***	***	7,780	9,790	–	13,400	–	13,200	–	4,790	–	28,600	7,130	1,000 U	181,000	6,410	18,600	–
Cobalt	420	***	1,400	31.5	5 U	–	5 U	–	5 U	–	12.1	–	5 U	5 U	5 U	5 U	5 U	5 U	–
Chromium (total) *	100	***	1,000	33.2	**120**	1.72	**138**	3.6	**139**	48.4	**855**	3.24	14.5	38.6	9.7	16.2	40.7	81.2	–
Copper **	1,000	1,000	10,000	10.2	5 U	–	8.8	–	11.6	–	6.8	–	5 U	14.8	5 U	5 U	5.9	22.3	–
Iron**	300	4,200	3,000	**984**	**1,120**	–	**8,340**	–	**8,190**	–	**3,710**	–	290	**351**	**379**	**34,500**	**592**	**4,030**	–
Potassium	***	***	***	4,760	2,640	–	16,200	–	2,060	–	1,000 U	–	1,700	1,370	1,000 U	35,600	2,020	1,710	–
Magnesium	***	***	***	1,320	1,060	–	2,190	–	1,770	–	1,900	–	2,150	1,840	1,000 U	17,100	1,000 U	1,340	–
Manganese **	50	330	500	**265**	**319**	–	**209**	–	**159**	–	**161**	–	**173**	**283**	12.8	**2,790**	**98**	**68.7**	–
Selenium *	50	***	500	1.2 U	5 U	–	5 U	–	5 U	–	5 U	–	5 U	1.2 U	5 U	5 U	1.2 U	1.2 U	–
Silver **	100	35	1,000	4.8	1 U	–	1 U	–	1 U	–	1 U	–	1 U	1 U	1 U	1 U	1 U	1 U	–
Sodium*	160,000	***	1,600,000	4,240	4,380	1.28	10,600	–	2,200	–	4,310	–	3,900	3,890	3,380	31,900	3,110	3,010	–
Nickel	100	***	1,000	30.2	68.6	–	97	2.81	96.2	24.4	**438**	3.07	11.1	35.4	8.4	12.3	32.4	53.9	–
Lead *	15	***	150	2.8	1.5 U	–	2.7	–	4.1	–	1.5 U	–	1.5 U	1.3	1.5 U	9.1	0.39	1.6	–
Thallium*	2	***	20	0.75 U	1.3 U	–	0.75 U	–	0.75 U	–	1 U	–	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	–
Vanadium	49	***	490	5 U	5 U	–	12.1	–	9.9	–	5 U	–	5 U	5 U	5 U	5 U	5 U	5	–
Zinc **	5000	5,000	50,000	255	10 U	–	15	–	67.9	–	10 U	–	11	89.3	10 U	10.7	37.9	25.5	–
Mercury *	2	***	20	0.08 U	0.08 U	–	0.08 U, J	–	0.08 U, J	–	0.08 U	–	0.08 U, J	0.08 U	0.08 U, J	0.08 U, J	0.08 U	0.08 U	–

NOTES:
[1] Groundwater Cleanup Target Level as provided in Chapter 62-777 and Chapter 62-550, Florida Administrative Code.
[2] Health Based Groundwater Cleanup Target Level as provided in Chapter 62-755, Florida Administrative Code
[3] Natural Attenuation Default Concentrations Groundwater Cleanup Target Level as provided in Chapter 62-520, Florida Administrative Code.
TRPHs = Total Recoverable Petroleum Hydrocarbons
Bold indicates an exceedance of FDEP GCTLs
U=Analyte not detected above laboratory Method Detection Limit (MDL)
R = Rejected due to technical non-compliance
– = Not applicable/not analyzed for this parameter
J = Analyte was detected at an estimated concentration
µg/L = micrograms per liter
imary Standard
econdary Standard
No Standard

Sample No. Sample Location Date	FDEP GCTLs [1] (µg/L)	FDEP HB- GCTLS [2] (µg/L)	FDEP NADC CTLS [3] (µg/L)	OLFS4-MW25S MW-25S 4/13/2011 (Duplicate)	OLFS4-MW26D-001 MW-26D 1/5/2007	OLFS4-MW27S-001 MW-27S 1/7/2007	OLFS4-MW27S MW-27S 4/13/2011	OLFS4-MW28S-001 MW-28S 1/8/2007	OLFS4-MW29D-001 MW-29S 1/5/2007	OLFS4-MW29D MW-29D 4/15/2011	OLFS4-MW30S-001 MW-30S 1/4/2007	OLFS4-MW30S MW-30S 6/8/2010	OLFS4-MW30S MW-30S 4/14/2011	OLFS4-MW30S MW-30S 4/14/2011 (Duplicate)	OLFS4-MW31S-001 MW-31S 1/5/2007	OLFS4-MW31S MW-31S 6/8/2010	OLFS4-MW31S MW-31S 4/15/2011	OLFS4-MW32S-001 MW-32S 1/5/2007	OLFS4-MW32S MW-32S 6/8/2010	OLFS4-MW32S MW-32S 4/14/2011
Volatile Organic Compounds (µg/L)																				
Acetone	6,300	***	63,000	--	1.1 U	7.9 U	--	2.1 U	3.7 U	--	2.5 U	--	--	--	14 U	--	--	16 U	--	--
Benzene	1	***	100	0.25 U	0.11 U	0.11 U	0.25 U	0.11 U	0.11 U	--	0.11 U	0.35 U	0.5 U	0.5 U	0.2 J	0.35 U	0.25 U	0.11 U	0.35 U	1.25 U
Bromoform	4.4	***	440	--	0.24 U	0.24 U	--	0.24 U	0.24 U	--	0.24 U	--	--	--	0.24 U	--	--	0.24 U	--	--
Bromodichloromethane	0.6	***	60	--	0.24 U	0.24 U	--	0.24 U	0.24 U	--	0.24 U	--	--	--	0.24 U	--	--	1.2 U	--	--
2-Butanone	4,200	***	42,000	--	1.2 U	1.2 U	--	1.2 U	1.2 U	--	1.2 U	--	--	--	1.2 U	--	--	1.2 U	--	--
Carbon Disulfide	700	***	7,000	--	0.13 U	0.13 U	--	0.13 U	0.13 U	--	0.13 U	--	--	--	0.13 U	--	--	0.65 U	--	--
Chloroform	70	***	700	--	0.3 U	0.3 U	--	0.3 U	0.35 J	--	0.3 U	--	--	--	00.3 U	--	--	00.3 U	--	--
Chloromethane	2.7	***	270	--	0.42 J	0.4 U, J	--	0.4 U, J	0.4 U, J	--	0.4 U, J	--	--	--	0.4 U, J	--	--	0.4 U, J	--	--
Cyclohexane	***	***	***	--	0.18 U	0.18 U	--	0.18 U	0.18 U	--	0.76 J	--	--	--	0.27J	--	--	4.2 J	--	--
Dibromochloromethane	0.4	***	40	--	0.08 U	0.08 U	--	0.08 U	0.08 U	--	0.08 U	--	--	--	0.08 U	--	--	0.4 U	--	--
1,1 Dichloroethane	70	***	700	0.25 U	0.15 U	0.15 U	0.25 UJ	0.15 U	0.15 U	--	0.15 U	--	0.5 UJ	0.5 UJ	0.15 U	--	0.25 U	0.75 U	--	1.25 UJ
1,1 Dichloroethene	7	***	70	0.25 U	--	--	0.25 U	--	--	--	--	--	0.5 U	0.5 U	--	--	0.25 U		--	1.25 U
1,2 Dichloroethane	3	***	300	0.25 U	--	--	0.25 U	--	--	--	--	--	0.5 U	0.5 U	--	--	0.25 U		--	1.25 U
cis 1,2 Dichloroethene	70	***	700	0.25 U	0.44 U	0.44 U	0.25 U	0.44 U	0.44 U	--	0.44 U	0.41 U	0.5 U	0.5 U	0.44 U	0.41 U	0.25 U	2.2 U	0.68 J	1.25 U
trans 1,2 Dichloroethene	100	***	1,000	--	0.4 U	0.4 U	--	0.4 U	0.4 U	--	3.2	--	--	--	1.1	--	--	2 U	--	--
Ethylbenzene	30	700	300	0.616 J	0.14 U	0.14 U	0.25 U	0.14 U	0.14 U	--	0.14 U	0.43 U	0.5 U	0.5 U	**35**	0.43 U	0.31 J	**110**	1.6	26
Isopropylbenzene	0.8	***	8	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	--	**39**	0.5 U	**7.3**	**7.3**	**28**	0.5 U	0.321 J	**80**	**1.1**	**18.5**
Methyl cyclohexane	***	***	***	--	0.2 U	0.2 U	--	0.2 U	0.2 U	--	1.4	--	--	--	1.2	--	--	16	--	--
Trichlorofluoromethane	2,100	***	21,000	--	0.15 U	0.15 U	--	0.15 U	0.15 U	--	0.15 U	--	--	--	0.15 U	--	--	0.75 U	--	--
Trichloroethene	3	***	300	0.25 U	--	--	0.25 U	--	--	--	--	--	0.5 U	0.5 U	--	--	0.25 U		--	1.25 U
Tetrachloroethene	3	***	300	0.25 U	0.14 U	0.14 U	0.25 U	0.14 U	0.14 U	--	0.14 U	--	0.5 U	0.5 U	0.14 U	--	0.25 U	0.7 U	--	1.25 U
Toluene	40	1,400	400	0.25 U	0.18 U	0.18 U	0.25 U	0.18 U	0.18 U	--	0.18 U	--	0.5 U	0.5 U	0.25 J	--	0.25 U	4.8 J	--	1.33 U
Vinyl Chloride	1	***	100	--	0.19 U	0.19 U	--	0.19 U	0.19 U	--	0.19 U	--	--	--	0.19 U	--	--	0.95 U	--	--
Total Xylenes	20	1,400	200	0.75 U	0.21 U	0.21 U	0.75 U	0.21 U	0.21 U	--	0.66 J	0.85 U	1.5 U	1.5 U	**24**	0.85 U	0.75 U	**840**	8.3	**163**
Semivolatile Organic Compounds (µg/L)																				
Acenaphthene	20	420	200	0.0463 U	0.01 U	0.011 U, J	0.0467 U	0.011 U, J	0.01 U	--	0.011 U	--	0.0463 U	--	0.01 U	--	0.463 U	0.014 J	--	0.0463 U
Acenaphthylene	210	***	2,100	--	0.0088 U	0.0094 U, J		0.0097 U, J	0.0088 U	--	0.0092 U	--	--	--	0.86	--	--	0.0092 U	--	--
Benzo (a) Anthracene	0.05	***	5	--	0.011 U	0.012 U	--	0.012 U	0.011 U	--	0.011 U	--	--	--	0.011 U	--	--	0.011 U	--	--
Benzo (b) Fluoranthene	0.05	***	5	--	0.017 U	0.018 U	--	0.018 U	0.017 U	--	0.017 U	--	--	--	0.016 U	--	--	0.017 U	--	--
Benzo (k) Fluoranthene	0.5	***	50	--	0.014 U	0.014 U	--	0.015 U	0.014 U	--	0.014 U	--	--	--	0.013 U	--	--	0.014 U	--	--
Benzo (a) Pyrene	0.2	***	200	--	0.0099 U	0.01 U	--	0.012 U	0.0099 U	--	0.01 U	--	--	--	0.0098 U	--	--	0.01 U	--	--
Bis(2-ethylhexyl)phthalate	6	***	6,000	--	1.1 U	1.1 U	--	1.1 U	1.1 U	--	1 U	--	--	--	1.1 U	--	--	1.1 U	--	--
1,1 Biphenyl	0.5	350	5	--	1.1 U	1.1 U	--	1.1 U	1.1 U	--	1 U	--	--	--	1.1 U	--	--	1.1 U	--	--
Butylbenzylphthalate	140	***	1,400	--	1.1 U	1.1 U	--	1.1 U	1.1 U	--	1 U	--	--	--	1.1 U	--	--	1.1 U	--	--
Caprolactam	***	***	***	--	1.1 U, J	1.1 U, J	--	1.1 U, J	1.1 U, J	--	1 U, J	--	--	--	1.1 U, J	--	--	1.8 J	--	--
Chrysene	4.8	***	480	--	0.0094 U	0.01 U	--	0.01 U	0.0094 U	--	0.0098 U	--	--	--	0.0093 U	--	--	0.0098	--	--
Di-n-butylphthalate	700	***	7,000	--	1.1 U	1.1 U	--	1.1 U	1.1 U	--	1 U	--	--	--	1.1 U	--	--	1.1 U	--	--
Fluoranthene	280	***	2,800	--	0.012 U	0.013 U	--	0.013 U	0.012 U	--	0.046 J	--	--	--	0.012 U	--		0.028 J	--	--
Fluorene	280	***	2,800	0.0546 J	0.013 U	0.014 U, J	0.0467 U	0.014 U, J	0.013 U	--	0.014 U	--	0.0463 U	0.0463 U	0.013 U	--	0.463 U	0.015 J	--	0.0463 U
1 [redacted]naphthalene	28	***	280	2.31	0.01 U	0.011 U, J	0.0467 U	0.011 U, J	0.01 U	--	1.3	--	0.0463 U	0.0463 U	3.2	--	0.0661 J	1.1	--	0.624
[redacted]naphthalene	28	***	280	1.22	0.017 U	0.018 U, J	0.0467 U	0.018 U, J	0.017 U	--	2.6	--	0.0463 U	0.0463 U	5.3	--	0.638 J	2.5	--	1.21
N [redacted]alene	14	***	140	0.534	0.12	0.021 U	0.0467 U	0.022 U, J	0.056	--	0.021 U	0.23 U	0.135 J	0.135 J	**42**	0.23 U	0.143 J	**68**	2.7	**21.3**
Phenanthrene	210	***	2,100	0.0463 U	0.014 U	0.016 U	0.0467 U	0.016 U, J	0.014 U	--	0.038 J	--	0.0463 U	0.0463 U	0.014 U	--	0.0463 U	0.037 J	--	0.0463 U
Pyrene	210	***	2,100	--	0.011 U	0.012 U		0.012 U	0.011 U	--	0.040 J	--	--	--	0.011 U	--		0.011 U	--	
TRPHs (µg/L)																				
TPH (C_5 - C_{40})	5,000	***	50,000	157 U	180 U	180 U	157 U	180 U	180 U	--	3,700	--	210 J	210 J	**8,900**	--	159 U	**6,300**	--	**1,270**
Metals (µg/L)																				
Aluminum **	200	7,000	2,000	--	75 U	188	--	109	75 U	--	75 U	--	--	--	**262**	--	--	75 U	--	--
Arsenic *	10	***	100	--	3 U	3 U	--	3 U	3 U	--	3 U	--	--	--	3 U	--	--	3 U	--	--
Barium *	2,000	***	20,000	--	67.9	41.4	--	46.9	83	--	14.8	--	--	--	58.4	--	--	15.9	--	--
Calcium	***	***	***	--	21,900	13,200	--	50,500	6,130	--	18,000	--	--	--	17,100	--	--	17,700	--	--
Cobalt	420	***	1,400	--	5 U	5 U	--	5 U	5 U	--	5 U	--	--	--	5.4	--	--	5 U	--	--
Chromium (total) *	100	***	1,000	--	3.4	28.7	--	6.8	8.8	--	5.6	--	--	--	14.6	--	--	4.8	--	--
Copper **	1,000	1,000	10,000	--	5 U	13.6	--	5 U	5 U	--	5 U	--	--	--	5 U	--	--	5 U	--	--
Iron**	300	4,200	3,000	--	**12,500**	**470**	--	**2,750**	**4,920**	--	**8,690**	--	--	--	**5,930**	--	--	**6,780**	--	--
Potassium	***	***	***	--	7,250	1,740	--	4,920	1,870	--	1,000 U	--	--	--	2,100	--	--	1,000 U	--	--
Magnesium	***	***	***	--	9,610	2,260	--	6,470	4,420	--	1,670	--	--	--	4,690	--	--	1,890	--	--
Manganese **	50	330	500	--	**151**	17.1	--	**342**	**130**	--	**563**	--	--	--	**1,860**	--	--	**610**	--	--
Selenium *	50	***	500	--	1.2 U	1.2 U	--	1.2 U	1.4	--	1.2 U	--	--	--	1.2 U	--	--	1.2 U	--	--
Silver **	100	35	1,000	--	1 U	1 U	--	1 U	1 U	--	1 U	--	--	--	1 U	--	--	1 U	--	--
Sodium*	160,000	***	1,600,000	--	11,400	2,830	--	7,100	4,060	--	2,680	--	--	--	3,650	--	--	2,580	--	--
Nickel	100	***	1,000	--	7	20.6	--	6.2	12.1	--	6.1	--	--	--	10.6	--	--	6.3	--	--
Lead *	15	***	150	--	0.38 U	0.68	--	0.39	0.44	--	0.73	--	--	--	0.64	--	--	0.38 U	--	--
Thallium*	2	***	20	--	0.75 U	0.75 U	--	0.75 U	0.75 U	--	0.75 U	--	--	--	0.99	--	--	0.75 U	--	--
Vanadium	49	***	490	--	5 U	5 U	--	5 U	5 U	--	5 U	--	--	--	5 U	--	--	5 U	--	--
Zinc **	5000	5,000	50,000	--	13	36.4	--	14.7	21.4	--	29.7	--	--	--	10 U	--	--	11.4	--	--
Mercury *	2	***	20	--	0.08 U	0.08 U	--	0.08 U	0.08 U	--	0.08 U	--	--	--	0.08 U	--	--	0.08 U	--	--

NOTES:
[1] Groundwater Cleanup Target Level as provided in Chapter 62-777 and Chapter 62-550, Florida Administrative Code
[2] Health Based Groundwater Cleanup Target Level as provided in Chapter 62-785, Florida Administrative Code
[3] Natural Attenuation Default Concentraions Groundwater Cleanup Target Level as provided in Chapter 62-520, Florida Administrative Code
TRPHs = Total Recoverable Petroleum Hydrocarbons
Bold indicates an exceedance of FDEP GCTLs
U=Analyte not detected above laboratory Method Detection Limit (MDL)
R = Rejected due to technical non-compliance
-- = Not applicable/not analyzed for this parameter
J = Analyte was detected at an estimated concentration
ug/L = micrograms per liter
* = Standard
** = [redacted]ry Standard
*** = [redacted]andard

Sample No. Sample Location Collect Date	FDEP GCTLs [1] (µg/L)	FDEP HB-GCTLS [2] (µg/L)	FDEP NADC CTLS [3] (µg/L)	OLFS4-MW33S-001 MW-33S 1/5/2007	OLFS4-MW34S-001 MW-34S 1/5/2007	OLFS4-MW35S-001 MW-35S 1/8/2007	OLFS4-MW35S-001-D MW-35S 1/8/2007 (Duplicate)	OLFS4-MW36S-001 MW-36S 1/5/2007	OLFS4-MW37S-001 MW-37S 8/14/2007	OLFS4-MW37S-001-D MW-37S 6/14/2007 (Duplicate)	OLFS4-MW37S MW-37S 4/14/2011	OLFS4-MW38S-001 MW-38S 6/15/2007	OLFS4-MW39S-001 MW-39S 6/16/2007	OLFS4-MW40S-001 MW-40S 6/17/2007	OLFS4-MW41S-001 MW-41S 6/11/2007	OLFS4-MW42S-001 MW-42S 8/12/2007	OLFS4-MW43S-001 MW-43S 6/13/2007
Volatile Organic Compounds (µg/L)																	
Acetone	6,300	***	63,000	1.1 U, J	2.9 U	1.5 U	1.1 U	1.1 U	6 J	8 J	–	5 J	4 J	4 J	3 U	3 J	7 J
Benzene	1	***	100	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.4 U	0.4 U	0.25 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Bromoform	4.4	***	440	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.3 U	0.3 U	–	0.3 U	0.4 J	0.3 U	0.3 U	0.3 U	0.3 U
Bromodichloromethane	0.6	***	60	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.3 U	0.3 U	–	0.3 U	0.6 J	0.3 U	0.3 U	0.3 U	0.3 U
2-Butanone	4,200	***	42,000	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	2 U	2 U	–	4 J	2 U	2 U	2 U	2 U	2 U
Carbon Disulfide	700	***	7,000	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.5 U	0.5 U	–	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chloroform	70	***	700	00.3 U	0.97 J	00.3 U	00.3 U	00.3 U	0.4 U	0.4 U	–	0.7 J	3	0.4 U	0.4 U	0.4 U	0.4 U
Chloromethane	2.7	***	270	0.4 U, J	0.4 U, J	0.4 U, J	0.4 U, J	0.4 U, J	0.6 U	0.6 U	–	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U
Cyclohexane	***	***	***	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.6 U	0.6 U	–	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U
Dibromochloromethane	0.4	***	40	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U	0.3 U	0.3 U	–	0.3 U	**0.5 J**	0.3 U	0.3 U	0.3 U	0.3 U
1,1 Dichloroethane	70	***	700	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.4 U	0.4 U	0.25 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,1 Dichloroethene	7	***	70	–	–	–	–	–	–	–	0.25 U	–	–	–	–	–	–
1,2 Dichloroethane	3	***	300	–	–	–	–	–	–	–	0.25 U	–	–	–	–	–	–
cis 1,2 Dichloroethene	70	***	700	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.3 U	0.3 U	0.25 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
trans 1,2 Dichloroethene	100	***	1,000	0.4 U	0.58 J	0.4 U	0.4 U	0.4 U	0.5 U	0.5 U	–	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Ethylbenzene	30	700	300	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U	0.4 U	0.4 U	0.25 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Isopropylbenzene	0.8	***	8	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.5 U	0.5 U	0.25 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Methyl cyclohexane	***	***	***	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.3 U	0.3 U	–	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Trichlorofluoromethane	2,100	***	21,000	0.15 U	0.15 U	0.15 U	0.15 U	0.16 J	0.4 U, J	0.4 U, J	–	0.4 U	0.4 U, J	0.4 U, J	0.4 U	0.4 U	0.4 U
Trichloroethene	3	***	300	–	–	–	–	–	–	–	0.25 U	–	–	–	–	–	–
Tetrachloroethene	3	***	300	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U	0.5 U	0.5 U	0.25 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Toluene	40	1,400	400	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.3 U	0.3 U	0.25 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Vinyl Chloride	1	***	100	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.4 U	0.4 U	–	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Total Xylenes	20	1,400	200	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	1 U	1 U	0.75 U	1 U	1 U	1 U	1 U	1 U	1 U
Semivolatile Organic Compounds (µg/L)																	
Acenaphthene	20	420	200	0.01 U	0.011 U, J	0.011 U, J	0.011 U, J	0.011 U	3 U	3 U	0.0463 U	3 U	3 U	3 U	3 U	3 U	3 U
Acenaphthylene	210	***	2,100	0.0085 U	0.0092 U, J	0.0092 U, J	0.0092 U, J	0.0092 U	3 U	3 U	–	3 U	3 U	3 U	3 U	3 U	3 U
Benzo (a) Anthracene	0.05	***	5	0.0095 U	0.011 U	0.011 U	0.011 U	0.011 U	3 U	2 U	–	2 U	3 U	3 U	3 U	3 U	3 U
Benzo (b) Fluoranthene	0.05	***	5	0.016 U	0.017 U	0.017 U	0.017 U	0.017 U	4 U	3 U	–	3 U	4 U	4 U	4 U	4 U	4 U
Benzo (k) Fluoranthene	0.5	***	50	0.013 U	0.014 U	0.014 U	0.014 U	0.014 U	5 U	5 U	–	5 U	5 U	5 U	5 U	5 U	5 U
Benzo (a) Pyrene	0.2	***	200	0.0095 U	0.01 U	0.01 U	0.01 U	0.01 U	3 U	3 U	–	3 U	3 U	3 U	3 U	3 U	3 U
Bis(2-ethylhexyl)phthalate	6	***	6,000	1.1 U	1.1 U	1 U	1.1 U	1.1 U	8 U, J	8 U, J	–	8 U, J	8 U, J	8 U, J	8 U, J	8 U, J	8 U, J
1,1 Biphenyl	0.5	350	5	1.1 U	1.1 U	1 U	1.1 U	1.1 U	3 U	3 U	–	3 U	3 U	3 U	3 U	3 U	3 U
Butylbenzylphthalate	140	***	1,400	1.1 U	1.1 U	1 U	1.1 U	1.1 U	6 U, J	6 U, J	–	6 U, J	6 U, J	6 U, J	6 U, J	6 U	6 U
Caprolactam	***	***	***	1.1 U	1.1 U, J	1 U, J	1.1 U,J	1.1 U,J	9 U	9 U	–	9 U	9 U	9 U	9 U	9 U	9 U
Chrysene	4.8	***	480	0.009 U	0.0098 U	0.0098 U	0.0098 U	0.0098 U	3 U	3 U	–	3 U	3 U	3 U	3 U	3 U	3 U
Di-n-butylphthalate	700	***	7,000	1.1 U	1.1 U	1 U	1.1 U	1.1 U	7 U	7 U	–	7 U	7 U	7 U	7 U	7 U	7 U
Fluoranthene	280	***	2,800	0.012 U	0.041 J	0.012 U	0.012 U	0.012 U	8 U	8 U	–	8 U	8 U	8 U	8 U	8 U	8 U
Fluorene	280	***	2,800	0.012 U	0.014 U, J	0.014 U, J	0.014 U, J	0.014 U	3 U	3 U	0.0463 U	3 U	3 U	3 U	3 U	3 U	3 U
1-Methylnaphthalene	28	***	280	0.01 U	0.011 U, J	0.011 U, J	0.011 U, J	0.011 U	–	–	0.0463 U	–	–	–	–	–	–
2-Methylnaphthalene	28	***	280	0.016 U	0.017 U, J	0.017 U, J	0.017 U, J	0.017 U	4 U	4 U	0.0463 U	4 U	4 U	4 U	4 U	4 U	4 U
Naphthalene	14	***	140	0.019 U	0.021 U, J	0.021 U, J	0.021 U, J	0.1	3 U	3 U	0.0463 U	3 U	3 U	3 U	3 U	3 U	3 U
Phenanthrene	210	***	2,100	0.014 U	0.015 U, J	0.015 U, J	0.015 U, J	0.015 U	3 U	3 U	0.0463 U	3 U	3 U	3 U	3 U	3 U	3 U
Pyrene	210	***	2,100	0.01 U	0.012 J	0.011 U	0.011 U	0.011 U	7 U	6 U	0.0463 U	6 U	7 U	7 U	7 U	7 U	7 U
TRPHs (µg/L)															ND		
TPH (C_8 - C_{40})	5,000	***	50,000	190 U	190 U	180 U	180 U	180 U	300 U	300 U	157 U	300 U	290 U	300 U	300 U	300 U	300 U
Metals (µg/L)																	
Aluminum **	200	7,000	2,000	144	**245**	197	**226**	75 U	65.1 J	31.3 J	–	**215 J**	116 J	**335 J**	**1,100 J**	40.2 J	**1,070 J**
Arsenic *	10	***	100	3 U	3 U	3 U	3 U	3 U	2.3 U	0.83 U	–	1.8 U	0.83 U	1.4 U	0.95 U	0.85 U	2 U
Barium *	2,000	***	20,000	15 J	18.9	13.3	13.2	27.6	62.1	61.8	–	48.4	30.5	16.6	16.4	16.8	74.6
Calcium	***	***	***	15,100	22,300	18,500	18,600	28,200	4,180	4,290	–	10,200	11,000	2,450	3,080	14,700	47,400
Cobalt	420	***	1,400	5 U	9.8	5 U	5 U	5 U	6.3	7	–	11.8	2.5	3.1	3.6	1.7	5.4
Chromium (total) *	100	***	1,000	25.7	18	14.6	15.9	6.4	5.4	2.8	–	6.2	9.3	22.1	3.5	1.5 U	3.1
Copper **	1,000	1,000	10,000	11.3 J	5 U	5.1	5 U	5 U	4.9 U	3.8 U	–	4.2 U	2 U	13.6 U	9.7 U	0.93 U	9.1 U
Iron**	300	4,200	3,000	**3,550**	**3,610**	**765**	**819**	**309**	**708**	**668**	–	**1,060**	285	**608**	**1,340**	58.6	**967**
Potassium	***	***	***	1,000 U	1,370	1,000 U	1,000 U	2,800	2,010	1,940	–	2,100	1,430	545	737	814	5,520
Magnesium	***	***	***	1,710	2,400	1,800	1,790	3,440	3,860	3,980	–	2,780	1,980	789	816	1,780	6,960
Manganese **	50	330	500	**178**	**795**	**98.7**	**97.6**	12.5	**310**	**340**	–	**1,460**	**410**	**221**	**270**	**108**	**1,150**
Selenium *	50	***	500	1.2 U	1.2 U	1.2 U	1.3	1.2 U	1.5 U	1.5 U	–	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U
Silver **	100	35	1,000	1 U	1 U	1 U	1 U	1 U	0.46 U	0.46 U	–	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U
Sodium*	160,000	***	1,600,000	2,510	4,020	2,640	2,600	3,870	4,250	4,210	–	11,400	9,580	2,870	7,580	3,660	20,400
Nickel	100	***	1,000	22.4	13.2	15.7	15.6	8.3	8.7	8.3	–	6.5	9.3	12.8	2.5 U	1.6 U	2.8
Lead *	15	***	150	1.1	0.59	0.38 U	0.38 U	0.38 U	0.91 U	1.8	–	0.91 U	0.91 U	1.4	1.6	0.91 U	1.4
Thallium*	2	***	20	0.75 U	0.75 U	0.82	0.75 U	0.75 U	0.84 U	1.2 U	–	0.71 U	0.71 U	0.79 U	1.3 U	0.73 U	1.5 U
Vanadium	49	***	490	5 U	5 U	5 U	5 U	5 U	0.58 U	0.7 U	–	1 U	1 U	1.8 U	2.7	0.66 U	1.2 U
Zinc **	5000	5,000	50,000	38.8	33.7	12.5	12.9	15.3	10 U	9.7 U	–	7.4 U	4.6 U	12	12.1 J	4.9 U	8.8 U
Mercury *	2	***	20	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U	0.01 U	0.01 U	–	0.04 U	0.01 U	0.01 U	0.01 U	0.01 U	1.1

NOTES:
[1] Groundwater Cleanup Target Level as provided in Chapter 62-777 and Chapter 62-550, Florida Administrative Code
[2] Health Based Groundwater Cleanup Target Level as provided in Chapter 62-785, Florida Administrative Code
[3] Natural Attenuation Default Concentrations Groundwater Cleanup Target Level as provided in Chapter 62-520, Florida Administrative Code
TRPHs = Total Recoverable Petroleum Hydrocarbons
Bold indicates an exceedance of FDEP GCTLs
U=Analyte not detected above laboratory Method Detection Limit (MDL)
R = Rejected due to technical non-compliance
-- = Not applicable/not analyzed for this parameter
J = Analyte was detected at an estimated concentration
µg/L = micrograms per liter
* = Primary Standard
** = Secondary Standard
*** = No Standard

R:\0389\Site 4\Figures\0389FG003.dwg 06/09/11 ND PIT

ANALYTE	FDEP GCTL (ug/L)	FDEP HB-GCTL (ug/L)	FDEP NADC CTLS (ug/L)
BENZENE	1	N/A	100
CIS 1,2-DICHLOROETHENE	70	N/A	700
ISOPROPYLBENZENE	0.8	700	8
TOTAL XYLENES	20	1,400	200
NAPHTHALENE	14	N/A	140
ALUMINUM	50-200**	7,000**	2,000**
TOTAL CHROMIUM	100	N/A	1,000
IRON	300**	4,200**	3,000**
MANGANESE	50**	330**	500**
NICKEL	100	N/A	1,000

* = NO TOTAL CHROMIUM VALUE AVAILABLE, SUBSTITUTE CR+++ VALUE
** = NO FDEP GCTL, EPA SECONDARY GROUNDWATER STANDARD USED.

MW-037S (55-65) 6/19/07
ALUMINUM 65.1 J ug/L
IRON 708 ug/L
MANGANESE 310 ug/L

MW-27S (40-55) 1/7/07
ALUMINUM 188 J ug/L
IRON 470 ug/L

MW-24S (40-55) 1/6/07
ALUMINUM 204 ug/L
IRON 592 ug/L
MANGANESE 98 ug/L

835

MW-08S (40-55) 12/7/06
ALUMINUM 755 ug/L
IRON 2040 ug/L
MANGANESE 400 ug/L

MW-15S (40-55) 1/4/07
ALUMINUM 172 ug/L
IRON 984 ug/L
MANGANESE 265 ug/L

MW-05S (40-55) 12/7/06
BENZENE 4.9 ug/L
CIS 2,3-DICHLOROETHENE 77 ug/L
ISOPROPYLBENZENE 1.5 ug/L
TOTAL XYLENES 21 ug/L
NAPHTHALENE 20 ug/L
ALUMINUM 752 ug/L
IRON 3470 ug/L
MANGANESE 495 ug/L

807

MW-25S (40-55) 1/6/07
ALUMINUM 1440 ug/L
IRON 4030 ug/L
MANGANESE 68.7 ug/L

⊕MW04D

MW-09S (37-52) 1/6/07
IRON 8530 ug/L
MANGANESE 847 ug/L

MW-07S (40-55) 12/8/06
ALUMINUM 790 ug/L
CHROMIUM 103 ug/L
IRON 7550 ug/L
MANGANESE 816 ug/L

MW-14D (75-80) 1/8/07
BENZENE 12 ug/L
IRON 664 ug/L
MANGANESE 67.2 ug/L

MW-01D2 (125-130) 1/6/07
ALUMINUM 336 ug/L
CHLOROFORM 0.49 J ug/L
IRON 705 ug/L
MANGANESE 54 ug/L

MW-02D (75-80) 1/6/07
ALUMINUM 140 ug/L
IRON 2816 ug/L
MANGANESE 78.5 ug/L

MW-03S (40-60) 12/6/06
ALUMINUM 180 ug/L
IRON 962 ug/L
MANGANESE 235 ug/L

806

MW-06S (40-55) 12/6/06
ALUMINUM 1510 ug/L
IRON 8870 ug/L
MANGANESE 590 ug/L
NICKEL 179 ug/L

2403

KEY:
SAMPLE ID (SCREEN) DATE
ANALYTE RESULT

LEGEND:
- ⊕ SHALLOW MONITORING WELL
- ⊕ DEEP MONITORING WELL
- ug/L MICROGRAMS PER LITER
- J ESTIMATED CONCENTRATION

0 60 120
GRAPHIC SCALE IN FEET

DRAWN BY / DATE	BH 5/7/09
CHECKED BY / DATE	
REVISED BY / DATE	
SCALE	AS NOTED

NAVFAC

BUILDING 807
MONITORING WELL EXCEEDANCES 2007
SITE 4 SITE ASSESSMENT REPORT
SAUFLEY FIELD
PENSACOLA, FLORIDA

CONTRACT NO.	0389
APPROVED BY / DATE	
DRAWING NO.	FIGURE 4-7
REV.	0

R:\0389\Site 4\Figures\0389FG005.dwg 06/09/11 ND PIT

MW-20S (30-45) 12/20/06
ALUMINUM 333 ug/L
MANGANESE 173 ug/L

MW-10D (80-85) 12/20/06
ALUMINUM 539 ug/L
IRON 1170 ug/L

MW-11S (25-40) 12/20/06
ALUMINUM 580 ug/L
IRON 1710 ug/L
MANGANESE 185 ug/L

MW-43S (41-51) 6/13/07
ALUMINUM 1070 J ug/L
IRON 967 ug/L
MANGANESE 1150 ug/L

MW-34S (25-40) 1/5/07
ALUMINUM 245 ug/L
IRON 3610 ug/L
MANGANESE 795 ug/L

MW-31S (25-40) 1/5/07
ETHYLBENZENE 35 ug/L
ISOPROPYLBENZENE 28 ug/L
TOTAL XYLENES 24 ug/L
NAPHTHALENE 42 ug/L
TRPH 8900 ug/L
ALUMINUM 262 ug/L
IRON 5930 ug/L
MANGANESE 1860 ug/L
1,1-BIPHENYL 1.1 J ug/L

MW-33S (25-40) 1/5/07
ALUMINUM 144 J ug/L
IRON 3550 ug/L
MANGANESE 178 ug/L

MW-21S (30-45) 1/7/07
ALUMINUM 333 ug/L
IRON 351 ug/L
MANGANESE 283 ug/L

MW-42S (36-46) 6/12/07
MANGANESE 108 ug/L

MW-30S (25-40) 1/4/07
ISOPROPYLBENZENE 39 ug/L
IRON 8690 ug/L
MANGANESE 563 ug/L

MW-32S (25-40) 1/5/07
ETHYLBENZENE 110 ug/L
ISOPROPYLBENZENE 80 ug/L
TOTAL XYLENES 840 ug/L
NAPHTHALENE 68 ug/L
TRPH 6300 ug/L
IRON 6780 ug/L
MANGANESE 610 ug/L

MW-35S (25-40) 1/8/07
ALUMINUM 197 ug/L
IRON 765 ug/L
MANGANESE 98.7 ug/L

MW-29D (75-80) 1/5/07
IRON 4920 ug/L
MANGANESE 130 ug/L

MW-36S (25-40) 1/5/07
IRON 309 ug/L

MW-44S (45-55) 6/13/07
ALUMINUM 73.2 J ug/L
MANGANESE 1160 ug/L

MW-45S (51-61) 6/15/07
ALUMINUM 366 J ug/L
IRON 624 ug/L
MANGANESE 1190 ug/L

MW-46S (46-56) 6/16/07
ALUMINUM 494 ug/L
CHROMIUM 330 ug/L
IRON 2080 ug/L
MANGANESE 1120 ug/L
NICKEL 174 ug/L

MW-28S (30-45) 1/8/07
ALUMINUM 109 ug/L
IRON 2750 ug/L
MANGANESE 342 ug/L

MW-26D (30-45) 1/5/07
IRON 12500 ug/L
MANGANESE 151 ug/L

809, 810, 810E, 838, 24787, MW13S, MW12S, 830, 829, 826, 801, 2440, 2483, 24777, 802

ANALYTE	FDEP GCTLS (ug/L)	FDEP HB-GCTLS (ug/L)	FDEP NADC CTLS (ug/L)
TRPH	5000	N/A	50,000
ETHYLBENZENE	30	700	300
ISOPROPYLBENZENE	0.8	700	8
TOTAL XYLENES	20	1,400	200
NAPHTHALENE	14	N/A	140
ALUMINUM	50-200**	7,000**	2,000**
TOTAL CHROMIUM	100	N/A	1,000
IRON	300**	4,200**	3,000**
MANGANESE	50**	330**	500**
NICKEL	100	N/A	1,000
1,1-BIPHENYL	0.5	350	5

* = NO TOTAL CHROMIUM VALUE AVAILABLE, SUBSTITUTE CR+++ VALUE
** = NO FDEP GCTL, EPA SECONDARY GROUNDWATER STANDARD USED.

KEY:

SAMPLE ID (SCREEN) DATE
ANALYTE RESULT

LEGEND:

VOC's EXCEEDANCES OF FLORIDA GCTL (APPROXIMATE)
SHALLOW MONITORING WELL
DEEP MONITORING WELL
ug/L MICROGRAMS PER LITER
J ESTIMATED CONCENTRATION

0 120 240
GRAPHIC SCALE IN FEET

DRAWN BY BH	DATE 5/28/09
CHECKED BY	DATE
REVISED BY	DATE
SCALE AS NOTED	

NAVFAC

BUILDING 809 AND 810
MONITORING WELL EXCEEDANCES AND APPROXIMATE VOC EXCEEDANCE CONTOUR
2007
SITE 4 SITE ASSESSMENT REPORT
SAUFLEY FIELD
PENSACOLA, FLORIDA

CONTRACT NO. 0389
APPROVED BY DATE
DRAWING NO. FIGURE 4-9
REV. 0

P:\GIS\SAUFLEY_OLF\MAPDOCS\MXD\SITE04_TAG_MAP.MXD 09/29/10 JEE

Parameter	GCTL
Benzene	1 µg/l
Cis-1,2-dicloroethene	70 µg/l
Ethylbenzene	30 µg/l
Isopropylbenzene	0.8 µg/l
Total Xylenes	20 µg/l
Naphthalene	14 µg/l

MW05S
Volatile Organics (ug/L)

BENZENE	91
CIS-1,2-DICHLOROETHENE	910
ETHYLBENZENE	54
ISOPROPYLBENZENE	21
NAPHTHALENE	310
TOTAL XYLENES	200

MW32S
Volatile Organics (ug/L)

ISOPROPYLBENZENE	1.1

MW41S, MW40S, MW18S, MW17S, MW20S, MW21S, MW13S, MW15S, MW16S, MW24S, MW19S, MW12S, MW27S, MW37S, MW38S, MW11S, MW34S, MW08S, MW09S, MW07S, MW25S, MW28S, MW31S, MW33S, MW42S, MW03S, MW06S, MW44S, MW28S, MW30S, MW46S, MW45S, MW36S, MW35S

Sprague Ave, Varnum St, Palmer St, Airfield Patrol Rd, McKinnon St, Barin St, Raby Ave, Easterwood St, Sprague Ave

N

250 0 250 Feet

Legend

- Monitoring Well Sampled in 2010 for Selected Metals (Chromium and Nickel)
- Monitoring Well Sampled in 2010 for Selected VOCs and SVOCs (Benzene, cis-1,2-Dichloroethene, Ethylbenzene, Total Xylene, Isopropylbenzene & Naphthalene)
- Other Monitoring Well
- Building
- Fence Line
- Curb or Sidewalk
- Installation Boundary

All locations IDs begin with "OLFS4."

DRAWN BY	J. ENGLISH
DATE	08/30/10
CHECKED BY	F. LESESNE
DATE	09/29/10
REVISED BY	
DATE	
SCALE	AS NOTED

NAVFAC

MONITORING WELL EXCEEDANCES
JUNE 2010
SITE 4 SITE ASSESSMENT REPORT
SAUFLEY FIELD
PENSACOLA, FLORIDA

CONTRACT NUMBER

APPROVED BY / DATE

APPROVED BY / DATE

Figure 4-10 REV 0

P:\GIS\SAUFLEY_OLF\MAPDOCS\MXD\SITE04_EXCEEDANCE_TAGS.MXD 06/08/11 JEE

Parameter	GCTL
BENZENE	1 ug/L
CIS-1,2-DICHLOROETHENE	70 ug/L
ETHYLBENZENE	30 ug/L
ISOPROPYLBENZENE	0.8 ug/L
TOTAL XYLENES	20 ug/L
1-METHYLNAPHTHALENE	28 ug/L
2-METHYLNAPHTHALENE	28 ug/L
NAPHTHALENE	14 ug/L
TPH (C08-C40)	5000 ug/L
ALUMINUM	200 ug/L
IRON	300 ug/L
MANGANESE	50 ug/L

N

MW41S
MW40S
MW18S
MW17S
MW24S
MW-15
MW16S
MW19S
MW38S
MW20S
MW21S
MW13S
MW12S
MW11S
MW43S
MW34S
MW44S
MW33S
MW42S
MW28S
MW45S
MW36S
MW35S
MW06S

Sprague Ave
Palmer St
McKinnon St
Barn St
Raby Ave
Easterwood St

OLFS4-MW27S - NO EXCEEDANCES

OLFS4-MW08S - NO EXCEEDANCES

OLFS4-MW37S - NO EXCEEDANCES

OLFS4-MW02D - NO EXCEEDANCES

OLFS4-MW03S
VOLATILES (UG/L)
BENZENE 1.3

OLFS4-MW14D & DUP - NO EXCEEDANCES

OLFS4-MW04D - NO EXCEEDANCES

OLFS4-MW09S - NO EXCEEDANCES

OLFS4-MW05S
VOLATILES (UG/L)

BENZENE	95.6
CIS-1,2-DICHLOROETHENE	813
ETHYLBENZENE	86.5
ISOPROPYLBENZENE	33.6
TOTAL XYLENES	307
POLYCYCLIC AROMATIC HYDROCARBONS (UG/L)	
1-METHYLNAPHTHALENE	126
2-METHYLNAPHTHALENE	166
NAPHTHALENE	264
PETROLEUM HYDROCARBONS (UG/L)	
TPH (C08-C40)	9410

OLFS4-MW25S & DUP - NO EXCEEDANCES

OLFS4-MW07S
VOLATILES (UG/L)

ISOPROPYLBENZENE	3.53
POLYCYCLIC AROMATIC HYDROCARBONS (UG/L)	
1-METHYLNAPHTHALENE	45.6
2-METHYLNAPHTHALENE	32.9

OLFS4-MW46S
METALS (UG/L)

ALUMINUM	296
IRON	13400
MANGANESE	598

OLFS4-MW46S (DUP)
METALS (UG/L)

ALUMINUM	280
IRON	13600
MANGANESE	608

OLFS4-MW31S - NO EXCEEDANCES

OLFS4-MW29D - NO EXCEEDANCES

OLFS4-MW32S
VOLATILES (UG/L)

ISOPROPYLBENZENE	18.5
TOTAL XYLENES	163
POLYCYCLIC AROMATIC HYDROCARBONS (UG/L)	
NAPHTHALENE	21.3

OLFS4-MW30S
VOLATILES (UG/L)
ISOPROPYLBENZENE 7.3

Legend
- Monitoring Well
- Fence Line
- Curb or Sidewalk

All locations IDs begin with "OLFS4."

200 0 200 Feet

DRAWN BY	DATE
S. STROZ	06/08/11
CHECKED BY	DATE
A. IGOE	06/08/11
REVISED BY	DATE
—	—
SCALE	
AS NOTED	

NAVFAC

MONITORING WELL EXCEEDANCES
APRIL 2011
SITE 4 SITE ASSESSMENT REPORT
SAUFLEY FIELD
PENSACOLA, FLORIDA

CONTRACT NUMBER	
APPROVED BY	DATE
—	—
APPROVED BY	DATE
—	—
FIGURE NO.	REV
FIGURE 4-11	0

4.5.1 Volatile Organics

In groundwater samples collected at Site 4, 24 VOCs were detected. Additionally, five VOCs (benzene, cis-1,2-dichloroethene, ethylbenzene, isopropylbenzene, and total xylenes) were detected at concentrations meeting or exceeding their Florida CTLs. The following provides a summary of the analytes detected in the groundwater sampling events.

- Benzene was detected at concentrations greater than its Florida CTL of 1 micrograms per liter (µg/L) at one screen point sample location, OLFS4-DPW01-G53-55 (26 µg/L), and in the groundwater sample collected from monitoring well OLFS4-MW05S (95.6 µg/L). A groundwater sample collected in 2007 from monitoring well OLFS4-MW14D contained benzene at a concentration of 12 µg/L; however, a groundwater sample collected in 2011 was non-detect. The detected concentrations of benzene were less than its NADC of 100 µg/L.

- cis-1,2-Dichloroethene was detected at a concentration greater than its Florida CTL of 70 µg/L at one screen point sample location, OLFS4-DPW01-G53-55 (350 µg/L), and in the groundwater sample collected from monitoring well OLFS4-MW05S (813 µg/L). The detected concentrations of cis-1,2-dichloroethene were less than its NADC of 700 µg/L.

- In 2007, dibromochloromethane was detected at a concentration greater than its Florida CTL of 0.4 µg/L in the groundwater sample collected from monitoring well OLFS4-MW39S-001 (0.6 µg/L, estimated). Dibromochloromethane was detected in the groundwater sample at a concentration less than its NADC of 40 µg/L.

- Ethylbenzene was detected at a concentration greater than its Florida CTL of 30 µg/L in a groundwater sample collected from monitoring well OLFS4-MW15S (86.5 µg/L). In 2007, groundwater samples from monitoring wells OLFS4-MW31S and OLFS4-MW32S contained ethylbenzene at concentrations of 35 µg/L and 110 µg/L, respectively, which exceeded its Florida CTL. However, in 2011, ethylbenzene was not detected in the groundwater sample from monitoring well OLFS4-MW31S and had decreased to 26 µg/L in the groundwater sample from monitoring well OLFS4-MW32S. The detected concentrations of ethylbenzene were less than its NADC of 300 µg/L.

- Isopropylbenzene was detected at concentrations greater than its Florida CTL of 0.8 µg/L at two screen point sample locations OLFS4-DPW01-G53-55 (1.9 µg/L, estimated) and OLFS4-DPW24-G30-31 (3.8 µg/L), and in groundwater samples collected from five monitoring wells: OLFS4-MW05S (33.6 µg/L), OLFS4-MW07S (3.53 µg/L) OLFS4-MW30S (7.3 µg/L), OLFS4-MW31S-001 (28 µg/L), and OLFS4-MW32S-001 (18.5 µg/L). A groundwater sample collected in 2007 from monitoring well OLFS4-MW31S contained isopropylbenzene at a concentration of 28 µg/L,

but was not detected in a groundwater sample collected in 2011. Detected concentrations of isopropylbenzene exceeded its NADC of 8 µg/L in groundwater samples from monitoring wells OLFS4-MW05S (33.6 µg/L), MW31S-001 (28 µg/L), and OLFS4-MW32S-001 (18.5 µg/L), and in 2007 from monitoring well OLFS4-MW31S (28 µg/L).

- Total xylenes were detected at a concentration greater than its Florida CTL of 20 µg/L at one screen point sample location, OLFS4-DPW01-G53-55 (39 µg/L), and in groundwater samples collected from monitoring wells OLFS4-MW05S (307 µg/L), OLFS4-MW31S-001 (24 µg/L), and OLFS4-MW32S (163 µg/L). Detected concentrations of total xylenes exceeded its NADC of 200 µg/L in groundwater samples from monitoring well OLFS4-MW05S (307 µg/L).

4.5.2 Semivolatile Organics

During groundwater sampling at Site 4, four SVOC compounds (1-methylnaphthalene, 2-methylnaphthalene, naphthalene, and 1,1-biphenyl) were detected at concentrations greater than their Florida CTLs.

- 1-Methylnaphthalene was detected at concentrations greater than its Florida CTL of 28 µg/L in groundwater samples collected from monitoring wells OLFS4-MW05S (126 µg/L) and OLFS4-MW07S (45.6 µg/L). The detected concentrations of 1-methylnaphthalene were less than its NADC of 280 µg/L.

- 2-Methylnaphthalene was detected at concentrations greater than its Florida CTL of 28 µg/L in groundwater samples collected from monitoring wells OLFS4-MW05S (166 µg/L) and OLFS4-MW07S (32.9 µg/L). The detected concentrations of 2-methylnaphthalene were less than its NADC of 280 µg/L.

- Naphthalene was detected at concentrations greater than its Florida CTL of 14 µg/L in groundwater samples collected from monitoring wells OLFS4-MW05S (264 µg/L) and OLFS4-MW32S (21.3 µg/L). A groundwater sample collected in 2007 from monitoring well OLFS4-MW31S contained naphthalene at a concentration 28 µg/L, but was not detected in the groundwater sample collected in 2011. The concentration of naphthalene detected in the groundwater sample from monitoring well OLFS4-MW05S (264 µg/L) exceeded its NADC of 140 µg/L.

- In 2007, 1,1-biphenyl was detected at a concentration greater than its Florida CTL of 0.5 µg/L in the groundwater sample collected from monitoring well OLFS4-MW31S (1.1 µg/L, estimated). The detected concentrations of 1,1-biphenyl was less than its NADC of 280 µg/L.

4.5.3 TRPH

TRPH was detected in a groundwater sample collected in 2011 from one monitoring well (OLFS4-MW05S [9,410 µg/L]) at a concentration that exceeded its Florida CTL of 5,000 µg/L. Groundwater samples collected in 2007 from monitoring wells OLFS4-MW31S and OLFS4-MW32S contained TRPH at concentrations of 8,900 µg/L and 6,300 µg/L, which exceeded its Florida CTL of 5,000 µg/L. However, TRPH was not detected in the groundwater sample collected in 2011 from monitoring well OLFS4-MW31S, but was detected in the groundwater sample from monitoring well OLFS4-MW32S at 1,270 µg/L, which is less than its Florida CTL of 5,000 µg/L . The detected concentrations of TRPH were less than its NADC of 50,000 µg/L.

4.5.4 Pesticides and PCBs

Pesticides and PCBs were not detected in the groundwater samples collected from the monitoring wells at Site 4.

4.5.5 Inorganics

In groundwater samples collected at Site 4, five analytes (aluminum, chromium, iron, manganese, and nickel) were detected at concentrations exceeding their Florida CTLs. The other target inorganic analytes (arsenic, barium, calcium, cobalt, copper, lead, magnesium, potassium, selenium, silver, sodium, lead, thallium, vanadium, and zinc) were either detected at concentrations less than their Florida CTLs or are considered nutrients. Analytes detected at concentrations greater than their CTLs are discussed below.

In 2007, groundwater samples collected from seven monitoring wells contained chromium at concentrations exceeding its Florida CTL of 100 µg/L. The monitoring well locations and detected concentrations are as follows: OLFS4-MW06S (349 µg/L), OLFS4-MW07 (103 µg/L), OLFS4-MW16S (120 µg/L), OLFS4-MW17S (138 µg/L), OLFS4-MW18S (139 µg/L), OLFS4-MW19S (855 µg/L), and OLFS4-MW46S (330 µg/L). The detected concentrations of chromium were less than its NADC of 1,000 µg/L. Groundwater samples were collected from the aforementioned monitoring wells in 2010 (monitoring well OLFS4-MW46S was sampled in 2011) and the detected chromium concentrations were less than its Florida CTL of 100 µg/L.

In 2007, analytical results from groundwater samples collected from three monitoring wells, OLFS4-MW06S (179 µg/L), OLFS4-MW19S (438 µg/L), and OLFS4-MW46S (174 µg/L) contained concentrations of nickel exceeding its Florida CTL of 100 µg/L, but were less than its NADC of 1,000 µg/L. Groundwater samples were collected from the monitoring wells in 2010 (monitoring well OLFS4-MW46S was sampled in 2011) and the detected nickel concentrations were less than its Florida CTL of 100 µg/L.

Each of the groundwater samples collected in 2010 and 2011 had turbidity measurements less than 10 NTUs. Based on the laboratory analytical results for the June 2010, chromium and nickel were less than their Florida CTLs. Interpretation of the 2007, 2010, and 2011 turbidity and laboratory analytical results suggest that the 2007 analytical results were biased by the turbidity of the samples and the exceedance of the CTLs in those samples does not accurately represent the concentrations of chromium and nickel in the aquifer at those monitoring well locations.

Iron concentrations greater than its Florida CTL of 300 µg/L were detected in groundwater samples collected from 38 monitoring wells across the site. Eleven of the analyzed samples revealed iron concentrations greater than its HB-CTL of 4,200 µg/L; however, it should be noted that the exceedances for iron were less than the site specific groundwater background screening concentration of 34,500 µg/L. Sample designations and iron concentrations are provided in Table 4-10.

TABLE 4-10

IRON CONCENTRATIONS IN GROUNDWATER
SITE 4 SITE ASSESSMENT REPORT
SAUFLEY FIELD
PENSACOLA, FLORIDA

SAMPLE DESIGNATION	CONCENTRATION (µg/L)		SAMPLE DESIGNATION	CONCENTRATION (µg/L)
OLFS4-MW01D-001	**705**		OLFS4-MW25S-001	**4,030**
OLFS4-MW02D-001	**2,810**		OLFS4-MW26D-001	**12,500 ****
OLFS4-MW03S-001	**962**		OLFS4-MW27S-001	**470**
OLFS4-MW05S-001	**3,470**		OLFS4-MW28S-001	**2,750**
OLFS4-MW06S-001	**8,870 ****		OLFS4-MW29D-001	**4,920 ****
OLFS4-MW07S-001	**7,550 ****		OLFS4-MW30S-001	**8,690 ****
OLFS4-MW08S-001	**2,040**		OLFS4-MW31S-001	**5,930 ****
OLFS4-MW09S-001	**8,530 ****		OLFS4-MW32S-001	**6,780 ****
OLFS4-MW10D-001	**1,170**		OLFS4-MW33S-001	**3,550**
OLFS4-MW11S-001	**1,710**		OLFS4-MW34S-001	**3,610**
OLFS4-MW13S-001	**719**		OLFS4-MW35S-001	**765**
OLFS4-MW14D-001	**664**		OLFS4-MW36S-001	**309**
OLFS4-MW15S-001	**984**		OLFS4-MW37S-001	**708**
OLFS4-MW16S-001	**1,120**		OLFS4-MW38S-001	**1,060**
OLFS4-MW17S-001	**8,340 ****		OLFS4-MW40S-001	**608**
OLFS4-MW18S-001	**8,190 ****		OLFS4-MW41S-001	**1,340**
OLFS4-MW19S-001	**3,710**		OLFS4-MW43S-001	**967**
OLFS4-MW21S-001	**351**		OLFS4-MW45S-001	**624**
OLFS4-MW24S-001	**592**		OLFS4-MW46S-001	**13,400 ****
Florida CTL = 300 µg/L (F.A.C. Chapter 62-550, Table 1)				
Health Based (HB)-CTL = 4,200 µg/L (F.A.C. Chapter 62-785, Table A)				
Bold Values Exceed CTL				
****Values Exceed HB-CTL**				
No Values Exceed Background Concentration of 34,500 µg/L				

Aluminum concentrations greater than its Florida CTL of 200 µg/L were detected in groundwater samples collected from 24 monitoring wells across the site. Aluminum was detected in 12 of the 24 samples at concentrations greater than the site specific groundwater background screening concentration of 712 µg/L. However, the detected concentrations are less than its HB-CTL of 7,000 µg/L. Sample locations and concentrations are provided in Table 4-11. Groundwater laboratory analytical reports are provided in Appendix I.

TABLE 4-11

ALUMINUM CONCENTRATIONS IN GROUNDWATER
SITE 4 SITE ASSESSMENT REPORT
SAUFLEY FIELD
PENSACOLA, FLORIDA

SAMPLE DESIGNATION	CONCENTRATION (µg/L)		SAMPLE DESIGNATION	CONCENTRATION (µg/L)
OLFS4-MW01D2-001	**336**		OLFS4-MW38S-001	**215** - estimated
OLFS4-MW05S-001	**752**		OLFS4-MW40S-001	**335 - estimated**
OLFS4-MW06S-001	**1,510**		OLFS4-MW41S-001	**1,100 - estimated**
OLFS4-MW07S-001	**790**		OLFS4-MW43S-001	**1,070 - estimated**
OLFS4-MW08S-001	**755**		OLFS4-MW45S-001	**366 - estimated**
OLFS4-MW10D-001	**539**		OLFS4-MW46S-001	**296 - estimated**
OLFS4-MW11S-001	**560**			
OLFS4-MW12S-001	**309**			
OLFS4-MW13S-001	**795**			
OLFS4-MW16S-001	**761**			
OLFS4-MW17S-001	**3,110**			
OLFS4-MW18S-001	**2,690**			
OLFS4-MW20S-001	**333**			
OLFS4-MW21S-001	**333**			
OLFS4-MW24S-001	**204**			
OLFS4-MW25S-001	**1,440**			
OLFS4-MW31S-001	**262**			
OLFS4-MW34S-001	**245**			
Florida CTL = 200 µg/L (Chapter 62-550, F.A.C. Table 1)				
Health Based (HB)-CTL = 7,000 µg/L (Chapter 62-785, F.A.C. Table A)				
Bold Values Exceed CTL				
**** Values Exceed HB-CTL**				
Shaded Values Exceed Background Concentration of 712 µg/L				

Manganese concentrations greater than its Florida CTL of 50 µg/L were detected in groundwater samples collected from 39 monitoring wells. Manganese was detected in 17 of the 39 samples at concentrations exceeding its HB-CTL value of 330 µg/L. However, none of the detected concentrations exceed the site specific manganese background screening concentration of 2,790 µg/L. Sample designations and concentrations are provided in Table 4-12.

TABLE 4-12

**MANGANESE CONCENTRATIONS IN GROUNDWATER
SITE 4 SITE ASSESSMENT REPORT
SAUFLEY FIELD
PENSACOLA, FLORIDA**

SAMPLE DESIGNATION	CONCENTRATION (µg/L)		SAMPLE DESIGNATION	CONCENTRATION (µg/L)
OLFS4-MW01D2-001	**54**		OLFS4-MW26D-001	**151**
OLFS4-MW02D-001	**78.5**		OLFS4-MW28S-001	**342 ****
OLFS4-MW03S-001	**235**		OLFS4-MW29D-001	**130**
OLFS4-MW05S-001	**495 ****		OLFS4-MW30S-001	**563 ****
OLFS4-MW06S-001	**590 ****		OLFS4-MW31S-001	**1,860 ****
OLFS4-MW07S-001	**816 ****		OLFS4-MW32S-001	**610 ****
OLFS4-MW08S-001	**400 ****		OLFS4-MW33S-001	**178**
OLFS4-MW09S-001	**847 ****		OLFS4-MW34S-001	**795 ****
OLFS4-MW11S-001	**185**		OLFS4-MW35S-001	**98.7**
OLFS4-MW13S-001	**332 ****		OLFS4-MW37S-001	**310**
OLFS4-MW14D-001	**67.2**		OLFS4-MW38S-001	**1,460 ****
OLFS4-MW15S-001	**265**		OLFS4-MW39S-001	**410 ****
OLFS4-MW16S-001	**310**		OLFS4-MW40S-001	**221**
OLFS4-MW17S-001	**209**		OLFS4-MW41S-001	**270**
OLFS4-MW18S-001	**159**		OLFS4-MW42S-001	**108**
OLFS4-MW19S-001	**161**		OLFS4-MW43S-001	**1,150 ****
OLFS4-MW20S-001	**173**		OLFS4-MW44S-001	**1,160 ****
OLFS4-MW21S-001	**283**		OLFS4-MW45S-001	**1,190 ****
OLFS4-MW24S-001	**98**		OLFS4-MW46S-001	**598 ****
OLFS4-MW25S-001	**68.7**			
Florida CTL = 50 µg/L (Chapter 62-550, F.A.C. Table 1)				
Health Based (HB)-CTL = 330 µg/L (Chapter 62-785, F.A.C. Table A)				
Bold Values Exceed CTL				
****Values Exceed HB-CTL**				
No Values Exceed Background Concentration of 2,790 µg/L				

4.5.6 Monitored Natural Attenuation Analytical Results

Indicators of natural attenuation and the likely aerobic biodegradation of contaminants are directly measured by changes in groundwater chemistry. Indicators include the biological consumption of oxygen, nitrate, and sulfate as well as the generation of byproducts such as dissolved iron, manganese, and methane; moreover, increases in total alkalinity and carbon dioxide are also indicators of natural attenuation processes. These geochemical indicators can be used to estimate the site-specific potential for the biodegradation of contaminants within an aquifer.

During the fourth groundwater sampling event, groundwater samples from five monitoring wells (OLFS4-MW05S, OLFS4-MW09S, OLFS4-MW30S, OLFS4-MW32S, and OLFS4-MW37S) were collected and

analyzed for MNA parameters including: alkalinity, anions (chloride, nitrate, nitrite, and sulfate), dissolved gasses (hydrogen, methane, nitrogen, and carbon dioxide) both total and dissolved iron and manganese, sulfide, BOD, and COD. The results are summarized in Table 4-13.

On the western side of Site 4 (Hangar 807 Area), monitoring wells OLFS4-MW09S, OLFS4-MW05S, and OLFS4-MW37S were selected for analysis of MNA parameters. As you move from the upgradient well (OLFS4-MW09S), through the suspected source area well (OLFS4-MW05S) to the downgradient well (OLFS4-MW37S) analytical results indicate natural attenuation is occurring. Alkalinity, chloride, total iron, dissolved iron, carbon dioxide gas, and methane are increasing while BOD, COD, nitrate, and sulfate are decreasing. The lack of increasing manganese concentrations indicate the plume has not reached the manganese reduction phase. Sulfide was not detected in any of the three groundwater samples.

On the eastern side of Site 4 (Hangar 810 Area), monitoring wells OLFS4-MW32S and OLFS-MW30S were selected for analysis of MNA parameters. Analytical results indicate that natural attenuation is not occurring as strongly as in the monitoring wells on the western side of the site. However, when comparing contaminant concentrations, the concentrations on the eastern side of the site are lower indicating natural attenuation has occurred.

4.5.7 Summary

Groundwater samples collected at Site 4 were analyzed for the full suite of TCL and TAL analytes (which includes petroleum related constituents) and TRPH. Pesticides and PCBs were not detected in the groundwater samples collected from the Site 4 monitoring wells.

Six VOCs were detected at concentrations greater than their Florida CTLs (benzene, cis-1,2-dichloroethene, dibromochloromethane, ethylbenzene, isopropylbenzene, and total xylenes). Two of the VOCs were detected at concentrations greater than their Florida NADCs (isopropylbenzene and total xylenes). Two groundwater samples exceeded the Florida CTL for benzene, one groundwater sample exceeded the Florida CTL for cis-1,2-dichloroethene, one groundwater sample exceeded the Florida CTL for dibromochloromethane, two groundwater samples exceeded the Florida CTL for ethylbenzene, four groundwater samples exceeded the Florida CTL and NADC for isopropylbenzene, and three groundwater samples exceeded the CTL for total xylenes. Only one groundwater sample contained total xylenes at a concentration greater than its NADC.

TABLE 4-13

SUMMARY OF MNA PARAMETERS
SITE 4 SITE ASSESSMENT REPORT
SAUFLEY FIELD
PENSACOLA, FLORIDA

LOCATION		Hangar 807 Area			Hangar 810 Area	
SAMPLE ID	UNITS	OLFS4-MW09S	OLFS4-MW05S	OLFS4-MW37S	OLFS4-MW32S	OLFS4-MW30S
		OLFS4-MW09S	OLFS4-MW05S	OLFS4-MW37S	OLFS4-MW32S	OLFS4-MW30S
SAMPLE DATE		4/13/2011	4/14/2011	4/13/2011	4/14/2011	4/14/2011
MONITORING WELL TYPE		Upgradient	Source Area	Downgradient	Source Area	Source Area
ALKALINITY	MG/L	1 U	141	28.5	26.6	20.9
BIOCHEMICAL OXYGEN DEMAND	MG/L	2 UJ	18.9 J	2 UJ	2.19 J	2.97 J
CHEMICAL OXYGEN DEMAND	MG/L	20 U	45.7 J	20 U	20 U	20 U
CHLORIDE	MG/L	8.68	1.44	5.27	2.12	1.87
NITRATE-N	MG/L	0.542 J	0.033 UJ	1.93 J	0.923 J	0.97 J
SULFATE	MG/L	38.6	2.24 J	16.7	8.05	10.1
SULFIDE	MG/L	0.678 U	0.678 U	0.678 U	0.678 U	0.678 U
TOTAL IRON	UG/L	70.5 J	37200 J	49.4 J	2140 J	2410 J
DISSOLVED IRON	UG/L	30 U	2880	30 U	1560	137
TOTAL MANGANESE	UG/L	79.6	67.5	9.25 J	5.99 J	3 U
DISSOLVED MANGANESE	UG/L	71.6	62.6	7.97 J	3.89	3 U
DISSOLVED NITROGEN GAS	MG/L	17	13	16	17	17
DISSOLVED CARBON DIOXIDE GAS	MG/L	48	170	31	29	32
DISSOLVED METHANE	UG/L	0.066 J	3600	0.16	20	24

Notes:

ug/L=micrograms per Liter

mg/L=miligrams per Liter

U=Analyte not detected above laboratory Method Detection Limit (MDL)

J=Compound was detected at an estimated concentration

There were four SVOC constituents detected greater than their Florida CTLs. Two samples had exceedances for 1-methylnaphthalene, two samples had exceedances for 2-methylnaphthalene, two samples had exceedances for naphthalene, and one sample had an exceedance for 1,1-biphenyl in 2007.

TRPH was detected in a groundwater sample 2011 at a concentration greater than its Florida CTL in only one sample from a monitoring well (OLFS4MW05S) located near Building 807. TRPH was not detected in subsurface soil samples collected in the vicinity of Building 807.

The monitoring well locations (OLFS4MW31S and OLFS4MW32S) in the vicinity of Building 810 that had groundwater samples with TRPH at concentrations greater than its Florida CTL in 2007, did not exceed the TRPH CTL in the 2011 groundwater samples. Additionally, it should be noted that two subsurface soil samples collected in the vicinity of Building 810 in 2006 contained TRPH at concentrations exceeding the leachability to groundwater SCTL. One of these subsurface soil samples was collected at the location of monitoring well OLFS4MW33S, which the groundwater sample did not contain a detectable concentration (190 µg/L U) of TRPH. Based on the decrease in concentrations of TRPH from 2007 to 2011 at monitoring well locations (OLFS4MW31S and OLFS4MW32S) and that TRPH was not detected in the groundwater sample from monitoring well OLFS4MW33S in 2007, TRPH does not currently appear to be leaching to groundwater at concentrations that exceed its CTL.

A significant variation in metals concentrations was observed in the groundwater samples collected at Site 4. More than 35 groundwater samples had exceedances of the Florida CTLs for iron, aluminum, and manganese. In 2007, various samples had exceedances for chromium and nickel, greater than Florida CTLs; however, high turbidity was suspected to be the cause of the exceedances. In the 2010 sampling event, turbidity measurements were less than 5 nephelometric turbidity units (NTUs) and chromium and nickel were not detected. In the 2011 sampling event, a groundwater sample from monitoring well OLFS4-MW46S was analyzed for aluminum, iron, chromium, manganese, and nickel. Aluminum, iron, and manganese were in exceedance of their respective CTLs; however, they are less than their site specific background concentrations and therefore can be considered naturally occurring.

A summary of the constituents that were found to currently exceed their respective CTLs for Buildings 807, 809, and 810 is listed below.

Building 807

VOCs: benzene, cis-1,2-dichloroethene, ethylbenzene, isopropylbenzene, and total xylenes
SVOCs: 1-methylnaphthalene, 2-methylnaphthalene, and naphthalene
TRPH

Buildings 809 and 810

VOCs: isopropylbenzene and total xylenes.

SVOC: Naphthalene

5.0 SUMMARY AND RECOMMENDATIONS

The purpose of this SA is to provide data to evaluate the current environmental conditions and guide the remedy selection for petroleum based contaminants present at Site 4. In order to achieve this objective, samples from subsurface soils and groundwater were collected and analyzed to characterize site conditions and evaluate the extent of contamination at the site.

5.1 SITE HYDROLOGY

The depth to groundwater at Site 4 ranges from approximately 32 to 57 feet and is somewhat a subtle reflection of the land surface topography. The groundwater flow direction in the shallow and deep aquifer zones is toward the northwest (shown on Figures 3-1 through 3-7). The estimated average groundwater velocity for the shallow zone at the site was calculated at 0.45 feet per day. A downward vertical gradient was observed in adjacent pairs of shallow and deep monitoring wells.

5.2 SOIL ASSESSMENT

After coring surface concrete or pavement, the first 4 feet of each soil investigation location were advanced using a hand auger. A majority of soil borings completed for this investigation were completed via DPT. Seven soil borings were completed using a rotosonic drill rig during monitoring well installation activities. While conducting the subsurface soil investigation, samples were collected at 2- to 4-foot intervals and were screened with a FID. Based upon FID results (included in Appendix C), at least one sample was collected from each interval for off-site laboratory analysis. The samples were analyzed for VOCs, SVOCs, TRPH, PCBs, pesticides, cyanide, and metals.

The release of contaminants at Site 4 may have resulted from routine aircraft maintenance activities, storage of materials used, and refueling activities (NEESA, 1992). The source and nature of materials, as well as the time of disposal, are undocumented.

Arsenic was detected in 10 subsurface soil samples at concentrations greater than the Florida residential direct exposure SCTL of 2.1 mg/kg. However, all of the detected concentrations were less than the Florida commercial/industrial direct exposure SCTL of 12 mg/kg. The site specific background concentration for arsenic was documented at 1.36 mg/kg. A residential direct exposure to contaminated soil is not a concern because all residential direct exposure SCTL exceedances were recovered from depth intervals ranging from 4 to 20 feet bls, which is below the depth at which a future residential exposure would likely occur and the sampling locations are under an impervious concrete cover.

Two surface soil samples collected near Building 810 exceeded the Florida residential direct exposure SCTL of 460 mg/kg for TRPH and the leachability to groundwater SCTL of 340 mg/kg. TRPH was detected at 510 mg/kg in soil sample DPW-15 collected from the 2- to 4-foot depth interval and was also detected in a soil sample collected in the 4- to 5-foot depth interval during the installation of monitoring well OLFS4-MW33S (730 mg/kg). A residential direct exposure to the TRPH contaminated soil is not a concern due to the sample depth interval being below the depth at which a future residential exposure would likely occur and that the sampling location is currently under an impervious concrete cover.
In addition to the residential direct exposure exceedance, TRPH also exceeded the leachability to groundwater SCTL in the two subsurface soil samples in the vicinity of Building 810. Although TRPH exceeded its CTL in groundwater samples collected at Building 810 in 2007, the groundwater samples collected in 2011 at this location were less than its Florida CTL. This suggests that TRPH is not currently leaching to groundwater at this location.

Two soil samples collected from borings advanced in the wash rack area adjacent to Building 810 also exceeded the leachability to groundwater criteria for 1,1-biphenyl (0.34 mg/kg) and methyl chloride (0.27 mg/kg estimated. However, 1,1-biphenyl and methyl chloride should not be a concern because they were not detected in groundwater samples collected from nearby monitoring wells.

None of the other target analytes were detected in the Site 4 subsurface soil samples at concentrations that exceed their Florida SCTLs.

5.3 GROUNDWATER ASSESSMENT

Groundwater sampling was conducted over the course of four field events. The initial groundwater sampling event at Site 4 occurred between December 2006 and January 2007. Analytical data from this event were evaluated against Florida's CTLs. Following evaluation of the initial groundwater sampling results, 10 additional wells were installed and sampled during the second event conducted in June 2007. The third groundwater sampling event was conducted in June 2010 and the fourth groundwater sampling event was conducted in April 2011.

Groundwater sampling conducted in the vicinity of Building 807 contained VOCs and SVOCs in exceedance of Florida CTLs at three monitoring well locations, OLFS4-MW05S, OLFS4-MW07S and OLFS4-MW03S, which were installed on the western side of the building. TRPH exceeded its CTL in the groundwater sample from monitoring well OLFS4-MW05S. Results from all four sampling events indicated that the VOCs, SVOCs, and TRPH found in the groundwater near the suspected source area are limited in areal extent and therefore delineation is complete.

Groundwater sampling conducted in the vicinity of Buildings 809 and 810 contained VOCs and SVOCs in exceedance of Florida CTLs at two monitoring well locations, OLFS4-MW30S and OLFS4-32S, which were installed on the eastern side of the building. Results from all four sampling events indicated that the VOCs and SVOC found in the groundwater near the suspected source area are limited in areal extent and therefore delineation is complete.

Groundwater sampling was conducted during four events in the vicinity of Buildings 807, 808, 809, and 810 and detected metals concentrations exceeded Florida CTLs. However, the detected metals concentrations are comparable to the background concentrations indicating they are most likely naturally occurring and should not be considered to have been caused by operations or a release from Site 4.

5.4 CONCLUSIONS

Exceedance of Florida's soil and groundwater CTLs were documented during assessment activities at Site 4 – Saufley Field, located in Pensacola, Florida. Potential exposure to impacted soil and groundwater is minimized by the predominant impervious surface cover and depth to groundwater in the study area. The surface cover will also minimize leaching of contaminants from impacted soil to groundwater.

Review of the data generated for the four sampling events indicates that petroleum related constituents and solvents were detected in groundwater samples collected from Site 4 shallow monitoring wells at concentrations greater than their Florida CTLs. Additionally, although aluminum, iron, and manganese were detected in groundwater samples at concentrations greater than the secondary drinking water standards, the analytical results of background groundwater samples collected in the vicinity of Site 4 indicates that the detected metals are naturally occurring and not caused by operations or a release from the Site. Based on these findings, benzene, cis-1,2-dichloroethene, ethylbenzene, isopropylbenzene, naphthalene, total xylenes, and TRPH were identified as being the primary chemicals of concern (COCs) that are limited in areal extent at Site 4. Additionally, based on the assessment findings presented herein, the delineation is considered complete and no further assessment activities are warranted. Also, based on analytical results for natural attenuation parameters results and the decrease in concentrations of the target analytes at Buildings 809 and 810, natural attenuation is occurring; therefore, Tetra Tech recommends implementing natural attenuation monitoring as the remedy for this site.

5.5 NATURAL ATTENUATION MONITORING PLAN

Pursuant to Chapter 62-770.690, the Navy is requesting natural attenuation monitoring as the remedy for groundwater at Site 4. The use of natural attenuation monitoring is appropriate for the site because free-

phase product is not present, the COCs are not migrating beyond the temporary point of compliance well locations, and the COCs are conducive to natural attenuation.

Arsenic and TRPH were identified in the subsurface soil as a COC based on their exceedance of Florida Residential Direct Exposure SCTLs, but not Florida's Industrial Direct Exposure SCTLs. The soils at Site 4 do not present unacceptable risks for current or future residential exposure because the arsenic and TRPH exceedances were at sample depths of greater than 2 feet bls where a residential exposure is not considered to occur. Although TRPH exceeds Florida's leachability to groundwater SCTL, the existing impervious concrete cover will minimize leaching of residual concentrations in soil to groundwater.

Contaminated groundwater, specifically benzene, cis-1,2-dichloroethene, isopropylbenzene, total xylenes, 1-methylnaphthalene, 2-methylnaphthalene, naphthalene, and TRPH were the only constituents that exceeded Florida CTLs. Concentrations were less than NADCs in the sampling events conducted from 2007 to 2010.

The results of the 2011 sampling event indicate that cis-1,2-dichloroethene, total xylenes, and naphthalene exceeded their NADC levels in the groundwater sample from monitoring well OLFS4-MW05S and isopropylbenzene exceeded its NADC level in the groundwater sample from monitoring well OLFS4-MW32S. Water levels decreased an average of 4 feet from 2010 to 2011 and could be a contributing factor to the increase in concentration. MNA parameters were collected from the aforementioned monitoring wells and the analytical data indicates natural attenuation is occurring.

At the present time there potable water supply wells are not located at Saufley Field and their installation is unlikely to occur in the future. Potable water is provided to Saufley Field from the NTTC Corry Station, located approximately 5.5 miles from the Site. There is currently not a complete exposure pathway for the groundwater impacted by benzene, cis-1,2-dichloroethene, isopropylbenzene, total xylenes, 1-methylnaphthalene, 2-methylnaphthalene, naphthalene, and TRPH at the facility.

Because contamination likely occurred at Site 4 as a subsurface release and that 90 percent of the site is covered by buildings or concrete, there is limited potential for exposure of ecological receptors to subsurface soil. This results in an incomplete exposure pathway for ecological receptors to be exposed to the arsenic and TRPH contaminated subsurface soil.

5.5.1 Natural Attenuation Monitoring Plan

This natural attenuation monitoring plan addresses the separate groundwater contaminated areas, the first at Building 807 and the second at Buildings 809 and 810, the following monitoring wells are proposed to be sampled on a semi-annual basis.

Building 807

Source Area Monitoring Wells	Point of Compliance (Perimeter Wells)
MW-05S	MW-08S
MW-07S	MW-09S
MW-03S	MW-25S
	MW-37S
	MW-02D

Building 810

Source Area Monitoring Wells	Point of Compliance (Perimeter Wells)
MW-30S	MW-31S
MW-32S	MW-33S
	MW-34S
	MW-35S
	MW-29D

The monitoring well locations are shown on Figures 5-1 and 5-2.

Semi-annual groundwater sampling of the designated wells should be analyzed for the following parameters:

Building 807

Benzene; cis-1,2-dichloroethene; isopropylbenzene; total xylenes; 1-methylnaphthalene; 2-methylnaphthalene; naphthalene; TRPH; and MNA parameters including alkalinity, anions (chloride, nitrate, nitrite and sulfate), dissolved gasses (hydrogen, methane, nitrogen and carbon dioxide) both total and dissolved iron and manganese, sulfide, BOD, and COD.

Buildings 809 and 810

Isopropylbenzene; total xylenes; naphthalene; and MNA parameters including alkalinity, anions (chloride, nitrate, nitrite and sulfate), dissolved gasses (hydrogen, methane, nitrogen and carbon dioxide) both total and dissolved iron and manganese, sulfide, BOD, and COD.

Prior to groundwater sampling, static water level measurements from the site monitoring wells will be recorded. Purging and sampling will be performed using low flow sampling techniques. Field instruments will be used to monitor pH, conductivity, temperature, turbidity, and dissolved oxygen during well purging. The groundwater samples will be analyzed at an off-site laboratory for the above indicated parameters as specified in Chapter 62-770, F.A.C.

5.6 REPORTING

Each semi-annual monitoring report shall summarize investigation activities at the site and will include laboratory data reports, chains of custody for the current sampling event, a cumulative summary of laboratory analytical results, site plans showing the most recent analytical results, a cumulative summary table of water level data, a map showing the most recent water level data and groundwater flow interpretation, and conclusions and recommendations.

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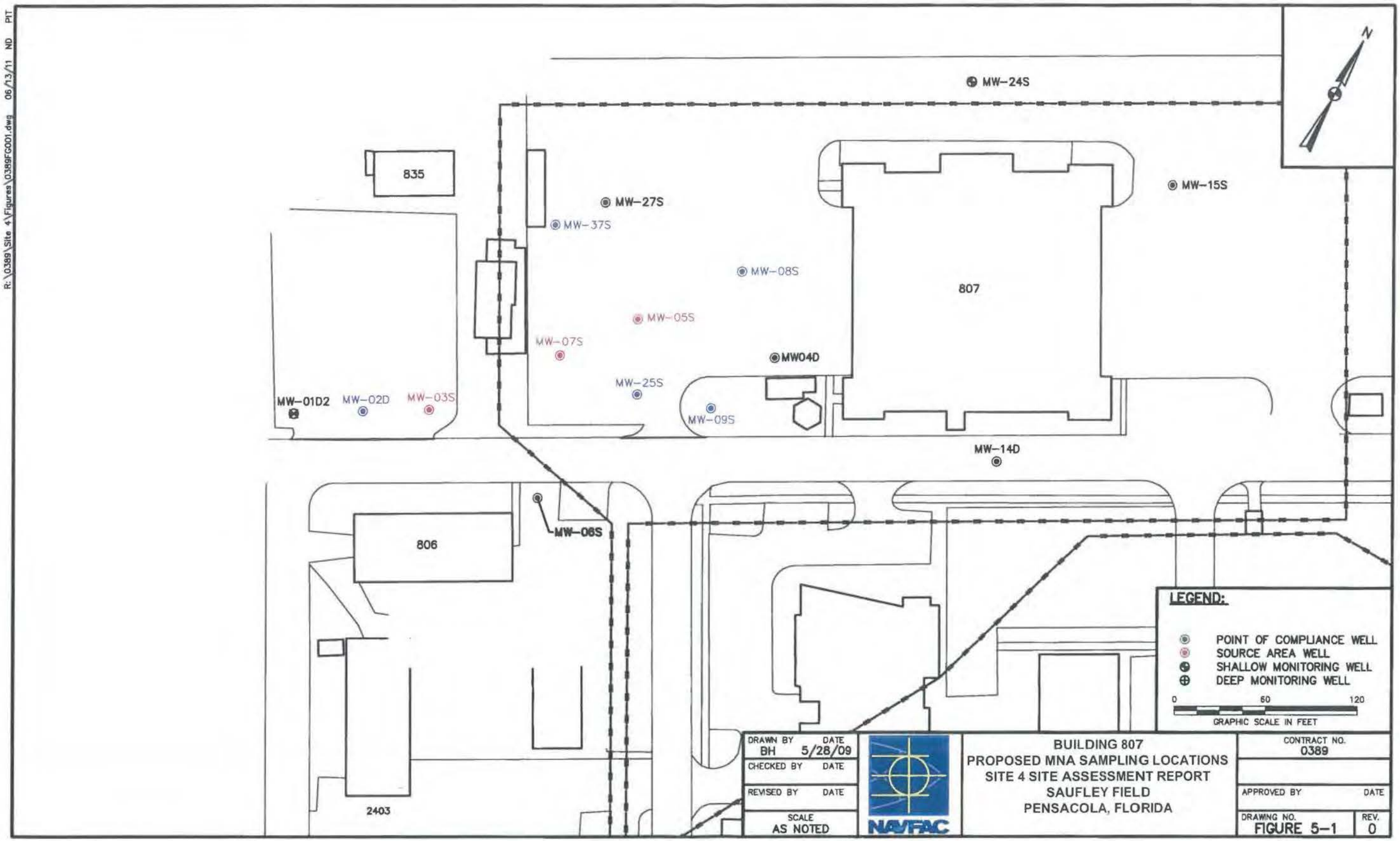

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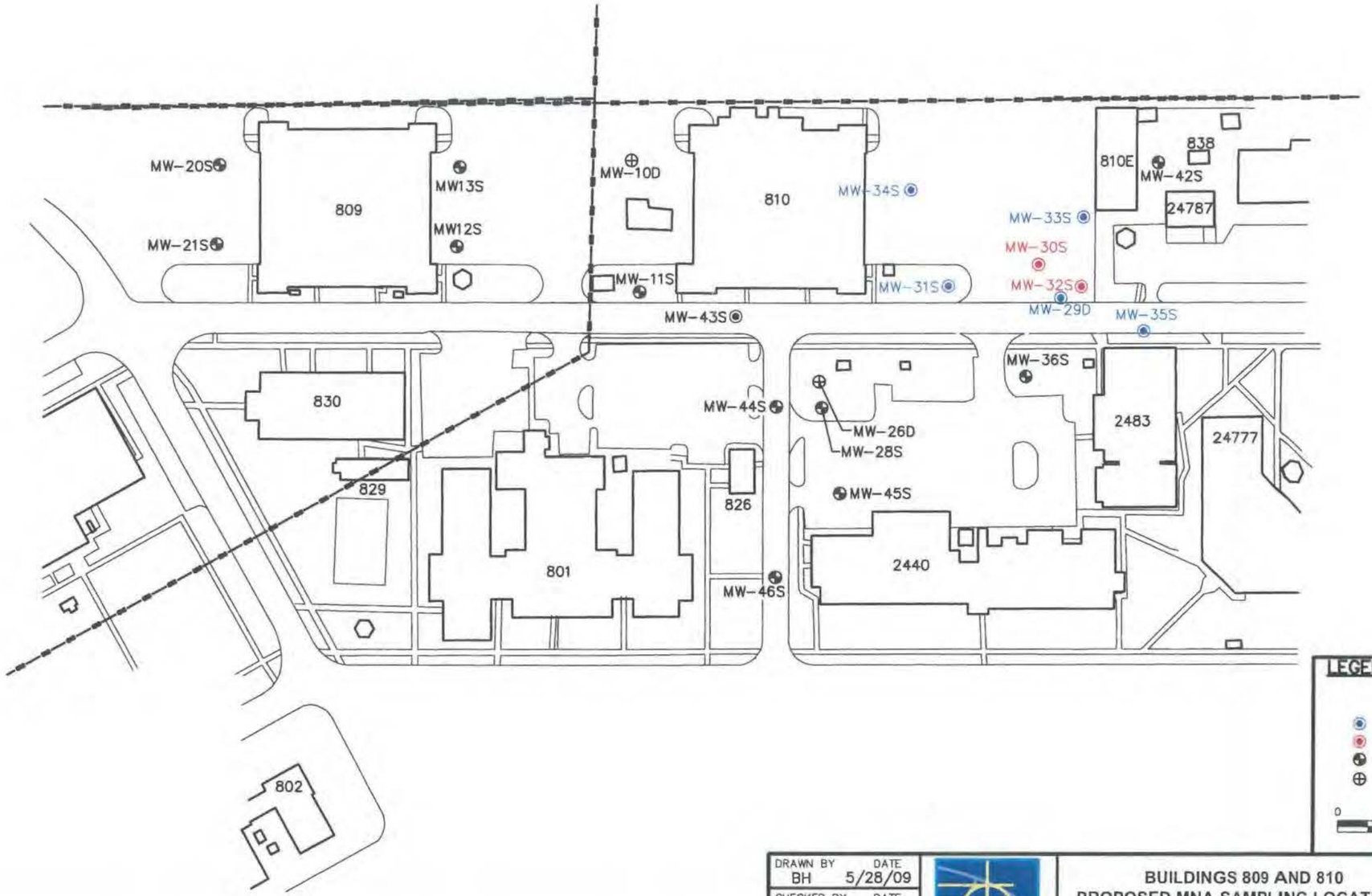

LEGEND:

- POINT OF COMPLIANCE WELL
- SOURCE AREA WELL
- SHALLOW MONITORING WELL
- DEEP MONITORING WELL

0 120 240
GRAPHIC SCALE IN FEET

DRAWN BY BH DATE 5/28/09	NAVFAC	BUILDINGS 809 AND 810 PROPOSED MNA SAMPLING LOCATIONS SITE 4 SITE ASSESSMENT REPORT SAUFLEY FIELD PENSACOLA, FLORIDA	CONTRACT NO. 0389
CHECKED BY DATE			APPROVED BY DATE
REVISED BY DATE			DRAWING NO. FIGURE 5-2 / REV. 0
SCALE AS NOTED			

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APPENDIX A

RISK ASSESSMENT STUDY RESULTS

6.0 HUMAN HEALTH RISK ASSESSMENT

This section presents the HHRA for subsurface soil and groundwater at Site 4. The objective of the risk assessment is to determine whether detected concentrations of chemicals in subsurface soil and groundwater pose significant threats to potential human receptors under current and/or future land use. The potential risks to receptors are estimated based on the assumption no further actions are taken to control contaminant releases or prevent receptor exposure.

6.1 HUMAN HEALTH RISK ASSESSMENT PROTOCOL

The following USEPA, FDEP, and Navy guidance documents and regulations were used to develop the HHRA methodology and to evaluate potential risks for each site:

- Conducting Human Health Risk Assessments under the Environmental Restoration Program, Department of the Navy, February 2001.
- Navy Policy on the Use of Chemical Background Levels, Department of the Navy, January 2004.
- Technical Report: Development of Soil Cleanup Target Levels for Chapter 62-777, FAC, FDEP, February 2005.
- State of Florida Chapter 62-780, FAC, Contaminated Site Cleanup Criteria, April 2005.
- Risk Assessment Guidance for Superfund: Volume I, Human Health Evaluation Manual (Part A), USEPA, December 1989.
- Human Health Evaluation Manual, Supplemental Guidance: Standard Default Exposure Factors, USEPA, March 1991.
- Guidance for Data Usability in Risk Assessment (Part A), USEPA, April 1992c.
- Supplemental Guidance to RAGS: Calculating the Concentration Term, USEPA, May 1992d.
- Preliminary Review Draft: Superfund's Standard Default Exposure Factors for the Central Tendency and Reasonable Maximum Exposure, USEPA, May 1993.
- Soil Screening Guidance: Technical Background Document, USEPA, July 1996.

- Exposure Factors Handbook, USEPA, August 1997b.

- Supplemental Guidance to RAGS: Region IV Bulletins, Human Health Risk Assessment, USEPA Region 4, May 2000.

- Role of Background in the CERCLA Cleanup Program, USEPA, April 2002.

- Calculating Upper Confidence Limits for Exposure Point Concentrations at Hazardous Waste Sites, USEPA, and December 2002a.

- Supplemental Guidance for Developing Soil Screening Levels for Superfund Sites, USEPA, December 2002b.

- Risk Assessment Guidance for Superfund, Volume I: Human Health Evaluation Manual (Part E, Supplemental Guidance, Dermal Risk Assessment), USEPA, July 2004.

The components of a HHRA are addressed in the following sections:

- Data Evaluation Protocol [including data usability assessment; chemical of potential concern (COPC)] selection)
- Exposure Assessment
- Toxicity Assessment
- Risk Characterization
- Uncertainty Analysis

The risk assessment presented in this report considers both USEPA and FDEP policies and guidelines available for conducting HHRAs. Quantitative risk estimates are developed for receptor exposure to subsurface soil and groundwater using the “risk-ratio” approach defined in Section 6.3.3. USEPA Region IV supports the use of this technique. Additionally, comparisons of site soil and groundwater concentrations to FDEP CTLs recommended in FDEP Chapter 62-780, FAC are provided (Section 6.6). This rule presents a phased risk-based corrective action process that is iterative and tailors site rehabilitation tasks to site-specific conditions and risks.

6.1.1 Data Evaluation Protocol

Data evaluation, the first component of a baseline HHRA, is a two-step, medium-specific task involving the compilation and evaluation of analytical data. The first step involves the compilation of the analytical

database and an evaluation of data usability for purposes of HHRA. The second step of the data evaluation is the selection of a medium-specific list of COPCs, which are used to quantitatively or qualitatively determine potential human health risks for site media. COPCs are selected primarily based on a toxicity screen (i.e., a comparison of site contaminant concentrations to conservative toxicity screening values) and a background screen (i.e., a comparison of site concentrations to background concentrations). In addition, as discussed below, factors such as frequency of detection are considered in some cases. The results of the COPC selection process are presented in Section 6.2.

6.1.1.1 Data Usability

Data collected from the field investigation were used to assess risks to potential human receptors. The data were validated according to USEPA National Validation Functional Guidelines for Organic Data Review (USEPA, 1999c), the Laboratory and Data Validation Functional Guidelines for Evaluation of Inorganic Analysis (USEPA, 1994c), and TtNUS SOPs.

Only the fixed-based analytical results from the field investigations were used in the quantitative risk evaluation. All detected concentrations with "J" qualifiers are considered positive detections and were used in the risk evaluation. Data with "U" and "UJ" qualifiers and data qualified because of blank contamination were retained and evaluated as nondetects. Field measurements and data regarded as unreliable (i.e., qualified as "R" during the data validation process) were not used in the quantitative risk assessment.

No surface soil samples (0 to 2 feet bls) were collected during the RI field investigations, consequently only subsurface soil and groundwater are evaluated in this HHRA.

6.1.1.2 Selection COPCs for Quantitative Risk Assessment

The selection of COPCs is a qualitative screening process used to limit the number of chemicals and exposure routes quantitatively evaluated in the baseline HHRA to those site-related constituents that dominate overall potential risks. Screening, primarily by risk-based concentrations and base-wide background levels, is used to focus the risk assessment on meaningful chemicals and exposure routes.

In most cases, a chemical is selected as a COPC and retained for further quantitative risk evaluation if the maximum detection in a sampled medium exceeds the selected risk-based concentration(s) (i.e., the COPC screening level) and the chemical is determined to be present at concentrations exceeding background. This second condition applies only to those chemicals for which background comparison is possible and appropriate (e.g., metals). Background data are not available for organic chemicals.

Chemicals eliminated from further evaluation at this time are assumed to present minimal risks to potential human receptors.

6.1.1.2.1 COPC Screening Levels

Several types of screening concentrations were used to identify COPCs for subsurface soil and groundwater at Site 4. The screening concentrations are as follows:

Soil

Screening concentrations based on the following criteria were used to select COPCs for subsurface soil:

- USEPA Region 9 PRGs for Residential Soil (USEPA Region 9, October 2004b)
- Florida SCTLs for Direct Contact (FDEP, April 2005b)
- Florida SCTLs for Leachability Based on Groundwater Criteria (FDEP, April 2005b)

Groundwater

Screening concentrations based on the following USEPA and State of Florida criteria were used to select COPCs for groundwater:

- USEPA Region 9 PRGs for Tap Water (USEPA Region 9, October 2004b). The Region 9 Tap Water PRGs are based on the cumulative effects of ingestion, dermal contact, and inhalation (for volatiles).
- USEPA Maximum Contaminant Levels (MCLs) (USEPA, August 2006)
- Florida Groundwater Cleanup Target Levels (CTLs) (FDEP, April 2005b). The Florida Groundwater CTLs are based on ingestion only. Note that some the Groundwater CTLs are calculated risk-based values while others are standards such as primary and secondary MCLs.

Most of the Region 9 PRGs and State of Florida SCTLs are based on a Hazard Quotient (HQ) of 1.0 (i.e., a no adverse non-carcinogenic effect level) or a cancer risk level of 1×10^{-6} (i.e., a one-in-one million probability of developing cancer), but are adjusted (lowered) to reflect cumulative risk issues (e.g., Region 9 PRGs are typically adjusted to reflect a HQ of 0.1).

In the risk assessment conducted according to USEPA methodology, the screening levels for both carcinogens and non-carcinogens were developed using the guidance provided in the USEPA Region 4 Human Health Risk Assessment Bulletins -- Supplement to RAGS (USEPA Region 4, May 2000). In this approach, the risk-based USEPA Region 9 screening concentrations correspond to a HQ of 0.1 (for noncarcinogens) or an incremental lifetime cancer risk (ILCR) of 1×10^{-6} (for carcinogens). The Region 9 PRG values for noncarcinogens were multiplied by 0.1 to account for potential cumulative effects of several chemicals affecting the same target area or producing the same adverse non-carcinogenic health effect.

Toxicity values for several chemicals have changed since the USEPA Region 9 PRG table was last updated in December 2004. For those chemicals with outdated toxicity criteria, PRGs were updated using current toxicity values. Chemicals with updated PRGs are indicated in Tables 6-1 and 6-2.

The screening levels used in the risk assessment conducted according to FDEP methodology were developed using the guidance provided in Appendices D and E of the Technical Report for Chapter 62-777 (FDEP, 2005a) and are presented in Section 6.6.

Exposure to COPCs in subsurface soil is typically evaluated only for potential exposure during construction or excavation activities. Therefore, a construction/excavation worker is considered to be the receptor most likely exposed to COPCs in subsurface soil. However, subsurface soil could potentially be brought to the surface during future excavation projects resulting in exposure of other receptors such as future residents or workers. For this reason, potential exposure of residents and typical industrial workers to subsurface soils are also evaluated in the risk assessment.

Screening Levels for Lead

Limited criteria are available to evaluate the potential risks associated with lead. There are no strictly risk-based concentrations for this chemical because the USEPA has not derived toxicity values [i.e., cancer slope factors (CSFs), reference doses (RfDs)] for lead. However, recommended screening levels are available for lead in soil and are frequently used to indicate the need for response activities.

Guidance from both the Office of Prevention, Pesticides, and Toxic Substances (OPPTS) and the Office of Solid Waste and Emergency Response (OSWER) recommend 400 mg/kg as the lowest screening level for lead-contaminated soil in a residential setting where children are frequently present (USEPA, 1994b). OPPTS identifies 2,000 to 5,000 mg/kg as an appropriate range for areas where contact with soil

TABLE 6-1
OCCURRENCE, DISTRIBUTION, AND SELECTION OF CHEMICALS OF POTENTIAL CONCERN - SUBSURFACE SOIL
SITE 4 REMEDIAL INVESTIGATION REPORT
OLF SAUFLEY
PENSACOLA, FLORIDA

Scenario Timeframe: Current/Future
Medium: Subsurface Soil
Exposure Medium: Subsurface Soil

Exposure Point	CAS Number	Chemical	Minimum Concentration[1]	Maximum Concentration[1]	Units	Sample of Maximum Concentration	Frequency of Detection	Range of Nondects[2]	Concentration Used for Screening[3]	Background Value[4]	USEPA Region 9 PRG (Residential)[5]	USEPA SSL Soil to Air (Residential)[6]	COPC Flag	Rationale for Contaminant Deletion or Selection[7]
Site 4	**Volatile Organic Compounds**													
	78-93-3	2-Butanone	1.5 J	6.3 J	ug/kg	OLFS4-MW35S-29	3/33	1.3 - 70	6.3	NA	2200000 N	24000000 sat	No	BSL
	67-64-1	Acetone	2.4 J	4.3 J	ug/kg	OLFS4-DPW11-S45	2/33	1.8 - 100	4.3	NA	1400000 N	NA	No	BSL
	75-09-2	Methylene Chloride	270 J	270 J	ug/kg	OLFS4-DPW16-S4	1/38	0.56 - 30	270	NA	9100 C	13000 C	No	BSL, FOD
	1330-20-7	Total Xylenes	2.4 J	2.4 J	ug/kg	OLFS4-MW25-S-40	1/63	0.64 - 35	2.4	NA	27000 N	70000 N	No	BSL, FOD
	Semivolatile Organic Compounds													
	92-52-4	1,1-Biphenyl	340 J	340 J	ug/kg	OLFS4-MW33S-5	1/33	55 - 120	340	NA	300000 N	NA	No	BSL, FOD
	91-57-6	2-Methylnaphthalene	1400	1500	ug/kg	OLFS4-MW33S-5	2/63	20 - 49	1500	NA	5600 N[8]	NA	No	BSL, FOD
	132-64-9	Dibenzofuran	190 J	190 J	ug/kg	OLFS4-MW33S-5	1/33	55 - 120	190	NA	7300 N[9]	NA	No	BSL, FOD
	86-73-7	Fluorene	78 J	170 J	ug/kg	OLFS4-MW33S-5	2/63	20 - 49	170	NA	270000 N	NA	No	BSL, FOD
	91-20-3	Naphthalene	220 J	350 J	ug/kg	OLFS4-DPW15-S4	2/63	20 - 49	350	NA	5600 N	17000 N	No	BSL, FOD
	85-01-8	Phenanthrene	75 J	75 J	ug/kg	OLFS4-MW33S-5	1/63	20 - 49	75	NA	230000 N[10]	NA	No	BSL, FOD
	Pesticides/PCBs													
	11096-82-5	Aroclor-1260	6.6 J	6.6 J	ug/kg	OLFS4-DPW15-S4	1/36	4.2 - 5.1	6.6	NA	220 C	NA	No	BSL, FOD
	Metals													
	7429-90-5	**Aluminum**	776	21500	mg/kg	OLFS4-DPW18-S12	45/45	- - -	21500	**3833.36**	**7500 N**	709000 N	**Yes**	ASL
	7440-38-2	**Arsenic**	0.2	4.2	mg/kg	OLFS4-MW33S-5	55/55	- - -	4.2	**1.56**	**0.39 C**	769 C	**Yes**	ASL
	7440-39-3	Barium	0.42	30.1	mg/kg	OLFS4-MW33S-5	45/45	- - -	30.1	**4.63**	1500 N[9]	70900 N	No	BSL
	7440-70-2	Calcium	58.7	762	mg/kg	OLFS4-DPW15-S4	26/45	49.2 - 61.1	762	912.37	NA	NA	No	NUT, BKG
	7440-47-3	**Chromium**	1.5 J	25.3	mg/kg	OLFS4-DP12-S20	55/55	- - -	25.3	**6.13**	**22 N**[11,12]	276 C	**Yes**	ASL
	7440-48-4	Cobalt	0.27	1.2	mg/kg	OLFS4-MW33S-5	16/45	0.25 - 0.31	1.2	1.87	140 N[12]	1180 C	No	BSL
	7440-50-8	Copper	0.35 J	6.9	mg/kg	OLFS4-DPW18-S12	45/45	- - -	6.9	**5.74**	310 N	NA	No	BSL
	7439-89-6	**Iron**	382	14100	mg/kg	OLFS4-SB3-S-10	45/45	- - -	14100	**2745**	**5500 N**	NA	**Yes**	ASL
	7439-92-1	Lead	0.6	5.2	mg/kg	OLFS4-DP27-S4	55/55	- - -	5.2	7.32	400	NA	No	BSL, BKG
	7439-95-4	Magnesium	51.8 J	203	mg/kg	OLFS4-DPW21-S12	21/45	49.2 - 61.1	203	**133**	NA	NA	No	NUT
	7439-96-5	**Manganese**	0.85	588	mg/kg	OLFS4-MW33S-5	45/45	- - -	588	**21.36**	**180 N**	7090 N	**Yes**	ASL
	7439-97-6	Mercury	0.019	0.019	mg/kg	OLFS4-DPW15-S4, OLFS4-MW33S-5	2/45	0.012 - 0.016	0.019	0.1	2.3 N	NA	No	BSL, FOD, BKG
	7440-02-0	Nickel	0.37	3.1	mg/kg	OLFS4-DPW21-S12	35/45	0.25 - 0.31	3.1	6.38	160 N	NA	No	BSL, BKG
	7440-09-7	Potassium	56.4 J	215	mg/kg	OLFS4-DPW01-S45	19/45	49.2 - 61.1	215	460.67	NA	NA		NUT, BKG
	7782-49-2	Selenium	0.28	0.35	mg/kg	OLFS4-SB4-S-45	2/45	0.25 - 0.31	0.35	0.62	39 N	NA	No	BSL, FOD, BKG
	7440-23-5	Sodium	1090	1090	mg/kg	OLFS4-DPW12-S45	1/45	49.2 - 61.1	1090	**107.85**	NA	NA	No	NUT, FOD
	7440-62-2	**Vanadium**	1.2 J	35.8 J	mg/kg	OLFS4-SB3-S-10	45/45	- - -	35.8	**5.83**	**7.8 N**	NA	**Yes**	ASL
	7440-66-6	Zinc	0.54	8.9	mg/kg	OLFS4-DPW21-S12	39/45	0.54 - 0.61	8.9	16.87	2300 N	NA	No	BSL, BKG
	Miscellaneous Parameters													
	57-12-5	Cyanide	0.17	0.17	mg/kg	OLFS4-DPW07-S45	1/45	0.13 - 0.15	0.17	NA	120 N	NA	No	BSL, FOD
	Petroleum Hydrocarbons													
		TPH (C08-C40)	11 J	730	mg/kg	OLFS4-MW33S-5	8/63	7 - 12	730	NA	NA	NA	No	NTX

TABLE 6-1
OCCURRENCE, DISTRIBUTION, AND SELECTION OF CHEMICALS OF POTENTIAL CONCERN - SUBSURFACE SOIL
SITE 4 REMEDIAL INVESTIGATION REPORT
OLF SAUFLEY
PENSACOLA, FLORIDA

Scenario Timeframe: Current/Future
Medium: Subsurface Soil
Exposure Medium: Subsurface Soil

Footnotes
1 - Sample and duplicate are considered as two separate samples when determining the minimum and maximum concentrations.
2 - Values presented are sample-specific quantitation limits.
3 - The maximum detected concentration is used for screening purposes.
4 - To determine whether metal concentrations were within background levels, soil concentrations were compared to facility background levels described in Section 6.1.1.1. If the maximum concentration of a chemical is less than the background value, that chemical was not selected as a COPC.
5 - USEPA Region 9 Preliminary Remediation Goal Table. The non-carcinogenic values (denoted with a "N" flag) are the RBC divided by 10 to correspond to a target hazard quotient of 0.1. Carcinogenic values represent an incremental cancer risk of 1.0E-06 (carcinogens denoted with a "C" flag) (USEPA, 2004b, Update December 29, 2004).
6 - USEPA Soil Screening Levels. USEPA Internet Site at http://rais.ornl.gov/calc_start.shtml. (Soil-to-air SSLs for noncarcinogens are divided by 10).
7 - The chemical is selected as a COPC if the maximum detected concentration exceeds the risk-based COPC screening level and for inorganics is present above background levels.
8 - The PRG for naphthalene is used as a surrogate for 2-methylnaphthalene.
9 - The value presented in the USEPA Region 9 PRG Table (USEPA, 2004b) was updated using current toxicity data.
10 - The PRG for pyrene is used as a surrogate for phenanthrene.
11 - The PRG for hexavalent chromium is presented.
12 - One tenth of the non-carcinogenic PRG is less than the carcinogenic PRG; therefore, the noncarcinogenic PRG is presented.

Shaded criterion indicates that the maximum detected concentration exceeds one or more screening criteria. Shaded chemical name indicates that the chemical was retained as a COPC.

Definitions:
C = Carcinogen
COPC = Chemical Of Potential Concern
J = Estimated value
N = Noncarcinogen
NA = Not Applicable/Not Available
sat = soil saturation concentration
SSL = Soil Screening Level

Rationale Codes:
For selection as a COPC:
ASL = Above Screening Level and site background.

For elimination as a COPC:
BKG = Less than Background Concentration
BSL = Below COPC Screening Level
FOD = Frequency of Detection
NUT = Essential nutrient
NTX = No toxicity criteria

Associated Samples

OLFS4-DP01-S20	OLFS4-DP27-S4	OLFS4-DPW21-S12
OLFS4-DP02-S20	OLFS4-DP27-S4-D	OLFS4-DPW22-S26
OLFS4-DP03-S20	OLFS4-DP28-S8	OLFS4-DPW23-S26
OLFS4-DP04-S20	OLFS4-DP29-S4	OLFS4-DPW24-S26
OLFS4-DP05-S20	OLFS4-DP29-S4-D	OLFS4-MW24S-20
OLFS4-DP06-S20	OLFS4-DP30-S8	OLFS4-MW25-S-10
OLFS4-DP07-S20	OLFS4-DPW01-S45	OLFS4-MW25-S-40
OLFS4-DP08-S20	OLFS4-DPW02-S10	OLFS4-MW26-S-25
OLFS4-DP09-S20	OLFS4-DPW03-S10	OLFS4-MW27S-10
OLFS4-DP10-S20	OLFS4-DPW04-S10	OLFS4-MW27S-45
OLFS4-DP11-S20	OLFS4-DPW05-S10	OLFS4-MW33S-26
OLFS4-DP12-S20	OLFS4-DPW06-S10	OLFS4-MW33S-5
OLFS4-DP13-S20	OLFS4-DPW07-S45	OLFS4-MW35S-29
OLFS4-DP14-S20	OLFS4-DPW08-S10	OLFS4-MW36S-25
OLFS4-DP15-S20	OLFS4-DPW09-S10	OLFS4-SB2-S-10
OLFS4-DP16-S6	OLFS4-DPW10-S45	OLFS4-SB2-S-26
OLFS4-DP17-S10	OLFS4-DPW11-S45	OLFS4-SB3-S-10
OLFS4-DP18-S6	OLFS4-DPW12-S45	OLFS4-SB3-S-26
OLFS4-DP19-S12	OLFS4-DPW13-S4	OLFS4-SB4-S-10
OLFS4-DP20-S10	OLFS4-DPW14-S6	OLFS4-SB4-S-45
OLFS4-DP21-S10	OLFS4-DPW15-S4	OLFS4-SB5-S-10
OLFS4-DP22-S18	OLFS4-DPW16-S4	OLFS4-SB5-S-45
OLFS4-DP23-S8	OLFS4-DPW17-S12	OLFS4-SB6-S-16
OLFS4-DP24-S8	OLFS4-DPW18-S12	OLFS4-SB7-S-12
OLFS4-DP25-S10	OLFS4-DPW19-S12	OLFS4-SB8-S-12
OLFS4-DP26-S6	OLFS4-DPW20-S12	

TABLE 6-2
OCCURRENCE, DISTRIBUTION, AND SELECTION OF CHEMICALS OF POTENTIAL CONCERN - GROUNDWATER
SITE 4 REMEDIAL INVESTIGATION REPORT
OLF SAUFLEY
PENSACOLA, FLORIDA

Scenario Timeframe: Current/Future
Medium: Groundwater
Exposure Medium: Groundwater

Exposure Point	CAS Number	Chemical	Minimum Concentration[1]	Maximum Concentration[1]	Units	Sample of Maximum Concentration	Frequency of Detection	Range of Nondects[2]	Concentration Used for Screening[3]	Background Value[4]	USEPA Region 9 Tap Water PRG[5]	USEPA MCL[6]	COPC Flag	Rationale for Contaminant Deletion or Selection[7]
Site 4	**Volatile Organic Compounds**													
	75-34-3	1,1-Dichloroethane	5.2	27	ug/L	OLFS4-DPW01-G53-55	2/57	0.15 - 0.75	27	NA	91 N[8]	NA	No	BSL
	78-93-3	2-Butanone	3.8 J	4 J	ug/L	OLFS4-MW38-0607	2/57	1.2 - 6.2	4	NA	700 N	NA	No	BSL
	591-78-6	2-Hexanone	2 J	2 J	ug/L	OLFS4-DPW13-34-36	1/57	0.83 - 4.2	2	NA	NA	NA	No	BSL, FOD
	67-64-1	Acetone	3 J	52 J	ug/L	OLFS4-DPW13-34-36	18/57	1.1 - 16	52	NA	550 N	NA	No	BSL
	71-43-2	**Benzene**	0.11 J	26	ug/L	OLFS4-DPW01-G53-55	13/57	0.11 - 0.4	26	NA	**0.35 C**	**5**	**Yes**	ASL
	75-27-4	Bromodichloromethane	0.24 J	0.6 J	ug/L	OLFS4-MW39-0607	4/57	0.24 - 1.2	0.6	NA	**0.18 C**	80	No	BSL
	75-25-2	Bromoform	0.4 J	0.4 J	ug/L	OLFS4-MW39-0607	1/57	0.24 - 1.2	0.4	NA	8.5 C	80	No	BSL, FOD
	75-15-0	Carbon Disulfide	0.52 J	4.3	ug/L	OLFS4-MW09S-001	3/57	0.13 - 0.65	4.3	NA	100 N	NA	No	BSL
	124-48-1	**Chlorodibromomethane**	0.26 J	0.5 J	ug/L	OLFS4-MW39-0607	5/57	0.08 - 1	0.5	NA	**0.13 C**	80	**Yes**	ASL
	67-66-3	**Chloroform**	0.16 J	3	ug/L	OLFS4-MW39-0607	15/57	0.15 - 0.75	3	NA	**0.17 C**	80	**Yes**	ASL
	74-87-3	Chloromethane	0.18 J	0.55 J	ug/L	OLFS4-MW15S-001	8/57	0.18 - 2	0.55	NA	16 N	NA	No	BSL
	156-59-2	**cis-1,2-Dichloroethene**	0.61 J	350	ug/L	OLFS4-DPW01-G53-55	4/57	0.3 - 2.2	350	NA	**6.1 N**	**70**	**Yes**	ASL
	110-82-7	Cyclohexane	0.27 J	4.2 J	ug/L	OLFS4-MW32S-001	7/57	0.18 - 0.6	4.2	NA	1000 N	NA	No	BSL
	100-41-4	Ethylbenzene	0.16 J	110	ug/L	OLFS4-MW32S-001	6/57	0.14 - 0.4	110	NA	130 N	700	No	BSL
	98-82-8	**Isopropylbenzene**	0.33 J	80	ug/L	OLFS4-MW32S-001	9/57	0.25 - 0.5	80	NA	**66 N**	NA	**Yes**	ASL
	108-87-2	Methyl Cyclohexane	0.53 J	16	ug/L	OLFS4-MW32S-001	5/57	0.2 - 1	16	NA	520 N	NA	No	BSL
	127-18-4	**Tetrachloroethene**	0.2 J	0.54 J	ug/L	OLFS4-DPW03-G53-55	4/57	0.14 - 0.7	0.54	NA	**0.1 C**	5	**Yes**	ASL
	108-88-3	Toluene	0.23 J	4.8 J	ug/L	OLFS4-MW32S-001	13/57	0.18 - 0.3	4.8	NA	230 N[8]	1000	No	BSL
	1330-20-7	**Total Xylenes**	0.28 J	840	ug/L	OLFS4-MW32S-001	9/57	0.21 - 1	840	NA	**21 N**	10000	**Yes**	ASL
	156-60-5	**trans-1,2-Dichloroethene**	0.45 J	48	ug/L	OLFS4-MW15S-001	5/57	0.4 - 2	48	NA	**11 N**[8]	100	**Yes**	ASL
	75-69-4	Trichlorofluoromethane	0.16 J	0.16 J	ug/L	OLFS4-MW36S-001	1/57	0.15 - 0.75	0.16	NA	130 N	NA	No	BSL, FOD
	75-01-4	**Vinyl Chloride**	0.27 J	0.36 J	ug/L	OLFS4-MW15S-001	2/57	0.19 - 0.95	0.36	NA	**0.02 C**	2	**Yes**	ASL
	Semivolatile Organic Compounds													
	92-52-4	1,1-Biphenyl	1.1 J	1.1 J	ug/L	OLFS4-MW31S-001	1/39	1 - 3	1.1	NA	30 N	NA	No	BSL, FOD
	91-57-6	**2-Methylnaphthalene**	3.2	7.9 J	ug/L	OLFS4-MW05S-001	4/45	1 - 4	7.9	NA	**0.62 N**[9]	NA	**Yes**	ASL
	117-81-7	Bis(2-ethylhexyl)phthalate	1.4 J	1.8 J	ug/L	OLFS4-MW17S-001	2/45	1 - 8	1.8	NA	4.8 C	6	No	BSL, FOD
	85-68-7	Butyl Benzyl Phthalate	1.6 J	1.6 J	ug/L	OLFS4-MW05S-001, OLFS4-MW16S-001	2/45	1 - 6	1.6	NA	730 N	NA	No	BSL, FOD
	105-60-2	Caprolactam	1.2 J	4.4 J	ug/L	OLFS4-MW19S-001	7/45	1 - 9	4.4	NA	1800 N	NA	No	BSL
	84-74-2	di-n-Butyl Phthalate	1.4 J	1.4 J	ug/L	OLFS4-MW16S-001	1/45	1 - 7	1.4	NA	360 N	NA	No	BSL, FOD
	91-20-3	**Naphthalene**	13	68	ug/L	OLFS4-MW32S-001	3/45	1 - 3	68	NA	**0.62 N**	NA	**Yes**	ASL
	Polynuclear Aromatic Hydrocarbons													
	90-12-0	**1-Methylnaphthalene**	0.01 J	8.6	ug/L	OLFS4-MW05S-001	13/35	0.01 - 0.012	8.6	NA	**0.62 N**[9]	NA	**Yes**	ASL
	91-57-6	**2-Methylnaphthalene**	0.025 J	12	ug/L	OLFS4-MW05S-001	11/35	0.016 - 0.019	12	NA	**0.62 N**[9]	NA	**Yes**	ASL
	83-32-9	Acenaphthene	0.014 J	0.4	ug/L	OLFS4-MW23S-001	2/35	0.01 - 0.012	0.4	NA	37 N	NA	No	BSL
	208-96-8	Acenaphthylene	0.86	0.86	ug/L	OLFS4-MW31S-001	1/35	0.0085 - 0.01	0.86	NA	37 N[10]	NA	No	BSL, FOD
	56-55-3	**Benzo(a)anthracene**	0.018 J	0.03 J	ug/L	OLFS4-MW12S-001	2/35	0.01 - 0.012	0.03	NA	**0.029 C**[8]	NA	**Yes**	ASL
	50-32-8	**Benzo(a)pyrene**	0.03 J	0.03 J	ug/L	OLFS4-MW12S-001	1/35	0.0095 - 0.011	0.03	NA	**0.0029 C**[8]	0.2	**Yes**	ASL
	205-99-2	**Benzo(b)fluoranthene**	0.04 J	0.04 J	ug/L	OLFS4-MW12S-001	1/35	0.016 - 0.019	0.04	NA	**0.029 C**[8]	NA	**Yes**	ASL
	207-08-9	Benzo(k)fluoranthene	0.037 J	0.037 J	ug/L	OLFS4-MW12S-001	1/35	0.013 - 0.015	0.037	NA	0.29 C[11]	NA	No	BSL, FOD
	218-01-9	Chrysene	0.027 J	0.046 J	ug/L	OLFS4-MW12S-001	2/35	0.009 - 0.01	0.046	NA	2.9 C[8]	NA	No	BSL
	206-44-0	Fluoranthene	0.016 J	0.093	ug/L	OLFS4-MW12S-001	6/35	0.012 - 0.014	0.093	NA	150 N	NA	No	BSL
	86-73-7	Fluorene	0.015 J	0.15	ug/L	OLFS4-MW23S-001	5/35	0.012 - 0.015	0.15	NA	24 N	NA	No	BSL
	91-20-3	**Naphthalene**	0.044 J	79 J	ug/L	OLFS4-MW32S-001	12/35	0.019 - 0.022	79	NA	**0.62 N**	NA	**Yes**	ASL
	85-01-8	Phenanthrene	0.02 J	0.07	ug/L	OLFS4-MW12S-001	9/35	0.014 - 0.016	0.07	NA	18 N[11]	NA	No	BSL
	129-00-0	Pyrene	0.012 J	0.06	ug/L	OLFS4-MW12S-001	5/35	0.01 - 0.012	0.06	NA	18 N	NA	No	BSL
		Benzo(a)pyrene Equivalents		0.044	ug/L	OLFS4-MW12S-001	2/35		0.044	NA	**0.0029 C**[8]	0.2	**Yes**	ASL

TABLE 6-2
OCCURRENCE, DISTRIBUTION, AND SELECTION OF CHEMICALS OF POTENTIAL CONCERN - GROUNDWATER
SITE 4 REMEDIAL INVESTIGATION REPORT
OLF SAUFLEY
PENSACOLA, FLORIDA

Scenario Timeframe: Current/Future
Medium: Groundwater
Exposure Medium: Groundwater

Exposure Point	CAS Number	Chemical	Minimum Concentration[1]	Maximum Concentration[1]	Units	Sample of Maximum Concentration	Frequency of Detection	Range of Nondects[2]	Concentration Used for Screening[3]	Background Value[4]	USEPA Region 9 Tap Water PRG[5]	USEPA MCL[6]	COPC Flag	Rationale for Contaminant Deletion or Selection[7]
Site 4	**Metals**													
	7429-90-5	**Aluminum**	31.3 J	3110	ug/L	OLFS4-MW17S-001	37/45	75 - 75	3110	**342**	3600 N	**50** [12]	**Yes**	ASL
	7440-38-2	**Arsenic**	3.6	5.8	ug/L	OLFS4-MW17S-001	5/45	0.83 - 4	5.8	**ND**	**0.045 C**	10	**Yes**	ASL
	7440-39-3	Barium	9.1	316	ug/L	OLFS4-MW23S-001	45/45	- - -	316	**23.2**	730 N[9]	2000	No	BSL
	7440-70-2	Calcium	1320	181000	ug/L	OLFS4-MW23S-001	44/45	1000 - 1000	181000	**ND**	NA	NA	No	NUT
	7440-47-3	**Chromium**	2.8	855	ug/L	OLFS4-MW19S-001	44/45	1.5 - 1.5	855	**9.7**	**11 N**	**100**	**Yes**	ASL
	7440-48-4	Cobalt	1.7	31.5	ug/L	OLFS4-MW15S-001	17/45	5 - 5	31.5	**ND**	73 N	NA	No	BSL
	7440-50-8	Copper	5.1	22.3	ug/L	OLFS4-MW25S-001	14/45	0.93 - 15.9	22.3	**ND**	150 N	1300	No	BSL
	7439-89-6	**Iron**	58.6	34500	ug/L	OLFS4-MW23S-001	45/45	- - -	34500	**379**	**2600 N**[9]	**300** [12]	**Yes**	ASL
	7439-92-1	Lead	0.39	12.2	ug/L	OLFS4-MW10D-001	24/45	0.38 - 1.5	12.2	**ND**	15	15	No	BSL
	7439-95-4	Magnesium	789	17100	ug/L	OLFS4-MW23S-001	40/45	1000 - 1000	17100	**ND**	NA	NA	No	NUT
	7439-96-5	**Manganese**	12.5	2790	ug/L	OLFS4-MW23S-001	45/45	- - -	2790	**12.8**	**88 N**	**50** [12]	**Yes**	ASL
	7439-97-6	Mercury	1.1	1.1	ug/L	OLFS4-MW43-0607	1/45	0.01 - 0.08	1.1	**ND**	1.1 N	2	No	BSL, FOD
	7440-02-0	**Nickel**	2.8	438	ug/L	OLFS4-MW19S-001	43/45	1.6 - 2.5	438	**8.4**	**73 N**	NA	**Yes**	ASL
	7440-09-7	Potassium	545	35600	ug/L	OLFS4-MW23S-001	36/45	1000 - 1000	35600	**ND**	NA	NA	No	NUT
	7782-49-2	Selenium	1.3	1.4	ug/L	OLFS4-MW29D-001	2/45	1.2 - 5	1.4	**ND**	18 N	50	No	BSL
	7440-22-4	Silver	4.8	4.8	ug/L	OLFS4-MW15S-001	1/45	0.46 - 1	4.8	**ND**	18 N	100 [12]	No	BSL, FOD
	7440-23-5	Sodium	2200	58700	ug/L	OLFS4-MW46-0607	45/45	- - -	58700	**3380**	NA	NA	No	NUT
	7440-28-0	**Thallium**	0.82	0.99	ug/L	OLFS4-MW31S-001	2/45	0.71 - 1.5	0.99	**ND**	**0.24 N**	2	**Yes**	ASL
	7440-62-2	**Vanadium**	2.7	12.1	ug/L	OLFS4-MW17S-001	6/45	0.57 - 5	12.1	**ND**	**3.6 N**	NA	**Yes**	ASL
	7440-66-6	Zinc	10.7	255	ug/L	OLFS4-MW15S-001	27/45	4.6 - 10	255	**ND**	1100 N	5000 [12]	No	BSL
	Petroleum Hydrocarbons													
		TPH (C08-C40)	0.3 J	8.9	mg/L	OLFS4-MW31S-001	9/45	0.17 - 0.3	8.9	NA	NA	NA	No	NTX

TABLE 6-2
OCCURRENCE, DISTRIBUTION, AND SELECTION OF CHEMICALS OF POTENTIAL CONCERN - GROUNDWATER
SITE 4 REMEDIAL INVESTIGATION REPORT
OLF SAUFLEY
PENSACOLA, FLORIDA

Scenario Timeframe: Current/Future
Medium: Groundwater
Exposure Medium: Groundwater

Exposure Point	CAS Number	Chemical	Minimum Concentration[1]	Maximum Concentration[1]	Units	Sample of Maximum Concentration	Frequency of Detection	Range of Nondects[2]	Concentration Used for Screening[3]	Background Value[4]	USEPA Region 9 Tap Water PRG[5]	USEPA MCL[6]	COPC Flag	Rationale for Contaminant Deletion or Selection[7]

Notes:
1 - Sample and duplicate are counted as two separate samples when determining the minimum and maximum detected concentrations and as one sample when determining frequency of detection.
2 - Values presented are sample-specific quantitation limits.
3 - The maximum detected concentration is used for screening purposes.
4 - To determine whether metal concentrations were within background levels, soil concentrations were compared to facility background levels described in Section 6.1.1.1.
If the maximum concentration of a chemical is less than the background value, that chemical was not selected as a COPC.
5 - The risk-based COPC screening level for tap water is presented. The value is based upon a target HQ of 0.1 for noncarcinogens (denoted with a "N" flag),
or an incremental cancer risk of 1 x 10^{-6} for carcinogens (denoted with a "C" flag) (USEPA, 2004b, Updated December 28, 2004).
6 - USEPA Primary Drinking Water Standard (USEPA, 2006).
7 - The chemical is selected as a COPC if the maximum detected concentration exceeds the COPC screening level and is greater than the concentration detected in the upgradient well.
8 - The value presented in the USEPA Region 9 PRG Table (USEPA, 2004b) was updated using current toxicity data.
9 - The PRG for naphthalene is used as a surrogate for 1- and 2-methylnaphthalene.
10 - The PRG for acenaphthene is used as a surrogate for acenaphthylene.
11 - The PRG for pyrene is used as a surrogate for phenanthrene.
12 - No primary MCL available, secondary MCL is presented.

Shaded criterion indicates that the maximum detected concentration exceeds one or more screening criteria. Shaded chemical name indicates that the chemical was retained as a COPC.

Definitions:
SQL = Sample Quantitation Limit
COPC = Chemical of Potential Concern
J = Estimated Value
C = Carcinogenic
MCL = Maximum Contaminant Level
NA = Not applicable/not available
N = Noncarcinogen
SDWA = Safe Drinking Water Act
SMCL = Secondary MCL
ND = Non detect

Rationale Codes:
For selection as a COPC:
ASL = Above Screening Level

For elimination as a COPC:
BSL = Below Screening Level
NUT = Essential nutrient
BKG = Less than Background Concentration
FOD = Frequency of Detection
NTX = No toxicity criteria

Associated Samples

OLFS4-DPW01-G53-55	OLFS4-MW18S-001
OLFS4-DPW03-G53-55	OLFS4-MW19S-001
OLFS4-DPW05-G53-55	OLFS4-MW20S-001
OLFS4-DPW07-G53-55	OLFS4-MW21S-001
OLFS4-DPW09-G53-55	OLFS4-MW22D-001
OLFS4-DPW09-G53-55-D	OLFS4-MW23S-001
OLFS4-DPW11-G53-55	OLFS4-MW24S-001
OLFS4-DPW13-34-36	OLFS4-MW25S-001
OLFS4-DPW15-36-38	OLFS4-MW26D-001
OLFS4-DPW17-34-36	OLFS4-MW27S-001
OLFS4-DPW22-32-34	OLFS4-MW28S-001
OLFS4-DPW23-30-32	OLFS4-MW29D-001
OLFS4-DPW24-30-31	OLFS4-MW30S-001
OLFS4-MW01D2-001	OLFS4-MW31S-001
OLFS4-MW02D-001	OLFS4-MW32S-001
OLFS4-MW03S-001	OLFS4-MW33S-001
OLFS4-MW04D-001	OLFS4-MW34S-001
OLFS4-MW05S-001	OLFS4-MW35S-001
OLFS4-MW06S-001	OLFS4-MW35S-001-D
OLFS4-MW07S-001	OLFS4-MW36S-001
OLFS4-MW08S-001	OLFS4-MW37-0607
OLFS4-MW08S-001-D	OLFS4-MW37-0607-D
OLFS4-MW09S-001	OLFS4-MW38-0607
OLFS4-MW10D-001	OLFS4-MW39-0607
OLFS4-MW11S-001	OLFS4-MW40-0607
OLFS4-MW12S-001	OLFS4-MW41-0607
OLFS4-MW13S-001	OLFS4-MW42-0607
OLFS4-MW14D-001	OLFS4-MW43-0607
OLFS4-MW15S-001	OLFS4-MW44-0607
OLFS4-MW16S-001	OLFS4-MW45-0607
OLFS4-MW17S-001	OLFS4-MW46-0607

children in a residential setting is less frequent. A value of 400 mg/kg is used as the screening level for COPC selection for subsurface soil.

Guidance for the USEPA Technical Review Workgroup (TRW) for Lead indicates that "a reasonable screening level for soil lead at commercial/industrial (i.e., non-residential) sites is 800 mg/kg" for a typical non-contact intensive worker (USEPA online, 2007b). This value is not used for COPC selection, but may be used in the qualitative evaluation of lead. The current State of Florida commercial/industrial SCTL for lead in soil is 1,400 mg/kg (FDEP, 2005b).

The Florida CTL and Safe Drinking Water Act Action Level of 15 µg/L were used as the screening level for lead in groundwater.

Essential Nutrients and Chemicals without Toxicity Criteria

The essential nutrients calcium, magnesium, potassium, and sodium, are not included in the COPC screening process. These inorganic chemicals are naturally abundant in environmental matrices and are only toxic at high doses and, because of the lack of toxicity criteria, risk-based COPC screening levels are not available for these chemicals in the Region 9 PRG table or FDEP CTL tables.

USEPA risk-based screening levels are currently not available for several constituents detected at Site 4 (e.g., acenaphthylene, 1-methylnaphthalene, 2-methylnaphthalene, and phenanthrene). Therefore, screening levels available for surrogate chemicals are used as screening levels for these constituents, as recommended by USEPA Region 1 (USEPA, 1999b). For example, in the COPC selection for soil at Site 4, the screening level for acenaphthene is used as a surrogate for acenaphthylene, naphthalene is used as a surrogate for 1-methylnaphthalene and 2-methylnaphthalene, and pyrene is used as a surrogate for phenanthrene.

6.1.1.2.2 Background Screen

Background concentrations are those that would exist in the absence of influence from site operations. As discussed in Section 2.6 the background concentrations for soil were obtained from 10 reference locations and background concentrations for groundwater were obtained from two monitoring wells. The background comparisons were conducted according to USEPA Region 4 risk assessment guidance which states, "For naturally occurring inorganics and radionuclides, compare the on-site maximum detected concentration to 2 times the average site-specific background concentration. Eliminate the chemical as a COPC if it is less than 2 times the background level." (USEPA, 2000). Therefore, if the detected site concentrations of an analyte are less than two times the mean of the background levels, the

analyte is not selected as a COPC. The background values used for COPC selection are presented in Tables 6-1 and 6-2.

The elimination of chemicals as site-related COPCs on the basis of background comparisons follows Navy Policy on the Use of Background Chemical Levels (DON, 2004). This document also presents the Navy's interpretation of the USEPA guidance provided in the document titled Role of Background in the CERCLA Cleanup Program (USEPA, 2002) and details the methodology to be used in evaluating background under the Navy's Environmental Restoration and Base Realignment and Closure (BRAC) programs. Navy policy applies to both the screening-level and baseline risk assessments and requires the following:

1. A clear and concise understanding of chemicals released from a site, thus ensuring the Navy is focusing on remediating the release.

2. The use of background data in the screening-level risk assessment.

    a. The comparison of site chemical levels to risk-based screening criteria.
    b. The comparison of site chemical levels to background concentrations.
    c. The identification of site-related COPCs based on screening criteria comparisons and background comparisons. Site-related COPCs are those chemicals with concentrations exceeding risk-based screening criteria and background concentrations. To the extent possible, site-related COPCs are further evaluated quantitatively in the baseline risk assessment. (Non-site-related COPCs are further discussed in the risk characterization sections of the baseline risk assessments.)

3. The consideration of background in the baseline risk assessment.

    a. The calculation of risk estimates for site-related COPCs only.
    b. The further evaluation of non-site-related COPCs in the risk characterization section only (e.g., the evaluation of chemicals detected at concentrations exceeding screening criteria but less than background concentrations). The Navy considers this comparison to be consistent with USEPA's Role of Background in the CERCLA Cleanup Program (USEPA, 2002).

4. The selection of site cleanup remedial goals at levels not less than background levels. Additionally, cleanup levels should not be developed for chemicals not identified as chemicals of concern (COCs). As defined in the Navy guidance, COCs are site-related COPCs found to be the risk drivers in the baseline risk assessment and that may pose unacceptable human or ecological risks.

6.1.1.2.3 Frequency Screen

If an analyte is detected in less than 5 percent of the samples, it may not be selected as a COPC (FDEP, 2005). A frequency screen is conducted only when there are 20 or more samples of the medium of concern. The decision to eliminate a chemical because of low detection frequency is also based on site history (i.e., is there a reason to believe a chemical may or may not be related to historical site activities) and the magnitude of the concentration (i.e., does the concentration of a chemical indicate a potential hotspot area). Note that no chemicals were eliminated as COPCs on the basis of frequency alone.

6.1.1.2.4 Decision Rules for Establishing COPCs

The applicable decision rules for the selection of COPCs are as follows:

- A chemical is selected as a COPC for soil or groundwater if the maximum detected concentration exceeds the screening level and if the background screen indicates that site concentrations are greater than the corresponding background concentrations.

- Individual chemicals may be eliminated as COPCs if they are detected at a frequency of less than 5 percent in any given medium, but only if there are no other indications the chemical would pose an unacceptable risk to receptors (e.g., there is no evidence of a contaminant “hot spot”). Chemicals exhibiting unusually high concentrations or are clearly site-related may be retained as COPCs at the discretion of the human health risk assessor.

- If a chemical is not detected in any of the samples in a particular medium, and the detection limits exceeds the risk-based screening levels, the chemical is not selected as a COPC, but is qualitatively discussed in the uncertainty analysis section.

- The essential nutrients (calcium, magnesium, potassium, and sodium) are not identified as COPCs.

- Chemicals with concentrations exceeding toxicity screening concentrations but determined to be less than background concentrations based on the background screen are not selected as COPCs. However, as stated previously, no chemicals were eliminated as COPCs on the basis of background alone.

6.2 SELECTION OF COPCS FOR HHRA – USEPA METHODOLOGY

The direct contact, USEPA Region 9 risk-based screening levels, and USEPA MCLs (for groundwater) defined in Section 6.1.1.2 were used to select COPCs for quantitative evaluation at Site 4. A discussion of the chemicals selected as COPCs (i.e., those chemicals detected at concentrations in excess of USEPA direct contact screening criteria and the rationale for COPC selection are provided in the following paragraphs. COPC selection tables for subsurface soil and groundwater are presented in Tables 6-1 and 6-2, respectively.

6.2.1 Subsurface Soil

Four VOCs, six SVOCs, Aroclor-1260, 18 inorganics, cyanide, and petroleum hydrocarbons were detected in subsurface soil samples collected at Site 4. A comparison of the maximum detected subsurface soil concentrations to screening levels based on USEPA Region 9 PRGs for residential exposures is presented in Table 6-1. Also presented in Table 6-1 are the results of the site data-to-background data comparisons. Inorganics (aluminum, arsenic, chromium, iron, manganese, and vanadium) were detected in subsurface soils at maximum concentrations exceeding the direct contact, risk based COPC screening levels and background, and were retained as COPCs for subsurface soil.

The maximum detected concentrations of aluminum, chromium, iron, manganese, and vanadium exceeded the COPC screening levels [set at a hazard index (HI) of 0.1]; however, they did not exceed the USEPA Region 9 PRG for soil.

6.2.2 Groundwater

In groundwater samples collected at Site 4, 22 VOCs, 7 SVOCs, 14 PAHs, 20 inorganics, and TRPH were detected. A comparison of the maximum detected groundwater concentrations to screening levels based on USEPA Region 9 PRGs and USEPA MCLs for residential exposures is presented in Table 6-2. Also presented in Table 6-2 are the results of the site data-to-background data comparisons. The following chemicals were detected in groundwater at maximum concentrations exceeding the direct contact, risk-based COPC screening levels, and background levels, and were retained as COPCs for groundwater:

- VOCs (benzene, chlorodibromomethane, chloroform, cis-1,2-dichloroethene, isopropylbenzene, tetrachloroethene, total xylenes, trans-1,2-dichloroethene, and vinyl chloride)
- SVOCs (2-methylnaphthalene and naphthalene)

- PAHs (1-methylnaphthalene, 2-methylnaphthalene, benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, and naphthalene)

- Inorganics (aluminum, arsenic, chromium, iron, manganese, nickel, thallium, and vanadium)

The maximum detected concentration of isopropylbenzene, trans-1,2-dichloroethene, nickel, thallium, and vanadium exceeded the COPC screening levels [set at a hazard index (HI) of 0.1]; however, they did not exceed the USEPA Region 9 PRG for groundwater. Concentrations of aluminum were below the USEPA Region 9 screening levels for groundwater; however, they exceeded the secondary MCL.

6.3 EXPOSURE ASSESSMENT/ESTIMATION OF RISK

The exposure assessment defines and evaluates, quantitatively or qualitatively, the type and magnitude of human exposure to the chemicals present at or migrating from the site. The exposure assessment is designed to depict the physical setting of the site, to identify potentially exposed populations and applicable exposure pathways, to determine concentrations of COPCs to which receptors might be exposed, and to estimate chemical intakes under the identified exposure scenarios. Actual or potential exposures at a site are determined based on the most likely pathways of contaminant release and transport, as well as human activity patterns. A complete exposure pathway has three components: (1) a source of chemicals that can be released to the environment, (2) a route of contaminant transport through an environmental medium, and (3) an exposure or contact point for a human receptor. These components can be integrated and described by means of a conceptual site model (CSM), which is an essential element of the exposure assessment.

Current or potential human exposures identified by the CSM are evaluated using the “risk-ratio” approach defined in Section 6.3.3. As noted above, this approach is supported by USEPA Region 4. The approach uses exposure point concentrations (EPCs) for the COPCs in soil and groundwater and relevant risk-based concentrations to generate cancer and non-cancer risk estimates for receptors of concern. The risk-based concentrations for soil used to estimate risk are the FDEP SCTLs developed for the residential and industrial land use scenarios and risk-based concentrations developed for other receptors using USEPA and FDEP guidance documents. The risk-based concentrations for groundwater used to estimate risks are the USEPA Region 9 Tap Water PRGs (USEPA, 2004b). The Region 9 PRGs were used for groundwater (instead of the FDEP CTLs), because most of the FDEP groundwater CTLs are not risk-based values. The risk-based concentrations define and incorporate all the exposure factors (e.g., soil and water ingestion rates) used to determine chemical intake/exposure by receptors of concern.

6.3.1 Conceptual Site Model

The foundation of an exposure assessment is the CSM, which identifies site characteristics including potential contaminant sources, contaminant release mechanisms, transport routes, receptors under current and future land use scenarios, and other appropriate information. The CSM integrates information regarding the physical characteristics of the site, exposed populations, sources of contamination, and contaminant mobility (fate and transport) to identify potential exposure routes and receptors to be evaluated in the risk assessment. A well-defined CSM allows for a better understanding of the risks at a site and aids risk managers in the identification of the potential need for remediation. A general overview of CSM information relevant to Site 4 is provided below. Table 6-3 provides a general summary of the potential receptors and exposure routes evaluated in the risk assessment for Site 4.

TABLE 6-3
EXPOSURE ROUTES FOR QUANTITATIVE EVALUATION
SITE 4 REMEDIAL INVESTIGATION REPORT
OLF SAUFLEY
PENSACOLA, FLORIDA

Receptors	Exposure Routes
Maintenance Workers	• No complete exposure pathways
Construction Workers	• Soil dermal contact (surface and subsurface) • Soil ingestion (surface and subsurface) • Inhalation of air/dust/emissions (surface and subsurface)
Occupational Workers	• Soil dermal contact[1] • Soil ingestion[1] • Inhalation of air/dust/emissions[1]
Adult and Adolescent Trespassers / Recreational Users	• No complete exposure pathways
Residents (Adult/Children)	• Soil dermal contact[1] • Soil ingestion[1] • Inhalation of air/dust/emissions[1] • Groundwater ingestion • Groundwater inhalation

Note:
1 - Assumes that subsurface soil could be brought to the surface in future excavation projects.

As noted above, the CSM depicts the relationships among the following elements:

- Site sources of contamination
- Contaminant release mechanisms
- Transport/migration pathways
- Exposure routes
- Potential receptors

A general discussion of these elements is provided in following paragraphs.

6.3.1.1 Site Background and History

Saufley Field is located in Escambia County, northwest Florida. The facility is situated between Interstate 10 and Perdido Bay approximately five miles northwest of Pensacola, Florida. OLF Saufley consists of four airstrips. Currently, all airstrips are inactive. The base also has a number of support buildings and a Federal Prison located south of the airfield. OLF Saufley encompasses 866 acres with the majority of the area consisting of airstrips, grass covered fields, buildings, and woods.

Site 4 consists of Hangars 807, 808, 809, and 810 and the concrete and grass covered areas immediately surrounding them. The hangars are roughly located symmetrically about the control tower, Building 803. Based on a review of historic aerial photographs, these hangars were initially constructed with concrete pavement surrounding the structures on all sides with the exception of small grass covered areas surrounded by curbs located adjacent to administrative doorways. For this reason, investigation for spilled fuels, oils, and solvents near the hangars was restricted to the locations of gasoline and used oil/solvent tanks and the wash racks.

OLF Saufley opened in 1940 as NAAS Saufley. NAAS Saufley was used to train pilots during World War II and the Korean Conflict. In 1957, the mission at Saufley Field was changed to basic training for naval aviators. NAAS Saufley was re-designated as a NAS in 1968 and retained this status until 1976 when NAS Saufley operations were discontinued and the facility was placed in caretaker status. Between 1976 and 1979, Saufley Field was used as an OLF for NAS Whiting Field. Currently, the landing strips are maintained, but unutilized.

In 1979, the facility was reactivated as NETPMSA. Saufley Field was renamed the Naval Education and Training Professional Development and Technical Center (NETPDTC) in 1996, and is now used primarily to train and educate naval personnel. At this time, approximately 10 percent of the base, including approximately 25 percent of Site 4 (primarily Hangar 810 and the associated eastern aircraft wash rack area), was designated as a minimum security Federal Prison Camp housing male offenders. Working within the camp area requires modification of typical work practices (i.e., no phones, knives, cameras, or speaking with inmates, and a check-in/check-out procedure).

6.3.1.2 Sources of Environmental Contamination

Used oil/solvents were placed in two 2000-gallon capacity USTs designated tanks 807-B and 819-B located at Hangars 807 and 810, respectively. When the tanks were full, used oil/solvents were transported off base or burned by the base fire department at the fire fighting training pit north of the runways. Additional tanks associated with Hangars 807 and 810 were 1000-gallon kerosene tanks (Tanks 807-C and 819-C) and 1000-gallon gasoline tanks (Tanks 807-D and 819-D).

6.3.1.3 Potential Contaminant Migration Routes

Assuming subsurface soil and groundwater contamination has occurred as a result of chemical usage/waste disposal and chemicals may migrate to deeper subsurface soils and groundwater, the primary plausible contaminant release and migration mechanisms at Site 4 are as follows:

- Migration of soil contaminants downward through the soil column with infiltrating precipitation. Chemicals may continue to migrate in groundwater via dispersion and advection in the downgradient direction. Depth to groundwater at Site 4 varies between 25 to 50 feet bls. However, Site 4 is covered with concrete and hangars with only small areas of exposed grass; therefore, the potential migration of contaminants with infiltrating precipitation is not significant.

- Migration of fugitive dusts from surface soils (and subsurface soils if construction/excavation activities occur) into ambient air. Currently, Site 4 is covered with concrete and hangars with only small areas of exposed grass; therefore, the potential for migration of airborne fugitive dusts from surface soil is not significant. Also, as indicated in COPC selection Table 6-1, the site soil concentrations of all detected chemicals were less than USEPA inhalation soil screening levels (SSLs) and, therefore, the soil-to-air inhalation pathway is not considered significant and is not further evaluated in the risk assessment.

6.3.1.4 Potential Current and Future Receptors of Concern and Exposure Pathways

NETPDTC Saufley is an active facility and will remain active for the foreseeable future. However, for purposes of completeness, the baseline risk assessment prepared for Site 4 considers receptor exposure under residential, industrial, and recreational land use scenarios. As previously discussed, Site 4 consists of hangars and paved areas with very little exposed areas of grass. No surface soil samples were collected at Site 4; therefore, potential exposure pathways were only identified for subsurface soil and groundwater. The lack of surface soil data is discussed in the uncertainty analysis in Section 6.8. The majority of Site 4 is covered with concrete and hangars; therefore, potential exposures to surface soil could only occur under a future scenario where the concrete is removed. Based on current and potential future land use, the following potential receptors are assumed to be exposed to subsurface soil and groundwater at Site 4:

- **Site Maintenance Worker** – An on-site receptor under current/future land use. This includes adult military or civilian personnel assigned to work (primarily groundskeeping/outdoor maintenance activities) at a site. This receptor could be exposed to surface soil by incidental ingestion, dermal contact, and inhalation (i.e., airborne particulates/vapors) during groundskeeping or maintenance activities. This receptor would not be expected to be routinely exposed to subsurface soils. At

present, Site 4 is covered with concrete and hangars; consequently, there are no complete exposures pathways for this receptor under current conditions. In the future, site maintenance workers could be exposed to surface soil if the concrete and buildings were removed. As discussed above, no surface soil samples were collected at Site 4; therefore, potential exposures to surface soil by future site maintenance workers were not evaluated in this HHRA.

- **Construction/Excavation Worker** – A plausible on-site receptor under future land use if major construction activities were to occur. This receptor could be exposed to surface and subsurface soils by incidental ingestion, dermal contact, and inhalation (i.e., airborne particulates/vapors). The construction worker is assumed to be exposed to soil for 250 days per year (USEPA, 2002b) assuming a Reasonable Maximum Exposure (RME) scenario.

- **Typical Occupational Worker** – An on-site receptor under future land use. Future occupational workers may work at the site if the facility were to close and be developed for commercial/industrial uses. To provide information for risk management decisions, potential risks to future occupational workers are quantified in the risk assessments. This receptor could be exposed to surface soil by incidental ingestion, dermal contact, and inhalation (i.e., airborne particulates/vapors). This receptor would not be expected to be routinely exposed to subsurface soils. The occupational worker is expected to be exposed to surface soils for 250 days per year (USEPA, 1993 and 2002a) but less intensely than the maintenance or construction worker. At present, Site 4 is covered with concrete and hangars; consequently, there are no complete exposures pathways for this receptor under current conditions. In the future, occupational workers could be exposed to surface soil if the concrete and buildings were removed. As discussed above, no surface soil samples were collected at Site 4; therefore, potential exposures to surface soil by future site maintenance workers were not evaluated in this HHRA. It is assumed that the occupational worker is exposed to subsurface soil that was brought to the surface during excavation activities.

- **Adult and Adolescent Recreational User/Trespasser** – A plausible receptor under current and future land use. Although access to the base is controlled, once inside the base, access to Site 4 is not limited by any physical constraints. This receptor may be exposed to potentially contaminated surface soil by incidental ingestion, dermal contact, and inhalation (i.e., airborne particulates/vapors). At present Site 4 is covered with concrete and buildings consequently there are no complete exposures pathways for this receptor under current conditions. In the future, recreational users could be exposed to surface soil if the concrete and hangars were removed. As discussed above no surface soil samples were collected at Site 4; therefore, potential exposures to surface soil by recreational users were not evaluated in this HHRA.

- **On-Site Child and Adult Resident** – A hypothetical on-site receptor under future land use. The future residential scenario was quantitatively evaluated in the risk assessment for decision-making purposes, although this scenario is unlikely for NETPDTC Saufley. It is assumed a resident may be exposed to surface soils by incidental ingestion, dermal contract, and inhalation (i.e., airborne particulates/vapors). Future residents could also be exposed to groundwater only if drinking water wells were installed on the site in the future. This is very unlikely since the main source of water for the base is the Navy-owned well field located at NTTC Corry Station north of NETPDTC Saufley. However, the future residential drinking water scenario was evaluated for decision-making purposes. According to USEPA Region 4 and Region 9 guidance, a resident is assumed to be exposed to groundwater by ingestion and inhalation (i.e., airborne vapors). FDEP in Chapter 62-777, FAC assumes that a receptor is exposed to groundwater by ingestion only. Residential receptors are assumed to be exposed to groundwater 350 days per year (USEPA, 1993) for a total of 30 years. As discussed above, no surface soil samples were collected at Site 4; therefore, potential exposures to surface soil by hypothetical residents were not evaluated in this HHRA. It is assumed that hypothetical residents are exposed to subsurface soil that was brought to the surface during excavation activities.

6.3.2 Calculation of EPCs

The EPC, calculated for COPCs only, is a reasonable estimate of the chemical concentration likely to be contacted over time by a receptor, and is used to calculate estimated exposure intakes. Calculation of EPCs considered guidance described in Florida's Chapter 62-780, FAC (FDEP, 2005b).

The 95-percent upper confidence limit (UCL), which is based on the distribution of a dataset, is considered to be the best estimate of the exposure concentration for datasets with 10 or more samples (USEPA, 1992d). For datasets with less than 10 samples, the UCL is considered to be a poor estimate of the mean, and the EPC is defined as the maximum concentration. As specified in Chapter 62-780, FAC, the Florida UCL Calculator tool (Version 1.0) was used to calculate the UCLs. Printouts from the Florida UCL Calculator tool are included in Appendix H.

The following decision rules were used to calculate EPCs:

- If a soil dataset contains fewer than 10 samples, the EPC is defined as the maximum detected concentration.

- If a soil dataset contains 10 or more samples, the 95-percent UCL on the arithmetic mean (calculated using the Florida UCL Calculator Tool), which is based on the distribution of the dataset, was selected as the EPC.

- If the calculated 95-percent UCL exceeded the maximum detected concentration, the maximum concentration was used as the EPC.

- Sample and duplicate analytical results were averaged before the EPC was calculated.

- A data value less than the sample-specific detection limit was substituted with one-half the detection limit.

The EPCs for groundwater used in the USEPA risk evaluation are the maximum detected concentrations.

6.3.3 Chemical Intake and Risk Estimation

To evaluate risks by USEPA methodology, cancer and non-cancer risk estimates for COPCs detected in soil and groundwater are determined using the following simple "risk ratio" technique, which involves the selection (or development) of risk-based concentrations established at the 1×10^{-6} cancer risk level or HQ of 1 and the calculation of cancer and non-cancer risks based on the EPC and the risk based concentration:

$$\frac{\text{Risk Based Concentration}}{\text{EPC for COPC}} = \frac{\text{HQ of 1 or Cancer Risk Estimate of } 1 \times 10^{-6}}{\text{HQ or Cancer Risk Estimate for COPC}}$$

This is a valid technique for estimating risk because all of the intake and risk characterization equations used to develop risk-based concentrations are linear. The risk-based concentrations used in the HHRAs for the evaluation of exposure to soil are the State of Florida SCTLs or risk-based concentrations based on the methodology for the development of residential and industrial SCTLs presented in the draft Technical Report: Development of Cleanup Target Levels (CTLs) for Chapter 62-777 (FDEP, 2005b). Since most Florida groundwater CTLs are not risk-based values, the risk-based Region 9 PRGs are used in the risk ratio calculations.

Cancer and non-cancer risk estimates for all other receptors evaluated in the HHRA (i.e., the construction worker, the maintenance worker, and the recreational user/trespasser) are based on risk- based concentrations developed using the exposure dose assumptions and the simple intake equations presented in the following sections and the toxicity criteria (slope factors and reference doses) discussed in Section 6.4. The simple intake equations are combined to produce one risk-based concentration per chemical that accounts for ingestion, dermal, and inhalation exposures. (The risk-based concentration calculations are presented in Appendix H.) The risk-based concentrations are established by setting the cancer and non-cancer risk levels at 1×10^{-6} or HI of 1, respectively, and solving for the associated contaminant concentration in soil as demonstrated in the USEPA Risk Assessment Guidance for

Superfund, Part B (USEPA, 1991). The exposure assumptions selected for the construction worker, the maintenance worker, the recreational user/trespasser were based on current USEPA risk assessment guidance (USEPA, 1989 and 2004a) and State of Florida guidance (FDEP, 2005b). Risk assessment spreadsheets for the calculation of the risk estimates are presented in Appendix H.

6.3.3.1 Incidental Ingestion of Soil

Incidental ingestion of soil by potential receptors coincides with dermal exposure. Exposures associated with incidental ingestion were estimated in the following manner (USEPA, 1989):

$$Intake_{si} = \frac{(C_{si})(IR_s)(CF)(FI)(EF)(ED)}{(BW)(AT)}$$

where:

$Intake_{si}$	=	intake of contaminant "i" from soil (mg/kg/day)
C_{si}	=	concentration of contaminant "i" in soil (mg/kg)
IR_s	=	ingestion rate (mg/day)
FI	=	fraction ingested from contaminated source (dimensionless)
EF	=	exposure frequency (days/year)
ED	=	exposure duration (year)
CF	=	conversion factor ($1x10^{-6}$ kg/mg)
BW	=	body weight (kg)
AT	=	averaging time (days); for noncarcinogens, AT = ED x 365 days/year; for carcinogens, AT = 70 years x 365 days/year

As noted above, the State of Florida SCTLs are used to calculate cancer and non-cancer risk estimates for the hypothetical future resident and a typical industrial worker exposed to soil. Exposure assumptions for the construction workers are described below and were used to develop risk-based concentrations (Appendix H).

A default value of 1.0 (USEPA, 1989) is recommended for the fraction of soil ingested from the contaminated source. The ingestion rate was 330 mg per day for the construction worker (USEPA, 2002b).

6.3.3.2 Dermal Contact with Soil

Direct physical contact with soil may result in the dermal absorption of chemicals. Exposures associated with the dermal route were estimated in the following manner (USEPA, 1989 and 2004a):

$$\text{Intake}_{si} = \frac{(C_{si})(SA)(AF)(ABS)(CF)(EF)(ED)}{(BW)(AT)}$$

where:
- Intake_{si} = amount of chemical "i" absorbed during contact with soil (mg/kg/day)
- C_{si} = concentration of chemical "i" in soil (mg/kg)
- SA = skin surface area available for contact (cm^2/day)
- AF = skin adherence factor (mg/cm^2)
- ABS = absorption factor (dimensionless)
- CF = conversion factor (1×10^{-6} kg/mg)
- EF = exposure frequency (days/year)
- ED = exposure duration (year)
- BW = body weight (kg)
- AT = averaging time (days);
  for noncarcinogens, AT = ED x 365 days/year;
  for carcinogens, AT = 70 years x 365 days/year

As noted above, the State of Florida SCTLs were used to calculate cancer and non-cancer risk estimates for the hypothetical future resident and a typical industrial worker. Exposure assumptions for construction workers are described below and were used to develop risk-based concentrations.

The exposed surface areas of the body available for dermal contact are determined on a receptor-specific basis and are based on assumed human activities and clothing worn during exposure events. Current guidance (USEPA, 1997c and 2004a) was used to develop the assumptions concerning the amount of skin surface area available for contact for a receptor. For the construction worker, the head, hands, and forearms were assumed to be exposed to soils (assuming the receptors wear a short-sleeved shirt, long pants, and shoes). As recommended in the Risk Assessment Guidance for Superfund (RAGS) Part E (USEPA, 2004a), the skin surface area for a worker was assumed to be 3,300 cm^2. This value represents the average of the 50th-percentile areas of males and females more than 18 years old.

A soil adherence factor of 0.3 mg/cm^2 was used for the construction worker. This value is the 95th-percentile value for construction workers, (Exhibit 3.3; USEPA, 2004a).

For the constituents identified as COPCs in soil, the following dermal absorption factors were used (USEPA, Exhibit 3-4, 2004a):

- VOCs – 0.0
- SVOCs – 0.1

- PAHs – 0.13
- PCBs – 0.14
- Arsenic - 0.03
- Other inorganics – 0.001

The dermal absorption factors for VOCs, SVOCs, PAHs, PCBs, and arsenic are based on USEPA guidance (USEPA, Exhibit 3-4, 2004a) and the dermal absorption factors for the other inorganics are USEPA Region 4 values.

The same exposure frequencies and durations used in the estimation of ingestion intakes were used to estimate exposure via dermal contact.

6.3.3.3 Inhalation of Air and Fugitive Dust/Volatile Emissions

The amount of a chemical a receptor takes in as a result of breathing is determined using the concentration of the contaminant in air. Intakes of both particulates and vapors/gases are calculated using the same equation, as follows (USEPA, 1991 and 1996):

$$\text{Intake}_{ai} = \frac{(C_{ai})(IR_a)(ET)(EF)(ED)}{(BW)(AT)}$$

where: Intake_{ai} = intake of chemical "i" from air via inhalation (mg/kg/day)
C_{ai} = concentration of chemical "i" in air (mg/m^3)
IR_a = inhalation rate (m^3/hour)
ET = exposure time (hours/day)
EF = exposure frequency (days/year)
ED = exposure duration (year)
PEF = Particulate Emission Factor (m^3/kg)
VF = Volatization Factor (chemical-specific) (m^3/kg)
BW = body weight (kg)
AT = averaging time (days);
= for noncarcinogens, AT = ED x 365 days/year;
= for carcinogens, AT = 70 year x 365 days/year

As noted above, the State of Florida SCTLs are used to calculate cancer and non-cancer risk estimates for the hypothetical future resident and a typical industrial worker. Exposure assumptions for the construction workers are described below and were used to develop risk-based concentrations.

The same exposure frequencies and durations used in the estimation of ingestion and dermal intakes of soil were used to estimate exposure via inhalation of air and fugitive dust/volatile emissions. Additionally, for construction/excavation workers an inhalation rate of 2.5 m^3 per hour (USEPA, December 2002b) and an exposure time of 8 hours/day (i.e., 20 m^3 per day) were used to evaluate risks from inhalation of fugitive dusts and volatile emissions.

The concentrations of chemicals in air resulting from emissions from soil were developed following procedures presented in USEPA Soil Screening Guidance (USEPA, 1996 and 2002b), as follows:

$$C_a = C_s \times \left[\frac{1}{PEF} + \frac{1}{VF} \right]$$

where: C_a = chemical concentration in air, mg/m^3
C_s = chemical concentration in soil, mg/kg
PEF = Particulate Emission Factor, 1.241×10^9 m^3/kg (FDEP, February 2005)
VF = chemical-specific Volatization Factor, m^3/kg

For chemicals in soil that are not classified as volatile, the above equation reduces to:

$$C_a = C_s \times \left[\frac{1}{PEF} \right]$$

The Particulate Emissions Factor (PEF) relates the concentration of the chemical in soil with the concentration of dust particles in air. The Volatization Factor (VF) relates the concentration of the chemical in soil with the concentration in ambient air. The VFs used to calculate the alternate SCTLs were obtained from Table 4 of the Chapter 62-777 Technical Report (FDEP, 2005a). With the exception of the construction worker, the PEF value used to estimate risks from inhalation of fugitive dusts was 1.241×10^9 m^3/kg, which was developed by the State of Florida in FAC 62-777 (FDEP, 2005a). The PEF calculated for the construction worker was 2.43×10^6 m^3/kg (USEPA, 2002a).

6.3.3.4 Ingestion of Groundwater

Residents may be exposed to groundwater via direct ingestion. The Region 9 PRGS used in the risk calculations were derived using the following ingestion intake equation and exposure parameters (USEPA, 1989 and USEPA, 2004b):

$$\text{Intake}_{wi} = \frac{(C_{wi})(IR_w)(EF)(ED)}{(BW)(AT)}$$

where: $Intake_{wi}$ = intake of chemical "i" from water (mg/kg/day)

C_{wi} = concentration of chemical "i" in water (mg/L)

IR_w = ingestion rate for groundwater (L/day)

EF = exposure frequency (days/year)

ED = exposure duration (year)

BW = body weight (kg)

AT = averaging time (days);
for noncarcinogens, AT = ED x 365 days/year;
for carcinogens, AT = 70 years x 365 days/year

This scenario assumes that a receptor is exposed 350 days per year for 30 years using an adjusted intake factor (adult + child ingestion rates) of 1.1 L-year/kg-day for carcinogenic effects and an ingestion rate of 2 liters per day for noncarcinogens (USEPA, 2004b).

6.3.3.5 Inhalation of Volatiles from Groundwater

Several VOCs were identified as a COPC for groundwater. Future residents may be exposed to VOC vapors from groundwater while bathing or showering The Region 9 PRG used in the risk calculation for chloroform was derived using the following inhalation intake equation and exposure parameters (USEPA, 2004b):

$$\text{Intake}_{winh} = \frac{(C_{wi})(VF_w)(InhF)(EF)(ED)}{(BW)(AT)}$$

where: $Intake_{winh}$ = intake of chemical "i" from water by inhalation (mg/kg/day)

C_{wi} = concentration of chemical "i" in water (mg/L)

InhF = inhalation rate (m^3/day)

VF_w = volatization factor for water (0.5 L/m^3)

EF = exposure frequency (days/year)

ED = exposure duration (year)

BW = body weight (kg)

AT = averaging time (days);
for noncarcinogens, AT = ED x 365 days/year;
for carcinogens, AT = 70 years x 365 days/year

The inhalation scenario assumes that a receptor is exposed 350 days per year for 30 years using an adjusted intake factor (adult + child ingestion rates) of 11 m^3-year/kg-day for carcinogenic effects and an inhalation rate of 20 m^3 per day for noncarcinogens (USEPA, 2004b).

The ingestion and inhalation intake equations are combined to produce one risk-based concentration per chemical that accounts for ingestion and inhalation exposures (USEPA, 2004b).

6.4 TOXICITY ASSESSMENT PROTOCOL

The objective of a toxicity assessment is to identify the potential for human health hazards and adverse effects in exposed populations. A significant portion of the toxicity assessment of the HHRAs has been completed because CSFs and RfDs were selected by the State of Florida during the development of the residential and industrial soil SCTLs and GCTLs. A CSF is an indicator of the potency of a chemical carcinogen (i.e., the greater the CSF, the more potent the carcinogen). An RfD is the dose at or below which adverse non-carcinogenic effects are not anticipated. These factors represent quantitative estimates of the relationship between the magnitude and types of exposures and the severity or probability of human health effects and were used to develop risk-based concentrations as described above.

6.4.1 Sources of Toxicity Criteria

Oral and inhalation RfDs and CSFs used in the HHRAs were obtained from the following primary recommended USEPA sources:

- Integrated Risk Information System (IRIS) (online).

- USEPA Provisional Peer Reviewed Toxicity Values (PPRTVs) – The Office of Research and Development/National Center for Environmental Assessment (NCEA) Superfund Health Risk Technical Support Center develops PPRTVs on a chemical-specific basis when requested by USEPA's Superfund program.

- Tables 5a and 5b of the FDEP 62-777 Technical Report (FDEP, 2005a).

- Other Toxicity Values – These sources include, but are not limited, to California Environmental Protection Agency (Cal EPA) toxicity values, the Agency for Toxic Substances and Disease Registry (ATSDR) Minimal Risk Levels (MRLs), and the Annual Health Effects Assessment Summary Tables (HEAST) (USEPA, 1997b).

Although RfDs and CSFs can be found in several toxicological sources, USEPA's IRIS online database, which is continuously updated, is the preferred source of toxicity values. The USEPA Region 9 PRG Tables (USEPA, 2004b) and Region 3 Risk-Based Concentration (RBC) tables (USEPA, 2007a) are also used as sources of toxicity criteria when criteria are not available from the aforementioned references.

6.4.2 Toxicity Criteria for Dermal Exposure

RfDs and CSFs found in literature are frequently expressed as administered doses; therefore, these values are considered to be inappropriate for estimating the risks associated with dermal routes of exposure. Oral dose-response parameters based on administered doses must be adjusted to absorbed doses before comparisons to estimate dermal exposure intakes are made.

The adjustment from administered to absorbed dose was made using the following chemical-specific absorption efficiencies published in RAGS Part E:

$$RfD_{dermal} = (RfD_{oral})(ABS_{GI})$$

$$CSF_{dermal} = (CSF_{oral})/(ABS_{GI})$$

where: ABS_{GI} = absorption efficiency in the gastrointestinal tract

6.4.3 Toxicity Criteria for Carcinogenic Effects of PAHs

Limited toxicity values are available to evaluate the carcinogenic effects from exposure to PAHs. The most extensively studied PAH is benzo(a)pyrene, which is classified by the USEPA as a probable human carcinogen. Although CSFs are available for benzo(a)pyrene, insufficient data are available to calculate CSFs for other carcinogenic PAHs. Toxic effects for these chemicals were evaluated using the concept of estimated orders of potential potency, as presented in USEPA Region 4 guidance (USEPA, 2000) and in the Chapter 62-777 Technical Report. Toxicity Equivalence Factors (TEFs), which indicate the potency of each PAH compound relative to that of benzo(a)pyrene, are available for select carcinogenic PAHs. The equivalent oral and inhalation CSFs for PAHs other than benzo(a)pyrene are derived by multiplying the CSF for benzo(a)pyrene by the TEF for the PAH compounds (USEPA, 2000 and FDEP, 2005a).

These TEFs were used to convert the individual carcinogenic PAH concentrations to an equivalent concentration of benzo(a)pyrene. Both the COPC screening and quantitative risk estimates were based on an evaluation of the equivalent concentrations of benzo(a)pyrene. The carcinogenic PAHs actually detected at least once in a soil dataset were used in the calculation. Non-detect results were assigned a value of ½ the sample quantitation limit prior to the calculation. However, those carcinogenic PAHs not detected in any sample within the dataset were not considered in the calculation. If carcinogenic PAHs were not detected in a sample, ½ the sample quantitation limit presented for benzo(a)pyrene was used to calculate the equivalent concentration of benzo(a)pyrene in that sample.

6.5 RISK CHARACTERIZATION (USEPA METHODOLOGY)

This section provides a characterization of the human health risks associated with the potential exposures to chemicals in subsurface soil and groundwater at Site 4. The results of the risk characterization are discussed below. Potential risks (non-carcinogenic and carcinogenic) for individual chemicals detected in soil and groundwater at Site 4 were estimated using the simple risk ratio technique presented in Section 6.3.3. As discussed in Section 6.3.1, potential risks were estimated for three receptors (the hypothetical future resident, the typical industrial worker, and the construction worker) using USEPA and FDEP risk assessment guidance. The total risk from exposure to all COPCs was calculated in accordance with the risk assessment methods outlined in USEPA guidance (USEPA, 1989). Risks to human receptors are also characterized per FDEP guidelines/criteria established in Rule 62-780, FAC in Section 6.6.3 Supporting documentation for the site-specific HHRAs is presented in Appendix H.

6.5.1 Evaluation of Chemicals Other Than Lead

Quantitative estimates of risk for chemicals other than lead were calculated according to risk assessment methods outlined in Section 6.3.3. The methodology is based on standard USEPA guidance (USEPA, 1989). Lifetime cancer risks are expressed in the form of dimensionless probabilities referred to as ILCRs, which are based on CSFs. An ILCR of 1×10^{-6} indicates the exposed receptor has an one-in-one-million chance of developing cancer under the defined exposure scenario. Alternatively, such a risk may be interpreted as representing one additional case of cancer in an exposed population of one million persons. Cancer risk estimates developed for individual chemicals are summed and presented as the total cancer risk estimate for each receptor. Non-carcinogenic risk estimates for individual chemicals are presented as HQs, which are based on RfDs. An HQ is the ratio of the intake to the RfD and is an indicator of the potential for adverse non-carcinogenic health effects. An HI is generated by summing the individual HQs for all COPCs. The HI is not a mathematical prediction of the severity of toxic effects and therefore is not a true "risk"; it is simply a numerical indicator of the possibility of the occurrence of non-carcinogenic (threshold) effects. As discussed below, HIs were calculated on a target organ/target effect basis.

6.5.2 Interpretation of Quantitative Risk Assessment Results

To interpret the quantitative risks and to aid risk managers in determining the need for remediation at a site, quantitative risk estimates are compared to typical risk benchmarks. Calculated ILCRs are interpreted using the USEPA's target range (1×10^{-6} to 1×10^{-4}) (i.e., a one-in-ten-thousand to one-in-one-million chance of developing cancer) and the State of Florida goal for a total cancer risk of 1×10^{-6}. HIs are evaluated using a value of 1.0.

The USEPA has defined the range of 1 x 10^{-6} to1 x 10^{-4} as the ILCR target range for hazardous waste facilities addressed under the CERCLA and the Resource Conservation and Recovery Act (RCRA). Individual or cumulative ILCRs greater than 1 x 10^{-4} are generally not considered as protective of human health. The State of Florida has established a cumulative cancer goal of 1 x 10^{-6} for receptors exposed to contaminated environmental media at a site. These benchmarks are used in the interpretation of the risk characterization results.

An HI exceeding unity (1.0) indicates there may be potential non-carcinogenic health risks associated with exposure. However, when an HI exceeds unity, target organs effects associated with exposure to COPCs are considered. Only the HQs for those chemicals affecting the same target organ(s) or exhibit similar critical effect(s) are regarded as truly additive. Consequently, it may be possible for a cumulative HI to exceed 1.0, but no adverse health effects are anticipated if the COPCs do not affect the same target organ or exhibit the same critical effect (i.e., the HIs developed on a target-organ-specific basis do not exceed 1). Individual target organ HIs for all receptors are presented in the risk calculation tables in Appendix H.

6.5.3 Risk Characterization Using USEPA Guidelines

This section contains a summary of the results of the risk characterization for Site 4 conducted according to USEPA guidance. Quantitative risk estimates for potential human receptors were developed for those chemicals identified as COPCs in Section 6.2. Potential cancer risks and HIs were calculated using the methodology presented in Section 6.3 and are summarized in Table 6-4. The results are discussed below. Chemical-specific risks are presented in Appendix H.

6.5.3.1 Non-Carcinogenic Risk

Cumulative HIs estimated for exposures to subsurface soil by hypothetical residents and industrial workers were less than 1. The cumulative HI for construction workers exposed to subsurface soil exceeded 1 although the HQs for the individual target organs were less than 1, indicating that adverse non-carcinogenic effects are not anticipated for these receptors under the conditions established in the exposure assessment. However, the hazard index for exposure to groundwater by the hypothetical future resident (HI = 41) is greater than one. Total xylenes (HQ = 4), cis-1,2-dichloroethene (HQ = 6), 1-methylnaphthalene (HQ = 1), 2-methylnaphthalene (HQ = 2), naphthalene (HQ = 13), chromium (HQ = 8), and manganese (HQ = 3) were the major contributors to the HI.

TABLE 6-4
SUMMARY OF CANCER RISKS AND HAZARD INDICES
SITE 4 REMEDIAL INVESTIGATION REPORT
OLF SAUFLEY
PENNSACOLA, FLORIDA

Receptor	Media	Cancer Risk	Chemicals with Cancer Risks $> 10^{-4}$	Chemicals with Cancer Risks $> 10^{-5}$ and $\leq 10^{-4}$	Chemicals with Cancer Risks $> 10^{-6}$ and $\leq 10^{-5}$	Hazard Index	Chemicals Contributing to an HI > 1
Industrial Workers	Subsurface Soil	2E-07	- -	- -	- -	0.03	- -
Construction Workers	Subsurface Soil	9E-07	- -	- -	- -	2	- -
Hypothetical Future Residents	Subsurface Soil	1E-06	- -	- -	- -	0.7	- -
	Groundwater	3E-04	- -	Benzene, Chloroform, Vinyl Chloride, Arsenic, BaP Equivalents	Chlorodibromomethane, Tetrachloroethene	41	cis-1,2-Dichloroethene, Total Xylenes, 1-Methylnaphthalene, 2-Methylnaphthalene, Naphthalene, Chromium, Manganese

Notes:
HI - Hazard Index.
BaP - Benzo(a)pyrene

6.5.3.2 Carcinogenic Risk

Cumulative ILCRs for exposure to subsurface soil were within USEPA's target risk range of 10^{-4} to 10^{-6} and less than or equal to FDEP's acceptable risk level of 1×10^{-6} for cumulative exposures by all receptors.

The ILCR 0f 3×10^{-4} for exposure to groundwater by the hypothetical future resident exceeded USEPA's target risk range of 10^{-4} to 10^{-6} and FDEP's acceptable risk level of 1×10^{-6} for cumulative exposures. Arsenic (ILCR = 1×10^{-4}), benzene (ILCR = 7×10^{-5}), vinyl chloride (ILCR = 2×10^{-5}), chloroform (ILCR = 2×10^{-5}), carcinogenic PAHs (ILCR = 2×10^{-5}), tetrachloroethene (ILCR = 5×10^{-6}), and chlorodibromomethane (ILCR = 4×10^{-6}) were the major contributors to the ILCRs.

6.6 RISK CHARACTERIZATION USING FDEP CHAPTERS 62-777 AND 62-780, FAC

This section describes the State of Florida methodology used to evaluate risks for soil and groundwater at Site 4. The risk assessment methodology is based on guidance provided in Chapter 62-780, FAC, which makes use of a phased risk-based corrective action process that is iterative and tailors site rehabilitation to site-specific conditions and risks. Rule 62-780 is used in conjunction with Chapter 62-777, FAC which provides the methodology used to establish the FDEP CTLs for the residential, commercial/industrial, or alternate land use scenarios. The methodologies described in the following paragraphs are presented in Appendix D and Appendix E of the Technical Report for Chapter 62-777 FAC (FDEP, 2005a)

The FDEP risk characterization is performed, in part, through a series of tables in which concentrations of chemicals detected at a site are compared to various FDEP soil and groundwater criteria or to criteria developed according to guidelines presented in Chapter 62-777, FAC. The soil criteria include SCTLs for direct contact (i.e., ingestion, dermal contact, and inhalation), SCTLs for leachability to groundwater, soil saturation concentrations (C_{sat}) for an evaluation of free product, and background levels for metals. The groundwater criteria include CTLs for direct contact with groundwater (based on ingestion), water solubility values for evaluating the potential for the presence of free product (for organic chemicals), and background levels for metals.

6.6.1 Florida Methodology for Evaluating Soil

Using the guidance provided in Chapters 62-780 and 62-777, FAC, soil at Site 4 was evaluated for the following land use scenarios:

- Residential land use [Risk Management Option (RMO)Level I]
- Commercial/industrial land use (RMO Level II)

The evaluation of the hypothetical future residential and commercial/industrial land use of a site is described under RMO Levels I and II, respectively, of Rule 62.780.680. RMO Level III of the rule allows for the development and use of alternative SCTLs based on, for example, a site-specific risk assessment. Alternative SCTLs were not developed in this HHRA since concentrations of chemicals in subsurface soil were less than the Level II SCTLs.

A site is first evaluated for residential land use (Level I) for surface and subsurface soil. If the concentrations of chemicals detected at the site are less than their respective criteria, the site is not evaluated further. However, if any of the Level I criteria are exceeded, the site is evaluated for commercial/industrial land use (Level II). The process is then repeated for potential recreational land use (Level III), if necessary. The comparisons conducted for each level are presented in Tables 6-5 and 6-6 with the chemicals exceeding the relevant screening levels (i.e., the potential COCs) highlighted. Supporting documentation is presented in Appendix H, as necessary. Using the guidance provided in Chapters 62-777 and 62-780 the following evaluations were performed for Site 4:

Comparison with Direct Contact SCTLs. According to the FDEP guidance documents, under RMOs Level I and Level II, the maximum detected concentration of each contaminant may be compared with the respective default SCTL listed in Chapter 62-777, FAC or, the 95 percent UCL of the mean of the site concentrations can be compared with apportioned chronic toxicity-based SCTLs. Under RMO Level III, UCLs may be compared with apportioned chronic toxicity-based SCTLs only.

In this risk assessment, for RMO Levels I and II, maximum detected subsurface soil concentrations are compared to the default (non-apportioned) SCTLs because an initial review of the analytical data, the maximum detected concentrations, and the EPCs (calculated as described in Section 6.3.3) indicated the list of potential COCs would not increase if the maximum detected concentration versus the EPC were evaluated using the default SCTLs.) Therefore, if the maximum detected concentration for a chemical exceeds the direct contact SCTL for RMO Levels I and II (and background levels for metals), the constituent is identified as a potential COC and may be further evaluated using various apportionment approaches described in the following sections.

6.6.1.1 Methods of Apportioning the SCTLs

Simple Apportionment. For situations in which apportionment is applicable, several methods of apportionment are available, as described in Appendix D of the Technical Report. The most straight forward method is simple apportionment. For simple apportionment, the default SCTL for each chemical is divided by the number of chemicals that produce the same type of toxicity. For carcinogens, the value of the simple apportioned SCTL is calculated by dividing the non-apportioned SCTL (residential,

TABLE 6-5
FLORIDA LEVEL 1 (RESIDENTIAL) DIRECT CONTACT EVALUATION - SUBSURFACE SOIL
SITE 4 REMEDIAL INVESTIGATION REPORT
OLF SAUFLEY
PENSACOLA, FLORIDA

CAS Number	Chemical	Frequency of Detection	Maximum Concentration	Sample of Maximum Concentration	Site Above Background?(1)	Non-Apportioned Florida Residential SCTL-Direct Contact(2)	Ratio of Maximum Concentration/ Non-apportioned Residential SCTL	Is Chemical a Potential Level 1 COC?(3)	Rationale/Comments
Volatile Organic Compounds (ug/kg)									
78-93-3	2-Butanone	3/33	6.3 J	OLFS4-MW35S-29	NA	16000000 N	0.0000004	No	maximum < SCTL
67-64-1	Acetone	2/33	4.3 J	OLFS4-DPW11-S45	NA	11000000 N	0.0000004	No	maximum < SCTL
75-09-2	Methylene Chloride	1/38	270 J	OLFS4-DPW16-S4	NA	17000 C	0.02	No	maximum < SCTL
1330-20-7	Total Xylenes	1/63	2.4 J	OLFS4-MW25-S-40	NA	130000 N	0.00002	No	maximum < SCTL
Semivolatile Organic Compounds (ug/kg)									
92-52-4	1,1-Biphenyl	1/33	340 J	OLFS4-MW33S-5	NA	3000000 N	0.0001	No	maximum < SCTL
91-57-6	2-Methylnaphthalene	2/63	1500	OLFS4-MW33S-5	NA	210000 N	0.007	No	maximum < SCTL
132-64-9	Dibenzofuran	1/33	190 J	OLFS4-MW33S-5	NA	320000 N	0.0006	No	maximum < SCTL
86-73-7	Fluorene	2/63	170 J	OLFS4-MW33S-5	NA	2600000 N	0.00007	No	maximum < SCTL
91-20-3	Naphthalene	2/63	350 J	OLFS4-DPW15-S4	NA	55000 N	0.006	No	maximum < SCTL
85-01-8	Phenanthrene	1/63	75 J	OLFS4-MW33S-5	NA	2200000 N	0.00003	No	maximum < SCTL
Pesticides/PCBs (ug/kg)									
11096-82-5	Aroclor-1260	1/36	6.6 J	OLFS4-DPW15-S4	NA	500 C	0.01	No	maximum < SCTL
Metals (mg/kg)									
7429-90-5	Aluminum	45/45	21500	OLFS4-DPW18-S12	Yes	80000 N	0.3	No	maximum < SCTL
7440-38-2	**Arsenic**	55/55	4.2	OLFS4-MW33S-5	Yes	2.1 C	**2**	Yes	maximum > SCTL
7440-39-3	Barium	45/45	30.1	OLFS4-MW33S-5	Yes	120 N	0.3	No	maximum < SCTL
7440-70-2	Calcium	26/45	762	OLFS4-DPW15-S4	No	---	---	No	Essential Nutrient
7440-47-3	Chromium	55/55	25.3	OLFS4-DP12-S20	Yes	210 C	0.1	No	maximum < SCTL
7440-48-4	Cobalt	16/45	1.2	OLFS4-MW33S-5	No	1700 N	0.0007	No	maximum < SCTL
7440-50-8	Copper	45/45	6.9	OLFS4-DPW18-S12	Yes	150 N	0.05	No	maximum < SCTL
7439-89-6	Iron	45/45	14100	OLFS4-SB3-S-10	Yes	53000 N	0.3	No	maximum < SCTL
7439-92-1	Lead	55/55	5.2	OLFS4-DP27-S4	No	400	0.01	No	maximum < SCTL
7439-95-4	Magnesium	21/45	203	OLFS4-DPW21-S12	Yes	---	---	No	Essential Nutrient
7439-96-5	Manganese	45/45	588	OLFS4-MW33S-5	Yes	3500 N	0.2	No	maximum < SCTL
7439-97-6	Mercury	2/45	0.019	OLFS4-DPW15-S4, OLFS4-MW33S-5	No	3	0.006	No	maximum < SCTL
7440-02-0	Nickel	35/45	3.1	OLFS4-DPW21-S12	No	340 N	0.009	No	maximum < SCTL
7440-09-7	Potassium	19/45	215	OLFS4-DPW01-S45	No	---	---	No	Essential Nutrient
7782-49-2	Selenium	2/45	0.35	OLFS4-SB4-S-45	No	440 N	0.0008	No	maximum < SCTL
7440-23-5	Sodium	1/45	1090	OLFS4-DPW12-S45	Yes	---	---	No	Essential Nutrient
7440-62-2	Vanadium	45/45	35.8 J	OLFS4-SB3-S-10	Yes	67 N	0.5	No	maximum < SCTL
7440-66-6	Zinc	39/45	8.9	OLFS4-DPW21-S12	No	26000 N	0.0003	No	maximum < SCTL
Miscellaneous Parameters (mg/kg)									
57-12-5	Cyanide	1/45	0.17	OLFS4-DPW07-S45	NA	34 N	0.005	No	maximum < SCTL
Petroleum Hydrocarbons (mg/kg)									
	TPH (C08-C40)	8/63	730	OLFS4-MW33S-5	NA	460 N	**2**	Yes	maximum > SCTL

Footnotes

1 - To determine whether metal concentrations were within background levels, soil concentrations were compared to facility background levels described in Section 6.1.1.1. If the maximum concentration of a chemical is less than the background value, that chemical was not selected as a COPC.
2 - Soil Cleanup Target Levels (SCTLs) for Chapter 62-777, FAC, Florida Department of Environmental Protection (FDEP), April 2005b.
3 - A chemical is selected as a potential COC if the maximum concentration exceeds the non-apportioned SCTL and, for metals, if the site concentrations exceed background levels. If the maximum concentration of a chemical is less than the background value, that chemical was not selected as a COPC.
4 - Value is for chlordane.
5 - Value is for endrin.

NA - Not Applicable. According to Rule 62-780 only naturally occurring (inorganic) constituents are considered in the background evaluation.

TABLE 6-6
FLORIDA LEVEL 2 (INDUSTRIAL) DIRECT CONTACT EVALUATION - SUBSURFACE SOIL
SITE 4 REMEDIAL INVESTIGATION REPORT
OLF SAUFLEY
PENSACOLA, FLORIDA

CAS Number	Chemical	Frequency of Detection	Maximum Concentration	Sample of Maximum Concentration	Site Above Background?(1)	Non-Apportioned Florida Residential SCTL-Direct Contact(2)	Ratio of Maximum Concentration/ Non-apportioned Residential SCTL	Is Chemical a Potential Level 2 COC?(3)	Rationale/Comments
Volatile Organic Compounds (ug/kg)									
78-93-3	2-Butanone	3/33	6.3 J	OLFS4-MW35S-29	NA	110000000 N	0.0000001	No	maximum < SCTL
67-64-1	Acetone	2/33	4.3 J	OLFS4-DPW11-S45	NA	68000000 N	0.0000001	No	maximum < SCTL
75-09-2	Methylene Chloride	1/38	270 J	OLFS4-DPW16-S4	NA	26000 C	0.01	No	maximum < SCTL
1330-20-7	Total Xylenes	1/63	2.4 J	OLFS4-MW25-S-40	NA	700000 N	0.000003	No	maximum < SCTL
Semivolatile Organic Compounds (ug/kg)									
92-52-4	1,1-Biphenyl	1/33	340 J	OLFS4-MW33S-5	NA	34000000 N	0.00001	No	maximum < SCTL
91-57-6	2-Methylnaphthalene	2/63	1500	OLFS4-MW33S-5	NA	2100000 N	0.0007	No	maximum < SCTL
132-64-9	Dibenzofuran	1/33	190 J	OLFS4-MW33S-5	NA	6300000 N	0.00003	No	maximum < SCTL
86-73-7	Fluorene	2/63	170 J	OLFS4-MW33S-5	NA	33000000 N	0.000005	No	maximum < SCTL
91-20-3	Naphthalene	2/63	350 J	OLFS4-DPW15-S4	NA	300000 N	0.001	No	maximum < SCTL
85-01-8	Phenanthrene	1/63	75 J	OLFS4-MW33S-5	NA	36000000 N	0.000002	No	maximum < SCTL
Pesticides/PCBs (ug/kg)									
11096-82-5	Aroclor-1260	1/36	6.6 J	OLFS4-DPW15-S4	NA	2600 C	0.003	No	maximum < SCTL
Metals (mg/kg)									
7429-90-5	Aluminum	45/45	21500	OLFS4-DPW18-S12	Yes	(4)	---	No	(4)
7440-38-2	Arsenic	55/55	4.2	OLFS4-MW33S-5	Yes	12 C	0.4	No	maximum < SCTL
7440-39-3	Barium	45/45	30.1	OLFS4-MW33S-5	Yes	130000 N	0.0002	No	maximum < SCTL
7440-70-2	Calcium	26/45	762	OLFS4-DPW15-S4	No	---	---	No	Essential Nutrient
7440-47-3	Chromium	55/55	25.3	OLFS4-DP12-S20	Yes	470 C	0.05	No	maximum < SCTL
7440-48-4	Cobalt	16/45	1.2	OLFS4-MW33S-5	No	42000 N	0.00003	No	maximum < SCTL
7440-50-8	Copper	45/45	6.9	OLFS4-DPW18-S12	Yes	89000 N	0.00008	No	maximum < SCTL
7439-89-6	Iron	45/45	14100	OLFS4-SB3-S-10	Yes	(4)	---	No	(4)
7439-92-1	Lead	55/55	5.2	OLFS4-DP27-S4	No	1400	0.004	No	maximum < SCTL
7439-95-4	Magnesium	21/45	203	OLFS4-DPW21-S12	Yes	---	---	No	Essential Nutrient
7439-96-5	Manganese	45/45	588	OLFS4-MW33S-5	Yes	43000 N	0.01	No	maximum < SCTL
7439-97-6	Mercury	2/45	0.019	OLFS4-DPW15-S4, OLFS4-MW33S-5	No	17	0.001	No	maximum < SCTL
7440-02-0	Nickel	35/45	3.1	OLFS4-DPW21-S12	No	35000 N	0.00009	No	maximum < SCTL
7440-09-7	Potassium	19/45	215	OLFS4-DPW01-S45	No	---	---	No	Essential Nutrient
7782-49-2	Selenium	2/45	0.35	OLFS4-SB4-S-45	No	11000 N	0.00003	No	maximum < SCTL
7440-23-5	Sodium	1/45	1090	OLFS4-DPW12-S45	Yes	---	---	No	Essential Nutrient
7440-62-2	Vanadium	45/45	35.8 J	OLFS4-SB3-S-10	Yes	10000 N	0.004	No	maximum < SCTL
7440-66-6	Zinc	39/45	8.9	OLFS4-DPW21-S12	No	630000 N	0.00001	No	maximum < SCTL
Miscellaneous Parameters (mg/kg)									
57-12-5	Cyanide	1/45	0.17	OLFS4-DPW07-S45	NA	11000 N	0.00002	No	maximum < SCTL
Petroleum Hydrocarbons (mg/kg)									
	TPH (C08-C40)	8/63	730	OLFS4-MW33S-5	NA	2700 N	0.3	No	maximum < SCTL

Footnotes

1 - To determine whether metal concentrations were within background levels, soil concentrations were compared to facility background levels described in Section 6.1.1.1. If the maximum concentration of a chemical is less than the background value, that chemical was not selected as a COPC.

2 - Soil Cleanup Target Levels (SCTLs) for Chapter 62-777, FAC, Florida Department of Environmental Protection (FDEP), April 2005b.

3 - A chemical is selected as a potential COC if the maximum concentration exceeds the non-apportioned SCTL and, for metals, if the site concentrations exceed background levels. If the maximum concentration of a chemical is less than the background value, that chemical was not selected as a COPC.

4 - Chemical is not a health concern for this exposure scenario.

NA - Not Applicable. According to Rule 62-780 only naturally occurring (inorganic) constituents are considered in the background evaluation.

commercial/industrial, or recreational) by the number carcinogenic chemicals detected in a surface or subsurface soil dataset. For example, if five carcinogens were detected in a surface soil dataset for a site, the simple apportioned SCTLs for carcinogens are the non-apportioned SCTLs divided by 5 (FDEP, 2005a). For noncarcinogens, the simple apportioned SCTL is determined by dividing the non-apportioned SCTL by the number of chemicals impacting the same target organ. If the liver, for example, is identified as the target organ for seven noncarcinogens in a dataset, the simple apportioned SCTLs for those chemicals are the non-apportioned values divided by 7.

Not all SCTLs should be apportioned. The Technical Report (FDEP, 2005a) lists the following exceptions to apportioning:

1. Do not apportion an SCTL based on natural background concentration or practical quantitation limit. These are criteria that are not directly risk-based, and therefore are not subject to apportionment.

2. Do not apportion an SCTL based on acute toxicity. These SCTLs are always regarded as not-to-exceed values, and the default value should be compared with the maximum concentration on site. (Note that acute toxicity SCTLs are applicable only in situations where small children might be present, such as a residence, playground, or school.) Of the chemicals detected in soil at Site 4, the residential SCTLs for barium, copper, and vanadium are acute values.

3. Do not apportion lead (Pb) SCTLs. Both residential and commercial/industrial lead SCTLs are based on a unique type of toxicological analysis that is not amenable to the standard apportionment process.

4. Do not apportion the SCTLs for chemicals present in low concentrations. Eliminate from consideration at a site chemicals whose maximum concentration is less than or equal to 1/10 the default SCTL. Chemicals present in low concentrations are unlikely to contribute substantially to risk and unnecessarily complicate the apportionment process. As shown in Tables 6-5 and 6-6, the maximum concentrations of most detected chemicals (all except carcinogenic PAHs, arsenic, barium, copper, lead, and vanadium) were less than 1/10 of the default SCTLs for surface and subsurface soil. Therefore, the SCTLs for most chemicals detected in soil at Site 4 were not apportioned.

5. Do not apportion the SCTLs for chemicals detected infrequently. A chemical can be eliminated from consideration at a site if it is detected a) in only one out of 10 or more samples, or 5 percent or fewer out of 20 or more samples, and in only one environmental medium; and b) in low concentrations (no more than the default SCTL); and c) there is no reason to believe that the chemical may be present due to historical site activities. These criteria are intended to eliminate

chemical detections that are artifacts from sampling, analytical, or other problems. They are not intended to eliminate chemicals present due to site activities in localized areas of contamination.

Weighted Apportionment. In most situations, simple apportionment will be overly conservative in that the sum of the risks represented by the individual chemical SCTLs are likely to be below FDEP target risks of $1x10^{-6}$ and a HI (for each target organ/system or effect) of 1. This can be avoided by weighted apportioning. One method of weighted apportioning involves calculation of ratios of the 95 percent UCLs for chemicals to their SCTLs. The 95 percent UCL for each chemical subject to apportionment is divided by its default SCTL. If the sum of the ratios is less than 1, the chemicals have met the FDEP's risk goals. If the sum is greater than 1, dividing the concentration of each by the sum of the ratios will yield apportioned SCTLs that match exactly the risk goals. In this approach, steps to achieve the apportioned SCTLs are expected to produce proportional decreases in the concentrations of each chemical. This approach makes sense if the chemicals are co-located, such that removal of one chemical results in similar reduction in others.

Non-Proportional Weighted Apportionment. Another method of weighted apportionment is non-proportional reductions in default SCTLs among chemicals with additive effects. As with other methods, the objective of the reduction in default SCTLs is to achieve a situation in which the sum of the risks posed by apportioned SCTLs does not exceed FDEP's risk goals for any health effect. However, in this approach, the reduction may be taken unevenly among the chemicals. This approach is useful if the chemicals are not co-located, and removal of one or more chemicals can be achieved more easily or more economically than the others. Risks can be distributed optimally among the apportioned SCTLs based on site conditions, as long as the sums of the risks they represent meet the goals of 1×10^{-6} excess cancer risk and a HI of 1.

Weighted apportionment is performed on a chemical by chemical basis when it is feasible and appropriate, as determined by the human health risk assessor. In practice, weighted apportionment is often an option when cumulative quantitative risk assessment results derived as described in preceding sections are less than FDEP risk benchmarks (i.e., a cancer risk estimate of 1×10^{-6} for carcinogens and an HI of 1 for noncarcinogens).

When the 95 percent UCL approach is used to develop exposure concentrations, two criteria must be satisfied when comparing site concentrations to the SCTLs, either default or alternative:

1) The 95 percent UCL must meet or be below the apportioned SCTL; and

2) The maximum concentration remaining on site must meet or be below a concentration three-times the unapportioned SCTL in RMO Levels I and II, and below three-times the apportioned SCTL in RMO

Level III. Using the 95 percent UCL as the basis to determine whether the SCTL has been achieved for a site means that some areas can have concentrations above the SCTL, as long as other areas are below. In this context, it is important to insure that concentrations above the SCTL allowed to remain do not constitute an unacceptable health risk.

In the risk assessment for Site 4, SCTLs were apportioned (by simple apportionment) for Risk Management Option Level III. In the Level III evaluations, only the maximum concentrations of carcinogenic PAHs and lead were more than three times their respective non-apportioned SCTLs and these constituents were selected as potential COCs for soil.

6.6.1.2 Comparison with Leachability-based SCTLs

The potential for leaching was addressed through comparisons with SCTLs for Leachability Based on Groundwater Criteria (FDEP, 2005a). Unlike direct contact SCTLs, which are based primarily on long-term exposure covering a specified area, leachability-based default SCTLs are intended to protect water resources at all locations. Consequently, maximum rather than average (or 95 percent UCL) concentrations are compared with leaching criteria. If the maximum concentration of a chemical exceeds its respective leachability SCTL, that chemical is identified as a potential COC.

Evaluation of Free Product in Soil.

The potential for the presence of free product (for organic chemicals) was evaluated by comparing maximum site concentrations to soil saturation (C_{sat}) limits. The C_{sat} values are provided in Table 8 of Chapter 62-777, FAC (FDEP, 2005a). The C_{sat} comparisons indicated the concentrations of all organic chemicals detected in soil at the sites evaluated in this report were significantly less than the C_{sat} levels. Therefore, it is unlikely these chemicals are present as free product at any of the sites.

6.6.2 Florida Methodology for Evaluating Groundwater

This section describes the methodology used to evaluate groundwater at Site 4 using guidelines presented in Chapters 62-780 and 62-777, FAC A detailed discussion of the FDEP approach for evaluating groundwater is presented in Appendix E of the Chapter 62-777 Technical Report (FDEP, 2005a).

As with soil, the FDEP risk characterization for groundwater is performed by comparing concentrations of chemicals detected in groundwater with FDEP groundwater criteria (or to criteria developed according to guidelines presented in Chapter 62-777, if necessary). The groundwater CTLs are based on primary and secondary standards (e.g., MCLs) or on human health risk-based criteria, assuming that the groundwater is used as a potable water source (and are based on ingestion only). For contaminants that do not

produce cancer, the risk-based CTLs are calculated based on a HI of 1 and incorporate a default relative source contribution factor of 0.2. The relative source contribution factor means, in effect, that no more than 20 percent of the total allowable intake of the contaminant can come from contaminated water. For carcinogens, the default groundwater CTL is based on an excess cancer risk of 1×10^{-6}.

Using the guidance provided in Chapters 62-780 and 62-777, FAC, groundwater at Site 4 was evaluated for residential land use (RMO Level I). In RMO Level I, the applicable CTL is usually the default value for that contaminant in the groundwater as presented in Table 1 of the Technical Report. If groundwater has the potential to impact surface water, demonstrated by monitoring well data, groundwater flow rate and direction, or fate and transport modeling, the appropriate marine surface water or freshwater surface water CTL also applies to groundwater. However, based on information presented in the Site Assessment Report Addendum II for UST Site 2406, (TtNUS, 2005), groundwater at Site 4 has little potential to impact a surface water body. Therefore, the groundwater evaluation is based on comparison to groundwater CTLs only.

The following evaluations for Site 4 were performed according to Chapters 62-777 and 62-780, FAC:

- ***Comparison of maximum detected concentrations to groundwater CTLs***. Comparing the groundwater CTLs to maximum detected groundwater concentrations is appropriate for Site 4 because, as stated previously, the CTLs for all but two detected chemicals are primary or secondary standards and the list of potential COCs would not change if CTLs were apportioned. If the maximum detected concentration for a chemical exceeds the CTL (and background levels for metals), the constituent is identified as a potential COC for the site.

- ***Evaluation of Free Product in Groundwater***. The potential for the presence of free product (for organic chemicals) was evaluated by comparing maximum site concentrations to water solubility values presented in Table 4, Chapter 62-777 FAC (FDEP, April 2005). The water solubility comparisons indicated the concentrations of the few organic chemicals detected in groundwater at Site 4 in 2005 were significantly less than their respective water solubilities. Therefore, it is unlikely these chemicals are present as free product in groundwater at the site.

6.6.3 Risk Characterization Using State of Florida Guidelines

This section contains a summary of the results of the risk characterization for Site 4 conducted using guidelines presented in Florida Chapter 62-780, FAC and the Chapter 62-777 Technical Report. The results are summarized in Tables 6-4 through 6-6 and are discussed below.

6.6.3.1 Results of Subsurface Soil Evaluation – Florida Methodology

6.6.3.1.1 Level 1 Evaluation (Residential)

Table 6-5 presents a comparison of the maximum detected concentrations for subsurface soil to the FDEP residential SCTLs. The following chemicals were identified as exceeding the Level 1 SCTLs and were retained as potential COCs for residential exposures to surface soil at Site 4:

- Arsenic
- TRPH

6.6.3.1.2 Level 2 (Industrial)

The results of the Level 1 evaluation identified arsenic and TRPH as COCs; therefore, a Level 2 evaluation was conducted. A comparison of the maximum concentrations in subsurface soil to the FDEP industrial SCTLs is presented in Table 6-6. No constituents were identified as exceeding the Level 2 SCTLs.

6.6.3.1.3 Level 3

The results of the Level 2 evaluation identified no potential COCs; therefore, a Level 3 evaluation was not conducted.

Comparison of Chemicals in Subsurface Soil with Leachability SCTLs

Table 6-7 presents comparisons of maximum detected concentrations in subsurface soil with Florida criteria based on leachability to groundwater. As shown in the table, maximum concentrations of methylene chloride, 1,1-biphenyl, and TRPH were greater than the leachability criteria indicating that there is potential for contaminants detected in subsurface soil to impact groundwater. Although methylene chloride and TRPH were not detected in groundwater at concentrations exceeding GCTLs. Table 6-7 also presents comparisons of maximum concentrations with soil saturation concentrations to evaluate the potential for presence of free product. As shown in the table, the concentrations of organic compounds in subsurface soil were less than the C_{sat} concentrations, indicating that free product is not present in subsurface soil.

TABLE 6-7
COMPARISON WITH SCTLs FOR LEACHABILITY TO GROUNDWATER AND C_{SAT} LIMITS - SUBSURFACE SOIL
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CAS Number	Chemical	Frequency of Detection	Maximum Concentration	Sample of Maximum Concentration	Site Above Background?(1)	Florida Leachability to Groundwater(2)	Soil Saturation Limit, Csat(3)
Volatile Organic Compounds (ug/kg)							
78-93-3	2-Butanone	3/33	6.3 J	OLFS4-MW35S-29	NA	17000	25000000
67-64-1	Acetone	2/33	4.3 J	OLFS4-DPW11-S45	NA	25000	100000000
75-09-2	Methylene Chloride	1/38	270 J	OLFS4-DPW16-S4	NA	**20**	2400000
1330-20-7	Total Xylenes	1/63	2.4 J	OLFS4-MW25-S-40	NA	200	140000
Semivolatile Organic Compounds (ug/kg)							
92-52-4	1,1-Biphenyl	1/33	340 J	OLFS4-MW33S-5	NA	**200**	---
91-57-6	2-Methylnaphthalene	2/63	1500	OLFS4-MW33S-5	NA	8500	---
132-64-9	Dibenzofuran	1/33	190 J	OLFS4-MW33S-5	NA	15000	---
86-73-7	Fluorene	2/63	170 J	OLFS4-MW33S-5	NA	160000	---
91-20-3	Naphthalene	2/63	350 J	OLFS4-DPW15-S4	NA	1200	---
85-01-8	Phenanthrene	1/63	75 J	OLFS4-MW33S-5	NA	250000	---
Pesticides/PCBs (ug/kg)							
11096-82-5	Aroclor-1260	1/36	6.6 J	OLFS4-DPW15-S4	NA	17000	---
Metals (mg/kg)							
7429-90-5	Aluminum	45/45	21500	OLFS4-DPW18-S12	Yes	NA	---
7440-38-2	Arsenic	55/55	4.2	OLFS4-MW33S-5	Yes	NA	---
7440-39-3	Barium	45/45	30.1	OLFS4-MW33S-5	Yes	1600	---
7440-70-2	Calcium	26/45	762	OLFS4-DPW15-S4	No	NA	---
7440-47-3	Chromium	55/55	25.3	OLFS4-DP12-S20	Yes	NA	---
7440-48-4	Cobalt	16/45	1.2	OLFS4-MW33S-5	No	NA	---
7440-50-8	Copper	45/45	6.9	OLFS4-DPW18-S12	Yes	NA	---
7439-89-6	Iron	45/45	14100	OLFS4-SB3-S-10	Yes	NA	---
7439-92-1	Lead	55/55	5.2	OLFS4-DP27-S4	No	NA	---
7439-95-4	Magnesium	21/45	203	OLFS4-DPW21-S12	Yes	NA	---
7439-96-5	Manganese	45/45	588	OLFS4-MW33S-5	Yes	NA	---
7439-97-6	Mercury	2/45	0.019	OLFS4-DPW15-S4, OLFS4-MW33S-5	No	2.1	---
7440-02-0	Nickel	35/45	3.1	OLFS4-DPW21-S12	No	130	---
7440-09-7	Potassium	19/45	215	OLFS4-DPW01-S45	No	NA	---
7782-49-2	Selenium	2/45	0.35	OLFS4-SB4-S-45	No	5.2	---
7440-23-5	Sodium	1/45	1090	OLFS4-DPW12-S45	Yes	NA	---
7440-62-2	Vanadium	45/45	35.8 J	OLFS4-SB3-S-10	Yes	980	---
7440-66-6	Zinc	39/45	8.9	OLFS4-DPW21-S12	No	NA	---

TABLE 6-7
COMPARISON WITH SCTLs FOR LEACHABILITY TO GROUNDWATER AND C_{SAT} LIMITS - SUBSURFACE SOIL
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CAS Number	Chemical	Frequency of Detection	Maximum Concentration	Sample of Maximum Concentration	Site Above Background?(1)	Florida Leachability to Groundwater(2)	Soil Saturation Limit, Csat(3)
Miscellaneous Parameters (mg/kg)							
57-12-5	Cyanide	1/45	0.17	OLFS4-DPW07-S45	NA	0.8	---
Petroleum Hydrocarbons (mg/kg)							
	TPH (C08-C40)	8/63	730	OLFS4-MW33S-5	NA	**340**	---

Shaded cells indicate that the specified criterion or background level has been exceeded.

Footnotes:

1 - To determine whether metal concentrations were within background levels, soil concentrations were compared to facility background levels described in Section 6.1.1.1. If the maximum concentration of a chemical is less than the background value, that chemical was not selected as a COPC.
2 - Soil Cleanup Target Levels (SCTLs) for Leachability Based on Groundwater Criteria, Table 2, Chapter 62-777 Technical Report (FDEP, 2005a).
3 - Soil Saturation Limits (CSAT), Table 8, Chapter 62-777 Technical Report (FDEP, 2005a).
NA - Not Applicable. According to proposed Florida Rule 62-780 only naturally occurring (inorganic) constituents are considered in the background evaluation.

6.6.3.2 Results of Groundwater Evaluation – Florida Methodology

6.6.3.2.1 Level 1 Evaluation (Residential)

Groundwater was evaluated for future residential use (Level 1). Table 6-8 presents a comparison of the maximum detected concentrations in groundwater to the FDEP GCTLs. The following chemicals were identified as exceeding the Level 1 CTLs and were retained as potential COCs for residential exposures to groundwater at Site 4:

- VOCs (benzene, chlorodibromomethane, cis-1,2-dichloroethene, ethylbenzene, isopropylbenzene, and total xylenes)
- SVOCs (1,1-biphenyl and naphthalene)
- PAHs (naphthalene)
- Inorganics (aluminum, chromium, iron, manganese, and nickel)

The maximum detected concentrations of cis-1,2-dichloroethene, ethylbenzene, total xylenes, naphthalene, aluminum, chromium, iron, and nickel also exceeded three times the Florida GCTLs.

6.7 HUMAN HEALTH RISK UNCERTAINTY ANALYSIS

This section presents a summary of uncertainties inherent in the risk assessment and includes a discussion of how they may affect the quantitative risk estimates and conclusions of the risk analysis. The baseline HHRA for Site 4 was performed in accordance with current USEPA and Florida guidance. However, there are varying degrees of uncertainty associated with the baseline HHRA. The following sections discuss general uncertainties in risk assessment and uncertainties specific to the risk assessment for Site 4.

Uncertainty in the selection of COPCs was related to the current status of the predictive databases, the grouping of samples, the numbers, types and distributions of samples, data quality, and the procedures used to include or exclude constituents as COPCs. Uncertainty associated with the exposure assessment included the values used as input variables for a given intake route or scenario, the assumptions made to determine EPCs, and the predictions regarding future land use and population characteristics. Uncertainty in the toxicity assessment included the quality of the existing toxicity data needed to support dose-response relationships and the weight-of-evidence used to determine the carcinogenicity of COPCs. Uncertainty in risk characterization was associated with exposure to multiple chemicals and the cumulative uncertainty from combining conservative assumptions made in earlier steps of the risk assessment process.

TABLE 6-8
FLORIDA LEVEL 1 (RESIDENTIAL) DIRECT CONTACT EVALUATION - GROUNDWATER
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OLF SAUFLEY
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CAS Number	Chemical	Frequency of Detection	Maximum Concentration[1]	Sample of Maximum Concentration	Background Value[4]	Non-Apportioned Florida Groundwater CTL[2]	Ratio of Maximum Concentration/ Non-apportioned Residential SCTL	Is Chemical a Potential Level 1 COC?[3]	Rationale for Contaminant Deletion or Selection
Volatile Organic Compounds (ug/L)									
75-34-3	1,1-Dichloroethane	2/57	27	OLFS4-DPW01-G53-55	NA	70	0.4	No	maximum < CTL
78-93-3	2-Butanone	2/57	4 J	OLFS4-MW38-0607	NA	4200	0.0010	No	maximum < CTL
591-78-6	2-Hexanone	1/57	2 J	OLFS4-DPW13-34-36	NA	280	0.007	No	maximum < CTL
67-64-1	Acetone	18/57	52 J	OLFS4-DPW13-34-36	NA	6300	0.008	No	maximum < CTL
71-43-2	**Benzene**	13/57	26	OLFS4-DPW01-G53-55	NA	**1**	26	**Yes**	maximum > CTL
75-27-4	Bromodichloromethane	4/57	0.6 J	OLFS4-MW39-0607	NA	0.6	1	No	maximum < CTL
75-25-2	Bromoform	1/57	0.4 J	OLFS4-MW39-0607	NA	4.4	0.09	No	maximum < CTL
75-15-0	Carbon Disulfide	3/57	4.3	OLFS4-MW09S-001	NA	700	0.006	No	maximum < CTL
124-48-1	**Chlorodibromomethane**	5/57	0.5 J	OLFS4-MW39-0607	NA	**0.4**	1.3	**Yes**	maximum > CTL
67-66-3	Chloroform	15/57	3	OLFS4-MW39-0607	NA	70	0.04	No	maximum < CTL
74-87-3	Chloromethane	8/57	0.55 J	OLFS4-MW15S-001	NA	2.7	0.2	No	maximum < CTL
156-59-2	**cis-1,2-Dichloroethene**	4/57	350	OLFS4-DPW01-G53-55	NA	**70**	5	**Yes**	maximum > CTL maximum/CTL ratio > 3
110-82-7	Cyclohexane	7/57	4.2 J	OLFS4-MW32S-001	NA	10000 [4]	NA	No	maximum < Region 9 PRG
100-41-4	**Ethylbenzene**	6/57	110	OLFS4-MW32S-001	NA	**30**	4	**Yes**	maximum > CTL maximum/CTL ratio > 3
98-82-8	**Isopropylbenzene**	9/57	80	OLFS4-MW32S-001	NA	**0.8**	100	**Yes**	maximum > CTL
108-87-2	Methyl Cyclohexane	5/57	16	OLFS4-MW32S-001	NA	5200 [4]	NA	No	maximum < Region 9 PRG
127-18-4	Tetrachloroethene	4/57	0.54 J	OLFS4-DPW03-G53-55	NA	3	0.2	No	maximum < CTL
108-88-3	Toluene	13/57	4.8 J	OLFS4-MW32S-001	NA	40	0.1	No	maximum < CTL
1330-20-7	**Total Xylenes**	9/57	840	OLFS4-MW32S-001	NA	**20**	42	**Yes**	maximum > CTL maximum/CTL ratio > 3
156-60-5	trans-1,2-Dichloroethene	5/57	48	OLFS4-MW15S-001	NA	100	0.5	No	maximum < CTL
75-69-4	Trichlorofluoromethane	1/57	0.16 J	OLFS4-MW36S-001	NA	2100	0.00008	No	maximum < CTL
75-01-4	Vinyl Chloride	2/57	0.36 J	OLFS4-MW15S-001	NA	1	0.4	No	maximum < CTL
Semivolatile Organic Compounds (ug/L)									
92-52-4	**1,1-Biphenyl**	1/39	1.1 J	OLFS4-MW31S-001	NA	**0.5**	2	**Yes**	maximum > CTL
91-57-6	2-Methylnaphthalene	4/45	7.9 J	OLFS4-MW05S-001	NA	28	0.3	No	maximum < CTL
117-81-7	Bis(2-ethylhexyl)phthalate	2/45	1.8 J	OLFS4-MW17S-001	NA	6	0.3	No	maximum < CTL
85-68-7	Butyl Benzyl Phthalate	2/45	1.6 J	OLFS4-MW05S-001, OLFS4-MW16S-001	NA	140	0.01	No	maximum < CTL
105-60-2	Caprolactam	7/45	4.4 J	OLFS4-MW19S-001	NA	18000 [4]	0.0002	No	maximum < Region 9 PRG
84-74-2	di-n-Butyl Phthalate	1/45	1.4 J	OLFS4-MW16S-001	NA	700	0.002	No	maximum < CTL
91-20-3	**Naphthalene**	3/45	68	OLFS4-MW32S-001	NA	**14**	5	**Yes**	maximum > CTL maximum/CTL ratio > 3
Polynuclear Aromatic Hydrocarbons (ug/L)									
90-12-0	1-Methylnaphthalene	13/35	8.6	OLFS4-MW05S-001	NA	28	0.3	No	maximum < CTL
91-57-6	2-Methylnaphthalene	11/35	12	OLFS4-MW05S-001	NA	28	0.4	No	maximum < CTL
83-32-9	Acenaphthene	2/35	0.4	OLFS4-MW23S-001	NA	20	0.02	No	maximum < CTL
208-96-8	Acenaphthylene	1/35	0.86	OLFS4-MW31S-001	NA	210	0.004	No	maximum < CTL
206-44-0	Fluoranthene	6/35	0.093	OLFS4-MW12S-001	NA	280	0.0003	No	maximum < CTL
86-73-7	Fluorene	5/35	0.15	OLFS4-MW23S-001	NA	280	0.0005	No	maximum < CTL
91-20-3	**Naphthalene**	12/35	79 J	OLFS4-MW32S-001	NA	**14**	6	**Yes**	maximum > CTL maximum/CTL ratio > 3
85-01-8	Phenanthrene	9/35	0.07	OLFS4-MW12S-001	NA	210	0.0003	No	maximum < CTL
129-00-0	Pyrene	5/35	0.06	OLFS4-MW12S-001	NA	210	0.0003	No	maximum < CTL
	Benzo(a)pyrene Equivalents	2/35	0.044	OLFS4-MW12S-001	NA	0.2	0.2	No	maximum < CTL

TABLE 6-8
FLORIDA LEVEL 1 (RESIDENTIAL) DIRECT CONTACT EVALUATION - GROUNDWATER
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CAS Number	Chemical	Frequency of Detection	Maximum Concentration[1]	Sample of Maximum Concentration	Background Value[4]	Non-Apportioned Florida Groundwater CTL[2]	Ratio of Maximum Concentration/ Non-apportioned Residential SCTL	Is Chemical a Potential Level 1 COC?[3]	Rationale for Contaminant Deletion or Selection
Metals (ug/L)									
7429-90-5	**Aluminum**	37/45	3110	OLFS4-MW17S-001	**342**	**200**	16	**Yes**	maximum > CTL maximum/CTL ratio > 3
7440-38-2	Arsenic	5/45	5.8	OLFS4-MW17S-001	**ND**	10	0.6	No	maximum < CTL
7440-39-3	Barium	45/45	316	OLFS4-MW23S-001	**23.2**	2000	0.2	No	maximum < CTL
7440-70-2	Calcium	44/45	181000	OLFS4-MW23S-001	**ND**	NA	NA	No	Essential Nutrient
7440-47-3	**Chromium**	44/45	855	OLFS4-MW19S-001	**9.7**	**100**	9	**Yes**	maximum > CTL maximum/CTL ratio > 3
7440-48-4	Cobalt	17/45	31.5	OLFS4-MW15S-001	**ND**	140	0.2	No	maximum < CTL
7440-50-8	Copper	14/45	22.3	OLFS4-MW25S-001	**ND**	1000	0.02	No	maximum < CTL
7439-89-6	**Iron**	45/45	34500	OLFS4-MW23S-001	**379**	**300**	115	**Yes**	maximum > CTL maximum/CTL ratio > 3
7439-92-1	Lead	24/45	12.2	OLFS4-MW10D-001	**ND**	15	0.8	No	maximum < CTL
7439-95-4	Magnesium	40/45	17100	OLFS4-MW23S-001	**ND**	NA	NA	No	Essential Nutrient
7439-96-5	**Manganese**	45/45	2790	OLFS4-MW23S-001	**12.8**	**50**	56	**Yes**	maximum > CTL
7439-97-6	Mercury	1/45	1.1	OLFS4-MW43-0607	**ND**	2	0.6	No	maximum < CTL
7440-02-0	**Nickel**	43/45	438	OLFS4-MW19S-001	**8.4**	**100**	4	**Yes**	maximum > CTL maximum/CTL ratio > 3
7440-09-7	Potassium	36/45	35600	OLFS4-MW23S-001	**ND**	NA	NA	No	Essential Nutrient
7782-49-2	Selenium	2/45	1.4	OLFS4-MW29D-001	**ND**	50	0.03	No	maximum < CTL
7440-22-4	Silver	1/45	4.8	OLFS4-MW15S-001	**ND**	100	0.05	No	maximum < CTL
7440-23-5	Sodium	45/45	58700	OLFS4-MW46-0607	**3380**	160000	0.4	No	maximum < CTL
7440-28-0	Thallium	2/45	0.99	OLFS4-MW31S-001	**ND**	2	0.5	No	maximum < CTL
7440-62-2	Vanadium	6/45	12.1	OLFS4-MW17S-001	**ND**	49	0.2	No	maximum < CTL
7440-66-6	Zinc	27/45	255	OLFS4-MW15S-001	**ND**	5000	0.05	No	maximum < CTL
Petroleum Hydrocarbons (mg/L)									
	TPH (C08-C40)	9/45	8.9	OLFS4-MW31S-001	NA	5000	0.002	No	maximum < CTL

Shaded cells indicate that the specified criterion or background level has been exceeded or that the chemical has been selected as a potential COC.

1 - To determine whether metal concentrations were within background levels, groundwater concentrations were compared to facility background levels described in Section 6.1.1.1. If the maximum concentration of a chemical is less than the background value, that chemical was not selected as a COPC.
2 - Groundwater Cleanup Target Levels (CTLs) for Chapter 62-777, FAC, Florida Department of Environmental Protection (FDEP), April 2005b.
3 - A chemical is selected as a potential COC if the maximum concentration exceeds the non-apportioned CTL and, for metals, if the site concentrations exceed background levels.
4 - No GCTL is available. Value presented in the USEPA Region 9 PRG for tap water ingestion.

Definitions:

C = Carcinogen.	N = Noncarcinogen.
COC = Chemical of concern.	NA = Not applicable/Not available
J = Estimated value.	ND = Non detect

Whereas there were various sources of random uncertainty and bias, the magnitude of bias and uncertainty and the direction of bias were influenced by the assumptions made throughout the risk assessment, including selection of COPCs and selection of values for dose-response relationships. Throughout the entire risk assessment, assumptions that considered safety factors were made so that the final calculated risks were overestimated.

Generally, risk assessments carry two types of uncertainty: measurement and informational uncertainty. Measurement uncertainty refers to the usual variance that accompanies scientific measurements. For example, this type of uncertainty is associated with analytical data collected for each site. The risk assessment reflects the accumulated variances of the individual values used.

Informational uncertainty stems from inadequate availability of information needed to complete the toxicity and exposure assessments. Often, this gap is significant, such as the absence of information on the effects of human exposure to low doses of a chemical, the biological mechanism of action of a chemical, or the behavior of a chemical in soil.

Once the risk assessment is complete, the results must be reviewed and evaluated to identify the type and magnitude of uncertainty involved. Reliance on results from a risk assessment without consideration of uncertainties, limitations, and assumptions inherent in the process can be misleading. For example, to account for uncertainties in the development of exposure assumptions, conservative estimates were made to ensure that the particular assumptions were protective of sensitive subpopulations or the maximum exposed individuals. If a number of conservative assumptions are combined in an exposure model, the resulting calculations can propagate the uncertainties associated with those assumptions, thereby producing a much larger uncertainty for the final results. This uncertainty is biased toward overpredicting both carcinogenic and non-carcinogenic risks. Thus, both the results of the risk assessment and the uncertainties associated with those results must be considered when making risk management decisions.

This interpretation of uncertainty is especially relevant when the risks exceed the point of departure for defining "acceptable" risk. For example, when risks calculated using a high degree of uncertainty are less than an acceptable risk level (i.e., 10^{-6}), the interpretation of no significant risk is typically straightforward. However, when risks calculated using a high degree of uncertainty exceed an acceptable risk level (i.e., 10^{-4}); a conclusion can be difficult unless uncertainty is considered.

6.7.1 Uncertainty in Selection of COPCs

The most significant issues related to uncertainty in COPC selection were the usability of existing databases [i.e., the use of validated and unvalidated sample results (only validated data were used in this

risk assessment) and the completeness, precision, and accuracy of the data set], the screening levels used, and the absence of screening levels for a few chemicals detected in the site media. A brief discussion of each of these issues is provided in the remainder of this section.

6.7.1.1 COPC Screening Levels

The use of risk-based screening values (for the USEPA analysis) based on conservative land use scenarios (i.e., residential land use for soil and groundwater) corresponding to an ILCR of 10^{-6} and HI of 0.1 ensured that all the significant contributors to risk from a site were evaluated. The elimination of chemicals present at concentrations that correspond to an ILCR less than 10^{-6} and an HI less than 0.1 should not affect the final conclusions of the risk assessment, because those chemicals are not expected to cause a potential health concern at the detected concentrations.

6.7.1.2 Chemicals Without Established Screening Levels

Region 9 PRGs are currently not available for some constituents (e.g., acenaphthylene, 1-methylnaphthalene, 2-methylnaphthalene, and phenanthrene). Appropriate surrogates were selected for these chemicals based on similar chemical structures, if available. For example, the screening level for acenaphthene is used as a surrogate for acenaphthylene, naphthalene is used as a surrogate for 1-methylnaphthalene and 2-methylnaphthalene, and pyrene is used as a surrogate for phenanthrene. Applying toxicity values of one compound to another increases the uncertainty in the risk assessment both in regard to the selection of COPCs and the calculated risks. The direction of the uncertainty is not known. Note that the State of Florida does provide CTLs for these compounds and they were evaluated in the analysis using FDEP methodology. Therefore, the uncertainty associated with the use of surrogates is likely to be minimal.

6.7.2 Uncertainty in the Exposure Assessment

Uncertainty in the exposure assessment arose because of the methods used to calculate EPCs, the determination of land use conditions, lack of surface soil samples, the selection of receptors and scenarios, the estimation of EPCs, and the selection of exposure parameters. Each of these is discussed below.

6.7.2.1 Land Use

The current land use patterns at NETPDTC Saufley are well established, thereby limiting the uncertainty associated with land use assumptions. Land use at Site 4 is currently limited and is expected to be limited in the future, as long as NETPDTC Saufley remains open. To be conservative, risks to potential

and future construction workers, maintenance workers, occupational workers, recreational users, and on-site residents were estimated for the site. Maintenance workers and recreational users are considered to be the most likely receptors under current land use.

6.7.2.2 Lack of Surface Soil Samples

No surface soil samples were collected at Site 4. At present the site is covered with concrete and hangars, consequently current receptors at Site 4 are not exposed to surface soil. Therefore the lack of surface soil samples does not effect the conclusions of this HHRA under current conditions. In the future receptors could be exposed to surface soil if the concrete and hangars were removed. Therefore the lack of surface soil samples is a potential data gap for future scenarios.

6.7.2.3 Exposure Point Concentrations

EPCs for soil were calculated using the Florida UCL Calculator (Version 1.0). Uncertainty is associated with the use of the 95 percent UCL on the mean concentration as the EPC. As a result of using the 95 percent UCL, the estimations of potential risk for the RME scenario were most likely overstated because this is a representation of the upper limit that potential receptors would be exposed to over the entire exposure period.

As discussed previously, the calculated risks for groundwater in the USEPA risk evaluation were based on the assumption that EPCs for groundwater were the maximum detected concentrations. Using the maximum detected concentrations may result in an overestimation of risks. Note that maximum groundwater concentrations were used in the risk assessment performed according the FDEP methodology.

There was also uncertainty in assuming that current groundwater concentrations will not change in the future and this introduces additional uncertainty in the EPCs and risks for groundwater COPCs. Concentrations in groundwater may diminish over time due to natural attenuation processes involving source depletion and dilution.

6.7.2.4 Exposure Routes and Receptor Identification

The determination of various receptor groups and exposure routes of potential concern was based on current land use observed at the site and the anticipated future land use. Therefore, the uncertainty associated with the selection of exposure routes and potential receptors was minimal because they were considered to be well defined. Although residential use of groundwater was evaluated as an exposure scenario, groundwater is not currently used at the site nor is it expected to be used in the future. The

evaluation of direct exposure to groundwater in the HHRA was included primarily to aid in risk management decision making.

6.7.2.5 Exposure Parameters

The risk-based concentrations used to estimate risks by the USEPA methodology were calculated by the equations and exposure factors presented in Section 6.3.3. Each exposure factor selected for use in the risk assessment has some associated uncertainty. Generally, exposure factors were based on surveys of physiological and lifestyle profiles across the United States. The attributes and activities studied in these surveys generally have a broad distribution. The exposure factors used in this report, in most cases, were obtained from USEPA or Florida guidance documents for the RME, which generally specify the use of the 95th percentile value for most parameters. Therefore, the selected values for the RME receptor represented an upper bound of the observed or expected habits of the majority of the population.

Generally, the uncertainty can be assessed quantitatively for many assumptions made in determining factors for calculating exposures and intakes. Many of these parameters were determined from statistical analyses on human population characteristics. Often, the database used to summarize a particular exposure parameter (i.e., body weight) is quite large. Consequently, the values chosen for such variables in the RME scenario have low uncertainty.

6.7.3 Uncertainty in the Toxicological Evaluation

The risk-based concentrations used to assess risk were also developed using the toxicity criteria discussed in Section 6.4. Uncertainties associated with the toxicity assessment (determination of RfDs and CSFs and use of available criteria) are presented in this section.

6.7.3.1 Derivation of Toxicity Criteria

Uncertainty associated with the toxicity assessment was associated with hazard assessment and dose-response evaluations for the COPCs. The hazard assessment dealt with characterizing the nature and strength of the evidence of causation or the likelihood that a chemical that induces adverse effects in animals will also induce adverse effects in humans. Hazard assessment of carcinogenicity was evaluated as a weight-of-evidence determination using USEPA methods. Positive animal cancer test data suggest that humans contain tissue(s) that may manifest a carcinogenic response; however, the animal data cannot necessarily be used to predict the target tissue in humans. In the hazard assessment of noncancer effects, however, positive animal data often suggest the nature of the effects (i.e., the target tissues and type of effects) anticipated in humans.

Uncertainty in hazard assessment arose from the nature and quality of the animal and human data. Uncertainty was reduced when similar effects were observed across species, strain, sex, and exposure route; when the magnitude of the response was clearly dose related; when pharmacokinetic data indicated a similar fate in humans and animals; when postulated mechanisms of toxicity were similar for humans and animals; and when the COC was structurally similar to other chemicals for which the toxicity is more completely characterized.

Uncertainty in the dose-response evaluation included the determination of a CSF for the carcinogenic assessment and derivation of an RfD for the non-carcinogenic assessment. Uncertainty was introduced from interspecies (animal to human) extrapolation, which, in the absence of quantitative pharmacokinetic or mechanistic data, is usually based on consideration of interspecies differences in basal metabolic rate. Uncertainty also resulted from intraspecies variation. Most toxicity experiments are performed with animals that are very similar in age and genotype, so intragroup biological variation is minimal, but the human population of concern may reflect a great deal of heterogeneity, including unusual sensitivity or tolerance to the COPC. Even toxicity data from human occupational exposure reflect a bias because only those individuals sufficiently healthy to attend work regularly (the "healthy worker effect") and those not unusually sensitive to the chemical are likely to be occupationally exposed. Finally, uncertainty arises from the quality of the key study from which the quantitative estimate was derived and the database used. For cancer effects, the uncertainty associated with dose-response factors was mitigated by assuming the 95 percent upper bound for the slope factor. Another source of uncertainty in carcinogenic assessment is the method by which data from high doses in animal studies are extrapolated to the dose range expected for environmentally exposed humans. The linearized multistage model, which is used in nearly all quantitative estimations of human risk from animal data, is based on a nonthreshold assumption of carcinogenesis. Evidence suggests, however, that epigenetic carcinogens, as well as many genotoxic carcinogens, have a threshold below which they are noncarcinogenic. Therefore, the use of the linearized multistage model was conservative for chemicals that exhibited a threshold for carcinogenicity. For non-cancer effects, additional uncertainty factors may have been applied in the derivation of the RfD to mitigate poor quality of the key study or gaps in the database. Additional uncertainty for noncancer effects arose from the use of an effect level in the estimation of an RfD, because this estimation was predicated on the assumption of a threshold less than which adverse effects were not expected. Therefore, an uncertainty factor is usually applied to estimate a no-effect level. Additional uncertainty arose in estimation of an RfD for chronic exposure from subchronic data. Unless empirical data indicated that effects did not worsen with increasing duration of exposure, an additional uncertainty factor was applied to the no-effect level in the subchronic study. Uncertainty in the derivation of RfDs was mitigated by the use of uncertainty and modifying factors that normally ranged between 3 and 10. The resulting combination of uncertainty and modifying factors may have reached 1,000 or more.

The derivation of dermal RfDs and CSFs from oral values may have caused uncertainty. This was particularly the case when no gastrointestinal absorption rates were available in the literature or when only qualitative statements regarding absorption were available.

6.7.3.2 Uncertainty Associated with Evaluation of the Dermal Exposure Pathway

According to RAGS Part E (USEPA, 2004a), risks for dermal absorption of chemicals in soil are quantitatively evaluated for arsenic, cadmium, chlordane, 2,4-dichlorophenoxyacetic acid, DDT, TCDD (and other dioxins), PAHs, PCBs, pentachlorophenol, and SVOCs only because of the limited information and guidance available to evaluate dermal exposure to other constituents. However, risks associated with dermal exposure to other metals in soil (except for arsenic and cadmium) were also evaluated in the risk assessment using the dermal absorption factors provided in FDEP guidance (FDEP, 2005b). Generally, potential risks associated with the metals may result in an overestimation of risk because metals do not readily desorb from soil and become available for absorption through the skin.

The Region 9 PRGs used to assess risks for groundwater are based on ingestion and inhalation (for volatiles), but dermal effects are not considered in the PRG calculations. For some chemicals (e.g., PCBs and PAHs) the omission of the aqueous dermal pathway can be significant. However, for most of the chemicals detected in groundwater at Site 4 (i.e., VOCs and metals), the aqueous dermal pathway is generally not important.

6.7.3.3 Alternate RfD for Manganese

The oral RfD for manganese listed in the Region 9 PRG table (0.024 mg/kg/day) was used to calculate the PRG for evaluating risks for residential exposure to groundwater. This value includes a modification factor of 3 and an adjustment factor for the dietary contribution which is applied to the non-dietary reference dose (0.14 mg/kg/day) presented in IRIS. IRIS indicates that an adjustment for the dietary contribution should be subtracted from this allowable intake. Using the modified and adjusted RfD results in risk estimates 6 times higher than if the non-dietary reference dose were used.

6.7.4 Uncertainty in the Risk Characterization

Uncertainty in risk characterization resulted from assumptions made regarding additivity of effects from exposure to multiple COPCs from various exposure routes. High uncertainty existed when summing noncancer risks for several substances across different exposure pathways. This assumed that each substance has a similar effect and/or mode of action. Even when compounds affect the same target organs, they may have different mechanisms of action or differ in their fate in the body, so additivity may

not have been an appropriate assumption. However, the assumption of additivity was considered because in most cases it represented a conservative estimate of risk.

Risks to any individual may also have been overestimated by summing multiple assumed exposure pathway risks for any single receptor. Although every effort was made to develop reasonable scenarios, not all individual receptors may have been exposed via all pathways considered.

Finally, the risk characterization did not consider antagonistic or synergistic effects. Little or no information was available to determine the potential for antagonism or synergism for the COPCs. Because chemical-specific interactions could not be predicted, the likelihood for risks to be overpredicted or underpredicted could not be defined, but the methodology used was based on current USEPA guidance.

6.8 SUMMARY AND CONCLUSIONS

An HHRA was conducted for the chemical concentrations detected in subsurface soil and groundwater samples collected at Site 4. The evaluation was conducted using both USEPA and State of Florida regulations and guidelines for HHRA. The results of the USEPA and Florida risk assessments are summarized in the following sections.

6.8.1 Summary of USEPA Risk Assessment

The USEPA risk assessment considered three receptors, the hypothetical future resident, the typical industrial worker, and the construction worker, assuming exposure via the ingestion, dermal contact, and inhalation route of exposures. No surface soil samples were collected at Site 4; therefore, potential exposure pathways were only identified for subsurface soil and groundwater. The majority of Site 4 is covered with concrete and hangars; therefore, potential exposures to surface soil could only occur under a future scenario where the concrete is removed.

The list of COPCs for Site 4 included the following:

- Subsurface Soil – aluminum, arsenic, chromium, iron, manganese, and vanadium
- Groundwater – benzene, chlorodibromomethane, chloroform, cis-1,2-dichloroethene, isopropylbenzene, tetrachloroethene, total xylenes, trans-1,2-dichloroethene, vinyl chloride, 1-methylnaphthalene, 2-methylnaphthalene, benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, naphthalene, arsenic, chromium, iron, manganese, nickel, thallium, and vanadium

Quantitative estimates of non-carcinogenic and carcinogenic risks (HIs and ILCRs, respectively) were developed for potential human receptors. Results of these evaluations are summarized below.

Non-carcinogenic risks are below the target HI of 1.0 to satisfy USEPA and FDEP requirements for exposure to subsurface soil. The non-carcinogenic risks for exposure to groundwater exceeded the USEPA and FDEP acceptable risk level.

Carcinogenic risks for exposures to subsurface soil were within USEPA and FDEP acceptable levels. Carcinogenic risks exceed 1×10^{-4} for exposure to groundwater by the hypothetical future resident.

6.8.2 Summary of Florida Risk Assessment

The risk assessment conducted per the State of Florida regulations and guidelines evaluated risks to a hypothetical future resident and a typical industrial worker using the published SCTLs for the residential and industrial land use scenario, respectively. Risks to a hypothetical future recreational user were evaluated using SCTLs specifically developed for this risk assessment as stipulated in the State of Florida regulations and guidelines.

The following chemicals were identified as potential COCs for subsurface soils based on a comparison of maximum concentrations or EPCs to these SCTLs:

FLORIDA SUBSURFACE SOIL EVALUTION

RESIDENTIAL SCTLs	INDUSTRIAL SCTLs
ARSENIC, TRPH	

The following chemicals were identified as potential COCs for groundwater based on a comparison of maximum concentrations to GCTLs:

FLORIDA GROUNDWATER EVALUATION

RESIDENTIAL GCTLs	
BENZENE	CHLORODIBROMOMETHANE
CIS-1,2-DICHLOROETHENE	ETHYLBENZENE
ISOPROPYLBENZENE	TOTAL XYLENES
1,1-BIPHENYL	NAPHTHALENE
ALUMINUM	CHROMIUM
IRON	MANGANESE
NICKEL	

Chemicals detected in subsurface soil were also evaluated for the potential to impact groundwater quality at the site by comparing maximum concentrations with FDEP SSLs for migration from soil to groundwater. This evaluation indicated that the maximum concentrations of methylene chloride, 1,1-biphenyl, and TRPH were greater than the leachability criteria indicating that there is potential for contaminants detected in subsurface soil to impact groundwater. Although methylene chloride and TRPH were not detected in groundwater at concentrations exceeding GCTLs.

7.0 SCREENING LEVEL ECOLOGICAL RISK ASSESSMENT

7.1 INTRODUCTION

This SLERA was conducted in accordance with USEPA Ecological Risk Assessment Guidance for Superfund (USEPA, 1997a), USEPA Amended Guidance on Ecological Risk Assessment at Military Bases (USEPA, 2000a), and the Navy Policy for Conducting Ecological Risk Assessments (DON, 1999). The risk assessment for IR Site 4 consists of Step 1 of USEPA's 8-step ecological risk assessment process. Step 1 consists of the following:

Step 1 Screening-Level Problem Formulation and Ecological Effects Evaluation

Section 7.2.1 provides the environmental setting and summarizes the site history for Site 4. The fate and transport characteristics of the chemicals detected in subsurface soil and groundwater are provided in Section 7.2.2. The ecotoxicity of site contaminants and potential ecological receptors are described in Section 7.2.3. Section 7.2.4 describes complete exposure pathways. Uncertainties inherent with the ecological risk assessment are discussed in Section 7.3 and the summary and conclusions of this ecological risk assessment are provided in Section 7.4.

7.2 SCREENING-LEVEL PROBLEM FORMULATION

The Problem Formulation presents the site history, describes physical and ecological characteristics of the site, identifies ecological receptors of concern, and provides the basis for selecting assessment and measurement endpoints. These items provide the information that will be used to develop the conceptual exposure model for the site.

7.2.1 Environmental Setting

Saufley Field is located in Escambia County, northwest Florida. The facility is situated between Interstate 10 and Perdido Bay approximately five miles northwest of Pensacola, Florida (see Figure 1-1). OLF Saufley consists of four inactive airstrips. The base also has a number of support buildings and a Federal Prison located south of the airfield. OLF Saufley encompasses 866 acres with the majority of the area consisting of airstrips, grass covered fields, buildings, and woods.

OLF Saufley opened in 1940 as NAAS Saufley. NAAS Saufley was used to train pilots during World War II and the Korean Conflict. In 1957, the mission at Saufley Field was changed to basic training for naval aviators. NAAS Saufley was re-designated as a Naval Air Station in 1968 and retained that status until

1976 when NAS Saufley operations were discontinued and the facility was placed in caretaker status. Between 1976 and 1979 Saufley Field was used as an OLF for NAS Whiting Field. In 1979, Saufley Field was reactivated as NETPMSA. Saufley Field was renamed the NETPDTC in 1996. Saufley Field is now used primarily to train and educate Naval personnel and to house federal prisoners.

Site 4 lies between Sprague Avenue and the southern runways (Figure 1-2). The area covers approximately 713,000 square feet (16 acres) and the site elevation is approximately 80 feet above mean sea level. The site lies on the eastern slope of a low area between these two roads and across the street from the entrance to the Officers' Quarters. There is approximately 2 feet of vertical relief across the site. Most of the site is paved or built on. Grass and shrubs cover landscape islands and building lawns.

Site 4 consists of Hangars 807, 808, 809, and 810 and the concrete and a limited amount of grass covered areas immediately surrounding them. The hangars are roughly located symmetrically about the control tower, Building 803. Based on a review of historic aerial photographs, these hangars were initially constructed with concrete pavement surrounding the structures on all sides with the exception of small grass covered areas surrounded by curbs located adjacent to administrative doorways. For this reason, investigation for spilled fuels, oils, and solvents near the hangars was restricted to the locations of gasoline and used oil/solvent tanks and the wash racks (Figure 1-2).

No environmental investigations involving sampling and analysis of environmental media had been performed at Site 4 prior to this investigation. In May 1992, NEESA based in Port Hueneme, California submitted the "Preliminary Assessment Report, NETPMSA, Saufley Field, Escambia County, Florida." In this document, NEESA made the following general statements or observations regarding Site 4:

- Used oil/solvents were placed in two 2000-gallon capacity USTs designated tanks 807-B and 819-B located at Hangars 807 and 810, respectively.
- Waste solvents may also have been stored in these tanks.
- When the tanks were full, used oil/solvents were transported off base or burned by the base fire department at the fire fighting training pit north of the runways.
- Additional tanks associated with Hangars 807 and 810 were 1000-gallon kerosene tanks (Tanks 807-C and 819-C) and 1000-gallon gasoline tanks (Tanks 807-D and 819-D).

Previous investigations in the vicinity of Site 4 consisted of the completion of an RI at adjacent Site 2406 (Building 2406). The Site 2406 Site Assessment Report included groundwater sampling in a portion of what is now included in Site 4. The Site Assessment Report at UST Site 2406 concluded that petroleum

contaminants are present in subsurface soil at 25 to 45 feet bls in the vicinity of a free product plume, and that groundwater contamination extends from approximately 45 feet bls to 130 feet bls.

Site 4 is located in a developed area of the base. Ground cover at the site is predominantly concrete areas (runway), hangars, and a limited amount of grass landscaping. No wooded or grassy areas are present. No large trees are present at the site. No wetlands are located in the vicinity of Site 4. Soils from the developed areas at Site 4 are classified as urban land, which are typical of industrial areas. The native soils usually have been altered by grading or fill and the ground surfaces have been paved or built upon. The remaining soils are classified as Bonifay loamy sand. The majority of the site is paved to a depth of 12 to 18 inches thick. Although organic carbon was not analyzed in soil samples from Site 4, the sandy soils of northwest Florida are typically low in organic carbon content.

Site 4 is located within the central portion of the facility on the eastern slope of a shallow closed depression bound by paved roads on all four sides. The topography forms a plateau at the site and precipitation rapidly runs off due to the paved surfaces covering the site. Sites for rainfall infiltration are limited to pavement cracks and seams and limited landscaping areas scattered throughout the site. Surface water features are not present at the site. A small pond located approximately 1100 feet to the south of site is the nearest surface water feature. The nearest stream is Eight Mile Creek, which is located less than 1 mile northwest of the site. A 5000-foot long drainage ditch lies approximately 1000 feet from the site. This ditch is downgradient of the site hydrogeologically and at a lower elevation from the site. Water in this drainage ditch flows southwesterly and empties directly into Perdido Bay. Regional overland runoff is to the west towards Perdido River and Perdido Bay.

On January 9, 2007, the relative groundwater elevations in the shallow monitoring wells ranged from 57.84 feet on the east side of Site 4 to 34.34 feet on the west side of the site. The deepest groundwater elevations for deep monitoring wells were 32.66 feet and 57.84 feet. Interpretation of data from Site 4 indicates that overall, groundwater flow at the water table is to the nortwest.

A list of federally listed threatened and endangered species and species of special concern for Escambia County was obtained from the web site for the Ecological Services and Fisheries Resource Office of the U.S. Fish and Wildlife Service in Panama City, Florida and is included in Appendix F. Five fish, 11 amphibians/reptiles, 16 birds, 6 mammals, 5 invertebrates, and 29 plants are listed as threatened, endangered, or a species of special concern for the county. The habitats listed for many special status species (i.e., estuarine, marine, riverine, palustrine, upland forest) do not exist at Site 4 or adjacent areas. Therefore, the special status species recorded in Escambia County would not be expected inhabit the site.

On-site wildlife is limited to occasional birds, reptiles, rodents, and stray cats. Due to lack of suitable habitat, wildlife use of the site is assumed to be infrequent.

7.2.2 Contaminant Fate and Transport

The release of some of the contaminants at Site 4 appears to have resulted from fuel spills and or leaks. The origin of other contaminants, such as chromium, is unclear, as many industrial or chemical processes could be the source. The source and nature of materials, as well as the time of disposal, are unknown. The area currently occupied by OLF Saufley was farm and woodland, before the Navy purchased it in the 1930's.

No surface soil samples were collected at Site 4. Only a small percentage of the ground surface is exposed. The remaining areas are covered by concrete, asphalt, and building with concrete up to 18 inches thick in some places. The concrete/asphalt soil barrier, along with the nature and age of the contamination, precluded the need for surface soil sampling during the investigation.

Potential contaminant release mechanisms at Site 4 include the mobilization of contaminants from wastes discharged directly to surface soil with impact to local groundwater by infiltration of precipitation and dissolution of soluble contaminants. Soluble constituents can be transported to the water table by rainwater infiltration, and may continue to migrate downgradient to an ultimate discharge location.

Transport is affected by the chemical and physical properties of both the soil and the contaminants. Currently erosion and overland transport of particulate matter from site surface soil do not appear to be important transport mechanisms at Site 4 due to the developed nature of the site. Past erosion and overland transport of surface soil via storm water runoff as well as airborne dispersion by wind may have resulted in contaminant transport and deposition. Sources outside of Site 4 may also be responsible for contamination found in subsurface soil and groundwater.

The following discussions address classes of contaminants detected in subsurface soil and/or groundwater that were evaluated against several criteria to determine their classification as COPCs. These chemicals were further evaluated as part of the SLERA. The following sections present a summary of process used to determine if any of the selected chemicals are a significant ecologic risk.

7.2.2.1 VOCs

VOCs are poorly adsorbed to soil and sediment particles. In addition, because they are very volatile, they typically are detected in surface water, surface soil, and sediment only at low concentrations. VOCs in soil will dissolve in rainwater to varying degrees and could be transported overland with runoff or into

groundwater. Photolysis and hydrolysis are not significant mechanisms for VOC degradation. Aerobic biodegradation in soil and groundwater is significant, however, and anaerobic degradation can occur in these media. VOCs do not bioaccumulate in ecological receptors, and therefore, biomagnification through the food chain is not significant. VOCs are typically toxic to ecological receptors only at relatively high concentrations.

7.2.2.2 SVOCs

Most SVOCs detected in Site 4 media were PAHs and phthalates. PAHs are a diverse group of compounds consisting of two or more substituted and unsubstituted polynuclear aromatic rings formed by the incomplete combustion of carbonaceous materials. PAHs are ubiquitous in the modern environment and are common constituents of coal tar, soot, vehicle exhaust, cigarette smoke, certain petroleum products, road tar, mineral oils, creosote, and many cooked foods. PAHs can also be released to the environment through natural sources such as forest fires. The fate and transport characteristics of PAHs are dependent on their molecular weights. Low molecular weight PAHs are more soluble and volatile, and therefore, more mobile. They may volatilize and photolyze from soil and surface water, and they also may be biodegraded. High molecular weight PAHs tend to be immobile and insoluble, binding strongly to organic matter (reducing the potential for leaching to groundwater), and they are resistant to volatization, photolysis, and biodegradation (Eisler, 2000). Upper tropic level organisms are primarily exposed to PAHs through diet, but most wildlife can metabolize and excrete PAHs. Vertebrates can readily metabolize PAHs, but lower forms (insects and worms) cannot metabolize PAHs as quickly. USEPA Region IV considers the potential toxicity of PAHs via the terrestrial food web to be generally negligible unless PAHs are present at extremely high concentrations (i.e., percent levels: 10,000 mg/kg) in soil. Food chain uptake does not appear to be a major exposure source to PAHs, and food-chain biomagnification of PAHs is typically minimal (ATSDR, 1989). PAHs may be absorbed by plants but are expected to be translocated, metabolized, and potentially photodegraded. Accumulation within plants is likely to occur only in heavily polluted locations where uptake exceeds metabolism and degradation (Edwards, 1983).

Two phthalates (butyl benzyl phthalate and di-N-butyl phthalate) were detected in groundwater. Plastic wastes are the major source of phthalates, which are relatively persistent in the environment. Although numerous studies have demonstrated that phthalates undergo biodegradation, this is a slow process. Some microorganisms have been shown to excrete products that increase the solubility of phthalates and enhance their biodegradation (Gibbons and Alexander, 1989). Adsorption onto soils and sediments appears to be a significant sink for phthalates. If released to water, phthalates tend to adsorb strongly to suspended particulate matter within the water column and sediment. Butyl benzyl phthalate and di-N-

butyl phthalate are not expected to significantly volatilize or appreciably leach from soil into groundwater (Spectrum, 2003). Biomagnification of phthalates does not occur.

7.2.2.3 Pesticides

Chlorinated pesticides are highly persistent in the environment, and tend to tightly sorb to organic matter and be immobile in most soils. Although organic carbon was not analyzed in soil samples from Site 4, the sandy soils of northwest Florida are typically low in organic carbon content, which is presumably a major contributing factor in the migration of pesticides from soil into groundwater at the site. Degradation of chlorinated pesticides in soil would eventually occur through volatization, photolysis, and aerobic and anaerobic degradation. Due to the lipophilicity of organochlorine pesticides, they can bioaccumulate in animals. These compounds generally bioconcentrate in lower trophic level organisms and can be transferred and magnified in higher trophic level organisms. One chlorinated pesticide (heptachlor) was reported in subsurface soil, but none were reported in groundwater at Site 4.

7.2.2.4 PCBs

PCBs include to a variety of mixtures of individual biphenyl isomers, each consisting of two joined benzene rings and up to 10 chlorine atoms. Mixtures of these isomers are known by their commercial designation of Aroclor. Only one PCB compound (Aroclor-1260) was detected in subsurface soil at Site 4.

PCBs adsorb strongly to soil particles with adsorption generally increasing with the degree of chlorination. PCBs generally do not significantly leach in aqueous soil systems. PCBs released into water adsorb to sediments and other organic matter. Typically, PCB concentrations are greater in sediment and suspended material than in the water column. Aquatic sediments can act as an environmental reservoir from which PCBs may be released slowly over a long period of time (ATSDR, 2000). For PCBs that exist in the dissolved state in water, volatization becomes the primary fate process. Degradation of PCBs in the environment is dependent upon the degree of chlorination. Generally, the more chlorinated the PCB molecule, the more persistent it will be in the environment. Factors that determine biodegradability include the amount of chlorination, concentration, microbial population type, available nutrients, and the temperature (ATSDR, 2000). Biodegradation of higher chlorinated PCBs (such as Aroclor-1260) occurs very slowly (HSDB, 2007). PCBs can significantly bioconcentrate in aquatic organisms.

7.2.2.5 Metals

Metals released to soils will tend to remain in soils but may impact groundwater through infiltration and surface water through run off and erosion. Leaching of metals is more apt to occur under acid conditions

in sandy soils with low organic matter content. Many metals occur naturally in soil, surface water, and sediment due primarily to chemical weathering of rocks. Factors such as pH, clay content, and organic matter content influence the bioavailability of metals to potential receptors. In water, most metals tend to adsorb to sediment or to suspended particles in the water column. However, because of dissolution, complexation, and sediment resuspension, metals are often detected in surface water. Arsenic, cadmium, chromium, copper, lead, mercury, silver, and zinc have the potential to bioaccumulate in biota (USEPA, 2000b).

7.2.3 Ecotoxicity

VOCs, SVOCs, pesticides, PCBs, and metals were detected in either subsurface soil or groundwater samples collected at Site 4. The following abstracts from the literature provide general discussions of each group's ecotoxicity.

7.2.3.1 VOCs

VOCs readily volatilize, are poorly adsorbed to soil and sediment particles, and are typically detected in surface water, surface soil, and sediment only at low concentrations. VOCs do not bioaccumulate in ecological receptors, and their toxicity to ecological receptors is relatively low.

7.2.3.2 SVOCs

Few generalizations can be made about the ecotoxicity of PAHs because of the extreme variability in toxicity and physiochemical properties of PAHs. Adverse impacts to plants from PAHs, however, are rare (Eisler, 2000). In most animal species, PAHs are metabolized by a mixed-function oxidase enzyme system into intermediates that may be toxic, mutagenic, or carcinogenic to the host. Some invertebrate species cannot efficiently metabolize PAHs, and PAHs can be chronically toxic to invertebrates, but overall, very little is known about the toxicological mechanisms of PAHs in invertebrates (Erstfield and Snow-Ashbrook, 1999). PAHs can bind to cellular macromolecules and thereby disrupt their function in higher-level organisms such as mammals and birds. Biological macromolecules include polymers of carbohydrates (e.g., starch), amino acids (proteins), and nucleotides (e.g., DNA). The cellular functions of these polymers include structure, energy storage, energy transfer, material transport, and the storage and transmittal of genetic information. PAHs show little tendency to biomagnify in the food web (Eisler, 2000). USEPA Region 4 considers the potential toxicity of PAHs via the terrestrial food web to be generally negligible unless PAHs are present at extremely high concentrations (i.e., percent levels: 10,000 mg/kg) in soil. Microbial metabolism is the major process for degradation of PAHs in soil (ATSDR, 1997).

Chronic oral exposure to phthalates can result in liver toxicity in mammals. Ingested phthalates metabolize to monoesters in the gut and are subsequently absorbed. Following absorption, phthalates distribute primarily to the liver and kidneys and may, in some species, concentrate in the testes (Rhodes et al., 1986). Liver carcinogenesis has been observed (ATSDR, 1997). Many receptors are able to metabolize and excrete phthalate esters, so their ability to bioaccumulate varies among species.

7.2.3.3 Pesticides

Organochlorine pesticides are reproductive and nervous system toxins. Although these compounds were used as insecticides, they are toxic to other animals as well. The target organ for acute exposures is the nervous system, while chronic exposures can affect the liver and endocrine systems of higher animals. Organochlorine pesticides are lipophilic and can be stored in the fat tissue of organisms such as birds and mammals. They can cause reproductive failure in birds of prey through eggshell thinning and disruption of egg-laying and nesting cycles (Amdur et al., 1991). These pesticides were developed to control insects on crops, and as a result, they are practically non-toxic to plants.

7.2.3.4 PCBs

PCBs are highly lipophilic, and can bioaccumulate in animals. PCBs can accumulate in offspring through placental transfer in mammals and accumulation in bird eggs, and can accumulate in upper trophic level animals such as piscivorous birds and mammals that feed on contaminated prey items (Eisler, 2000). Toxicity to aquatic organisms can occur through chronic exposures to PCBs at the parts per billion level. In animals, the primary effect associated with PCB exposure is the induction of liver enzyme systems. These enzymes are associated with detoxification mechanisms and with the metabolism of hormones. Adverse reproductive effects observed with PCB exposure are associated with induction of the enzyme systems. The toxicity of PCBs to mammals and birds varies, depending on the particular PCB and the animal species. Mink, for example, are highly sensitive to PCBs. Impacts to mink include anorexia, weight loss, lethargy, reproductive effects, and death (Eisler, 2000). Among sensitive avian species, PCBs disrupt the normal pattern of growth, reproduction, metabolism, and behavior. PCBs are not water soluble and accumulate to a much greater degree in animals than in plants. Nevertheless, plant-related effects of PCB exposure can include slower growth, reduced chlorophyll content, and diminished photosynthesis (USEPA, 1999a).

7.2.3.5 Metals

It is difficult to make generalizations about the toxic actions of metals because of diverse affinities for organic molecules in biological structures, a wide array of biological effects, and a multiplicity of target organs and systems (Amdur et al., 1991). At the molecular level, metals can manifest toxicity in many

ways, including selectively accumulating in target organs (such as the kidneys), substituting for essential metals, and mimicking essential substrates (Clarkson, 1983). At the molecular level, metal toxicity typically affects enzyme systems, leading to disruption of cellular transport, cellular respiration, cell division, and other physiological processes. Metal toxicity to aquatic organisms is marked by a broad spectrum of effects that can range from reduced growth to death. Aquatic organisms are most sensitive to metal toxicity in the embryonic and larval stages of the life cycle.

7.2.4 Complete Exposure Pathways

Soil invertebrates and plants are typically exposed to soil contaminants through ingestion and direct contact with surface soil. The USEPA defines surface soils as those soils within the root zone at a specific site (USEPA, 2005). The USEPA further states that ecological risks from potential exposure to contaminated subsurface soils are generally not considered for ecological receptors except in some cases where there may be risks to animals that burrow beneath the root zone or where the root zone can extend several feet. The majority of Site 4 is covered by buildings and concrete runway and as previously discussed is paved to a depth of 12 to 18 inches thick. As the depth of concrete occupies the horizon that would typically be inhabited by soil invertebrates and plants, the exposure pathway to soil invertebrates and plants is considered incomplete.

No complete exposure pathways to higher trophic level animals are present at Site 4. Ground cover at the site is predominantly paved areas or buildings with little undisturbed native soils. The current land use discourages use of the site by birds and mammals except as occasional transients. The exposure of higher trophic level animals such as birds and mammals to site-related contamination through ingestion of contaminated food items is, therefore, considered unlikely due to the absence of habitat at Site 4. Consequently, this is not considered to be a complete exposure pathway. Similarly, the incidental ingestion of soil contaminants while preening feathers is not considered a significant source of potential exposure as birds are not anticipated to reside at the site or be present for extended periods of time. Exposure to contaminants in soil through dermal contact could occur, but is unlikely to represent a major exposure pathway because feathers and chitinous exoskeletons minimize transfer of contaminants across dermal tissue. Additionally, these pathways are not considered significant routes of exposure as only limited areas of exposed soil are present at the site. Airborne transport is a negligible pathway; consequently, the inhalation pathway is not significant. Due to the depth to groundwater and absence of discharge locations at the site, exposure to contaminants in groundwater is not anticipated to occur at Site 4.

Actual or potential exposures of ecological receptors are determined by identifying the most likely pathways of contaminant release and transport. A complete exposure pathway has three components: (1) a source of chemicals that can be released to the environment, (2) a route of contaminant transport

through an environmental medium, and (3) an exposure or contact point for an ecological receptor. As explained in Step 1 of USEPA's Ecological Risk Assessment Guidance (USEPA, 1997a), if an exposure pathway is not complete, that exposure pathway does not need to be evaluated.

Exposure pathways to soil invertebrates and plants are incomplete as are exposure pathways to upper trophic level receptors that might feed on soil-dwelling organisms and plants or be exposed to contaminated surface soil. The characteristics of the contaminants identified in subsurface soil and groundwater reduces the potential of their being available for exposure of ecological receptors at Site 4. In summary, no complete exposure pathways and routes of entry into biota are present at Site 4.

7.3 UNCERTAINTY

The primary uncertainty associated with assessing potential ecological risk at Site 4 is the absence of surface soil data. Soil samples available for evaluation in this risk assessment consisted of samples collected at depths of 2 feet or greater below the soil surface. The history and nature of contaminant releases indicated that surface soil contamination was unlikely; consequently no surface soil samples were collected. While the absence of surface soil data introduces uncertainty, this uncertainty is mitigated by the fact that concrete is present across the majority of the site from the surface to depths ranging from 12 to 18 inches, which is the soil horizon that would normally be occupied by soil invertebrates and plants.

7.4 SUMMARY AND CONCLUSIONS

An evaluation of the exposure setting at OLF Saufley Site 4 indicated an absence of complete exposure pathways to soil invertebrates, plants, and upper trophic level receptors. The habitat at Site 4 minimizes its use by ecological receptors, and the presence of concrete throughout most of the site from the surface to depths ranging from 12 inches to 18 inches reduces the availability of subsurface contamination to potential receptors. Since a complete exposure pathway does not exist at Site 4, the potential for ecological impacts from site-related contaminants does not exist, and no further assessment of ecological risks is applicable.

TABLE E-1

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPCs - RESIDENTIAL EXPOSURES TO SUBSURFACE SOIL
SITE 4
NETPDTC, SAUFLEY
PENNSACOLA, FLORIDA

Chemical	Incremental Lifetime Carcinogenic Risk (ILCR)			Estimated Non-Carcinogenic Hazard Quotient (HQ)		
	Exposure Point Concentration (mg/kg)	SCTL[1] (mg/kg)	Estimated ILCR	Primary Target Organs	SCTL[1] (mg/kg)	Estimated HQ
Aluminum	12800	NA	NA	Body Weight	80000	0.2
Arsenic	2.2	2.1	1E-06	Cardiovascular, Skin	26	0.08
Chromium	9.6	210	5E-08	Respiratory	234	0.04
Iron	7490	NA	NA	Gastrointestinal	53000	0.1
Manganese	61.4	NA	NA	Neurological	3500	0.02
Vanadium	17.2	NA	NA	Hair Loss	67	0.3
		Total ILCR	1E-06		Total HI	0.7

1 - Table II Soil Cleanup Target Levels (FDEP, April 2005). Some noncarcinogenic SCTLs not presented in Table II were calculated as per the methodology presented in Technical Report: Development of Soil Cleanup Target Levels (SCTLs) for Chapter 62-777, F.A.C., Final Report, February, 2005.

NA - Not applicable. There are no cancer slope factors (CSF) available for this chemical.

TABLE E-2

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPCs - TYPICAL INDUSTRIAL EXPOSURES TO SUBSURFACE SOIL
SITE 4
NETPDTC, SAUFLEY
PENNSACOLA, FLORIDA

Chemical	Incremental Lifetime Carcinogenic Risk (ILCR)			Estimated Non-Carcinogenic Hazard Quotient (HQ)		
	Exposure Point Concentration (mg/kg)	SCTL[1] (mg/kg)	Estimated ILCR	Primary Target Organs	SCTL[1] (mg/kg)	Estimated HQ
Aluminum	12800	NA	NA	Body Weight	1000000	0.01
Arsenic	2.2	12	2E-07	Cardiovascular, Skin	657	0.003
Chromium	9.6	470	2E-08	Respiratory	5940	0.002
Iron	7490	NA	NA	Gastrointestinal	1000000	0.007
Manganese	61.4	NA	NA	Neurological	43000	0.001
Vanadium	17.2	NA	NA	Hair Loss	10000	0.002
		Total ILCR	2E-07		Total HI	0.03

1 - Table II Soil Cleanup Target Levels (FDEP, April 2005). Some noncarcinogenic SCTLs not presented in Table II were calculated as per the methodology presented in Technical Report: Development of Soil Cleanup Target Levels (SCTLs) for Chapter 62-777, F.A.C., Final Report, February, 2005.

NA - Not applicable. There are no cancer slope factors (CSF) available for this chemical.

TABLE E-3

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPCs - CONSTRUCTION WORKERS EXPOSED TO SUBSURFACE SOIL
SITE 4
NETPDTC, SAUFLEY
PENNSACOLA, FLORIDA

Chemical	Incremental Lifetime Carcinogenic Risk (ILCR)			Estimated Non-Carcinogenic Hazard Quotient (HQ)		
	Exposure Point Concentration (mg/kg)	SCTL[1] (mg/kg)	Estimated ILCR	Primary Target Organs	SCTL[1] (mg/kg)	Estimated HQ
Aluminum	12800	NA	NA	Body Weight	11900	1
Arsenic	2.2	NA	NA	Cardiovascular, Skin	83	0.03
Chromium	9.6	11	9E-07	Respiratory	266	0.04
Iron	7490	NA	NA	Gastrointestinal	90600	0.08
Manganese	61.4	NA	NA	Neurological	173	0.4
Vanadium	17.2	NA	NA	Hair Loss	302	0.06
		Total ILCR	9E-07		Total HI	2

1 - SCTLs were calculated as per the methodology presented in Appendix D.
NA - Not applicable. There are no cancer slope factors (CSF) available for this chemical.

TABLE E-4

SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPCs
RESIDENTIAL EXPOSURE TO ONSITE GROUNDWATER
SITE 4
NETPDTC, SAUFLEY
PENNSACOLA, FLORIDA

Chemical	Estimated Lifetime Carcinogenic Risk (ILCR)			Estimated Non-Carcinogenic Hazard Quotient (HQ)		
	Exposure Concentration µg/L	PRG[1] µg/L	Estimated ILCR	Primary Target Organs	PRG[1] µg/L	Estimated HQ
Benzene	26	0.35	7E-05	Blood	44	0.6
Chlorodibromomethane	0.5	0.13	4E-06	Liver	120	0.004
Chloroform	3	0.17	2E-05	Liver	80	0.04
cis-1,2-Dichloroethene	350	NA	NA	Blood	61	6
Isopropylbenzene	80	NA	NA	Adrenals, Kidney	660	0.1
Tetrachloroethene	0.54	0.1	5E-06	Liver	220	0.002
Total Xylenes	840	NA	NA	Neurological	210	4
trans-1,2-Dichloroethene	48	NA	NA	Blood, Liver	110	0.4
Vinyl Chloride	0.36	0.02	2E-05	Liver	72	0.005
1-Methylnaphthalene[2]	8.6	NA	NA	Nasal	6.2	1
2-Methylnaphthalene[2]	12	NA	NA	Nasal	6.2	2
Benzo(a)pyrene Equivalents	0.044	0.0029	2E-05	NA	NA	NA
Naphthalene	79	NA	NA	Nasal	6.2	13
Aluminum	3110	NA	NA	Body Weight	36000	0.09
Arsenic	5.8	0.045	1E-04	Cardiovascular, Skin	11	0.5
Chromium	855	NA	NA	Respiratory	110	8
Iron	34500	NA	NA	Gastrointestinal	26000	1
Manganese	2790	NA	NA	Neurological	880	3
Nickel	438	NA	NA	Body Weight	730	0.6
Thallium	0.99	NA	NA	Hair Loss, Liver	2.4	0.4
Vanadium	12.1	NA	NA	Hair Loss	36	0.3
		Total Carcinogenic Risk	**3E-04**		**Total HI**	**41**

Total Body Weight HI =	0.7
Total Nasal HI =	16
Total Liver HI =	0.9
Total Gastrointestinal HI =	1
Total Hair Loss HI =	0.7
Total Blood HI =	7

Total Skin HI =	0.5
Total Cardiovascular HI =	0.5
Total Neurological HI =	7
Total Kidney HI =	0.1
Total Respiratory HI =	8
Total Adrenals HI =	0.1

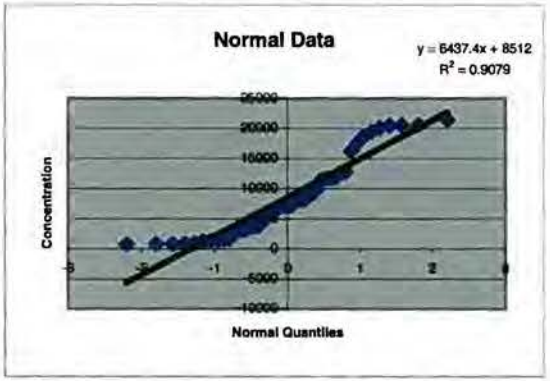
1 - Tap Water Preliminary Remediation Goal (PRG) (USEPA Region 9, October 2004, Updated December 28, 2004).

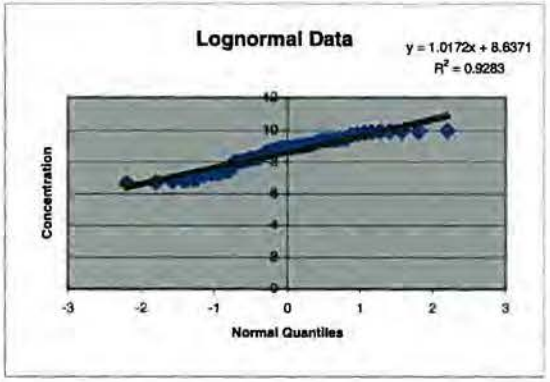
2 - The PRG for naphthalene is used as a surrogate for 1- and 2-methylnaphthalene.

NA - Not applicable. The USEPA has not established a cancer slope factor (CSF) or noncarcinogenic reference dose (RfD) for this chemical.

FDEP UCL Calculator Version 1.0

Goodness-of-fit test results Aluminum





Shapiro-Francia Results (Adjust for Censoring)

SF for Normal Distribution	0.9079
SF for LogNormal Distribution	0.9283
Shapiro-Francia critical value for p<0.05	NA

Test stat > critical value indicates a reasonable fit

Shapiro-Wilk's Test Results for All Data (BDL replaced with 1/2 DL)

SW test statistic for Normal Distribution	1.094
SW test statistic for LogNormal Distribution	1.100
Shapiro-Wilk's critical value for p<0.05	0.945

Test stat > critical value indicates a reasonable fit

Based on the results of the Shapiro-Wilk's test
Distribution is best described as: Lognormal

Lognormal

FDEP UCL Calculator Version 1.0 **10/2/07**

Summary Statistics for Aluminum	
Number of Samples	45
Number of Censored Data	0
Minimum	776
Maximum	21500
Mean	8512
Median	7200
Standard Deviation	6620.516
Variance	43831228
Coefficient of Variation	0.777786
Skewness	0.656777

95% UCL (Assuming Normal Data)	
Student's-t	10170.27

95% UCL (Adjusted for Skewness)	
Adjusted-CLT	10238.76
Modified-t	10186.37

95% Non-parametric UCL	
CLT	10135.5
Jackknife	NA
Standard Bootstrap	10289.34
Bootstrap-t	10405.79
Chebyshev (Mean, Std)	12814.02

Summary Statistics for ln(Aluminum)	
Minimum	6.654152
Maximum	9.975808
Mean	8.637099
Standard Deviation	1.034578
Variance	1.070351

Goodness-of-Fit Results	
Distribution Recommended	Lognormal
Distribution Used	Lognormal

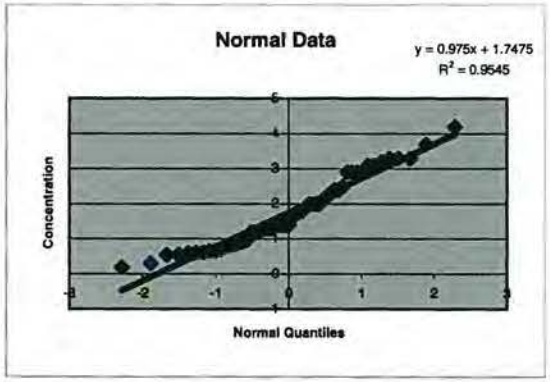
Estimates Assuming Lognormal Distribution	
MLE Mean	9626.49
MLE Standard Deviation	13326.35
MLE Median	5636.951
MLE Coefficient of Variation	1.384342
MVUE Estimate of Mean	9457.798
MVUE Estimate of Std. Dev.	12250.31
MVUE Estimate of SE	1723.041
MVUE Coefficient of Variation	1.29526

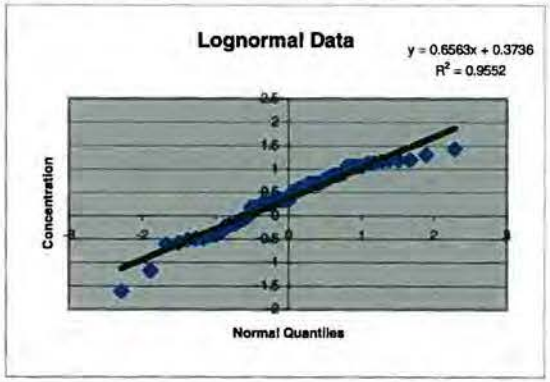
UCL Assuming Lognormal Distribution	
95% H-UCL	13987.97
95% Chebyshev (MVUE) UCL	16968.36
99% Chebyshev (MVUE) UCL	26601.88

FDEP Recommended UCL to Use:
12814.02

FDEP UCL Calculator Version 1.0

Goodness-of-fit test results Arsenic





Shapiro-Francia Results (Adjust for Censoring)

SF for Normal Distribution	0.9545
SF for LogNormal Distribution	0.9552
Shapiro-Francia critical value for p<0.05	NA

Test stat > critical value indicates a reasonable fit

D'Agostino's Test Results for All Data (BDL replaced with 1/2 DL)

Fit to Normal Distribution	TRUE
Fit to LogNormal Distribution	TRUE

Based on the results of the Shapiro-Wilk's test
Distribution is best described as: Lognormal

Lognormal

FDEP UCL Calculator Version 1.0 **10/2/07**

Summary Statistics for Arsenic	
Number of Samples	55
Number of Censored Data	0
Minimum	0.2
Maximum	4.2
Mean	1.747455
Median	1.4
Standard Deviation	0.980839
Variance	0.962045
Coefficient of Variation	0.561296
Skewness	0.523989

95% UCL (Assuming Normal Data)	
Student's-t	1.968794

95% UCL (Adjusted for Skewness)	
Adjusted-CLT	1.975002
Modified-t	1.970351

95% Non-parametric UCL	
CLT	1.965016
Jackknife	NA
Standard Bootstrap	1.990443
Bootstrap-t	2.081242
Chebyshev (Mean, Std)	2.32396

Summary Statistics for ln(Arsenic)	
Minimum	-1.60944
Maximum	1.435084
Mean	0.373648
Standard Deviation	0.659951
Variance	0.435536

Goodness-of-Fit Results	
Distribution Recommended	Lognormal
Distribution Used	Lognormal

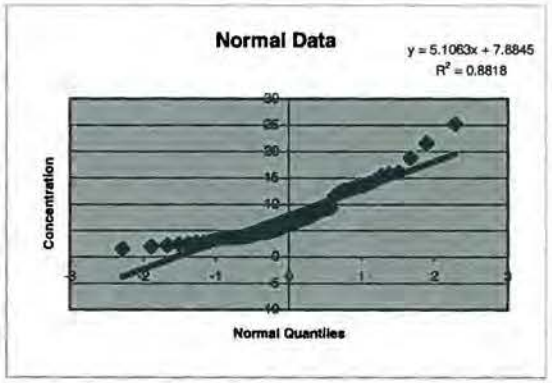
Estimates Assuming Lognormal Distribution	
MLE Mean	1.806545
MLE Standard Deviation	1.334633
MLE Median	1.453026
MLE Coefficient of Variation	0.738777
MVUE Estimate of Mean	1.797952
MVUE Estimate of Std. Dev.	1.304267
MVUE Estimate of SE	0.1738
MVUE Coefficient of Variation	0.725418

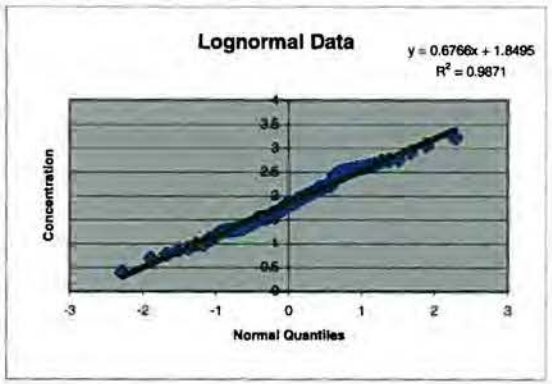
UCL Assuming Lognormal Distribution	
95% H-UCL	2.162548
95% Chebyshev (MVUE) UCL	2.555531
99% Chebyshev (MVUE) UCL	3.527249

FDEP Recommended UCL to Use:
2.162548

FDEP UCL Calculator Version 1.0

Goodness-of-fit test results Chromium





Shapiro-Francia Results (Adjust for Censoring)

SF for Normal Distribution	0.8818
SF for LogNormal Distribution	0.9871
Shapiro-Francia critical value for p<0.05	NA

Test stat > critical value indicates a reasonable fit

D'Agostino's Test Results for All Data (BDL replaced with 1/2 DL)

Fit to Normal Distribution	FALSE
Fit to LogNormal Distribution	TRUE

Based on the results of the Shapiro-Wilk's test
Distribution is best described as: Lognormal

Lognormal

FDEP UCL Calculator Version 1.0 **10/2/07**

Summary Statistics for Chromium	
Number of Samples	55
Number of Censored Data	0
Minimum	1.5
Maximum	25.3
Mean	7.884545
Median	6.2
Standard Deviation	5.344172
Variance	28.56017
Coefficient of Variation	0.677803
Skewness	1.217093

95% UCL (Assuming Normal Data)	
Student's-t	9.090529

95% UCL (Adjusted for Skewness)	
Adjusted-CLT	9.196328
Modified-t	9.11024

95% Non-parametric UCL	
CLT	9.069945
Jackknife	NA
Standard Bootstrap	9.115144
Bootstrap-t	9.734042
Chebyshev (Mean, Std)	11.02568

Summary Statistics for ln(Chromium)	
Minimum	0.405465
Maximum	3.230804
Mean	1.84952
Standard Deviation	0.669257
Variance	0.447905

Goodness-of-Fit Results	
Distribution Recommended	Lognormal
Distribution Used	Lognormal

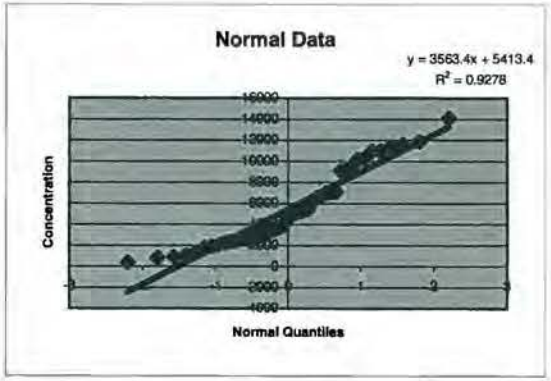
Estimates Assuming Lognormal Distribution	
MLE Mean	7.952393
MLE Standard Deviation	5.977693
MLE Median	6.35677
MLE Coefficient of Variation	0.751685
MVUE Estimate of Mean	7.913311
MVUE Estimate of Std. Dev.	5.837227
MVUE Estimate of SE	0.777354
MVUE Coefficient of Variation	0.737647

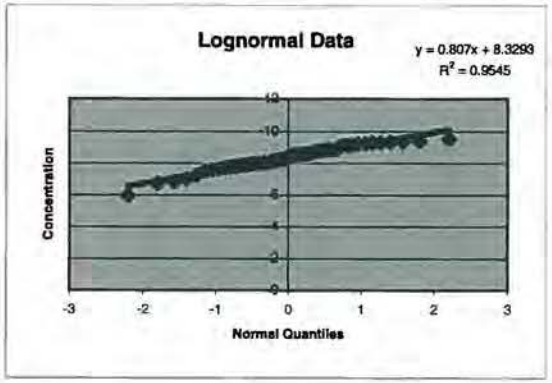
UCL Assuming Lognormal Distribution	
95% H-UCL	9.550128
95% Chebyshev (MVUE) UCL	11.30172
99% Chebyshev (MVUE) UCL	15.64791

FDEP Recommended UCL to Use:
9.550128

FDEP UCL Calculator Version 1.0

Goodness-of-fit test results Iron





Shapiro-Francia Results (Adjust for Censoring)

SF for Normal Distribution	0.9278
SF for LogNormal Distribution	0.9545
Shapiro-Francia critical value for p<0.05	NA

Test stat > critical value indicates a reasonable fit

Shapiro-Wilk's Test Results for All Data (BDL replaced with 1/2 DL)

SW test statistic for Normal Distribution	1.101
SW test statistic for LogNormal Distribution	1.138
Shapiro-Wilk's critical value for p<0.05	0.945

Test stat > critical value indicates a reasonable fit

Based on the results of the Shapiro-Wilk's test
Distribution is best described as: Lognormal

Lognormal

FDEP UCL Calculator Version 1.0 **10/2/07**

Summary Statistics for Iron	
Number of Samples	45
Number of Censored Data	0
Minimum	382
Maximum	14100
Mean	5413.356
Median	4580
Standard Deviation	3625.293
Variance	13142753
Coefficient of Variation	0.669694
Skewness	0.671378

95% UCL (Assuming Normal Data)	
Student's-t	6321.397

95% UCL (Adjusted for Skewness)	
Adjusted-CLT	6360.16
Modified-t	6330.412

95% Non-parametric UCL	
CLT	6302.358
Jackknife	NA
Standard Bootstrap	6367.333
Bootstrap-t	6509.745
Chebyshev (Mean, Std)	7769.076

Summary Statistics for ln(Iron)	
Minimum	5.945421
Maximum	9.55393
Mean	8.329326
Standard Deviation	0.809391
Variance	0.655113

Goodness-of-Fit Results	
Distribution Recommended	Lognormal
Distribution Used	Lognormal

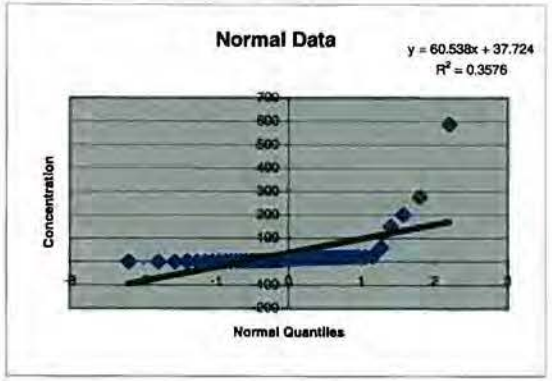
Estimates Assuming Lognormal Distribution	
MLE Mean	5749.583
MLE Standard Deviation	5530.849
MLE Median	4143.623
MLE Coefficient of Variation	0.961957
MVUE Estimate of Mean	5695.39
MVUE Estimate of Std. Dev.	5286.53
MVUE Estimate of SE	769.2624
MVUE Coefficient of Variation	0.928212

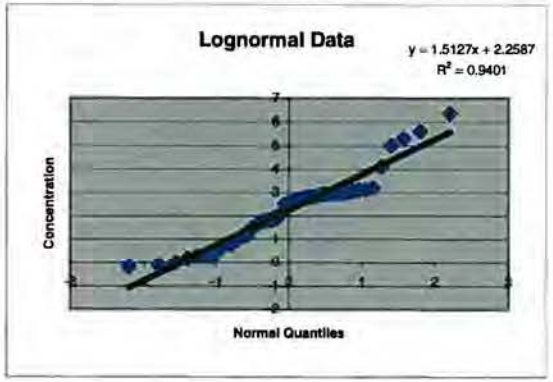
UCL Assuming Lognormal Distribution	
95% H-UCL	7487.715
95% Chebyshev (MVUE) UCL	9048.527
99% Chebyshev (MVUE) UCL	13349.47

FDEP Recommended UCL to Use:
7487.715

FDEP UCL Calculator Version 1.0

Goodness-of-fit test results Manganese





Shapiro-Francia Results (Adjust for Censoring)

SF for Normal Distribution	0.3576
SF for LogNormal Distribution	0.9401
Shapiro-Francia critical value for p<0.05	NA

Test stat > critical value indicates a reasonable fit

Shapiro-Wilk's Test Results for All Data (BDL replaced with 1/2 DL)

SW test statistic for Normal Distribution	0.409
SW test statistic for LogNormal Distribution	1.096
Shapiro-Wilk's critical value for p<0.05	0.945

Test stat > critical value indicates a reasonable fit

Based on the results of the Shapiro-Wilk's test
Distribution is best described as: Lognormal

Lognormal

FDEP UCL Calculator Version 1.0 **10/2/07**

Summary Statistics for Manganese	
Number of Samples	45
Number of Censored Data	0
Minimum	0.85
Maximum	588
Mean	37.724
Median	12.7
Standard Deviation	99.2007
Variance	9840.778
Coefficient of Variation	2.629644
Skewness	4.51341

95% UCL (Assuming Normal Data)	
Student's-t	62.57119

95% UCL (Adjusted for Skewness)	
Adjusted-CLT	72.68313
Modified-t	64.22945

95% Non-parametric UCL	
CLT	62.05021
Jackknife	NA
Standard Bootstrap	59.1125
Bootstrap-t	73.01974
Chebyshev (Mean, Std)	102.1847

Summary Statistics for ln(Manganese)	
Minimum	-0.16252
Maximum	6.376727
Mean	2.258718
Standard Deviation	1.528788
Variance	2.337194

Goodness-of-Fit Results	
Distribution Recommended	Lognormal
Distribution Used	Lognormal

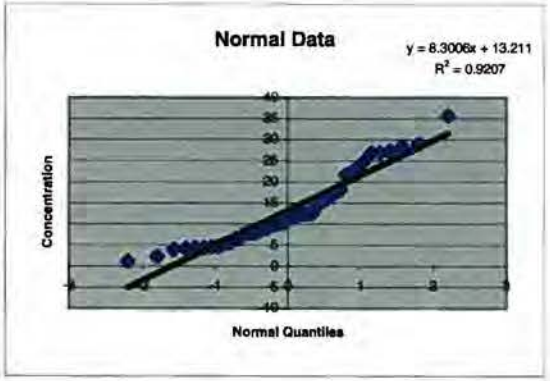
Estimates Assuming Lognormal Distribution	
MLE Mean	30.79386
MLE Standard Deviation	94.17157
MLE Median	9.570813
MLE Coefficient of Variation	3.058128
MVUE Estimate of Mean	29.2133
MVUE Estimate of Std. Dev.	73.15277
MVUE Estimate of SE	8.810885
MVUE Coefficient of Variation	2.504091

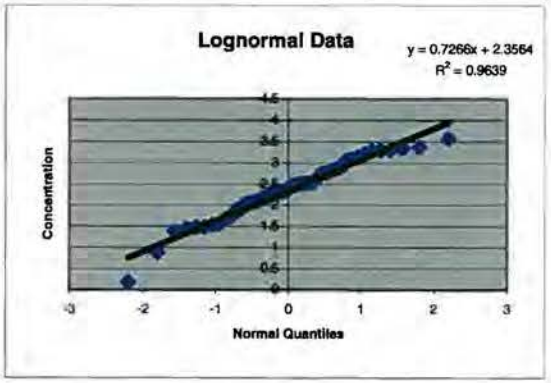
UCL Assuming Lognormal Distribution	
95% H-UCL	61.38931
95% Chebyshev (MVUE) UCL	67.61906
99% Chebyshev (MVUE) UCL	116.8807

FDEP Recommended UCL to Use:
61.38931

FDEP UCL Calculator Version 1.0

Goodness-of-fit test results Vanadium





Shapiro-Francia Results (Adjust for Censoring)

SF for Normal Distribution	0.9207
SF for LogNormal Distribution	0.9639
Shapiro-Francia critical value for p<0.05	NA

Test stat > critical value indicates a reasonable fit

Shapiro-Wilk's Test Results for All Data (BDL replaced with 1/2 DL)

SW test statistic for Normal Distribution	1.079
SW test statistic for LogNormal Distribution	1.139
Shapiro-Wilk's critical value for p<0.05	0.945

Test stat > critical value indicates a reasonable fit

Based on the results of the Shapiro-Wilk's test
Distribution is best described as: Lognormal

Lognormal

FDEP UCL Calculator Version 1.0 **10/2/07**

Summary Statistics for Vanadium	
Number of Samples	45
Number of Censored Data	0
Minimum	1.2
Maximum	35.8
Mean	13.21111
Median	10.9
Standard Deviation	8.477034
Variance	71.8601
Coefficient of Variation	0.641659
Skewness	0.854962

95% UCL (Assuming Normal Data)	
Student's-t	15.33439

95% UCL (Adjusted for Skewness)	
Adjusted-CLT	15.46198
Modified-t	15.36123

95% Non-parametric UCL	
CLT	15.28987
Jackknife	NA
Standard Bootstrap	15.56784
Bootstrap-t	16.81089
Chebyshev (Mean, Std)	18.7195

Summary Statistics for ln(Vanadium)	
Minimum	0.182322
Maximum	3.577948
Mean	2.356375
Standard Deviation	0.725225
Variance	0.525952

Goodness-of-Fit Results	
Distribution Recommended	Lognormal
Distribution Used	Lognormal

Estimates Assuming Lognormal Distribution	
MLE Mean	13.72682
MLE Standard Deviation	11.41943
MLE Median	10.55263
MLE Coefficient of Variation	0.831907
MVUE Estimate of Mean	13.62751
MVUE Estimate of Std. Dev.	11.03005
MVUE Estimate of SE	1.617962
MVUE Coefficient of Variation	0.809396

UCL Assuming Lognormal Distribution	
95% H-UCL	17.24555
95% Chebyshev (MVUE) UCL	20.68004
99% Chebyshev (MVUE) UCL	29.72606

FDEP Recommended UCL to Use:
17.24555

CALCULATION WORKSHEET

CLIENT: NETPDTC, SAUFLEY		**JOB NUMBER:** 0389
SUBJECT: CALCULATION OF ALTERNATE SOIL CLEANUP TARGET LEVELS (SCTLS) FOR CARCINOGENS CONSTRUCTION WORKERS		
BASED ON: TECHNICAL REPORT: DEVELOPMENT OF SOIL CLEANUP TARGET LEVELS FOR CHAPTER 62-777, F.A.C., FDEP, FEBRUARY 2005		
BY: R. JUPIN	**CHECKED BY:** T. Jackson	**DATE:** 10/18/2006

PURPOSE: To calculate an alternative soil cleanup level for consturction workers exposed to soil.

RELEVANT EQUATIONS:

$$SCTL = \frac{TR \times BW \times AT}{EF \times ED \times FC \times [Intake_{Ing} + Intake_{Der} + Intake_{Inh}]}$$

$$Intake_{Ing} = CSFo \times IRo \times 10^{-6}\ kg/mg$$

$$Intake_{Der} = CSFd \times SA \times AF \times DA \times 10^{-6}\ kg/mg$$

$$Intake_{Inh} = CSFi \times IRi \times (1/VF + 1/PEF)$$

Where:

Chemical	=	Benzo(a)pyrene (cPAHs)	
SCTL	=		Soil Cleanup Target Level (mg/kg)
TR	=	1.0E-06	Target Cancer Risk (unitless)
BW	=	70	Body weight (kg)
AT	=	25550	Averaging time (days)
EF	=	250	Exposure frequency (days/year)
ED	=	1	Exposure duration (years)
FC	=	1	Fraction from contaminated source (unitless)
IRo	=	330	Ingestion rate, oral (mg/day)
SA	=	3300	Surface area of skin exposed (cm^2/day)
AF	=	0.3	Adherence factor (mg/cm^2)
DA	=	0.13	Dermal absorption (unitless)
IRi	=	20	Inhalation rate (m^3/day)
VF	=	2.72E+07	Volatilization factor (m^3/kg)
PEF	=	2.43E+06	Particulate emission factor (m^3/kg)
CSFo	=	7.30E+00	Oral cancer slope factor $(mg/kg/day)^{-1}$
CSFd	=	7.30E+00	Dermal cancer slope factor $(mg/kg/day)^{-1}$
CSFi	=	3.10E+00	Inhalation cancer slope factor $(mg/kg/day)^{-1}$

CLIENT: NETPDTC, SAUFLEY		**JOB NUMBER:** 0389
SUBJECT: CALCULATION OF ALTERNATE SOIL CLEANUP TARGET LEVELS (SCTLS) FOR CARCINOGENS CONSTRUCTION WORKERS		
BASED ON: TECHNICAL REPORT: DEVELOPMENT OF SOIL CLEANUP TARGET LEVELS FOR CHAPTER 62-777, F.A.C., FDEP, FEBRUARY 2005		
BY: R. JUPIN	**CHECKED BY:** T. Jackson	**DATE:** 10/18/2006

EXAMPLE CALCULATION

$Intake_{Ing}$ = 7.30E+00 (mg/kg-day)-1 x 330 mg/day x 1E-06 kg/mg

$Intake_{Ing}$ = 2.41E-03 kg-kg/mg

$Intake_{Der}$ = 7.30E+00 (mg/kg-day)-1 x 3300 cm2/day x 0.3 mg/cm2 x 0.13 x 1E-06 kg/mg

$Intake_{Der}$ = 9.40E-04 kg-kg/mg

$Intake_{Inh}$ = 3.10E+00 (mg/kg-day)-1 x 20 m3/day x (1/2.72E+07 m3/kg + 1/2.43E+06 m3/kg)

$Intake_{Inh}$ = 2.78E-05 kg-kg/mg

$$SCTL = \frac{1.E\text{-}06 \times 70\ kg \times 25550\ days}{250\ days/yr \times 1\ yrs \times 1 \times [2.41E\text{-}03\ kg\text{-}kg/mg + 9.40E\text{-}04\ kg\text{-}kg/mg + 2.78E\text{-}05\ kg\text{-}kg/mg]}$$

SCTL = 2.12E+00 mg/kg ✓

CALCULATION WORKSHEET

CLIENT: NETPDTC, SAUFLEY		**JOB NUMBER:** 0389
SUBJECT: CALCULATION OF ALTERNATE SOIL CLEANUP TARGET LEVELS (SCTLS) FOR NONCARCINOGENS - CONSTRUCTION WORKERS		
BASED ON: TECHNICAL REPORT: DEVELOPMENT OF SOIL CLEANUP TARGET LEVELS FOR CHAPTER 62-777, F.A.C., FDEP, FEBRUARY 2005		
BY: R. JUPIN	**CHECKED BY:** T. Jupin	**DATE:** 10/18/2006

PURPOSE: To calculate an alternative soil cleanup level for consturction workers exposed to soil.

RELEVANT EQUATIONS:

$$SCTL = \frac{THI \times BW \times AT}{EF \times ED \times FC \times [Intake_{Ing} + Intake_{Der} + Intake_{Inh}]}$$

$$Intake_{Ing} = 1/RfDo \times IRo \times 10^{-6}\ kg/mg$$

$$Intake_{Der} = 1/RfDd \times SA \times AF \times DA \times 10^{-6}\ kg/mg$$

$$Intake_{Inh} = 1/RfDi \times IRi \times (1/VF + 1/PEF)$$

Where:

Chemical	=	Arsenic	
SCTL	=		Soil Cleanup Target Level (mg/kg)
THI	=	1	Target Hazard Index (unitless)
BW	=	70	Body weight (kg)
AT	=	365	Averaging time (days)
EF	=	250	Exposure frequency (days/year)
ED	=	1	Exposure duration (years)
FC	=	1	Fraction from contaminated source (unitless)
IRo	=	330	Ingestion rate, oral (mg/day)
SA	=	3300	Surface area of skin exposed (cm^2/day)
AF	=	0.3	Adherence factor (mg/cm^2)
DA	=	0.03	Dermal absorption (unitless)
IRi	=	20	Inhalation rate (m^3/day)
VF	=	1.00E+99	Volatilization factor (m^3/kg)
PEF	=	2.43E+06	Particulate emission factor (m^3/kg)
RfDo	=	3.0E-04	Oral reference dose (mg/kg/day)
RfDd	=	3.0E-04	Dermal reference dose (mg/kg/day)
RfDi	=	3.0E-04	Inhalation reference dose (mg/kg/day)

CLIENT: NAVAL AIR STATION, PENSACOLA		**JOB NUMBER:** 4821
SUBJECT: CALCULATION OF ALTERNATE SOIL CLEANUP TARGET LEVELS (SCTLS) FOR NONCARCINOGENS - CONSTRUCTION WORKERS		
BASED ON: TECHNICAL REPORT: DEVELOPMENT OF SOIL CLEANUP TARGET LEVELS FOR CHAPTER 62-777, F.A.C., FDEP, FEBRUARY 2005		
BY: R. JUPIN	**CHECKED BY:** T. Jupin	**DATE:** 10/18/2006

EXAMPLE CALCULATION

$Intake_{Ing}$ = 1/3.0E-04 mg/kg-day x 330 mg/day x 1E-06 kg/mg

$Intake_{Ing}$ = 1.10E+00 kg-kg/mg

$Intake_{Der}$ = 1/3.0E-04 mg/kg-day x 3300 cm2/day x 0.3 mg/cm2 x 0.03 x 1E-06 kg/mg

$Intake_{Der}$ = 9.90E-02 kg-kg/mg

$Intake_{Inh}$ = 1/3.0E-04 mg/kg-day x 20 m3/day x (1/1.00E+99 m3/kg + 1/2.43E+06 m3/kg)

$Intake_{Inh}$ = 2.74E-02 kg-kg/mg

$$SCTL = \frac{1 \times 70 \text{ kg} \times 365 \text{ days}}{250 \text{ days/yr} \times 1 \text{ yrs} \times 1 \times [1.10E+00 \text{ kg-kg/mg} + 9.90E-02 \text{ kg-kg/mg} + 2.74E-02 \text{ kg-kg/mg}]}$$

SCTL = 8.33E+01 mg/kg ✓

STATE AND FEDERAL THREATENED, ENDANGERED, AND OTHER SPECIES OF CONCERN
LIKELY TO OCCUR IN ESCAMBIA COUNTY FLORIDA
Compiled by U.S. Fish and Wildlife Service April 2007

Common Name	Scientific Name	Status State	Status FWS	Natural Communities
FISH:				
Gulf sturgeon	*Acipenser oxyrinchus desotoi*	SSC	T CH	ESTUARINE: various MARINE: various habitats RIVERINE: alluvial and blackwater streams
Crystal darter	*Ammocrypta asprella*	T	ce	RIVERINE: alluvial stream
Harlequin darter	*Etheostoma histrio*	SSC		RIVERINE: alluvial stream
Saltmarsh topminnow	*Fundulus jenkinsi*	SSC		ESTUARINE: estuarine tidal marsh
Bluenose shiner	*Pteronotropis welaka*	SSC		RIVERINE: blackwater, alluvial, and spring-run streams
AMPHIBIANS & REPTILES:				
Loggerhead turtle	*Caretta caretta*	T	T	TERRESTRIAL: sandy beaches; nesting
Green turtle	*Chelonia mydas*	E	E	TERRESTRIAL: sandy beaches; nesting
Leatherback turtle	*Dermochelys coriacea*	E	E	TERRESTRIAL: sandy beaches; nesting
Eastern indigo snake	*Drymarchon corais couperi*	T	T	ESTUARINE: tidal swamp PALUSTRINE: hydric hammock, wet flatwoods TERRESTRIAL: mesic flatwoods, upland pine forest, sandhills, scrub, scrubby flatwoods, rockland hammock, ruderal
Hawksbill turtle	*Eretmochelys imbricata imbricata*	E	E	MARINE: open water; no nesting
Gopher tortoise	*Gopherus polyphemus*	SSC	ce	TERRESTRIAL: sandhills, scrub, scrubby flatwoods, xeric hammocks, coastal strand, ruderal
Pine barrens treefrog	*Hyla andersonii*	SSC		PALUSTRINE: seepage slope, baygall RIVERINE: seepage stream
Kemp's Ridley turtle	*Lepidochelys kempii*	E	E	TERRESTRIAL: sandy beaches; nesting
Alligator snapping turtle	*Macroclemys temminckii*	SSC	ce	ESTUARINE: tidal marsh LACUSTRINE: river floodplain lake, swamp lake RIVERINE: alluvial stream, blackwater stream
Gulf salt marsh snake	*Nerodia clarkii clarkii*		ce	ESTUARINE: tidal marsh, tidal swamp MARINE: tidal marsh, tidal swamp
Florida pine snake	*Pituophis melanoleucus mugitus*	SSC	ce	LACUSTRINE: ruderal, sandhill upland lake TERRESTRIAL: sandhill, scrubby flatwoods, xeric hammock, ruderal
BIRDS:				
Bachman's sparrow	*Aimophila aestivalis*		ce	TERRESTRIAL: various, ruderal
Southeastern snowy plover	*Charadrius alexandrinus tenuirostris*	T	ce	ESTUARINE: exposed unconsolidated substrate MARINE: exposed unconsolidated substrate TERRESTRIAL: dunes, sandy beaches, and inlet areas

E=endangered, T=threatened, P=proposed, C=candidate, s/a=similar appearance, SSC=species of special concern, ce=consideration encouraged, CH=Critical Habitat

This is not an exhaustive list of where species do occur, but a guide to indicate areas that might require surveys if appropriate habitat exists. Please contact Florida Natural Areas Inventory (850-224-8207) for additional species location information.

STATE AND FEDERAL THREATENED, ENDANGERED, AND OTHER SPECIES OF CONCERN
LIKELY TO OCCUR IN ESCAMBIA COUNTY FLORIDA
Compiled by U.S. Fish and Wildlife Service April 2007

Common Name	Scientific Name	Status State	Status FWS	Natural Communities
Piping plover	*Charadrius melodus*	T	T CH	ESTUARINE: exposed unconsolidated substrate MARINE: exposed unconsolidated substrate TERRESTRIAL: dunes, sandy beaches, and inlet areas. Mostly wintering and migrants.
Stoddard's yellow-throated warbler	*Dendroica dominica stoddardi*		ce	TERRESTRIAL: wooded habitats with spanish moss, various
Little blue heron	*Egretta caerulea*	SSC		ESTUARINE: marshes, shoreline PALUSTRINE: floodplains, swamps RIVERINE: shoreline
Snowy egret	*Egretta thula*	SSC		ESTUARINE: marshes, tidal swamps, shoreline LACUSTRINE: lake edges PALUSTRINE: swamp, floodplain, ruderal RIVERINE: shoreline
Tricolored heron	*Egretta tricolor*	SSC		ESTUARINE: marshes, tidal swamps, shoreline LACUSTRINE: lake edges PALUSTRINE: swamp, floodplain, ruderal RIVERINE: shoreline
Arctic peregrine falcon	*Falco peregrinus tundrius*	E	ce	ESTUARINE: winters along coasts LACUSTRINE: various PALUSTRINE: various TERRESTRIAL: various, ruderal
Southeastern kestrel	*Falco sparverius paulus*	T	ce	ESTUARINE: various habitats PALUSTRINE: various habitats TERRESTRIAL: open pine forests, clearings, ruderal, various
American oystercatcher	*Haematopus palliatus*	SSC		ESTUARINE: exposed unconsolidated substrate, exposed mollusk reef MARINE: exposed unconsolidated substrate, exposed mollusk reef TERRESTRIAL: beaches, ruderal areas
Bald eagle	*Haliaeetus leucocephalus*	T	T	ESTUARINE: marsh edges, tidal swamp, open water LACUSTRINE: swamp lakes, edges PALUSTRINE: swamp, floodplain RIVERINE: shoreline, open water TERRESTRIAL: pine and hardwood forests, clearings
Wood stork	*Mycteria americana*	E	E	ESTUARINE: marshes LACUSTRINE: floodplain lakes, marshes (feeding), various PALUSTRINE: marshes, swamps, various
Brown pelican	*Pelecanus occidentalis*	SSC		ESTUARINE: islands for nesting, open water MARINE: open water
Red-cockaded woodpecker	*Picoides borealis*	SSC	E	TERRESTRIAL: mature pine forests

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LIKELY TO OCCUR IN ESCAMBIA COUNTY FLORIDA
Compiled by U.S. Fish and Wildlife Service April 2007

Common Name	Scientific Name	Status State	Status FWS	Natural Communities
Black Skimmer	*Rynchops niger*	SSC		ESTUARINE: various LACUSTRINE: various RIVERINE: various TERRESTRIAL: ocean beaches, beach dune, ruderal. Nests common on rooftops.
Least tern	*Sterna antillarum*	T		ESTUARINE: various LACUSTRINE: various RIVERINE: various TERRESTRIAL: beach dune, ruderal. Nests common on rooftops.
MAMMALS:				
Santa Rosa beach mouse	*Peromyscus polionotus leucocephalus*		ce	TERRESTRIAL: beach dune, coastal scrub
Perdido Key beach mouse	*Peromyscus polionotus trissyllepsis*	E	E CH	TERRESTRIAL: beach dune, coastal scrub. Sites: Perdido Key State Rec. Area (CH), Gulf Islands National Seashore (CH).
Southeastern big-eared bat	*Plecotus rafinesquii*		ce	PALUSTRINE: various, floodplains TERRESTRIAL: pine and hardwood forests, ruderal, various
Eastern chipmunk	*Tamias striatus*	SSC		TERRESTRIAL: slope forest, upland hardwood forest, upland pine forest
West Indian manatee	*Trichechus manatus latirostris*	E	E	ESTUARINE: submerged vegetation, open water MARINE: open water, submerged vegetation RIVERINE: alluvial stream, blackwater stream, spring-run stream
Florida black bear	*Ursus americanus floridanus*	T	ce	PALUSTRINE: titi swamps, floodplains TERRESTRIAL: pine and hardwood forests
INVERTEBRATES:				
Narrow pigtoe	*Fusconaia escambia*		C (E)	Riverine: small to medium-sized creeks and rivers with slow to moderate current over gravel, and gravel mixed with sand or some silt. Endemic to the Escambia and Yellow River drainages of Alabama and Florida
Round ebonyshell	*Fusconaia rotulata*		C (E)	Riverine: Endemic and restricted to the main channel of the Conecuh River AL, and Escambia River, FL
Fuzzy pigtoe	*Pleurobema strodeanum*		C (E)	Riverine: small to medium-sized creeks and rivers with slow to moderate currents in sand and sand with some silt. Endemic to the Escambia, Yellow, and Choctawhatchee River drainages of Alabama and Florida.
Choctaw bean	*Villosa choctawensis*		C (E)	Riverine: Small to large creeks and rivers with moderate current over sand to silty-sand substrates. Endemic to the Escambia, Yellow, and Choctawhatchee River drainages of Alabama and Florida.

E=endangered, T=threatened, P=proposed, C=candidate, s/a=similar appearance, SSC=species of special concern, ce=consideration encouraged, CH=Critical Habitat

This is not an exhaustive list of where species do occur, but a guide to indicate areas that might require surveys if appropriate habitat exists. Please contact Florida Natural Areas Inventory (850-224-8207) for additional species location information.

STATE AND FEDERAL THREATENED, ENDANGERED, AND OTHER SPECIES OF CONCERN
LIKELY TO OCCUR IN ESCAMBIA COUNTY FLORIDA
Compiled by U.S. Fish and Wildlife Service April 2007

Common Name	Scientific Name	Status State	Status FWS	Natural Communities
Downy rainbow (mussel)	*Villosa villosa*		ce	RIVERINE: small streams to large rivers in sand or muddy sand substrates (Panhandle watersheds: Apalachicola, Chipola, Escambia, Choctawhatchee, Ochlockonee, Suwannee)
PLANTS:				
Aster	*Aster hemisphericus*	E	ce	TERRESTRIAL: upland mixed forest, on sandstone outcrop
Buckthorn	*Bumelia thornei*	E	ce	PALUSTRINE: hydric hammock, floodplain swamp
Curtiss' sandgrass	*Calamovilfa curtissii*	T	ce	PALUSTRINE: mesic and wet flatwoods, wet prairie, depression marsh TERRESTRIAL: mesic flatwoods
Sweet shrub	*Calycanthus floridus*	E		TERRESTRIAL: upland hardwood forest, slope forest, bluffs PALUSTRINE: bottomland forest, stream banks, floodplains
Baltzell's sedge	*Carex baltzellii*	T	ce	TERRESTRIAL: slope forest, moist sandy loam; moist sandy loam
Cruise's golden-aster	*Chrysopsis gossypina cruiseana*	E	ce	TERRESTRIAL: coastal dunes, coastal strand, coastal grassland; openings and blowouts
Spoon-leaved sundew	*Drosera intermedia*	T		LACUSTRINE: sinkhole lake edges PALUSTRINE: seepage slope, wet flatwoods, depression marsh RIVERINE: seepage stream banks, drainage ditches
Trailing arbutus	*Epigaea repens*	E		TERRESTRIAL: bluff, slope forest, mixed hardwood forest
Heartleaf	*Hexastylis arifolia*	T		RIVERINE: seepage stream bank TERRESTRIAL: slope forest
Florida anise	*Illicium floridanum*	T		PALUSTRINE: floodplain forest, baygall RIVERINE: seepage stream bank TERRESTRIAL: slope forest, seepage slope
Mountain laurel	*Kalmia latifolia*	T		RIVERINE: seepage stream bank TERRESTRIAL: slope forest, seepage stream banks
Southern red lily	*Lilium catesbaei*	T		PALUSTRINE: wet prairie, wet flatwoods, seepage slope TERRESTRIAL: mesic flatwoods, seepage slope; usually with grasses
Panhandle lily	*Lilium iridollae*	E	ce	PALUSTRINE: baygall, dome swamp edges, mucky soil, seepage slope, edges of titi bogs, RIVERINE: blackwater stream banks
Gulf coast lupine	*Lupinus westianus*	T	ce	TERRESTRIAL: beach dune, scrub, disturbed areas, roadsides, blowouts in dunes

E=endangered, T=threatened, P=proposed, C=candidate, s/a=similar appearance, SSC=species of special concern, ce=consideration encouraged, CH=Critical Habitat

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STATE AND FEDERAL THREATENED, ENDANGERED, AND OTHER SPECIES OF CONCERN
LIKELY TO OCCUR IN ESCAMBIA COUNTY FLORIDA
Compiled by U.S. Fish and Wildlife Service April 2007

Common Name	Scientific Name	Status State	Status FWS	Natural Communities
Hummingbird flower	*Macranthera flammea*	E		PALUSTRINE: seepage slope, dome swamp edges, floodplain swamps RIVERINE: seepage stream banks TERRESTRIAL: seepage slopes
Chapman's butterwort	*Pinguicula planifolia*	T	ce	PALUSTRINE: wet flatwoods, seepage slopes, bog, dome swamp, ditches; in water
Primrose-flower butterwort	*Pinguicula primulifolia*	E		PALUSTRINE: bogs, pond margins, margins of spring runs
Yellow fringed orchid	*Platanthera ciliaris*	T		PALUSTRINE: bogs, wet flatwoods TERRESTRIAL: Bluff
Yellow fringeless orchid	*Platanthera integra*	E	ce	PALUSTRINE: wet prairie, seepage slope TERRESTRIAL: mesic flatwoods
Large-leaved jointweed	*Polygonella macrophylla*	T	ce	TERRESTRIAL: scrub, sand pine/oak scrub ridges
Florida pondweed	*Potamogeton floridanus*		ce	RIVERINE: blackwater stream
Orange azalea	*Rhododendron austrinum*	E		PALUSTRINE: bottomland forest RIVERINE: seepage stream bank TERRESTRIAL: slope forest, upland mixed forest
White-top pitcher plant	*Sarracenia leucophylla*	E	ce	PALUSTRINE: wet prairie, seepage slope, baygall edges, ditches
Parrot pitcher plant	*Sarracenia psittacina*	T		PALUSTRINE: wet flatwoods, wet prairie, seepage slope
Decumbant pitcher plant	*Sarracenia purpurea*	T		PALUSTRINE: Bogs
Red-flowered pitcher plant	*Sarracenia rubra*	T		PALUSTRINE: bog, wet prairie, seepage slope, wet flatwoods RIVERINE: seepage stream banks
Silky camellia	*Stewartia malacodendron*	E		PALUSTRINE: baygall PALUSTRINE: slope forest, upland mixed forest, TERRESTRIAL: slope forest, upland mixed forest; acid soils
Drummond's yellow-eyed grass	*Xyris drummondii*		ce	PALUSTRINE: wet flatwoods, bog, seepage slopes, ditches
Harper's yellow-eyed grass	*Xyris scabrifolia*	T	ce	PALUSTRINE: seepage slope, wet prairie, bogs

E=endangered, T=threatened, P=proposed, C=candidate, s/a=similar appearance, SSC=species of special concern, ce=consideration encouraged, CH=Critical Habitat

This is not an exhaustive list of where species do occur, but a guide to indicate areas that might require surveys if appropriate habitat exists. Please contact Florida Natural Areas Inventory (850-224-8207) for additional species location information.

APPENDIX B

SOIL BORING LOGS

Tetra Tech NUS, Inc.

BORING LOG

Page 1 of 3

PROJECT NAME: S.t. 4 RI
PROJECT NUMBER: 112G02385
DRILLING COMPANY: Boart Longyear
DRILLING RIG: Failure Rig
BORING NUMBER: MW37
DATE: 6-4-07
GEOLOGIST: C. Odum
DRILLER: Mark Nelson

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
	0								hand auger				
						brn	clayey silty sand						
						lt brn	silty sand			0.0			
	5												
	10												
						red brn	silty sand						
	15						silty sandy clay						
	16		6/10			red brn	silty sand			0.0		0.0	
	20				red brn		clayey silty sand						
										0.0			
	23				yellow brn		silty sand						
	25												

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm):

Remarks:

Converted to Well: Yes Y No Well I.D. #: MW37

Located near Hangar 807 by Trailer

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: Savfly S.F. 4 RI
PROJECT NUMBER: 112G02389
DRILLING COMPANY: Boart Longyear
DRILLING RIG:
BORING NUMBER: MW37
DATE:
GEOLOGIST:
DRILLER:

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
	26		10/10		yellow brown		silty sand			0.0			
	30				yellow brown		silty sand			0.0			
					white		silty sand						
	35												
	36		0/0		white		silty sand			0.0		0.0	
	40				yellow brown		silty sand w/some clay			0.0			
	45				yellow brown		silty sand (sat)			0.0			
	46				yellow brown				clay content increasing				

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm):

Remarks:

Converted to Well: Yes ____ No ____ Well I.D. #:

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME:
PROJECT NUMBER:
DRILLING COMPANY:
DRILLING RIG:

BORING NUMBER: MW37
DATE:
GEOLOGIST:
DRILLER:

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm) Sample	Sampler BZ	Borehole**	Driller BZ**
80							yellow org mottled silty sandy clay			0.0			
54					yellow orange mottled / yellow orange		silty sandy clay / mottled / silty sandy clay			0.0			
60					red		red clay			0.0		0.0	
64							silty sand			0.0		0.0	

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Remarks:

Drilling Area Background (ppm):

Converted to Well: Yes ____ No ____ Well I.D. #:

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: Saltly Site 4 RI
PROJECT NUMBER: 112G00385
DRILLING COMPANY: Boart Longyear
DRILLING RIG: Roto-Sonic
BORING NUMBER: MW38
DATE: 6-4-07
GEOLOGIST: [illegible]
DRILLER: Mark Metzler

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
	0		8/10		yellow orange	[illegible]	silty sand						
					yellow brown rock		silty sand						
	2				brown		clayey silty sand						
	5									0.0			
	10												
	15		10/10			brown	clayey silty sand			0.0			
	16												
	20												
	21				4" rd		silty sand						
	25				brown		silty sand						

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): [ ]

Remarks:

Converted to Well: Yes X No ____ Well I.D. #: ____

Between Walnut Post Street and Sprague Ave

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: _____ BORING NUMBER: MW-38

PROJECT NUMBER: _____ DATE: _____

DRILLING COMPANY: _____ GEOLOGIST: _____

DRILLING RIG: _____ DRILLER: _____

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	MATERIAL DESCRIPTION: Color	MATERIAL DESCRIPTION: Material Classification	USCS*	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
					red brn		silty sand						
			10/20		yellowish		silty fine sand			0.0		0.0	
					white		silty fine sand						
					white		silty fine sand						
					white		silty fine sand			0.0			
					white		silty fine sand						
					white		silty fine sand						

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): ____

Remarks: _____

Converted to Well: Yes _____ No _____ Well I.D. #: _____

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: _____ BORING NUMBER: MW38
PROJECT NUMBER: _____ DATE: _____
DRILLING COMPANY: _____ GEOLOGIST: _____
DRILLING RIG: _____ DRILLER: _____

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
55													
54					Loose		silty fine sand			00		00	
					Med dense		clayey silty fine sand						
60													
61					Med dense		clayey silty fine sand						
							gray, multicolored						
							clayey silty fine sand						
66							gray-multicolored			00		00	
							silty fine sand		TD				

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): ____

Remarks: _____

Converted to Well: Yes _____ No _____ Well I.D. #: _____

Tetra Tech NUS, Inc.

BORING LOG

Page 1 of ___

PROJECT NAME: Sanford S.t.p. RI
PROJECT NUMBER: 112G00389
DRILLING COMPANY: Bay State Drilling
DRILLING RIG: Roto Sonic
BORING NUMBER: MW39
DATE: 6-5-07
GEOLOGIST: E. Ogden
DRILLER: Mark McFarlane

Sample No. and Type or RQD	Depth (FL) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/FL) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS*	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
					red brn		clayey silty fine sand						
					red brn		clayey silty fine sand			0.0			
					red brn		clayey silty fine sand		red brick color				
					red brn		clayey silty fine sand						
			10/10		yell brn		silty fine sand			0.0		0.0	
					ltbrn		silty clayey fine sand						
					ltbrn		silt, clay, some fine sand						
					tan mottled		silty fine sand						
					red brn		clayey silty fine sand						

* When rock coring, enter rock brokeness.
** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): ____

Remarks: 10 ft samples located @ intersection of Varney & Sprague Ave

Converted to Well: Yes ✓ No ____ Well I.D. #: MW39

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME:
PROJECT NUMBER:
DRILLING COMPANY:
DRILLING RIG:

BORING NUMBER: MW39
DATE: 6-5-07
GEOLOGIST:
DRILLER:

Depth (margin)	Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm) Sample	Sampler BZ	Borehole**	Driller BZ**
26				10/10		yell brn		clayey silty fine sand						
											0.0		0.0	
						lt gry		clayey silty fine sand						
						gray tan		clayey silty fine sand						
30														
						gray tan w/		clayey silt fine sand						
						white pink		silty fine sand						
35														
36				10/10		white pink		silty fine sand						
40														
						white pink		silty fine sand						
45														
46				10/10		yell gray		silty fine sand			0.0		0.0	
						red brn		sandy clay						
						lt yellow		[illegible] silty sand		laminated				
50														

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Remarks:

Drilling Area Background (ppm):

Converted to Well: Yes ✓ No ____ Well I.D. #:

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: _____ BORING NUMBER: MW39
PROJECT NUMBER: _____ DATE: 6-5-07
DRILLING COMPANY: _____ GEOLOGIST: _____
DRILLING RIG: _____ DRILLER: _____

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
									saturated				
									↓				
SS SC			10/10		[illegible]		silty fine sand TD with set well @ 55'		saturated				

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): ____

Remarks: _____

Converted to Well: Yes _____ No _____ Well I.D. #: _____

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: Saufley Site 4 RI
PROJECT NUMBER: 112G00389
DRILLING COMPANY: Boart Longyear
DRILLING RIG: 10 ft Geoprobe Rig
BORING NUMBER: MW40
DATE: 6-5-02
GEOLOGIST: C. Odom
DRILLER: Mark McLean

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS*	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
	0				root bri		clayey silty fine sand		brick red				
	5												
	10												
	15												
	16		18/18		root bri		clayey silty fine sand		brick red	00		00	
	20				root bri		clayey silty fine sand		brick red				
					phi. br		silty fine sand						
					"		" "						
					clayey		clayey silty fine sand						
					"		" "						
	25				"		"						

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm):

Remarks: located between bldg 808 & [illegible] flagpole

Converted to Well: Yes ✓ No _____ Well I.D. #: _____

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: _____ BORING NUMBER: MW40
PROJECT NUMBER: _____ DATE: 6-5-07
DRILLING COMPANY: _____ GEOLOGIST: E. Squier
DRILLING RIG: _____ DRILLER: Mark McLea

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS*	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
	25		7/10		orange		silty clay, fine sand						
					tan		fine sand			0.0		0.0	
					tan		fine sand						
	30				light pink		silty fine sand						
										0.0			
					white		fine sand						
	35												
	36		10/10		white & light pink		fine sand fine sand			0.0		0.0	
					"		fine sand						
	40				orange		sandy silty clay			0.0		0	
	45												
	46		10/10		orange		sandy silty clay			0.0		0.0	
					white orange		clayey silty sand sandy silty clay			0.0			

* When rock coring, enter rock brokeness.
** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): ____

Remarks: _____

Converted to Well: Yes _____ No _____ Well I.D. #: _____

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: _____ BORING NUMBER: _____
PROJECT NUMBER: _____ DATE: _____
DRILLING COMPANY: _____ GEOLOGIST: _____
DRILLING RIG: _____ DRILLER: _____

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
50					tan brown		clayey silty sand		mottled				
					brown		silty sandy clay						
55													
58			4/10		orange		clayey silty sandy clay		tube	0.0		0.0	
					tan brown		clayey silty sand		saturated				
60					tan brown		clayey silty sand			0.0			
							fine silty sand		micaceous				
65					tan		fine silty sand		micaceous				
68			10/10		tan		fine silty sand		micaceous	0.0		0.0	
							TD						

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): ____

Remarks: _____

Converted to Well: Yes _____ No _____ Well I.D. #: _____

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: Sawtelle Fieldstone RI
PROJECT NUMBER: 112G0P0389
DRILLING COMPANY: Boart Longyear
DRILLING RIG: Roto sonic SR

BORING NUMBER: MW41
DATE: 6-5-07
GEOLOGIST: C. Odin
DRILLER: Mark McLean

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS*	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
					lt brn		silty fine sand						
					lt brn		silty fine sand						
					red brn		clayey silty sand		brick red				
					red lgt brn		clayey silty sand		light red				
					red brn		silty fine sand	CL					
					red brn		silty fine sand	CL					
							clayey silty fine sand		brick red				
					red brown		silty fine sand		light brown orange				
					red brown		silty fine sand		light red orange	0.0		0.0	

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Remarks: located between firehouse & light pole

Drilling Area Background (ppm):

Converted to Well: Yes _____ No _____ Well I.D. #: _____

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: _____ BORING NUMBER: MW41
PROJECT NUMBER: _____ DATE: _____
DRILLING COMPANY: _____ GEOLOGIST: _____
DRILLING RIG: _____ DRILLER: _____

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ*	Borehole**	Driller BZ**
	25			5/10		red orange	silty fine sand		light red orange	00		00	
							fine sand						
	30						fine silty sand						
							silty fine sand		lt red orange				
	35						silty fine sand		lt red orange				
	36			10/10			silty fine sand		lt red orange	00		00	
	40						"		"				
							"		"				
							silty fine sand		lt red orange				
							clayey silty sand		laminated				
	45												
	46			10/10			clayey silty sand		laminated	00		00	
							"		"				
									saturated				
	50												

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): ____

Remarks: _____

Converted to Well: Yes ____ No ____ Well I.D. #: _____

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: ______ BORING NUMBER: MW41
PROJECT NUMBER: ______ DATE: ______
DRILLING COMPANY: ______ GEOLOGIST: ______
DRILLING RIG: ______ DRILLER: ______

Depth mark	Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm) Sample	Sampler BZ	Borehole**	Driller BZ**
50														
55														
56				9/10		tan/dk gray / tan/red orange		clayey silty sand / silty fine sand		saturated	00		00	
60														
						tan orange / tan gray		clay silty fine sand / clay		saturated/mottled				
64														
65														
66						tan orange		clay TD@67						

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Remarks: ______

Drilling Area Background (ppm): ______

Converted to Well: Yes ______ No ______ Well I.D. #: ______

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: site 4 RI
PROJECT NUMBER: 112G00389
DRILLING COMPANY: Boart Longyear
DRILLING RIG: Reto-Sonic

BORING NUMBER: MW47
DATE: 6-6-07
GEOLOGIST: C. Solan
DRILLER: Mark McLean

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
					tan		clayey silty sand						
					tan		clayey silty sand						
					red brn		clayey silty sand		brick red				
										0.0			
			8/10		red brn		clayey silty sand		brick red	0.0		0.0	
					red brn		silty sand						

0
5
6
10
15
16
20
25

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): ____

Remarks: located behind bldg 810 E w fenced grassed area

Converted to Well: Yes _____ No _____ Well I.D. #: _____

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: _____ BORING NUMBER: MW 42
PROJECT NUMBER: _____ DATE: 6-6-07
DRILLING COMPANY: _____ GEOLOGIST: _____
DRILLING RIG: _____ DRILLER: _____

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	MATERIAL DESCRIPTION: Color	MATERIAL DESCRIPTION: Material Classification	USCS*	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
25													
26			5/10		soft		silty sand			0.0		0.0	
					soft		silty sand						
					Pw soft		clayey silty sand						
30										0.0			
35													
36			10/10		Pw soft		clayey silty sand			0.0		0.0	
40													
					pw soft		clayey silty sand			0.0			
					firm/ hard		silty sand						
					soft		clayey silty sand						
45													
46			10/10		soft		silty sand TD			0.0		0.0	
50													

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): [ ]

Remarks: _____

Converted to Well: Yes _____ No _____ Well I.D. #: _____

Tetra Tech NUS, Inc.

BORING LOG

Page 1 of ___

PROJECT NAME: site 4 KI
PROJECT NUMBER: 112G0388
DRILLING COMPANY: Boart Longyear
DRILLING RIG: Rotosonic

BORING NUMBER: MW43
DATE: 6-6-07
GEOLOGIST: [illegible]
DRILLER: Mark McLean

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ'	Borehole**	Driller BZ**
	0												
	5				brown		silty sand						
	6												
					red brn		clayey silty sand		brick				
	10									00		0.0	
	15												
	16		4/4		red brn		clayey silty sand		brick M	00		0.0	
							no sample recovery						
	20				Heaving sand		silty sand						
					Heaving sand		silty sand						
	25												

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): ____

Remarks: located just west at intersection of Spruce Ave + Bunker St. Across road from SID.

Converted to Well: Yes _____ No _____ Well I.D. #: _____

Tetra Tech NUS, Inc.

BORING LOG

Page ___ of ___

PROJECT NAME: _____ BORING NUMBER: _____
PROJECT NUMBER: _____ DATE: _____
DRILLING COMPANY: _____ GEOLOGIST: _____
DRILLING RIG: _____ DRILLER: _____

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
25													
26			8/10		fcsd stn		silty sand			0.0		0.0	
30					fcsd		silty sand						
35													
36			7/10		fcsd		f-c sandy silty			0.0		0.0	
					fcsd pale		silty clayey sand						
					fcsd pale brown		silty clayey sand						
40					fcsd brown		silty clayey sand						
					lt sdy R		silty sand						
45													
46					lt sdy		silty sand			0.0		0.0	
			4/5		lt sdy		sand & water		ID 51				

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): [ ]

Remarks: _____

Converted to Well: Yes _____ No _____ Well I.D. #: _____

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: Site 4 RI
PROJECT NUMBER: 112G00389
DRILLING COMPANY: Boart Longyear
DRILLING RIG: Rotosonic Rig

BORING NUMBER: MW-46
DATE: 6-6-07
GEOLOGIST: C. Odom
DRILLER: Mark Molea

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
					tan		silty sand						
					red		silty clayey sand		brick red				
										20			
					red brn		silty clayey sand		brick red				
			10/10		tan orange		silty sand			20		20	

0 5 10 15 16 20 25

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals of borehole. Increase reading frequency if elevated reponse read.

Remarks: Located NNE of bldg 826 in Basin 5A

Drilling Area Background (ppm):

Converted to Well: Yes ✓ No _____ Well I.D. #: _____

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: _____ BORING NUMBER: MW44

PROJECT NUMBER: _____ DATE: 6-6-07

DRILLING COMPANY: _____ GEOLOGIST: _____

DRILLING RIG: _____ DRILLER: _____

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	MATERIAL DESCRIPTION: Color	MATERIAL DESCRIPTION: Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
25													
26			7/10		lt orange		silty sand						
					brown								
					lt gry		silty clayey sand						
30													
35													
36			7/10		brn lt gry		fine sand						
					lt orange		silty clayey sand						
40													
					brown		silty clayey sand						
					lt gry		fine silty sand						
45													
46			10/10		lt gry		fine silty sand						
50					lt gry		fine silty sand						

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): ____

Remarks: _____

Converted to Well: Yes _____ No _____ Well I.D. #: _____

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: _____ BORING NUMBER: MW 49

PROJECT NUMBER: _____ DATE: 6-6-07

DRILLING COMPANY: _____ GEOLOGIST: _____

DRILLING RIG: _____ DRILLER: _____

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
50					Hard		fine silty sand						
55													
56					Hard		fine silty sand			2.0		2.0	

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): ☐

Remarks: _____

Converted to Well: Yes _____ No _____ Well I.D. #: _____

Tetra Tech NUS, Inc.

BORING LOG

Page 1 of 3

PROJECT NAME: Seneca Field Site 4 RI
PROJECT NUMBER: 112G00388
DRILLING COMPANY: Boart Longyear
DRILLING RIG: Roto-Sonic
BORING NUMBER: ~~SB45~~ MW45
DATE: 6-7-04
GEOLOGIST: C. Oakley
DRILLER: Mark McLean

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
	0												
	5												
					trace		silty sand						
					trace		silty sand			20			
					mixed		silty clayey sand		bricks red				
	10												
	15												
				12/10									
					last sec		silty clayey sand		bricks red	20		20	
					last two		silty clayey sand		bricks red				
	20				mostly		silty sand		white, angular				
	25												

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): [ ]

Remarks: Located in parking lot at bridge

Converted to Well: Yes _____ No _____ Well I.D. #: _____

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: _____ BORING NUMBER: _____
PROJECT NUMBER: _____ DATE: _____
DRILLING COMPANY: _____ GEOLOGIST: _____
DRILLING RIG: _____ DRILLER: _____

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	MATERIAL DESCRIPTION: Color	MATERIAL DESCRIPTION: Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
25													
26			7/10		wt		silty sand		organic/peat	00		00	
							2						
							0						
30							peat						
35													
36					sf		silty sand						
40										00			
										00			
45													
46			10/12		sf		silty sand			00		0.0	
					4.7		silty sand						
50													

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): ☐

Remarks: _____

Converted to Well: Yes _____ No _____ Well I.D. #: _____

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: _____ BORING NUMBER: MW45
PROJECT NUMBER: _____ DATE: 6-7-07
DRILLING COMPANY: _____ GEOLOGIST: _____
DRILLING RIG: _____ DRILLER: _____

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
50													
					loose		silty fine sand		saturated				
							↓						
55					loose		silty fine sand		saturated	0.0		0.0	
56													
60													
61					loose		silty fine sand		saturated	0.0			
							TD wtr @ 61						

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): ____

Remarks: _____

Converted to Well: Yes _____ No _____ Well I.D. #: _____

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: Saufley Field Site 4 RI
PROJECT NUMBER: 112G00389
DRILLING COMPANY: [illegible]
DRILLING RIG: [illegible]

BORING NUMBER: MW46
DATE: 6-7-07
GEOLOGIST: C. [illegible]
DRILLER: [illegible] Ryan

Depth mark	Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Sample	Sampler BZ	Borehole**	Driller BZ**
0														
5 / 6						tn		silty sand						
						tn		silty sand			0.0			
						red brn		clayey silty sand		brick red				
10											0.0			
						red brn		clayey silty sand		brick red				
15						lt orange		silty sand						
16				10/10		lt orange		silty sand			0.0		0.0	
						lt orange		silty sand						
						multi		silty sand		whit, orange, tn				
20														
25						Multi		silty sand		whit, orange, tn				

39
43

* When rock coring, enter rock brokeness.
** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated response read.

Remarks: located between [illegible] buildings & Bldg on Bank St. S of Bldg 826

Drilling Area Background (ppm):

Converted to Well: Yes ______ No ______ Well I.D. #: ______

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: _____ BORING NUMBER: _____
PROJECT NUMBER: _____ DATE: 6-7-04
DRILLING COMPANY: _____ GEOLOGIST: _____
DRILLING RIG: _____ DRILLER: _____

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	MATERIAL DESCRIPTION: Color	MATERIAL DESCRIPTION: Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
15			7/10				silty sand		white clayey	0.0		0.0	
26					loose		sand						
							↓						
20							↓			0.0			
							↓						
							↓						
							↓						
							↓						
					loose		sand						
54			10/10		poorly graded		silty sand			0.0		0.0	
36													
					poorly graded		silty sand			0.0			
100													
					13'6"-13'8"		sandy silty clay						
					last sample		sandy silty clay			0.0			
45													
46			10/10		last sample		sandy silty clay			0.0		0.0	
							↓						
							↓						
							↓						
50					last sample		sandy silty clay			0.0			

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): ☐

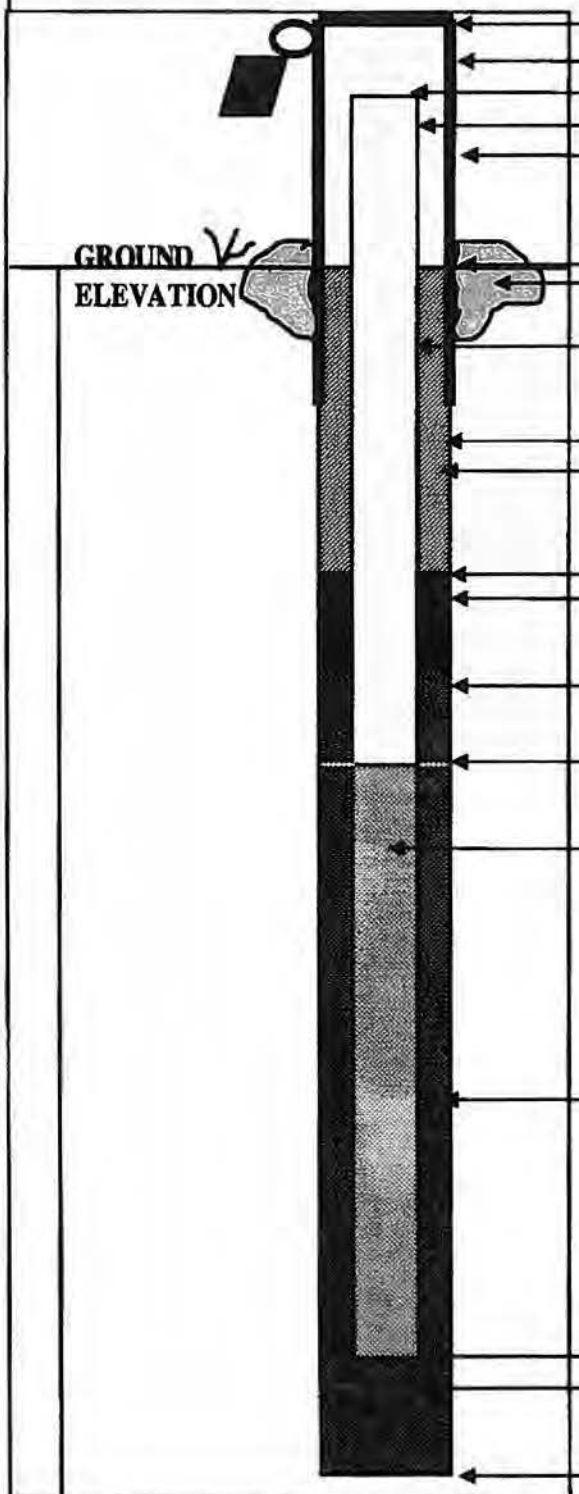
Remarks: _____

Converted to Well: Yes _____ No _____ Well I.D. #: _____

BORING NO.: _____

Tetra Tech NUS, Inc. **OVERBURDEN MONITORING WELL SHEET**

PROJECT:	s.t. 4 Savley	DRILLING Co.:	Boart Longyear	BORING No.:	MW 46
PROJECT No.:	112 G00389	DRILLER:	M. McLean	DATE COMPLETED:	6-7-07
SITE:	4	DRILLING METHOD:	Hydraulic	NORTHING:	
GEOLOGIST:	C. Dacon	DEV. METHOD:		EASTING:	



ELEVATION OF TOP OF SURFACE CASING: _____

STICK -UP TOP OF SURFACE CASING: _____

ELEVATION OF TOP OF RISER PIPE: _____

RISER STICK-UP ABOVE GROUND SURFACE: _____

I.D. OF SURFACE CASING: N/A

TYPE OF SURFACE CASING: N/A

GROUND ELEVATION: _____

TYPE OF SURFACE SEAL: _____

RISER PIPE I.D.: PVC

TYPE OF RISER PIPE: 20'

BOREHOLE DIAMETER: 6.0"

TYPE OF SEAL: grout

ELEVATION / DEPTH OF SEAL: 35'

TYPE OF SEAL: bentonite

ELEVATION / DEPTH TOP OF FILTER PACK: 43'

ELEVATION / DEPTH TOP OF SCREEN: 45.85'

TYPE OF SCREEN: slotted PVC

SLOT SIZE X LENGTH: 10'

I.D. OF SCREEN: 2.0"

TYPE OF FILTER PACK: 20/30 sand

ELEVATION / DEPTH BOTTOM OF SCREEN: -55.85'

ELEVATION / DEPTH BOTTOM OF FILTER PACK: /

TYPE OF BACKFILL BELOW WELL: -55.85

ELEVATION / DEPTH OF BOREHOLE: /

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: Saufley Site 4
PROJECT NUMBER: 112G00389
DRILLING COMPANY: ProSonic
DRILLING RIG: Sonic

BORING No.: OLFS4-MW-01D-2
DATE: 11-29-06
GEOLOGIST: Gary J. Davis
DRILLER: Mark McLean

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
0915									Asphalt surf.				
		N/A			Loose	Brown	silty clayey sand ~10% silt ~20% clay remainder fine sand	SC	Non cond. Post-hole to 5'				
			100%										
	5								Damp	0.0		0.0	
					Loose	Yellowish brown as above							
6-16	10												
						Dark Reddish Brown	silty clayey sand. ~10% clay ~10% silt remainder fine sand	SC	Dry			0	0
	15												
					Loose	Mottled Reddish to yellowish to ~~Dark~~ Gray and otherwise same		SC	Dry				
16-26	20												
	25											0	0

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): 0.0

Remarks:

Converted to Well: Yes ✓ No ____ Well I.D. #: OLFS4-MW01D

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: Saufley Site 4
PROJECT NUMBER: 112G00389
DRILLING COMPANY: ProSonic
DRILLING RIG: Sonic

BORING No.: OLFS4-MW-01D-2
DATE: 11-29-06
GEOLOGIST: Gary J. Davis
DRILLER: Mark McLean

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
							as above	SC	some white sandy clay at bottom				
		NA	100%	Sloughed out of way?									
	30												
1000 26-36				No Recovery									
	35												
			100% Rec				Yellowish to Reddish Brown mottled silty clayey sand ~ 5% clay fine sand	SC					
1015 36-46	40												
	45		~				light tan to white to Reddish to pinkish silty sand w/ trace clay		wet at Bottom				
							tan to yellowish brown mottled silty clayey sand ~ 5% clay	SC	saturated				
	50												

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): 0.0

Remarks:

Converted to Well: Yes ✓ No _____ Well I.D. #: _____

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: Saufley Site 4
PROJECT NUMBER: 112G00389
DRILLING COMPANY: ProSonic
DRILLING RIG: Sonic

BORING No.: DLFS4-MW-01D-2
DATE: 11-29-06
GEOLOGIST: Gary J. Davis
DRILLER: Mark McLean

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS*	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
		NR	60%										
56	55				Loose		Same as above	SC	Saturated			0	0
1020 56-													
66	60							CL	Aquiclude				
			100%		Stiff		Lt gray mottled to Reddish brown silty sandy clay ~60% clay 10% silt remainder fine sand		Damp to Wet				
	65							CL				0	0
	70				Med Stiff		Gray to purplish same as above	CL					
	75							CL					

*When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): 0.0

Remarks:

Converted to Well: Yes ✓ No _____ Well I.D. #: _____

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: Saufley Site 4
PROJECT NUMBER: 112G00389
DRILLING COMPANY: ProSonic
DRILLING RIG: Sonic

BORING No.: OLFS4-MW01D-2
DATE: 11-29-06
GEOLOGIST: Gary J. Davis
DRILLER: Mark McLean

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
				SC									
				SC			Silty clayey sand	SC					
		NA					Yellowish Brown		Saturated				
					Loose to Med		~30% clay 10% silt remainder fine sand						
	80						to ~50% clay		Alternating layers clay rich to clay poor			0	0
1035 76-66					Stiff								
				SC									
	85			SC		Tan	to Lt. pink	SC				0	0
							silty clayey sand ~10% silt ~10% clay						
					Loose to Med Stiff		Yellowish Brown to tan alternates ~5% to 30% clay ~10% silt Remainder fine Sand		Saturated alternating as above				
1045 86 to 1055 96	90											0	0
	95												
							Yellowish Brown	SC	~1' clay layers			0	0
							Same as above except thicker layers silty sandy clay	to CL	Aquiclude?				
1055	100				N		silty sandy clay ~10% silt ~30% sand						

*When rock coring, enter rock brokeness.
** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): 0.0

Remarks:

Converted to Well: Yes ✓ No _____ Well I.D. #: _____

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: Saufley Site 4
PROJECT NUMBER: 112G00389
DRILLING COMPANY: ProSonic
DRILLING RIG: Sonic

BORING No.: OL-FSA-MW-01D-2
DATE: 11-29-06
GEOLOGIST: Gary J. Davis
DRILLER: Mark McLean

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
							Same as above						
96-106			10/9				Yellowish to Reddish Brown - less clay	SC					
		NR					clay varies ~30% to <5%						
1055	105						~10% silt remains fine sand		PID reads ~2.8 off liners	3.8	0	0	0
106-116	110												
								SM					
	115											0	0
										10.1	0		
1115 116-126	120							SC					
												0	0
	125							SC			0		

When rock coring, enter rock brokeness. SM

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

7.7 Drilling Area
Background (ppm): 0.3

Remarks:

Converted to Well: Yes ✓ No _____ Well I.D. #: _____

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: Saufley Site 4
PROJECT NUMBER: 112G00389
DRILLING COMPANY: ProSonic
DRILLING RIG: Sonic

BORING No.: OLFSA-MW-01D-2
DATE: 11-29-06
GEOLOGIST: Gary J. Davis
DRILLER: Mark McLean

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
		NR	100%				Reddish to Pinkish Clayey sandy Silt w 3% clay ~ 20% fine sand remainder silt	SM					
	130			SM									
126-136				SC			Yellowish Brown Silty clayey sand ~ 18% silt ~ 5% clay	SC		3.7	0	0	0
				CL				CL	remainder fine sand				
	135						Yellowish Brown to tan to Lt. Gray Silty Clay. trace silt + fine sand		Aquidude				
136-141					Boulder?			CL					
1145	140												
				SC				SC		5.6	0	0	0
							TD 141 Terminated						
									Setting well at 130' w/ 5' screen				

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): 0.0

Remarks: _____

Converted to Well: Yes ✓ No _____ Well I.D. #: _____

Tetra Tech NUS, Inc.

BORING LOG

Page 1 of 1

PROJECT NAME: Saufley Site 4
PROJECT NUMBER: 112G00389
DRILLING COMPANY: ProSonic
DRILLING RIG: Sonic

BORING No.: DLFS4-MW02D
DATE: 11-29-06
GEOLOGIST: Gary J. Davis
DRILLER: Mark McLean

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	MATERIAL DESCRIPTION: Color	MATERIAL DESCRIPTION: Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
									See Adjacent Boring log of MW-01D2				
		NA	NA										
												0	0
	20												
												0	0
												0	0
	40												
												0	0
												0	0
	60												
												0	0
1550	80											0	0
							Terminated at 80' Setting w/ 5' screen						

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): 0.0

Remarks:

Converted to Well: Yes ✓ No _____ Well I.D. #: _____

Tetra Tech NUS, Inc.

BORING LOG

Page 1 of 1

PROJECT NAME: Saufley Site 4
PROJECT NUMBER: 112G00389
DRILLING COMPANY: ProSonic
DRILLING RIG: Sonic

BORING No.: OLFS4-MW03-S
DATE: 11-30-06
GEOLOGIST: Gary J. Davis
DRILLER: Mark McLean

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	MATERIAL DESCRIPTION: Color	MATERIAL DESCRIPTION: Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
0800									See Adjacent				
NA	NA	NA	NA						Boring Log of				
									MW-02-D2				
	20												
	40												
				~45									
	60												
0850							Terminated at						
							60' setting w						
							20' screen						

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): 0.0

Remarks:

Converted to Well: Yes ✓ No _____ Well I.D. #: _____

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: Saufley Site 4
PROJECT NUMBER: 112G00389
DRILLING COMPANY: ProSonic
DRILLING RIG: Sonic

BORING No.: DLFS4 - MW-04D
DATE: 11-30-06
GEOLOGIST: Gary J. Davis
DRILLER: Mark McLean

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
									Concrete Surf.				
1015									Non-cond. Post Hole to 5'				
		NA					Brown silty clayey Sand						
					Loose		~10% silt ~20% clay remainder fine Sand	SC					
			10%										
	5											0	0
							Lt. Brown to tan silty clayey sand ~10% silt ~5% clay	SC					
									dry				
	10											0	0
6-							Dark reddish brown silty clayey sand ~10% silt ~ 20% clay remainder fine Sand	SC					
16													
	15				Loose							0	0
								SC					
									dry				
1050							Same as above	SC					
16-	20											0	0
							Lt. Brown to reddish brown to white mottled silty sand w/ trace to 5% clay	SC		9.4	0		
26													
	25												

21.1

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): 0.0

Remarks: Hot Plastic liners off gassing?

Converted to Well: Yes ✓ No _____ Well I.D. #: _____

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: Saufley Site 4
PROJECT NUMBER: 112G00389
DRILLING COMPANY: ProSonic
DRILLING RIG: Sonic

BORING No.: OLFS4-MW-04D
DATE: 11-30-06
GEOLOGIST: Gary J. Davis
DRILLER: Mark McLean

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
							As above						
		NR	100%		Loose			SC					
									Dry				
	30												
							Dark Reddish Brown silty clayey sand	SC					
	35									16.8			
										24.3			
							Mottled White to tan to Yellowish to Reddish Brown to pinkish mottled silty sand ~20% silt ~5% clay fine sand	SM		12.1			
	40												
	45				color chg		Yellowish at 45'		wet	13.7	0	0	0
					Loose		Silty clayey Sand ~10% silt ~20% clay remainder fine sand			10.8	0	0	0
	50												

26-36

11/20 36-46

46-56

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): 0.0

Remarks:

Converted to Well: Yes ✓ No _____ Well I.D. #: _____

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: Saufley Site 4
PROJECT NUMBER: 112G00389
DRILLING COMPANY: ProSonic
DRILLING RIG: Sonic

BORING No.: OLFS4-MW-04D
DATE: 11-30-06
GEOLOGIST: Gary J. Davis
DRILLER: Mark McLean

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
		NA	100%		Loose	Yellowish Brown	silty clayey sand as above	SC	Saturated				
	55									78	0	0	0
	60												
							Yellowish to pinkish to tan silty sand w/ trace clay very fine at top to medium grained	SC to SM		12.1	0	0	0
	65												
							Mottled yellowish brown to white silty clayey sand		2-5% clay				
	70				(Silty sandy clay			CL	Upp		0	0	0
					~ 40% silt or 5% fine sand			SC to SM		13.1			
					~ 72-75' clay								
	75				Lt. Gray			CL					

* When rock coring, enter rock brokeness.
** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Remarks:

Drilling Area Background (ppm): 0.0

Converted to Well: Yes ✓ No _____ Well I.D. #: _____

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: Saufley Site 4
PROJECT NUMBER: 112G00389
DRILLING COMPANY: ProSonic
DRILLING RIG: Sonic

BORING No.: OLFS4-MW-04D
DATE: 11-30-06
GEOLOGIST: Gary J. Davis
DRILLER: Mark McLean

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
			100%				White to Lt. tan to Lt. Pink silty sand w/ trace clay	SM		12.9			
	80										0	0	0
							Terminated at 81' setting at 80' w/ 5' screen			20.1			
	85												

T1-
1145 81

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): 0.0

Remarks:

Converted to Well: Yes ✓ No _____ Well I.D. #: _____

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: Saufley Site 4
PROJECT NUMBER: 112G00389
DRILLING COMPANY: ProSonic
DRILLING RIG: Sonic

BORING No.: OLF54-MW-05-S
DATE: 11-30-06
GEOLOGIST: Gary J. Davis
DRILLER: Mark McLean

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	MATERIAL DESCRIPTION: Color	MATERIAL DESCRIPTION: Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
							Not logged. see adjacent		Concrete Surface				
							MW-01-D2 and MW-04-D						
		NA										0	0
	20											0	0
												0	0
	40											0	0
				45									
												0	0
							Terminated at 55'						
	60						setting w/ 15' screen						

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): 0.0

Remarks:

Converted to Well: Yes ✓ No _____ Well I.D. #: _____

Tetra Tech NUS, Inc.

BORING LOG

Page 1 of 1

PROJECT NAME: Saufley Site 4
PROJECT NUMBER: 112G00389
DRILLING COMPANY: ProSonic
DRILLING RIG: Sonic

BORING No.: OLF54-MW-06-S
DATE: 11-30-06
GEOLOGIST: Gary J. Davis
DRILLER: Mark McLean

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	MATERIAL DESCRIPTION: Color	MATERIAL DESCRIPTION: Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
							Not Logged see adjacent MW-01D2 and MW-04D		Grass Surface				
		NA										0	0
												0	0
	20												
												0	0
	40											0	0
				~V 45									
												0	0
				—			Terminated at 55' setting w/ 15' screen						
	60												

1545

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): 0.0

Remarks:

Converted to Well: Yes ✓ No _____ Well I.D. #: _____

Tetra Tech NUS, Inc.

BORING LOG

Page 1 of 1

PROJECT NAME: Saufley Site 4
PROJECT NUMBER: 112G00389
DRILLING COMPANY: ProSonic
DRILLING RIG: Sonic

BORING No.: OLF54-MW-07-S
DATE: ~~11-30-06~~ 12-1-06
GEOLOGIST: Gary J. Davis
DRILLER: Mark McLean

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
									Post-hole				
							Not logged see adjacent concrete surf						
							MW-01D2 and MW-04-D					0	0
		NA					will Drill Tomorrow morning						
	20											0	0
												0	0
	40											0	0
												0	0
							Terminated at 55'						
	60						setting w/ 15' Screen						

11-30-06 1630

Drilling 0715 12-1-06

0815

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): 0.0

Remarks:

Converted to Well: Yes ✓ No _____ Well I.D. #: _____

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: Saufley Site 4
PROJECT NUMBER: 112G00389
DRILLING COMPANY: ProSonic
DRILLING RIG: Sonic

BORING No.: OLF54-MW-08-S
DATE: 12-1-06
GEOLOGIST: Gary J. Davis
DRILLER: Mark McLean

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
									Concrete Surf. Post-Hole to 5'				
		NA					Not logged, see adjacent MW-01-D2 and MW-04D and associated DPT locations.					0	0
	20											0	0
												0	0
	40											0	0
		V										0	0
	60						Terminated at 55' setting w/ 15' screen						

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Remarks:

Drilling Area Background (ppm): 0.0

Converted to Well: Yes ✓ No _____ Well I.D. #: _____

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: Saufley Site 4
PROJECT NUMBER: 112G00389
DRILLING COMPANY: ProSonic
DRILLING RIG: Sonic

BORING No.: OLFS 4 - MW-09-S
DATE: 12-1-06
GEOLOGIST: Gary J. Davis
DRILLER: Mark McLean

1040

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	MATERIAL DESCRIPTION: Color	MATERIAL DESCRIPTION: Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
							Not Logged		Grass Surface				
		NA					See adjacent MW-04D					0	0
							and associated		DPT				
	20											0	0
												0	0
	40												
												0	0
							Terminated at 55'					0	0
	60						setting w/ 15' screen						

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): 0.0

Remarks: _____

Converted to Well: Yes √ No _____ Well I.D. #: _____

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: Saufley Site 4
PROJECT NUMBER: 112G00389
DRILLING COMPANY: ProSonic
DRILLING RIG: Sonic

BORING No.: OLFS4-MW-10D
DATE: 12-1-06
GEOLOGIST: Gary J. Davis
DRILLER: Mark McLean

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
									Concrete Surf				
					Brown Silty clayey sand			SC					
		N/A											
			100%		Loose		~10% silt. ~20% clay remainder fine sand				0	0	0
	5												
6-16 1410	10											0	0
					Dark Reddish Brown			SC					
					Silty clayey sand								
					~10% silt ~30% clay								
	15											0	0
			1'							16.4			
	20												
					Same as above			SC					
16-26 1415													
												0	0
	25				Color change to white to yellowish brown					13.4			
					Silty sand W/ ~5% clay			SM to SC					

*When rock coring, enter rock brokeness.
** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): 0.0

Remarks:

Converted to Well: Yes ✓ No _____ Well I.D. #: _____

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: Saufley Site 4
PROJECT NUMBER: 112G00389
DRILLING COMPANY: ProSonic
DRILLING RIG: Sonic

BORING No.: OLF54-MW-10D
DATE: 12-1-06
GEOLOGIST: Gary J. Davis
DRILLER: Mark McLean

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
							as above						
		NA											
26-								SC				0	0
			1'		Loose		silty, sand w/	SM					
36	30		6out		to		trace clay						
			of				white to tan						
1420			11		Very								
			to		loose				Loose sand				
									probable fell				
							clay grains from		out of			0	0
	35						trace to 5%		Tassell	10.5			
					Loose				wet to				
									Saturated				
							Same as					0	0
	40		100%							4.4			
36'							above						
1435 46								SC					
								to					
	45							SM				0	0
										6.8			
					Loose		increasing clay	SC					
							content ~ 20%						
46'							otherwise same						
56	50												

* When rock coring, enter rock brokeness.
** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area to 0.2
Background (ppm): 0.0

Remarks:

Converted to Well: Yes ✓ No _____ Well I.D. #: _____

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: Saufley Site 4
PROJECT NUMBER: 112G00389
DRILLING COMPANY: ProSonic
DRILLING RIG: Sonic

BORING No.: OLFS4-MW-10D
DATE: 12-1-06
GEOLOGIST: Gary J. Davis
DRILLER: Mark McLean

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS*	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
1445							As above	SM to SC		2.1		0	0
46'							Silty clayey sand	SC					
56		NA			Loose	Yellowish (olive) Brown			Saturated				
					to	~20% silt, ~30% clay							
	55				Stiff	remainder fine sand						0	0
										4.4			
												0	0
56'	60												
66													
1450													
												0	0
	65				Reddish brown			SC		2.1			
					to yellowish brown								
					mottled				Saturated				
					silty clayey sand								
1500	65'				clay varies 10-30%							0	0
11	70												
	75									1.1		0	0

*When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Remarks: _____

Drilling Area Background (ppm): 0.2

Converted to Well: Yes ✓ No _____ Well I.D. #: _____

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: Saufley Site 4
PROJECT NUMBER: 112G00389
DRILLING COMPANY: ProSonic
DRILLING RIG: Sonic

BORING No.: OLFS4-MW-10D
DATE: 12-1-06
GEOLOGIST: Gary J. Davis
DRILLER: Mark McLean

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
							as above	SC					
		WOH											
							Lt. gray to reddish brown	CL	(77-79')				
							silty sandy clay						
	80									3.1			
							Yellowish Brown to tan	SM to					
							silty sand w/	SC					
							trace clay						
1530	85						Setting well w/		5' screen	3.1			
							Terminated at						
							85'						

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): 0.1

Remarks:

Converted to Well: Yes ✓ No _____ Well I.D. #: _____

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: Saufley Site 4
PROJECT NUMBER: 112G00389
DRILLING COMPANY: ProSonic
DRILLING RIG: Sonic

BORING No.: OLF54-MW-11S
DATE: 12-2-06
GEOLOGIST: Gary J. Davis
DRILLER: Mark McLean

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
									Grass Surf.				
		NA										0	0
							See adjacent MW-10D for more lithologic information						
	10											0	0
												0	0
	20												
												0	0
			4'				White to tan to yellow & Brown Mottled fine Silty Sand w/ trace clay	SM	Dry	0		0	0
0930 26-A1	30		1' out of 5				Remainder washed out or fell out of barrell						
	40						Terminated at 41 setting w/ 13' screen.						

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): 0.0

Remarks:

Converted to Well: Yes ✓ No _____ Well I.D. #: _____

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: Saufley Site 4
PROJECT NUMBER: 112G00389
DRILLING COMPANY: ProSonic
DRILLING RIG: Sonic

BORING No.: OLF54-MW-12-S
DATE: 12-2-06
GEOLOGIST: Gary J. Davis
DRILLER: Mark McLean

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
							See log of Adjacent MW 10D and assoc. DPT	SC					
	10												
	20												
	30								Drilled Dry to ~ 32-33' where started collapsing				
	40												
							Terminated at 45 setting w/ 20' screen						

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): [ ]

Remarks: _____

Converted to Well: Yes ✓ No _____ Well I.D. #: _____

Tetra Tech NUS, Inc.

BORING LOG

Page 1 of 1

PROJECT NAME: Saufley Site 4
PROJECT NUMBER: 112G00389
DRILLING COMPANY: ProSonic
DRILLING RIG: Sonic

BORING No.: OLFS4-MW-13S
DATE: 12-2-06
GEOLOGIST: Gary J. Davis
DRILLER: Mark McLean

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	MATERIAL DESCRIPTION: Color	MATERIAL DESCRIPTION: Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
							Not logged						
		NA					See Adjacent					0	0
	10						MW-10D						
												0	0
												0	0
	20												
												0	0
	30											0	0
												0	0
	40												
												0	0
							Terminated at 45' set w/ 20' screen					0	0

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): 0.0

Remarks:

Converted to Well: Yes ✓ No _____ Well I.D. #: _____

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: Saufley Site 4
PROJECT NUMBER: 112G00389
DRILLING COMPANY: ProSonic
DRILLING RIG: Sonic

BORING No.: OLFS4-MW-14D
DATE: 12-2-06
GEOLOGIST: Gary J. Davis
DRILLER: Mark McLean

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
									Asphalt Surf				
		NR					Brown silty clayey sand	SC					
			100%				~10-20% clay		Dry		0	0	0
	5						~10% silt remainder fine sand						
			1										
			10/								0	0	0
6-16 1540	10		1				Same reddish brown silty clayey sand ~10% silt ~30% clay remainder fine sand	SC	Damp	4.4			
			10"										
	15										0	0	0
										8.2			
			1										
			10/								0	0	0
16-26 1550	20		1				Same as above	SC		9.1			
			10										
							Mottled white to tan to yellow brown to reddish brown Less clay ~5% ~15% silt remainder fine sand	SC to SM			0	0	0
	25									8.3			

* When rock coring, enter rock brokeness.
** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): 0.0

Remarks:

Converted to Well: Yes ✓ No _____ Well I.D. #: _____

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: Saufley Site 4
PROJECT NUMBER: 112G00389
DRILLING COMPANY: ProSonic
DRILLING RIG: Sonic

BORING No.: OLF54-MW-14D
DATE: 12-2-06
GEOLOGIST: Gary J. Davis
DRILLER: Mark McLean

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
		NA					Mottled as above.	SC to					
			1'				trace clay to 5%	SM			0	0	0
	30		10"							8.5			
			1'										
			10"										
								SC to					
	35						white silty sand at bottom 6"	SM			0	0	0
										6.6			
								SM					
	40								11 " Beach Sand 11		0	0	0
							White to lt. pinkish silty sand w/ trace clay fine sand	SM		8.0			
							Mottled white to tan to yellowish brown silty sand trace to 5% clay	SC SC			0	0	0
	45									6.8			
	50												

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): 0.0

Remarks:

Converted to Well: Yes ✓ No _____ Well I.D. #: _____

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: Saufley Site 4
PROJECT NUMBER: 112G00389
DRILLING COMPANY: ProSonic
DRILLING RIG: Sonic

BORING No.: OLFS4-MW14D
DATE: 12-2-06
GEOLOGIST: Gary J. Davis
DRILLER: Mark McLean

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
46-56						yellowish ochre brown	silty clayey sand	to					
							~10% silt ~20% remainder fine sand clay	SM			0	0	0
	55									5.9			
							Alternating 6-inch to 4' thick beds of tan silty sand SM 40-50% fines						
56-											0	0	0
	60							SC		9.7			
66							~~30-40%~~ clay	to					
							Clay increasing content.	CL					
							silty clay ~ 80% clay 10% silt						
	65										0	0	0
							6-inch lean clay ~~Greenish Gray~~	CL	silty	46.3			
66-								SC					
						Brown to reddish brown	to Lt gray clay laminae	silty sand					
76	70						silty clayey sand ~ 20-30% clay	SC		23.6	0	0	0
100							74'				0	0	0
	75						Tan silty sand Trace clay	SM	Trace clay	11.2			

Terminated at 80'

* When rock coring, enter rock brokeness.
** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): 0.0

Remarks: Setting w/ 5' screen
Seal to 6ft

Converted to Well: Yes ✓ No _____ Well I.D. #: _____

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: Saufley Site 4
PROJECT NUMBER: 112G00389
DRILLING COMPANY: ProSonic
DRILLING RIG: Sonic

BORING No.: OLF54-MW14D
DATE: 12-2-06
GEOLOGIST: Gary J. Davis
DRILLER: Mark McLean

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
				Screen		Tan to white	silty sand w/ trace clay as above	SM					
		NR									0	0	0
	80							SM		0.2			
							Terminated at 81' setting 5' screen w/ seal extending to 65'						
	85												

To 81

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): 0.0

Remarks:

Converted to Well: Yes ✓ No ____ Well I.D. #: ____

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: Saufley Site 4
PROJECT NUMBER: 112G00389
DRILLING COMPANY: ProSonic
DRILLING RIG: Sonic

BORING No.: OLF34-MW-15S
DATE: 12-3-06
GEOLOGIST: Gary J. Davis
DRILLER: Mark McLean

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
							Not logged see adjacent MW14D and associated DPT borings at Bldg 807 Also MW-47					0	0
		WH	100%									0	0
	20											0	0
												0	0
	40											0	0
												0	0
												0	0
	60						Terminated at 55' setting w/ 15' screen						

1230

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Remarks:

Drilling Area Background (ppm): 0.0

Converted to Well: Yes ✓ No _____ Well I.D. #: _____

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: Saufley Site 4
PROJECT NUMBER: 112G00389
DRILLING COMPANY: ProSonic
DRILLING RIG: Sonic

BORING No.: OLFS4-MW-16S
DATE: 12-3-06
GEOLOGIST: Gary J. Davis
DRILLER: Mark McLean

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	MATERIAL DESCRIPTION: Color	MATERIAL DESCRIPTION: Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
							Not logged see adjacent MW14D DPT at 807 Bldg & MW-47					0	0
		NA											
			100%										
												0	0
	20												
												0	0
	40											0	0
												0	0
	60						Terminated at 55' setting w/ 15' screen						

1335

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): 0.0

Remarks: _____

Converted to Well: Yes ✓ No _____ Well I.D. #: _____

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: Saufley Site 4
PROJECT NUMBER: 112G00389
DRILLING COMPANY: ProSonic
DRILLING RIG: Sonic

BORING No.: OLFS4-MW-17S
DATE: 12-3-06
GEOLOGIST: Gary J. Davis
DRILLER: Mark McLean

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	MATERIAL DESCRIPTION: Color	MATERIAL DESCRIPTION: Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
												0	0
		NA					Not logged see adjacent MW						
												0	0
	20												
												0	0
												0	0
	40												
												0	0
							Terminated at 55' setting w/ 20' screen						
	60												

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): 0.0

Remarks:

Converted to Well: Yes ✓ No _____ Well I.D. #: _____

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: Saufley Site 4
PROJECT NUMBER: 112G00389
DRILLING COMPANY: ProSonic
DRILLING RIG: Sonic

BORING No.: OLFS4-MW-18-S
DATE: 12-4-06
GEOLOGIST: Gary J. Davis
DRILLER: Mark McLean

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
									Conrock Surf. Post-hole to 5'				
		NA	10/10		Loose		Brown silty clayey sand ~10% silt ~20% clay	SC				0	0
0855	5											0	0
							Dark Reddish brown silty sandy clayey sand. 10% silt ~20% clay	SC			0	0	0
	10									10.8			
6-16			10/10										
	15									5.8		0	0
					Loose		Mottled white to tan to yellowish to reddish brown silty clayey sand to silty sand 5-10% clay to silty sand w/trace clay	SC to SM					
0905												0	0
16-26	20		10/10							13.2			
					Loose							0	0
	25									27.6			

* When rock coring, enter rock brokeness.
** Include monitor reading in 5 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): 0.0

Remarks:

Converted to Well: Yes ✓ No _____ Well I.D. #: _____

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: Saufley Site 4
PROJECT NUMBER: 112G00389
DRILLING COMPANY: ProSonic
DRILLING RIG: Sonic

BORING No.: OLFS4-MW-18-S
DATE: 12-4-06
GEOLOGIST: Gary J. Davis
DRILLER: Mark McLean

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
								SM		19.2	0	0	0
		NR					as above						
					loose					6.8			
0910 26-36	30		10/								0	0	0
			10				Sandy silt	ML		3.2			
							White "beach" sand trace clay.		Dry				
	35						Tan to yellowish	SM			0	0	0
					loose	to	reddish brown			11.8			
							silty sand w trace clay				0	0	0
			10/							2.2			
9AP 36-	40							to					
46			10				Same as above except w 5-10% clay	SC		1.7			
										0.9			
					loose		increasing clay				0	0	0
46' to H2O in adj MW-17S	45				to								
					med		20-40% clay,	SC	Saturated				
					stiff		silt ~10-20% remainder fine sand yellowish "ochre" brown			4.2	0	0	0
46- 56			10/10										
	50							SC					

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): 0.0

Remarks:

Converted to Well: Yes ✓ No _____ Well I.D. #: _____

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: Saufley Site 4
PROJECT NUMBER: 112G00389
DRILLING COMPANY: ProSonic
DRILLING RIG: Sonic

BORING No.: OLF54-MW-18-S
DATE: 12-4-06
GEOLOGIST: Gary J. Davis
DRILLER: Mark McLean

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
46-51		NA	10/10				same as above			1.6	0	0	0
								SC	Saturated				
	55												
12										1.2	0	0	0
							Terminated boring at 56' setting well at 55 w/ 15' screen						
	60												

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): 0.0

Remarks:

Converted to Well: Yes ✓ No _____ Well I.D. #: _____

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: Saufley Site 4
PROJECT NUMBER: 112G00389
DRILLING COMPANY: ProSonic
DRILLING RIG: Sonic

BORING No.: OLF34-MW-19S
DATE: 12-4-06
GEOLOGIST: Gary J. Davis
DRILLER: Mark McLean

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
									Concrete Surf.				
									Post Hole to 5'				
		NA	100%		Loose	Brown	silty clayey sand ~10% silt ~20% clay remainder fine sand	SC	Dry		0	0	0
	5												
						Dark Reddish Brown	silty clayey sand as above		Dry to Damp	0.8	0	0	0
1200	10		1'/1'		Loose								
6-			10										
16													
	15												
											0.8		
							Same as above						
	20		10'/							2.3			
1205 16-					Very Loose	Tan to White to Yellowish Brown mottled to reddish brown	~10-20% silt ~5% clay remainder fine sand	SM to SC	Dry				
26			10										
	25									10.0			

* When rock coring, enter rock brokeness.
** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): 0.0

Remarks:

Converted to Well: Yes ✓ No _____ Well I.D. #: _____

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: Saufley Site 4
PROJECT NUMBER: 112G00389
DRILLING COMPANY: ProSonic
DRILLING RIG: Sonic

BORING No.: OLFS4-MW-19-B
DATE: 12-4-06
GEOLOGIST: Gary J. Davis
DRILLER: Mark McLean

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
							Same as above	SM to SC	Dry				
	30	NA									0	0	0
			10/10							2.9			
					~50-60% silt	White	silty Sand / sandy silt fine sand	ML	"Beach" Sand (Dry)				
	35						Mottled as above	SM to SC		8.6	0	0	0
			10/10										
	40									6.1			
							Mottled Same as above	SC to SM	Dry to Damp				
	45									4.9			
			5/10	48' well	10ft	Yellowish "Ochre" Brown	Silty clayey sand ~20% silt & 30% clay remainder fine sand	SC	wet				
	50										0	0	0

* When rock coring, enter rock brokeness.
** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): 0.0

Remarks:

Converted to Well: Yes V No _____ Well I.D. #: _____

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: Saufley Site 4
PROJECT NUMBER: 112G00389
DRILLING COMPANY: ProSonic
DRILLING RIG: Sonic

BORING No.: OLFS4-MW-19-S
DATE: 12-4-06
GEOLOGIST: Gary J. Davis
DRILLER: Mark McLean

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	MATERIAL DESCRIPTION: Color	MATERIAL DESCRIPTION: Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
			1				Same as above	SC					
		N/A	5/1						Saturated				
			10										
	55										0	0	0
										0.8			
							Terminated Boring at 55' setting w/ 15' screen						
	60												
	65												

46'
56

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): 0.0

Remarks:

Converted to Well: Yes ✓ No _____ Well I.D. #: _____

Tetra Tech NUS, Inc.

BORING LOG

Page 1 of 1

PROJECT NAME: Saufley Site 4
PROJECT NUMBER: 112G00389
DRILLING COMPANY: ProSonic
DRILLING RIG: Sonic

BORING No.: OLFS4-MW-20S
DATE: 12-4-06
GEOLOGIST: Gary J. Davis
DRILLER: Mark McLean

1420

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	MATERIAL DESCRIPTION: Color	MATERIAL DESCRIPTION: Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
							See Adj MW-21S	SC	Concrete Surf. Post-hole 5'				
		NA					and MW 10D					0	0
	10												
												0	0
	20												
												0	0
	30											0	0
				MW@15S									
												0	0
	40												
												0	0
							Terminated at 45'		—			0	0
							setting w/ 15' screen						
	50												

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): 0.0

Remarks: _____

Converted to Well: Yes ✓ No _____ Well I.D. #: _____

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: Saufley Site 4
PROJECT NUMBER: 112G00389
DRILLING COMPANY: ProSonic
DRILLING RIG: Sonic

BORING No.: OLF54-MW-21-S
DATE: 12-4-06
GEOLOGIST: Gary J. Davis
DRILLER: Mark McLean

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS*	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
									Concrete Surf.				
									Post-hole to 5'				
					Loose	Brown	silty clayey sand ~10% silt ~10% clay	SC	Dry			0	0
	5									8.5	0		
					Loose	Dark Reddish Brown	silty clayey sand ~18% silt ~20-30% clay	SC	Dry	6.8	0	0	0
	15				Loose					6.1	0	0	0
						Same as above			Dry				
	25				Very Loose		Silty sand w/ trace fine to med. grained	SM to SC	Dry	4.1			
						Mottled White to tan to yellowish to reddish brown					0	0	0
										8.8			

When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): 0.0

Remarks:

Converted to Well: Yes ✓ No _____ Well I.D. #: _____

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: Saufley Site 4
PROJECT NUMBER: 112G00389
DRILLING COMPANY: ProSonic
DRILLING RIG: Sonic

BORING No.: OLF54-MW-21-S
DATE: 12-4-06
GEOLOGIST: Gary J. Davis
DRILLER: Mark McLean

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
						Same as above		SM		8.8	0	0	0
		NR			very loose			to	fine to med. grained				
								SC					
	30		8/1								0	0	0
1625 26' 36			8/10							9.2			
	35										0	0	0
										5.8			
						tan to yellowish brown							
			10/										
1630 36'	40					Same as above					0	0	0
46			10							5.2			
	45										0	0	0
										5.9			
							Terminated at 46'						
							will set well in morning						
	50												

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): 0.0

Remarks: _____

Converted to Well: Yes ✓ No _____ Well I.D. #: _____

Tetra Tech NUS, Inc.

BORING LOG

Page 1 of 4

PROJECT NAME: Saufley Site 4
PROJECT NUMBER: 112G00389
DRILLING COMPANY: ProSonic
DRILLING RIG: Sonic

BORING No.: OLF54-MW-22D
DATE: 12-5-06
GEOLOGIST: Gary J. Davis
DRILLER: Mark McLean

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
									Grass Surface Post-Hole 5'				
		NA	100%		Loose		Brown silty clayey sand ~10% silt ~20% clay remainder fine sand	SC			0	0	0
	5												
6-16'	10		1 2/10				Sand as above				0	0	0
	15				Loose		Dark Reddish brown silty clayey sand ~10% silt ~20% clay remainder fine sand		0.0 Dry				
16-26'	20		1 10/10								0	0	0
				~▼?				SC					
	25			Very Loose				SM	Damp to Moist 25.8		0	0	0

Filter

Filter 0.0

* When rock coring, enter rock brokeness.
** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): 0.0

Remarks: MicroFID screening

Converted to Well: Yes ✓ No _____ Well I.D. #: _____

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: Saufley Site 4
PROJECT NUMBER: 112G00389
DRILLING COMPANY: ProSonic
DRILLING RIG: Sonic

BORING No.: OLFS4-MW-22D
DATE: 12-5-06
GEOLOGIST: Gary J. Davis
DRILLER: Mark McLean

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
						White to tan to yellowish		SM					
		NR			Very Loose	Brown to Reddish Brown	mottled silty sand	to					
							w/ trace clay to ~5% clay	SC					
	30		10'/1'		Loose		~30% clay		wet to saturated		0	0	0
			10		Very Loose								
	35				Loose		~30% clay increase	SC	saturated (1981)		0	0	0
						Tan to yellowish "ochre"		SM					
					Very Loose	Brown silty sand	to silty clayey sand	to SC					
			1 10'/				~10-20% clay		saturated				
	40		10'								0	0	0
	45					Same as above		SM to SC		0.0	0	0	0
			1 10'/ 10'			Same as above		SM to SC					
	50												

* When rock coring, enter rock brokeness.
** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): 0.0

Remarks:

Converted to Well: Yes ✓ No _____ Well I.D. #: _____

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: Saufley Site 4
PROJECT NUMBER: 112G00389
DRILLING COMPANY: ProSonic
DRILLING RIG: Sonic

BORING No.: OLFS4-MW-22D
DATE: 12-5-06
GEOLOGIST: Gary J. Davis
DRILLER: Mark McLean

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
1115 46-56		AK	10/10						Saturated				
	55										0	0	0
										9.0			
56-66'	60		10/10										
	65						Increasing clay content to 30-40%			0.0			
	70		10/10		Stiff to Med-Stiff		Lt gray to reddish brown to yellowish brown silty clay w/ 2-5% fine sand	CL	laminated				
66-76'	75							CL		0.0	0	0	0

* When rock coring, enter rock brokeness.
** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): 0.0

Remarks:

Converted to Well: Yes ✓ No _____ Well I.D. #: _____

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: Saufley Site 4
PROJECT NUMBER: 112G00389
DRILLING COMPANY: ProSonic
DRILLING RIG: Sonic

BORING No.: OLFS4-MW-22D
DATE: 12-5-06
GEOLOGIST: Gary J. Davis
DRILLER: Mark McLean

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
1130 76-81		NR					silty clay as above	CL					
									Saturated				
					Stiff						0	0	0
	80				to								
					Med-			CL					
					Stiff								
81-91											0	0	0
	85							CL					
							White to tan to Yellowish "ochre" brown silty sand trace clay	SM			0	0	0
	90									0	0		
							Yellowish silty clayey sand ~ 10-20% clay	SC					
							Terminated at 91' Setting w/ 5' screen						
	95												
	100												

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): 0.0

Remarks:

Converted to Well: Yes ✓ No _____ Well I.D. #: _____

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: Saufley Site 4
PROJECT NUMBER: 112G00389
DRILLING COMPANY: ProSonic
DRILLING RIG: Sonic

BORING No.: OLFS4-MW-23-S'
DATE: 12-5-06
GEOLOGIST: Gary J. Davis
DRILLER: Nan K McLean

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
		NA					Not logged see adjacent MW-22D						
	10												
	20												
	30												
	40												
							Terminated at 40' setting w/ 20' screen						

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): 0.0

Remarks:

Converted to Well: Yes ✓ No _____ Well I.D. #: _____

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: Saufley Site 4
PROJECT NUMBER: 112G00389
DRILLING COMPANY: ProSonic
DRILLING RIG: Sonic

BORING No.: OLFS4-MW-24-S
DATE: 12-5-06
GEOLOGIST: Gary J. Davis
DRILLER: Mark McLean

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
									Concrete surf.				
									Post Hole 5'				
							Brown silty clayey						
		NA	100%		loose		Sand ~ 10% silt	SC					
							~ 20% clay		Dry				
	5						remainder fine sand				0	0	0
							Dark Reddish Brown						
	10		10'/		loose		silty clayey sand	SC	Dry		0	0	0
			10'		to		~ 10% silt ~ 30% clay						
					med								
					stiff								
	15										0	0	0
								SC					
					very		Mottled white to tan to	SM	1605				
	20		10'		loose		yellowish to reddish brown	to	* Lab Sample		0	0	0
							silty sandy trace	SC	for AS				
			10'				clay to ~ 5% clay						
	25										0	0	0

1545
6-16
1600
16.26'
1602

* When rock coring, enter rock brokeness.
** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): 0.0

Remarks:

Converted to Well: Yes ✓ No _____ Well I.D. #: _____

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: Saufley Site 4
PROJECT NUMBER: 112G00389
DRILLING COMPANY: ProSonic
DRILLING RIG: Sonic

BORING No.: DCFS4-MW24-S
DATE: 12-5-06
GEOLOGIST: Gary J. Davis
DRILLER: Mark McLean

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS*	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
LL													
		NA			Loose		Same as above SM to SC	SM to SC			0	0	0
			10'/1										
25-26	30												
			/10		Very loose		White silty sand trace clay 20-30% silt remainder fine sand	SM	"Beach" sand		0	0	0
	35												
								SM			0	0	0
							Brown to Yellowish brown 20% clay	SC					
			1				White silty sand trace clay	SM					
			10/1										
36-46	40		/10								0	0	0
									Dry				
	45						Yellowish brown silty clayey sand ~10% silt & 20% clay w/ remainder fine sand	SC	Moist		0	0	0
LL													
			0/2										
			9	Lost Rec.									
1630													
55	50												

* When rock coring, enter rock brokeness.
** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): 0.0

Remarks: Will set in monitoring.

Converted to Well: Yes ✓ No _____ Well I.D. #: _____

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: Saufley Site 4
PROJECT NUMBER: 112G00389
DRILLING COMPANY: ProSonic
DRILLING RIG: Sonic

BORING No.: OLFS4-MW-25-S
DATE: 12-7-06
GEOLOGIST: Gary J. Davis
DRILLER: Mark McLean

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
0930									Concrete surf.				
									Post-hole 5'				
		NA			Loose	Brown	silty clayey sand	SC					
			10%				~10% silt ~10% clay						
	5								Dry		0	0	0
					Loose								
1025													
6-16						Dark Reddish Brown		SC					
	10		10/10				silty sandy clay to clayey sand		# Soil Sample (AS) plus SPLP 13-8		0	0	0
							~10% silt ~20-30% clay						
							Remainder fine sand		Dry to Damp				
	15										0	0	0
								SC		45.2			
			8'/10'										
1030	20										0	0	0
16-26								SC		10.3			
					Very Loose	White to tan to yellowish to reddish brown mottled silty clayey sand to silty sand		SM to SC	~10% silt ~5-20% clay remainder fine sand				
	25												

Filt. 6.9
Filt. 11.8
Filt. 0.0

* When rock coring, enter rock brokeness.
** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): 0.0

Remarks:

Converted to Well: Yes ✓ No _____ Well I.D. #: _____

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: Saufley Site 4
PROJECT NUMBER: 112G00389
DRILLING COMPANY: ProSonic
DRILLING RIG: Sonic

BORING No.: OLFS4-MW-25-S
DATE: 12-7-06
GEOLOGIST: Gary J. Davis
DRILLER: Mark McLean

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
										149.2			
					very loose		Same as above	SM to SC			0	0	0
	30		8/1								0	0	0
			1/10		very loose		White to pinkish silty sand trace clay	SM	"Beach" sand Dry	28.8			
	35										0	0	0
						Yellowish brown				2,490			
						White to tan to yellowish to reddish brown		SC to SM	Sample				
	40		1/10		loose to very loose		silty clayey sand to silty sand			over 4045			
	45												
										over 4045			
			1/10		loose to med stiff	Yellowish Brown	silty clayey sand ~10% silt ~30% clay remainder fine sand	SC	Saturated				
	50												

Fil Heads 120.9
Filt. 1.7
Filt. 876.0
1,185
Filt. 4045

1035 26' 36
1055 36' 46
1110 56

* When rock coring, enter rock brokeness.
** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Remarks: Terminated at 56' setting 15' screen

Drilling Area Background (ppm): 0.0

Converted to Well: Yes ✓ No _____ Well I.D. #: _____

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: Saufley Site 4
PROJECT NUMBER: 112G00389
DRILLING COMPANY: ProSonic
DRILLING RIG: Sonic

BORING No.: OL-FSA-MW-26D
DATE: 12-7-06
GEOLOGIST: Gary J. Davis
DRILLER: Mark McLean

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
									Grass Surf.				
									Post-hole to 5'				
		NA	100%		Brown silty clayey sand								
					Loose				Dry			0	0
	5												
												0	0
	10		1'		Dark Reddish Brown			SC					
			1'				silty clayey sand						
			10		Loose		~10% Silt ~30% clay						
	15											0	0
										29.1			
			7'										
	20		10'										
									Dry				
					Very Mottled white to tan to			SM to				0	0
	25				Loose		yellowish to Reddish brown silty sand w/ trace clay to silty clayey sand w/ 5-10% clay	SC	¼ Soil Sample	28.5			

15.5

10.5

16.26

1345

* When rock coring, enter rock brokeness.
** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated response read.

Drilling Area Background (ppm): 0.0

Remarks: _____

Converted to Well: Yes ✓ No _____ Well I.D. #: _____

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: Saufley Site 4
PROJECT NUMBER: 112G00389
DRILLING COMPANY: ProSonic
DRILLING RIG: Sonic

BORING No.: DLFS4-MW-26D
DATE: 12-7-06
GEOLOGIST: Gary J. Davis
DRILLER: Mark McLean

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
								SC					
		NA					as above	to					
								SM					
			7'/10'										
	30										0	0	0
26'													
36									Dry to Damp				
							Screen Zone			32.0	0	0	0
	35					white to tan		SM					
					very loose		Silty sand w/ trace clay fine sand w 10-20% silt		Estimated	168.9			
											0	0	0
			10/10										
36-46	40							SM					
					loose to stiff		yellowish Brown ~ 30% clay	SC					
							white to tan as above	SM					
							very loose						
	45										0	0	0
							yellowish brown increasing clay content to 30-40%	SC		2.1			
			10/16				silty clayey sand						
	50					Lt. Gray to tan	as above	SC					

Filter

16.8

35.4

0.0

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): 0.0

Remarks:

Converted to Well: Yes ✓ No _____ Well I.D. #: _____

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: Saufley Site 4
PROJECT NUMBER: 112G00389
DRILLING COMPANY: ProSonic
DRILLING RIG: Sonic

BORING No.: OLF59-MW-26D
DATE: 12-7-06
GEOLOGIST: Gary J. Davis
DRILLER: Mark McLean

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
	0												
		NA	10'/10'		Loose to Med Stiff		40-50% clay very fine sand & silt	SC to CL	Saturated				
	55									47.3			
	60		1'/10'				increasing clay content						
	65		5'/5'		very loose		Pinkish med grained silty sand	SM		0.0			
	70				Med Stiff to loose		Silty sandy clay yellowish to reddish Brown ~20% silt & 20% fine sand	CL		19.8			
	75		10'/10'		very loose		Pinkish silty sand w/ trace clay	SM					

* When rock coring, enter rock brokeness.
** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): 0.0

Remarks:

Converted to Well: Yes ✓ No _____ Well I.D. #: _____

AG-55

55-66

66-71

Filter

0.0

22.7

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: Saufley Site 4
PROJECT NUMBER: 112G00389
DRILLING COMPANY: ProSonic
DRILLING RIG: Sonic

BORING No.: OLFS4 MW-26 D
DATE: 12-7-06
GEOLOGIST: Gary J. Davis
DRILLER: Mark McLean

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
					Very loose	Pinkish	silty sand w/ trace clay	SM					
		NR	10'/10'										
	80												
										163.0			
							Terminated at 81' set. w/ 5' screen.						
	85												

F: filtered

7'-81'

15'0

49.1

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): 0.0

Remarks:

Converted to Well: Yes ✓ No _____ Well I.D. #: _____

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: Saufley Site 4
PROJECT NUMBER: 112G00389
DRILLING COMPANY: ProSonic
DRILLING RIG: Sonic

BORING No.: OLFS4-MW-25-S
DATE: 12-6-06
GEOLOGIST: Gary J. Davis
DRILLER: Mark McLean

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
0915									Concrete Seal				
									Post-Hole @ 5'				
		NA	100%				Brown silty clayey sand	SC					
					Loose		~10% silt ~ 10-20% clay remainder fine sand				0	0	0
	5												
									Not change of sample (As)				
0930 1 6-16	10		8/1'				Dark Reddish Brown		* Sample 2.7		0	0	0
			10/1'		Loose		Silty clayey Sand ~20-30% clay, ~10% silt remainder fine sand	SC					
	15										0	0	0
										23.1			
			10'/1'										
											0	0	0
16-26'	20									8.1			
					Loose		as above						
								SC					
	25				Very Loose			SC to SM		79.9			

* When rock coring, enter rock brokeness.
** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): 0.0

Remarks:

Converted to Well: Yes ✓ No _____ Well I.D. #: _____

Filter 0

Filter 0

Filter 0

Filter 36.4

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: Saufley Site 4
PROJECT NUMBER: 112G00389
DRILLING COMPANY: ProSonic
DRILLING RIG: Sonic

BORING No.: OLFS4-MW-25-S
DATE: 12-6-06
GEOLOGIST: Gary J. Davis
DRILLER: Mark McLean

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**	
							SP		Coarse					
						Brown	silty clayey sand	SC						
					very loose		silty sand w/ trace to 10% clay	SC to SM	Dry					
0945	30		10/1				Turn to white to yellowish to reddish brown				0	0	0	Filter 0
26-36'			10							15.8				
								SC						
	35						White silty sand w/	SM	"Beach" sand		0	0	0	Filter 0
					very loose		trace clay		Damp	11.2				
1000							White to pinkish silty sand w/ trace clay							
36-46'	40								Damp to Moist	11.4	0	0	0	Filt. 2.4
									Note change (45) of sample #					
	45				loose		Yellowish to reddish	SM SC	# Sample		0	0	0	Filt 19.4
							brown silty clayey sand w 10% silt & 10-20% clay		Damp	26.4				
1020									Saturated					
46-56							Yellowish "ochre" brown silty clayey sand w 10% silt & 20-30% clay	SC						
	50			SC										
							SM							
	56			SC to CL			52-56' w 50-60% clay & silty sand clay bottom	CL		0.6				Filt. 0

* When rock coring, enter rock brokeness.
** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): 0.0

Remarks:

Converted to Well: Yes ____ No ____ Well I.D. #: ____

Terminated at 56' setting w/ 15' screen

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: Saufley Site 4
PROJECT NUMBER: 112G00389
DRILLING COMPANY: ProSonic
DRILLING RIG: Sonic

BORING No.: OLFS4-MW-28S
DATE: 12-13-06
GEOLOGIST: Gary J. Davis
DRILLER: Mark McLean

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
									Grass surface				
0800									Post-hole 5'				
		NA					Not logged see						
			100%				Adjacent MW-26D					0	0
	10		NA										
												0	0
	20												
												0	0
	30												
												0	0
	40												
												0	0
0845									Terminated at 45'				
									Setting w/ 15' screen				
	50												

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): 0.0

Remarks:

Converted to Well: Yes ✓ No _____ Well I.D. #: _____

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: Saufley Site 4
PROJECT NUMBER: 112G00389
DRILLING COMPANY: ProSonic
DRILLING RIG: Sonic

BORING No.: OLFS4-MW 29D
DATE: 12-13-06
GEOLOGIST: Gary J. Davis
DRILLER: Mark McLean

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**	
									Concrete Surf.					Filter
									Post-Hole to 5'					
		NA	100/10		Brown silty clayey sand ~10% silt ~20% clay			SC			0	0	0	
					Loose									
	5								Dry					
											0	0	0	
1150 6-16	10		8/10		Dark Reddish Brown silty clayey sand ~10% silt ~20-30% clay remainder fine sand			SC		14.5				12.8
					Loose				Dry					
	15										0	0	0	
										43.8				14.4
									Dry					
			8/10								0	0	0	
1200 6-26	20									14.8				13.0
					Very rocky		Mottled white to tan to Reddish to yellowish Brown to clay varies from trace to 10%	SM SC	Dry		0	0	0	
	25													

1045 Fueled Rig

* When rock coring, enter rock brokeness.
** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area 12.2
Background (ppm): 0.0 Hg

Remarks: Adjacent to DPW-24 Wind Shifted

Converted to Well: Yes ✓ No _____ Well I.D. #: _____

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: Saufley Site 4
PROJECT NUMBER: 112G00389
DRILLING COMPANY: ProSonic
DRILLING RIG: Sonic

BORING No.: OLFS4-MW-29D
DATE: 12-13-06
GEOLOGIST: Gary J. Davis
DRILLER: Mark McLean

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**	
														Fill.
		NA			very loose		Same as above			23.9				13.4
											0	0	0	
1210 26-36							White to tan to yellowish brown silty sand to	SM to			0	0	0	
	30		1'											
			10/10'		loose		Silty clayey sand trace sand clay to		Saturated	1023				138.1
							3 yellowish ± 10% Alternates	SC						
	35				tan			SM			0	0	0	
					loose					208.4				120.4
					3 white			SM						
					loose									
1220 36-46	40		10'											
			10/10'				Lt gray	SC						
					loose									
	45						Yellowish brown silty	SM			0	0	0	
							clayey sand to silty clay	to SC		15.4				13.3
							Lt gray to tan	SC						
46-56			10'/10'		loose		± 20% silt ± 5-10% clay		remainder fine sand					
	50													

* When rock coring, enter rock brokeness.
** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area 12.2
Background (ppm): 0.0 N/D

Remarks:

Converted to Well: Yes ✓ No _____ Well I.D. #: _____

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: Saufley Site 4
PROJECT NUMBER: 112G00389
DRILLING COMPANY: ProSonic
DRILLING RIG: Sonic

BORING No.: OLFS4-MW-29D
DATE: 12-13-06
GEOLOGIST: Gary J. Davis
DRILLER: Mark McLean

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS*	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
						Lt. Gray to tan		SC	Saturated				
		N/A	1'		Loose		silty clayey sand						
			10/				25-10% clay 20% silt						
			10'				remainder fine sand				0	0	0
	55												
										15.0			
									increasing clay content				
					Loose		Pinkish silty clayey sand	SC					
	60		10/										
			10'										
							Reddish brown	SC					
							~ 20-30% clay						
							Yellowish Brown						
	65						silty clayey sand				0	0	0
							~ 10% clay			15.6			
							silty sandy clay	CL					
			5'		Med		~ 28% silt or 10% to						
			5'		Stiff		20% fine sand						
	70						remainder yellowish Brown clay						
											0	0	0
										14.4			
							White to tan to	SM					
							yellowish to reddish						
	75						Brown silty sand w/ trace to 5% clay						

* When rock coring, enter rock brokeness.
** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area 12.2
Background (ppm): 0.0

Remarks:

Converted to Well: Yes ✓ No ____ Well I.D. #: ____

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: Saufley Site 4
PROJECT NUMBER: 112G00389
DRILLING COMPANY: ProSonic
DRILLING RIG: Sonic

BORING No.: DLFS4-MW-29D
DATE: 12-13-06
GEOLOGIST: Gary J. Davis
DRILLER: Mark McLean

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
		NA	10'				Same as above	SM					
			10'								0	0	0
	80									19.7			15.1
							Terminated at 81'						
							Setting w/ 5' screen						
	85												
	90												

F.H.

71-81'

1300

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area 12.2

Remarks:

Background (ppm): 0.0 BZ

Converted to Well: Yes ✓ No _____ Well I.D. #: _____

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: Saufley Site 4
PROJECT NUMBER: 112G00389
DRILLING COMPANY: ProSonic
DRILLING RIG: Sonic

BORING No.: OLFS4-MW30S'
DATE: 12-13-06
GEOLOGIST: Gary J. Davis
DRILLER: Mark McLean

1500

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
									Concrete Surf				
									Post hole to 3'				
		NA			Loose	Brown	Silty clayey Sand	SC				0	0
			10of6										
							Not logged see adjacent						
	10						DPW-23 and MW-29D					0	0
												0	0
	20											.	
												0	0
	30			~~~	← From MW-29 Boring							0	0
												0	0
	40												
							Terminated at						
							40' setting w/ 15' Screen						

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Remarks: Adjacent to DPW-23 ← No Exceedances @ 26'
Screening already performed

Drilling Area Background (ppm): 12.2

Converted to Well: Yes ✓ No _____ Well I.D. #: _____

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: Saufley Site 4
PROJECT NUMBER: 112G00389
DRILLING COMPANY: ProSonic
DRILLING RIG: Sonic

BORING No.: OLFSA-MW 31S
DATE: 12-13-06
GEOLOGIST: Gary J. Davis
DRILLER: Mark McLean

1610

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
									Grass Surface				
							Post-hole to 5'						
		NA					Brown silty clayey sand	SC				0	0
							Not logged, see adjacent DP-30 bor. and MW-29D						
	10											0	0
												0	0
	20											0	0
												0	0
	30											0	0
												0	0
	40												
							Terminated at 40' setting w/ 15' screen						

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Remarks: DP-30 screened clean and No exceedances from soil at 8'. Screening not required

Drilling Area Background (ppm): 12.2

Converted to Well: Yes V No _____ Well I.D. #: _____

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: Saufley Site 4
PROJECT NUMBER: 112G00389
DRILLING COMPANY: ProSonic
DRILLING RIG: Sonic

BORING No.: OL FS4 - MW 32S
DATE: 12-14-06
GEOLOGIST: Gary J. Davis
DRILLER: Mark McLean

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
									Concrete Surf.				
		NA	7 100%			Brown	silty clayey sand	&	Post hole 5'			0	0
			-4										
							Lithology Not logged see adjacent DPW13 and MW-29D boring logs.						
	10												
												0	0
	20											0	0
												0	0
	30												
												0	0
	40											0	0
							Terminated at 40'						
							setting w/ 15' screen						

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): 0.0

Remarks: Adjacent to DPW-13, and MW-29D for Lithology (No soil Exceedance only GW exceedance

Converted to Well: Yes V No _____ Well I.D. #: _____

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: Saufley Site 4
PROJECT NUMBER: 112G00389
DRILLING COMPANY: ProSonic
DRILLING RIG: Sonic

BORING No.: OLF54-MW-33S
DATE: 12-14-06
GEOLOGIST: Gary J. Davis
DRILLER: Mark McLean

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**	
									Concrete Surf.					F.H.
		NA			Loose		Brown silty clayey sand ± 10% silt ± 10% clay	SC	Damp to moist					
1120 4-5' sample	5								* Sample	2.2	0	0	0	0.0
							Dark Reddish Brown silty clayey sand ± 10% silt ± 20% clay	SC	Dry					
1130 6-16	10		9/11 10		Loose					16.1	0	0	0	2.4
	15									48.3	0	0	0	17.3
1135 16-26'	20		6/11 10		Very Loose		Mottled White to tan to Yellowish to reddish Brown clay varies from trace to 10%	SM to SC	Dry	13.8	0	0	0	1.1
	25								* Sample	105.6				25.0

* When rock coring, enter rock brokeness.
** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): 0.0

Remarks:

Converted to Well: Yes ✓ No ____ Well I.D. #: ____

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: Saufley Site 4
PROJECT NUMBER: 112G00389
DRILLING COMPANY: ProSonic
DRILLING RIG: Sonic

BORING No.: OLF54-MW33S
DATE: 12-14-06
GEOLOGIST: Gary J. Davis
DRILLER: Mark Melean

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**	
														Filt.
		11			Very loose	White	silty sand w/ trace clay	SM	Wet to Saturated	16.6	0	0	0	2.7
	30									6.4				1.4
					Loose to med stiff	Yellowish brown	Silty clayey sand ~10% silt and 30-40% clay	SC	Increasing clay content / Saturated		0	0	0	
1150	35										0	0	0	
										12.1				1.4
					Loose	Pinkish	silty clayey sand ~10% silt ~10% clay	SC						
1200	40													
							Terminated at 40' Setting w/ 20' screen				0	0	0	
										2.6				1.1

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): 0.0

Remarks:

Converted to Well: Yes ✓ No _____ Well I.D. #: _____

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: Saufley Site 4
PROJECT NUMBER: 112G00389
DRILLING COMPANY: ProSonic
DRILLING RIG: Sonic

BORING No.: DLFS4-MW-34S
DATE: 12-14-06
GEOLOGIST: Gary J. Davis
DRILLER: Mark McLean

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	MATERIAL DESCRIPTION: Color	MATERIAL DESCRIPTION: Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
									Concrete Surf.				
									Post-hole #5'				
		AA											
							Not logged see						
							Adj. MW-29D - MW-26D						
	10						DP 18, 19, 20						
	20												
	30												
	40												
							Terminated at 40'						
							to set w/15' screen						

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): [ ]

Remarks: _____

Converted to Well: Yes ✓ No _____ Well I.D. #: _____

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: Saufley Site 4
PROJECT NUMBER: 112G00389
DRILLING COMPANY: ProSonic
DRILLING RIG: Sonic

BORING No.: OLFS4-MW35S
DATE: 12-14-06
GEOLOGIST: Gary J. Davis
DRILLER: Mark McLean

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**	
									Asphalt Surf. Post-hole to 5'					
		NR	10%			Brown	silty clayey Sand	SC						
	5										0	0	0	
	10		5/1/10			Dark Reddish brown	silty clayey Sand	SC		8.9				0.0
	15										0	0	0	
										46.1				22.0
	20		6/1/10			Mottled white to tan to yellowish to reddish brown		SW to SC	trace to 10% clay	10.3				1.2
	25										0	0	0	
										128.7				53.6

1300 1320 MW
1320 6-16'
1325 16-26'
Filt.

* When rock coring, enter rock brokeness.
** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): 0.0

Remarks:

Converted to Well: Yes ✓ No _____ Well I.D. #: _____

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: Saufley Site 4
PROJECT NUMBER: 112G00389
DRILLING COMPANY: ProSonic
DRILLING RIG: Sonic

BORING No.: OLF54-MW35S
DATE: 12-14-06
GEOLOGIST: Gary J. Davis
DRILLER: Mark McLean

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**	
								SM to SC						
		NA	1				Same as above							
			1						28-29'					
			1						# Sample	138.2				21.8
	30		1											
									wet to saturated	1323				48.5
							Grade to White to Lt. Gray Silty clayey sand ~10% silt ~ 10%-20% clay		Saturated	200	0	0	0	200 48.5
	35									172.5				
			1							7.2				0.6
			5											
			1											
			5											
	40										0	0	0	
							Terminated at 41' to set well			2.5				1.2

1340 26-36

1350 36-41'

* When rock coring, enter rock brokeness.

** Include monitor reading in 5 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): 0.0

Remarks:

Converted to Well: Yes ✓ No _____ Well I.D. #: _____

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: Saufley Site 4
PROJECT NUMBER: 112G00389
DRILLING COMPANY: ProSonic
DRILLING RIG: Sonic

BORING No.: OLFS4-MW-36S
DATE: 12-14-06
GEOLOGIST: Gary J. Davis
DRILLER: Mark McLean

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS*	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
									Grass Surface				
									Post hole 5'				
		Air	10%		Loose	Brown	silty clayey sand	SC	Damp		0	0	0
	5												
									Dry				
											0	0	0
			1'		3	Dark Brown to Black w/ white				1.4			0.3
	10		10/			Brown							
			1			Reddish Brown		SC					
			10			silty clayey sand							
						Dark Reddish Brown							
									Dry				
	15										0	0	0
										16.8			8.1
			8'			Mottled silty sand to		SM					
	20		/		Very		silty clayey sand	SC					
			1		Loose		clay varies from trace		Dry				
			10				to 20-15%						
	25								± 25' Soil Sample		0	0	0
										174.7			27.2

Drilling Area Background (ppm): 0.0

1430 — 1510 — 6-16' — 16-26'

Filt.

*When rock coring, enter rock brokeness.
**Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Remarks:

Converted to Well: Yes ✓ No ____ Well I.D. #: ____

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: Saufley Site 4
PROJECT NUMBER: 112G00389
DRILLING COMPANY: ProSonic
DRILLING RIG: Sonic

BORING No.: OLF54-MW36S
DATE: 12-14-06
GEOLOGIST: Gary J. Davis
DRILLER: Mark McLean

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
							As Above	SM to SC			0	0	0
1520 26-31		NA	1' 5/5'		Very loose		white to tan silty sand w/ trace clay	SM		48.1			12.9
	30										0	0	0
										21.2			0.5
					Loose		Yellowish Brown silty clayey sand ~ 10% silt + ~ 30 to 40% clay	SC					
1530 31-41	35						Lt. gray to white to yellowish brown mottled ~ 10% clay						
							Yellowish brown silty sandy clay ~ 30 to 40% clay	SC					
	40										0	0	0
							Lt. gray as above Terminated at 41' to set w/ 15' screen			3.7			0.1

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): 0.0

Remarks:

Converted to Well: Yes ✓ No _____ Well I.D. #: _____

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: Saufley Site 4
PROJECT NUMBER: 112G00389
DRILLING COMPANY: ProSonic
DRILLING RIG: Sonic

BORING No.: OLF54-807 SB1
DATE: 12-3-06
GEOLOGIST: Gary J. Davis
DRILLER: Mark McLean

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
									Concrete Surf.				
1045									Post hole to 5'				
		NA					Brown silty clayey sand						
	5												
								SC					
1.													
			10/										
6'1	10		10				Dark Reddish Brown silty clayey sand						
16'									No Obstructions				
	15							SC					
1100							Terminated Boring at 16'		No Tanks				

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): 0.0

Remarks: Location Geophysical anomaly to search for possible USTs

Converted to Well: Yes ____ No ✓ Well I.D. #: ____

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: Saufley Site 4
PROJECT NUMBER: 112G00389
DRILLING COMPANY: ProSonic
DRILLING RIG: Sonic

BORING No.: OLFSA-SB-2
DATE: 12-15-06
GEOLOGIST: Gary J. Davis
DRILLER: Mark McLean

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
									Asphalt Surface Post-hole to 5'				
		NA	10"		Loose	Brown	silty clayey Sand	SC					
	5		4'										
									Dry				
			8'						SB-2-S10' * Sample TAL metals				
	10		10"										
					Dark Reddish Brown Loose		silty clayey sand	SC	Dry				
	15										0	0	0
										26.7			13.7
									Dry				
	20		8'										
			10"		Very Loose	Mottled White to tan to Yellowish to Reddish Brown	clay, varies from trace to 10%	SM to SC					
									Dry				
	25							25-26'	* Sample	397.3	0	0	0

* When rock coring, enter rock brokeness.
** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): 0.0

Remarks:

Converted to Well: Yes ____ No ✓ Well I.D. #: ____

0845
Sample 1 9-10 ft
0850 1 * G-16
0855 1 16-26
118.4

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: Saufley Site 4
PROJECT NUMBER: 112G00389
DRILLING COMPANY: ProSonic
DRILLING RIG: Sonic

BORING No.: OLFS4-SB2
DATE: 12-15-06
GEOLOGIST: Gary J. Davis
DRILLER: Mark McLean

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
		NR			Very loose		Mottled as above	SM to SC					
	30		8/10						Dry				
	35										0	0	0
					very loose		Pinkish to yellowish silty sand w/ trace clay to 20-30% silt trace clay	SM to ML	(Same color yellow @ bit in 2.5' @ 40')	A9.1			19.3
	40								Dry				
							Same as above						
	45	V								26.7			9.9

0900 26-36

0905 36-46'

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): 0.0

Remarks:

Converted to Well: Yes ____ No ✓ Well I.D. #: ____

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: Saufley Site 4
PROJECT NUMBER: 112G00389
DRILLING COMPANY: ProSonic
DRILLING RIG: Sonic

BORING No.: OLF54-SB-3
DATE: 12-15-06
GEOLOGIST: Gary J. Davis
DRILLER: Mark McLean

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
									Asphalt Surf. Post-Lok to 5'				
		NR	10%		Loose	Brown							
	5										0	0	0
	10		10'/10'			Dark Reddish Brown			#1S sample 9-10'				
0925 6-16													
	15										0	0	0
										12.3			1.3
			9'/10'										
0930 10-26	20										0	0	0
										99.6			18.9
					Loose	Mottled gray	silty sand to silty clayey sand	SM to SC					
	25								#2S 25'-26' sample		0	0	0
										104.6			26.8

* When rock coring, enter rock brokeness.
** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): 0.0

Remarks:

Converted to Well: Yes ____ No ✓ Well I.D. #: ____

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: Saufley Site 4
PROJECT NUMBER: 112G00389
DRILLING COMPANY: ProSonic
DRILLING RIG: Sonic

BORING No.: OLF54-SB-3
DATE: 12-15-06
GEOLOGIST: Gary J. Davis
DRILLER:

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**	
							Mottled	SM to SC						
		WH					As above							
	30		8'/10'											
0935							White to pinkish white silty sand to sandy silt	SM to ML						
	35									25.6				10.8
			8'/10'				Same as above							
	40													
0945														
							Yellowish to reddish Brown silty clayey sand ~ 10% clay	SC				000		
	45									6.9				1.1

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Remarks:

Drilling Area Background (ppm): 0.0

Converted to Well: Yes ____ No ✓ Well I.D. #: ____

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: Saufley Site 4
PROJECT NUMBER: 112G00389
DRILLING COMPANY: ProSonic
DRILLING RIG: Sonic

BORING No.: OLFS4-SB4
DATE: 12-15-06
GEOLOGIST: Gary J. Davis
DRILLER: Mark McLean

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
									Asphalt Surf.				
		NA			Brown			SC					
	5												
									Dry				
											20	0	
	10		8'/10'					SC	10'	19.7			2.9
					Dark Reddish Brown				As Sample @ 12' bgs				
	15										0	0	
									Dry	27.2			13.3
	20		9'/10'		Mottled White to tan to yellowish to reddish Brown			SM to SC					
					Very Loose				Dry				
	25										0	0	

* When rock coring, enter rock brokeness.
** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

87.3 23.9

Drilling Area Background (ppm): 0.0

Remarks:

Converted to Well: Yes ____ No ✓ Well I.D. #: ____

1030
1055 - 6-16 -
1100 - 16-26 -

Tetra Tech NUS, Inc.

BORING LOG

4 Page 2 of 2

PROJECT NAME: Saufley Site 4
PROJECT NUMBER: 112G00389
DRILLING COMPANY: ProSonic
DRILLING RIG: Sonic

BORING No.: OLFS4-SB 4C3 ~~Stpp~~ dRdy 2pp
DATE: 12-15-06
GEOLOGIST: Gary J. Davis
DRILLER: Mark McKean

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**	
						Mottled	as above							
					Very loose	White to pinkish	silty sand to sandy silt	SM to ML	Dry					
1105-1110 26-36'	30													
	35										0	0	0	
										10.3				1.7
	40					Yellowish brown	silty clayey sand ~10% silt ~20% clay	SC						
	45								#1 As Sample 45'	28.4	0	0	0	9.5
							Term. 46'							

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): 0.0

Remarks:

Converted to Well: Yes ____ No ✓ Well I.D. #: ____

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: Saufley Site 4
PROJECT NUMBER: 112G00389
DRILLING COMPANY: ProSonic
DRILLING RIG: Sonic

BORING No.: OLF54-SB5
DATE: 12-15-06
GEOLOGIST: Gary J. Davis
DRILLER: Mark McLean

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**	
									Grass Surf					
		N/A			Loose	Brown	Silty clayey sand	SC						
	5								Dry					
			1'											
1130 6-16	10		6/						10' #1 (As) sample	2.6		000		0.0
			10'		Loose	Dark reddish Brown	Silty clayey sand	SC	Dry					
	15											000		
										14.2				11.0
1135 16-26	20		8/											
			10'						Dry					
	25											000		
										14.3				11.0

* When rock coring, enter rock brokeness.
** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): 0.0

Remarks:

Converted to Well: Yes _____ No ✓ Well I.D. #: _____

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: Saufley Site 4
PROJECT NUMBER: 112G00389
DRILLING COMPANY: ProSonic
DRILLING RIG: Sonic

BORING No.: OLFS4-SB5
DATE: 12-15-06
GEOLOGIST: Gary J. Davis
DRILLER: Mark McLean

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
							same as above	SC					
		NR					mottled yellowish to reddish to tan to white	SM TO SC					
	30		8'/10'				White to pinkish silty sand to sandy silt	SM TO ML					
	35										0	0	0
										26.9			
							Yellowish Brown silty clayey sand ~10% clay	SC					
	40												
	45								15' *(Rs) Sample		0	0	0
										24.7			

1140 26-36'

1145 36-46'

8.4

500

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): 0.0

Remarks:

Converted to Well: Yes ____ No ✓ Well I.D. #: ____

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: Saufley Site 4 | BORING No.: OLFS4-SB-6
PROJECT NUMBER: 112G00389 | DATE: 12-15-06
DRILLING COMPANY: ProSonic | GEOLOGIST: Gary J. Davis
DRILLING RIG: Sonic | DRILLER: Mark McLean

1300

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS*	Remarks	PID/FID Sample	Sampler BZ	Borehole**	Driller BZ**
									Grass Surf.				
					Brown			SC					
		NA			Loose								
									~~4-5'~~ Hyd		0	0	0
	5								# Sample	0.8			0.0
									Dry				
	10		6'/10'										
					Loose	Dark Reddish brown		SC	Dry				
	15								16' Sample		0	0	0
									#	22.9			12.4
					Very Loose	Mottled white to tan to Yellowish to Reddish Brown		SM to SC	Dry				
	20		8'/10'										
									Dry				
	25										0	0	0

1320, 6-16

1325, 16-26

* When rock coring, enter rock brokeness.
** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

3.1

Drilling Area Background (ppm): 0.0 (7.5)

Remarks: Fenced area behind Bldg 810E, Flammables Storage 836 Bldgs stained ground and Prisoner said "they pour bad stuff all the time!"

Converted to Well: Yes ____ No ✓ Well I.D. #: ____

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: Saufley Site 4
PROJECT NUMBER: 112G00389
DRILLING COMPANY: ProSonic
DRILLING RIG: Sonic

BORING No.: OLFS4-SB-6
DATE: 12-15-06
GEOLOGIST: Gary J. Davis
DRILLER: Mark McLean

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
1345		WH	5'				White-to lt.gray silty sand w/trace clay	SM	Dry				
26-31		7	5'							30.9			18.2
	30				3		Yellowish Brown silty clayey sand fine sand (~20 / ~30-40%)	SC	Saturated				
							Terminated @ 31'			34.5			16.3
	35												

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Remarks:

Drilling Area Background (ppm): 0.0

Converted to Well: Yes ____ No ✓ Well I.D. #: ____

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: Saufley Site 4
PROJECT NUMBER: 112G00389
DRILLING COMPANY: ProSonic
DRILLING RIG: Sonic

BORING No.: OLF54-SB-7
DATE: 12-15-06
GEOLOGIST: Gary J. Davis
DRILLER: Mark McLean

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
1350													
		NA			Brown								
	5												
					Dark Reddish Brown			SC	Dry		0	0	0
1410 6-16	10		4/4		Loose					3.5			1.2
			4.0'						12' *(As) Sample + SPLP				
	15								Dry		0	0	0
					Very Loose	Mottled		SM		43.2			17.7
						Terminated at 16'							

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): 0.0

Remarks:

Converted to Well: Yes ____ No ✓ Well I.D. #: ____

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: Saufley Site 4
PROJECT NUMBER: 112G00389
DRILLING COMPANY: ProSonic
DRILLING RIG: Sonic

BORING No.: OLF54-SB-8
DATE: 12-15-06
GEOLOGIST: Gary J. Davis
DRILLER: Mark McLean

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 5" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
									1430 Concrete surf				
									Post hole to 5'				
		NA	10%			Brown	silty clayey sand	SC					
	5												
									Dry				
						Dark Reddish brown		SC					
							silty clayey sand						
1440 5-16'	10		6'										
			10'						B' (AS) sample				
									Dry				
	15	V									0	0	0
										16.2			10.3

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): 0.0

Remarks:

Converted to Well: Yes ____ No ____ Well I.D. #: ____

Tetra Tech NUS, Inc.

BORING LOG

Page 1 of 1

PROJECT NAME: Saufley Site 4
PROJECT NUMBER: 112G00389
DRILLING COMPANY: M&W Drilling
DRILLING RIG: DPT Geoprobe 7730DT

BORING No.: OLF54-DP1-S Hyd
DATE: 9-6-06
GEOLOGIST: Gary J. Davis
DRILLER: Dana Agee

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/FL) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ**	Borehole**	Driller BZ**
		N/A				Brown to Lt. Brown			Grass Surf.				
			100%			Silty fine sand trace clay		SM	Brown to	0	0	0	0
			2						Lt. Brown	0			
			12/12		Loose		Dry Loose		Silty sand w/ trace clay	0	0	0	0
	5								fine sand	0			
			36/				Same as above			0	0	0	0
			60							0			
					Loose		except dark			0	0	0	0
1207	10						reddish brown			0			
							~5% clay						
										0	0	0	0
			48/				Same as above						
			60		Loose		damp			0	0	0	0
1215	15												
										0	0	0	0
			48/				Same as		Sample OLF54-DP1-				
			60		Loose		above moist		520	0	0	0	0
1220	20												
							Terminated at 20'						

W/ Charcoal Filter

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): 0

Remarks:

Converted to Well: Yes ____ No ✓ Well I.D. #: ____

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: Saufley Site 4
PROJECT NUMBER: 112G00389
DRILLING COMPANY: M&W Drilling
DRILLING RIG: DPT Geoprobe 7730 DT

BORING No.: OLFS4-DP2
DATE: 9-6-06
GEOLOGIST: Gary J. Davis
DRILLER: Dana Tighe

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
		NA				Brown	silt sand	SM	8-inch coreuk				
			10%		loose		w/ trace clay		Hand Aug to 4'	0			
			2				Dry - fine grained			0	0	0	0
										0			
	5		12/12"							0	0	0	0
										0			
			44"		Loose		Lt. Brown	SM		0	0	0	0
							same as above			0			
			60"							0			
1305					loose		Reddish Brown	SM		0	0	0	0
	10						sl. clay ~5%			0			
			48/		Loose		Same as above	SM		0	0	0	0
			60										
					11					0	0	0	0
1310	15												
			48/		loose		Same as above	SM		0	0	0	0
			60										
					7					0	0	0	0
								*	Sample OLFS4-DP2-520				
1315	20												
							Terminated at 20'						

W Filter

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): 0

Remarks:

Converted to Well: Yes ____ No ✓ Well I.D. #: ____

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: Saufley Site 4
PROJECT NUMBER: 112G00389
DRILLING COMPANY: M&W Drilling
DRILLING RIG: DPT Geoprobe 7730 DT

BORING No.: OLFS4-DP3
DATE: 9-6-06
GEOLOGIST: Gary J. Davis
DRILLER: Dana Agee

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 5" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
									Concrete Surf. Hand Augered to 4'	0			
		NA	100%		Loose	Brown to Lt. Brown		SM		0	0	0	0
			2				Silty sand w/			0			
					Loose		trace clay	SM		0	0	0	0
	5		2/2				Dry			0			
										0			
					Loose		Same as above			0			
			60/				damp	SM		0	0	0	0
										0			
			60		Loose	Dark Reddish Brown		SM		0	0	0	0
1520	10						sl. clay ~5%			0			
					Loose		Same as above	SM		0	0	0	0
			48/										
			60		Loose			SM		0	0	0	0
1525	15												
					Loose		Same as above	SM		0	0	0	0
			48/										
			60		Loose			SM	*Sample	0	0	0	0
1530	20								OLFS4-DP3-S20				
							Terminated @ 20'						

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Remarks: 1st hole hit something @ ~3.5' offset 4' West

Drilling Area Background (ppm): 0

Converted to Well: Yes ____ No ✓ Well I.D. #: ____

Tetra Tech NUS, Inc.

BORING LOG

Page 1 of 1

PROJECT NAME: Saufley Site 4
PROJECT NUMBER: 112G00389
DRILLING COMPANY: M&W Drilling
DRILLING RIG: DPT Geoprobe 7730 DT

BORING No.: OLFS4-DP4
DATE: 9-6-06
GEOLOGIST: Gary J. Davis
DRILLER: Dana Agee

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
									Grass Surface				
		NA	100%		Loose		Brown to Lt. Brown Silty fine sand w/ trace clay	SM	Hand Auger 4'	0			
										0	0	0	0
					Loose		Dry	SM		0			
	5		12/12							0	0	0	0
										0			
										0			
			36/		Loose		Same as above	SM		0	0	0	0
			60				damp			0			
										0			
1600	10									0	0	0	0
			48/		Loose			SM		0	0	0	0
			60				Dark Reddish Brown						
					Loose		same as above	SM		0	0	0	0
1615	15						Sl. clay ~ 3%						
			48/		Loose		Same as	SM		0	0	0	0
			60				above						
								SM	Sample	0	0	0	0
1620	20							X	OLFS4-DP4-S20				
							Terminated at 20'						

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): 0

Remarks:

Converted to Well: Yes ____ No ✓ Well I.D. #: ____

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: Saufley Site 4
PROJECT NUMBER: 112G00389
DRILLING COMPANY: M&W Drilling
DRILLING RIG: DPT Geoprobe 7730DT

BORING No.: OLFS4-DP5
DATE: 9-6-06
GEOLOGIST: Gary J. Davis
DRILLER: Dana Agee

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
						Brown to Lt Brown			Concrete Surf. Hand Auger to	0			
		NA	100%		Loose		silty sand w/	SM	A'	0	0	0	0
							trace clay			0			
			↓		Loose			SM		0	0	0	0
	5		12/12"							0			
										0			
			48/60"		Loose		Same as above	SM		0	0	0	0
										0			
					Loose			SM		0	0	0	0
	10									0			
							Same as above						
			48/60		Loose		changes to	SM		0	0	0	0
							Dark Reddish Brown						
					Loose		silty sand	SM		0	0	0	0
1720	15						Slight increase in clay content to 5-10%						
					Loose		Same as above	SM		0	0	0	0
					Loose		11	SM	* Sample	0	0	0	0
1730	20	↓											
							Terminated at 20'		OLFS4-DP5-S20				

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Remarks: _____

Drilling Area Background (ppm): 0

Converted to Well: Yes ____ No ✓ Well I.D. #: _____

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: Saufley Site 4
PROJECT NUMBER: 112G00389
DRILLING COMPANY: M&W Drilling
DRILLING RIG: DPT Geoprobe 7730DT

BORING No.: OLFS4-DP-6
DATE: 9-7-06
GEOLOGIST: Gary J. Davis
DRILLER: Dana Agee

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
		NA	100%			Brown to lt. Brown			Hand Augered to 4' Concrete Sand.	0			
					Loose		Silty sand tr. clay	SM		0	0	0	0
										0			
								SM		0	0	0	0
	5		12/12"							0			
										0			
			48/							0	0	0	0
								SM		0			
			60			DK	Reddish Brown			0	0	0	0
0825	10						Silty sand w/ 5-10% clay			0			
								SM		0	0	0	0
			48/										
							Same as above						
			60							0	0	0	0
	15							SM					
								SM		0	0	0	0
			48/				Same as above						
0845	20		60					*	Sample OLFS4-DP6-S20	0	0	0	0
							Terminated at 20'						

FH.

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): 0

Remarks:

Converted to Well: Yes ____ No ✓ Well I.D. #: ____

Tetra Tech NUS, Inc.

BORING LOG

Page 1 of 1

PROJECT NAME: Saufley Site 4
PROJECT NUMBER: 112G00389
DRILLING COMPANY: M&W Drilling
DRILLING RIG: DPT Geoprobe ~~7730~~ DT

BORING No.: OLFS4-DP7
DATE: 9-7-06
GEOLOGIST: Gary J. Davis
DRILLER: Dana Agee

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
										0			
		NA	60%			Brown to Lt. Brown		SM		0	0	0	0
			7		Loose		Silty sand w/			0			
			↓				trace clay			0	0	0	0
	5		12/12				Damp			0			
										0			
			48/							0	0	0	0
			60			DK	Reddish Brown	SM		0			
							Silty sand w			0	0	0	0
	10						~5% clay			0			
							Damp						
			48/							0	0	0	0
			60				Same as above	SM					
										0	0	0	0
	15												
										0	0	0	0
			48/				Same as above	SM					
			60							0	0	0	0
	20								* Sample				
							Terminated at		OLFS4-DP7-				
							20'		520				

0930

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): 0

Remarks: _____

Converted to Well: Yes _____ No ✓ Well I.D. #: _____

Tetra Tech NUS, Inc.

BORING LOG

Page 1 of 1

PROJECT NAME: Saufley Site 4
PROJECT NUMBER: 112G00389
DRILLING COMPANY: M&W Drilling
DRILLING RIG: DPT Geoprobe 7730DT

BORING No.: OLFS4-DP8
DATE: 9-7-06
GEOLOGIST: Gary J. Davis
DRILLER: Dana Agee

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
									Creek Surface				
		NA	100%		Loose	Brown to Lt. Brown		SM	Hand Augered to 4'	0			
							Silty sand w trace clay			0	0	0	0
	5		12/12					SM		0			
										0			
			48/							0	0	0	0
								SM		0			
			60				Dark Reddish Brown			0	0	0	0
	10						Silty sand w/ 5% clay	SM		0			
										0	0	0	0
			48/				Same as above	SM					
			60							0	0	0	0
	15												
										0	0	0	0
			48/					SM					
			66						* Samples OLFS4-DP8-	0	0	0	0
	20												
							Terminated at 20'		Plus S20 VOHs Metals & PCBs				

2100
0725
1025

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): 0

Remarks:

Converted to Well: Yes ____ No ✓ Well I.D. #: ____

Tetra Tech NUS, Inc.

BORING LOG

Page 1 of 1

PROJECT NAME: Saufley Site 4
PROJECT NUMBER: 112G00389
DRILLING COMPANY: M&W Drilling
DRILLING RIG: DPT Geoprobe 7730DT

BORING No.: OLFSA-DP89 Dup
DATE: 9-7-06
GEOLOGIST: Gary J. Davis
DRILLER: Dana Agee

7126

Sample No. and Type or RQD	Depth (FL) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/FL) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS*	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
						Brown to Lt. Brown			Concrete Surf. Hand Auger to 4'	0			
		NR	100%		Loose		silty sand w/ trace clay	SM		0	0	0	0
										0			
	5		12/12				Dry	SM		0	0	0	0
										0			
										0			
			48/			Orangish Brown		SM		0	0	0	0
							as above Damp			0			
			60			DK Reddish Brown		SM		0	0	0	0
	10						silty sand w/ ~5% clay			0			
								SM		0	0	0	0
			48/				Same as above						
			60										
	15							SM		0	0	0	0
			48/							0	0	0	0
			60					SM					
									Sample # OLFSA-DP89520	0	0	0	0
	20												
							Terminated at 20'		Plus Volts, Metals & PCBs				

1140

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): 0

Remarks:

Converted to Well: Yes ____ No ✓ Well I.D. #: ____

Tetra Tech NUS, Inc.

BORING LOG

Page 1 of 1

PROJECT NAME: Saufley Site 4
PROJECT NUMBER: 112G00389
DRILLING COMPANY: M&W Drilling
DRILLING RIG: DPT Geoprobe 7730DT

BORING No.: OLFS4-DP10
DATE: 9-7-06
GEOLOGIST: Gary J. Davis
DRILLER: Dana Agee

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
									Asphalt Surf.	0			
		NA	100%			Brown to Lt. Brown			Hand Auger 4'@0	0.5	0	0	0
					Loose		silty sand	SM		0			
							w/ trace clay			0	0	0	0
1520	5		12/12				Dry			0			
										0			
			48/			DK Reddish Brown		SM		0	0	0	0
			60				silty Sand w/			0			
	10						~5% clay	SM		0			
							Damp			0	0	0	0
			52/				Same as above	SM		0	0	0	0
			60							0	0	0	0
	15												
								SM					
										0	0	0	0
			52/										
1535	20		60			White to Buff silty sand			* Sample OLFS4-DP10-S20	0	0	0	0
							trace clay. fine-med. Grained						
							Damp						
						Terminated at 20'			Plus Volts Metals & PCBs				

BKG Reading

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): 0.3

Remarks: Loc. is approx 2' lower in elevation than previous borings.

Converted to Well: Yes _____ No ✓ Well I.D. #: _____

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: Saufley Site 4
PROJECT NUMBER: 112G00389
DRILLING COMPANY: M&W Drilling
DRILLING RIG: DPT Geoprobe 7730 DT

BORING No.: OLFS4-DP11
DATE: 9-7-06
GEOLOGIST: Gary J. Davis
DRILLER: Dana Agee

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
									Asphalt Surface				
		NA	100%		Loose	Brown to Lt. Brown	Silty sand w/ trace clay	SM	Hand Augered 4' fine grained	0	0	0	0
			↓				Dry	SM		0	0	0	0
	5		12/12							0			
										0			
								SM		0	0	0	0
			52/				Same as above.			0			
			60					SM		0	0	0	0
1600	10									0			
								SM		0	0	0	0
			44/										
			60				Dark Reddish Brown	SM		0	0	0	0
1610	15						Silty sand w/ ~5% clay						
							damp						
			52/					SM		0	0	0	0
			60										
1615	20		↓				Mottled White to Buff to reddish brown Silty sand - fine-med grained	SM	Sample OLFS4-DP11-S20	0	0	0	0
					Terminated at 20'								

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): 8.3

Remarks: Loc. Also ~2' lower in elevation than DP1-DP9

Converted to Well: Yes ____ No ✓ Well I.D. #: ____

Tetra Tech NUS, Inc.

BORING LOG

Page 1 of 1

PROJECT NAME: Saufley Site 4
PROJECT NUMBER: 112G00389
DRILLING COMPANY: M&W Drilling
DRILLING RIG: DPT Geoprobe 7730 DT

BORING No.: OLFS4 - DP12
DATE: 9-7-06
GEOLOGIST: Gary J. Davis
DRILLER: Dana Agee

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
		WA					Brown silty sand trace clay	SM	Grass Surf.	0			
					Loose		top 1' then			0	0	0	0
							Lt. Brown	SM		0			
							very fine silty sand			0	0	0	0
1635	5						Dry			0			
										0			
							Lt. Brown silty sand	SM		0	0	0	0
							trace clay fine sand			0			
							Damp	SM		0	0	0	0
1640	10									0			
								SM		0	0	0	0
							Dark Reddish brown						
							silty sand 25% clay	SM		0	0	0	0
1645	15												
							Same as above	SM		0	0	0	0
		V			V		Mottled white to Buff to reddish brown silty sand	SM	* sample OLFS4-DP12-S20	0	0	0	0
1650	20												
							Terminated at 20'		plus PPL Volts, Metals PCBs				

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): 8.3

Remarks:

Converted to Well: Yes ____ No ✓ Well I.D. #: ____

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: Saufley Site 4
PROJECT NUMBER: 112G00389
DRILLING COMPANY: M&W Drilling
DRILLING RIG: DPT Geoprobe 7730DT

BORING No.: OLFS4-DP13
DATE: 9-8-06
GEOLOGIST: Gary J. Davis
DRILLER: Dana Agee

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS*	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
									Concrete Surf.				
		NA.	100%			Brown to		SM	Hand Auger to 4'	0			
					Loose	Lt Brown	silty sand			0			
			↓				w/ trace clay	SM		0			
	5		12/12				fine grained sand			0			
							Dry			0			
			48/							0			
			/60					SM		0			
										0			
	10					DK Reddish Brown				0			
						90%	silty clay sand with	SM					
			52/				~5-10% clay			0			
							Damp						
			/60					SM		0			
	15												
							Same as above			0			
			52/										
			/60					SM					
									* Sample OLFS4-DP13-0-20	0			
0900	20												
							Terminated at 20'						
									Plus MS/MSD				

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Remarks: Our FID went out. Pine sending replacement. Screening with other field teams FID.

Drilling Area Background (ppm): 0

Converted to Well: Yes ____ No ✓ Well I.D. #: ____

Tetra Tech NUS, Inc.

BORING LOG

Page 1 of 1

PROJECT NAME: Saufley Site 4
PROJECT NUMBER: 112G00389
DRILLING COMPANY: M&W Drilling
DRILLING RIG: DPT Geoprobe 7730 DT

BORING No.: OLFS4-DP14
DATE: 9-8-06
GEOLOGIST: Gary J. Davis
DRILLER: Dana Agee

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS*	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
									Concrete Seal				
		NA	100%						Hand Auger	0			
					Loose	Brown to		SM	to 4'	0			
						Lt. Brown	Silty Sand			0			
							w/ trace Clay	SM		0			
	5		12/12				clay			0			
							fine grained sd			0			
			48/				Same as above			0			
								SM		0			
			60							0			
1000	10						damp			0			
			52/			DK	Reddish Brown	SM		0			
			60				Silty Sand w/ 25% clay			0			
	15						damp						
								SM	-	0			
			52/										
			60						Sample	0			
1015	20							*	OLFS4-DP14				
							Terminated at 20'		-S20				
									Plus PPL Volts meter, PCB				

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): 0

Remarks:

Converted to Well: Yes ____ No ✓ Well I.D. #: ____

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: Saufley Site 4
PROJECT NUMBER: 112G00389
DRILLING COMPANY: M&W Drilling
DRILLING RIG: DPT Geoprobe 7730 DT

BORING No.: OLFS4-DP-15
DATE: 9-8-06
GEOLOGIST: Gary J. Davis
DRILLER: Dana Agee

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
									Concrete Surf.				
		N/A	10/0		Loose		Brown to Lt. Brown silty sand w/ trace clay Dry	SM	Hand Auger to 4'	0			
										0			
										0			
	5		12/12					SM		0			
										0			
			4/0					SM		0			
										0			
			6/0					SM		0			
1100	10									0			
			4/6			DK	Reddish Brown silty sand w/ 2-5% clay Damp	SM		0			
			6/0							0			
1115	15												
			5/2					SM		0			
			6/0										
								*	Sample OLFS4-DP15-S20	0			
1120	20												
							Terminated at 20'						

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Remarks:

Drilling Area Background (ppm): 0

Converted to Well: Yes ____ No ✓ Well I.D. #: ____

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: Saufley Site 4
PROJECT NUMBER: 112G00389
DRILLING COMPANY: M&W Drilling
DRILLING RIG: DPT Geoprobe 7730DT

BORING No.: OLFS4-DPW-1
DATE: 9-8-06
GEOLOGIST: Gary J. Davis
DRILLER: Dana Agee

Sample No. and Type or RQD	Depth (FL) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS*	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
									Concrete Surf.				
		NA	100%		Loose	Brown to Lt. Brown	silty sand w/ trace clay	SM	Hand Augered to 4'	0			
	5		10/12				Dry			0			
										0			
			52/60				Same as above	SM		0			
	10					DK Reddish Brown				0			
							silty sand w ~5% clay	SM					
			48/60				damp						
1335	15							SM		0			
			48/60				Same as above						
	20							SM		0			
			52/60				Same as above						
	25									0			

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Remarks: _____

Drilling Area Background (ppm): 0

Converted to Well: Yes ____ No ✓ Well I.D. #: _____

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: Saufley Site 4
PROJECT NUMBER: 112G00389
DRILLING COMPANY: M&W Drilling
DRILLING RIG: DPT Geoprobe T730 DT

BORING No.: OLFS4-DPW-1 (2)
DATE: 9-8-06
GEOLOGIST: Gary J. Davis
DRILLER: Dana Azer

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS*	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
		NA					Mottled Yellowish brown loose to reddish brown to tan	SM					
							Tan to Buff white	SM	Gradational Color change over 1'				
	30						Silty sand w/ trace clay fine-med. grained "Beach Sand" w/ sl. ochre colored mottling (occassional)	SM		0			
	35									0			
							Same as above	SM					
	40									0			
							Same as above	SM	Soil Sample OLFS4-DPW-1 @ 45				
	45			▼					1530 Collecting sample 53-55	0			
							Saturated						
	50						Yellowish Brown Silty Clayey Sand fine grained sand	SC	~30% clay	0			
							Same as above		Screened 600 ppm 50-55				

1430
DTW 44.83 in MW26

*When rock coring, enter rock brokeness.
** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): 0

Remarks: TD 55

Converted to Well: Yes ____ No ✓ Well I.D. #:

Same unfiltered Sa methane

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: Saufley Site 4
PROJECT NUMBER: 112G00389
DRILLING COMPANY: M&W Drilling
DRILLING RIG: DPT Geoprobe 7730 DT

BORING No.: OLFS4-DPW2
DATE: 9-9-06
GEOLOGIST: Gary J. Davis
DRILLER: Dana Agee

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
									Concrete Surf				
									Hand Augered	0			
		NA	100%				Brown to Lt. Brown	SM	to 4'	0			
					Loose		silty sand w/			0			
							trace clay	SM		0			
	5		12/12				fine sand			0			
										0			
										0			
			52/							0			
			60			DK	Reddish Brown	SM		0			
							silty sand w/						
0800	10						~5% clay			0			
							Dry fine Sand						
			48/				Same as above	SM					
			60										
	15									0			
			48/										
			60				Same as above	SM					
	20									0			
			36/				Same as above						
			60				except mottled						
							Yellowish Brown to	SM					
0815	25						Reddish Brown			0			

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): 0

Remarks:

Converted to Well: Yes ____ No ✓ Well I.D. #: ____

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: Saufley Site 4
PROJECT NUMBER: 112G00389
DRILLING COMPANY: M&W Drilling
DRILLING RIG: DPT Geoprobe 7730 DT

BORING No.: OLFS4-DPW2
DATE: 9-9-06
GEOLOGIST: Gary J. Davis
DRILLER: Dana Agee

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS*	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
		NR											
			48/		loose	Tan to Buff White			Gradational Color change				
			60				silty Sand w/ trace clay	SM					
0820	30								f.w- med grained sand	0			
							some mottling of lt. ochre color						
			48/										
			60										
0825	35						same as above	SM		0			
			48/										
			60				same as above						
0830	40							SM		0			
			48/										
			60				same as above						
0840	45	V		V				SM		0			
			48/										
			60				49' yellowish to reddish brown silty clayey sand + 20-30% clay						
0845	50						Terminated at 50' BG			0			

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): 0

Remarks: _____

Converted to Well: Yes _____ No ✓ Well I.D. #: _____

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: Saufley Site 4
PROJECT NUMBER: 112G00389
DRILLING COMPANY: M&W Drilling
DRILLING RIG: DPT Geoprobe 7730DT

BORING No.: OLF54-DPW3
DATE: 9-9-06
GEOLOGIST: Gary J. Davis
DRILLER: Dana Agee

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
									Concrete Surf.				
		NA	100%		Loose		Brown to Lt. Brown	SM	Hand Augered to 4'	0			
							Silty sand w/			0			
0950			↓				trace clay			0			
	5		12/12				Dry			0			
										0			
			52/							0			
			60		DK		Reddish Brown	SM		0			
1000	10						Silty sand w.			0			
							approx 5% clay						
			44/				damp						
			60				Same as above						
1005	15									0			
			48/				Same as above						
			60					SM					
1010	20									0			
			48/				Same as above						
			60				except mottled						
							Yellowish to Reddish	SM					
1015	25						Brown			0			

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): 0

Remarks: _____

Converted to Well: Yes ____ No ✓ Well I.D. #: _____

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: Saufley Site 4
PROJECT NUMBER: 112G00389
DRILLING COMPANY: M&W Drilling
DRILLING RIG: DPT Geoprobe 7730DT

BORING No.: OLFS4-DPW3
DATE: 9-9-06
GEOLOGIST: Gary J. Davis
DRILLER: Dana Ilse

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS*	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
		N/A											
			46		loose		same as above	SM					
			60				Silty Sand ~5% clay			0			
1020	30												
							mottled yellowish to reddish brown to buff white damp						
			48										
			60					SM					
1030	35									0			
			48				Same as above,						
			60				but some mottling	SM					
1035	40						more tan to lt. gray			0			
				SM				SM					
	45									0			
				SC			Yellowish Brown ~~SM~~ SC						
							increasing clay content						
							to approx 20-30%						
							Saturated		34,519 ppm			33,574	
	50							SC					

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated response read.

1050 Remarks: terminated @ 55' - same as above

31,212 ppm
23,949
22,558

Drilling Area Background (ppm): 0

Converted to Well: Yes ____ No ✓ Well I.D. #: ____

1215 collected GW sample 53-55

Fill

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: Saufley Site 4
PROJECT NUMBER: 112G00389
DRILLING COMPANY: M&W Drilling
DRILLING RIG: DPT Geoprobe 7730DT

BORING No.: OLFS4-DPW4
DATE: 9-9-06
GEOLOGIST: Gary J. Davis
DRILLER: Dana Agee

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
									8" Concrete Surf.				
		NA	100%						Hand Augered to 4' w/ 10" oyster shell gravel				
					Loose	Brown to Lt. Brown	Silty sand w/ trace clay	SM		0			
1430										0			
	5		12/12				Dry	SM		0			
							Fine sand			0			
			48/					SM		0			
						DK	Reddish brown			0			
			60				silty sand w/ ~5% clay			0			
1435	10							SM		0			
							Dry fine sand						
			48/										
			60				Same as above	SM					
1440	15									0			
			52/				Same as above	SM					
			60										
1445	20									0			
							Same as above except mottled Yellowish brown to Reddish brown						
			50/										
			60										
1450	25									0			

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): 0

Remarks:

Converted to Well: Yes ____ No ✓ Well I.D. #: ____

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: Saufley Site 4
PROJECT NUMBER: 112G00389
DRILLING COMPANY: M&W Drilling
DRILLING RIG: DPT Geoprobe 7730DT

BORING No.: OLF54-DPW4
DATE: 9-9-06
GEOLOGIST: Gary J. Davis
DRILLER: Dana Agee

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
		NA.	54/60		Loose		Same as above	SM					
	30									0			
			44/60				Buff white to Reddish (pink) Silty sand w/ 2% clay	SM					
1505	35									0			
			48/60				Same as above						
	40						White buff silty fine sand	SM		0			
			54/60				fine-med grained sand Trace clay Mottled Yellowish to Reddish Brown	SM					
1515	45									0			
							Terminated at 45'						

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): 0

Remarks:

Converted to Well: Yes ____ No ✓ Well I.D. #: ____

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: Saufley Site 4
PROJECT NUMBER: 112G00389
DRILLING COMPANY: M&W Drilling
DRILLING RIG: DPT Geoprobe 7730 DT

BORING No.: OLF54-DPW5
DATE: 9-9-06
GEOLOGIST: Gary J. Davis
DRILLER: Dana Agee

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS*	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
									Concrete Surf.				
		NA	100%		Loose	Brown to Lt. Brown	Silty sand w/ trace clay, dry	SM	Hand Auger to 4'	0			
	5		12/12							0			
			5%				Same as above	SM		0			
	10		60							0			
			48%			DK Brown	Red. Silty sand w/ ~5% clay						
1620	15		60					SM		0			
			42%				Same as above damp						
1625	20		60					SM		0			
			44%				Same as above except mottled Yellowish to Reddish Brown						
1635	25		60					SM		0			

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): 0

Remarks:

Converted to Well: Yes ____ No ✓ Well I.D. #: ____

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: Saufley Site 4
PROJECT NUMBER: 112G00389
DRILLING COMPANY: M&W Drilling
DRILLING RIG: DPT Geoprobe 7730 DT

BORING No.: OLFS4-DPW5
DATE: 9-9-06
GEOLOGIST: Gary J. Davis
DRILLER: Dana Agee

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	MATERIAL DESCRIPTION: Color	MATERIAL DESCRIPTION: Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
		NA					Same as above	SM					
			48/										
			60		Loose	Buff	White to tan silty sand	SM					
	30						w/ trace clay			0			
			48/										
			60										
	35							SM		0			
			42/				Same as above except some light mottling yellowish to reddish brown						
			60										
1650	40							SM		0			
			48/				Same as above						
			60										
1700	45			▼				SM		0			
							Same as above	SM					
			54/				Yellowish brown silty clayey sand ~20-30% clay	SC	Saturated				
			60					SC					
1710	50									0			

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Remarks: Terminated at 55' same as above SC

Drilling Area Background (ppm): 0

Converted to Well: Yes ____ No ✓ Well I.D. #: ____

1755 collected GW sample 53-55'

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: Saufley Site 4
PROJECT NUMBER: 112G00389
DRILLING COMPANY: M&W Drilling
DRILLING RIG: DPT Geoprobe 7730DT

BORING No.: OLFS4-DPW6
DATE: 9-10-06
GEOLOGIST: Gary J. Davis
DRILLER: Dana Agee

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
		NA	100%						Concrete Surf. Hand Augered to	0			
					Loose	Brown to Lt. Brown		SM	4'	0			
							silty sand with			0			
							trace clay			0			
	5		12/12				fine sand			0			
							Dry			0			
							same as above			0			
			52/					SM		0			
			60							0			
	10									0			
0815								SM					
			36/				Mottled DK red to yellowish						
			60				Brown, ~5% clay	SM					
0820	15					DK	Red silty sand			0			
							w/ ~5% clay						
			46/				damp						
			60				Same as above	SM					
0822	20									0			
			48/				Same as above						
			60				except mottled yell-	SM					
0825	25						to reddish brown			0			

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): 0

Remarks:

Converted to Well: Yes ____ No ✓ Well I.D. #: ____

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: Saufley Site 4
PROJECT NUMBER: 112G00389
DRILLING COMPANY: M&W Drilling
DRILLING RIG: DPT Geoprobe 7730DT

BORING No.: QFSA-DPW6
DATE: 9-10-06
GEOLOGIST: Gary J. Davis
DRILLER: Dana Agee

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
		NA	52/ 60			lt	Same as above	SM	fine grained				
0830	30						Buff white to tan silty Sand w/ trace clay occassional lt ochre yellow mottling damp	SM	Gradational contact fine-med grained.	0			
			48/ 60				Same as above						
0845	35							SM		0			
			36/ 66										
0853	40						Same as above	SM		0			
							Same as above						
0900	45							SM		0			
							Terminated at 45'						

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): 0

Remarks:

Converted to Well: Yes ____ No ✓ Well I.D. #: ____

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: Saufley Site 4
PROJECT NUMBER: 112G00389
DRILLING COMPANY: M&W Drilling
DRILLING RIG: DPT Geoprobe 7730 DT

BORING No.: OLFSA-DPW8
DATE: 9-10-06
GEOLOGIST: Gary J. Davis
DRILLER: Dana Agee

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
									Concrete surf.				
		NA	10/8						Hand Augered to 4'	0			
					Loose	Brown to Lt. Brown	Silty sand w/ trace clay.	SM		0			
							Dry			0			
	5		8/12							0			
										0			
			5/4							0			
							Same as above	SM		0			
			60							0			
1005	10					Dk Reddish Brown				0			
							Silty sand w/ ~5% clay						
			5/4										
			60				damp						
1008	15							SM		0			
							Same as above						
			4/4										
			60										
	20							SM		0			
							Same as above except mottled yell- to reddish brown						
1013	25							SM		0			

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): 0

Remarks:

Converted to Well: Yes ____ No ✓ Well I.D. #: ____

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: Saufley Site 4
PROJECT NUMBER: 112G00389
DRILLING COMPANY: M&W Drilling
DRILLING RIG: DPT Geoprobe 7730 DT

BORING No.: OLF54-DPW8
DATE: 9-10-06
GEOLOGIST: Gary J. Davis
DRILLER: Dana Agee

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	MATERIAL DESCRIPTION: Color	MATERIAL DESCRIPTION: Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
		NA					Same as above	SM	gradational contact				
			48/60		loose	Lt tan to Buff White	Silty Sand with trace clay damp	SM		0			
1015	30												
			48/60				Same as above w/ occassional Lt Yellowish (ochre) to Lt. pinkish red mottling	SM		0			
1020	35												
			52/60				Same as above	SM		0			
1025	40												
			48/60		↓		Same as above	SM		0			
	45												

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): 0

Remarks:

Converted to Well: Yes ____ No ✓ Well I.D. #: ____

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: Saufley Site 4
PROJECT NUMBER: 112G00389
DRILLING COMPANY: M&W Drilling
DRILLING RIG: DPT Geoprobe 7730DT

BORING No.: OLFS4-DPW9
DATE: 9-10-06
GEOLOGIST: Gary J. Davis
DRILLER: Dana Agee

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
		NA	100%						Concrete surf. Hand Auger	0			
			/60		Loose	Brown to Lt. Brown		SM	to 4'	0			
							Silty sand w/			0			
			↓				trace clay			0			
	5		10/12				Dry	SM		0			
										0			
										0			
			42/				Same as above			0			
			/60					SM		0			
										0			
1245	10												
						DK	Reddish Brown						
							silty sand w/						
			48/				~5% clay						
			/60				clumps	SM					
1250	15									0			
			48/				Same as above	SM					
			/60										
	20									0			
							same as above						
			48/				except mottled						
			/60				red-reddish Brown						
1255	25							SM		0			

* When rock coring, enter rock brokeness.

** Include monitor reading in 5 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): 0

Remarks: _____

Converted to Well: Yes ____ No ✓ Well I.D. #: _____

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: Saufley Site 4
PROJECT NUMBER: 112G00389
DRILLING COMPANY: M&W Drilling
DRILLING RIG: DPT Geoprobe 7730DT

BORING No.: OLFS4-DPW9
DATE: 9-10-06
GEOLOGIST: Gary J. Davis
DRILLER: Dana Agee

Sample No. and Type or RQD	Depth (FL) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
							Same as above	SM	gradational				
		NA							contact				
			48/		Loose	Buff white to tan		SM					
			60				silty sand w/						
							trace clay						
	30									0			
							Same as above						
								SM					
	35									0			
							Same as above						
							except occasional						
							Lt. yellow (ochre) to						
1305	40						Reddish pink	SM		0			
							mottling.						
							Same as above						
1310	45			▼				SM		0			
							Yellowish brown	SC					
							silty clayey sand		Saturated				
							increasing clay content						
							downwards. 20-30%						
1315	50							SC		0			

* When rock coring, enter rock brokeness.
** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): 0

Remarks: ~~Terminated~~ at 55' same as above SC

Converted to Well: Yes ____ No ✓ Well I.D. #: ____

0ppm

RB01 off of Tubing and SS Bowl 1350

1405 GW + Duplicate DUP02 OLFS4-DPW9-G53-55

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: Saufley Site 4
PROJECT NUMBER: 112G00389
DRILLING COMPANY: M&W Drilling
DRILLING RIG: DPT Geoprobe 7730DT

BORING No.: OLF54-DPW-10
DATE: ~~9-10-06~~ 9-11-06
GEOLOGIST: Gary D. Davis
DRILLER: Dana Agee

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS*	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
									Concrete Surf.				
		N/A	10%						Hand Augered to 1'	0			
					Loose	Brown to Lt. Brown	Silty sand w/ trace clay	SM		0			
										0			
	5		8/12				Dry			0			
										0			
			4%							0			
							Same as above	SM		0			
			60							0			
	10									0			
								SM					
						DK Reddish Brown		SM					
			4%				Silty sand w/ 25% clay						
0805			60										
	15						damp			0			
			5%				Same as above	SM					
			60										
	20									0			
			4%				Same as above except mottled yellowish brown						
			60					SM					
0810	25									0			

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): 0

Remarks:

Converted to Well: Yes ____ No ✓ Well I.D. #: ____

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: Saufley Site 4
PROJECT NUMBER: 112G00389
DRILLING COMPANY: M&W Drilling
DRILLING RIG: DPT Geoprobe 7730 DT

BORING No.: OLF54-DPW-10
DATE: 9-11-06
GEOLOGIST: Gary J. Davis
DRILLER: Dana Agle

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
		NR											
			48/				same as above	SM					
			60		Loose								
0815	30						White to buff white to tan silty sand w/ trace clay fine-med grained sand	SM	Gradational contact	0			
			48/										
			60										
0820	35						same as above some mottling yellow (ochre) to reddish pink	SM		0			
			48/										
			60										
	40									0			
			48/				same as above	SM					
			60						* Sample OLF54-DPW10-545	0			
0830	45												

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): 0

Remarks:

Converted to Well: Yes ____ No ✓ Well I.D. #: ____

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: Saufley Site 4
PROJECT NUMBER: 112G00389
DRILLING COMPANY: M&W Drilling
DRILLING RIG: DPT Geoprobe 7730 DT

BORING No.: OLFS-4-DPW-11
DATE: 9-11-06
GEOLOGIST: Gary J. Davis
DRILLER:

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
									Concrete Surf.				
		NR	10/0						Hand Auger to 2'	0			
					Loose		Brown to Lt Brown silty sand w/ trace clay Dry	SM	Auger to 4'	0	0	0	0
	5		8/12							0	0	0	0
										0			
			48/							0			
			60				Same as above	SM		0	0	0	0
	10									0			
			48/				DK. Reddish Brown silty sand w/ ~5% clay	SM					
			60										
	15									0	0	0	0
			48/				Same as above	SM					
			60										
	20									0	0	0	0
			48/				Same as above except mottled yell-redish brown						
			60			10		SM					
	25									0	0	0	0

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): 2.0

Remarks:

Converted to Well: Yes ____ No ✓ Well I.D. #: ____

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: Saufley Site 4
PROJECT NUMBER: 112G00389
DRILLING COMPANY: M&W Drilling
DRILLING RIG: DPT Geoprobe 7730 DT

BORING No.: OLFS4-DPW11
DATE: 9-11-06
GEOLOGIST: Gary J. Davis
DRILLER: Dana Agee

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
		NR	48/60		Loose		Same as above	SM					
	30						White to Buff White to Tan silty sand w/ trace clay fine-med grained sand			0	0	0	0
			48/60										
	35									0	0	0	0
			48/60				Same as above w/ some mottling yellow to Reddish pink			11.6			Flt. 7.6
	40										0	0	0
			48/60				Same as above		Sample * OLFS4-DPW11	12.1			3.0
1000	45						Yellowish Brown silty clayey sand	SC-SM	Plus SPLP		0	0	0
			48/60										
	50									28.6			3.0
1015	55		48/60						GW OLFS4-DPW11-G 53-55 1045	7.3			7.1

* When rock coring, enter rock brokeness.
** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): 0.0

Remarks: TD 55' set Screen 53-55 Same as above SC

Converted to Well: Yes ( ) No (✓) Well I.D. #:

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: Saufley Site 4 — BORING No.: OLF54 - DPW 7
PROJECT NUMBER: 112G00389 — DATE: 9-11-06
DRILLING COMPANY: M&W Drilling — GEOLOGIST: Gary J. Davis
DRILLING RIG: DPT Geoprobe 7730 DT — DRILLER: Dana Agee

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
									Concrete Surf.				
		NA			Concrete			SM	Hand Auger w/ Ext would not work angle of collapse Pushed Slow		0	0	0
			No Rec		Rock		jammed end of Sampler						
	5												
					Loose	Brown to Lt. Brown				0			
			48/				Silty sand trace clay			0			
			60					SM		0	0	0	0
							Dry			0			
	10												
						DK. Reddish Brown							
			48/				Silty sand w/	SM					
			60				~5% clay						
	15									0	0	0	0
							damp						
			48/										
			60				Same as above	SM					
1345	20									0	0	0	0
			48/				Same as above except mottled reddish to yellowish (Ochre)	SM					
			60										
	25									0	0	0	0

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): 8.6

Remarks:

Converted to Well: Yes ____ No ✓ Well I.D. #: ____

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: Saufley Site 4
PROJECT NUMBER: 112G00389
DRILLING COMPANY: M&W Drilling
DRILLING RIG: DPT Geoprobe 7730 DT

BORING No.: OLF54-DPW7
DATE: 9-11-06
GEOLOGIST: Gary J. Davis
DRILLER: Dana Kyle

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
							same as above	SM	gradational contact				
		NA	48/60		loose		Mottled Reddish Brown to Yellowish Brown to Buff white to tan silty sand w/ trace clay	SM					
	30									0	0	0	0
1355	35		48/60				same as above except more tan	SM		0	0	0	0
	40		48/60				same as above	SM		0	0	0	0
1410	45		48/60				same as above	SM	Sample OLF54-DPW7--S45	0	0	0	0
			52/60				Yellowish brown (colw) silty clayey sand	SC					
1415	50							SC		0	0	0	0

* When rock coring, enter rock brokeness.
** Include monitoring reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Remarks:

Drilling Area Background (ppm): 0 to 8.6

Converted to Well: Yes ____ No ✓ Well I.D. #: ____

55 TD 55' same as above SC
1500 GW OLF54-DPW7-G 53-55

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: Saufley Site 4
PROJECT NUMBER: 112G00389
DRILLING COMPANY: M&W Drilling
DRILLING RIG: DPT Geoprobe 7730DT

BORING No.: OLFS4-DPW12
DATE: 9-11-06
GEOLOGIST: Gary J. Davis
DRILLER: Dana Agee

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
									Concrete Surf.				
									Hand Auger	0			
		NA	100%		Loose		Brown to Lt. Brown	SM	to 4'	0	0	0	0
			↓				silty sand			0			
							w/ trace clay			0	0	0	0
	5		8/12				Dry			0			
										0			
			48/				Same as above	SM		0	0	0	0
			60							0			
										0			
	10						Damp			0	0	0	0
1610													
							Same as above	SM					
	15					DK	Reddish Brown	SM		0	0	0	0
							silty sand w/ ~5% clay						
							Damp						
								SM					
1615	20									0	0	0	0
							Same as above except mottled yell to reddish brown	SM					
	25									0	0	0	0

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): 0

Remarks: _____

Converted to Well: Yes _____ No ✓ Well I.D. #: _____

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: Saufley Site 4 — BORING No.: OLFS4-DPW12
PROJECT NUMBER: 112G00389 — DATE: 9-11-06
DRILLING COMPANY: M&W Drilling — GEOLOGIST: Gary J. Davis
DRILLING RIG: DPT beeprobe 7730DT — DRILLER: Dana Agel

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
		NA	48/60		loose		Same as above	SM					
	30									0	0	0	0
1620			40/60				Mottled Light Buff Wht to Reddish to Yellowish Brown trace clay	SM					
1625	35									0	0	0	0
			44/60				Mottled as above to A3'						
							Then Buff white to tan						
1630	40							SM		7.9	0	0	5.9
			48/60				Same as above	SM	very faint Odor				
							Yellowish Brown SC	SC	Sample OLFS4-DPW12	3.9			0
1635	45						silty clayey sand 2%				0	0	0
							Terminated at 45'		-545				
							10-20% clay						
	50												
	55												

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): 0

Remarks:

Converted to Well: Yes ____ No ✓ Well I.D. #: ____

Tetra Tech NUS, Inc.

BORING LOG

Page 1 of 1

PROJECT NAME: Saufley Site 4
PROJECT NUMBER: 112G00389
DRILLING COMPANY: M&W Drilling
DRILLING RIG: DPT

BORING No.: OLF34-DPB1-S10
DATE: 9-12-06
GEOLOGIST: Gary J. Davis
DRILLER: David Duncan

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	MATERIAL DESCRIPTION: Color	MATERIAL DESCRIPTION: Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
		NA				Brown to Lt. Brown							
			48/60		loose		silty sand trace clay fine grained dry	SM		0	0	0	0
	5									0	0	0	0
			48/60				damp			0	0	0	0
	10									0	0	0	0
							Terminated at 10'						

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): 0.0

Remarks:

Converted to Well: Yes ____ No ✓ Well I.D. #: ____

Tetra Tech NUS, Inc.

BORING LOG

Page 1 of 1

PROJECT NAME: Saufley Site 4
PROJECT NUMBER: 112G00389
DRILLING COMPANY: M&W Drilling
DRILLING RIG: DPT

BORING No.: OLFS4-DPB2-S10
DATE: 9-12-06
GEOLOGIST: Gary J. Davis
DRILLER: David Duncan

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
		NA				Brown to Lt. Brown							
			4@/60		Loose		silty sand trace clay fine grained dry	SM		0	0	0	0
	5									0	0	0	0
			4@/60				damp			0	0	0	0
	10									0	0	0	0
							Terminated at 10'						

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Remarks:

Drilling Area Background (ppm): 0.0

Converted to Well: Yes ____ No ✓ Well I.D. #: ____

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: Saufley Site 4
PROJECT NUMBER: 112G00389
DRILLING COMPANY: M&W Drilling
DRILLING RIG: DPT

BORING No.: OLFS4-DPB3-S1D
DATE: 9-12-06
GEOLOGIST: Gary J. Davis
DRILLER: David Duncan

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	MATERIAL DESCRIPTION: Color	MATERIAL DESCRIPTION: Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
						Brown to Lt. Brown							
		NR	46/60		loose		silty sand trace clay	SM		0	0	0	0
	5						fine grained. dry			0	0	0	0
			48/60				damp			0	0	0	0
	10									0	0	0	0

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): 0.0

Remarks:

Converted to Well: Yes ____ No ✓ Well I.D. #: ____

Tetra Tech NUS, Inc.

BORING LOG

Page 1 of 1

PROJECT NAME: Saufley Site 4
PROJECT NUMBER: 112G00389
DRILLING COMPANY: M&W Drilling
DRILLING RIG: ~~DPT~~ Hand Auger

BORING No.: OLF54-DPB4-S10
DATE: 9-12-06
GEOLOGIST: Gary J. Davis
DRILLER: David Duncan

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
		NA	100%		Loose	Brown to lt. Brown	Silty Sand fine grained dry	SM		0	0	0	0
	5									0	0	0	0
										0	0	0	0
	10						damp			0	0	0	0
							Terminated at 10'						

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): 0.0

Remarks:

Converted to Well: Yes ____ No ✓ Well I.D. #: ____

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: Saufley Site 4
PROJECT NUMBER: 112G00389
DRILLING COMPANY: M&W Drilling
DRILLING RIG: DPT Hyd Hammer

BORING No.: OLF54-DPB5-S10
DATE: 9-12-06
GEOLOGIST: Gary J. Davis
DRILLER: David Duncan

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
						Brown to Lt. Brown							
		NA	100%		Loose		Silty sand w/ trace clay fine grained	SM		0	0	0	0
	5						dry			0	0	0	0
										0	0	0	0
	10						damp			0	0	0	0

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Remarks:

Drilling Area Background (ppm): 0.0

Converted to Well: Yes ____ No ✓ Well I.D. #: ____

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: Saufley Site 4
PROJECT NUMBER: 112G00389
DRILLING COMPANY: M&W Drilling
DRILLING RIG: DPT Hand Auger

BORING No.: OLFS4-DPB6-S10
DATE: 9-12-06
GEOLOGIST: Gary J. Davis
DRILLER: David Duncan

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
		NA	100%		Loose		Brown to Lt Brown silty sand w/ trace clay Fine grained dry	SM		0	0	0	0
	5									0	0	0	0
										0	0	0	0
	10						damp			0	0	0	0

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): 0.0

Remarks:

Converted to Well: Yes ____ No ✓ Well I.D. #: ____

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: Saufley Site 4
PROJECT NUMBER: 112G00389
DRILLING COMPANY: M&W Drilling
DRILLING RIG: DPT Hand Auger

BORING No.: OLFSA-DPB7-S10
DATE: 9-12-06
GEOLOGIST: Gary J. Davis
DRILLER: David Duncan

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	MATERIAL DESCRIPTION: Color	MATERIAL DESCRIPTION: Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
		NA	100%		Loose		Brown to Lt. Brown silty sand w/ trace clay fine grained	SM		0	0	0	0
	5						dry			0	0	0	0
										0	0	0	0
	10						damp			0	0	0	0
							Terminated at 10'						

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): 0.0

Remarks:

Converted to Well: Yes ____ No ✓ Well I.D. #: ____

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: Saufley Site 4
PROJECT NUMBER: 112G00389
DRILLING COMPANY: M&W Drilling
DRILLING RIG: ~~DPT~~ HSA Hand Auger

BORING No.: DLFSA-DPB8-S10
DATE: 9-12-06
GEOLOGIST: Gary J. Davis
DRILLER: David Duncan

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
		NA	100%		loose	Brown to Lt. Brown	Silty Sand w/ trace clay fine grained	SM		0	0	0	0
	5						dry			0	0	0	0
										0	0	0	0
	10						damp			0	0	0	0

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): 0.0

Remarks:

Converted to Well: Yes ____ No ✓ Well I.D. #: ____

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: Saufley Site 4
PROJECT NUMBER: 112G00389
DRILLING COMPANY: M&W Drilling
DRILLING RIG: DPT

BORING No.: OLFS4-DPB9-S10
DATE: 9-12-06
GEOLOGIST: Gary J. Davis
DRILLER: David Duncan

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
		NA	100%		Loose	Brown to Lt Brown	silty sand w/ trace clay fine grained dry	SM		0	0	0	0
	5									0	0	0	0
										0	0	0	0
	10						damp			0	0	0	0

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): 0.0

Remarks:

Converted to Well: Yes ____ No ✓ Well I.D. #: ____

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: Saufley Site 4
PROJECT NUMBER: 112G00389
DRILLING COMPANY: M&W Drilling
DRILLING RIG: DPT GMD Hand Auger

BORING No.: OLF34-DPB10-S10
DATE: 9-12-06
GEOLOGIST: Gary J. Davis
DRILLER: David Duncan

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	MATERIAL DESCRIPTION: Color	MATERIAL DESCRIPTION: Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
		NA	100%		Loose	Brown to Lt. Brown	silty sand w/ trace clay fine grained dry	SM		0	0	0	0
	5									0	0	0	0
										0	0	0	0
	10						damp			0	0	0	0

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): 0.0

Remarks:

Converted to Well: Yes ____ No ✓ Well I.D. #: ____

Tetra Tech NUS, Inc.

BORING LOG

Page ___ of ___

PROJECT NAME:
PROJECT NUMBER:
DRILLING COMPANY:
DRILLING RIG:

BORING NUMBER: OLFS 4 - 16 DP
DATE: 9-6-06
GEOLOGIST: C. Odom
DRILLER: Dave

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample Jar Headspace	Sample Jar Headspace BZ	Borehole**	Driller BZ**
	0-6"						grey silty sand			0.0			
							~~lt brn silty sand~~						
	6"-2'						lt brn silty sand	SM		0.0			
	2'-4'						lt brn-red silty sand			0.0			
	4'-6'						red silty sand			0.0			
	6'-8'						red sandy clay						
	8'-10'						red sandy clay			0.0			
	13'-15'						red sandy clay						
	17'-20'						red/white silty sand						

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): ☐

Remarks:

Converted to Well: Yes _____ No _____ Well I.D. #: _____

Tetra Tech NUS, Inc.

BORING LOG

Page ___ of ___

PROJECT NAME: RI site 4
PROJECT NUMBER:
DRILLING COMPANY: mtw
DRILLING RIG:

BORING NUMBER: OLF54-DP17
DATE: 9-6-06
GEOLOGIST: Dolan
DRILLER: Dave

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
	0-6"						gry silty sand			0.0			
	6"-2'						ltbrn silty sand			0.0			
	2'-4'						dk brn silty sand			0.0			
	4-8						red silty sand		4-6	0.0			
									6-8	0.0			
	8-12			sand @ 10'			red silty sand / red sandy clay		8-10	0.0			
									10-12	0.0			
	12-16						red sandy clay		12-14	0.0			
									14-16	0.0			
	16-20						red sandy clay / red silty sand		16-18	0.0			
									18-20	0.0			

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): ____

Remarks: ____

Converted to Well: Yes ____ No ____ Well I.D. #: ____

Tetra Tech NUS, Inc.

BORING LOG

Page ___ of ___

DP

PROJECT NAME: site 4 RI Sawtelle
PROJECT NUMBER:
DRILLING COMPANY: M&W
DRILLING RIG:

BORING NUMBER: OLFS4-18-S6
DATE: 9-6-06
GEOLOGIST: J. Dan
DRILLER: Dave

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	MATERIAL DESCRIPTION: Color	MATERIAL DESCRIPTION: Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ**	Borehole**	Driller BZ**
	0-6"						lt brn silty sand			0.0			
	6"-2'						lt brn silty sand			0.0			
	2'-4'						brn silty sand						
	4'-8'						brn-red silty sand		1300 ppm 4'-6'	130	0.0		
									6'-8'	0.0			
	8'-12'			sand clay gravel			red silty sand / red sandy clay		8'-10'	0.0			
									10-12'	0.0			
	12-16						red silty sand		12-14	0.0			
									14-16	0.0			
	16-20								16-18	0.0			
							red silty sand		18-20	0.0			

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): ____

Remarks: _____

Converted to Well: Yes ____ No ____ Well I.D. #: _____

Tetra Tech NUS, Inc.

BORING LOG

Page ___ of ___ DP

PROJECT NAME: Site 4 RI Safety
PROJECT NUMBER:
DRILLING COMPANY: M+W
DRILLING RIG:

BORING NUMBER: OLFS4-19
DATE: 9-6-05
GEOLOGIST: C. Dale
DRILLER: Dave

Sample No. and Type or RQD	Depth (FL) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/FL) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
	0-6"						lt brn s:lty sand			0.0			
	6'-2'						lt brn s:lty sand			0.0			
	2-4'						brn s:lty sand			0.0			
	4'-6'						brn s:lty sand			0.0			
	6'-8'						brn s:lty sand			0.0			
	8'-10'						brn s:lty sand			0.0			
	10'-12'						brn s:lty sand			0.0			
	12'-14'			more clay @ 12'			red s:lty sand		minor clay	0.0			
	14'-16'						red s:lty sand		minor clay	0.0			
	16'-18'						red s:lty sand		minor clay	0.0			
	18'-20'						red s:lty sand		minor clay	0.0			

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): ____

Remarks: _____

Converted to Well: Yes ____ No ____ Well I.D. #: _____

Tetra Tech NUS, Inc.

BORING LOG

Page ___ of ___

PROJECT NAME: RI site 4 Sawhey
PROJECT NUMBER:
DRILLING COMPANY: MTW
DRILLING RIG:

BORING NUMBER: OLFS4-DPT-20 DP
DATE: 9-7-06
GEOLOGIST: C. Dorr
DRILLER: Dave Duncan

Sample No. and Type or RQD	Depth (FL) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/FL) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
	0-6'						lt brn silty sand			0.0			
	6"-2'						brn silty sand			0.0			
	2'-4'						brn silty sand			0.0		0.0	0.0
	4-6						red brn silty sand			0.0			
	6-8						reddish brn silty sand			0.0			
	8'-10'						red silty sand			0.0			
	10'-12'						red [illegible] sand			0.0			
	12-14						red clayey sand			0.0			
	14-16						red clayey (coarse) sand			0.0			
	16-18						red clayey (coarse) sand			0.0			
	18-20						red/white fine sand			0.0			

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): ☐

Remarks: _____

Converted to Well: Yes _____ No _____ Well I.D. #: _____

Tetra Tech NUS, Inc.

BORING LOG

Page ___ of ___

PROJECT NAME: site 4 RI Saufley
PROJECT NUMBER:
DRILLING COMPANY: M+W
DRILLING RIG:

BORING NUMBER: OLFS4-DP21
DATE: 9-7-06
GEOLOGIST: C. Ortt
DRILLER: Dave Duncan

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	MATERIAL DESCRIPTION: Color	MATERIAL DESCRIPTION: Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
	0-6"					brn	silty fine sand			0.0			
	6"-2'					brn	silty fine sand			0.0			
	2'-4'					brn	silty fine sand			0.0		0.0	0.0
	4'-6'					brn	silty fine sand			0.0			
	6'-8'					red	silty fine sand			0.0			
	8'-10'					red	silty fine sand			0.0			
	10'-12'					red	clayey fine sand			0.0			
	12'-14'					red	clayey fine sand			0.0			
	14'-16'					red	clayey fine sand			0.0			
	16'-18'					red	silty fine sand			0.0			
	18'-20'					red	silty fine sand			0.0			

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): ____

Remarks: ____

Converted to Well: Yes ____ No ____ Well I.D. #: ____

Tetra Tech NUS, Inc.

BORING LOG

Page ___ of ___

PROJECT NAME: _____ BORING NUMBER: OLF4-DP22
PROJECT NUMBER: _____ DATE: _____
DRILLING COMPANY: _____ GEOLOGIST: C. Odom
DRILLING RIG: _____ DRILLER: _____

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	MATERIAL DESCRIPTION: Color	MATERIAL DESCRIPTION: Material Classification	USCS*	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
	0-6"					brn	clayey silty fine sand			0.0			
	6"-2'					brn	silty fine sand			0.0			
	2'-4'					red	silty fine sand			0.0		0.0	0.0
	4-6					red	silty fine sand			0.0			
	6-8					red	silty fine sand			0.0			
	8-10					red	silty fine sand			3.5			
	10-12					red	silty fine sand			0.0			
	12-14					red	silty fine sand			2.0			
	14-16					red	silty fine sand		ON 12K				silt 2.5
	16-18					red	silty fine sand		ON 55.5				silt 18.5
	18-20					red	silty fine sand		ON 12.9				silt 5.1
	20-22					pink	fine sand			0.0			
	22-24					white	fine sand			0.0			

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): ☐

Remarks: _____

Converted to Well: Yes ____ No ____ Well I.D. #: _____

Tetra Tech NUS, Inc.

BORING LOG

Page ___ of ___

PROJECT NAME: SFY 1R 4
PROJECT NUMBER: CTO370
DRILLING COMPANY: MPW
DRILLING RIG: 6610 Geoprobe
BORING NUMBER: NLFS4-DP23
DATE: 4-7-06
GEOLOGIST: L. DOSEN
DRILLER: D Duncan

Sample No. and Type or RQD	Depth (FL) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS*	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
	0-6"						brn FS w/Fine Grave			0.0			0.0
	6"-2'						brn Silty Sand			0.0			
	2-4'						red brn Silty Sand			0.0			0.0
	4-6						rd brn Silty FS			0.0			0.0
	6-8						↓			0.0			0.0
	8-10						rd brown Silty FS w/clay			0.0			
	10-12						Same			0.0			
	12-14						Same			0.0			
	14-16						Red FS w/Silt (no clay)			0.0			0.0
	16-18						RD FS / offwhite FS			0.0			
	18-20						OFFwhite/orange FS			0.0			0.0

F.I.H

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): ____

Remarks: _____

Converted to Well: Yes ____ No ____ Well I.D. #: _____

Tetra Tech NUS, Inc.

BORING LOG

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PROJECT NAME: site 4 RI Saltley
PROJECT NUMBER:
DRILLING COMPANY: NUS
DRILLING RIG:

BORING NUMBER: OLFS4-DP24
DATE: 9-7-06
GEOLOGIST: Cooper
DRILLER: Dave Duncan

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	MATERIAL DESCRIPTION: Color	MATERIAL DESCRIPTION: Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**	
	0-6"					brn	silty fine sand			0.0				
	6"-2'					brn	silty fine sand			0.0				
	2'-4'					brn	silty fine sand			0.0				
	4'-6'					brn	silty fine sand			25.5				Filt 0.0 150 PPM odor
	6'-8'					red	silty clayey fine sand			33.7				0.0
	8'-10'					red	silty clayey fine sand			0.0				
	10'-12'					red	silty clayey fine sand			22				
	12'-14'					red	silty clayey fine sand			20				Filt 0.0
	14'-16'					red	silty clayey fine sand			0.0				
	16'-18'					red	silty fine sand			44.0				filt 0.0
	18-20					pink	silty fine sand			0.0				
	20-22					pink	silty fine sand							
	22-24					pink	silty fine sand							

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): ____

Remarks: ____

Converted to Well: Yes ____ No ____ Well I.D. #: ____

Tetra Tech NUS, Inc.

BORING LOG

Page ___ of ___

PROJECT NAME: site 4 RI Saufley
PROJECT NUMBER:
DRILLING COMPANY: mtw
DRILLING RIG:

BORING NUMBER: DLFS4-DP25-
DATE: 9-8-05
GEOLOGIST: Cadon
DRILLER: Joe Duncan

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
	0-6"					brn	silty fine sand			0.0			
	6"-2'					brn	silty fine sand			0.0			
	2'-4'					brn	silty fine sand			0.0			
	4'-6'					red	silty fine sand			0.0			
	6'-8'					red	silty fine sand			0.0			
	8'-10'					red	silty clayey fine sand			0.0			
	10'-12'					red	clayey fine sand			0.0			
	12'-14'					red	clayey fine sand			0.0			
	14'-16'					red	clayey fine sand			0.0			
	16'-18'					red	silty clayey fine sand						
	18'-20'					white	fine sand						

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): ☐

Remarks: _____

Converted to Well: Yes ____ No ____ Well I.D. #: _____

Tetra Tech NUS, Inc.

BORING LOG

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PROJECT NAME: RI @ Site 4 Seattle
PROJECT NUMBER:
DRILLING COMPANY: NEW
DRILLING RIG:
BORING NUMBER: OLFS4-DP26-
DATE: 9-8-06
GEOLOGIST: Codr
DRILLER: Dave Dunca

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	MATERIAL DESCRIPTION: Color	MATERIAL DESCRIPTION: Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
	0-6"					brn	silty fine sand			0.0			
										0.0			
	6"-2'					brn	silty fine sand			0.0			
	2'-4'					brn	silty fine sand			0.0			
	4'-6'					brn	silty fine sand			13.9			
	6'-8'					brn	silty fine sand			0.0			
	8'-10'					red	silty fine sand			0.0			
	10'-12'					red	silty clayey fine sand			0.0			
	12-14					red	silty clayey fine sand						
	14-16					red	silty clayey fine sand						
	16-18					red	silty clayey fine sand						
	18-20					red	silty fine sand						

FILL 0.0

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): ____

Remarks: ____

Converted to Well: Yes ____ No ____ Well I.D. #: ____

Tetra Tech NUS, Inc.

BORING LOG

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PROJECT NAME: RI @ site 4 sa-flg
PROJECT NUMBER:
DRILLING COMPANY: M+W
DRILLING RIG:

BORING NUMBER: SA-FS4-VP27
DATE: 9-8-06
GEOLOGIST: C. Oxley
DRILLER: Dave Duncan

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	MATERIAL DESCRIPTION: Color	MATERIAL DESCRIPTION: Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
	0-6"					brn	loamy fine sand			0.0			
	6"-2'					brn	loamy silty fine sand w/rock & (gravel)			0.0			
	2'-4'					brn	silty clayey fine sand			0.0		0.0	0.0
	4-6					brn	silty clayey fine sand			0.0			
	6-8					brn	silty fine sand			0.0			
	8-10					red	silty fine sand			0.0			
	10-12					red	silty clayey fine sand			0.0			
	12-14					red	clayey fine sand			0.0			
	14-16					red	clayey fine sand			0.0			
	16-18					red	clayey fine sand			0.0			
	(18-20)					red	silty clayey fine sand			0.0			

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): ____

Remarks: _____

Converted to Well: Yes ____ No ____ Well I.D. #: _____

Tetra Tech NUS, Inc.

BORING LOG

Page ___ of ___

PROJECT NAME: Chesty Sawfley
PROJECT NUMBER:
DRILLING COMPANY: NEW
DRILLING RIG:

BORING NUMBER: NLFBSY-0028
DATE: 9-8-06
GEOLOGIST: C. Cater
DRILLER: Dave Dunca

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
	0-6"					red	silty fine sand			0.0			
	6"-2'					red	silty fine sand			0.0			
	2'-4'					brn	silty fine sand			0.0		0.0	0.0
	4'-6'					red	silty fine sand			0.0			
	6'-8'					red	silty fine sand			0.0			
	8'-10'					red	clayey fine sand			0.0			
	10'-12'					red	silty clayey fine sand			0.0			
	12'-14'					red	silty clayey fine sand			0.0			
	14'-16'					red	silty clayey fine sand			0.0			
	16'-18'					pink	silty fine sand			0.0			
	18'-20'					pink	silty fine sand			0.0			

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): ____

Remarks: ____

Converted to Well: Yes ____ No ____ Well I.D. #: ____

Tetra Tech NUS, Inc.

BORING LOG

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PROJECT NAME: RI @ Site 4 Saltley
PROJECT NUMBER:
DRILLING COMPANY: NTW
DRILLING RIG:

BORING NUMBER: DLFS4-DP29
DATE: 9-9-06
GEOLOGIST: C. Dolan
DRILLER: Dave Dyer

Sample No. and Type or RQD	Depth (FL) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	MATERIAL DESCRIPTION: Color	MATERIAL DESCRIPTION: Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
	0-6					red	silty fine sand			10.6			
	6"-2'					brn	silty fine sand			5.3			
	2'-4'					brn	silty fine sand			3.0			
	4'-6					brn	silty clayey fine sand			4.5			
	6'-8'					red	silty clayey fine sand			0.0			
	8-10					red	silty fine sand			0.0			
	10'-12					red	silty clayey fine sand			0.0			
	12'-14'					red	silty, clayey fine sand			0.0			
	14'-16'					red	silty clayey fine sand			0.0			
	16'-18'					pink	silty fine sand			0.0			
	18-20					pink	silty fine sand			0.0			

FILL
0.0

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): ____

Remarks: ____

Converted to Well: Yes ____ No ____ Well I.D. #: ____

Tetra Tech NUS, Inc.

BORING LOG

Page ___ of ___

PROJECT NAME: RI @ site 4 Saftey
PROJECT NUMBER:
DRILLING COMPANY: M+W
DRILLING RIG:

BORING NUMBER: SLFS4-DP30
DATE: 4-8-06
GEOLOGIST: C. Odon
DRILLER: Dave Durosa

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
	0-6"					brn	loamy silty fine sand			0.0			
	6"-2'					pink	fine sand			0.0			
	2'-4'					brn	fine sandy silt			0.0			
	4'-6'					brn	silty fine sand			0.0			
	6'-8'					brn	clayey silty fine sand						
	8'-10'					red	clayey silty fine sand						
	10'-12'					red	clayey silty fine sand						
	12'-14'					red	clayey fine sand						
	14'-16'					red	clayey fine sand						
	16'-18'					red	silty fine sand						
	18'-20'					red	silty fine sand						

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): ☐

Remarks: _____

Converted to Well: Yes _____ No _____ Well I.D. #: _____

Tetra Tech NUS, Inc.

BORING LOG

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PROJECT NAME: RI site 4 Saufley
PROJECT NUMBER: 00389
DRILLING COMPANY: M+W
DRILLING RIG:

BORING NUMBER: DPW13
DATE: 9-9-06
GEOLOGIST: C. Dun
DRILLER: Dan Duncan

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
0-6	11					lt	Brn FS, some c-f sand			0.0			
6"-2'							Brn FS w/silt dep			0.0			
2'-4'						Brn	sandy clay		1352				
4'-6'						Brn	silty fine sand			0.0			
6'-8'						red	silty fine sand			0.0			
8'-10'						red	silty clayey fine sand			0.0			
10'-12'						red	silty clayey fine sand			0.0			
12-14						red	silty clayey fine sand			0.0			
16-18						Pink	silty fine sand			0.0			
20-22						pink	silty fine sand			0.0			
24-26						white	fine sand/gravel, moist		slight petro odor	0.0			
28-30						white	fine sand						
32-34						pink	silty clayey fine sand		[redacted]				
36-38						pink	silty fine sand		saturated				

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): ____

Remarks: Sample 2-4

Converted to Well: Yes ____ No ____ Well I.D. #: ____

f.lt 1508

Tetra Tech NUS, Inc.

BORING LOG

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PROJECT NAME: RI SB 4 Sentry
PROJECT NUMBER: 000382
DRILLING COMPANY: MTW
DRILLING RIG:

BORING NUMBER: DLFS4-DPW-14
DATE: 9-9-05
GEOLOGIST: Codr
DRILLER: Mac Dixon

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**	
	0-6'					brn	sandy clay			0.0				
	2'-2'					brn	sandy clay			0.0				
	2'-4'					brn	silty fine sand			0.0				
4-6	4-6					brn	silty fine sand			536				f:H 0.0
6-8	6-8						no recovery							
	8-10					red	silty clayey fine sand			498				f:H 0.0
	10-12					red	silty clayey fine sand			15.3				0.0
	14-16					red	silty clayey fine sand			50.2				0.0
	18-20					red	silty fine sand			25.6				6.3
	22-24					red	silty fine sand			16.3				0.0
	24-26					gray	fine sand		moist @ 26'					

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Remarks: Sample 4-6

Drilling Area Background (ppm): ____

Converted to Well: Yes ____ No ____ Well I.D. #: ____

Tetra Tech NUS, Inc.

BORING LOG

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PROJECT NAME: Saufley Site 4
PROJECT NUMBER: 112G00389
DRILLING COMPANY: M&W Drilling
DRILLING RIG: DPT

BORING No.: OLFS4-DPW15
DATE: 9-9-06
GEOLOGIST: ~~Gary J. Davis~~ C. Odell
DRILLER: Dave Auer

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
	0-6"					brn	silty fine sand						
	6"-2'					brn	silty clayey fine sand		petrol odor				
	2'-4					brn	silty clayey fine sand		petrol odor	744			
	4-6					brn	silty fine sand		52%				
	6-8					red	silty fine sand			0.0			
	8-10					red	silty fine sand			0.0			
	10-12					red	silty clayey fine sand			0.0			
	14-16					red	silty clayey fine sand			0.0			
	18-20					pink	fine sand			0.0			
	22-24					red	silty, clayey fine sand						
~~26-28~~													
	24-26					white	fine sand		moist @ 26				
	28-30					white	fine sand		sat				
	30-32					pink	silty fine sand		sat				
	32-34					pink	silty fine sand		sat				
	34-36					pink	silty fine sand		sat				
	36-38					pink	silty fine sand		sat				
	38-40					pink	silty fine sand		sat				
	40-42					pink	silty fine sand		sat				
	42-44					pink	silty fine sand		sat				

f.H26 0-0

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): ____

Remarks: Sample 2-4

Converted to Well: Yes _____ No _____ Well I.D. #: _____

Tetra Tech NUS, Inc.

BORING LOG

Page ___ of ___

PROJECT NAME: Saufley Site 4
PROJECT NUMBER: 112G00389
DRILLING COMPANY: M&W Drilling
DRILLING RIG: DPT

BORING No.: DLFS4-DPW16
DATE:
GEOLOGIST: ~~Gary J. Davis~~ C. Olson
DRILLER:

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
	0-6"					brn	silty fine sand			0.0			
	6"-2'					brn	silty fine sand			0.0			
	2'-4'					brn	silty fine sand		petroleodor	16.3			f.1400
	4-6					brn	silty fine sand		petroleodor	16.8			f.1400
	6-8					red	silty fine sand			0.0			
	8-10					red	silty fine sand			0.0			
	10-12					red	silty clayey fine sand			0.0			
	12-14					red	silty clayey fine sand						
	14-16					red	silty clayey fine sand			0.0			
	16-18					brn	silty fine sand						
	18-20					pink	fine sand			0.0			
	20-22					white	fine sand						
	22-24					pink	silty fine sand			0.0			
	24-26					pink	fine sand			0.0			
	26-28					white	fine sand		saturated			0.0	0.0

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): ____

Remarks: Sample 2-4

Converted to Well: Yes ____ No ____ Well I.D. #: ____

Tetra Tech NUS, Inc.

BORING LOG

Page ___ of ___

PROJECT NAME: Saufley Site 4
PROJECT NUMBER: 112G00389
DRILLING COMPANY: M&W Drilling
DRILLING RIG: DPT

BORING No.: DLFS4-DPW17
DATE: 9-10-06
GEOLOGIST: ~~Gary J. Davis~~ C. Zalon
DRILLER: Dave Duncan

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
	0-6"					brn	silty fine sand			0.0			
	6"-2'					brn	silty fine sand			0.0			
	2'-4'					brn	silty fine sand			0.0			
	4'-6'					brn	silty fine sand			0.0			
	6'-8'					brn	silty fine sand			0.0			
	8'-10'					brn	silty fine sand			0.0			
	10'-12'					red	clayey silty fine sand			0.0			
	12'-14'					red	clayey silty fine sand						
	14'-16'					red	silty fine sand			0.0			
	16'-18'					pink	silty fine sand						
	18'-20'					pink	silty fine sand			0.0			
	20'-22'					pink	silty fine sand						
	22'-24'					pink	silty clayey fine sand			0.0			
	24'-26'					wht	fine sand			0.0		0.0	0.0
	26'-28'					wht	fine sand		~~wet~~ sat				
	28'-30'					wht	fine sand		sat				
	30'-32'					pink	silty fine sand		sat				
	32'-34'					pink	silty fine sand		sat				
	34'-36'					pink	silty fine sand		sat				
	36'-37'					wht	silty fine sand		sat				
	38'-40'					red	silty fine sand		sat				

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): ____

Remarks: Sample 8-12

Converted to Well: Yes ____ No ____ Well I.D. #: ____

Tetra Tech NUS, Inc.

BORING LOG

Page ___ of ___

PROJECT NAME: Saufley Site 4
PROJECT NUMBER: 112G00389
DRILLING COMPANY: M&W Drilling
DRILLING RIG: DPT

BORING No.: OLF54-DPW18
DATE: 9-9-06
GEOLOGIST: ~~Gary J. Davis~~ C. Alonso
DRILLER: Dave Duncan

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
	0-6"					brn	clayey fine sand			0.0			
	6'-2'					brn	silty fine sand			0.0			
	2'-4'					brn	silty fine sand			0.0			
	4'-6'					brn	silty fine sand			0.0			
	6'-8'					red	silty fine sand			0.0			
	8'-10'					red	clayey silty fine sand			0.0			
	10'-12'					red	silty fine sand			0.0			
	12'-14'					red	clayey silty fine sand						
	14'-16'					red	silty fine sand			0.0			
	16'-18'					red	clayey silty fine sand						
	18'-20'					pink	silty fine sand			0.0			
	20'-22'					red	silty fine sand						
	22'-24'					red	silty fine sand			0.0			
	24'-26'					pink	silty fine sand			0.0			
	26'-28'					white	silty fine sand			0.0			

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): ____

Remarks: Sample 8-12

Converted to Well: Yes ____ No ____ Well I.D. #: ____

Tetra Tech NUS, Inc.

BORING LOG

Page ___ of ___

PROJECT NAME: Saufley Site 4
PROJECT NUMBER: 112G00389
DRILLING COMPANY: M&W Drilling
DRILLING RIG: DPT

BORING No.: DLFS4-DPW19
DATE: 5-10-06
GEOLOGIST: ~~Gary J. Davis~~ G. Odom
DRILLER: Dan Dixon

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
	0-6"					brn	silty fine sand			0.0			
	6"-2'					brn	silty fine sand			0.0			
	2'-4'					brn	silty fine sand			0.0			
	4'-6'					brn	silty fine sand			0.0			
	6'-8'					brn	silty fine sand			0.0		0.0	0.0
	8'-10'					red	clayey silty fine sand			0.0			
	10'-12'					red	clayey silty fine sand			0.0			
	12'-14'					red	clayey silty fine sand						
	14'-16'					red	clayey silty fine sand			0.0			
	16'-18'					pink	silty fine sand						
	18'-20'					pink	fine sand			0.0			
	20'-22'					pink	fine sand						
	22'-24'					pink	fine sand			0.0			
	24'-26'					pink	fine sand			0.0			
	26'-28'					white	fine sand		sat				

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Remarks: Sample 8-12

Drilling Area Background (ppm): ____

Converted to Well: Yes ____ No ____ Well I.D. #: ____

Tetra Tech NUS, Inc.

BORING LOG

Page ___ of ___

PROJECT NAME: Saufley Site 4
PROJECT NUMBER: 112G00389
DRILLING COMPANY: M&W Drilling
DRILLING RIG: DPT

BORING No.: OLF54-DPW20
DATE: 9-10-06
GEOLOGIST: ~~Gary J. Davis~~ C. Odom
DRILLER: Dave Dorca

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
	0-6"					brn	clayey silty fine sand			0.0			
	6"-2'					brn	clayey silty fine sand			0.0			
	2'-4'					brn	clayey silty fine sand			0.0		0.0	0.0
	4'-6'					brn	silty fine sand			0.0			
	6'-8'					red	silty fine sand			0.0			
	8'-10'					red	clayey silty fine sand			0.0			
	10'-12'					red	clayey silty fine sand			0.0			
	12'-14'					red	clayey silty fine sand						
	14'-16'					red	clayey silty fine sand			0.0			
	16'-18'					red	silty fine sand						
	18'-20'					red	silty fine sand			0.0			
	20'-22'					brn	silty fine sand						
	22'-24'					brn	silty fine sand			0.0			
	24'-26'					white	fine sand		wet	0.0			
	26'-28'					white	fine sand		sat				
	28'-30'					white	fine sand						
	30'-32'					white	fine sand						
	32-34												
	34-36												

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): ____

Remarks: Sample 8-12

Converted to Well: Yes ____ No ____ Well I.D. #: ____

Tetra Tech NUS, Inc.

BORING LOG

Page ___ of ___

PROJECT NAME: Saufley Site 4
PROJECT NUMBER: 112G00389
DRILLING COMPANY: M&W Drilling
DRILLING RIG: DPT

BORING No.: OLFS4-DPW21
DATE: 9-10-06
GEOLOGIST: ~~Gary J. Davis~~ C. Odom
DRILLER: Dave Duncan

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
	0-6"					Br	silty fs, trace cly			0.0			
	6"-2						Same			0.0			
	2-4						Same			0.0			
	4-6					brn	silty fine sand			0.0			
	6-8					brn	silty fine sand			0.0			
	8-10					red	silty sand			0.0			
	10-12					red	clayey silty sand			0.0			
	12-14					red	clayey silty sand						
	14-16					red	clayey silty fine sand			0.0			
	16-18					red	silty fine sand						
	18-20					gry	fine sand			0.0			
	20-22					red	silty fine sand						
	22-24					white	fine sand			0.0			
	24-26					pink	fine sand						
	26-28					white	fine sand			0.0			
	28-30					wht	fine sand						
	30-32					wht	fine sand						

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): ____

Remarks: Sample 8-12

Converted to Well: Yes ____ No ____ Well I.D. #: ____

Tetra Tech NUS, Inc.

BORING LOG

Page ___ of ___

PROJECT NAME: Saufley Site 4
PROJECT NUMBER: 112G00389
DRILLING COMPANY: M&W Drilling
DRILLING RIG: DPT

BORING No.: DLFS4-DPW22
DATE: 9-10-06
GEOLOGIST: ~~Gary J. Davis~~ C. Odom
DRILLER: Dave Duncan

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
	0-6'					red	silty fine sand			1.0			
	6"-2'					brn	silty fine sand			0.0			
	2'-4'					brn	silty fine sand			0.0			
	4'-6'					brn	clayey silty fine sand			0.0			
	6'-8'					red	clayey silty fine sand			0.0			
	8'-10'					red	clayey silty fine sand			0.0			
	10'-12'					red	clayey silty fine sand			0.0			
	12'-14'					red	clayey silty fine sand						
	14'-16'					red	silty fine sand			0.0			
	16'-18'					red	silty fine sand						
	18'-20'					brown	silty fine sand			0.0			
	20'-22'					white	fine sand						
	22'-24'					pink	silty fine sand			0.0			
	24'-26'					red	silty fine sand						
	26'-28'					white	fine sand			0.0			
	28-30					white	fine sand		sat				
	30-32					white	fine sand		sat Petroleum odor				

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Remarks: Sample 26-28

Drilling Area Background (ppm): ____

Converted to Well: Yes ____ No ____ Well I.D. #: ____

Tetra Tech NUS, Inc.

BORING LOG

Page ___ of ___

PROJECT NAME: Saufley Site 4
PROJECT NUMBER: 112G00389
DRILLING COMPANY: M&W Drilling
DRILLING RIG: DPT

BORING No.: SLFS4-DPW23
DATE: 9-11-06
GEOLOGIST: ~~Gary J. Davis~~ C. Odom
DRILLER: Dave Duncan

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
	0-2'					red	red silty fine sand			0.0			
	2-4'					brn	clayey silty fine sand			0.0			
	4-6					brn	clayey silty fine sand			0.0		0.0	0.0
	6-8						no recovery						
	8-10						no recovery						
	10-12					red	clayey silty fine sand			0.0			
	12-14					red	clayey silty fine sand			0.0			
	14-16					red	clayey silty fine sand						
	16-18					red	clayey silty fine sand			0.0			
	18-20					red	clayey silty fine sand						
	20-22					red	silty fine sand			0.0			
	22-24					red	silty fine sand						
	24-26					red	silty fine sand			0.0			
	26-28					white	fine sand						
	28-30					white	fine sand		sat petroleum odor				
	30-32					white	fine sand		sat petroleum odor				
	32-34												

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Remarks: water @ 28 ft bls in silty fine sand 26-28

Drilling Area Background (ppm): ____

Converted to Well: Yes ____ No ____ Well I.D. #: ____

APPENDIX C

SOIL SAMPLE DATA SHEETS

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: Saufley Site 4
Project No.: 112G00389

Sample ID No.: OLFS4-DP1-S20
Sample Location: DP1
Sampled By: Gary J. Davis
C.O.C. No.: 2805

- [ ] Surface Soil
- [x] Subsurface Soil
- [ ] Sediment
- [ ] Other:
- [ ] QA Sample Type:

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

GRAB SAMPLE DATA:

Date	Time	Method	Monitor Reading (ppm)	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
9-6-06	1220	Grab	0	18-20	Dark Reddish Brown	silty sand (SM) ~5% clay

COMPOSITE SAMPLE DATA:

Date	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
9-6-06	1220	18-20	DK. Red Brown	silty sand (SM) 5% clay dense

Method: DPT Composite

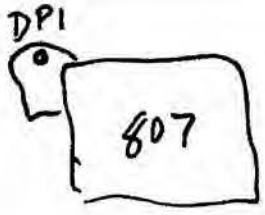
Monitor Readings (Range in ppm): 0.0

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
BTEX + MTBE	3 VOAs + 1-2oz	✓	
PAHs	1 4oz	✓	
TRPH	1 4oz	✓	

OBSERVATIONS / NOTES:

MAP:



Circle if Applicable:

MS/MSD | Duplicate ID No.:

Signature(s): Gary J. Davis

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Page___ of ___

Project Site Name: RI site 4
Project No.:

Sample ID No.: OLF54-DP16-S6
Sample Location: Swampy field
Sampled By:
C.O.C. No.:

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

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

GRAB SAMPLE DATA:

Date: 9-6-05 / Time: 1340 / Method: DPT / Monitor Reading (ppm): 0.0	Depth	Color	Description (Sand, Silt, Clay, Moisture, etc.)
	4-6	red	silty sand

COMPOSITE SAMPLE DATA:

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

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
BTEX + MTBE	3 x 40 mL vial	Yes	
BTEX + MTBE	1 x 2oz plastic	Yes	
FL-PRO	1 x 4oz jar	Yes	
PAH	1 x 4oz jar	Yes	

OBSERVATIONS / NOTES:

MAP:

Circle if Applicable:

MS/MSD | Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Page 1 of 1

Project Site Name: Saufley Site 4
Project No.: 112G00389

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

Sample ID No.: ~~OLF34~~ ~~OLF4~~ DP2-S20
Sample Location: DP2
Sampled By: Harry J. Davis
C.O.C. No.: 2805

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

GRAB SAMPLE DATA:

Date:	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time:			
Method:			
Monitor Reading (ppm):			

COMPOSITE SAMPLE DATA:

Date: 9-6-06	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Method: DPT Composite	1315	18-20	DK Reddish Brown	Silty sand w/ 25% clay damp
Monitor Readings (Range in ppm): 0.0				

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
BTEX + MTBE	3 VOAs 1-2oz P	✓	
PAHs	1 > 4oz G	✓	
TRPH	1-4oz G	✓	

OBSERVATIONS / NOTES:

MAP:

DP-2

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Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s): Harry J. Davis

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: Saufley Site 4
Project No.: 112G00389

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

Sample ID No.: OLFS4-DP3-S20
Sample Location: DP-3
Sampled By: Amy J. Davis
C.O.C. No.: 2805

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

GRAB SAMPLE DATA:

Date:	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time:			
Method:			
Monitor Reading (ppm):			

COMPOSITE SAMPLE DATA:

Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
9-6-06	1530	18-20	DK. Reddish Brown	Silty sand ~5% clay damp
Method: DPT Comp.				
Monitor Readings (Range in ppm): 0,0				

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
BTEX + MTBE	3 10As + 1-2oz P	✓	
PAHs	1-4oz G	✓	
TRPH	1-4oz G	✓	

OBSERVATIONS / NOTES:

MAP:

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Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s): Amy J. Davis

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: Saufley Site 4
Project No.: 112G00389

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

Sample ID No.: 06FS4-DP4-S20
Sample Location: DP4
Sampled By: Gary J. Dann
C.O.C. No.: 12805

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

GRAB SAMPLE DATA:

Date:	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time:			
Method:			
Monitor Reading (ppm):			

COMPOSITE SAMPLE DATA:

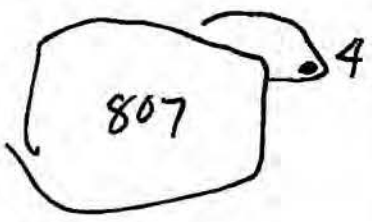
Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
9-6-06	1620	18-20	DK Reddish Brown	silty sand w/ ~5% clay, damp
Method: DPT Comp.				
Monitor Readings (Range in ppm): 0.0				

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
BTEX + MTBE	3 VOAs + 1-2oz P	✓	
PAHs	1-4oz Gl	✓	
TRPH	1-4oz Gl	✓	

OBSERVATIONS / NOTES:

MAP:



Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s): Gary J. Dann

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Page 1 of 1

Project Site Name: Saufley Site 4
Project No.: 112G00389

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

Sample ID No.: DLFS4-DP5-S20
Sample Location: DP5
Sampled By: Gary J. Davis
C.O.C. No.: JP 2805

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

GRAB SAMPLE DATA:

Date:	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time:			
Method:			
Monitor Reading (ppm):			

COMPOSITE SAMPLE DATA:

Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
9-6-06	1730	18-20	DK Reddish Brown	Silty sand w/5% clay damp
Method: DPT. Comp.				
Monitor Readings (Range in ppm): 0.0				

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
BTEX + MTBE	3-Vocs + 1-2oz P	✓	
PAHs	1-4oz	✓	
TRPH	1-4oz	✓	

OBSERVATIONS / NOTES:

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s): Gary J. Davis

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: Saufley Site 4
Project No.: 112G00389

Sample ID No.: OLFS4-DP6-S20
Sample Location: DP6
Sampled By: Gary J. Davis
C.O.C. No.: 2805

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

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

GRAB SAMPLE DATA:

Date:	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time:			
Method:			
Monitor Reading (ppm):			

COMPOSITE SAMPLE DATA:

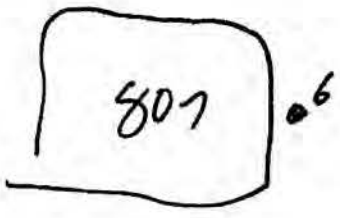
Date: 9-7-06 AD 8-6-06	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Method: DPT Comp.	0845	18-20	DK Reddish Brown	Silty Sand ~5% clay, damp
Monitor Readings (Range in ppm): 0.0				

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
BTEX + MTBE	3-Voas, 1-2oz P	✓	
PAHs	1-4oz G	✓	
TRPH	1-4oz G	✓	

OBSERVATIONS / NOTES:

MAP:



Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s): Gary J. Davis

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: Saufley Site 4
Project No.: 112G00389

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

Sample ID No.: OLF54-DPT-S20
Sample Location: DPT
Sampled By: Gary J Davis
C.O.C. No.: 1805

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

GRAB SAMPLE DATA:

Date:	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time:			
Method:			
Monitor Reading (ppm):			

COMPOSITE SAMPLE DATA:

Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
9-7-06	0930	18-20	DK. Reddish Brown	Silty Sand w/~5% clay, damp
Method: DPT comp.				
Monitor Readings (Range in ppm): 0.0				

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
BTEX + MTBE	3 vom + 1-2oz P	✓	
TRPH	1-4oz G	✓	
PAHs	1-4oz G	✓	

OBSERVATIONS / NOTES:

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s): Gary J. Davis

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: Saufley Site 4
Project No.: 112G00389

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

Sample ID No.: OLFS4-DP8-S20
Sample Location: DP8
Sampled By: Gary J. Davis
C.O.C. No.: 2805

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

GRAB SAMPLE DATA:

Date:	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time:			
Method:			
Monitor Reading (ppm):			

COMPOSITE SAMPLE DATA:

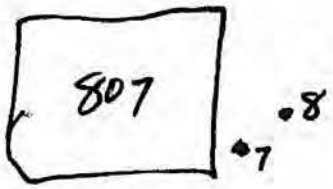
Date: 9-7-06	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Method: DPT comp.	1025	18-20	DK. Reddish Brown	Silty sand w/ ~5% clay, damp
Monitor Readings (Range in ppm): 0.0				

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
PPL VOHs, BTEX + MTBE	3 VOAs + 1-2oz P	✓	
PAHs	1-4oz G	✓	
TRPH	"	✓	
PCBs	"	✓	
Total Metals	"	✓	

OBSERVATIONS / NOTES:

MAP:



Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s): Gary J. Davis

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: Saufley Site 4
Project No.: 112G00389

Sample ID No.: OLFS4-DP9-S20
Sample Location: DP9
Sampled By: Gary J. Davis
C.O.C. No.: 2805

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

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

GRAB SAMPLE DATA:

Date:	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time:			
Method:			
Monitor Reading (ppm):			

COMPOSITE SAMPLE DATA:

Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
9-7-06	1140	18-20	DK. Reddish Brown	Silty Sand w/ ~5% clay
Method: DPT Comp				damp
Monitor Readings (Range in ppm): 0.0				

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
PPL VOHs, BTEX + MTBE	3 VOAs + 1-2oz P	✓	
PAHs	1-4oz	✓	
PCBs, TRPH, Total Metals	1-16oz	✓	

OBSERVATIONS / NOTES:

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s): Gary J. Davis

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: Saufley Site 4
Project No.: 112G00389

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

Sample ID No.: OLFS4-DP10-S20
Sample Location: DP10
Sampled By: Harry J. Davis JJ
C.O.C. No.: 2805

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

GRAB SAMPLE DATA:

Date:	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time:			
Method:			
Monitor Reading (ppm):			

COMPOSITE SAMPLE DATA:

Date: 9-7-06	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Method: DPT comp.	1535	18-20	DK Reddish Brown	Silty sand w/ ~5% clay damp
Monitor Readings (Range in ppm): 0.0				

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
PPL VOHs, BTEX + MTBE	3 VOAs + 1-2oz P	✓	
PAHs	1-4oz Gl	✓	
PCBs, TRPH, Total Metals	1-16oz Gl	✓	

OBSERVATIONS / NOTES:

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s): Harry J. Davis

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: Saufley Site 4
Project No.: 112G00389

Sample ID No.: OLFS4-DP11-S20
Sample Location: DP11
Sampled By: Gary J. Davis
C.O.C. No.: 2805

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

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

GRAB SAMPLE DATA:

Date:	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time:			
Method:			
Monitor Reading (ppm):			

COMPOSITE SAMPLE DATA:

Date: 9-7-06	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
	1615	18-20	DK. Reddish Brown	silty sand w/ ~5% clay
Method: DPT comp.				damp
Monitor Readings (Range in ppm): D.O				

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
BTEX + MTBE	3 VOAs + 1-2oz P	✓	
PAHs	1-4 oz G	✓	
TRPH	1-4 oz G	✓	

OBSERVATIONS / NOTES:

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s): Gary J. Davis

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: Saufley Site 4
Project No.: 112G00389

Sample ID No.: OLF54-DP12-S20
Sample Location: DP12
Sampled By: Gary J. Davis
C.O.C. No.: 2805

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

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

GRAB SAMPLE DATA:

Date:	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time:			
Method:			
Monitor Reading (ppm):			

COMPOSITE SAMPLE DATA:

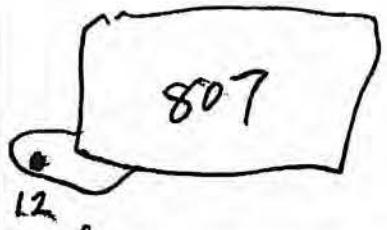
Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
9-7-06	1650	18-20	DK Reddish Brown	Silty Sand w/ 25% Clay
Method: DPT comp.				damp
Monitor Readings (Range in ppm): 0.0				

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
PPL VOHs, BTEX+MTBE	3 voas + 1-2oz P	✓	
PAHs	1-4oz G	✓	
PCBs, TRPH, Total Metals	1-16oz G	✓	

OBSERVATIONS / NOTES:

MAP:



Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s): Gary J. Davis

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: Saufley Site 4
Project No.: 112G00389

Sample ID No.: OLFS4-DP13-S20
Sample Location: DP13
Sampled By: Gary J. Davis
C.O.C. No.: 2807

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

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

GRAB SAMPLE DATA:

Date: / Time: / Method: / Monitor Reading (ppm):	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)

COMPOSITE SAMPLE DATA:

Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
9-8-06	0900	18-20	Dk. Reddish Brown	silty sand w/ ~35% clay
Method: DPT comp.				damp
Monitor Readings (Range in ppm): 0.0				

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
BTEX + MTBE	3 VOAs + 1-2oz P	✓	
PAHs	1-4oz Gl	✓	
TRPH	1-4oz Gl	✓	

OBSERVATIONS / NOTES:

MAP:

13 • 807

Circle if Applicable:
MS/MSD

Duplicate ID No.:

Signature(s):
Gary J. Davis

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: Saufley Site 4
Project No.: 112G00389

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

Sample ID No.: OLFS4-DP14-S20
Sample Location: DP14
Sampled By: Harry J. Davis
C.O.C. No.: 2807

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

GRAB SAMPLE DATA:

Date:	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time:			
Method:			
Monitor Reading (ppm):			

COMPOSITE SAMPLE DATA:

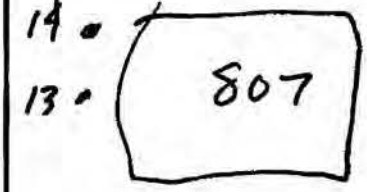
Date: 9-8-06	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
	1015	18-20	DK Reddish Brown	Silty Sand w/ 5% clay
Method:				damp
Monitor Readings (Range in ppm):				

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
PPL VOHs, BTEX+MTBE	3 vocs + 1-20oz P	✓	
PAHs	1-4oz Gr.	✓	
PCBs, TRPH, Total Metals	1-16oz Gr	✓	

OBSERVATIONS / NOTES:

MAP:



Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s): Harry J. Davis

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: Saufley Site 4
Project No.: 112G00389

Sample ID No.: OLF34-DP15-S20
Sample Location: DP15
Sampled By: Amy J. Davis
C.O.C. No.: 12807

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

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

GRAB SAMPLE DATA:

Date:	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time:			
Method:			
Monitor Reading (ppm):			

COMPOSITE SAMPLE DATA:

Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
9-8-06	1120	18-20	DK. Reddish Brown	Silty sand w/ 5% clay damp
Method: DPT composite				
Monitor Readings (Range in ppm): 0.0				

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
BTEX + MTBE	3 VOAs & 1-2oz P	✓	
PAHs	1-4oz Gl	✓	
TRPH	1-4oz Gl	✓	

OBSERVATIONS / NOTES:

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s): Amy J. Davis

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: Saufley Site 4
Project No.: 112G00389

Sample ID No.: OLFS4-DPW1-S45
Sample Location: DPW1
Sampled By: Tony J. Davis
C.O.C. No.: 2807

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

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

GRAB SAMPLE DATA:

Date:	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time:			
Method:			
Monitor Reading (ppm):			

COMPOSITE SAMPLE DATA:

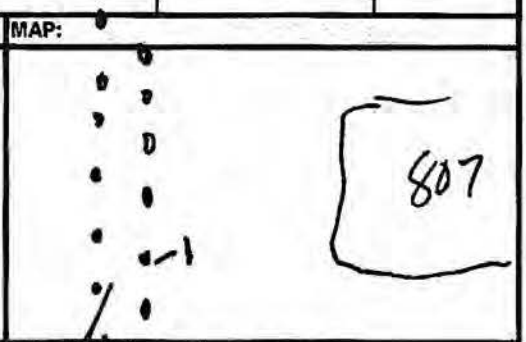
Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
9-8-06	1430	40-45	Tan to Brn/White	Silty sand w/ trace clay
Method: DPT Composite				damp
Monitor Readings (Range in ppm): 0.0				

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
TCL VOCs & Appendix IX	3 voas & 1-2oz P	✓	
TCL SVOCs & App IX PCBs, TRPH, TAL Metals	1-4oz Gl	✓	
	1-4 oz Gl	✓	

OBSERVATIONS / NOTES:

MAP:



Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s): Tony J. Davis

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: Saufley Site 4
Project No.: 112G00389

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

Sample ID No.: OLFS4-DPW2-S10
Sample Location: DPW 2
Sampled By: Gary J. Davis
C.O.C. No.: 07 2812

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

GRAB SAMPLE DATA:

Date:	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time:			
Method:			
Monitor Reading (ppm):			

COMPOSITE SAMPLE DATA:

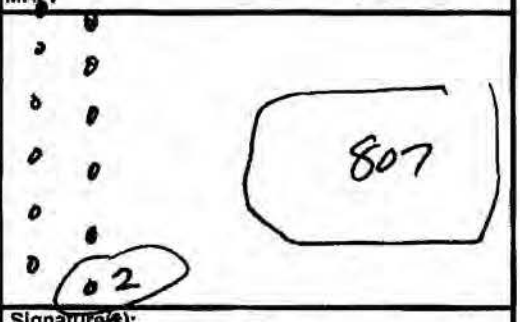
Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
9-12-06	0615	5-10	Reddish Brown	silty sand w/ ~5% clay damp
Method: DPT composite				
Monitor Readings (Range in ppm): 0.0				

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
TCL VOCs & App IX	3-40ml VOAs & 1-20oz P	✓	
TCL SVOCs & App IX PCBs, TRPH, TAL Metals	1-16oz G	✓	

OBSERVATIONS / NOTES:

MAP:



Circle If Applicable:

MS/MSD	Duplicate ID No.:

Signature(s): Gary J. Davis

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: Saufley Site 4
Project No.: 112G00389

Sample ID No.: OLFSA-DPW3-S10
Sample Location: DPW3
Sampled By: Gary J. Davis
C.O.C. No.: 2812

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

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

GRAB SAMPLE DATA:

Date:	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time:			
Method:			
Monitor Reading (ppm):			

COMPOSITE SAMPLE DATA:

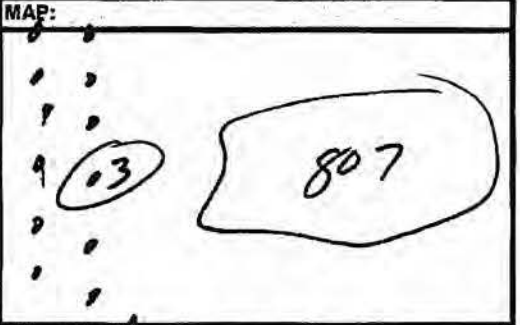
Date: 9-12-06	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Method: DPT Composite	0830	5-10	Reddish Brown	Silty Sand w/ ~5% clay
Monitor Readings (Range in ppm): 0.0				damp

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
TCL VOCs & App IX	3 VOAs & 1-2oz P	✓	
TCL SVOCs & App IX, PCBs, TRPH, TAL Metals	3 1-16oz	✓	

OBSERVATIONS / NOTES:

MAP:



Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s): Gary J. Davis

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: Saufley Site 4
Project No.: 112G00389

Sample ID No.: OLF34-DPW4-S10
Sample Location: DPW4
Sampled By: Gary J. Davis
C.O.C. No.: 2812

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

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

GRAB SAMPLE DATA:

Date:	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time:			
Method:			
Monitor Reading (ppm):			

COMPOSITE SAMPLE DATA:

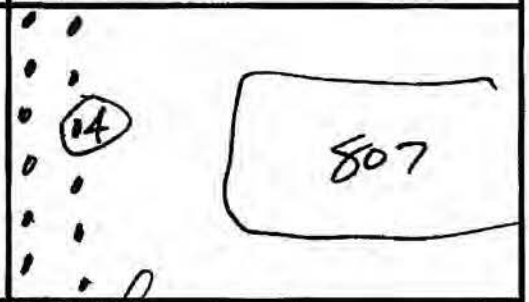
Date: 9-12-06	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Method: DPT Composite	0900	5-10	Reddish Brown	silty sand w/ ~5% clay damp
Monitor Readings (Range in ppm):				

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
TCL VOCs & App IX	3 voas + 1-2oz P	✓	
TCL SVOCs & App IX PCBs, TRPH, TAL Metals	3 - 1-16oz G	✓	

OBSERVATIONS / NOTES:

MAP:



Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s): Gary J. Davis

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: Saufley Site 4
Project No.: 112G00389

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

Sample ID No.: OLFS4-DPW5-S10
Sample Location: DPW5
Sampled By: Gary J. Davis
C.O.C. No.: 2812

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

GRAB SAMPLE DATA:

Date:	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time:			
Method:			
Monitor Reading (ppm):			

COMPOSITE SAMPLE DATA:

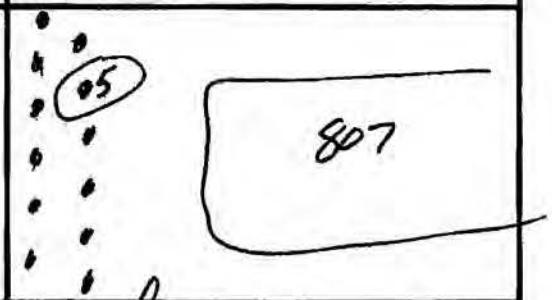
Date: 9-12-06	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Method: DPT - Composite	0920	5-10	Reddish Brown	Silty sand w/ ~5% clay damp
Monitor Readings (Range in ppm): 0.0				

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
TCL VOCs + App IX	3 VOAs @ 1-2oz P	✓	
TCL SVOCs + App IX, PCBs, TRPH, TAL Metals	3 1-16oz GJ	✓	

OBSERVATIONS / NOTES:

MAP:



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

Signature(s): Gary J. Davis

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Page___ of ___

Project Site Name: Saufley Site 4
Project No.: 112G00389

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

Sample ID No.: GLFS4-DPW6-S10
Sample Location: DPW6
Sampled By: Gary J. Davis
C.O.C. No.: 2817

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

GRAB SAMPLE DATA:

Date:	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time:			
Method:			
Monitor Reading (ppm):			

COMPOSITE SAMPLE DATA:

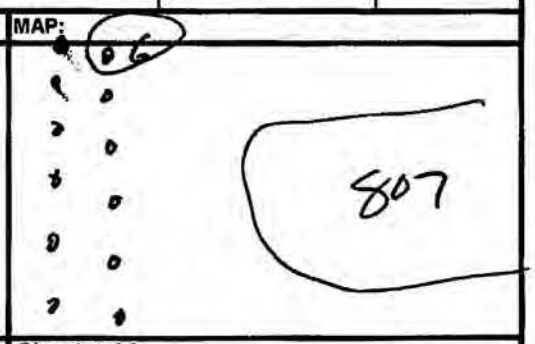
Date: 9-12-06	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Method: DPT composite	1015	5-10	Reddish Brown	Silty sand w/ ~5% clay damp
Monitor Readings (Range in ppm): 0.0				

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
TCL VOCs & App IX	3 voas & bag P	✓	
TCL SVOCs & App IX, PCBs, TRPH, TAL Metals	3-1-16oz GJ	✓	

OBSERVATIONS / NOTES:

MAP:



Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s): Gary J. Davis

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: Saufley Site 4
Project No.: 112G00389

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

Sample ID No.: OLFS-DPW7-545
Sample Location: DPW7
Sampled By: Gary J. Davis
C.O.C. No.: 2404

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

GRAB SAMPLE DATA:

Date:	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time:			
Method:			
Monitor Reading (ppm):			

COMPOSITE SAMPLE DATA:

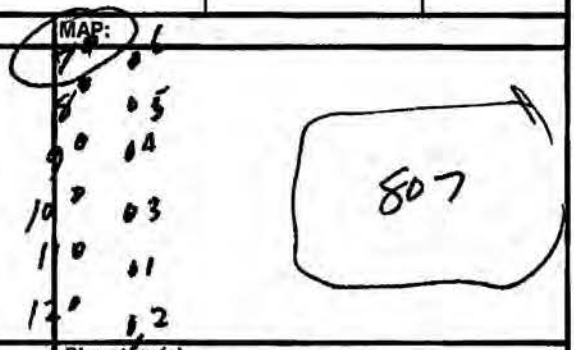
Date: 9-11-06	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Method: DPT Composite	1410	40-45	Buff White to Tan	silty Sand w/ trace clay
Monitor Readings (Range in ppm): 0.0				

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
TCL VOCs & App IX	3 voas & 1-2oz P	✓	
TCL SVOCs & App IX PCBs, TRPH, TAL Metals	3 1-16oz G	✓	

OBSERVATIONS / NOTES:

MAP:



Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s): Gary J. Davis

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: Saufley Site 4
Project No.: 112G00389

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

Sample ID No.: OLFSA-DPW8-S10
Sample Location: DPW8
Sampled By: ~~Gary~~ / Davis
C.O.C. No.: 2812

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

GRAB SAMPLE DATA:

Date:	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time:			
Method:			
Monitor Reading (ppm):			

COMPOSITE SAMPLE DATA:

Date 9-12-06	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Method: DPT Composite	1030	5-10	Reddish Brown	Silty sand w/ ~5% clay damp
Monitor Readings (Range in ppm): 0.0				

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
TCL VOCs + App IX	3 vials 9 1-2oz P	✓	
TCL SVOCs + App IX, PCBs, TRPH, TAL Metals	3 - 1-16oz G	✓	

OBSERVATIONS / NOTES:

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s): Gary J. Davis

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: Saufley Site 4
Project No.: 112G00389

Sample ID No.: OLFS4-DPW9-S10
Sample Location: DPW9
Sampled By: Gary J. Davis
C.O.C. No.: 2812

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

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

GRAB SAMPLE DATA:

Date:	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time:			
Method:			
Monitor Reading (ppm):			

COMPOSITE SAMPLE DATA:

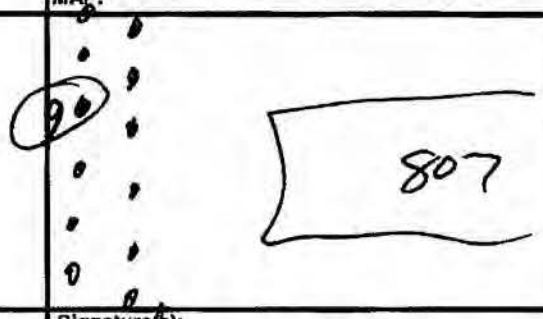
Date: 9-12-06	Time: 1055	Depth Interval: 5-10	Color: Reddish Brown	Description (Sand, Silt, Clay, Moisture, etc.): silty sand w/ ~5% clay damp
Method: DPT Composite				
Monitor Readings (Range in ppm): 0.0				

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
TCL VOCs + App IX	3 vials w/ 1-2oz P	✓	
TCL SVOCs + App IX, PCBs, TRPH, TAL Metals	3 1-16oz G	✓	

OBSERVATIONS / NOTES:

MAP:



Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s): Gary J. Davis

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: Saufley Site 4
Project No.: 112G00389

Sample ID No.: OLF54-DPW10-545
Sample Location: DPW10
Sampled By: Harry J. Davis
C.O.C. No.: 2808

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

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

GRAB SAMPLE DATA:

Date:	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time:			
Method:			
Monitor Reading (ppm):			

COMPOSITE SAMPLE DATA:

Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
9-11-06	0830	40-45	Tan to Buff White	Silty sand w/ trace clay
Method: DPT Composite				clumps
Monitor Readings (Range in ppm): 0.0				

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
TCL VOCs + App IX	3 VOAs 1-2oz P	✓	
TCL SVOCs + App IX PCBs, TRPH, TAL Metals	3 — 1-16oz G	✓	

OBSERVATIONS / NOTES:

MAP:

8 • 0.5
9 • 0.4
10 • 0.3
11 • 0.1
12 • 0.2

807

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s): Harry J. Davis

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: Saufley Site 4
Project No.: 112G00389

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

Sample ID No.: OLFSA-DPW11-545
Sample Location: DPW11
Sampled By: Harry J. Davis
C.O.C. No.: 2808

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

GRAB SAMPLE DATA:

Date:	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time:			
Method:			
Monitor Reading (ppm):			

COMPOSITE SAMPLE DATA:

Date: 9-11-06	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
	1000	40-45	Buff/White to Tan	Silty Sand w/ trace clay Sample
Method: DPT composite				
Monitor Readings (Range in ppm): 4.1 corrected				

SAMPLE COLLECTION INFORMATION:

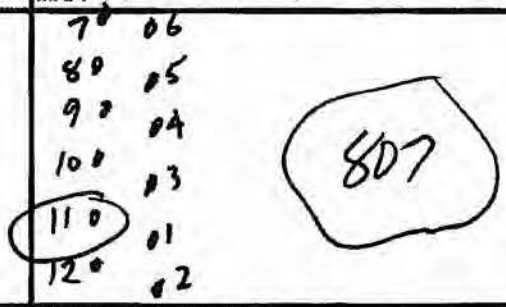
Analysis	Container Requirements	Collected	Other
~~TCL VOCs~~ TCL VOCs + App IX	3 VOAs & 1-2oz P	✓	✓
TCL SVOCs + App IX, PCB, TRPH, TAL Metals	3 1-16oz G	✓	✓
			SPLP

SP

OBSERVATIONS / NOTES:

Took extra set for SPLP.
SPLP Hold pending analysis

MAP:



Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s): Harry J. Davis

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: Saufley Site 4
Project No.: 112G00389

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

Sample ID No.: 02FS4-DPW12-545
Sample Location: DPW 12
Sampled By: Gary J. Davis
C.O.C. No.: 2808

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

GRAB SAMPLE DATA:

Date:	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time:			
Method:			
Monitor Reading (ppm):			

COMPOSITE SAMPLE DATA:

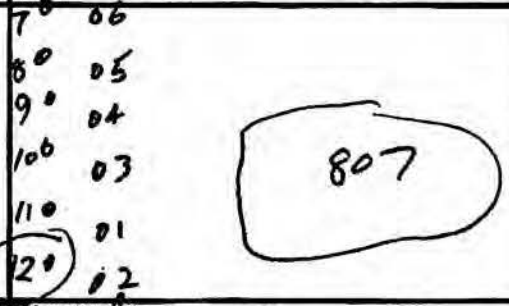
Date: 9-11-06	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Method: DPT Composite	1635	A0-45	Buff white to Tan	Silty sand w/ trace clay Gary J.
Monitor Readings (Range in ppm): 0.0				

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
TCL VOCs & App IX	3 VOAs & 1-2oz P	✓	
TCL SVOCs & App IX, PCPs, TRPH, TAL Metals	3 1-160z G	✓	

OBSERVATIONS / NOTES:

MAP:



Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s): Gary J. Davis

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Page___ of ___

Project Site Name: Saufley Site 4
Project No.: 112G00389

Sample ID No.: OLFS4-DPB1-SL0
Sample Location: OLFS4-DPB1
Sampled By: C.Dan
C.O.C. No.:

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

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

GRAB SAMPLE DATA:

Date: 9-12-06	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time: 1328	5-10	brn	f silty fine sand
Method: DPT			
Monitor Reading (ppm): -			

COMPOSITE SAMPLE DATA:

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

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
TCL VOCs + App IX, BTEX + MTBE	1x100mL plastic 3x40mL glass vial	Y Y	
TCL SVOCs, App IX, Pest, PCBs, herb, tal metals	1x16oz jar	Y	
SPLP TCL VOCs + App IX	1x4oz jar	Y	
SPLP TCL SVOCs, App IX, Pest, PCBs, herb, tal metals	1x16oz jar	Y	

OBSERVATIONS / NOTES:

MAP:

Circle if Applicable:

MS/MSD | Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Page___ of ___

Project Site Name: Saufley Site 4
Project No.: 112G00389

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

Sample ID No.: OLFS4-DPB2-S10
Sample Location: OLFS4-DPB2
Sampled By: C. Ocon
C.O.C. No.:

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

GRAB SAMPLE DATA:

Date: 9-12-06	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time: 1358	5-10	Brn	Silty, fine sand
Method: DPT			
Monitor Reading (ppm): 0.0			

COMPOSITE SAMPLE DATA:

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

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
TCL VOCs + App IX	1 x 100 mL plastic	Y	
BTEX + MTBE	3 x 40 mL glass w/ HCl	Y	
TCL SVOCs, App IX, Pest, PCBs, herb, tal metals	1 x 16 oz glass jar	Y	
SPLP TCL VOCs + App IX	1 x 4 oz clear jar	Y	
SPLP TCL VOCs, App IX, Pest+PCB, herb, tal metals	1 x 16 oz glass jar	Y	

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: Saufley Site 4
Project No.: 112G00389

Sample ID No.: DLFS4-OPB3-S10
Sample Location: DLFS4-OPB3
Sampled By: C. Odom
C.O.C. No.:

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

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

GRAB SAMPLE DATA:

Date: 9-12-06	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time: 1425	5-10	Brown	Silty fine sand
Method: DPT			
Monitor Reading (ppm):			

COMPOSITE SAMPLE DATA:

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

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
TCL VOCs + App IX	1 x 100 mL plastic	Y	
BTEX + MTBE	3 x 40 mL glass vials	Y	
TCL SVOCs, App IX, Pest, PCBs, herb, tal metals	1 x 16 oz glass jar	Y	
SPLP TCL VOCs + App IX	1 x 4 oz glass jar	Y	
SPLP TCL VOCs, App IX, Pest, PCBs, herb, tal metals	1 x 16 oz glass jar	Y	

OBSERVATIONS / NOTES:

MAP:

Circle if Applicable:

MS/MSD

Duplicate ID No.:

Signature(s):

C. Odom

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Page___ of ___

Project Site Name: Saufley Site 4
Project No.: 112G00389

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

Sample ID No.: OLFS4-DPB4-S10
Sample Location: OLFS4-DPB4
Sampled By: C.O.C.
C.O.C. No.:

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

GRAB SAMPLE DATA:

Date: 9-12-06	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time: 1500	5-10	brown	silty fine sand
Method: hand auger			
Monitor Reading (ppm):			

COMPOSITE SAMPLE DATA:

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

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
TCL VOCs + App IX	1x40mL glass	Y	
BTEX + MTBE	3x40mL glass vial	Y	
TCL SVOCs, App IX, Pest, PCBs, herb, total metals	1x16oz glass jar	Y	
SPLP TCL VOCs + App IX	1x40z glass jar	Y	
SPLP TCL VOCs, App IX, Pest, PCBs, herb, total metals	1x16oz glass jar	Y	

OBSERVATIONS / NOTES:

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:
	OLFS4-DPB4-S10-D

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: Saufley Site 4
Project No.: 112G00389

Sample ID No.: OLFS4-DPBS-510
Sample Location: OLFS4-DPBS
Sampled By: C. Dan
C.O.C. No.:

- [ ] Surface Soil
- [x] Subsurface Soil
- [ ] Sediment
- [ ] Other:
- [ ] QA Sample Type:

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

GRAB SAMPLE DATA:

Date: 9-12-02	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time: 1540	510	brn	fine silty sand
Method: hand auger			
Monitor Reading (ppm):			

COMPOSITE SAMPLE DATA:

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

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
TCL VOCs + App IX	1x 100ml plastic	X	
BTEX + MTBE	3x 40ml glass vial	X	
TCL SVOCs, App IX, Pest, PCBs, herb, total lipids	1x 16oz glass jar	X	
SPLP TCL VOCs + App IX	1x 4oz glass jar	X	
SPLP TCL VOCs, App IX, Pest, PCBs, herb + total lipids	1x 16oz glass jar	X	

OBSERVATIONS / NOTES:

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

FIELD HEADSPACE SCREENING RESULTS
BACKGROUND SAMPLES
SITE 4 REMEDIAL INVESTIGATION REPORT
OLF SAUFLEY
PENSACOLA, FL

SOIL BORING	SAMPLE DEPTH	HEADSPACE RESPONSE (ppm)	COMMENTS	LAB SAMPLES
OLFS4-DPB01	0-2 ft	0.0		
	2-4 ft	0.0	hand auger to 4'	
	4-8 ft	0.0	DPT to total depth	
	8-10 ft	0.0	Damp @ 10'	OLFS4-DPB01-S10
OLFS4-DPB02	0-2 ft	0.0		
	2-4 ft	0.0	hand auger to 4'	
	4-8 ft	0.0	DPT to total depth	
	8-10 ft	0.0	Damp @ 10'	OLFS4-DPB02-S10
OLFS4-DPB03	0-2 ft	0.0		
	2-4 ft	0.0	hand auger to 4'	
	4-8 ft	0.0	DPT to total depth	
	8-10 ft	0.0	Damp @ 10'	OLFS4-DPB03-S10
OLFS4-DPB04	0-2 ft	0.0		
	2-4 ft	0.0	hand auger to 4'	
	4-8 ft	0.0		
	8-10 ft	0.0	Damp @ 10'	OLFS4-DPB04-S10
OLFS4-DPB05	0-2 ft	0.0		
	2-4 ft	0.0	hand auger to 4'	
	4-8 ft	0.0		
	8-10 ft	0.0	Damp @ 10'	OLFS4-DPB05-S10
OLFS4-DPB06	0-2 ft	0.0		
	2-4 ft	0.0	hand auger to 4'	
	4-8 ft	0.0		
	8-10 ft	0.0	Damp @ 10'	OLFS4-DPB06-S10
OLFS4-DPB07	0-2 ft	0.0		
	2-4 ft	0.0	hand auger to 4'	
	4-8 ft	0.0		
	8-10 ft	0.0	Damp @ 10'	OLFS4-DPB07-S10
OLFS4-DPB08	0-2 ft	0.0		
	2-4 ft	0.0	hand auger to 4'	
	4-8 ft	0.0		
	8-10 ft	0.0	Damp @ 10'	OLFS4-DPB08-S10
OLFS4-DPB09	0-2 ft	0.0		
	2-4 ft	0.0	hand auger to 4'	
	4-8 ft	0.0		
	8-10 ft	0.0	Damp @ 10'	OLFS4-DPB09-S10
OLFS4-DPB10	0-2 ft	0.0		
	2-4 ft	0.0	hand auger to 4'	
	4-8 ft	0.0		
	8-10 ft	0.0	Damp @ 10'	OLFS4-DPB10-S10

NOTES:
ft = feet
ppm = parts per million
N/A = not analyzed

FIELD HEADSPACE SCREENING RESULTS
PERIMETER OF BLDG 807
SITE 4 REMEDIAL INVESTIGATION REPORT
OLF SAUFLEY
PENSACOLA, FL

SOIL BORING	SAMPLE DEPTH	HEADSPACE RESPONSE (ppm)	COMMENTS	LAB SAMPLES
OLFS4-DP01	0-0.5 ft	0.0		
	0.5-2 ft	0.0		
	2-4 ft	0.0		
	4-6 ft	0.0		
	6-8 ft	0.0		
	8-12 ft	0.0		
	12-16 ft	0.0	Damp @ 14'	
	16-20 ft	0.0		OLFS4-DP01-S20
OLFS4-DP02	0-0.5 ft	0.0		
	0.5-2 ft	0.0		
	2-4 ft	0.0		
	4-6 ft	0.0		
	6-8 ft	0.0		
	8-12 ft	0.0		
	12-16 ft	0.0		
	16-20 ft	0.0		OLFS4-DP02-S20
OLFS4-DP03	0-0.5 ft	0.0		
	0.5-2 ft	0.0		
	2-4 ft	0.0		
	4-6 ft	0.0		
	6-8 ft	0.0		
	8-12 ft	0.0		
	12-16 ft	0.0		
	16-20 ft	0.0		OLFS4-DP03-S20
OLFS4-DP04	0-0.5 ft	0.0		
	0.5-2 ft	0.0		
	2-4 ft	0.0		
	4-6 ft	0.0		
	6-8 ft	0.0		
	8-12 ft	0.0		
	12-16 ft	0.0		
	16-20 ft	0.0		OLFS4-DP04-S20
OLFS4-DP05	0-0.5 ft	0.0		
	0.5-2 ft	0.0		
	2-4 ft	0.0		
	4-6 ft	0.0		
	6-8 ft	0.0		
	8-12 ft	0.0		
	12-16 ft	0.0		
	16-20 ft	0.0		OLFS4-DP05-S20
OLFS4-DP06	0-0.5 ft	0.0		
	0.5-2 ft	0.0		
	2-4 ft	0.0		
	4-6 ft	0.0		
	6-8 ft	0.0		
	8-12 ft	0.0		
	12-16 ft	0.0		
	16-20 ft	0.0		OLFS4-DP06-S20

FIELD HEADSPACE SCREENING RESULTS
PERIMETER OF BLDG 807
SITE 4 REMEDIAL INVESTIGATION REPORT
OLF SAUFLEY
PENSACOLA, FL

SOIL BORING	SAMPLE DEPTH	HEADSPACE RESPONSE (ppm)	COMMENTS	LAB SAMPLES
OLFS4-DP07	0-0.5 ft	0.0		
	0.5-2 ft	0.0		
	2-4 ft	0.0		
	4-6 ft	0.0		
	6-8 ft	0.0		
	8-12 ft	0.0	Damp @ 11'	
	12-16 ft	0.0		
	16-20 ft	0.0		OLFS4-DP07-S20
OLFS4-DP08	0-0.5 ft	0.0		
	0.5-2 ft	0.0		
	2-4 ft	0.0		
	4-6 ft	0.0		
	6-8 ft	0.0		
	8-12 ft	0.0		
	12-16 ft	0.0		
	16-20 ft	0.0		OLFS4-DP08-S20
OLFS4-DP09	0-0.5 ft	0.0		
	0.5-2 ft	0.0		
	2-4 ft	0.0		
	4-6 ft	0.0		
	6-8 ft	0.0		
	8-12 ft	0.0		
	12-16 ft	0.0		
	16-20 ft	0.0		OLFS4-DP09-S20
OLFS4-DP10	0-0.5 ft	0.0		
	0.5-2 ft	0.0		
	2-4 ft	0.0		
	4-6 ft	0.0		
	6-8 ft	0.0		
	8-12 ft	0.0	Damp @ 9'	
	12-16 ft	0.0		
	16-20 ft	0.0		OLFS4-DP10-S20
OLFS4-DP11	0-0.5 ft	0.0		
	0.5-2 ft	0.0		
	2-4 ft	0.0		
	4-6 ft	0.0		
	6-8 ft	0.0		
	8-12 ft	0.0		
	12-16 ft	0.0	Damp @ 16'	
	16-20 ft	0.0		OLFS4-DP11-S20
OLFS4-DP12	0-0.5 ft	0.0		
	0.5-2 ft	0.0		
	2-4 ft	0.0		
	4-6 ft	0.0		
	6-8 ft	0.0		
	8-12 ft	0.0	Damp @ 9'	
	12-16 ft	0.0		
	16-20 ft	0.0		OLFS4-DP12-S20

FIELD HEADSPACE SCREENING RESULTS
PERIMETER OF BLDG 807
SITE 4 REMEDIAL INVESTIGATION REPORT
OLF SAUFLEY
PENSACOLA, FL

SOIL BORING	SAMPLE DEPTH	HEADSPACE RESPONSE (ppm)	COMMENTS	LAB SAMPLES
OLFS4-DP13	0-0.5 ft	0.0		
	0.5-2 ft	0.0		
	2-4 ft	0.0		
	4-6 ft	0.0		
	6-8 ft	0.0		
	8-12 ft	0.0		
	12-16 ft	0.0	Damp @ 13'	
	16-20 ft	0.0		OLFS4-DP13-S20
OLFS4-DP14	0-0.5 ft	0.0		
	0.5-2 ft	0.0		
	2-4 ft	0.0		
	4-6 ft	0.0		
	6-8 ft	0.0		
	8-12 ft	0.0	Damp @ 10'	
	12-16 ft	0.0		
	16-20 ft	0.0		OLFS4-DP14-S20
OLFS4-DP15	0-0.5 ft	0.0		
	0.5-2 ft	0.0		
	2-4 ft	0.0		
	4-6 ft	0.0		
	6-8 ft	0.0		
	8-12 ft	0.0		
	12-16 ft	0.0	Damp @ 15'	
	16-20 ft	0.0		OLFS4-DP15-S20
OLFS4-DP16	0-0.5 ft	0.0		
	0.5-2 ft	0.0		
	2-4 ft	0.0		
	4-6 ft	0.0		OLFS4-DP16-S6
	6-8 ft	0.0		
	8-12 ft	0.0		
	12-16 ft	0.0		
	16-20 ft	0.0		
OLFS4-DP17	0-0.5 ft	0.0		
	0.5-2 ft	0.0		
	2-4 ft	0.0		
	4-8 ft	0.0		
	8-12 ft	0.0		OLFS4-DP17-S10
	12-16 ft	0.0		
	16-20 ft	0.0		
OLFS4-DP18	0-0.5 ft	0.0		
	0.5-2 ft	0.0		
	2-4 ft	0.0		
	4-8 ft	1300	suspect reading	OLFS4-DP18-S6
	8-12 ft	0.0		
	12-16 ft	0.0		
	16-20 ft	0.0		

FIELD HEADSPACE SCREENING RESULTS
PERIMETER OF BLDG 807
SITE 4 REMEDIAL INVESTIGATION REPORT
OLF SAUFLEY
PENSACOLA, FL

SOIL BORING	SAMPLE DEPTH	HEADSPACE RESPONSE (ppm)	COMMENTS	LAB SAMPLES
OLFS4-DP19	0-0.5 ft	0.0		
	0.5-2 ft	0.0		
	2-4 ft	0.0		
	4-6 ft	0.0		
	6-8 ft	0.0		
	8-10 ft	0.0		
	10-12 ft	0.0		OLFS4-DP19-S12
	12-14 ft	0.0		
	14-16 ft	0.0		
	16-18 ft	0.0		
	16-20 ft	0.0		
OLFS4-DP20	0-0.5 ft	0.0		
	0.5-2 ft	0.0		
	2-4 ft	0.0		
	4-6 ft	0.0		
	6-8 ft	0.0		
	8-10 ft	0.0		OLFS4-DP20-S10
	10-12 ft	0.0		
	12-14 ft	0.0		
	14-16 ft	0.0		
	16-18 ft	0.0		
	16-20 ft	0.0		
OLFS4-DP21	0-0.5 ft	0.0		
	0.5-2 ft	0.0		
	2-4 ft	0.0		
	4-6 ft	0.0		
	6-8 ft	0.0		
	8-10 ft	0.0		OLFS4-DP21-S10
	10-12 ft	0.0		
	12-14 ft	0.0		
	14-16 ft	0.0		
	16-18 ft	0.0		
	18-20 FT	0.0		
OLFS4-DP22	0-0.5 ft	0.0		
	0.5-2 ft	0.0		
	2-4 ft	0.0		
	4-8 ft	0.0		
	6-8 ft	0.0		
	8-10 ft	0.0		
	10-12 ft	0.0		
	12-14 ft	0.0		
	14-16 ft	2.5		
	16-18 ft	18.0		OLFS4-DP22-S18
	18-20 ft	5.0		
	20-22 ft	0.0		
	22-24 ft	0.0		

FIELD HEADSPACE SCREENING RESULTS
PERIMETER OF BLDG 807
SITE 4 REMEDIAL INVESTIGATION REPORT
OLF SAUFLEY
PENSACOLA, FL

SOIL BORING	SAMPLE DEPTH	HEADSPACE RESPONSE (ppm)	COMMENTS	LAB SAMPLES
OLFS4-DP23	0-0.5 ft	0.0		
	0.5-2 ft	0.0		
	2-4 ft	0.0		
	4-6 ft	0.0		
	6-8 ft	0.0		
	8-10 ft	0.0		OLFS4-DP23-S8
	10-12 ft	0.0		
	12-14 ft	0.0		
	14-16 ft	0.0		
	16-18 ft	0.0		
	18-20 ft	0.0		
OLFS4-DP24	0-0.5 ft	0.0		
	0.5-2 ft	0.0		
	2-4 ft	0.0		
	4-8 ft	0.0		
	6-8 ft	0.0		
	8-10 ft	0.0		OLFS4-DP24-S8
	10-12 ft	0.0		
	12-14 ft	0.0		
	14-16 ft	0.0		
	16-18 ft	0.0		
	18-20 ft	0.0		
	20-22 ft	0.0		
	22-24 ft	0.0		
OLFS4-DP25	0-0.5 ft	0.0		
	0.5-2 ft	0.0		
	2-4 ft	0.0		
	4-6 ft	0.0		
	6-8 ft	0.0		
	8-10 ft	0.0		OLFS4-DP25-S10
	10-12 ft	0.0		
	12-14 ft	0.0		
	14-16 ft	0.0		
	16-18 ft	0.0		
	18-20 ft	0.0		
OLFS4-DP26	0-0.5 ft	0.0		
	0.5-2 ft	0.0		
	2-4 ft	0.0		
	4-6 ft	0.0		OLFS4-DP26-S6
	6-8 ft	0.0		
	8-10 ft	0.0		
	10-12 ft	0.0		
	12-14 ft	0.0		
	14-16 ft	0.0		
	16-18 ft	0.0		
	18-20 ft	0.0		

FIELD HEADSPACE SCREENING RESULTS
PERIMETER OF BLDG 807
SITE 4 REMEDIAL INVESTIGATION REPORT
OLF SAUFLEY
PENSACOLA, FL

SOIL BORING	SAMPLE DEPTH	HEADSPACE RESPONSE (ppm)	COMMENTS	LAB SAMPLES
OLFS4-DP27	0-0.5 ft	0.0		
	0.5-2 ft	0.0		
	2-4 ft	0.0		OLSF4-DP27-S4
	4-6 ft	0.0		
	6-8 ft	0.0		
	8-10 ft	0.0		
	10-12 ft	0.0		
	12-14 ft	0.0		
	14-16 ft	0.0		
	16-18 ft	0.0		
	18-20 ft	0.0		
OLFS4-DP28	0-0.5 ft	0.0		
	0.5-2 ft	0.0		
	2-4 ft	0.0		
	4-6 ft	0.0		
	6-8 ft	0.0		OLFS4-DP28-S8
	8-10 ft	0.0		
	10-12 ft	0.0		
	12-14 ft	0.0		
	14-16 ft	0.0		
	16-18 ft	0.0		
	18-20 ft	0.0		
OLFS4-DP29	0-0.5 ft	0.0		
	0.5-2 ft	0.0		
	2-4 ft	0.0		OLFS4-DP29-S4
	4-6 ft	0.0		
	6-8 ft	0.0		
	8-10 ft	0.0		
	10-12 ft	0.0		
	12-14 ft	0.0		
	14-16 ft	0.0		
	16-18 ft	0.0		
	18-20 ft	0.0		
OLFS4-DP30	0-0.5 ft	0.0		
	0.5-2 ft	0.0		
	2-4 ft	0.0		
	4-6 ft	0.0		
	6-8 ft	0.0		OLFS4-DP30-S8
	8-10 ft	0.0		
	10-12 ft	0.0		
	12-14 ft	0.0		
	14-16 ft	0.0		
	16-18 ft	0.0		
	18-20 ft	0.0		
	16-20 ft	0.0		

NOTES:
ft = feet
ppm = parts per million

SOIL BORING	SAMPLE DEPTH	HEADSPACE RESPONSE (ppm)	COMMENTS	LAB SAMPLES
OLFS4-DPW01	0-0.5 ft	0.0		
	0.5-2 ft	0.0		
	2-4 ft	0.0		
	4-6 ft	0.0		
	6-8 ft	0.0		
	8-10 ft	0.0		
	10-15 ft	0.0	Damp @ 14'	
	15-20 ft	0.0		
	20-25 ft	0.0		
	25-30 ft	0.0		
	35-40 ft	0.0		
	40-45 ft	0.0		OLFS4-DPW01-S45
	45-50 ft	0.0	Saturated @ 46'	
	50-55 ft	0.0		OLFS4-DPW01-G53-55
OLFS4-DPW02	0-0.5 ft	0.0		
	0.5-2 ft	0.0		
	2-4 ft	0.0		
	4-6 ft	0.0		
	6-8 ft	0.0		
	8-10 ft	0.0		OLFS4-DPW02-S10
	10-15 ft	0.0		
	15-20 ft	0.0		
	20-25 ft	0.0		
	25-30 ft	0.0		
	35-40 ft	0.0		
	40-45 ft	0.0		
	45-50 ft	0.0		
	50-55 ft	0.0		
OLFS4-DPW03	0-0.5 ft	0.0		
	0.5-2 ft	0.0		
	2-4 ft	0.0		
	4-6 ft	0.0		
	6-8 ft	0.0		
	8-10 ft	0.0		OLFS4-DPW03-S10
	10-15 ft	0.0	Damp @ 13'	
	15-20 ft	0.0		
	20-25 ft	0.0		
	25-30 ft	0.0		
	35-40 ft	0.0		
	40-45 ft	0.0		
	45-50 ft	22,558	Saturated @ 49'	
	50-55 ft	0.0		OLFS4-DPW03-G53-55

SOIL BORING	SAMPLE DEPTH	HEADSPACE RESPONSE (ppm)	COMMENTS	LAB SAMPLES
OLFS4-DPW04	0-0.5 ft	0.0		
	0.5-2 ft	0.0		
	2-4 ft	0.0		
	4-6 ft	0.0		
	6-8 ft	0.0		
	8-10 ft	0.0		OLFS4-DPW04-S10
	10-15 ft	0.0		
	15-20 ft	0.0		
	20-25 ft	0.0		
	25-30 ft	0.0		
	35-40 ft	0.0		
	40-45 ft	0.0		
	45-50 ft	0.0		
	50-55 ft	0.0		
OLFS4-DPW05	0-0.5 ft	0.0		
	0.5-2 ft	0.0		
	2-4 ft	0.0		
	4-6 ft	0.0		
	6-8 ft	0.0		
	8-10 ft	0.0		OLFS4-DPW05-S10
	10-15 ft	0.0		
	15-20 ft	0.0		
	20-25 ft	0.0		
	25-30 ft	0.0		
	35-40 ft	0.0		
	40-45 ft	0.0		
	45-50 ft	0.0	Saturated @ 47'	
	50-55 ft	0.0		OLFS4-DPW05-G53-55
OLFS4-DPW06	0-0.5 ft	0.0		
	0.5-2 ft	0.0		
	2-4 ft	0.0		
	4-6 ft	0.0		
	6-8 ft	0.0		
	8-10 ft	0.0		OLFS4-DPW06-S10
	10-15 ft	0.0		
	15-20 ft	0.0		
	20-25 ft	0.0		
	25-30 ft	0.0		
	35-40 ft	0.0		
	40-45 ft	0.0		
	45-50 ft	0.0		
	50-55 ft	0.0		

SOIL BORING	SAMPLE DEPTH	HEADSPACE RESPONSE (ppm)	COMMENTS	LAB SAMPLES
OLFS4-DPW07	0-0.5 ft	0.0		
	0.5-2 ft	0.0		
	2-4 ft	0.0		
	4-6 ft	0.0		
	6-8 ft	0.0		
	8-10 ft	0.0		OLFS4-DPW07-S10
	10-15 ft	0.0		
	15-20 ft	0.0	Damp @ 16'	
	20-25 ft	0.0		
	25-30 ft	0.0		
	35-40 ft	0.0		
	40-45 ft	0.0		
	45-50 ft	0.0		
	50-55 ft	0.0		OLFS4-DPW07-G53-55
OLFS4-DPW08	0-0.5 ft	0.0		
	0.5-2 ft	0.0		
	2-4 ft	0.0		
	4-6 ft	0.0		
	6-8 ft	0.0		
	8-10 ft	0.0		OLFS4-DPW08-S10
	10-15 ft	0.0	Damp @ 13'	
	15-20 ft	0.0		
	20-25 ft	0.0		
	25-30 ft	0.0		
	35-40 ft	0.0		
	40-45 ft	0.0		
	45-50 ft	0.0		
	50-55 ft	0.0		
OLFS4-DPW09	0-0.5 ft	0.0		
	0.5-2 ft	0.0		
	2-4 ft	0.0		
	4-6 ft	0.0		
	6-8 ft	0.0		
	8-10 ft	0.0		OLFS4-DPW09-S10
	10-15 ft	0.0		
	15-20 ft	0.0		
	20-25 ft	0.0		
	25-30 ft	0.0		
	35-40 ft	0.0		
	40-45 ft	0.0		
	45-50 ft	0.0		
	50-55 ft	0.0		OLFS4-DPW09-G53-55

SOIL BORING	SAMPLE DEPTH	HEADSPACE RESPONSE (ppm)	COMMENTS	LAB SAMPLES
OLFS4-DPW10	0-0.5 ft	0.0		
	0.5-2 ft	0.0		
	2-4 ft	0.0		
	4-6 ft	0.0		
	6-8 ft	0.0		
	8-10 ft	0.0		
	10-15 ft	0.0	Damp @ 15'	
	15-20 ft	0.0		
	20-25 ft	0.0		
	25-30 ft	0.0		
	35-40 ft	0.0		
	40-45 ft	0.0		
	45-50 ft	0.0		
	50-55 ft	0.0		OLFS4-DPW10-S45
OLFS4-DPW11	0-0.5 ft	0.0		
	0.5-2 ft	0.0		
	2-4 ft	0.0		
	4-6 ft	0.0		
	6-8 ft	0.0		
	8-10 ft	0.0		
	10-15 ft	0.0		
	15-20 ft	0.0		
	20-25 ft	0.0		
	25-30 ft	0.0		
	35-40 ft	7.6		
	40-45 ft	8.0		OLFS4-DPW11-S45
	45-50 ft	3.0		
	50-55 ft	7.1		OLFS4-DPW11-G53-55
OLFS4-DPW12	0-0.5 ft	0.0		
	0.5-2 ft	0.0		
	2-4 ft	0.0		
	4-6 ft	0.0		
	6-8 ft	0.0		
	8-10 ft	0.0		
	10-15 ft	0.0		
	15-20 ft	0.0		
	20-25 ft	0.0		
	25-30 ft	0.0		
	35-40 ft	5.9		
	40-45 ft	0.0	Damp @ 10'	
	45-50 ft	0.0		
	50-55 ft	0.0		OLFS4-DPW12-S45

SOIL BORING	SAMPLE DEPTH	HEADSPACE RESPONSE (ppm)	COMMENTS	LAB SAMPLES
OLFS4-DPW13	0-0.5 ft	0.0		
	0.5-2 ft	0.0		
	2-4 ft	1508		OLFS4-DPW13-s4
	4-6 ft	0.0		
	6-8 ft	0.0		
	8-10 ft	0.0		
	10-12 ft	0.0		
	12-14 ft	0.0		
	14-16 ft	0.0		
	16-18 ft	0.0		
	20-22 ft	0.0		
	24-26 ft	0.0	Damp at 25'	
	28-30 ft	0.0	Saturated @ 28'	
	32-24 ft	0.0		
	36-38 ft	0.0		OLFS4-DPW13-G34-36
OLFS4-DPW14	0-0.5 ft	0.0		
	0.5-2 ft	0.0		
	2-4 ft	0.0		
	4-6 ft	0.0		OLFS4-DPW14-S6
	6-8 ft	0.0		
	8-10 ft	0.0		
	10-12 ft	0.0		
	12-16 ft	0.0		
	18-20 ft	8.3		
	22-24 ft	0.0		
	24-26 ft	0.0	Damp @ 26'	
OLFS4-DPW15	0-0.5 ft	0.0		
	0.5-2 ft	0.0		
	2-4 ft	0.0		OLFS4-DPW15-S4
	4-6 ft	0.0		
	6-8 ft	0.0		
	8-10 ft	2.6		
	10-12 ft	0.0		
	14-16 ft	0.0		
	18-20 ft	0.0		
	22-24 ft	0.0		
	24-26 ft	0.0	Saturated @ 26'	
	28-30 ft	0.0		
	30-32 ft	0.0		
	32-34 ft	0.0		
	34-36 ft	0.0		
	36-38 ft	0.0		OLFS4-DPW15-G36-38
	38-40 ft	0.0		
	40-42 ft	0.0		
	42-44 ft	0.0		

SOIL BORING	SAMPLE DEPTH	HEADSPACE RESPONSE (ppm)	COMMENTS	LAB SAMPLES
OLFS4-DPW16	0-0.5 ft	0.0		
	0.5-2 ft	0.0		
	2-4 ft	0.0		OLFS4-DPW16-S4
	4-6 ft	0.0		
	6-8 ft	0.0		
	8-10 ft	0.0		
	10-12 ft	0.0		
	12-14 ft	0.0		
	14-16 ft	0.0		
	18-20 ft	0.0		
	20-22 ft	0.0		
	22-24 ft	0.0		
	24-26 ft	0.0		
	26-28 ft	0.0	Saturated @ 26'	
OLFS4-DPW17	0-0.5 ft	0.0		
	0.5-2 ft	0.0		
	2-4 ft	0.0		
	4-6 ft	0.0		
	6-8 ft	0.0		
	8-10 ft	0.0		
	10-12 ft	0.0		OLFS4-DPW17-S12
	12-14 ft	0.0		
	14-16 ft	0.0		
	16-18 ft	0.0		
	18-20 ft	0.0		
	20-22 ft	0.0		
	22-24 ft	0.0		
	24-26 ft	0.0	Saturated @ 26'	
	26-28 ft	0.0		
	28-30 ft	0.0		
	32-34 ft	0.0		
	34-36 ft	0.0		
	36-38 ft	0.0		OLFS4-DPW17-G34-36
	36-40 ft	0.0		
OLFS4-DPW18	0-0.5 ft	0.0		
	0.5-2 ft	0.0		
	2-4 ft	0.0		
	4-6 ft	0.0		
	6-8 ft	0.0		
	8-10 ft	0.0		
	10-12 ft	0.0		OLFS4-DPW18-S12
	12-14 ft	0.0		
	14-16 ft	0.0		
	16-18 ft	0.0		
	18-20 ft	0.0		
	20-22 ft	0.0		
	22-24 ft	0.0		
	24-26 ft	0.0		
	26-28 ft	0.0		

SOIL BORING	SAMPLE DEPTH	HEADSPACE RESPONSE (ppm)	COMMENTS	LAB SAMPLES
OLFS4-DPW19	0-0.5 ft	0.0		
	0.5-2 ft	0.0		
	2-4 ft	0.0		
	4-6 ft	0.0		
	6-8 ft	0.0		
	8-10 ft	0.0		
	10-12 ft	0.0		OLFS4-DPW19-S12
	12-14 ft	0.0		
	14-16 ft	0.0		
	16-18 ft	0.0		
	18-20 ft	0.0		
	20-22 ft	0.0		
	22-24 ft	0.0		
	24-26 ft	0.0		
	26-28 ft	0.0	Saturated @ 26'	
OLFS4-DPW20	0-0.5 ft	0.0		
	0.5-2 ft	0.0		
	2-4 ft	0.0		
	4-6 ft	0.0		
	6-8 ft	0.0		
	8-10 ft	0.0		
	10-12 ft	0.0		OLFS4-DPW20-S12
	12-14 ft	0.0		
	14-16 ft	0.0		
	16-18 ft	0.0		
	18-20 ft	0.0		
	20-22 ft	0.0		
	24-26 ft	0.0	Saturated @ 26'	
	26-28 ft	0.0		
	28-30 ft	0.0		
	30-32 ft	0.0		
OLFS4-DPW21	0-0.5 ft	0.0		
	0.5-2 ft	0.0		
	2-4 ft	0.0		
	4-6 ft	0.0		
	6-8 ft	0.0		
	8-10 ft	0.0		
	10-12 ft	0.0		OLFS4-DPW21-S12
	12-14 ft	0.0		
	14-16 ft	0.0		
	16-18 ft	0.0		
	18-20 ft	0.0		
	20-22 ft	0.0		
	22-24 ft	0.0		
	24-26 ft	0.0		
	28-30 ft	0.0		
	30-32 ft	0.0		

SOIL BORING	SAMPLE DEPTH	HEADSPACE RESPONSE (ppm)	COMMENTS	LAB SAMPLES
OLFS4-DPW22	0-0.5 ft	0.0		
	0.5-2 ft	0.0		
	2-4 ft	0.0		
	4-6 ft	0.0		
	6-8 ft	0.0		
	8-10 ft	0.0		
	10-12 ft	0.0		
	12-14 ft	0.0		
	14-16 ft	0.0		
	16-18 ft	0.0		
	18-20 ft	0.0		
	20-22 ft	0.0		
	22-24 ft	0.0		
	24-26 ft	0.0		
	28-30 ft	0.0	Saturated @ 28'	
	30-32 ft	0.0		OLFS4-DPW22-G32-34
OLFS4-DPW23	0-0.5 ft	0.0		
	0.5-2 ft	0.0		
	2-4 ft	0.0		
	4-6 ft	0.0		
	6-8 ft	0.0		
	8-10 ft	0.0		
	10-12 ft	0.0		
	12-14 ft	0.0		
	14-16 ft	0.0		
	16-18 ft	0.0		
	18-20 ft	0.0		
	20-22 ft	0.0		
	22-24 ft	0.0		
	24-26 ft	0.0		
	26-28 ft	0.0		
	28-30 ft	0.0	Saturated @ 28'	OLFS4-DPW23-S28
	30-32 ft	0.0		
	32-34 ft	0.0		OLFS4-DPW23-G30-32

SOIL BORING	SAMPLE DEPTH	HEADSPACE RESPONSE (ppm)	COMMENTS	LAB SAMPLES
OLFS4-DPW24	0-0.5 ft	0.0		
	0.5-2 ft	0.0		
	2-4 ft	0.0		
	4-6 ft	0.0		
	6-8 ft	0.0		
	8-10 ft	0.0		
	10-12 ft	0.0		
	12-14 ft	0.0		
	14-16 ft	0.0		
	16-18 ft	0.0		
	18-20 ft	0.0		
	20-22 ft	0.0		
	22-24 ft	0.0		
	24-26 ft	0.0		OLFS4-DPW24-S26
	26-28 ft	0.0	Saturated @ 28'	
	28-30 ft	0.0		
	30-32 ft	0.0		
	32-34 ft	0.0		
	34-36 ft	0.0		

NOTES:
ft = Feet
ppm = parts per million

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

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Project Site Name: Saufley Site 4
Project No.: 112G00389

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

Sample ID No.: OLFS4-DPB6-S10
Sample Location: OLFS4-DPB6
Sampled By: C. Dahn
C.O.C. No.:

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

GRAB SAMPLE DATA:

Date: 9-12-06	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time: 1600			
Method: hand auger	5-10	tan	fine sand
Monitor Reading (ppm):			

COMPOSITE SAMPLE DATA:

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

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
TCL VOCs + App IX	1x 40ml plastic	Y	
BTEX + MTBE	3x 40ml glass vial	Y	
TCL SVOCs, App IX, Pest, PCBs, herb, total metals	1x 16oz glass jar	Y	
SPLP TCL VOCs + App IX	1x 4oz glass jar	Y	
SPLP TCL VOCs, App IX, Pest, herb, metals	1x 16oz glass jar	Y	

OBSERVATIONS / NOTES:

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Page___ of ___

Project Site Name: Saufley Site 4
Project No.: 112G00389

Sample ID No.: SLFSY-DPB7-S10
Sample Location: SLFSY-DPB7
Sampled By: CJ
C.O.C. No.:

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

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

GRAB SAMPLE DATA:

Date: 9-12-06	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time: 1614	5-10	Brn	silty fine sand
Method: Auger			
Monitor Reading (ppm):			

COMPOSITE SAMPLE DATA:

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

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other

OBSERVATIONS / NOTES:

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

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Project Site Name: Saufley Site 4
Project No.: 112G00389

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

Sample ID No.: OLF54-DPB8-S10
Sample Location: OLF54-DPB8
Sampled By: C. Dan
C.O.C. No.:

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

GRAB SAMPLE DATA:

Date: 9-12-06	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time: 1635	5-10	Brown	silty fine sand
Method:			
Monitor Reading (ppm):			

COMPOSITE SAMPLE DATA:

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

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other

OBSERVATIONS / NOTES:

MAP:

Circle if Applicable:

MS/MSD | Duplicate ID No.:

Signature(s):

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SOIL & SEDIMENT SAMPLE LOG SHEET

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Project Site Name: Saufley Site 4
Project No.: 112G00389

Sample ID No.: OLFS4-DPB9-S10
Sample Location: OLFS4-DPB9
Sampled By: C. Dan
C.O.C. No.:

- [ ] Surface Soil
- [x] Subsurface Soil
- [ ] Sediment
- [ ] Other:
- [ ] QA Sample Type:

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

GRAB SAMPLE DATA:

Date: 9-12-06	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time: 1650	5'-10'	Brown	silty fine sand
Method: hand auger			
Monitor Reading (ppm):			

COMPOSITE SAMPLE DATA:

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

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other

OBSERVATIONS / NOTES:

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

C. Dan

Tetra Tech NUS, Inc.

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Project Site Name: Saufley Site 4
Project No.: 112G00389

Sample ID No.: OLFS4-DPB10-SW
Sample Location: OLFS4-DPB10
Sampled By: C. Dan
C.O.C. No.:

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

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

GRAB SAMPLE DATA:

Date: 9-12-05	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time: 1700	SW	Brown	silty fine sand
Method: hand auger			
Monitor Reading (ppm):			

COMPOSITE SAMPLE DATA:

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

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other

OBSERVATIONS / NOTES:

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

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Project Site Name: [redacted] RI site 4
Project No.:

Sample ID No.: OLFS4-DP17-S10
Sample Location: OLFS4
Sampled By: C.Dam
C.O.C. No.:

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

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

GRAB SAMPLE DATA:

Date: 9-6-06 / Time: 1535 / Method: DPT / Monitor Reading (ppm): 0.0	Depth	Color	Description (Sand, Silt, Clay, Moisture, etc.)
	8-10'	red	silty sand

COMPOSITE SAMPLE DATA:

Date: / Method: / Monitor Readings (Range in ppm):	Time	Depth	Color	Description (Sand, Silt, Clay, Moisture, etc.)

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
BTEX + MTBE	3 x 40 mL glass	Yes	
BTEX + MTBE	1 x 100 mL plastic	Yes	
PAH	1 x 4oz glass jar	Yes	
FL-PRO	1 x 4oz glass jar	Yes	

OBSERVATIONS / NOTES:

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

C Dam

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Project Site Name: site 4 RI OLFSatley
Project No.:

Sample ID No.: OLFS4-18-S6
Sample Location: DP 18
Sampled By: Coda
C.O.C. No.:

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

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

GRAB SAMPLE DATA:

Date: 9-6-06	Depth	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time: 1645	4'-6'	brn	silty sand
Method: DPT			
Monitor Reading (ppm): 1300			

COMPOSITE SAMPLE DATA:

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

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
PAH	1-4oz jar	Yes	
FL-PRO	1-4oz jar	Yes	
TPL VOC / BTEX MTBE	1 x 100 mL Plastic	Yes	
BTEX + MTBE	1 x 40 mL glass vial	Yes	
BTEX + MTBE	1 x 40 mL glass vial	Yes	
BTEX + MTBE	1 x 40 mL glass vial	Yes	

OBSERVATIONS / NOTES:

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

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Project Site Name: Site 4 RI Sanfley
Project No.:

Sample ID No.: OLFS4-19-312
Sample Location: OLFS4-19
Sampled By: C. Dell
C.O.C. No.:

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

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

GRAB SAMPLE DATA:

Date: 9-6-06	Depth	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time: 1755	10'-12'	lt brn	silty sand
Method: DPT			
Monitor Reading (ppm): 0.0			

COMPOSITE SAMPLE DATA:

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

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
BTEX + MTBE	1 X 40 mL glass	Yes	
BTEX + MTBE	1 X 40 mL glass	Yes	
BTEX + MTBE	1 X 40 mL glass	Yes	
EL-PRO	1 X 4 oz jar	Yes	
PAH	1 X 4 oz jar	Yes	
BTEX + MTBE	1 X 100 mL Amber	Yes	

OBSERVATIONS / NOTES:

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

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SOIL & SEDIMENT SAMPLE LOG SHEET

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Project Site Name: site 4 RI Saufley
Project No.:

Sample ID No.: DLFS4-DP20-S10
Sample Location: DLFS4-DP20
Sampled By: CJdn
C.O.C. No.:

- [ ] Surface Soil
- [x] Subsurface Soil
- [ ] Sediment
- [ ] Other:
- [ ] QA Sample Type:

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

GRAB SAMPLE DATA:

Date: 9-7-06 / Time: 1000 / Method: DPT / Monitor Reading (ppm): 0.0	Depth	Color	Description (Sand, Silt, Clay, Moisture, etc.)
	8-10'	red	fine silty sand

COMPOSITE SAMPLE DATA:

Date: / Method: / Monitor Readings (Range in ppm):	Time	Depth	Color	Description (Sand, Silt, Clay, Moisture, etc.)

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
PAH	1 x 4oz Jar		
FL-PRO	1 x 4oz glass jar		
BTEX + MTBE	1 x 40 mL glass vial		
BTEX + MTBE	1 x 40 mL glass vial		
BTEX + MTBE	1 x 40 mL glass vial		
BTEX + MTBE	1 x 100 mL plastic		

OBSERVATIONS / NOTES:

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

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Project Site Name: site 4 RI saufley
Project No.:

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

Sample ID No.: OLFS4-OP21-510
Sample Location: OLFS4-OP21
Sampled By: C.Dell
C.O.C. No.:

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

GRAB SAMPLE DATA:

Date: 9-7-06	Depth	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time: 1105	8-10'	red	silty fine sand
Method: DPT			
Monitor Reading (ppm): 0.0			

COMPOSITE SAMPLE DATA:

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

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
BTEX + MTBE	1 x 40 mL glass	Yes	
BTEX + MTBE	1 x 40 mL glass	Yes	
BTEX + MTBE	1 x 40 mL glass	Yes	
BTEX + MTBE	1 x 100 mL plastic	Yes	
PAH	1 x 4 oz glass jar	Yes	
EL-PRO	1 x 4 oz glass jar	Yes	

OBSERVATIONS / NOTES:

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

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Project Site Name: site 4 RI Saufley
Project No.:

Sample ID No.: DLFS4-DP22-S18
Sample Location: DLFS4-DP22
Sampled By: Code
C.O.C. No.:

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

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

GRAB SAMPLE DATA:

Date: 9-7-06	Depth	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time: 1210	16'-18'	red	fine silty sand
Method: DPT			
Monitor Reading (ppm):			

COMPOSITE SAMPLE DATA:

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

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
~~PAH + FL-PRO~~	~~1 x 4oz jar~~	~~No~~	
PAH + FL-PRO	1 x 16 oz jar	Yes	
As, Cd, Cr, Pb	1 x 4 oz jar	Yes	
~~pp~~ VOC BTEX	1 x 100 mL plastic	Yes	
BTEX + MTBE	3 x 40 mL glass vial	Yes	

OBSERVATIONS / NOTES:

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

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Project Site Name: site 4 RI saftey
Project No.:

Sample ID No.: OLFS4-DP23-S8
Sample Location: OLFS4-DP23
Sampled By: C.Odar
C.O.C. No.:

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

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

GRAB SAMPLE DATA:

Date: 9-7-06	Depth	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time: 1530	6-8		
Method: DPT			
Monitor Reading (ppm): 0.0			

COMPOSITE SAMPLE DATA:

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

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
BTEX + MTBE	3 X 40 mL dessicated	Yes	
BTEX + MTBE	1 X 100 mL plastic		
PAH	1 X 4oz glass jar		
EL-PRO	1 X 4oz glass jar		

OBSERVATIONS / NOTES:

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

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Project Site Name: site 4 RI Saftey
Project No.:

Sample ID No.: OLFS4-DP24-58
Sample Location: OLFS4-DP24
Sampled By: C.Odell
C.O.C. No.:

- [] Surface Soil
- [x] Subsurface Soil
- [] Sediment
- [] Other:
- [] QA Sample Type:

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

GRAB SAMPLE DATA:

Date: 9-7-06	Depth	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time:			
Method: DPT	6'-8'		
Monitor Reading (ppm):			

COMPOSITE SAMPLE DATA:

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

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
MTBE + MTBE	3x40mL vials		
PP(VOH + BTEX	1x100mL plastic		
PP As, Cd, Cr, Pb	1x4oz glass jar		
PCBs, PAH + PP-PRO	1x16oz glass jar		

OBSERVATIONS / NOTES:

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

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SOIL & SEDIMENT SAMPLE LOG SHEET

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Project Site Name: RI @ site 4 Saufley
Project No.:

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

Sample ID No.: 0LFS4-DP25-S10
Sample Location: 0LFS4-DP25
Sampled By: C. Odom
C.O.C. No.:

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

GRAB SAMPLE DATA:

	Depth	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Date: 9-8-06 Time: 0925 Method: DPT Monitor Reading (ppm):	8'-10	red	silty fine sand

COMPOSITE SAMPLE DATA:

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

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
BTEX + MTBE	3 + 40 mL glass vials	✓	
BTEX + MTBE	1 x 100 mL plastic	✓	
PAH	1 x 4 oz glass jar	✓	
FL-PRO	1 x 4 oz glass jar	✓	

OBSERVATIONS / NOTES:

MAP:

Circle if Applicable:

MS/MSD

Duplicate ID No.:

Signature(s): [signature]

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SOIL & SEDIMENT SAMPLE LOG SHEET

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Project Site Name: RI @ Site 4 Sawfly
Project No.:

Sample ID No.: OLFS4-DP26-
Sample Location: OLFS4-DP26
Sampled By:
C.O.C. No.:

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

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

GRAB SAMPLE DATA:

Date: 9-5-06	Depth	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time: 1045	4'-6'	Brown	silty fine sand
Method: DPT			
Monitor Reading (ppm): 13.5			

COMPOSITE SAMPLE DATA:

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

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
BTEX + MTBE	3 x 40mL glass vials	Yes	
BTEX + MTBE	1 x 500mL plastic	Yes	
PAH	1 x 4oz glass jar	Yes	
EL-PRO	1 x 4oz glass jar	Yes	

OBSERVATIONS / NOTES:

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

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SOIL & SEDIMENT SAMPLE LOG SHEET

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Project Site Name: RIC site 4 (south)
Project No.:

Sample ID No.: OLFS4-DP27 -S4
Sample Location: OLFS4-DP27
Sampled By: Cadon
C.O.C. No.:

[] Surface Soil
[x] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

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

GRAB SAMPLE DATA:

Date: 9-5-06	Depth	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time: 1135	2'-4'	brown	silty clayey fine sand
Method: Hand auger			
Monitor Reading (ppm): 0.0			

COMPOSITE SAMPLE DATA:

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

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
PP VOA's + ~~BTEX~~ BTEX	1 x 100mL plastic	Yes	DUP
PCB, PAH + FL-PRO	1 x 16 oz glass jar	Yes	DUP
BTEX + MTBE	3 x 40mL vials	Yes	DUP
As, Cd, Cr, Pb	1 x 4oz glass jar	Yes	DUP

OBSERVATIONS / NOTES:

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

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Project Site Name: RIQ Site 4 Sauth
Project No.:

Sample ID No.: [redacted]DLFS4-DP28-5&
Sample Location: DLFS4-DP28
Sampled By: C. Ellis
C.O.C. No.:

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

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

GRAB SAMPLE DATA:

Date: 9-8-06	Depth	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time:	6'-8'		
Method:			
Monitor Reading (ppm):			

COMPOSITE SAMPLE DATA:

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

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
BTEX + MTBE	3 x 40mL glass vial		
BTEX + MTBE	1 x 100mL plastic		
PAH	1 x 4oz glass jar		
TL-PRO	1 x 4oz glass jar		

OBSERVATIONS / NOTES:

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

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Project Site Name: RI Site 4 Saufley
Project No.:

Sample ID No.: OLFS4-DP29-S4
Sample Location: OLFS4-DP29
Sampled By: Codon
C.O.C. No.:

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

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

GRAB SAMPLE DATA:

Date: 9-8-06	Depth	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time:	2'-4'		
Method: Hand auger			
Monitor Reading (ppm): 3.0			

COMPOSITE SAMPLE DATA:

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

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
BTEX + MTBE	3x40mL glass vial	Yes	
BTEX + MTBE	1x100mL plastic	Yes	
PAH	1x4oz glass jar	Yes	
FL-PRO	1x4oz glass jar	Yes	

OBSERVATIONS / NOTES:

MAP:

Circle if Applicable:

MS/MSD

Duplicate ID No.: OLFS4-DUP025

Signature(s):

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Project Site Name: RI @ site 4 Saufley
Project No.:

Sample ID No.: OLFS4-DP30- S 8
Sample Location: OLFS4-DP30
Sampled By: C. Dolan
C.O.C. No.:

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

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

GRAB SAMPLE DATA:

Date: 9-8-06	Depth	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time:			
Method: DPT	6-8	brn	@ silty fine sand
Monitor Reading (ppm): 0.0			

COMPOSITE SAMPLE DATA:

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

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
BTEX + MTBE	3 x 40mL glass vial	Yes	
PCB, PAH, FL-PRO	1 x 8oz glass jar	Yes	
PA/VOHs + BTEX + MTBE	1 x 100 mL vial	Yes	
As, Cd, Cr, Pb	1 x 4oz glass jar	Yes	

OBSERVATIONS / NOTES:

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

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Project Site Name: Site 4 RI Surface
Project No.:

Sample ID No.: OLF54-DPW13-S4
Sample Location: OLF54-DPW13
Sampled By: C. Odom
C.O.C. No.:

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

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

GRAB SAMPLE DATA:

Date: 9-11-06	Depth	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time: 1542	2-4	BRN	Silty fine sand
Method: Hand auger			
Monitor Reading (ppm): 1352			

COMPOSITE SAMPLE DATA:

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

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
TCL VOCs + Appendix IX	1 x 100 ml plastic vial	Yes	
TCL SVOCs + Appendix IX; PCBs;	1 x 16 oz glass jar	Yes	
TRPH, TAL metals			
BTEX + MTBE	2 x 40 ml glass vials	Yes	
+ SPLP			
10 Samples total			

OBSERVATIONS / NOTES:

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

C. Odom

Tetra Tech NUS, Inc.

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Project Site Name: Site 4 RI Sawfly
Project No.:

Sample ID No.: OLF54-DP014-SG
Sample Location:
Sampled By:
C.O.C. No.:

- [] Surface Soil
- [] Subsurface Soil
- [] Sediment
- [] Other:
- [] QA Sample Type:

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

GRAB SAMPLE DATA:

Date: 9-11-06	Depth	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time: 1615	4-6	brn	clayey silty fine sand
Method: hand auger			
Monitor Reading (ppm): 536			

COMPOSITE SAMPLE DATA:

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

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
TCL VOCs + App IX	1 X 100 mL plastic	Yes	
DTEP + MTBE	3 X 40 mL glass vials	Yes	
TCL VOCs, App IX, PCBs, TRPH, metals	1 X 1602 jar	Yes	

OBSERVATIONS / NOTES:

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

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SOIL & SEDIMENT SAMPLE LOG SHEET

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Project Site Name: Saufley Site 4
Project No.: 112G00389

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

Sample ID No.: OLFS4-DPWS-S4
Sample Location: OLFS4-DPW15
Sampled By: LDL
C.O.C. No.:

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

GRAB SAMPLE DATA:

Date: 9-11-06	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time: 1640	2-4	Brn	clayey silty fine soil
Method: hand auger			
Monitor Reading (ppm): 744			

COMPOSITE SAMPLE DATA:

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

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
BTEX + MTBE	3 x 40 mL vials		
TCL VOCs + Appendix IX	1 x 100 mL plastic vial		
TCL SVOCs + Appendix IX, PCBs, TRPH + TAL metals	1 x 16 oz glass jar		

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: Saufley Site 4
Project No.: 112G00389

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

Sample ID No.: DLFS4-OPW16-S4
Sample Location: DLFS4-OPW16
Sampled By: C.Oder
C.O.C. No.:

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

GRAB SAMPLE DATA:

Date: 9-11-06 / Time: 1655 / Method: Hand auger / Monitor Reading (ppm): 716	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
	2-4	Brown	clayey, silty fine sand

COMPOSITE SAMPLE DATA:

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

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
TCL VOCs + Appendix IX	1x 40mL plastic vial	Y	
TCL SVOCs, Appendix IX, PCBs, TRPH, + TAL metals	1x 16oz glass jar	Y	
BTEX + MTBE	3x 40mL glass vial	Y	

OBSERVATIONS / NOTES:

MAP:

Circle if Applicable:

MS/MSD

Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Page___ of ___

Project Site Name: Saufley Site 4
Project No.: 112G00389

Sample ID No.: SLFS4-DPW17-S-12
Sample Location: SLFS4-DPW17
Sampled By: C. Sodano
C.O.C. No.:

[] Surface Soil
[] ~~Subsurface Soil~~
[] Sediment
[] Other:
[] QA Sample Type:

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

GRAB SAMPLE DATA:

Date: 9-11-06	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time: 1710	10-12	Red	silty fine sand
Method: DPT			
Monitor Reading (ppm): 0.0			

COMPOSITE SAMPLE DATA:

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

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
BTEX + MTBE	3 x 40mL glass vial	Y-1	
TCL VOCs + Appendix IX	1 x 100mL Plastic		
TCL SVOCs + Appendix IX, Pest.			
TRPH, & TAL Metals	1 x 1602 glass jar		

OBSERVATIONS / NOTES:

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Page___ of ___

Project Site Name: Saufley Site 4
Project No.: 112G00389

Sample ID No.: OLFS4-DPW18-S12
Sample Location: OLFS4-DPW18
Sampled By: C.Dan
C.O.C. No.:

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

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

GRAB SAMPLE DATA:

Date: 9-12-06	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time: 0757	10-12	red	clayey silt, little sand
Method: DPT			
Monitor Reading (ppm): 0.0			

COMPOSITE SAMPLE DATA:

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

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
BTEX + MTBE	3 x 40ml glass vial		
TCL VOCs + Appendix IX	1 x 100ml plastic/glass		
TCL SVOCs, Appendix IX, PCBs,			
TRPH, + Total metals	1 x 16 oz jar		

OBSERVATIONS / NOTES:

MAP:

Circle if Applicable:

MS/MSD

Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Page___ of ___

Project Site Name: Saufley Site 4
Project No.: 112G00389

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

Sample ID No.: DLFS4-DPW19-512
Sample Location: DLFS4-DPW19
Sampled By: Coclon
C.O.C. No.:

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

GRAB SAMPLE DATA:

Date: 9-12-06	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time: 0819	10-12	red	clayey, silty, fine sand
Method: DPT			
Monitor Reading (ppm): 0.0			

COMPOSITE SAMPLE DATA:

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

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
BTEX + MTBE	3 x 40 mL glass vial		
TCL VOCs + Appendix IX	1 x 100 mL plastic		
TCL SVOCs, Appendix IX, PCBs	1 x 16oz glass jar		
TRPH + TAL metals			

OBSERVATIONS / NOTES:

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Page___ of ___

Project Site Name: Saufley Site 4
Project No.: 112G00389

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

Sample ID No.: OLF54-DPW20-512
Sample Location: OLF54-DPW20
Sampled By: Cook
C.O.C. No.:

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

GRAB SAMPLE DATA:

Date: 9-12-06	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time: 0843	10-12	Red	Clayey, Silty fine sand
Method: DPT			
Monitor Reading (ppm): 0.0			

COMPOSITE SAMPLE DATA:

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

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
DTEX + MTBE	3x 40mL glass vials		
TCL VOCs + Appendix IX	1x 100 mL plastic		
TCL SVOCs, Appendix IX PCBs, TRPH & TAL metals	1x 16		

OBSERVATIONS / NOTES:

MAP:

Circle if Applicable:

MS/MSD | Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Page___ of ___

Project Site Name: Saufley Site 4
Project No.: 112G00389

Sample ID No.: DLFS4-DPW21-SB
Sample Location: DLFS4-DPW21
Sampled By: C. Odom
C.O.C. No.:

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

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

GRAB SAMPLE DATA:

Date: 9-12-06	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time: 0915	10-12	Red	silty fine sand
Method: DPT			
Monitor Reading (ppm): 0.0			

COMPOSITE SAMPLE DATA:

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

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
BTEX + MTBE	3 x 40 mL glass vial	4	
TCL VOCs + Appendix IX	1 x 100 mL plastic	4	
TCL SVOCs Appendix IX, PCBs, TRPH & TAL metals	1 x 16 oz glass jar	4	

OBSERVATIONS / NOTES:

MAP:

Circle if Applicable:

MS/MSD

Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Page___ of ___

Project Site Name: RI Site 4 Safety
Project No.:

Sample ID No.: OLFS4-DPW22-526
Sample Location: DPW22
Sampled By: C. Odom
C.O.C. No.:

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

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

GRAB SAMPLE DATA:

Date: 9-11-06	Depth	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time: 0945	22-24	Brn	fine sand
Method: DPT			
Monitor Reading (ppm): 0.0			

COMPOSITE SAMPLE DATA:

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

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
TCL VOCs + App IX, ~~TAL Metals~~ Perchlorate	1 x 100mL plastic	Yes	
TCL SVOCs + Appendix IX, PCBs, TRPH, + TAL metals	1 x 16oz glass jar	Yes	
BTEX + MTBE	3 x 40 mL glass vial	Yes	

OBSERVATIONS / NOTES:

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Page___ of ___

Project Site Name: Saufley Site 4
Project No.: 112G00389

Sample ID No.: OLFS4-DPW24-S 26
Sample Location: OLFS4-DPW24
Sampled By: C. Ode
C.O.C. No.:

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

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

GRAB SAMPLE DATA:

Date: 9-12-06	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time: 1043	24-26	red	silty fine sand
Method: DPT			
Monitor Reading (ppm): 0.0			

COMPOSITE SAMPLE DATA:

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

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
TCL VOCs + Appendix IX	1 x 100 mL plastic	Y	
BTEX + MTBE	3 x 40 mL glass	Y	
TCL SVOCs, Appendix IX, PCBs, TRPH + TAL metals	1 x 16 oz glass	Y	
SPLP TCL VOCs + Appendix IX	1 x 100 mL plastic	Y	
SPLP BTEX + MTBE	3 x 40 mL glass	Y	
SPLP SVOCs, Appendix IX, PCB, TRPH + TAL metals	1 x 16 oz glass	Y	

OBSERVATIONS / NOTES:

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

APPENDIX D

MONITORING WELL COMPLETION LOGS

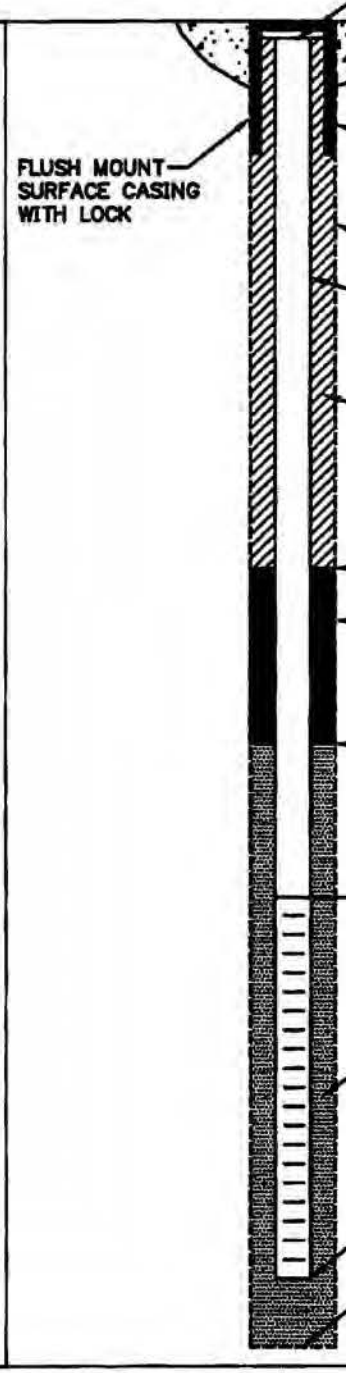
WELL NO.: OLFS4-MW-01D2

Tetra Tech NUS, Inc.

OVERBURDEN
MONITORING WELL SHEET
FLUSH - MOUNT

PROJECT: Saufley Site 4	LOCATION: Pensacola, FL	DRILLER: ProSonic
PROJECT NO.: 112G00389	BORING: MW-01D2	DRILLING METHOD: Sonic
DATE BEGUN: 11-29-06	DATE COMPLETED: 11-29-06	
FIELD GEOLOGIST: Gary J. Davis		DEVELOPMENT METHOD: Pump & Surge
GROUND ELEVATION:	DATUM:	

ACAD: FORM_MWFN.dwg 07/28/99 TNL



ELEVATION TOP OF RISER: _____

TYPE OF SURFACE SEAL: 2' X 2' Concrete Pad

TYPE OF PROTECTIVE CASING: 8-inch Steel Manhole

I.D. OF PROTECTIVE CASING: 10-inch Skirt

DIAMETER OF HOLE: 6-Inch

TYPE OF RISER PIPE: Schedule 40 PVC

RISER PIPE I.D.: 2-Inch

TYPE OF BACKFILL/SEAL: Portland/ Bentonite Grout

ELEVATION/DEPTH TOP OF SEAL: 121

TYPE OF SEAL: 30/65 Fine Sand

ELEVATION/DEPTH TOP OF SAND: 123

ELEVATION/DEPTH TOP OF SCREEN: 125

TYPE OF SCREEN: Schedule 40 PVC

SLOT SIZE x LENGTH: 0.010-inch X 5 Feet

TYPE OF SAND PACK: 20/30 Sand

ELEVATION / DEPTH BOTTOM OF SCREEN: Sand after bent 130

ELEVATION / DEPTH BOTTOM OF SAND: bent 135' 141

ELEVATION/DEPTH BOTTOM OF HOLE: 141

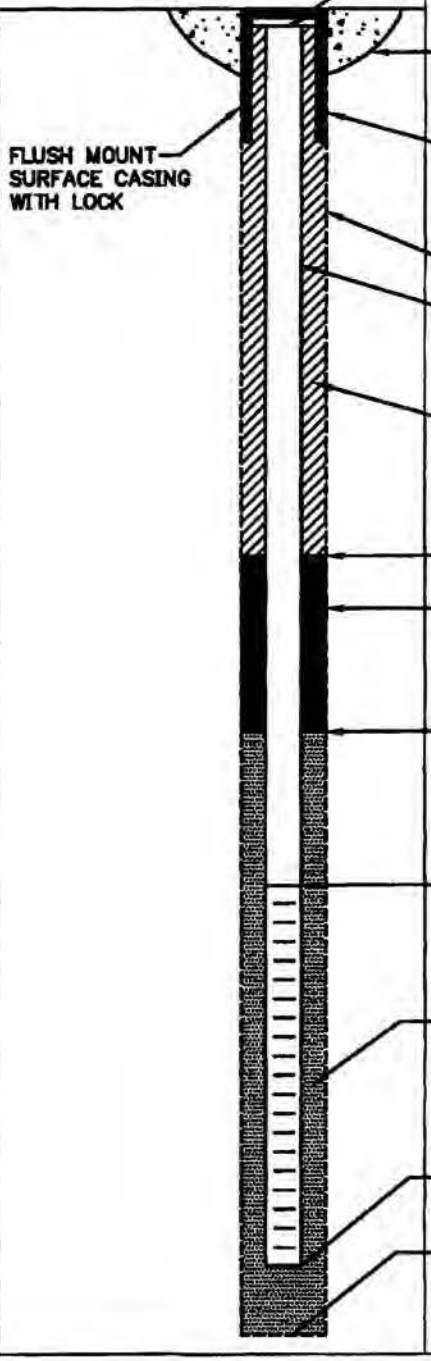
BACKFILL MATERIAL BELOW SAND: Natural

WELL NO.: OLFS4-MW-02-D

Tetra Tech NUS, Inc.

OVERBURDEN
MONITORING WELL SHEET
FLUSH - MOUNT

PROJECT: Saufley Site 4	LOCATION: Pensacola, FL	DRILLER: ProSonic
PROJECT NO.: 112G00389	BORING: MW-02D	DRILLING METHOD: Sonic
DATE BEGUN: 11-29-06	DATE COMPLETED: 11-29-06	
FIELD GEOLOGIST: Gary J. Davis		DEVELOPMENT METHOD: Pump & Surge
GROUND ELEVATION:	DATUM:	



ELEVATION TOP OF RISER: _____

TYPE OF SURFACE SEAL: 2' X 2' Concrete Pad

TYPE OF PROTECTIVE CASING: 8-inch Steel Manhole

I.D. OF PROTECTIVE CASING: 10-inch Skirt

DIAMETER OF HOLE: 6-Inch

TYPE OF RISER PIPE: Schedule 40 PVC

RISER PIPE I.D.: 2-Inch

TYPE OF BACKFILL/SEAL: Portland/ Bentonite Grout

ELEVATION/DEPTH TOP OF SEAL: 171

TYPE OF SEAL: 30/65 Fine Sand

ELEVATION/DEPTH TOP OF SAND: 173

ELEVATION/DEPTH TOP OF SCREEN: 175

TYPE OF SCREEN: Schedule 40 PVC

SLOT SIZE x LENGTH: 0.010-Inch X 5 Feet

TYPE OF SAND PACK: 20/30 Sand

ELEVATION / DEPTH BOTTOM OF SCREEN: 180

ELEVATION / DEPTH BOTTOM OF SAND: 180

ELEVATION/DEPTH BOTTOM OF HOLE: 180

BACKFILL MATERIAL BELOW SAND: Native

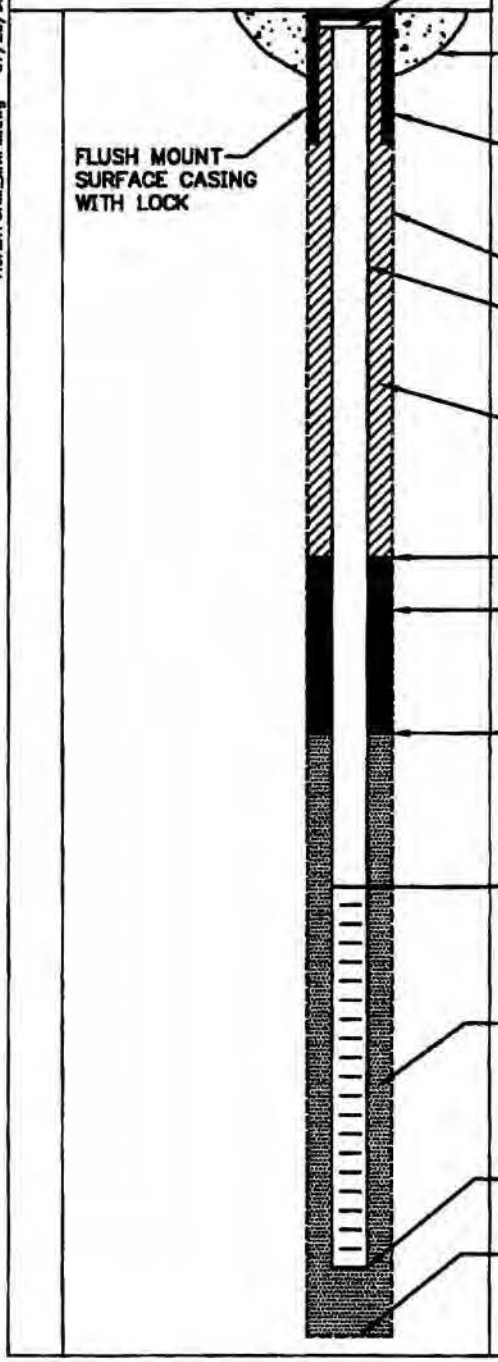
ACAD:FORM_MWFM.dwg 07/26/06 TNI

WELL NO.: OLFS4-MW-03-S

Tetra Tech NUS, Inc.

OVERBURDEN
MONITORING WELL SHEET
FLUSH - MOUNT

PROJECT: Saufley Site 4	LOCATION: Pensacola, FL	DRILLER: ProSonic
PROJECT NO.: 112G00389	BORING: MW-03-S	DRILLING METHOD: Sonic
DATE BEGUN: 11-30-06	DATE COMPLETED: 11-30-06	
FIELD GEOLOGIST: Gary J. Davis		DEVELOPMENT METHOD: Pump & Surge
GROUND ELEVATION:	DATUM:	



ELEVATION TOP OF RISER: _____

TYPE OF SURFACE SEAL: 2' X 2' Concrete Pad

TYPE OF PROTECTIVE CASING: 8-inch Steel Manhole

I.D. OF PROTECTIVE CASING: 10-Inch Skirt

DIAMETER OF HOLE: 6-Inch

TYPE OF RISER PIPE: Schedule 40 PVC

RISER PIPE I.D.: 2-Inch

TYPE OF BACKFILL/SEAL: Portland/ Bentonite Grout

ELEVATION/DEPTH TOP OF SEAL: 136

TYPE OF SEAL: 30/65 Fine Sand

ELEVATION/DEPTH TOP OF SAND: 138

ELEVATION/DEPTH TOP OF SCREEN: 140

TYPE OF SCREEN: Schedule 40 PVC

SLOT SIZE x LENGTH: 0.010-inch X 20 Feet

TYPE OF SAND PACK: 20/30 Sand

ELEVATION / DEPTH BOTTOM OF SCREEN: 160

ELEVATION / DEPTH BOTTOM OF SAND: 160

ELEVATION/DEPTH BOTTOM OF HOLE: 160

BACKFILL MATERIAL BELOW SAND: Native

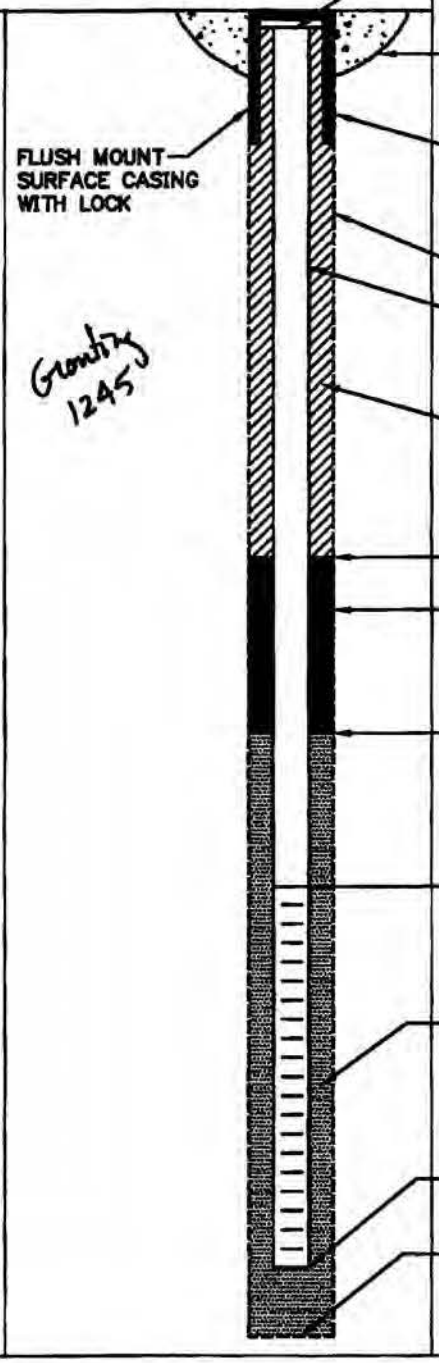
ACAD: FORM_MWFM.dwg 07/28/99 TNL

WELL NO.: OLFS4-MW-04D

OVERBURDEN MONITORING WELL SHEET FLUSH - MOUNT

Tetra Tech NUS, Inc.

PROJECT	Saufley Site 4	LOCATION	Pensacola, FL	DRILLER	ProSonic
PROJECT NO.	112G00389	BORING	MW-04D	DRILLING METHOD	Sonic
DATE BEGUN	11-30-06	DATE COMPLETED	11-30-06		
FIELD GEOLOGIST	Gary J. Davis			DEVELOPMENT METHOD	Pump & Surge
GROUND ELEVATION		DATUM			



ELEVATION TOP OF RISER: _____

TYPE OF SURFACE SEAL: 2' X 2' Concrete Pad

TYPE OF PROTECTIVE CASING: 8-inch Steel Manhole

I.D. OF PROTECTIVE CASING: 10-inch Skirt

DIAMETER OF HOLE: 6-Inch

TYPE OF RISER PIPE: Schedule 40 PVC

RISER PIPE I.D.: 2-Inch

TYPE OF BACKFILL/SEAL: Portland/ Bentonite Grout

ELEVATION/DEPTH TOP OF SEAL: 171

TYPE OF SEAL: 30/65 Fine Sand

ELEVATION/DEPTH TOP OF SAND: 173

ELEVATION/DEPTH TOP OF SCREEN: 175

TYPE OF SCREEN: Schedule 40 PVC

SLOT SIZE x LENGTH: 0.010-inch X 5 Feet

TYPE OF SAND PACK: 20/30 Sand

ELEVATION / DEPTH BOTTOM OF SCREEN: 180

ELEVATION / DEPTH BOTTOM OF SAND: 181

ELEVATION/DEPTH BOTTOM OF HOLE: 181

BACKFILL MATERIAL BELOW SAND: Natural

ACAD: FORM_MWFM.dwg 07/28/99 TNL

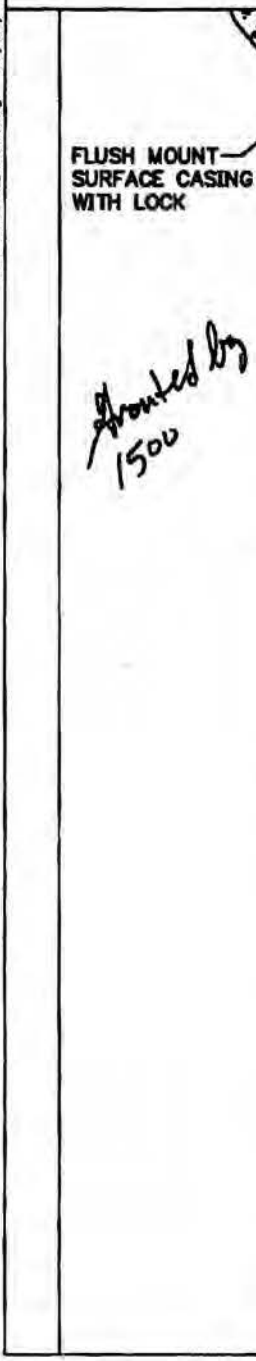
WELL NO.: OLFS4-MW-05-S

Tetra Tech NUS, Inc.

OVERBURDEN
MONITORING WELL SHEET
FLUSH - MOUNT

PROJECT: Saufley Site 4	LOCATION: Pensacola, FL	DRILLER: ProSonic
PROJECT NO.: 112G00389	BORING: MW-05S	DRILLING METHOD: Sonic
DATE BEGUN: 11-30-06	DATE COMPLETED: 11-30-06	
FIELD GEOLOGIST: Gary J. Davis		DEVELOPMENT METHOD: Pump & Surge
GROUND ELEVATION:	DATUM:	

ACAD: FORM_MWFM.dwg 07/28/98 INL



ELEVATION TOP OF RISER: _____

TYPE OF SURFACE SEAL: 2' X 2' Concrete Pad

TYPE OF PROTECTIVE CASING: 8-inch Steel Manhole

I.D. OF PROTECTIVE CASING: 10-inch Skirt

DIAMETER OF HOLE: 6-Inch

TYPE OF RISER PIPE: Schedule 40 PVC

RISER PIPE I.D.: 2-Inch

TYPE OF BACKFILL/SEAL: Portland/ Bentonite Grout

ELEVATION/DEPTH TOP OF SEAL: 136

TYPE OF SEAL: 30/65 Fine Sand

ELEVATION/DEPTH TOP OF SAND: 138

ELEVATION/DEPTH TOP OF SCREEN: 140

TYPE OF SCREEN: Schedule 40 PVC

SLOT SIZE x LENGTH: 0.010-inch X 15 Feet

TYPE OF SAND PACK: 20/30 Sand

ELEVATION / DEPTH BOTTOM OF SCREEN: 155

ELEVATION / DEPTH BOTTOM OF SAND: 155

ELEVATION/DEPTH BOTTOM OF HOLE: 155

BACKFILL MATERIAL BELOW SAND: Natural

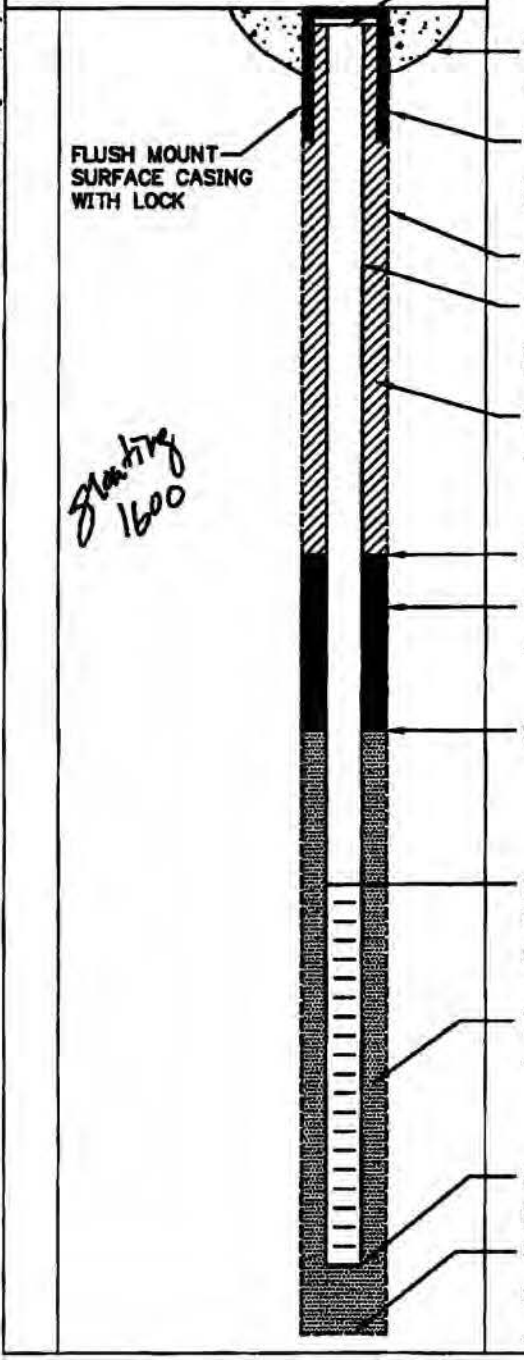
WELL NO.: OLFS4-MW-06-S

Tetra Tech NUS, Inc.

OVERBURDEN
MONITORING WELL SHEET
FLUSH - MOUNT

PROJECT: Saufley Site 4	LOCATION: Pensacola, FL	DRILLER: ProSonic	
PROJECT NO.: 112G00389	BORING: MW-06-S	DRILLING METHOD: Sonic	
DATE BEGUN: 11-30-06	DATE COMPLETED: 11-30-06		
FIELD GEOLOGIST: Gary J. Davis		DEVELOPMENT METHOD: Pump & Surge	
GROUND ELEVATION:	DATUM:		

ACAD:FORM_MWFM.dwg 07/20/99 INL



ELEVATION TOP OF RISER: _____

TYPE OF SURFACE SEAL: 2' X 2' Concrete Pad

TYPE OF PROTECTIVE CASING: 8-inch Steel Manhole

I.D. OF PROTECTIVE CASING: 10-inch Skirt

DIAMETER OF HOLE: 6-Inch

TYPE OF RISER PIPE: Schedule 40 PVC

RISER PIPE I.D.: 2-Inch

TYPE OF BACKFILL/SEAL: Portland/ Bentonite Grout

ELEVATION/DEPTH TOP OF SEAL: 136

TYPE OF SEAL: 30/65 Fine Sand

ELEVATION/DEPTH TOP OF SAND: 138

ELEVATION/DEPTH TOP OF SCREEN: 140

TYPE OF SCREEN: Schedule 40 PVC

SLOT SIZE x LENGTH: 0.010-inch X 15 Feet

TYPE OF SAND PACK: 20/30 Sand

ELEVATION / DEPTH BOTTOM OF SCREEN: 155

ELEVATION / DEPTH BOTTOM OF SAND: 155

ELEVATION/DEPTH BOTTOM OF HOLE: 155

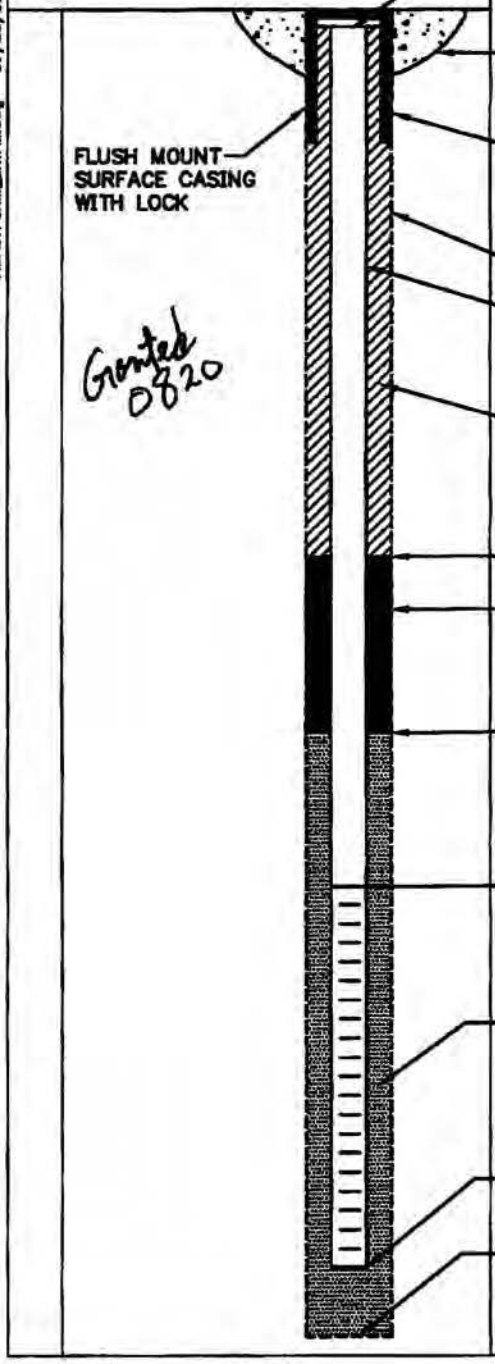
BACKFILL MATERIAL BELOW SAND: Native

WELL NO.: OLFS4-MW-07-S

Tetra Tech NUS, Inc.

OVERBURDEN
MONITORING WELL SHEET
FLUSH - MOUNT

PROJECT: Saufley Site 4	LOCATION: Pensacola, FL	DRILLER: ProSonic
PROJECT NO.: 112G00389	BORING: MW-07S	DRILLING METHOD: Sonic
DATE BEGUN: 11-30-05 12-1-05	DATE COMPLETED: 11-30-05 12-1-05	
FIELD GEOLOGIST: Gary J. Davis	DATUM:	DEVELOPMENT METHOD: Pump & Surge
GROUND ELEVATION:		



ELEVATION TOP OF RISER: _____

TYPE OF SURFACE SEAL: 2' X 2' Concrete Pad

TYPE OF PROTECTIVE CASING: 8-inch Steel Manhole

I.D. OF PROTECTIVE CASING: 10-inch Skirt

DIAMETER OF HOLE: 6-Inch

TYPE OF RISER PIPE: Schedule 40 PVC

RISER PIPE I.D.: 2-Inch

TYPE OF BACKFILL/SEAL: Portland/ Bentonite Grout

ELEVATION/DEPTH TOP OF SEAL: 136

TYPE OF SEAL: 30/65 Fine Sand

ELEVATION/DEPTH TOP OF SAND: 138

ELEVATION/DEPTH TOP OF SCREEN: 140

TYPE OF SCREEN: Schedule 40 PVC

SLOT SIZE x LENGTH: 0.010-inch X 15 Feet

TYPE OF SAND PACK: 20/30 Sand

ELEVATION / DEPTH BOTTOM OF SCREEN: 155

ELEVATION / DEPTH BOTTOM OF SAND: 155

ELEVATION/DEPTH BOTTOM OF HOLE: 155

BACKFILL MATERIAL BELOW SAND: Natural

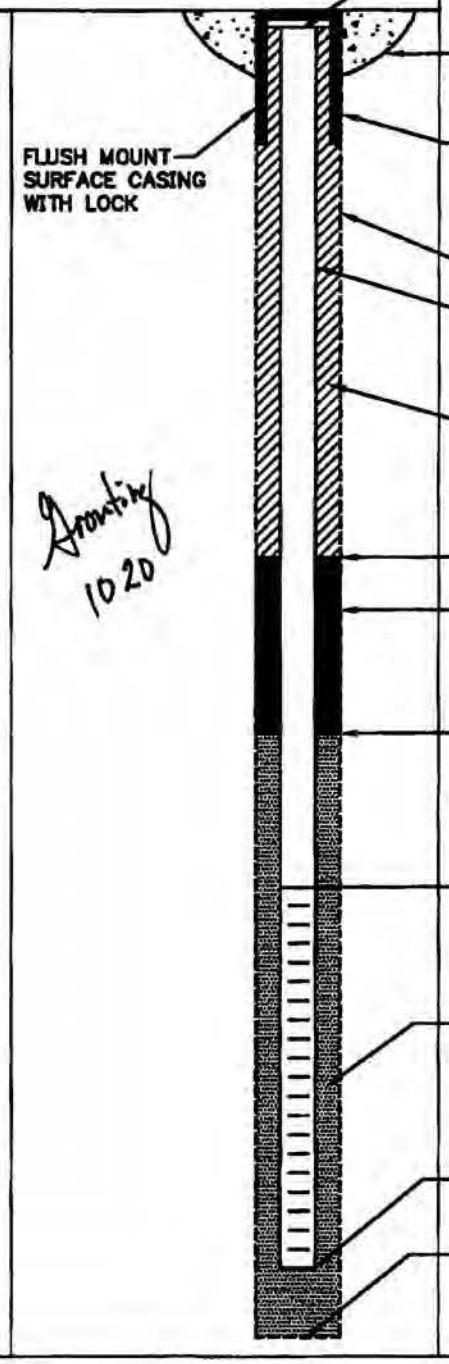
ACAD: FORM_MWFN.dwg 07/28/99 TNL

WELL NO.: OLFS4-MW-08-S

Tetra Tech NUS, Inc.

OVERBURDEN MONITORING WELL SHEET FLUSH - MOUNT

PROJECT: Saufley Site 4	LOCATION: Pensacola, FL	DRILLER: ProSonic	
PROJECT NO.: 112G00389	BORING: MW-08-S	DRILLING METHOD: Sonic	
DATE BEGUN: 12-1-06	DATE COMPLETED: 12-1-06		
FIELD GEOLOGIST: Gary J. Davis		DEVELOPMENT METHOD: Pump & Surge	
GROUND ELEVATION:	DATUM:		



ELEVATION TOP OF RISER: _____

TYPE OF SURFACE SEAL: 2' X 2' Concrete Pad

TYPE OF PROTECTIVE CASING: 8-inch Steel Manhole

I.D. OF PROTECTIVE CASING: 10-inch Skirt

DIAMETER OF HOLE: 6-Inch

TYPE OF RISER PIPE: Schedule 40 PVC

RISER PIPE I.D.: 2-Inch

TYPE OF BACKFILL/SEAL: Portland/ Bentonite Grout

ELEVATION/DEPTH TOP OF SEAL: 136

TYPE OF SEAL: 30/65 Fine Sand

ELEVATION/DEPTH TOP OF SAND: 138

ELEVATION/DEPTH TOP OF SCREEN: 140

TYPE OF SCREEN: Schedule 40 PVC

SLOT SIZE x LENGTH: 0.010-inch X 15 Feet

TYPE OF SAND PACK: 20/30 Sand

ELEVATION / DEPTH BOTTOM OF SCREEN: 155

ELEVATION / DEPTH BOTTOM OF SAND: 155

ELEVATION/DEPTH BOTTOM OF HOLE: 155

BACKFILL MATERIAL BELOW SAND: Natural

ACAD: FORM_MWFM.dwg 07/26/99 INL

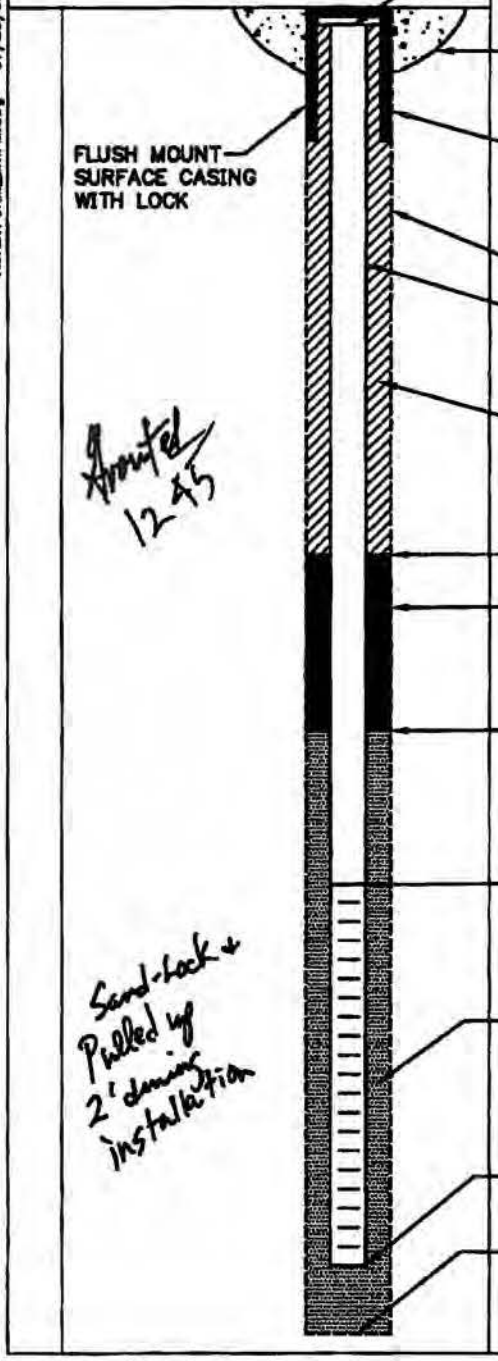
WELL NO.: OLFS4-MW-09-S

Tetra Tech NUS, Inc.

OVERBURDEN
MONITORING WELL SHEET
FLUSH - MOUNT

PROJECT: Saufley Site 4	LOCATION: Pensacola, FL	DRILLER: ProSonic
PROJECT NO.: 112G00389	BORING: MW-09-S	DRILLING METHOD: Sonic
DATE BEGUN: 12-1-06	DATE COMPLETED: 12-1-06	
FIELD GEOLOGIST: Gary J. Davis		DEVELOPMENT METHOD: Pump & Surge
GROUND ELEVATION:	DATUM:	

ACAD:FORM_MWFM.dwg 07/29/99 INL



ELEVATION TOP OF RISER: _____

TYPE OF SURFACE SEAL: 2' X 2' Concrete Pad

TYPE OF PROTECTIVE CASING: 8-inch Steel Manhole

I.D. OF PROTECTIVE CASING: 10-inch Skirt

DIAMETER OF HOLE: 6-Inch

TYPE OF RISER PIPE: Schedule 40 PVC

RISER PIPE I.D.: 2-Inch

TYPE OF BACKFILL/SEAL: Portland/ Bentonite Grout

ELEVATION/DEPTH TOP OF SEAL: 136

TYPE OF SEAL: 30/65 Fine Sand

ELEVATION/DEPTH TOP OF SAND: 136 (was 136) bgs

ELEVATION/DEPTH TOP OF SCREEN: 140 (was 138) bgs

TYPE OF SCREEN: Schedule 40 PVC

SLOT SIZE x LENGTH: 0.010-inch X 15 Feet

TYPE OF SAND PACK: 20/30 Sand

ELEVATION / DEPTH BOTTOM OF SCREEN: 155 (was 153) bgs

ELEVATION / DEPTH BOTTOM OF SAND: 155

ELEVATION/DEPTH BOTTOM OF HOLE: 155

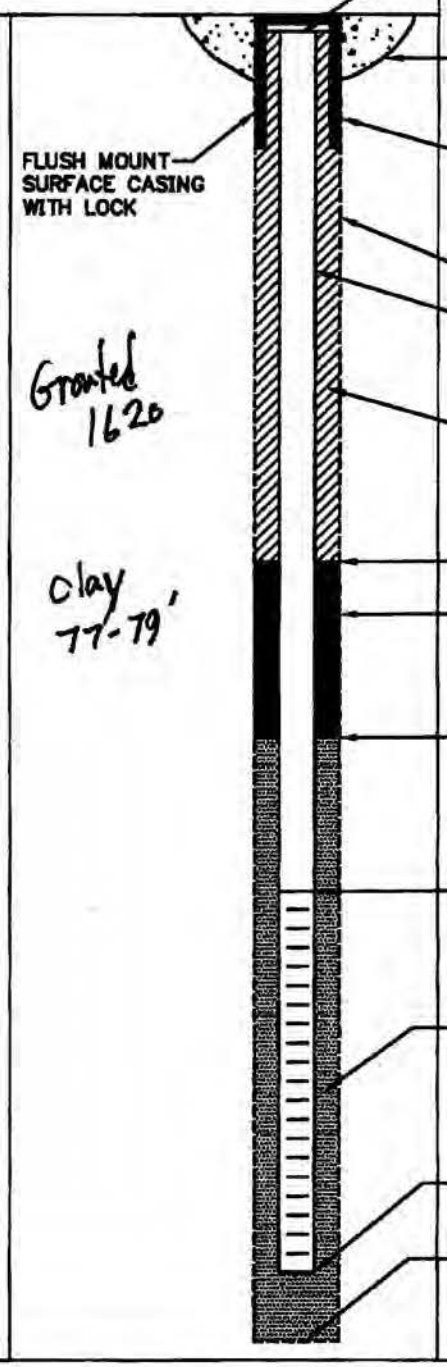
BACKFILL MATERIAL BELOW SAND: Natural

WELL NO.: OLFS4-MW-10D

Tetra Tech NUS, Inc.

OVERBURDEN
MONITORING WELL SHEET
FLUSH - MOUNT

PROJECT: Saufley Site 4	LOCATION: Pensacola, FL	DRILLER: ProSonic	
PROJECT NO.: 112G00389	BORING: MW-10D	DRILLING METHOD: Sonic	
DATE BEGUN: 12-1-06	DATE COMPLETED: 12-1-06		
FIELD GEOLOGIST: Gary J. Davis		DEVELOPMENT METHOD: Pump & Surge	
GROUND ELEVATION:	DATUM:		



ELEVATION TOP OF RISER: _____

TYPE OF SURFACE SEAL: 2' X 2' Concrete Pad

TYPE OF PROTECTIVE CASING: 8-inch Steel Manhole

I.D. OF PROTECTIVE CASING: 10-inch Skirt

DIAMETER OF HOLE: 6-Inch

TYPE OF RISER PIPE: Schedule 40 PVC

RISER PIPE I.D.: 2-Inch

TYPE OF BACKFILL/SEAL: Portland/ Bentonite Grout

ELEVATION/DEPTH TOP OF SEAL: 177

TYPE OF SEAL: 30/65 Fine Sand

ELEVATION/DEPTH TOP OF SAND: 178

ELEVATION/DEPTH TOP OF SCREEN: 180

TYPE OF SCREEN: Schedule 40 PVC

SLOT SIZE x LENGTH: 0.010-inch X 5 Feet

TYPE OF SAND PACK: 20/30 Sand

ELEVATION / DEPTH BOTTOM OF SCREEN: 185

ELEVATION / DEPTH BOTTOM OF SAND: 185

ELEVATION/DEPTH BOTTOM OF HOLE: 185

BACKFILL MATERIAL BELOW SAND: Natural

ACAD: FORM_JWFM.dwg 07/29/99 INL

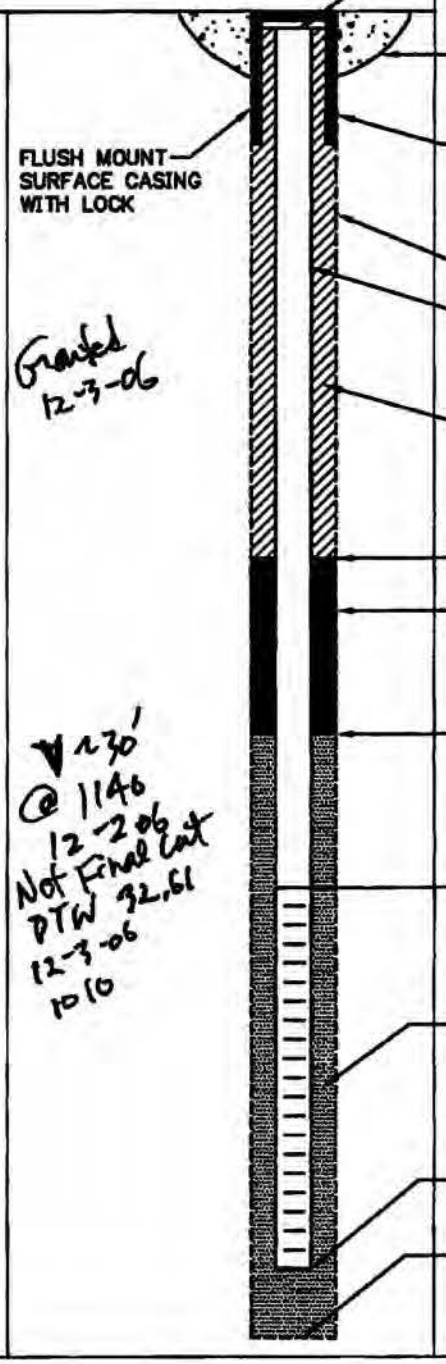
WELL NO.: OLFS4-MW-11-S

Tetra Tech NUS, Inc.

OVERBURDEN
MONITORING WELL SHEET
FLUSH - MOUNT

PROJECT: Saufley Site 4	LOCATION: Pensacola, FL	DRILLER: ProSonic
PROJECT NO.: 112G00389	BORING: MW-11S	DRILLING METHOD: Sonic
DATE BEGUN: 12-2-06	DATE COMPLETED: 12-2-06	
FIELD GEOLOGIST: Gary J. Davis		DEVELOPMENT METHOD: Pump & Surge
GROUND ELEVATION:	DATUM:	

ACAD: FORM_MWFM.dwg 07/28/99 INL



ELEVATION TOP OF RISER: _____

TYPE OF SURFACE SEAL: 2' X 2' Concrete Pad

TYPE OF PROTECTIVE CASING: 8-inch Steel Manhole

I.D. OF PROTECTIVE CASING: 10-inch Skirt

DIAMETER OF HOLE: 6-Inch

TYPE OF RISER PIPE: Schedule 40 PVC

RISER PIPE I.D.: 2-Inch

TYPE OF BACKFILL/SEAL: Portland/ Bentonite Grout

Grouted 12-3-06

ELEVATION/DEPTH TOP OF SEAL: 121

TYPE OF SEAL: 30/65 Fine Sand

ELEVATION/DEPTH TOP OF SAND: 123

▼ ~30' @ 1140 12-2-06 Not Final Est DTW 32.61 12-3-06 1010

ELEVATION/DEPTH TOP OF SCREEN: 125

TYPE OF SCREEN: Schedule 40 PVC

SLOT SIZE x LENGTH: 0.010-inch X 15 Feet

TYPE OF SAND PACK: 20/30 Sand

ELEVATION / DEPTH BOTTOM OF SCREEN: 140

ELEVATION / DEPTH BOTTOM OF SAND: 140

ELEVATION/DEPTH BOTTOM OF HOLE: 140

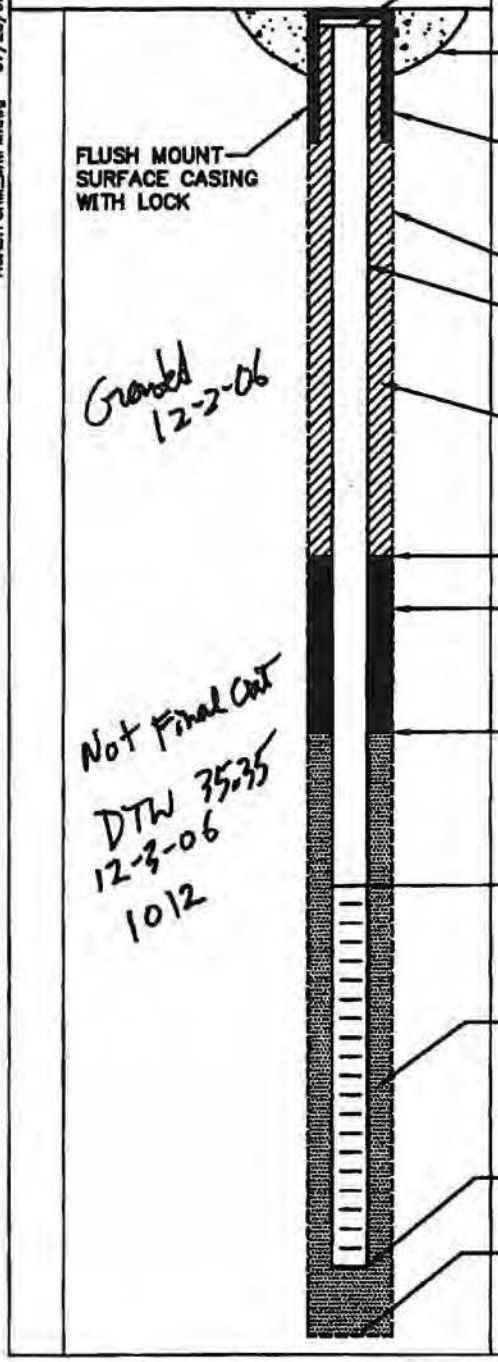
BACKFILL MATERIAL BELOW SAND: Natural

WELL NO.: OLFS4-MW- 12-S

Tetra Tech NUS, Inc.

OVERBURDEN
MONITORING WELL SHEET
FLUSH - MOUNT

PROJECT: Saufley Site 4	LOCATION: Pensacola, FL	DRILLER: ProSonic
PROJECT NO.: 112G00389	BORING: MW-12-S	DRILLING METHOD: Sonic
DATE BEGUN: 12-2-06	DATE COMPLETED: 12-2-06	
FIELD GEOLOGIST: Gary J. Davis		DEVELOPMENT METHOD: Pump & Surge
GROUND ELEVATION:	DATUM:	



ELEVATION TOP OF RISER: _____

TYPE OF SURFACE SEAL: 2' X 2' Concrete Pad

TYPE OF PROTECTIVE CASING: 8-inch Steel Manhole

I.D. OF PROTECTIVE CASING: 10-inch Skirt

DIAMETER OF HOLE: 6-Inch

TYPE OF RISER PIPE: Schedule 40 PVC

RISER PIPE I.D.: 2-Inch

TYPE OF BACKFILL/SEAL: Portland/ Bentonite Grout

ELEVATION/DEPTH TOP OF SEAL: 121

TYPE OF SEAL: 30/65 Fine Sand

ELEVATION/DEPTH TOP OF SAND: 123

ELEVATION/DEPTH TOP OF SCREEN: 125

TYPE OF SCREEN: Schedule 40 PVC

SLOT SIZE x LENGTH: 0.010-inch X 20 Feet

TYPE OF SAND PACK: 20/30 Sand

ELEVATION / DEPTH BOTTOM OF SCREEN: 145

ELEVATION / DEPTH BOTTOM OF SAND: 145

ELEVATION/DEPTH BOTTOM OF HOLE: 145

BACKFILL MATERIAL BELOW SAND: Natural

ACAD: FORM_MWFM.dwg 07/28/99 INL

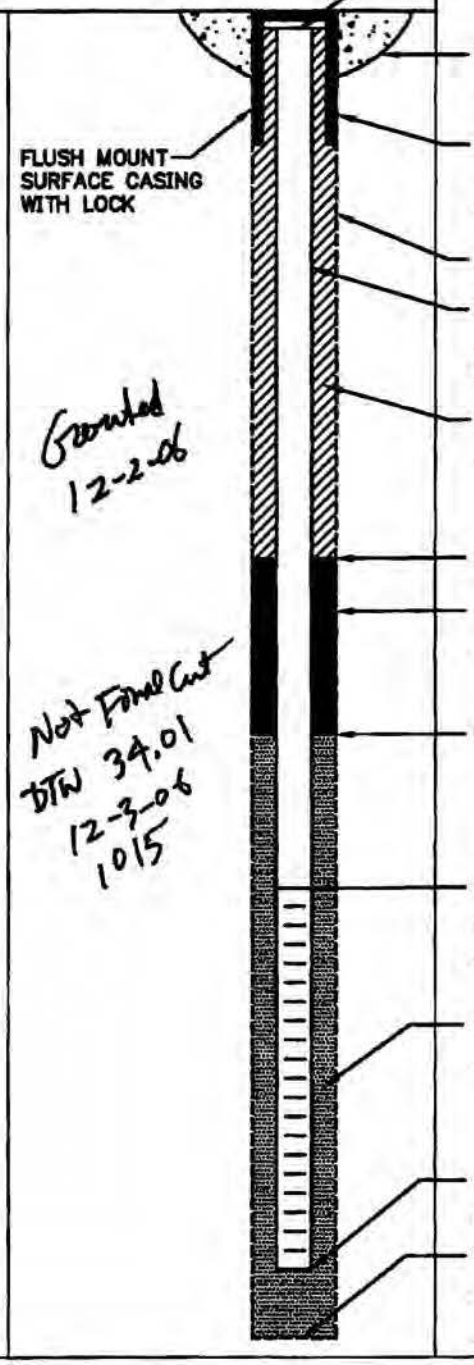
WELL NO.: OLFS4-MW-13S

Tetra Tech NUS, Inc.

OVERBURDEN
MONITORING WELL SHEET
FLUSH - MOUNT

PROJECT: Saufley Site 4	LOCATION: Pensacola, FL	DRILLER: ProSonic
PROJECT NO.: 112G00389	BORING: MW-13S	DRILLING METHOD: Sonic
DATE BEGUN: 12-2-06	DATE COMPLETED: 12-2-06	
FIELD GEOLOGIST: Gary J. Davis		DEVELOPMENT METHOD: Pump & Surge
GROUND ELEVATION:	DATUM:	

ACAD: FORM_MWFM.dwg 07/28/99 INL



ELEVATION TOP OF RISER: _____

TYPE OF SURFACE SEAL: 2' X 2' Concrete Pad

TYPE OF PROTECTIVE CASING: 8-Inch Steel Manhole

I.D. OF PROTECTIVE CASING: 10-inch Skirt

DIAMETER OF HOLE: 6-Inch

TYPE OF RISER PIPE: Schedule 40 PVC

RISER PIPE I.D.: 2-Inch

TYPE OF BACKFILL/SEAL: Portland/ Bentonite Grout

ELEVATION/DEPTH TOP OF SEAL: 121

TYPE OF SEAL: 30/65 Fine Sand

ELEVATION/DEPTH TOP OF SAND: 123

ELEVATION/DEPTH TOP OF SCREEN: 125

TYPE OF SCREEN: Schedule 40 PVC

SLOT SIZE x LENGTH: 0.010-inch X 20 Feet

TYPE OF SAND PACK: 20/30 Sand

ELEVATION / DEPTH BOTTOM OF SCREEN: 145

ELEVATION / DEPTH BOTTOM OF SAND: 145

ELEVATION/DEPTH BOTTOM OF HOLE: 145

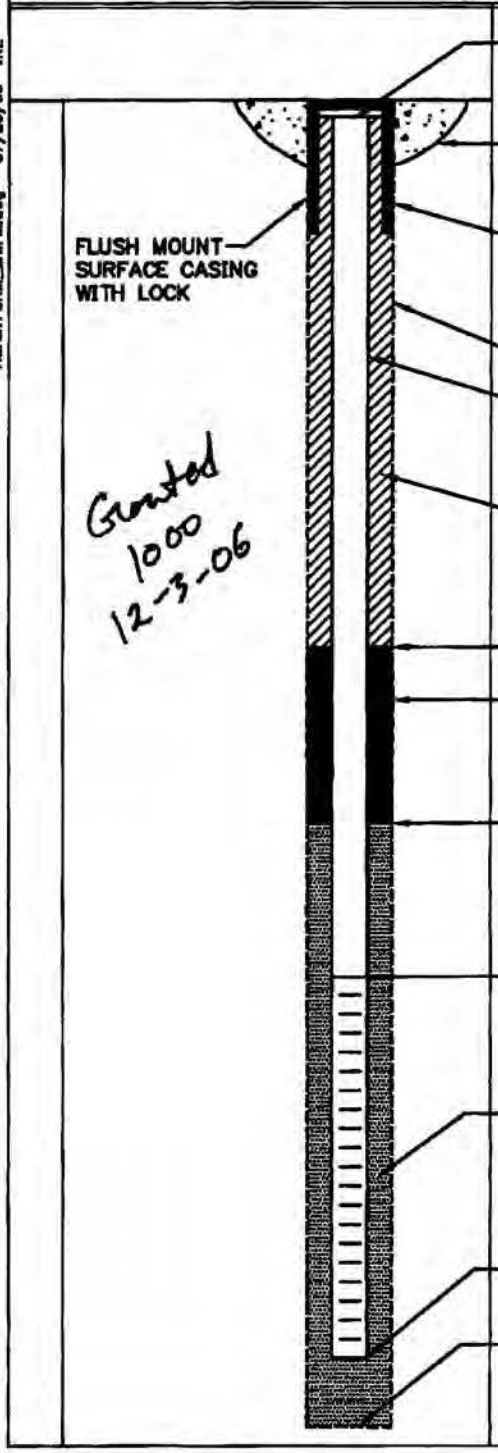
BACKFILL MATERIAL BELOW SAND: Natural

WELL NO.: OLFS4-MW-14D

Tetra Tech NUS, Inc.

OVERBURDEN
MONITORING WELL SHEET
FLUSH - MOUNT

PROJECT: Saufley Site 4	LOCATION: Pensacola, FL	DRILLER: ProSonic
PROJECT NO.: 112G00389	BORING: MW-14D	DRILLING METHOD: Sonic
DATE BEGUN: 12-3-06	DATE COMPLETED: 12-3-06	
FIELD GEOLOGIST: Gary J. Davis		DEVELOPMENT METHOD: Pump & Surge
GROUND ELEVATION:	DATUM:	



ELEVATION TOP OF RISER: _____

TYPE OF SURFACE SEAL: 2' X 2' Concrete Pad

TYPE OF PROTECTIVE CASING: 8-inch Steel Manhole

I.D. OF PROTECTIVE CASING: 10-inch Skirt

DIAMETER OF HOLE: 6-Inch

TYPE OF RISER PIPE: Schedule 40 PVC

RISER PIPE I.D.: 2-Inch

TYPE OF BACKFILL/SEAL: Portland/ Bentonite Grout

ELEVATION/DEPTH TOP OF SEAL: 165

TYPE OF SEAL: 30/65 Fine Sand

ELEVATION/DEPTH TOP OF SAND: 173

ELEVATION/DEPTH TOP OF SCREEN: 175

TYPE OF SCREEN: Schedule 40 PVC

SLOT SIZE x LENGTH: 0.010-inch X 5 Feet

TYPE OF SAND PACK: 20/30 Sand

ELEVATION / DEPTH BOTTOM OF SCREEN: 180

ELEVATION / DEPTH BOTTOM OF SAND: 181

ELEVATION/DEPTH BOTTOM OF HOLE: 181

BACKFILL MATERIAL BELOW SAND: Natural

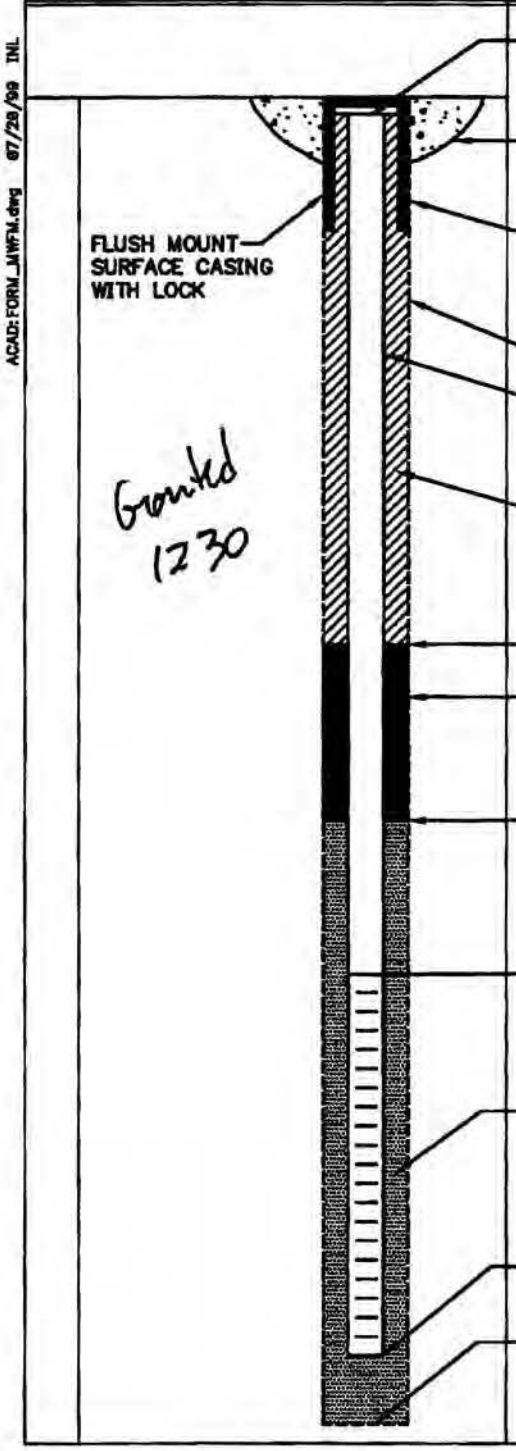
ACAD:FORM_MWFM.dwg 07/29/99 INL

WELL NO.: OLFS4-MW-15S

Tetra Tech NUS, Inc.

OVERBURDEN
MONITORING WELL SHEET
FLUSH - MOUNT

PROJECT: Saufley Site 4	LOCATION: Pensacola, FL	DRILLER: ProSonic
PROJECT NO.: 112G00389	BORING: MW-15-S	DRILLING METHOD: Sonic
DATE BEGUN: 12-3-06	DATE COMPLETED: 12-3-06	
FIELD GEOLOGIST: Gary J. Davis		DEVELOPMENT METHOD: Pump & Surge
GROUND ELEVATION:	DATUM:	



ELEVATION TOP OF RISER:

TYPE OF SURFACE SEAL: 2' X 2' Concrete Pad

TYPE OF PROTECTIVE CASING: 8-inch Steel Manhole

I.D. OF PROTECTIVE CASING: 10-inch Skirt

DIAMETER OF HOLE: 6-inch

TYPE OF RISER PIPE: Schedule 40 PVC

RISER PIPE I.D.: 2-inch

TYPE OF BACKFILL/SEAL: Portland/ Bentonite Grout

ELEVATION/DEPTH TOP OF SEAL: 136

TYPE OF SEAL: 30/65 Fine Sand

ELEVATION/DEPTH TOP OF SAND: 138

ELEVATION/DEPTH TOP OF SCREEN: 140

TYPE OF SCREEN: Schedule 40 PVC

SLOT SIZE x LENGTH: 0.010-inch X 15 Feet

TYPE OF SAND PACK: 20/30 Sand

ELEVATION / DEPTH BOTTOM OF SCREEN: 155

ELEVATION / DEPTH BOTTOM OF SAND: 153

ELEVATION/DEPTH BOTTOM OF HOLE: 153

BACKFILL MATERIAL BELOW SAND: Natural

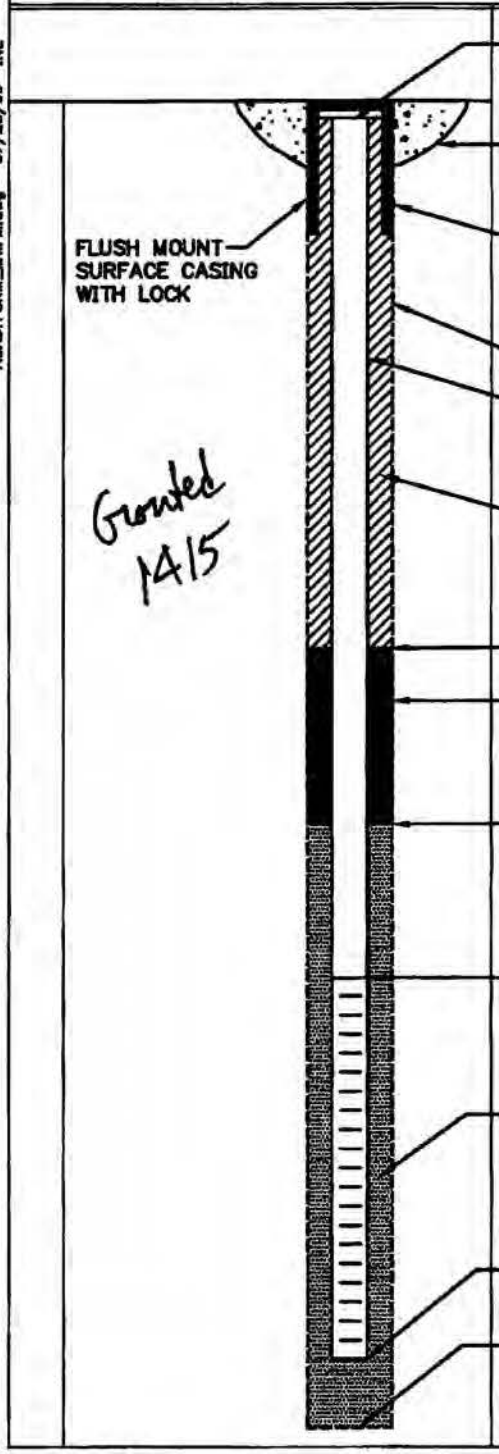
ACAD: FORM_MWFM.dwg 07/29/99 TNL

WELL NO.: OLFS4-MW-16S

Tetra Tech NUS, Inc.

OVERBURDEN MONITORING WELL SHEET FLUSH - MOUNT

PROJECT: Saufley Site 4	LOCATION: Pensacola, FL	DRILLER: ProSonic	
PROJECT NO.: 112G00389	BORING: MW-16S	DRILLING METHOD: Sonic	
DATE BEGUN: 12-3-06	DATE COMPLETED: 12-3-06		
FIELD GEOLOGIST: Gary J. Davis		DEVELOPMENT METHOD: Pump & Surge	
GROUND ELEVATION:	DATUM:		



ELEVATION TOP OF RISER: _____

TYPE OF SURFACE SEAL: 2' X 2' Concrete Pad

TYPE OF PROTECTIVE CASING: 8-inch Steel Manhole

I.D. OF PROTECTIVE CASING: 10-inch Skirt

DIAMETER OF HOLE: 6-Inch

TYPE OF RISER PIPE: Schedule 40 PVC

RISER PIPE I.D.: 2-Inch

TYPE OF BACKFILL/SEAL: Portland/ Bentonite Grout

ELEVATION/DEPTH TOP OF SEAL: 136

TYPE OF SEAL: 30/65 Fine Sand

ELEVATION/DEPTH TOP OF SAND: 138

ELEVATION/DEPTH TOP OF SCREEN: 140

TYPE OF SCREEN: Schedule 40 PVC

SLOT SIZE x LENGTH: 0.010-inch X 15 Feet

TYPE OF SAND PACK: 20/30 Sand

ELEVATION / DEPTH BOTTOM OF SCREEN: 155

ELEVATION / DEPTH BOTTOM OF SAND: 153

ELEVATION/DEPTH BOTTOM OF HOLE: 155

BACKFILL MATERIAL BELOW SAND: Native

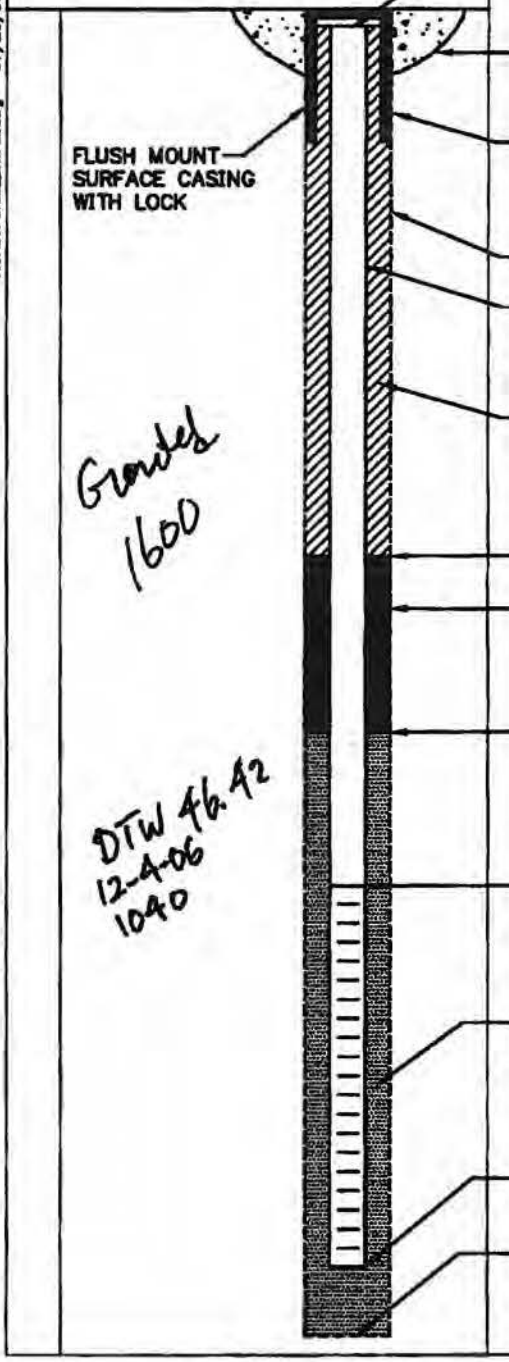
ACAD: FORM_MWFM.dwg 07/28/99 INL

WELL NO.: OLFS4-MW-175

OVERBURDEN MONITORING WELL SHEET FLUSH - MOUNT

Tetra Tech NUS, Inc.

PROJECT	Saufley Site 4	LOCATION	Pensacola, FL	DRILLER	ProSonic
PROJECT NO.	112G00389	BORING	MW-175	DRILLING METHOD	Sonic
DATE BEGUN	12-3-06	DATE COMPLETED	12-3-06		
FIELD GEOLOGIST	Gary J. Davis			DEVELOPMENT METHOD	Pump & Surge
GROUND ELEVATION		DATUM			



ELEVATION TOP OF RISER: _____

TYPE OF SURFACE SEAL: 2' X 2' Concrete Pad

TYPE OF PROTECTIVE CASING: 8-inch Steel Manhole

I.D. OF PROTECTIVE CASING: 10-inch Skirt

DIAMETER OF HOLE: 6-Inch

TYPE OF RISER PIPE: Schedule 40 PVC

RISER PIPE I.D.: 2-Inch

TYPE OF BACKFILL/SEAL: Portland/ Bentonite Grout

ELEVATION/DEPTH TOP OF SEAL: 131

TYPE OF SEAL: 30/65 Fine Sand

ELEVATION/DEPTH TOP OF SAND: 133

ELEVATION/DEPTH TOP OF SCREEN: 135

TYPE OF SCREEN: Schedule 40 PVC

SLOT SIZE x LENGTH: 0.010-inch X 20 Feet

TYPE OF SAND PACK: 20/30 Sand

ELEVATION / DEPTH BOTTOM OF SCREEN: 65

ELEVATION / DEPTH BOTTOM OF SAND: 155

ELEVATION/DEPTH BOTTOM OF HOLE: 155

BACKFILL MATERIAL BELOW SAND: Natural

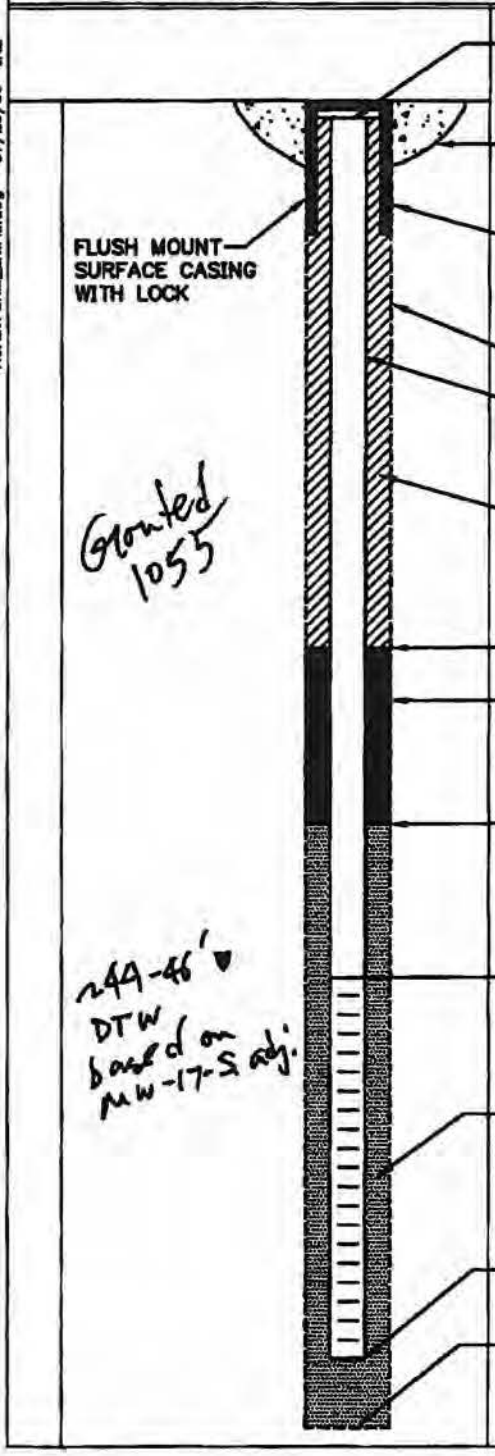
ACAD: FORM_MWFM.dwg 07/28/99 INL

WELL NO.: OLFS4-MW-18-S

Tetra Tech NUS, Inc.

OVERBURDEN MONITORING WELL SHEET FLUSH - MOUNT

PROJECT: Saufley Site 4	LOCATION: Pensacola, FL	DRILLER: ProSonic
PROJECT NO.: 112G00389	BORING: OLFS4-MW-18-S	DRILLING METHOD: Sonic
DATE BEGUN: 12-4-06	DATE COMPLETED: 12-4-06	
FIELD GEOLOGIST: Gary J. Davis		DEVELOPMENT METHOD: Pump & Surge
GROUND ELEVATION:	DATUM:	



ELEVATION TOP OF RISER: _____

TYPE OF SURFACE SEAL: 2' X 2' Concrete Pad

TYPE OF PROTECTIVE CASING: 8-inch Steel Manhole

I.D. OF PROTECTIVE CASING: 10-inch Skirt

DIAMETER OF HOLE: 6-Inch

TYPE OF RISER PIPE: Schedule 40 PVC

RISER PIPE I.D.: 2-Inch

TYPE OF BACKFILL/SEAL: Portland/ Bentonite Grout

ELEVATION/DEPTH TOP OF SEAL: 136

TYPE OF SEAL: 30/65 Fine Sand

ELEVATION/DEPTH TOP OF SAND: 138

ELEVATION/DEPTH TOP OF SCREEN: 140

TYPE OF SCREEN: Schedule 40 PVC

SLOT SIZE x LENGTH: 0.010-inch X Feet

TYPE OF SAND PACK: 20/30 Sand

ELEVATION / DEPTH BOTTOM OF SCREEN: 155

ELEVATION / DEPTH BOTTOM OF SAND: 156

ELEVATION/DEPTH BOTTOM OF HOLE: 156

BACKFILL MATERIAL BELOW SAND: Natural

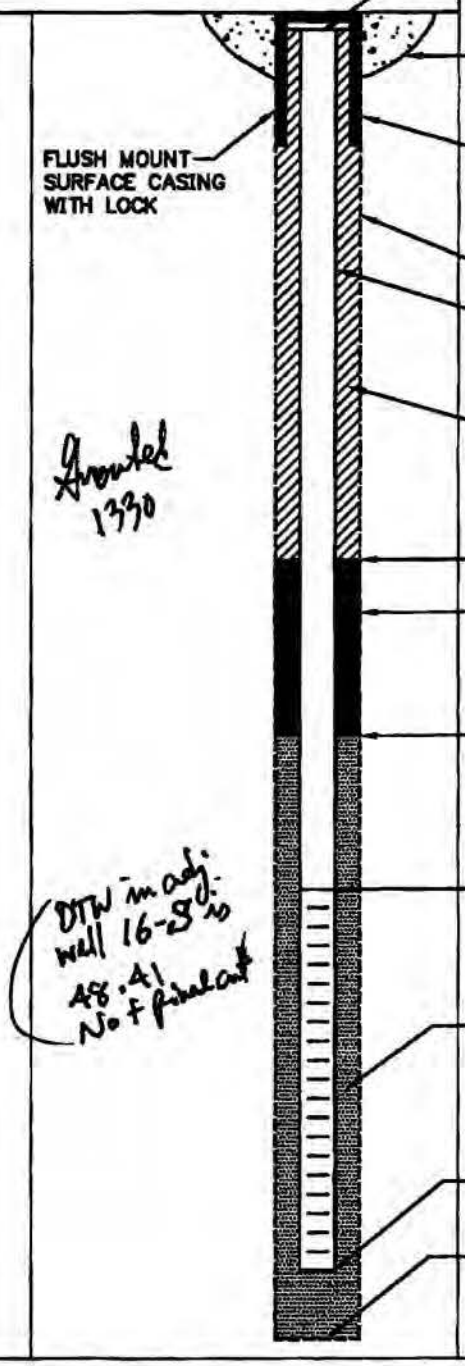
ACAD:FORM_MWFM.dwg 07/20/98 INL

WELL NO.: OLFS4-MW-19-S

Tetra Tech NUS, Inc.

OVERBURDEN
MONITORING WELL SHEET
FLUSH - MOUNT

PROJECT: Saufley Site 4	LOCATION: Pensacola, FL	DRILLER: ProSonic	
PROJECT NO.: 112G00389	BORING:	DRILLING METHOD: Sonic	
DATE BEGUN: 12-4-06	DATE COMPLETED: 12-4-06		
FIELD GEOLOGIST: Gary J. Davis		DEVELOPMENT METHOD: Pump & Surge	
GROUND ELEVATION:	DATUM:		



ELEVATION TOP OF RISER: _____

TYPE OF SURFACE SEAL: 2' X 2' Concrete Pad

TYPE OF PROTECTIVE CASING: 8-inch Steel Manhole

I.D. OF PROTECTIVE CASING: 10-inch Skirt

DIAMETER OF HOLE: 6-Inch

TYPE OF RISER PIPE: Schedule 40 PVC

RISER PIPE I.D.: 2-Inch

TYPE OF BACKFILL/SEAL: Portland/ Bentonite Grout

ELEVATION/DEPTH TOP OF SEAL: 136

TYPE OF SEAL: 30/65 Fine Sand

ELEVATION/DEPTH TOP OF SAND: 138

ELEVATION/DEPTH TOP OF SCREEN: 140

TYPE OF SCREEN: Schedule 40 PVC

SLOT SIZE x LENGTH: 0.010-inch X 15 Feet

TYPE OF SAND PACK: 20/30 Sand

ELEVATION / DEPTH BOTTOM OF SCREEN: 155

ELEVATION / DEPTH BOTTOM OF SAND: 156

ELEVATION/DEPTH BOTTOM OF HOLE: 156

BACKFILL MATERIAL BELOW SAND: Natural

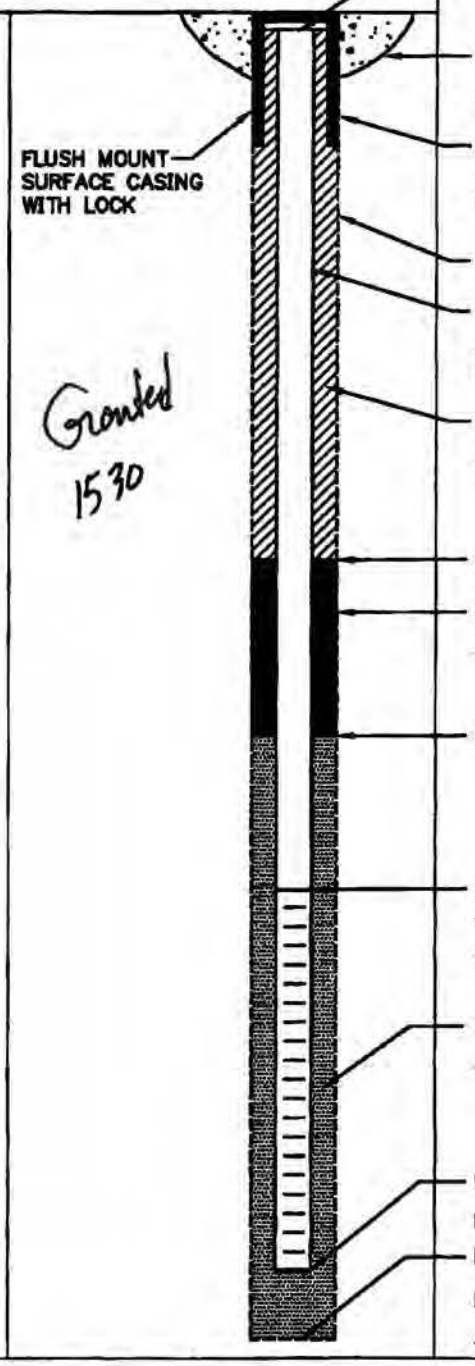
ACAD: FORM_MWFM.dwg 07/28/99 INL

WELL NO.: OLFS4-MW- 20S

Tetra Tech NUS, Inc.

OVERBURDEN
MONITORING WELL SHEET
FLUSH - MOUNT

PROJECT: Saufley Site 4	LOCATION: Pensacola, FL	DRILLER: ProSonic	
PROJECT NO.: 112G00389	BORING: OLFS4-MW 20S	DRILLING METHOD: Sonic	
DATE BEGUN: 12-4-06	DATE COMPLETED: 12-4-06		
FIELD GEOLOGIST: Gary J. Davis		DEVELOPMENT METHOD: Pump & Surge	
GROUND ELEVATION:	DATUM:		



ELEVATION TOP OF RISER: _____

TYPE OF SURFACE SEAL: 2' X 2' Concrete Pad

TYPE OF PROTECTIVE CASING: 8-inch Steel Manhole

I.D. OF PROTECTIVE CASING: 10-inch Skirt

DIAMETER OF HOLE: 6-Inch

TYPE OF RISER PIPE: Schedule 40 PVC

RISER PIPE I.D.: 2-Inch

TYPE OF BACKFILL/SEAL: Portland/ Bentonite Grout

ELEVATION/DEPTH TOP OF SEAL: 126

TYPE OF SEAL: 30/65 Fine Sand

ELEVATION/DEPTH TOP OF SAND: 128

ELEVATION/DEPTH TOP OF SCREEN: 130

TYPE OF SCREEN: Schedule 40 PVC

SLOT SIZE x LENGTH: 0.010-inch X 15 Feet

TYPE OF SAND PACK: 20/30 Sand

ELEVATION / DEPTH BOTTOM OF SCREEN: 145

ELEVATION / DEPTH BOTTOM OF SAND: 146

ELEVATION/DEPTH BOTTOM OF HOLE: 146

BACKFILL MATERIAL BELOW SAND: Natural

ACAD: FORM_MWFM.dwg 07/28/99 INL

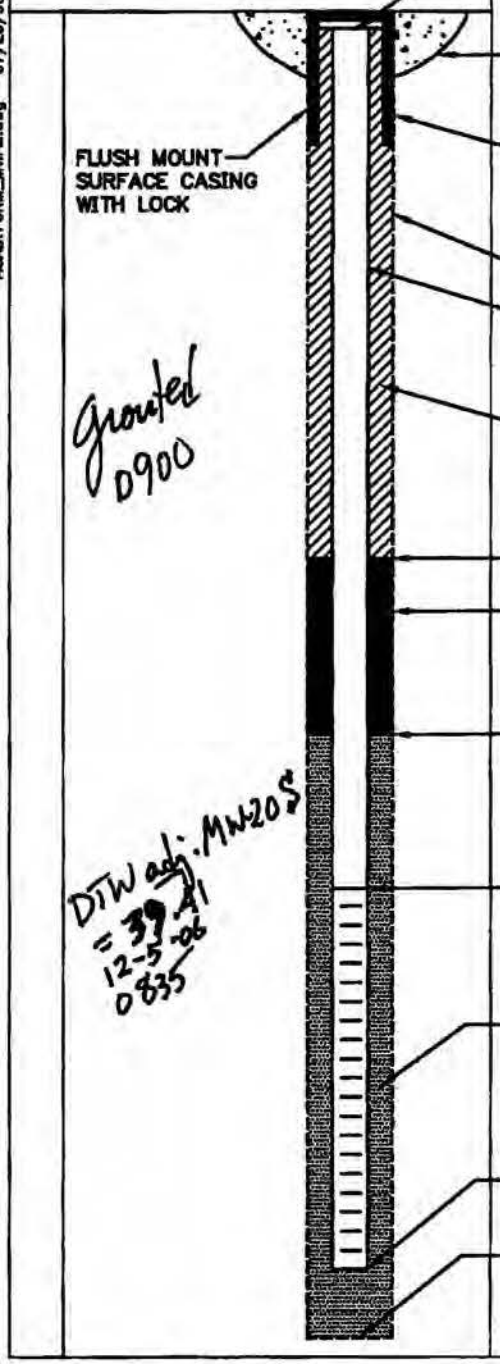
WELL NO.: OLFS4-MW-21-S

Tetra Tech NUS, Inc.

OVERBURDEN
MONITORING WELL SHEET
FLUSH - MOUNT

PROJECT: Saufley Site 4	LOCATION: Pensacola, FL	DRILLER: ProSonic
PROJECT NO.: 112G00389	BORING: OLFS4-MW-21-S	DRILLING METHOD: Sonic
DATE BEGUN: 12-5-06	DATE COMPLETED: 12-5-06	
FIELD GEOLOGIST: Gary J. Davis		DEVELOPMENT METHOD: Pump & Surge
GROUND ELEVATION:	DATUM:	

ACAD:FORM_MWFM.dwg 07/29/99 INL



ELEVATION TOP OF RISER: _____

TYPE OF SURFACE SEAL: 2' X 2' Concrete Pad

TYPE OF PROTECTIVE CASING: 8-inch Steel Manhole

I.D. OF PROTECTIVE CASING: 10-inch Skirt

DIAMETER OF HOLE: 6-Inch

TYPE OF RISER PIPE: Schedule 40 PVC

RISER PIPE I.D.: 2-Inch

TYPE OF BACKFILL/SEAL: Portland/ Bentonite Grout

ELEVATION/DEPTH TOP OF SEAL: 126

TYPE OF SEAL: 30/65 Fine Sand

ELEVATION/DEPTH TOP OF SAND: 128

ELEVATION/DEPTH TOP OF SCREEN: 130

TYPE OF SCREEN: Schedule 40 PVC

SLOT SIZE x LENGTH: 0.010-inch X 15 Feet

TYPE OF SAND PACK: 20/30 Sand

ELEVATION / DEPTH BOTTOM OF SCREEN: 145

ELEVATION / DEPTH BOTTOM OF SAND: 146

ELEVATION/DEPTH BOTTOM OF HOLE: 146

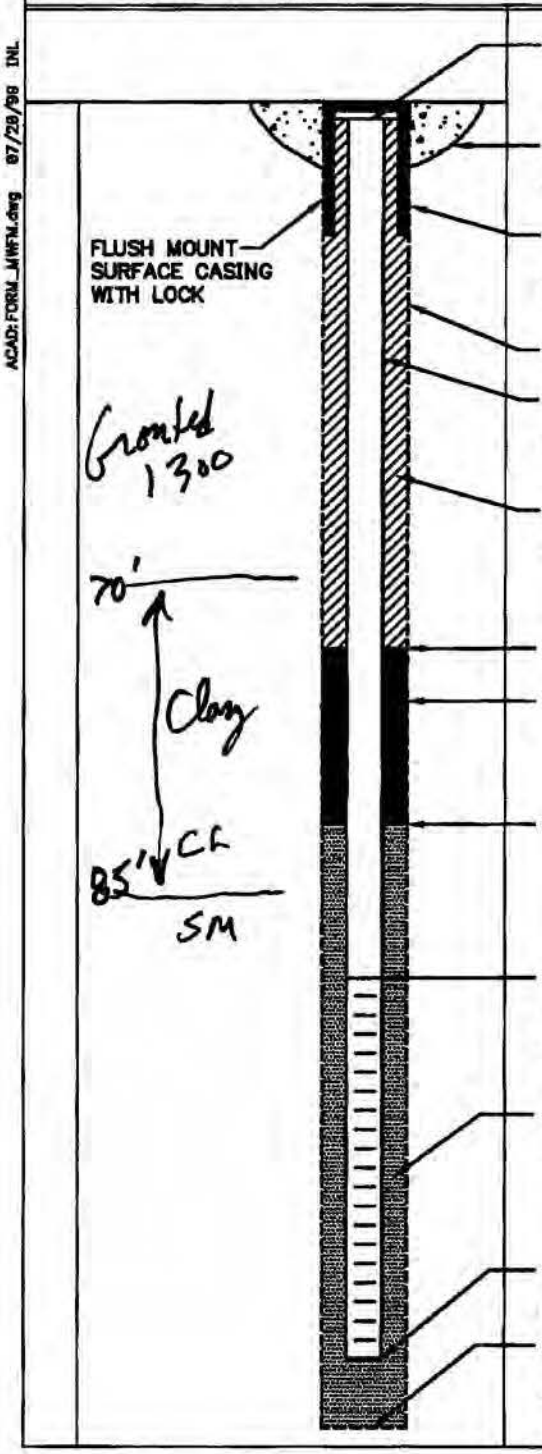
BACKFILL MATERIAL BELOW SAND: Natural

WELL NO.: OLFS4-MW-22D

Tetra Tech NUS, Inc.

OVERBURDEN
MONITORING WELL SHEET
FLUSH - MOUNT

PROJECT: Saufley Site 4	LOCATION: Pensacola, FL	DRILLER: ProSonic
PROJECT NO.: 112G00389	BORING: OLFS4-MW-22D	DRILLING METHOD: Sonic
DATE BEGUN: 12-5-06	DATE COMPLETED: 12-5-06	
FIELD GEOLOGIST: Gary J. Davis		DEVELOPMENT METHOD: Pump & Surge
GROUND ELEVATION:	DATUM:	



ELEVATION TOP OF RISER: _____

TYPE OF SURFACE SEAL: 2' X 2' Concrete Pad

TYPE OF PROTECTIVE CASING: 8-Inch Steel Manhole

I.D. OF PROTECTIVE CASING: 10-Inch Skirt

DIAMETER OF HOLE: 6-Inch

TYPE OF RISER PIPE: Schedule 40 PVC

RISER PIPE I.D.: 2-Inch

TYPE OF BACKFILL/SEAL: Portland/ Bentonite Grout

ELEVATION/DEPTH TOP OF SEAL: 182

TYPE OF SEAL: 30/65 Fine Sand

ELEVATION/DEPTH TOP OF SAND: 184

ELEVATION/DEPTH TOP OF SCREEN: 186

TYPE OF SCREEN: Schedule 40 PVC

SLOT SIZE x LENGTH: 0.010-Inch X 5 Feet

TYPE OF SAND PACK: 20/30 Sand

ELEVATION / DEPTH BOTTOM OF SCREEN: 191

ELEVATION / DEPTH BOTTOM OF SAND: 191

ELEVATION/DEPTH BOTTOM OF HOLE: 191

BACKFILL MATERIAL BELOW SAND: Natural

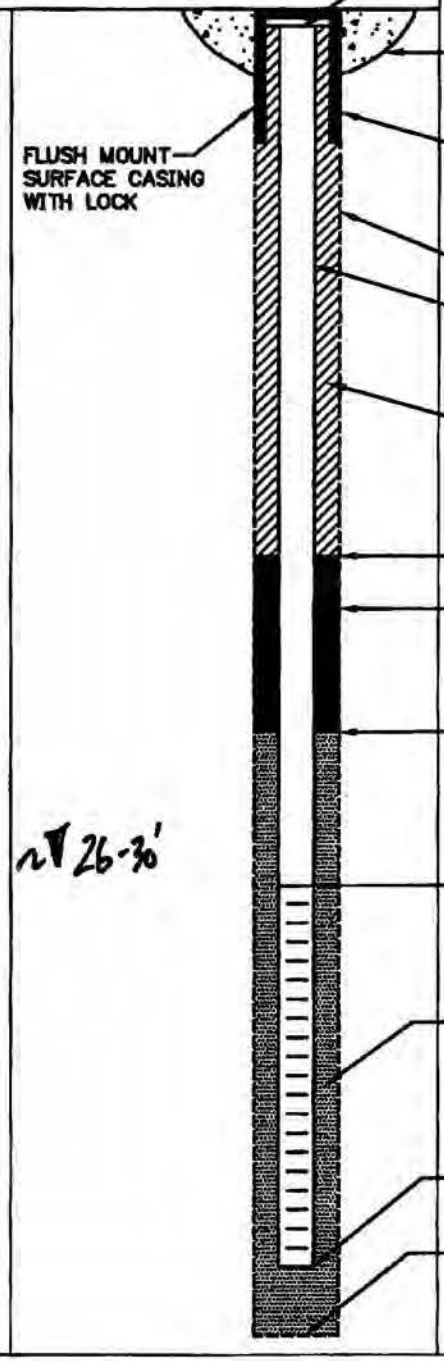
ACAD: FORM_MWFM.dwg 07/28/99 TNL

WELL NO.: OLFS4-MW-23S

OVERBURDEN
MONITORING WELL SHEET
FLUSH - MOUNT

Tetra Tech NUS, Inc.

PROJECT: Saufley Site 4	LOCATION: Pensacola, FL	DRILLER: ProSonic
PROJECT NO.: 112G00389	BORING: OLFS4-MW-23S	DRILLING METHOD: Sonic
DATE BEGUN: 12-5-06	DATE COMPLETED: 12-5-06	
FIELD GEOLOGIST: Gary J. Davis		DEVELOPMENT METHOD: Pump & Surge
GROUND ELEVATION:	DATUM:	



ELEVATION TOP OF RISER:

TYPE OF SURFACE SEAL: 2' X 2' Concrete Pad

TYPE OF PROTECTIVE CASING: 8-Inch Steel Manhole

I.D. OF PROTECTIVE CASING: 10-Inch Skirt

DIAMETER OF HOLE: 6-Inch

TYPE OF RISER PIPE: Schedule 40 PVC

RISER PIPE I.D.: 2-Inch

TYPE OF BACKFILL/SEAL: Portland/ Bentonite Grout

ELEVATION/DEPTH TOP OF SEAL: 116

TYPE OF SEAL: 30/65 Fine Sand

ELEVATION/DEPTH TOP OF SAND: 118

nT 26-30'

ELEVATION/DEPTH TOP OF SCREEN: 120

TYPE OF SCREEN: Schedule 40 PVC

SLOT SIZE x LENGTH: 0.010-Inch X 20 Feet

TYPE OF SAND PACK: 20/30 Sand

ELEVATION / DEPTH BOTTOM OF SCREEN: 140

ELEVATION / DEPTH BOTTOM OF SAND: 141

ELEVATION/DEPTH BOTTOM OF HOLE: 141

BACKFILL MATERIAL BELOW SAND: Natural

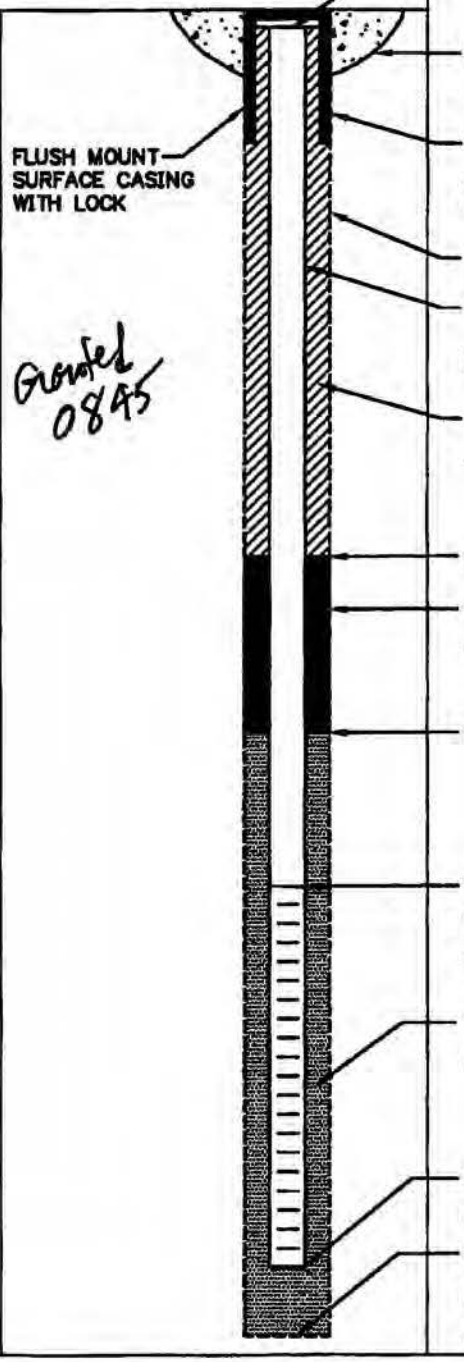
ACAD: FORM_MWFM.dwg 07/28/99 INL

WELL NO.: OLFS4-MW-24-S

Tetra Tech NUS, Inc.

OVERBURDEN
MONITORING WELL SHEET
FLUSH - MOUNT

PROJECT: Saufley Site 4	LOCATION: Pensacola, FL	DRILLER: ProSonic
PROJECT NO.: 112G00389	BORING: OLFS4-MW-24-S	DRILLING METHOD: Sonic
DATE BEGUN: 12-6-06	DATE COMPLETED: 12-6-06	
FIELD GEOLOGIST: Gary J. Davis		DEVELOPMENT METHOD: Pump & Surge
GROUND ELEVATION:	DATUM:	



ELEVATION TOP OF RISER: _____

TYPE OF SURFACE SEAL: 2' X 2' Concrete Pad

TYPE OF PROTECTIVE CASING: 8-inch Steel Manhole

I.D. OF PROTECTIVE CASING: 10-inch Skirt

DIAMETER OF HOLE: 6-Inch

TYPE OF RISER PIPE: Schedule 40 PVC

RISER PIPE I.D.: 2-Inch

TYPE OF BACKFILL/SEAL: Portland/ Bentonite Grout

ELEVATION/DEPTH TOP OF SEAL: 136

TYPE OF SEAL: 30/65 Fine Sand

ELEVATION/DEPTH TOP OF SAND: 138

ELEVATION/DEPTH TOP OF SCREEN: 140

TYPE OF SCREEN: Schedule 40 PVC

SLOT SIZE x LENGTH: 0.010-inch X 15 Feet

TYPE OF SAND PACK: 20/30 Sand

ELEVATION / DEPTH BOTTOM OF SCREEN: 155

ELEVATION / DEPTH BOTTOM OF SAND: 153

ELEVATION/DEPTH BOTTOM OF HOLE: 155

BACKFILL MATERIAL BELOW SAND: Natural

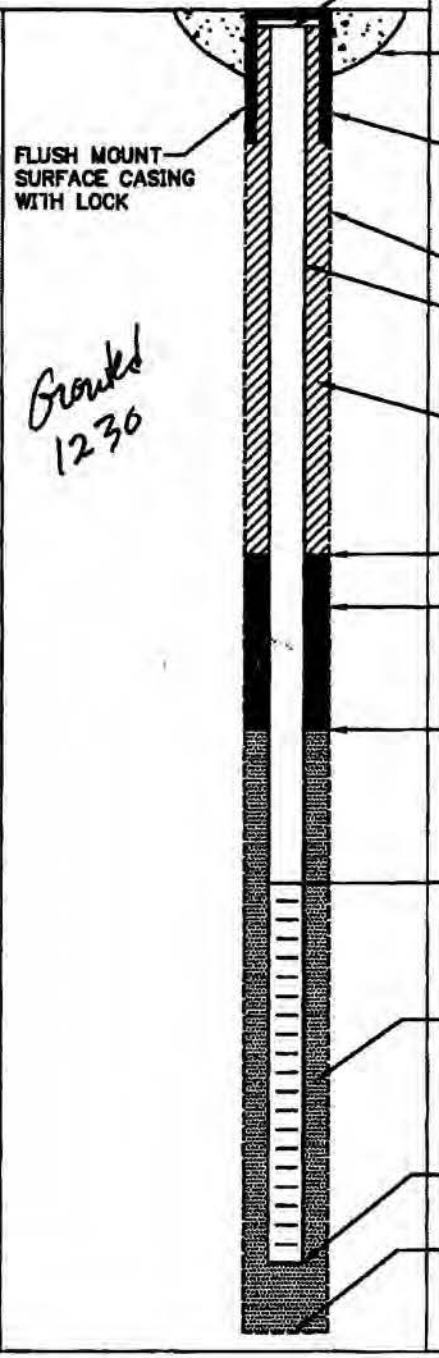
ACAD:FORM_MWFM.dwg 07/28/98 TNL

WELL NO.: OLFS4-MW-255

Tetra Tech NUS, Inc.

OVERBURDEN
MONITORING WELL SHEET
FLUSH - MOUNT

PROJECT: Saufley Site 4	LOCATION: Pensacola, FL	DRILLER: ProSonic
PROJECT NO.: 112G00389	BORING: OLFS4-MW25-S	DRILLING METHOD: Sonic
DATE BEGUN: 12-7-06	DATE COMPLETED: 12-7-06	
FIELD GEOLOGIST: Gary J. Davis		DEVELOPMENT METHOD: Pump & Surge
GROUND ELEVATION:	DATUM:	



ELEVATION TOP OF RISER: _____

TYPE OF SURFACE SEAL: 2' X 2' Concrete Pad

TYPE OF PROTECTIVE CASING: 8-inch Steel Manhole

I.D. OF PROTECTIVE CASING: 10-inch Skirt

DIAMETER OF HOLE: 6-Inch

TYPE OF RISER PIPE: Schedule 40 PVC

RISER PIPE I.D.: 2-Inch

TYPE OF BACKFILL/SEAL: Portland/ Bentonite Grout

ELEVATION/DEPTH TOP OF SEAL: 136

TYPE OF SEAL: 30/65 Fine Sand

ELEVATION/DEPTH TOP OF SAND: 138

ELEVATION/DEPTH TOP OF SCREEN: 140

TYPE OF SCREEN: Schedule 40 PVC

SLOT SIZE x LENGTH: 0.010-inch X 15 Feet

TYPE OF SAND PACK: 20/30 Sand

ELEVATION / DEPTH BOTTOM OF SCREEN: 155

ELEVATION / DEPTH BOTTOM OF SAND: 156

ELEVATION/DEPTH BOTTOM OF HOLE: 156

BACKFILL MATERIAL BELOW SAND: Natural

ACAD:FORM_MWFM.dwg 07/29/99 INL

WELL NO.: OLFS4-MW-26D

Tetra Tech NUS, Inc.

OVERBURDEN
MONITORING WELL SHEET
FLUSH - MOUNT

PROJECT: Saufley Site 4	LOCATION: Pensacola, FL	DRILLER: ProSonic
PROJECT NO.: 112G00389	BORING: OLFS4-MW26D	DRILLING METHOD: Sonic
DATE BEGUN: 12-7-06	DATE COMPLETED: 12-7-06	
FIELD GEOLOGIST: Gary J. Davis		DEVELOPMENT METHOD: Pump & Surge
GROUND ELEVATION:	DATUM:	

ELEVATION TOP OF RISER: _____

TYPE OF SURFACE SEAL: 2' X 2' Concrete Pad

TYPE OF PROTECTIVE CASING: 8-Inch Steel Manhole

I.D. OF PROTECTIVE CASING: 10-Inch Skirt

DIAMETER OF HOLE: 6-Inch

TYPE OF RISER PIPE: Schedule 40 PVC

RISER PIPE I.D.: 2-Inch

TYPE OF BACKFILL/SEAL: Portland/ Bentonite Grout

ELEVATION/DEPTH TOP OF SEAL: 172

TYPE OF SEAL: 30/65 Fine Sand

ELEVATION/DEPTH TOP OF SAND: 174

ELEVATION/DEPTH TOP OF SCREEN: 176

TYPE OF SCREEN: Schedule 40 PVC

SLOT SIZE x LENGTH: 0.010-Inch X 5 Feet

TYPE OF SAND PACK: 20/30 Sand

ELEVATION / DEPTH BOTTOM OF SCREEN: 181

ELEVATION / DEPTH BOTTOM OF SAND: 181

ELEVATION/DEPTH BOTTOM OF HOLE: 181

BACKFILL MATERIAL BELOW SAND: Native

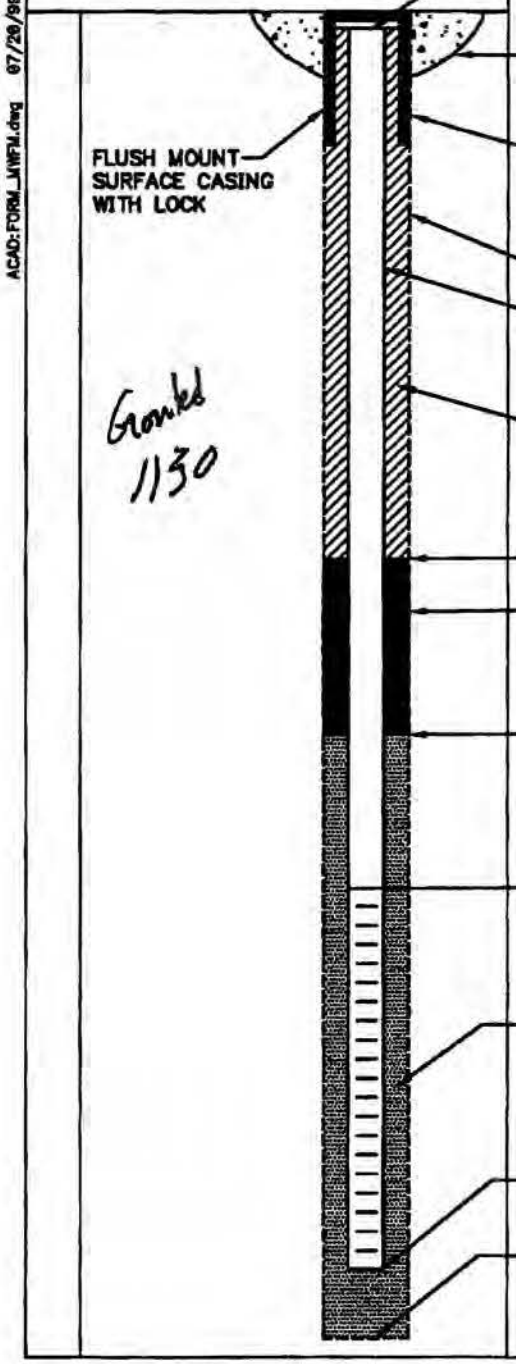
ACAD: FORM_MWFM.dwg 07/28/99 INL

Tetra Tech NUS, Inc.

OVERBURDEN
MONITORING WELL SHEET
FLUSH - MOUNT

WELL NO.: OLFS4-MW~~-25-S~~ Change to 2-S

PROJECT: Saufley Site 4	LOCATION: Pensacola, FL	DRILLER: ProSonic
PROJECT NO.: 112G00389	BORING: OLFS4-MW-25-S	DRILLING METHOD: Sonic
DATE BEGUN: 12-6-06	DATE COMPLETED: 12-6-06	
FIELD GEOLOGIST: Gary J. Davis		DEVELOPMENT METHOD: Pump & Surge
GROUND ELEVATION:	DATUM:	



ELEVATION TOP OF RISER:

TYPE OF SURFACE SEAL: 2' X 2' Concrete Pad

TYPE OF PROTECTIVE CASING: 8-inch Steel Manhole

I.D. OF PROTECTIVE CASING: 10-inch Skirt

DIAMETER OF HOLE: 6-Inch

TYPE OF RISER PIPE: Schedule 40 PVC

RISER PIPE I.D.: 2-Inch

TYPE OF BACKFILL/SEAL: Portland/ Bentonite Grout

ELEVATION/DEPTH TOP OF SEAL: 136

TYPE OF SEAL: 30/65 Fine Sand

ELEVATION/DEPTH TOP OF SAND: 138

ELEVATION/DEPTH TOP OF SCREEN: 140

TYPE OF SCREEN: Schedule 40 PVC

SLOT SIZE x LENGTH: 0.010-inch X 15 Feet

TYPE OF SAND PACK: 20/30 Sand

ELEVATION / DEPTH BOTTOM OF SCREEN: 155

ELEVATION / DEPTH BOTTOM OF SAND: 156

ELEVATION/DEPTH BOTTOM OF HOLE: 156

BACKFILL MATERIAL BELOW SAND: Natural

ACAD:FORM_MWFM.dwg 07/26/99 INL

WELL NO.: OLFS4-MW-28S

Tetra Tech NUS, Inc.

OVERBURDEN
MONITORING WELL SHEET
FLUSH - MOUNT

PROJECT: Saufley Site 4	LOCATION: Pensacola, FL	DRILLER: ProSonic	
PROJECT NO.: 112G00389	BORING: OLFS4-MW28S	DRILLING METHOD: Sonic	
DATE BEGUN: 12-13-06	DATE COMPLETED: 12-13-06		
FIELD GEOLOGIST: Gary J. Davis		DEVELOPMENT METHOD: Pump & Surge	
GROUND ELEVATION:	DATUM:		

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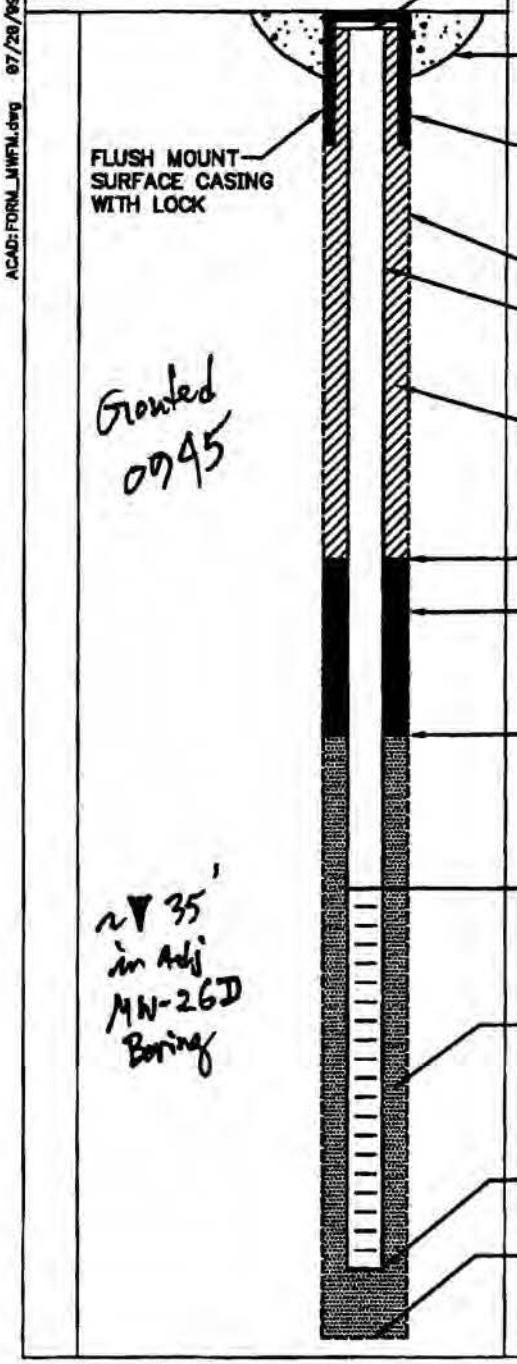

ELEVATION TOP OF RISER: _____

TYPE OF SURFACE SEAL: 2' X 2' Concrete Pad

TYPE OF PROTECTIVE CASING: 8-inch Steel Manhole

I.D. OF PROTECTIVE CASING: 10-inch Skirt

DIAMETER OF HOLE: 6-Inch

TYPE OF RISER PIPE: Schedule 40 PVC

RISER PIPE I.D.: 2-Inch

TYPE OF BACKFILL/SEAL: Portland/ Bentonite Grout

ELEVATION/DEPTH TOP OF SEAL: 126

TYPE OF SEAL: 30/65 Fine Sand

ELEVATION/DEPTH TOP OF SAND: 128

ELEVATION/DEPTH TOP OF SCREEN: 130

TYPE OF SCREEN: Schedule 40 PVC

SLOT SIZE x LENGTH: 0.010-inch X 15 Feet

TYPE OF SAND PACK: 20/30 Sand

ELEVATION / DEPTH BOTTOM OF SCREEN: 145

ELEVATION / DEPTH BOTTOM OF SAND: 145

ELEVATION/DEPTH BOTTOM OF HOLE: 145

BACKFILL MATERIAL BELOW SAND: Native

WELL NO.: OLFS4-MW- 29D

Tetra Tech NUS, Inc.

OVERBURDEN
MONITORING WELL SHEET
FLUSH - MOUNT

PROJECT: Saufley Site 4	LOCATION: Pensacola, FL	DRILLER: ProSonic
PROJECT NO.: 112G00389	BORING: 12-13-06	DRILLING METHOD: Sonic
DATE BEGUN: 12-13-06	DATE COMPLETED: OLFSA MW29D	
FIELD GEOLOGIST: Gary J. Davis		DEVELOPMENT METHOD: Pump & Surge
GROUND ELEVATION:	DATUM:	

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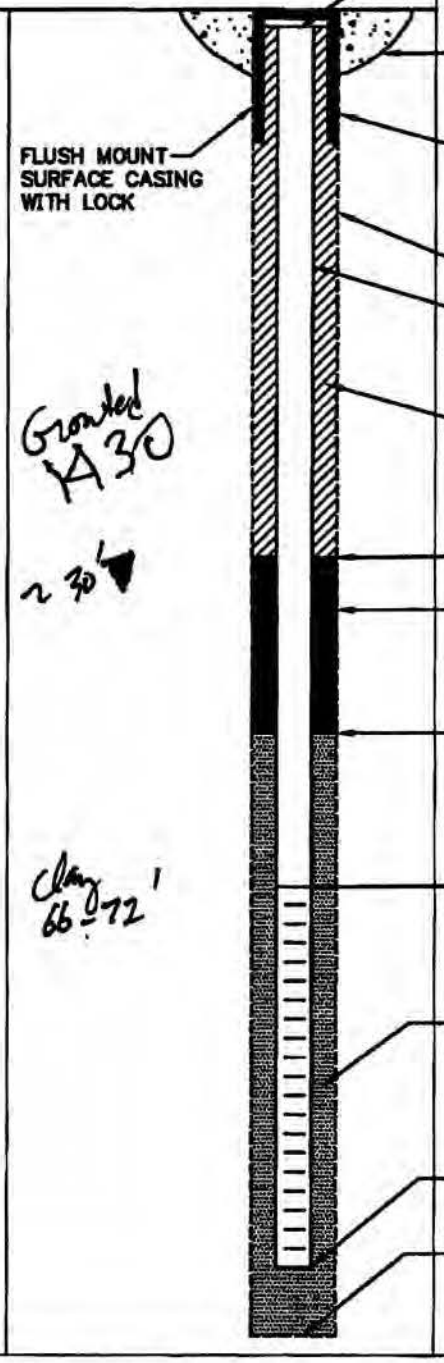


ELEVATION TOP OF RISER: _____

TYPE OF SURFACE SEAL: 2' X 2' Concrete Pad

TYPE OF PROTECTIVE CASING: 8-inch Steel Manhole

I.D. OF PROTECTIVE CASING: 10-inch Skirt

DIAMETER OF HOLE: 6-Inch

TYPE OF RISER PIPE: Schedule 40 PVC

RISER PIPE I.D.: 2-Inch

TYPE OF BACKFILL/SEAL: Portland/ Bentonite Grout

ELEVATION/DEPTH TOP OF SEAL: 170

TYPE OF SEAL: 30/65 Fine Sand

ELEVATION/DEPTH TOP OF SAND: 172

ELEVATION/DEPTH TOP OF SCREEN: 175

TYPE OF SCREEN: Schedule 40 PVC

SLOT SIZE x LENGTH: 0.010-inch X 5 Feet

TYPE OF SAND PACK: 20/30 Sand

ELEVATION / DEPTH BOTTOM OF SCREEN: 180

ELEVATION / DEPTH BOTTOM OF SAND: 181

ELEVATION/DEPTH BOTTOM OF HOLE: 181

BACKFILL MATERIAL BELOW SAND: Natural

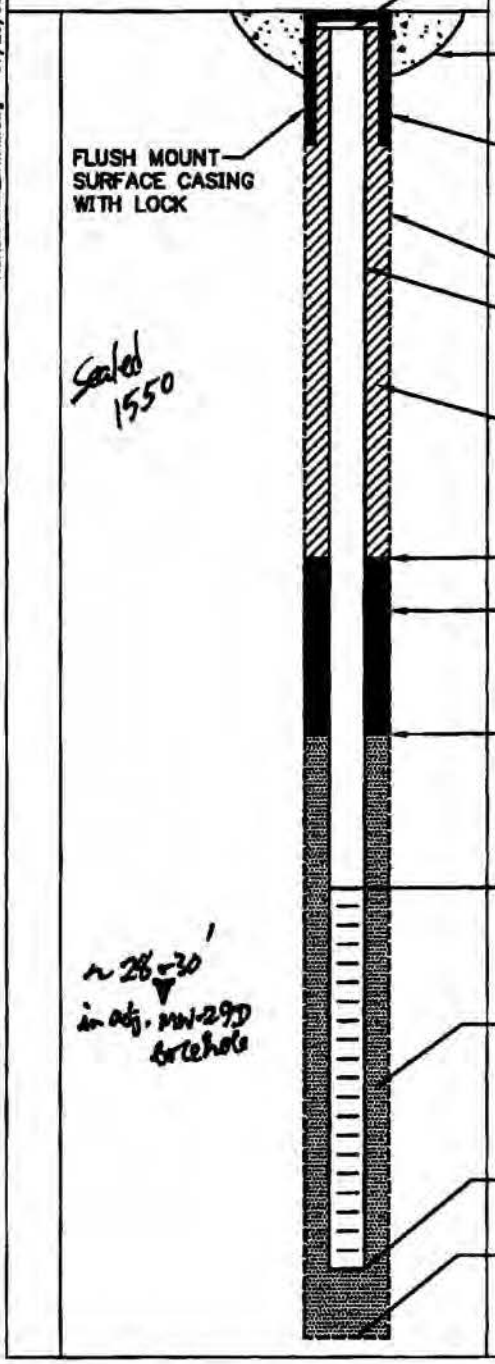
WELL NO.: OLFS4-MW-30S

Tetra Tech NUS, Inc.

OVERBURDEN
MONITORING WELL SHEET
FLUSH - MOUNT

PROJECT: Saufley Site 4	LOCATION: Pensacola, FL	DRILLER: ProSonic
PROJECT NO.: 112G00389	BORING: OLFS4-MW30S	DRILLING METHOD: Sonic
DATE BEGUN: 12-13-06	DATE COMPLETED: 12-13-06	
FIELD GEOLOGIST: Gary J. Davis		DEVELOPMENT METHOD: Pump & Surge
GROUND ELEVATION:	DATUM:	

ACAD:FORM_MWFM.dwg INL 07/28/99



ELEVATION TOP OF RISER: _____

TYPE OF SURFACE SEAL: 2' X 2' Concrete Pad

TYPE OF PROTECTIVE CASING: 8-Inch Steel Manhole

I.D. OF PROTECTIVE CASING: 10-inch Skirt

DIAMETER OF HOLE: 6-Inch

TYPE OF RISER PIPE: Schedule 40 PVC

RISER PIPE I.D.: 2-Inch

TYPE OF BACKFILL/SEAL: Portland/ Bentonite Grout

ELEVATION/DEPTH TOP OF SEAL: 121

TYPE OF SEAL: 30/65 Fine Sand

ELEVATION/DEPTH TOP OF SAND: 123

ELEVATION/DEPTH TOP OF SCREEN: 125

TYPE OF SCREEN: Schedule 40 PVC

SLOT SIZE x LENGTH: 0.010-Inch X 15 Feet

TYPE OF SAND PACK: 20/30 Sand

ELEVATION / DEPTH BOTTOM OF SCREEN: 140

ELEVATION / DEPTH BOTTOM OF SAND: 141

ELEVATION/DEPTH BOTTOM OF HOLE: 141

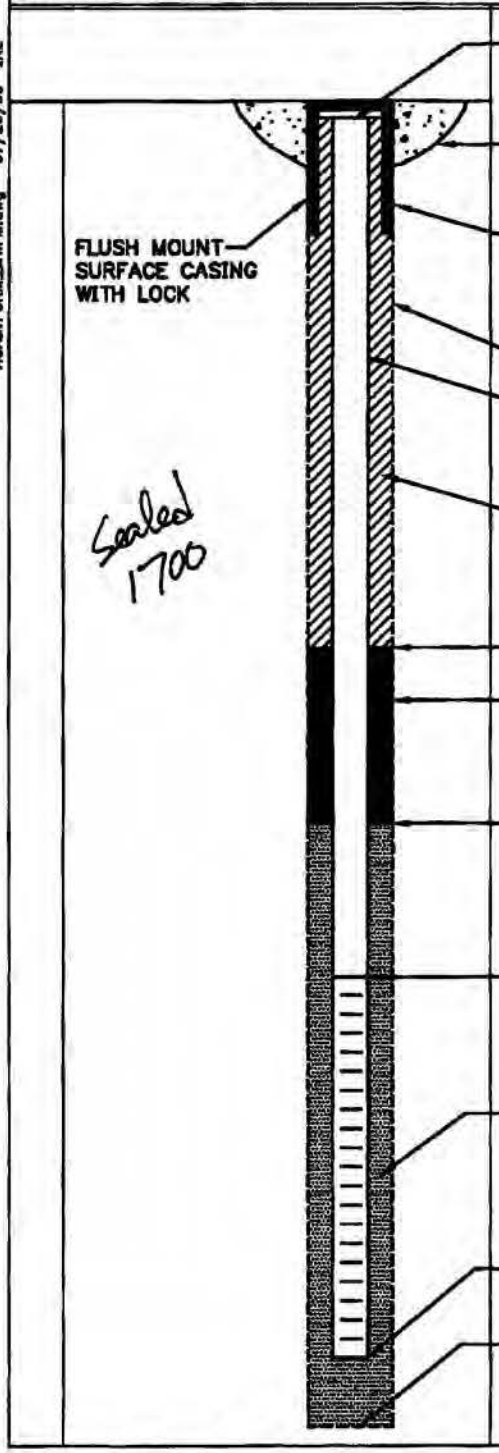
BACKFILL MATERIAL BELOW SAND: Native

WELL NO.: OLFS4-MW-315

Tetra Tech NUS, Inc.

OVERBURDEN
MONITORING WELL SHEET
FLUSH - MOUNT

PROJECT: Saufley Site 4	LOCATION: Pensacola, FL	DRILLER: ProSonic	
PROJECT NO.: 112G00389	BORING: OLFS4-MW-315	DRILLING METHOD: Sonic	
DATE BEGUN: 12-13-06	DATE COMPLETED: 12-13-06		
FIELD GEOLOGIST: Gary J. Davis		DEVELOPMENT METHOD: Pump & Surge	
GROUND ELEVATION:	DATUM:		



ELEVATION TOP OF RISER: _____

TYPE OF SURFACE SEAL: 2' X 2' Concrete Pad

TYPE OF PROTECTIVE CASING: 8-inch Steel Manhole

I.D. OF PROTECTIVE CASING: 10-inch Skirt

DIAMETER OF HOLE: 6-Inch

TYPE OF RISER PIPE: Schedule 40 PVC

RISER PIPE I.D.: 2-Inch

TYPE OF BACKFILL/SEAL: Portland/ Bentonite Grout

ELEVATION/DEPTH TOP OF SEAL: 121

TYPE OF SEAL: 30/65 Fine Sand

ELEVATION/DEPTH TOP OF SAND: 123

ELEVATION/DEPTH TOP OF SCREEN: 125

TYPE OF SCREEN: Schedule 40 PVC

SLOT SIZE x LENGTH: 0.010-Inch X 15 Feet

TYPE OF SAND PACK: 20/30 Sand

ELEVATION / DEPTH BOTTOM OF SCREEN: 140

ELEVATION / DEPTH BOTTOM OF SAND: 141

ELEVATION/DEPTH BOTTOM OF HOLE: 141

BACKFILL MATERIAL BELOW SAND: Natural

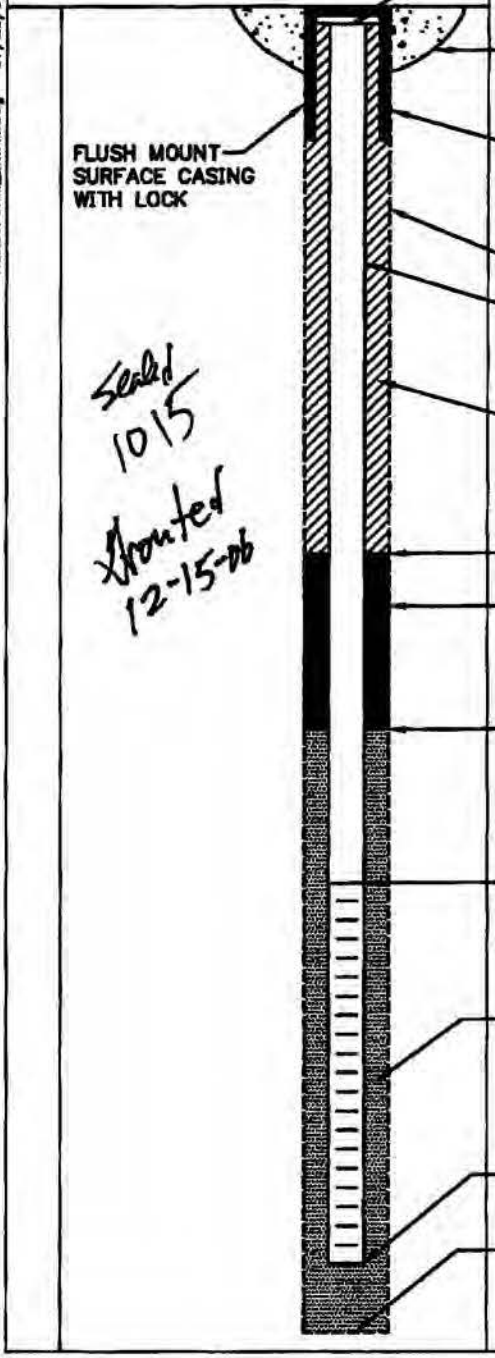
ACAD:FORM_MWFN.dwg 07/29/99 INL

WELL NO.: OLFS4-MW-32S

Tetra Tech NUS, Inc.

OVERBURDEN
MONITORING WELL SHEET
FLUSH - MOUNT

PROJECT: Saufley Site 4	LOCATION: Pensacola, FL	DRILLER: ProSonic
PROJECT NO.: 112G00389	BORING: OLFS4-MW32S	DRILLING METHOD: Sonic
DATE BEGUN: 12-14-06	DATE COMPLETED: 12-14-06	
FIELD GEOLOGIST: Gary J. Davis		DEVELOPMENT METHOD: Pump & Surge
GROUND ELEVATION:	DATUM:	



ELEVATION TOP OF RISER: _____

TYPE OF SURFACE SEAL: 2' X 2' Concrete Pad

TYPE OF PROTECTIVE CASING: 8-inch Steel Manhole

I.D. OF PROTECTIVE CASING: 10-inch Skirt

DIAMETER OF HOLE: 6-Inch

TYPE OF RISER PIPE: Schedule 40 PVC

RISER PIPE I.D.: 2-Inch

TYPE OF BACKFILL/SEAL: Portland/ Bentonite Grout

ELEVATION/DEPTH TOP OF SEAL: 121

TYPE OF SEAL: 30/65 Fine Sand

ELEVATION/DEPTH TOP OF SAND: 123

ELEVATION/DEPTH TOP OF SCREEN: 125

TYPE OF SCREEN: Schedule 40 PVC

SLOT SIZE x LENGTH: 0.010-inch X 15 Feet

TYPE OF SAND PACK: 20/30 Sand

ELEVATION / DEPTH BOTTOM OF SCREEN: 140

ELEVATION / DEPTH BOTTOM OF SAND: 141

ELEVATION/DEPTH BOTTOM OF HOLE: 141

BACKFILL MATERIAL BELOW SAND: Native

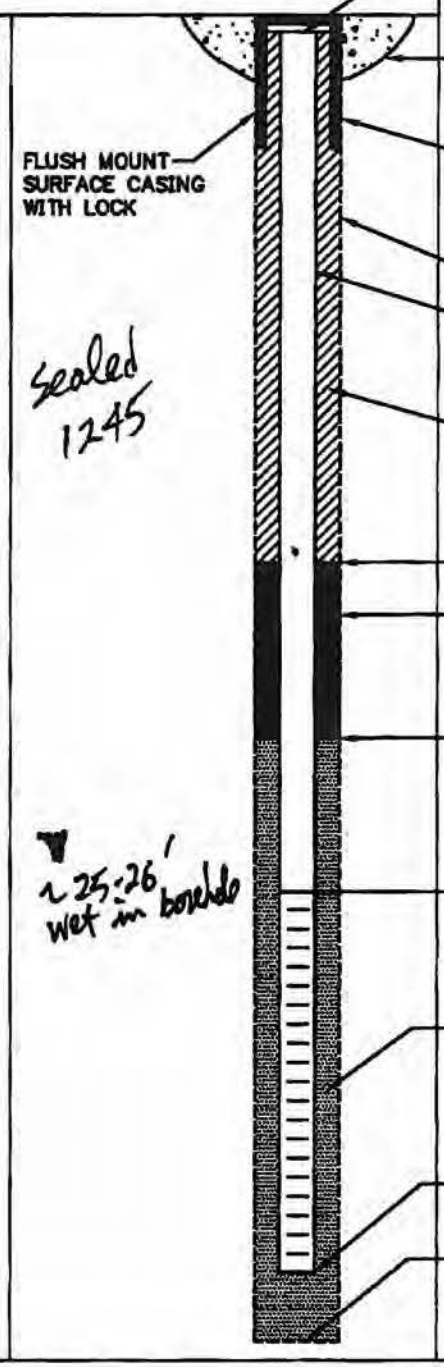
ACAD: FORM_MWFM.dwg 07/28/99 INL

WELL NO.: OLFS4-MW-335

Tetra Tech NUS, Inc.

OVERBURDEN MONITORING WELL SHEET FLUSH - MOUNT

PROJECT: Saufley Site 4	LOCATION: Pensacola, FL	DRILLER: ProSonic	
PROJECT NO.: 112G00389	BORING: OLFS4-MW-335	DRILLING METHOD: Sonic	
DATE BEGUN: 12-14-06	DATE COMPLETED: 12-14-06		
FIELD GEOLOGIST: Gary J. Davis		DEVELOPMENT METHOD: Pump & Surge	
GROUND ELEVATION:	DATUM:		



ELEVATION TOP OF RISER: _____

TYPE OF SURFACE SEAL: 2' X 2' Concrete Pad

TYPE OF PROTECTIVE CASING: 8-inch Steel Manhole

I.D. OF PROTECTIVE CASING: 10-inch Skirt

DIAMETER OF HOLE: 6-Inch

TYPE OF RISER PIPE: Schedule 40 PVC

RISER PIPE I.D.: 2-Inch

TYPE OF BACKFILL/SEAL: Portland/ Bentonite Grout

ELEVATION/DEPTH TOP OF SEAL: 16 +4.0 / 21

TYPE OF SEAL: 30/65 Fine Sand

ELEVATION/DEPTH TOP OF SAND: 18 +2.0 / 23

ELEVATION/DEPTH TOP OF SCREEN: 20 +0.0 / 25

TYPE OF SCREEN: Schedule 40 PVC #10

SLOT SIZE x LENGTH: 0.010-inch X 15 Feet

TYPE OF SAND PACK: 20/30 Sand 20

ELEVATION / DEPTH BOTTOM OF SCREEN: 40

ELEVATION / DEPTH BOTTOM OF SAND: 41

ELEVATION/DEPTH BOTTOM OF HOLE: 41

BACKFILL MATERIAL BELOW SAND: Natural

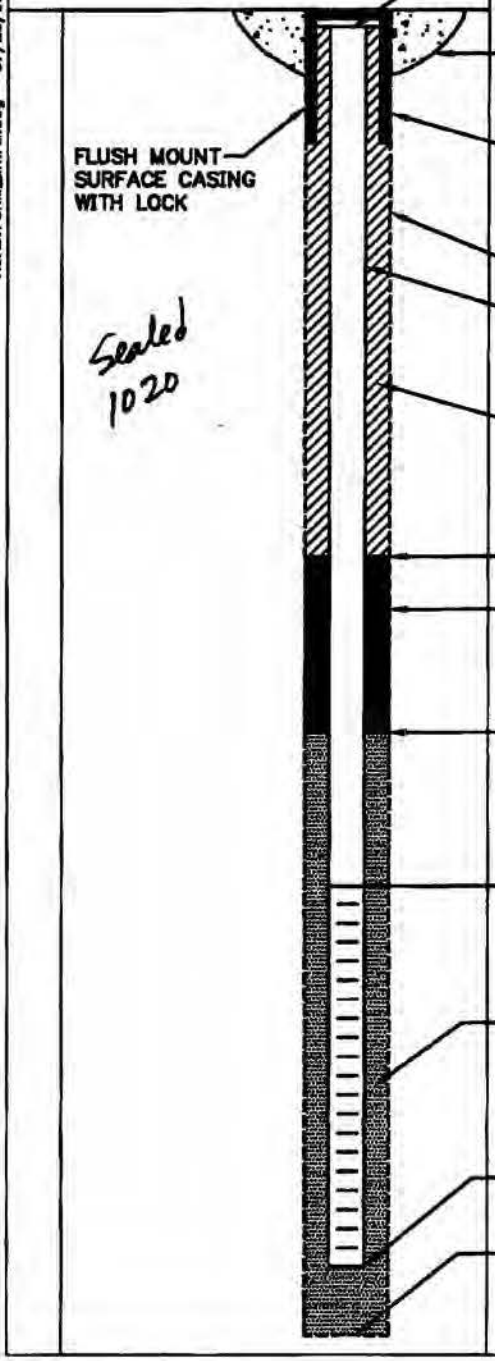
ACAD: FORM_MWFM.dwg 07/29/99 INL

WELL NO.: OLFS4-MW-34S

Tetra Tech NUS, Inc.

OVERBURDEN
MONITORING WELL SHEET
FLUSH - MOUNT

PROJECT: Saufley Site 4	LOCATION: Pensacola, FL	DRILLER: ProSonic	
PROJECT NO.: 112G00389	BORING: OLFS4-MW-34S	DRILLING METHOD: Sonic	
DATE BEGUN: 12-14-06	DATE COMPLETED: 12-14-06		
FIELD GEOLOGIST: Gary J. Davis		DEVELOPMENT METHOD: Pump & Surge	
GROUND ELEVATION:	DATUM:		



ELEVATION TOP OF RISER:

TYPE OF SURFACE SEAL: 2' X 2' Concrete Pad

TYPE OF PROTECTIVE CASING: 8-inch Steel Manhole

I.D. OF PROTECTIVE CASING: 10-inch Skirt

DIAMETER OF HOLE: 6-Inch

TYPE OF RISER PIPE: Schedule 40 PVC

RISER PIPE I.D.: 2-Inch

TYPE OF BACKFILL/SEAL: Portland/ Bentonite Grout

ELEVATION/DEPTH TOP OF SEAL: 121

TYPE OF SEAL: 30/65 Fine Sand

ELEVATION/DEPTH TOP OF SAND: 123

ELEVATION/DEPTH TOP OF SCREEN: 125

TYPE OF SCREEN: Schedule 40 PVC

SLOT SIZE x LENGTH: 0.010-inch X 15 Feet

TYPE OF SAND PACK: 20/30 Sand

ELEVATION / DEPTH BOTTOM OF SCREEN: 140

ELEVATION / DEPTH BOTTOM OF SAND: 141

ELEVATION/DEPTH BOTTOM OF HOLE: 141

BACKFILL MATERIAL BELOW SAND: Natural

ACAD:FORM_MWFM.dwg 07/28/99 INL

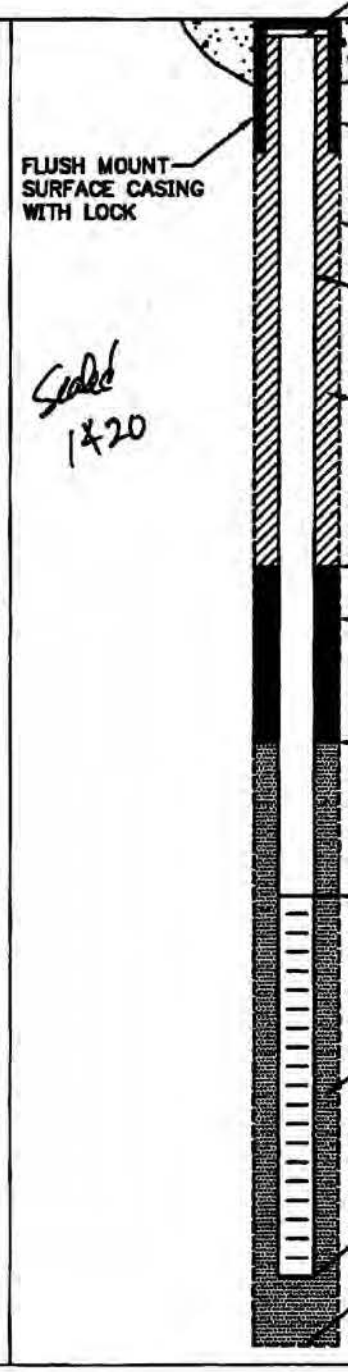
WELL NO.: OLFS4-MW-35S

Tetra Tech NUS, Inc.

OVERBURDEN MONITORING WELL SHEET FLUSH - MOUNT

PROJECT: Saufley Site 4	LOCATION: Pensacola, FL	DRILLER: ProSonic
PROJECT NO.: 112G00389	BORING:	DRILLING METHOD: Sonic
DATE BEGUN:	DATE COMPLETED:	
FIELD GEOLOGIST: Gary J. Davis		DEVELOPMENT METHOD: Pump & Surge
GROUND ELEVATION:	DATUM:	

ACAD: FORM_MWFM.dwg 07/29/99 INL



ELEVATION TOP OF RISER: _____

TYPE OF SURFACE SEAL: 2' X 2' Concrete Pad

TYPE OF PROTECTIVE CASING: 8-Inch Steel Manhole

I.D. OF PROTECTIVE CASING: 10-inch Skirt

DIAMETER OF HOLE: 6-Inch

TYPE OF RISER PIPE: Schedule 40 PVC

RISER PIPE I.D.: 2-Inch

TYPE OF BACKFILL/SEAL: Portland/ Bentonite Grout

ELEVATION/DEPTH TOP OF SEAL: 121

TYPE OF SEAL: 30/65 Fine Sand

ELEVATION/DEPTH TOP OF SAND: 123

ELEVATION/DEPTH TOP OF SCREEN: 125

TYPE OF SCREEN: Schedule 40 PVC

SLOT SIZE x LENGTH: 0.010-inch X 15 Feet

TYPE OF SAND PACK: 20/30 Sand

ELEVATION / DEPTH BOTTOM OF SCREEN: 140

ELEVATION / DEPTH BOTTOM OF SAND: 141

ELEVATION/DEPTH BOTTOM OF HOLE: 141

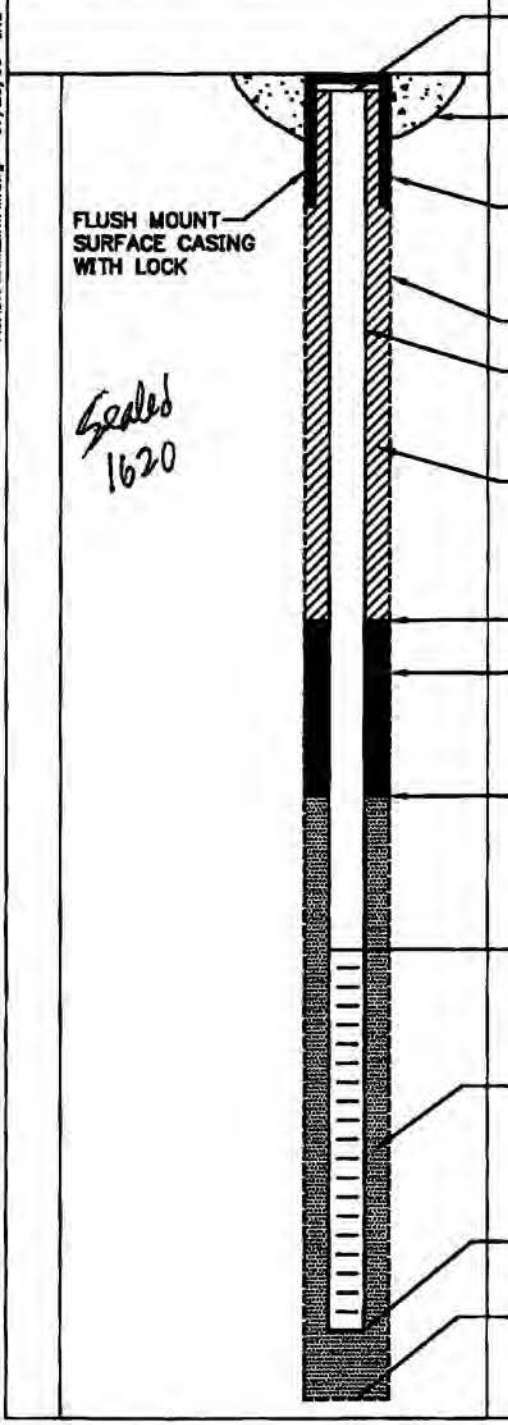
BACKFILL MATERIAL BELOW SAND: Natural

WELL NO.: OLFS4-MW-36S

Tetra Tech NUS, Inc.

OVERBURDEN
MONITORING WELL SHEET
FLUSH - MOUNT

PROJECT: Saufley Site 4	LOCATION: Pensacola, FL	DRILLER: ProSonic	
PROJECT NO.: 112G00389	BORING: OLFS4-MW36-S	DRILLING METHOD: Sonic	
DATE BEGUN: 12-14-06	DATE COMPLETED: 12-14-06		
FIELD GEOLOGIST: Gary J. Davis		DEVELOPMENT METHOD: Pump & Surge	
GROUND ELEVATION:	DATUM:		



ELEVATION TOP OF RISER:

TYPE OF SURFACE SEAL: 2' X 2' Concrete Pad

TYPE OF PROTECTIVE CASING: 8-inch Steel Manhole

I.D. OF PROTECTIVE CASING: 10-inch Skirt

DIAMETER OF HOLE: 6-Inch

TYPE OF RISER PIPE: Schedule 40 PVC

RISER PIPE I.D.: 2-Inch

TYPE OF BACKFILL/SEAL: Portland/ Bentonite Grout

ELEVATION/DEPTH TOP OF SEAL: 121

TYPE OF SEAL: 30/65 Fine Sand

ELEVATION/DEPTH TOP OF SAND: 123

ELEVATION/DEPTH TOP OF SCREEN: 125

TYPE OF SCREEN: Schedule 40 PVC

SLOT SIZE x LENGTH: 0.010-inch X 15 Feet

TYPE OF SAND PACK: 20/30 Sand

ELEVATION / DEPTH BOTTOM OF SCREEN: 140

ELEVATION / DEPTH BOTTOM OF SAND: 141

ELEVATION/DEPTH BOTTOM OF HOLE: 141

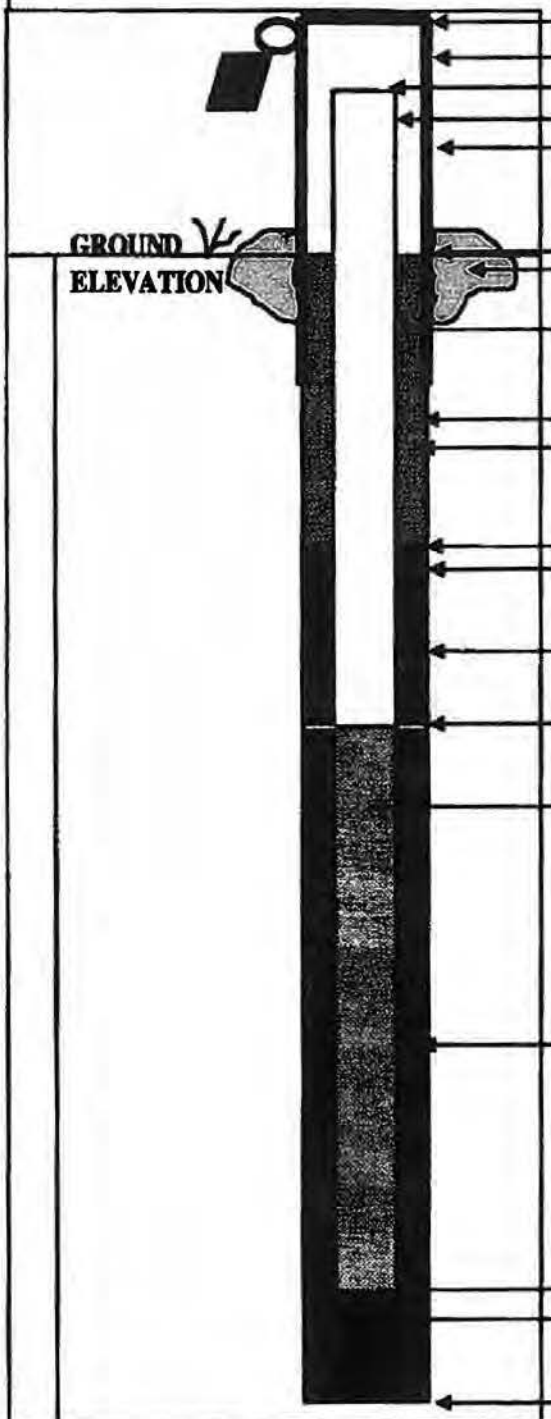
BACKFILL MATERIAL BELOW SAND: Native

ACAD: FORM_MWFM.dwg 07/28/99 INL

BORING NO.: _____

Tetra Tech NUS, Inc. OVERBURDEN MONITORING WELL SHEET

PROJECT:	S.L.G. Landfill	DRILLING Co.:	Boart Longyear	BORING No.:	MW37
PROJECT No.:	112G00385	DRILLER:	Mr. C Mudd	DATE COMPLETED:	6-4-07
SITE:	S.L.G.	DRILLING METHOD:	Hollow auger	NORTHING:	
GEOLOGIST:	Curtis Dean	DEV. METHOD:	~~bail~~	EASTING:	



ELEVATION OF TOP OF SURFACE CASING: _____

STICK-UP TOP OF SURFACE CASING: _____

ELEVATION OF TOP OF RISER PIPE: _____

RISER STICK-UP ABOVE GROUND SURFACE: _____

I.D. OF SURFACE CASING: N/A

TYPE OF SURFACE CASING: N/A

GROUND ELEVATION: _____

TYPE OF SURFACE SEAL: grout

RISER PIPE I.D.: 2.0"

TYPE OF RISER PIPE: PVC

BOREHOLE DIAMETER: 6"

TYPE OF SEAL: bentonite grout

ELEVATION / DEPTH OF SEAL: 47'

TYPE OF SEAL: bentonite

ELEVATION / DEPTH TOP OF FILTER PACK: 52'

ELEVATION / DEPTH TOP OF SCREEN: 54.54

TYPE OF SCREEN: slotted

SLOT SIZE X LENGTH: 10'

I.D. OF SCREEN: 2.0"

TYPE OF FILTER PACK: 20/30 sand

ELEVATION / DEPTH BOTTOM OF SCREEN: -64.54

ELEVATION / DEPTH BOTTOM OF FILTER PACK: -64.54

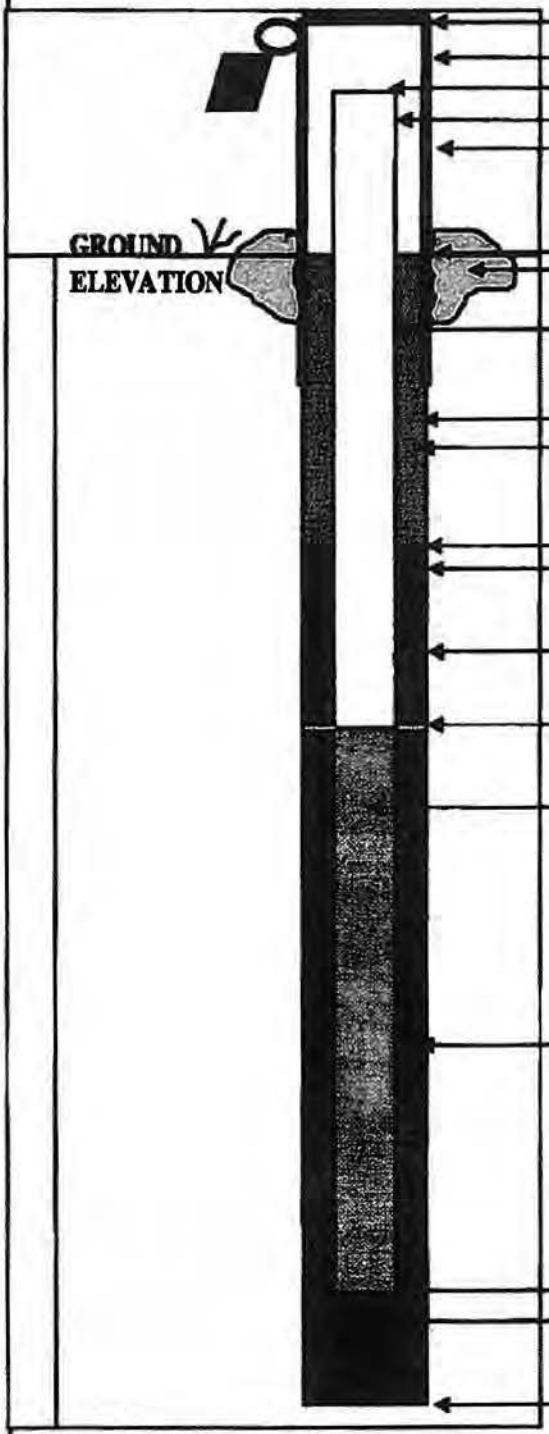
TYPE OF BACKFILL BELOW WELL: -64.54

ELEVATION / DEPTH OF BOREHOLE: '

BORING NO.: _____

Tetra Tech NUS, Inc. **OVERBURDEN MONITORING WELL SHEET**

PROJECT:	S.L.G. Landfill	DRILLING Co.:	Boart Longyear	BORING No.:	MW 38
PROJECT No.:	112G03AP1	DRILLER:	Mathieu	DATE COMPLETED:	6-4-07
SITE:		DRILLING METHOD:	Sonic	NORTHING:	
GEOLOGIST:	C. Dolan	DEV. METHOD:		EASTING:	



ELEVATION OF TOP OF SURFACE CASING: _____

STICK-UP TOP OF SURFACE CASING: _____

ELEVATION OF TOP OF RISER PIPE: _____

RISER STICK-UP ABOVE GROUND SURFACE: _____

I.D. OF SURFACE CASING: N/A

TYPE OF SURFACE CASING: N/A

GROUND ELEVATION: _____

TYPE OF SURFACE SEAL: grout

RISER PIPE I.D.: 2.0"

TYPE OF RISER PIPE: PVC

BOREHOLE DIAMETER: 6"

TYPE OF SEAL: bentonite grout

ELEVATION / DEPTH OF SEAL: 47.5'

TYPE OF SEAL: bentonite

ELEVATION / DEPTH TOP OF FILTER PACK: 33'

ELEVATION / DEPTH TOP OF SCREEN: -55.0'

TYPE OF SCREEN: slotted

SLOT SIZE X LENGTH: 10'

I.D. OF SCREEN: 2.0"

TYPE OF FILTER PACK: 20/30 sand

ELEVATION / DEPTH BOTTOM OF SCREEN: -65.0'

ELEVATION / DEPTH BOTTOM OF FILTER PACK: /

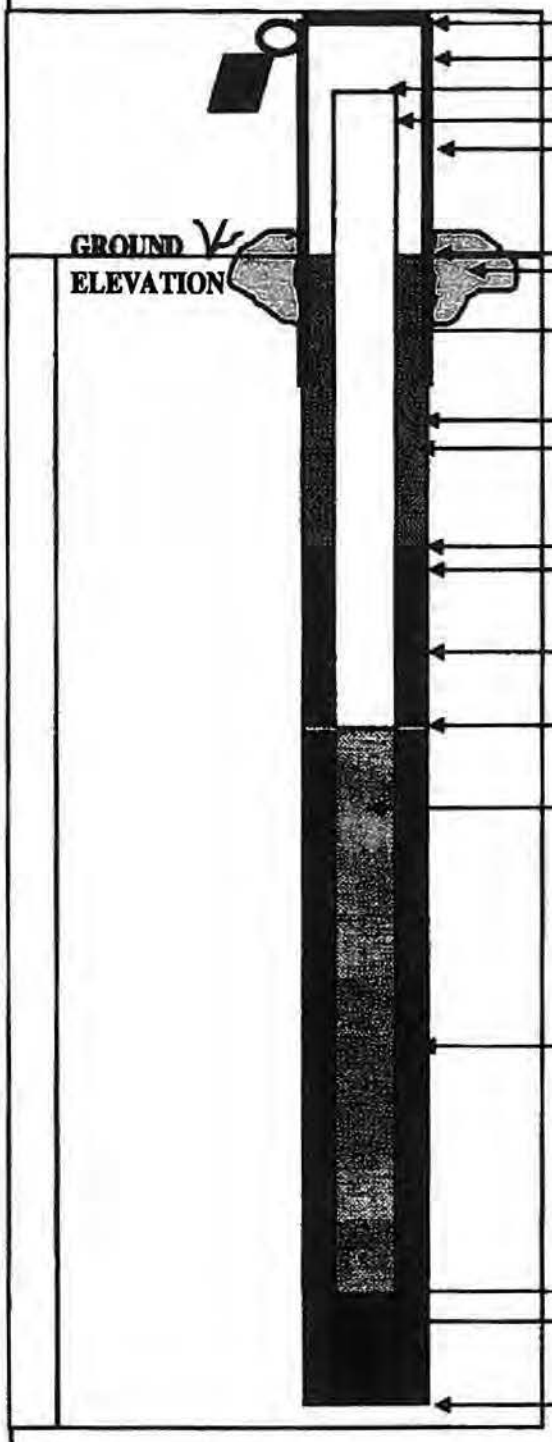
TYPE OF BACKFILL BELOW WELL: -65.0'

ELEVATION / DEPTH OF BOREHOLE: /

BORING NO.: _____

Tetra Tech NUS, Inc. **OVERBURDEN MONITORING WELL SHEET**

PROJECT:	S.L.4 Safety	DRILLING Co.:	Boart Longyear	BORING No.:	MW39
PROJECT No.:	112601389	DRILLER:	M. McKay	DATE COMPLETED:	6-5-02
SITE:	4	DRILLING METHOD:	photosonic	NORTHING:	
GEOLOGIST:	Curtis Odom	DEV. METHOD:		EASTING:	

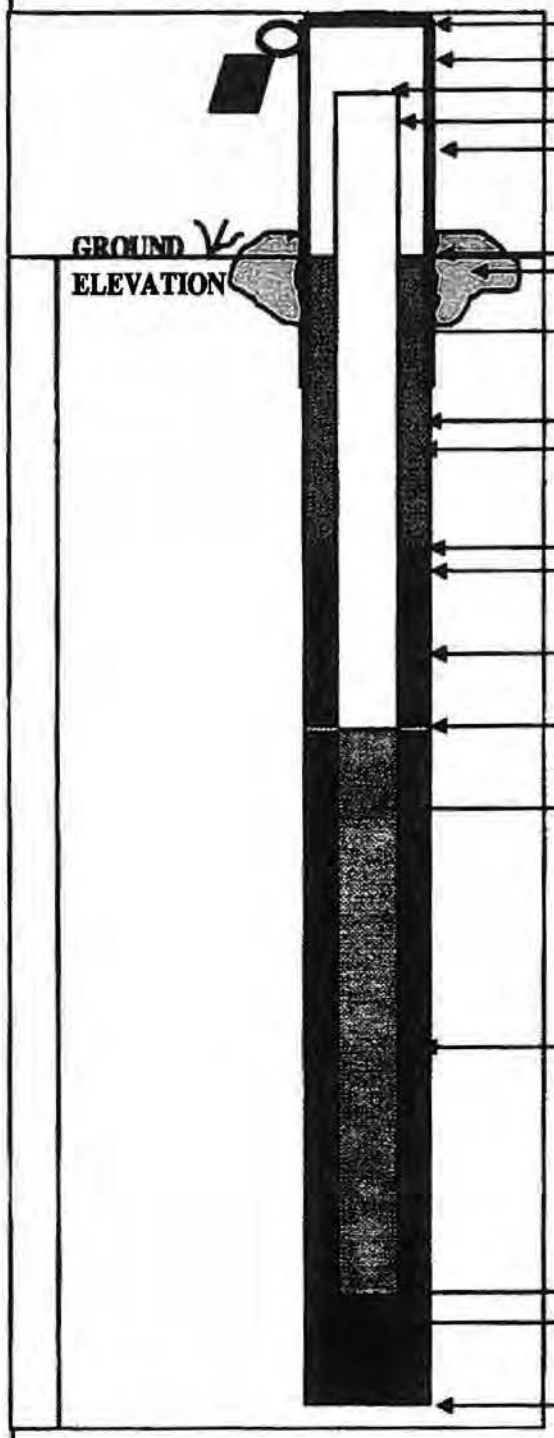


- ELEVATION OF TOP OF SURFACE CASING: _____
- STICK-UP TOP OF SURFACE CASING: _____
- ELEVATION OF TOP OF RISER PIPE: _____
- RISER STICK-UP ABOVE GROUND SURFACE: _____
- I.D. OF SURFACE CASING: 6"/8"
- TYPE OF SURFACE CASING: N/A
- GROUND ELEVATION: _____
- TYPE OF SURFACE SEAL: grout
- RISER PIPE I.D.: 2"
- TYPE OF RISER PIPE: PVC
- BOREHOLE DIAMETER: 6"
- TYPE OF SEAL: bentonite grout
- ELEVATION / DEPTH OF SEAL: 37/
- TYPE OF SEAL: bentonite
- ELEVATION / DEPTH TOP OF FILTER PACK: 47
- ELEVATION / DEPTH TOP OF SCREEN: -14.89/
- TYPE OF SCREEN: slot #10
- SLOT SIZE X LENGTH: 10'
- I.D. OF SCREEN: 2.0"
- TYPE OF FILTER PACK: 20/30 sand
- ELEVATION / DEPTH BOTTOM OF SCREEN: -54.89/
- ELEVATION / DEPTH BOTTOM OF FILTER PACK: /
- TYPE OF BACKFILL BELOW WELL: -54.89
- ELEVATION / DEPTH OF BOREHOLE: /

BORING NO.: _____

Tetra Tech NUS, Inc. **OVERBURDEN MONITORING WELL SHEET**

PROJECT:	S.L.G. Surface	DRILLING Co.:	Boart Longyear	BORING No.:	MW40
PROJECT No.:	112G02789	DRILLER:	M. McLean	DATE COMPLETED:	6/5-07
SITE:	4	DRILLING METHOD:	rotasonic	NORTHING:	
GEOLOGIST:	C. Dolan	DEV. METHOD:		EASTING:	



ELEVATION OF TOP OF SURFACE CASING: _____

STICK -UP TOP OF SURFACE CASING: _____

ELEVATION OF TOP OF RISER PIPE: _____

RISER STICK-UP ABOVE GROUND SURFACE: _____

I.D. OF SURFACE CASING: N/A

TYPE OF SURFACE CASING: N/A

GROUND ELEVATION: _____

TYPE OF SURFACE SEAL: grout

RISER PIPE I.D.: 2.0"

TYPE OF RISER PIPE: PVC

BOREHOLE DIAMETER: 6"

TYPE OF SEAL: grout

ELEVATION / DEPTH OF SEAL: 471

TYPE OF SEAL: bentonite

ELEVATION / DEPTH TOP OF FILTER PACK: 521

ELEVATION / DEPTH TOP OF SCREEN: 541.6

TYPE OF SCREEN: sl. Hed

SLOT SIZE X LENGTH: 10"

I.D. OF SCREEN: 2.0"

TYPE OF FILTER PACK: 20/30 sand

ELEVATION / DEPTH BOTTOM OF SCREEN: -64.86 /

ELEVATION / DEPTH BOTTOM OF FILTER PACK: /

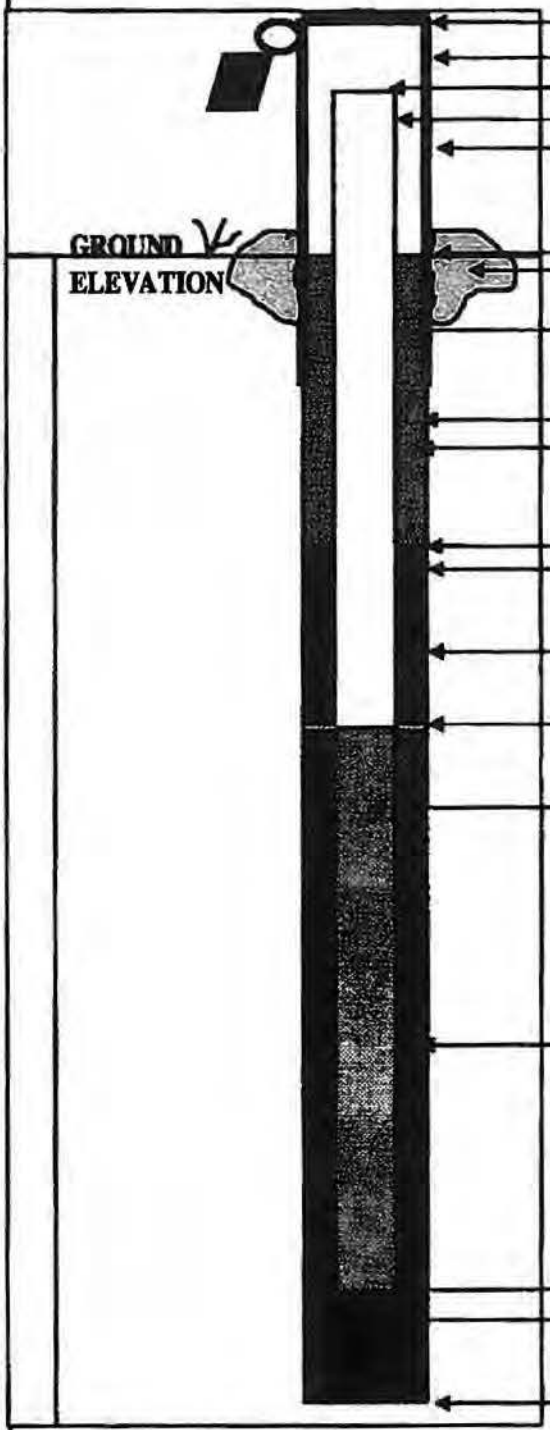
TYPE OF BACKFILL BELOW WELL: ~~bentonite~~

ELEVATION / DEPTH OF BOREHOLE: /

BORING NO.: _____

Tetra Tech NUS, Inc. **OVERBURDEN MONITORING WELL SHEET**

PROJECT:	Site 4 Sangley	DRILLING Co.:	Boart Longyear	BORING No.:	MW42
PROJECT No.:	112G00389	DRILLER:	M McEwen	DATE COMPLETED:	6-6-07
SITE:	4	DRILLING METHOD:	Rotosonic	NORTHING:	
GEOLOGIST:	C. Dolan	DEV. METHOD:		EASTING:	



ELEVATION OF TOP OF SURFACE CASING: _____

STICK -UP TOP OF SURFACE CASING: _____

ELEVATION OF TOP OF RISER PIPE: _____

RISER STICK-UP ABOVE GROUND SURFACE: _____

I.D. OF SURFACE CASING: N/A

TYPE OF SURFACE CASING: N/A

GROUND ELEVATION: _____

TYPE OF SURFACE SEAL: grout

RISER PIPE I.D.: ~~PVC~~ 2.0"

TYPE OF RISER PIPE: PVC

BOREHOLE DIAMETER: 6"

TYPE OF SEAL: _____

ELEVATION / DEPTH OF SEAL: 28'

TYPE OF SEAL: bentonite

ELEVATION / DEPTH TOP OF FILTER PACK: 33'

ELEVATION / DEPTH TOP OF SCREEN: 36.5'

TYPE OF SCREEN: slotted PVC

SLOT SIZE X LENGTH: 10'

I.D. OF SCREEN: 2.0"

TYPE OF FILTER PACK: 20/30 sand

ELEVATION / DEPTH BOTTOM OF SCREEN: 46.5'

ELEVATION / DEPTH BOTTOM OF FILTER PACK: /

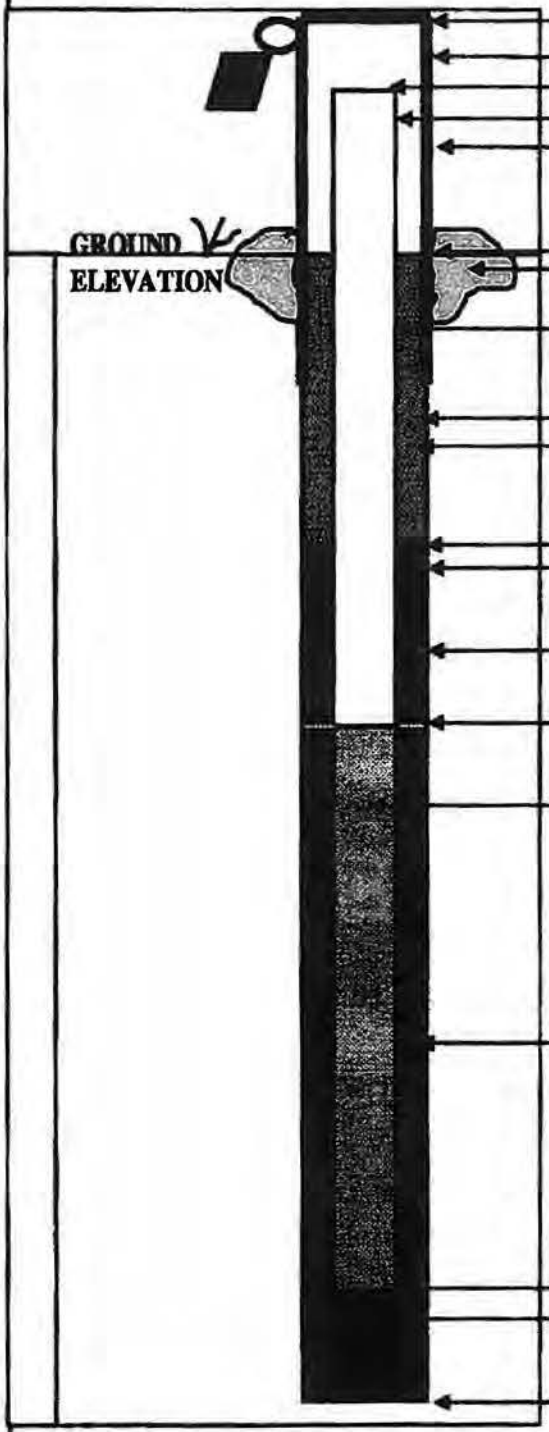
TYPE OF BACKFILL BELOW WELL: 46.5'

ELEVATION / DEPTH OF BOREHOLE: /

BORING NO.: _____

Tetra Tech NUS, Inc. **OVERBURDEN MONITORING WELL SHEET**

PROJECT:	S.te 9 Buffalo	DRILLING Co.:	Boart Longyear	BORING No.:	MW9(
PROJECT No.:	112 G03F91	DRILLER:	M McGee	DATE COMPLETED:	6-5-9[illegible]
SITE:	9	DRILLING METHOD:	10 to 50	NORTHING:	
GEOLOGIST:	C. Odeen	DEV. METHOD:		EASTING:	



ELEVATION OF TOP OF SURFACE CASING: _____

STICK -UP TOP OF SURFACE CASING: _____

ELEVATION OF TOP OF RISER PIPE: _____

RISER STICK-UP ABOVE GROUND SURFACE: _____

I.D. OF SURFACE CASING: N/A

TYPE OF SURFACE CASING: N/A

GROUND ELEVATION: _____

TYPE OF SURFACE SEAL: grout

RISER PIPE I.D.: 2.0"

TYPE OF RISER PIPE: PVC

BOREHOLE DIAMETER: 6"

TYPE OF SEAL: grout

ELEVATION / DEPTH OF SEAL: 49 /

TYPE OF SEAL: bentonite

ELEVATION / DEPTH TOP OF FILTER PACK: 53 /

ELEVATION / DEPTH TOP OF SCREEN: 54.95 /

TYPE OF SCREEN: slotted PVC

SLOT SIZE X LENGTH: 10"

I.D. OF SCREEN: 2.0"

TYPE OF FILTER PACK: 20/30 sand

ELEVATION / DEPTH BOTTOM OF SCREEN: -64.95 /

ELEVATION / DEPTH BOTTOM OF FILTER PACK: /

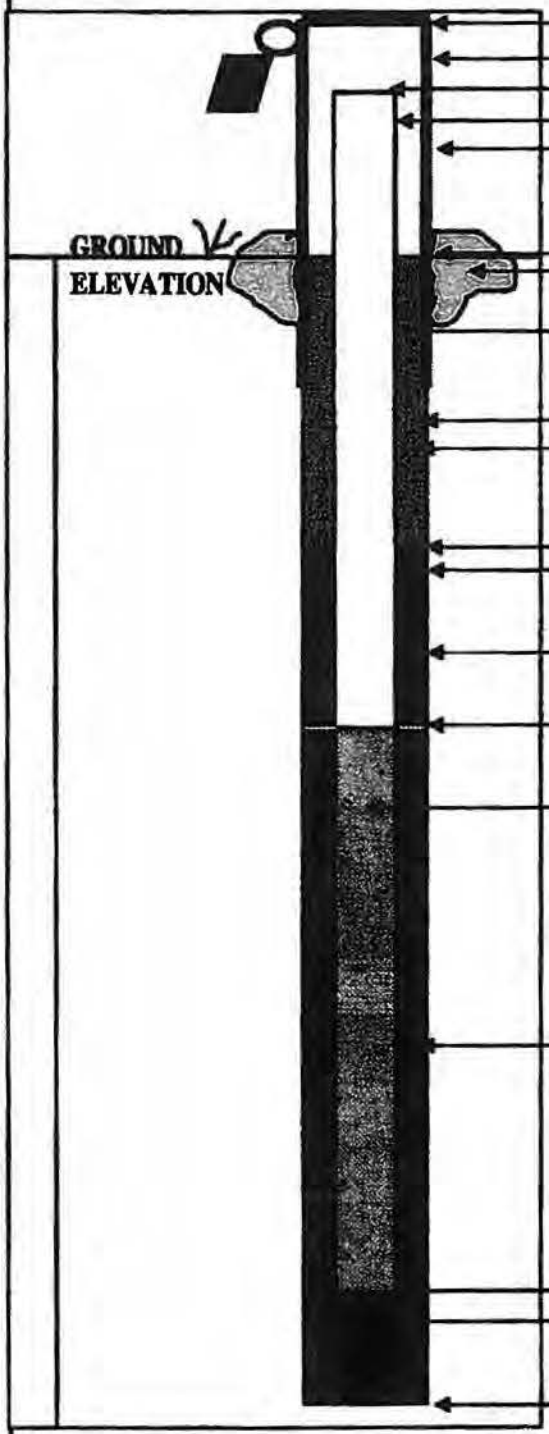
TYPE OF BACKFILL BELOW WELL: -64.95

ELEVATION / DEPTH OF BOREHOLE: /

BORING NO.: _____

Tetra Tech NUS, Inc. **OVERBURDEN MONITORING WELL SHEET**

PROJECT: Site 4 Seattle	DRILLING Co.: Boart Longyear	BORING No.: MW 43	
PROJECT No.: 112G00389.4	DRILLER: M. McLean	DATE COMPLETED:	6-6-07
SITE:	DRILLING METHOD: Mobile-C	NORTHING:	
GEOLOGIST: C. Odom	DEV. METHOD:	EASTING:	



ELEVATION OF TOP OF SURFACE CASING: _____

STICK -UP TOP OF SURFACE CASING: _____

ELEVATION OF TOP OF RISER PIPE: _____

RISER STICK-UP ABOVE GROUND SURFACE: _____

I.D. OF SURFACE CASING: N/A

TYPE OF SURFACE CASING: N/A

GROUND ELEVATION: _____

TYPE OF SURFACE SEAL: grout

RISER PIPE I.D.: 2.0"

TYPE OF RISER PIPE: PVC

BOREHOLE DIAMETER: ±6.0"

TYPE OF SEAL: grout

ELEVATION / DEPTH OF SEAL: 34 /

TYPE OF SEAL: bentonite

ELEVATION / DEPTH TOP OF FILTER PACK: 38 /

ELEVATION / DEPTH TOP OF SCREEN: 41.32 /

TYPE OF SCREEN: Sch. 40 PVC

SLOT SIZE X LENGTH: #10 10'

I.D. OF SCREEN: 2.0"

TYPE OF FILTER PACK: 20/30 sand

ELEVATION / DEPTH BOTTOM OF SCREEN: -51.32 /

ELEVATION / DEPTH BOTTOM OF FILTER PACK: /

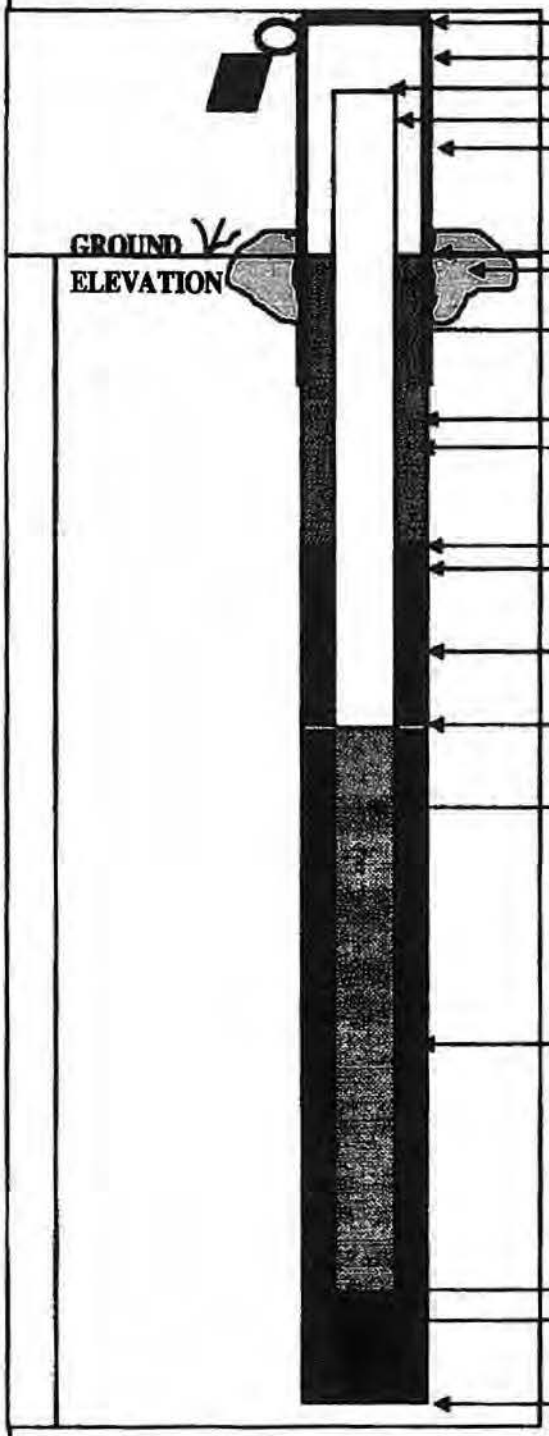
TYPE OF BACKFILL BELOW WELL: -51.32

ELEVATION / DEPTH OF BOREHOLE: /

BORING NO.: _____

Tetra Tech NUS, Inc. **OVERBURDEN MONITORING WELL SHEET**

PROJECT:	Site 4 Saltfleet	DRILLING Co.:	Boart Longyear	BORING No.:	MW44
PROJECT No.:	112G00389	DRILLER:	M. McLean	DATE COMPLETED:	6-6-02
SITE:	4	DRILLING METHOD:	Rotasonic	NORTHING:	
GEOLOGIST:	C. Odom	DEV. METHOD:		EASTING:	



ELEVATION OF TOP OF SURFACE CASING: _____

STICK -UP TOP OF SURFACE CASING: _____

ELEVATION OF TOP OF RISER PIPE: _____

RISER STICK-UP ABOVE GROUND SURFACE: _____

I.D. OF SURFACE CASING: N/A

TYPE OF SURFACE CASING: N/A

GROUND ELEVATION: _____

TYPE OF SURFACE SEAL: grout

RISER PIPE I.D.: 2.0"

TYPE OF RISER PIPE: PVC

BOREHOLE DIAMETER: 6.0"

TYPE OF SEAL: Grout

ELEVATION / DEPTH OF SEAL: 39'

TYPE OF SEAL: bentonite

ELEVATION / DEPTH TOP OF FILTER PACK: 43'

ELEVATION / DEPTH TOP OF SCREEN: 44.82'

TYPE OF SCREEN: slotted PVC

SLOT SIZE X LENGTH: 10'

I.D. OF SCREEN: 2.0"

TYPE OF FILTER PACK: 20/30 sand

ELEVATION / DEPTH BOTTOM OF SCREEN: -54.82'

ELEVATION / DEPTH BOTTOM OF FILTER PACK: /

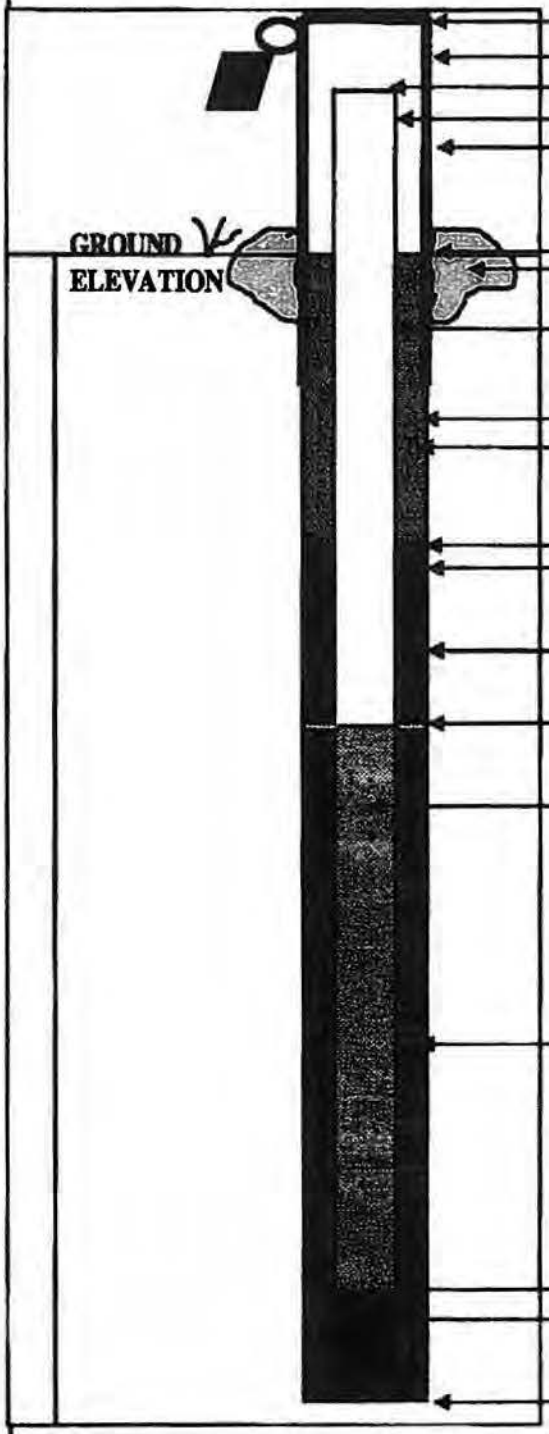
TYPE OF BACKFILL BELOW WELL: -54.82

ELEVATION / DEPTH OF BOREHOLE: /

BORING NO.: _____

Tetra Tech NUS, Inc. **OVERBURDEN MONITORING WELL SHEET**

PROJECT: Site 4 Sanford	DRILLING Co.: Boart Longyear	BORING No.: MW45	
PROJECT No.: 112G02289 4	DRILLER: M. McLean	DATE COMPLETED: 6-7-02	
SITE:	DRILLING METHOD: rotosonic	NORTHING:	
GEOLOGIST: C. Odom	DEV. METHOD:	EASTING:	



ELEVATION OF TOP OF SURFACE CASING: _____

STICK-UP TOP OF SURFACE CASING: _____

ELEVATION OF TOP OF RISER PIPE: _____

RISER STICK-UP ABOVE GROUND SURFACE: _____

I.D. OF SURFACE CASING: N/A

TYPE OF SURFACE CASING: N/A

GROUND ELEVATION: _____

TYPE OF SURFACE SEAL: grout

RISER PIPE I.D.: 2.0"

TYPE OF RISER PIPE: PVC

BOREHOLE DIAMETER: ±6.0"

TYPE OF SEAL: grout

ELEVATION / DEPTH OF SEAL: 43'

TYPE OF SEAL: bentonite

ELEVATION / DEPTH TOP OF FILTER PACK: 48'

ELEVATION / DEPTH TOP OF SCREEN: 51.05'

TYPE OF SCREEN: slotted PVC

SLOT SIZE X LENGTH: 10'

I.D. OF SCREEN: 2.0"

TYPE OF FILTER PACK: 20/30 sand

ELEVATION / DEPTH BOTTOM OF SCREEN: -61.05'

ELEVATION / DEPTH BOTTOM OF FILTER PACK: '

TYPE OF BACKFILL BELOW WELL: -61.05

ELEVATION / DEPTH OF BOREHOLE: '

Tetra Tech NUS, Inc.

MONITORING WELL DEVELOPMENT RECORD

Page ___ of ___

Well: OLSF4-MW-39 | Depth to Bottom (ft.): 54.89 | Responsible Personnel: Gary Davis
Site: Saufley Site 4 | Static Water Level Before (ft.): 46.54 | Drilling Co.: ProSonic
Date Installed: | Static Water Level After (ft.): | Project Name: Saufley Site 4
Date Developed: | Screen Length (ft.): | Project Number: 112G00389
Dev. Method: | 1 Well Volume: (.1632 X Feet H2O)
Pump Type: ~~Submersible~~ flow rate Monsoon | Casing ID (in.): 2-inch

sample time: 1635

Time	~~Estimated~~ Sediment ~~Thickness~~ (Ft.)	Cumulative Water Volume ~~(Gal.)~~ L	Water Level Readings (Ft. below TOC)	Temperature (Degrees C)	pH	Specific Conductance (Units ~~µs/cm~~)	Turbidity (NTU)	Remarks ~~(odor, color, etc.)~~ Dissolved Oxygen ~~(mg/L)~~	~~ORP~~ ORP
1540	0.250L/min	~~0.250L~~							
1545	"	1.25 L		28.21	6.04	0.115	850	2.55	102.6
1600	"	4.00L		27.93	6.10	0.115	160	2.70	90.9
1615	"	6.75L		28.07	6.05	0.111	30	2.66	95.9
1630	"	11.50L		28.15	5.99	0.110	20	2.82	106.2
~~1645~~	"								

46.54

11
2.75
1.25
2.75

2.5
1.25

100

G12-07 E.C

Tetra Tech NUS, Inc.

MONITORING WELL DEVELOPMENT RECORD

Page ___ of ___

Well: ___ OLSF4-MW-40
Site: ___ Saufley Site 4
Date Installed: ___
Date Developed: ___
Dev. Method: ___
Pump Type: flow rate

Depth to Bottom (ft.): ___
Static Water Level Before (ft.): 48.64
Static Water Level After (ft.): ___
Screen Length (ft.): ___
1 Well Volume: (.1632 X Feet H2O)
Casing ID (in.): 2-inch

Responsible Personnel: Gary Davis
Drilling Co.: ProSonic
Project Name: Saufley Site 4
Project Number: 112G00389

Sample Time 1100

Time	Estimated Sediment Thickness (ft.)	Cumulative Water Volume (Gal.)	Water Level Readings (Ft. below TOC)	Temperature (Degrees C)	pH	Specific Conductance (Units)	Turbidity (NTU)	Remarks (odor, color, etc.)	ORP
1003	250mL								
1033	200mL/min	6.0L	—	27.87	5.85	.038	68.2		80.9
1043	200	8.0L	—	28.10	5.78	.036	24.9		83.5
1048	200	9.0	—	28.25	5.72	.034	20.3		85.4
1053	200	10.0	—	28.48	5.71	.034	16.7		86.7

Tetra Tech NUS, Inc.

MONITORING WELL DEVELOPMENT RECORD

Page ___ of ____

Well: ____ OLSF4-MW-37
Site: ____ Saufley Site 4
Date Installed: _____
Date Developed: _____
Dev. Method: _____
Pump Type: flow rate

Depth to Bottom (ft.): _____
Static Water Level Before (ft.): _____
Static Water Level After (ft.): _____
Screen Length (ft.): _____
1 Well Volume: (.1632 X Feet H2O)
Casing ID (in.): __ 2-inch

Responsible Personnel: ___ Gary Davis
Drilling Co.: _____ ProSonic
Project Name: _____ Saufley Site 4
Project Number: _____ 112G00389

sample time 1600

Time	~~Estimated~~ Sediment Thickness (Ft.)	~~Cumulative~~ Water Volume (Gal.)	~~Water Level~~ Readings (Ft. ~~below~~ TOC) DO mg/L	Temperature (Degrees C)	pH	Specific Conductance (Units ____) mS/cm	Turbidity (NTU)	ORP Remarks	(odor, color, etc.)
1545	200 mL/m	~~2 compl~~	6.75	26.66	5.49	0.079	off scale	59.7	
1550	"	2.5L	6.95	26.23	5.45	0.082	50.2	57.5	
1455	"	5.0	7.00	25.60	5.40	0.080	19.2	65.7	
1600	"	7.5	6.63	25.47	5.41	0.080	11.3	58.3	

Tetra Tech NUS, Inc.

MONITORING WELL DEVELOPMENT RECORD

Well: OLSF4-MW-01-D2 Depth to Bottom (ft.): 130 Responsible Personnel: Gary Davis
Site: Saufley Site 4 Static Water Level Before (ft.): 49.55 Drilling Co.: ProSonic
Date Installed: 11-28-06 Static Water Level After (ft.): Project Name: Saufley Site 4
Date Developed: 12-2-06 Screen Length (ft.): 5' Project Number: 112G00389
Dev. Method: Submersible pump 1 Well Volume: (.1632 X Feet H2O)
Pump Type: Grundfos Casing ID (in.): 2-inch

Time	Estimated Sediment Thickness (Ft.)	Cumulative Water Volume (Gal.)	Water Level Readings (Ft. below TOC) Not cut Down yet	Temperature (Degrees C)	pH	Specific Conductance (Units ____)	Turbidity (NTU)	Remarks (odor, color, etc.)
0830	.1	—	49.55					Problem w/ Grundfos
12-05-06 1600		50 gal					84	

Tetra Tech NUS, Inc.

MONITORING WELL DEVELOPMENT RECORD

TOC Not at final cut

Well: OLSF4-MW-02D
Site: Saufley Site 4
Date Installed: 11-29-06
Date Developed: 12-2-06
Dev. Method: Pump + Surge
Pump Type: Monsoon

Depth to Bottom (ft.): 78.0
Static Water Level Before (ft.): 32.52
Static Water Level After (ft.):
Screen Length (ft.): 5'
1 Well Volume: (.1632 X Feet H2O)
Casing ID (in.): 2-inch

Responsible Personnel: Gary Davis, Ryan Parker
Drilling Co.: ProSonic
Project Name: Saufley Site 4
Project Number: 112G00389

Time	Estimated Sediment Thickness (Ft.)	Cumulative Water Volume (Gal.)	Water Level Readings (Ft. below TOC)	Temperature (Degrees C)	pH	Specific Conductance (Units ____)	Turbidity (NTU)	Remarks (odor, color, etc.)
1020	2	—						

Tetra Tech NUS, Inc.

MONITORING WELL DEVELOPMENT RECORD

Page ___ of _____

Well: MW-2D OLSF4-MW-
Site: Saufley Site 4
Date Installed: _____
Date Developed: 12-5-06
Dev. Method: Sub
Pump Type: Sub

Depth to Bottom (ft.): 80'
Static Water Level Before (ft.): 48.7
Static Water Level After (ft.): _____
Screen Length (ft.): _____
1 Well Volume: (.1632 X Feet H2O)
Casing ID (in.): 2-inch

Responsible Personnel: Gary Davis
Drilling Co.: ProSonic
Project Name: Saufley Site 4
Project Number: 112G00389

Time	Estimated Sediment Thickness (Ft.)	Cumulative Water Volume (Gal.)	Water Level Readings (Ft. below TOC)	Temperature (Degrees C)	pH	Specific Conductance (Units _____)	Turbidity (NTU)	Remarks (odor, color, etc.)
10:30				25.7	5.85	11	-5 Er.	Muddy Brown water
10:40				25.1	6.88	8	-5Er	" "
10:55				~~25.9~~	~~4.88~~	5	-5Er	Pump off well Dry
12:30		32.0		25.9	4.88	6	-5 Er	
4:45		50.0		25.2	4.75	4	980	Pump Failure.
0700								using Contractor Pump (Prosonic)

47.5

Tetra Tech NUS, Inc.

MONITORING WELL DEVELOPMENT RECORD

Page 1 of 1

TOC Not final cut

Well: OLSF4-MW-03S
Site: Saufley Site 4
Date Installed: 11-30-06
Date Developed: 12-2-06
Dev. Method: Pump & Surge
Pump Type: Mon 500

Depth to Bottom (ft.): 59.65
Static Water Level Before (ft.): 44.85
Static Water Level After (ft.): _____
Screen Length (ft.): _____
1 Well Volume: (.1632 X Feet H2O)
Casing ID (in.): 2-inch

Responsible Personnel: Gary Davis, Ryan Burka
Drilling Co.: ProSonic
Project Name: Saufley Site 4
Project Number: 112G00389

Time	Estimated Sediment Thickness (Ft.)	Cumulative Water Volume (Gal.)	Water Level Readings (Ft. below TOC)	Temperature (Degrees C)	pH	Specific Conductance (Units ____)	Turbidity (NTU)	Remarks (odor, color, etc.)
1025	0.4	—						

Tetra Tech NUS, Inc.

MONITORING WELL DEVELOPMENT RECORD

Page ___ of _____

Well: OLSF4-MW-035
Site: Saufley Site 4
Date Installed: 11/3/04
Date Developed: 12-5-05
Dev. Method: ~~H~~
Pump Type: Submersible

Depth to Bottom (ft.): 60
Static Water Level Before (ft.): 46.23
Static Water Level After (ft.): 47.44
Screen Length (ft.): 20'
1 Well Volume: (.1632 X Feet H2O)
Casing ID (in.): 2-inch

Responsible Personnel: Gary Davis
Drilling Co.: ProSonic
Project Name: Saufley Site 4
Project Number: 112G00389

Time	Estimated Sediment Thickness (Ft.)	Cumulative Water Volume (Gal.)	Water Level Readings (Ft. below TOC)	Temperature (Degrees C)	pH	Specific Conductance (Units mS/m)	Turbidity (NTU)	Remarks (odor, color, etc.)
1100								start flow rate = .5 gal/min
1110		5	N/A	25.3	5.92	15	off scale	probe wet/did reach water/ drill probes,
1118		9						well dry/ shut pump down /
1135								resume pumping
1140		11.5		24.8	5.64	14	320	
1150		16.5		25.6	5.59	15	150	test flow that water is well / shutting off
1200								resume pumping
1210		21.5		25.5	5.50	15	190	
1215		24.0					85	stop
1300								SWL = 47.44

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MONITORING WELL DEVELOPMENT RECORD

Not Final cut

Well: ____ OLSF4-MW-04D
Site: ____ Saufley Site 4
Date Installed: ____
Date Developed: 12-3-06
Dev. Method: Pump + Surge
Pump Type: Monsoon

Depth to Bottom (ft.): ____
Static Water Level Before (ft.): ____
Static Water Level After (ft.): ____
Screen Length (ft.): ____
1 Well Volume: (.1632 X Feet H2O)
Casing ID (in.): 2-inch

Responsible Personnel: Gary Davis
Drilling Co.: ProSonic
Project Name: Saufley Site 4
Project Number: 112G00389

Time	Estimated Sediment Thickness (Ft.)	Cumulative Water Volume (Gal.)	Water Level Readings (Ft. below TOC)	Temperature (Degrees C)	pH	Specific Conductance (Units ____)	Turbidity (NTU)	Remarks (odor, color, etc.)
1630		125gal						clear the whole time.

Tetra Tech NUS, Inc.

MONITORING WELL DEVELOPMENT RECORD

Not Final cut

Well: OLSF4-MW-55
Site: Saufley Site 4
Date Installed: 11-30-06
Date Developed: 12-2-06
Dev. Method: Pump + Surge
Pump Type: Monsoon

Depth to Bottom (ft.): 55.1
Static Water Level Before (ft.): 43.6
Static Water Level After (ft.): _____
Screen Length (ft.): 15
1 Well Volume: (.1632 X Feet H2O)
Casing ID (in.): 2-inch

Responsible Personnel: Gary Davis
Drilling Co.: ProSonic
Project Name: Saufley Site 4
Project Number: 112G00389

Time	Estimated Sediment Thickness (Ft.)	Cumulative Water Volume (Gal.)	Water Level Readings (Ft. below TOC)	Temperature (Degrees C)	pH	Specific Conductance (Units mS/cm)	Turbidity (NTU)	Remarks (odor, color, etc.) DO Sal TDS ORP
1430		~15	50.21	25.14	7.23	0.113	528	3.48 0 .09 -92
1330		~20						

12706

Tetra Tech NUS, Inc.

MONITORING WELL DEVELOPMENT RECORD

Page ___ of ___

Well: OLSF4-MW-065
Site: Saufley Site 4
Date Installed: 11/30/06
Date Developed: 12/05/06
Dev. Method: ___
Pump Type: Submersible

Depth to Bottom (ft.): 55
Static Water Level Before (ft.): 45.63
Static Water Level After (ft.): 49.94
Screen Length (ft.): 40-55 (15)
1 Well Volume: 1.6 gals (.1632 X Feet H2O)
Casing ID (in.): 2-inch

Responsible Personnel: Gary Davis
Drilling Co.: ProSonic
Project Name: Saufley Site 4
Project Number: 112G00389

Time	Estimated Sediment Thickness (Ft.)	Cumulative Water Volume (Gal.)	Water Level Readings (Ft. below TOC)	Temperature (Degrees C)	pH	Specific Conductance (Units mS/m)	Turbidity (NTU)	Remarks (odor, color, etc.)
1425								start
1430		3						d.g/shut pump off
1441								resume pumping
1442								d.g/shut pump off
1457				23.9	6.39	13	80	resume pumping 2/3 gal/9min
1504				24.0	6.15	12	120	
1510		5						d.g shut pump off
1525								resume pumping 2/3 gal/9min
1530		6		23.6	6.20	12	15	stop pumping
1541								shut 4/9.94

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MONITORING WELL DEVELOPMENT RECORD

TOC Not Final Cut

Well: ____ OLSF4-MW- 07S
Site: ____ Saufley Site 4
Date Installed: 12-1-06
Date Developed: 12-2-06
Dev. Method: Pump & Surge
Pump Type: Monsoon Bail 12-3

Depth to Bottom (ft.): 55
Static Water Level Before (ft.): 47.5
Static Water Level After (ft.): ____
Screen Length (ft.): 15
1 Well Volume: (.1632 X Feet H2O)
Casing ID (in.): 2-inch

Responsible Personnel: Gary Davis
Drilling Co.: ProSonic
Project Name: Saufley Site 4
Project Number: 112G00389

Time	Estimated Sediment Thickness (Ft.)	Cumulative Water Volume (Gal.)	Water Level Readings (Ft. below TOC)	Temperature (Degrees C)	pH	Specific Conductance (Units mS/cm)	Turbidity (NTU)	Remarks (odor, color, etc.) DO SAL TDS ORP
1030		—	47.5					
1035		~5		22.85	6.99	0.205	999	7.57 0 0.13 -206
1105		~5.5	50.1	23.09	7.39	0.198	999	2.94 0 0.13 -196
1400		~15		23.11	7.32	0.164	842	8.56 0 0.11 -31
12-3-06 1250	.1	~17	52.46	23.80	7.17	0.155	933	7.94 0 0.10 -94

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MONITORING WELL DEVELOPMENT RECORD

Not Final Cut

Well: ____ OLSF4-MW- 85
Site: ____ Saufley Site 4
Date Installed: ____
Date Developed: 12-3-06
Dev. Method: Bail
Pump Type: ____

Depth to Bottom (ft.): ____
Static Water Level Before (ft.): 47
Static Water Level After (ft.): ____
Screen Length (ft.): 15
1 Well Volume: (.1632 X Feet H2O)
Casing ID (in.): 2-inch

Responsible Personnel: Gary Davis
Drilling Co.: ProSonic
Project Name: Saufley Site 4
Project Number: 112G00389

Time	Estimated Sediment Thickness (Ft.)	Cumulative Water Volume (Gal.)	Water Level Readings (Ft. below TOC)	Temperature (Degrees C)	pH	Specific Conductance (Units mS/cm)	Turbidity (NTU)	Remarks (odor, color, etc.) DO Sal TDS ORP
1400	1'	~5		25.11	7.42	0.228	990	8.12 0 0.15 -71

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MONITORING WELL DEVELOPMENT RECORD

Not Final Cut

Well: ____ OLSF4-MW-9S
Site: ____ Saufley Site 4
Date Installed: _____
Date Developed: 12-2-06
Dev. Method: _____
Pump Type: _____

Depth to Bottom (ft.): _____
Static Water Level Before (ft.): 48.41
Static Water Level After (ft.): _____
Screen Length (ft.): 15
1 Well Volume: (.1632 X Feet H2O)
Casing ID (in.): 2-inch

Responsible Personnel: Gary Davis
Drilling Co.: ProSonic
Project Name: Saufley Site 4
Project Number: 112G00389

Time	Estimated Sediment Thickness (Ft.)	Cumulative Water Volume (Gal.)	Water Level Readings (Ft. below TOC)	Temperature (Degrees C)	pH	Specific Conductance (Units mS/cm)	Turbidity (NTU)	Remarks (odor, color, etc.) DO Sal TDS ORP
1440	.1	~3	48.41	25.02	7.86	0.083	999	3.99 0 .05 -166
1520		~10		25.41	8.09	0.084	999	2.80 0 .05 -187
12-3-06 1125	.1	~11		22.81	7.67	0.102	999	3.11 0 .07 -159

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MONITORING WELL DEVELOPMENT RECORD

Well: ____ OLSF4-MW- 115
Site: ____ Saufley Site 4
Date Installed: _____
Date Developed: 12-10-06
Dev. Method: _____
Pump Type: Submersible

Depth to Bottom (ft.): 40
Static Water Level Before (ft.): 31.88
Static Water Level After (ft.): 32.10
Screen Length (ft.): 15
1 Well Volume: (.1632 X Feet H2O)
Casing ID (in.): 2-inch

Responsible Personnel: Gary Davis
Drilling Co.: ProSonic
Project Name: Saufley Site 4
Project Number: 112G00389

Time	Estimated Sediment Thickness (Ft.)	Cumulative Water Volume ~~(Gal.)~~ L	Water Level Readings (Ft. below TOC)	Temperature (Degrees C)	pH	Specific Conductance (Units ms/m)	Turbidity (NTU)	Remarks (odor, color, etc.)
0722				23.95	4.80	18	~~of~~ sed	start flow rate: 1L/min
0732		10	39+	24.69	6.90	21	~~of~~ sed	flow rate = 1.5L/min
0742		25	"	24.84	6.65	20	~~of~~ sed	flow rate = 750 mL/min
0752		32.5	"	24.69	6.49	20	430	flow rate = 1L/min
0802		42.5	"	24.85	6.41	19	620	flow rate = 1.5L/min
0812		57.5	"	24.82	6.27	18	140	flow rate = 1.0L/min
0822		67.5	"	24.86	6.23	18	150	"
0832		77.5	"	24.91	6.17	18	63	flow rate = 2.0L/min
0842		97.5	"	25.71	6.16	18	0	stop
0927			32.10					

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MONITORING WELL DEVELOPMENT RECORD

Well: ___ OLSF4-MW- 13S
Site: ___ Saufley Site 4
Date Installed: ___
Date Developed: 12-10-06
Dev. Method: ___
Pump Type: Submersible

Depth to Bottom (ft.): 45
Static Water Level Before (ft.): 33.93
Static Water Level After (ft.): ___
Screen Length (ft.): 20
1 Well Volume: (.1632 X Feet H2O)
Casing ID (in.): 2-inch

Responsible Personnel: Gary Davis
Drilling Co.: ProSonic
Project Name: Saufley Site 4
Project Number: 112G00389

Time	Estimated Sediment Thickness (Ft.)	Cumulative Water Volume (Gal) L	Water Level Readings (Ft. below TOC)	Temperature (Degrees C)	pH	Specific Conductance (Units mS/cm)	Turbidity (NTU)	Remarks (odor, color, etc.)
0940			pump @ 44'	25.25	6.72	28	off scale	start flow rate = 500 mL/min
0945		10	"	25.47	7.78	34	"	flow rate = 0.5 L/min
0950		12.5 11.0	"	25.63	7.57	31	"	flow rate = 0.350 L/min
1000		13.0	"	25.75	7.35	30	"	flow rate = 300 mL/min
1010		16.0	"	26.10	7.27	29	340	"
1020		18.0	"	26.74	7.19	27	5	flow rate = 250 mL/min
1030		20.5	"	27.01	7.13	25	off 340	"
1040		23.0	"	29.69	7.05	23	140	"
1050		25.5	"	24.35	7.06	24	98	"
1100		29.0	"	23.30	7.08	27	76	stop
1140			36.95					P

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MONITORING WELL DEVELOPMENT RECORD

Well: ____ OLSF4-MW-
Site: ____ Saufley Site 4
Date Installed: _____
Date Developed: 12-06-06
Dev. Method: Bail/Sub/Low Flow
Pump Type: Sub

Depth to Bottom (ft.): 55.8
Static Water Level Before (ft.): 37.08
Static Water Level After (ft.): _____
Screen Length (ft.): _____
1 Well Volume: (.1632 X Feet H2O)
Casing ID (in.): 2-inch

Responsible Personnel: Gary Davis
Drilling Co.: ProSonic
Project Name: Saufley Site 4
Project Number: 112G00389

Time	Estimated Sediment Thickness (Ft.)	Cumulative Water Volume (Gal.)	Water Level Readings (Ft. below TOC)	Temperature (Degrees C)	pH	Specific Conductance (Units ____)	Turbidity (NTU)	Remarks (odor, color, etc.)
1300		15 Bailers						Bailer to Remove
1400		15 Bailers						Sediment
1502				26.5	7.52	2.6	-5Er	
1520			53.9	26.6	9.31	51	-5Er	
1705	Pump failure.							

Tetra Tech NUS, Inc.

MONITORING WELL DEVELOPMENT RECORD

Page ___ of _____

Well: ____ OLSF4-MW-155
Site: ____ Saufley Site 4
Date Installed: _____
Date Developed: 12-10-96
Dev. Method: _____
Pump Type: Submersible

Depth to Bottom (ft.): 55
Static Water Level Before (ft.): 48.11
Static Water Level After (ft.): _____
Screen Length (ft.): 15
1 Well Volume: (.1632 X Feet H2O)
Casing ID (in.): 2-inch

Responsible Personnel: Gary Davis
Drilling Co.: ProSonic
Project Name: Saufley Site 4
Project Number: 112G00389

Time	Estimated Sediment Thickness (Ft.)	Cumulative Water Volume ~~(Gal.)~~ L	Water Level Readings (Ft. below TOC)	Temperature (Degrees C)	pH	Specific Conductance (Units ~~mS/cm~~)	Turbidity (NTU)	Remarks (odor, color, etc.)
1141			pump stopped	25.57	7.86	48	off scale	start flow rate = 0.5L/min
1151		5	"	25.36	8.06	56	"	flow rate = 0.5L/min
1201		10	"	25.16	7.99	52	"	flow rate = 0.4L/min
1211		14	"	25.09	8.01	53	"	flow rate = 0.4L/min
1221		16 ~~15~~	"	25.93	8.16	73	"	flow rate = 20mL/min
1228								pump stopped/well going dry
1249								pump from site/well bailed dry
1314		19						bailed 3L will attempt to restart pump
1315								restart unsuccessful
1354			53.47	24.96	7.91	419	off scale	take-out sample
1355								pump stopped will hand bail
								dropped hand bailer down CE
1424								lab retrieved tomorrow
								retrieved hand bailer will continue
1450								bailed less than 1 L/time interval
1600			53.08					
1211 0846	0840		48.31	26.73	6.40	23	off scale	restart pump flow rate 1L/min
	~~0856~~	25					"	well dry stopped flow
	0851						"	restabilized flow @ ~~[illegible]~~ .54 L/min
	0853			27.56	6.57	17	"	flow ~~stopped~~ slowed to 100mL/min

Tetra Tech NUS, Inc.

MONITORING WELL DEVELOPMENT RECORD

Page ___ of _____

Well: ____ OLSF4-MW-16S
Site: _____ Saufley Site 4
Date Installed: _____
Date Developed: 12-6-06
Dev. Method: Low flow/Sub/Bailer
Pump Type: Bailer/Sub

Depth to Bottom (ft.): 55.2
Static Water Level Before (ft.): 48.82
Static Water Level After (ft.): _____
Screen Length (ft.): 15
1 Well Volume: (.1632 X Feet H2O)
Casing ID (in.): __ 2-inch

Responsible Personnel: ___ Gary Davis
Drilling Co.: _____ ProSonic
Project Name: _____ Saufley Site 4
Project Number: _____ 112G00389

Time	Estimated Sediment Thickness (Ft.)	Cumulative Water Volume (Gal.)	Water Level Readings (Ft. below TOC)	Temperature (Degrees C)	pH	Specific Conductance (Units _____)	Turbidity (NTU)	Remarks (odor, color, etc.)
0945		16 Bail.						≈1 ft debris in well used
								Bailer to Clear
1004		after.						well Dry after 16 Bails
1015		6 1/4 Bails						Slow Recharge 5" in Bailer.
1115		4 1/4 Bails		~~23.8~~	~~6.32~~			" "
12:30		~~<26~~		23.8	6.32	14	400	Start w/Pump.
13:30				24.0	6.28	14	62	Slow Rate/Not Constant Surging
				23.8	6.21	12	59.	

Tetra Tech NUS, Inc.

MONITORING WELL DEVELOPMENT RECORD

Page ___ of ___

Well: ___ OLSF4-MW-19S
Site: ___ Saufley Site 4
Date Installed: ___
Date Developed: 12-6-06
Dev. Method: Sub/Bailer
Pump Type: Sub.

Depth to Bottom (ft.): 54
Static Water Level Before (ft.): 48.5
Static Water Level After (ft.): ___
Screen Length (ft.): 15ft
1 Well Volume: (.1632 X Feet H2O)
Casing ID (in.): 2-inch

Responsible Personnel: Gary Davis
Drilling Co.: ProSonic
Project Name: Saufley Site 4
Project Number: 112G00389

Time	Estimated Sediment Thickness (Ft.)	Cumulative Water Volume (Gal.)	Water Level Readings (Ft. below TOC)	Temperature (Degrees C)	pH	Specific Conductance (Units ~~m~~ µ/m)	Turbidity (NTU)	Remarks (odor, color, etc.)
800	—	—	—	—	—	—	—	WLI Has Clayey. t
0830	—	26 Bails	—	—	—	—	—	Drill Log Has 56ft Depth
								Used Bailer to clear debris.
0900				25.7	5.65	12	~5 Er	Start using Pump.
0915			54.4	25.9	5.95	10	~5 Er.	
0922			55.3	~~26.5~~	~~5.97~~	~~10~~	~~710~~	RAN Dry Letting Recharge.
0930				26.5	5.92	10	710	
0932			—	—	—	—	—	Ran Dry Letting Recharge.
1021				26.0	5.58	9	560	}
1031				26.1	5.57	9	470	} ~.35 L/m Very low flow
11:05				25.8	5.57	9	290	}
11:12				28.3	5.66	9	130	|
1120				27.3	5.47	9	44	|
1130				27.3	5.46	9	35	

Tetra Tech NUS, Inc.

MONITORING WELL DEVELOPMENT RECORD

Page ___ of _____

Well: OLSF4-MW-20S
Site: Saufley Site 4
Date Installed: _____
Date Developed: 12-20-00
Dev. Method: _____
Pump Type: Submersible

Depth to Bottom (ft.): 45
Static Water Level Before (ft.): 39.60
Static Water Level After (ft.): _____
Screen Length (ft.): 15
1 Well Volume: (.1632 X Feet H2O)
Casing ID (in.): 2-inch

Responsible Personnel: Gary Davis
Drilling Co.: ProSonic
Project Name: Saufley Site 4
Project Number: 112G00389

Time	Estimated Sediment Thickness (Ft.)	Cumulative Water Volume (Gal.)	Water Level Readings (Ft. below TOC)	Temperature (Degrees C)	pH	Specific Conductance (Units mS/cm)	Turbidity (NTU)	Remarks (odor, color, etc.)
1523			Pump placed	25.59	8.74	20	960	start flow rate = 3 L/min
1533		2	"	24.85	8.84	20	off scale	flow rate = 2 L/min
1537								pump stuck on bottom
1557		2.5						pump free - dry
1630								wait 30 min & retry
1633			42.70					restart pump
1641								restart flow
1709			Pump placed	24.40	7.97	20	off scale	restart flow rate = 100 mL/min
1719		3.5	"	25.84	7.70	19	off scale	flow rate = 100 mL/min
1729		4.5	"	26.53	7.43	18	740	"
1739		5.5	"	29.70	7.31	17	580	"
1743								stop

Tetra Tech NUS, Inc.

MONITORING WELL DEVELOPMENT RECORD

Page ___ of ___

Well: ___ OLSF4-MW-215
Site: ___ Saufley Site 4
Date Installed: ___
Date Developed: 12-11-06
Dev. Method: ___
Pump Type: Submers. ___

Depth to Bottom (ft.): 45
Static Water Level Before (ft.): 40.27
Static Water Level After (ft.): ___
Screen Length (ft.): 15
1 Well Volume: (.1632 X Feet H2O)
Casing ID (in.): 2-inch

Responsible Personnel: Gary Davis
Drilling Co.: ProSonic
Project Name: Saufley Site 4
Project Number: 112G00389

Time	Estimated Sediment Thickness (Ft.)	Cumulative Water Volume ~~(Gal.)~~	Water Level Readings (Ft. below TOC)	Temperature (Degrees C)	pH	Specific Conductance (Units ~~mS/cm~~)	Turbidity (NTU)	Remarks (odor, color, etc.)
1231				25.56	6.41	15	off scale	sta. flow rate = 1.5L/min
1234		3						flow stopped
1320		4	43.60	26.96	6.72	13	1.	restart - 1
~~1342~~ 1342		5	43.11	25.82	6.74	13	over	restart -
1500		6	44.85	26.41	6.83	12	off scale	restart

Tetra Tech NUS, Inc.

MONITORING WELL DEVELOPMENT RECORD

Well: ____ OLSF4-MW- 24S
Site: ____ Saufley Site 4
Date Installed: _____
Date Developed: 12-9-06
Dev. Method: bailer/submersible
Pump Type: submersible

Depth to Bottom (ft.): 55
Static Water Level Before (ft.): 49.15
Static Water Level After (ft.): 51.91
Screen Length (ft.): 15
1 Well Volume: (.1632 X Feet H2O)
Casing ID (in.): 2-inch

Responsible Personnel: Gary Davis
Drilling Co.: ProSonic
Project Name: Saufley Site 4
Project Number: 112G00389

Time	Estimated Sediment Thickness (Ft.)	Cumulative Water Volume (Gal.)	Water Level Readings (Ft. below TOC)	Temperature (Degrees C)	pH	Specific Conductance (Units ____)	Turbidity (NTU)	Remarks (odor, color, etc.)
0802			49.15					start hand bailing
0827		4	55.76					drop pump
~~0855~~			~~54.07~~					~~reset pump~~
0907			53.36					reset pump + tubing
0926			52.51	23.41	6.35	13	off scale	reset pump + tubing (correct)
0952			almost dry	21.17	6.38	10	off scale	slow trickle
1010				21.76	6.18	9	off scale	slow trickle
1022				23.04	6.25	9	580	stop pump
1108		6.5	52.65	25.75	6.04	9	620	start pump
1110								stop
1200			51.91					

Tetra Tech·NUS, Inc.

MONITORING WELL DEVELOPMENT RECORD

Well: ___ OLSF4-MW- 25S
Site: ___ Saufley Site 4
Date Installed: ___
Date Developed: 12-9-05
Dev. Method: ___
Pump Type: submersible

Depth to Bottom (ft.): 55
Static Water Level Before (ft.): 43.62
Static Water Level After (ft.): 49.01
Screen Length (ft.): 15
1 Well Volume: (.1632 X Feet H2O)
Casing ID (in.): 2-inch

Responsible Personnel: Gary Davis
Drilling Co.: ProSonic
Project Name: Saufley Site 4
Project Number: 112G00389

Time	Estimated Sediment Thickness (Ft.)	Cumulative Water Volume (Gal.)	Water Level Readings (Ft. below TOC)	Temperature (Degrees C)	pH	Specific Conductance (Units mS/cm)	Turbidity (NTU)	Remarks (odor, color, etc.)
1208								start
1215			probe stabilized	25.14	6.43	13	off scale	flow rate = 1.25 l/min
1226		4	"	27.36	6.35	12	off scale	500mL/min
1233		5	"	27.04	6.25	12	off scale	
1234		5.5	"	24.44	6.11	11	180	
1250		~~20~~ 7.0	"	27.87	6.00	12	850	
1300		8.25	"	27.64	5.98	12	28	stop
1340			49.01					

Tetra Tech NUS, Inc.

MONITORING WELL DEVELOPMENT RECORD

Page ___ of ___

Well: ___ OLSF4-MW- 27S
Site: ___ Saufley Site 4
Date Installed: ___
Date Developed: ___
Dev. Method: ___
Pump Type: ___

Depth to Bottom (ft.): ___
Static Water Level Before (ft.): 41.14
Static Water Level After (ft.): ___
Screen Length (ft.): ___
1 Well Volume: (.1632 X Feet H2O)
Casing ID (in.): 2-inch

Responsible Personnel: Gary Davis
Drilling Co.: ProSonic
Project Name: Saufley Site 4
Project Number: 112G00389

Time	Estimated Sediment Thickness (Ft.)	Cumulative Water Volume (Gal.)	Water Level Readings (Ft. below TOC)	Temperature (Degrees C)	pH	Specific Conductance (Units µS/cm)	Turbidity (NTU)	Remarks (odor, color, etc.)
1420					6.38	14	off scale	start
1422								pump out/control box restart/disconnect/ motor
1437								hand bail
1450								
1511		4						hand bail 4 gallons
1514								restart pump for 30 sec. 4 gal/
1534								restart pump 2 gal/min
1549								restart total w/ hand bail 2 min
1602		7						
1425		10						stop hand bailing for pump again
1725								restart pump 2 gal/min
1735		13		25.68	6.31	12	520	
1743		15		27.05	5.88	12	off scale	
1823		25		26.31	5.64	10	84	stop

Tetra Tech NUS, Inc.

MONITORING WELL DEVELOPMENT RECORD

Well: OLSF4-MW- 26D
Site: Saufley Site 4
Date Installed: 12-7-06
Date Developed: 12-15-06
Dev. Method: Monsoon
Pump Type: Pump & Surge

Depth to Bottom (ft.): _____
Static Water Level Before (ft.): _____
Static Water Level After (ft.): _____
Screen Length (ft.): _____
1 Well Volume: (.1632 X Feet H2O)
Casing ID (in.): 2-inch

Responsible Personnel: Gary Davis, Mark Storey
Drilling Co.: ProSonic
Project Name: Saufley Site 4
Project Number: 112G00389

Subtract ~50 µS/cm since calib. is high.

Time	Estimated Sediment Thickness (Ft.)	Cumulative Water Volume (Gal.)	Water Level Readings (Ft. below TOC)	Temperature (Degrees C)	pH	Specific Conductance (Units µS/cm)	Turbidity (NTU)	Remarks (odor, color, etc.) DO SAL TDS ORP
1025		125		23.95	6.74	0.219	139	1.83 0.0 0.14 -121
1055		~150		24.12	6.20	0.203	199	3.09 0. 0.13 -50
1100		~155		24.17	6.18	0.197	34.6	3.62 0 0.13 -54
								Cleared nicely after surging.
				Done				

Tetra Tech NUS, Inc.

MONITORING WELL DEVELOPMENT RECORD

Well: ____ OLSF4-MW- 28S
Site: ____ Saufley Site 4
Date Installed: _____
Date Developed: 12-15-06
Dev. Method: Pump & Surge
Pump Type: Waterra

Depth to Bottom (ft.): _____
Static Water Level Before (ft.): _____
Static Water Level After (ft.): _____
Screen Length (ft.): 15'
1 Well Volume: (.1632 X Feet H2O)
Casing ID (in.): 2-inch

Responsible Personnel: Gary Davis
Drilling Co.: ProSonic
Project Name: Saufley Site 4
Project Number: 112G00389

Time	Estimated Sediment Thickness (Ft.)	Cumulative Water Volume (Gal.)	Water Level Readings (Ft. below TOC)	Temperature (Degrees C)	pH	Specific Conductance (Units mS/cm)	Turbidity (NTU)	Remarks (odor, color, etc.) Do Sal TDS ORP
1030		~15		24.12	6.78	0.206	202	3.26 0.0 0.13 -87
1045		~20		23.82	6.74	0.205	192	4.11 0.0 0.13 -87
1100		~25		24.41	6.64	0.212	208	3.84 0 0.14 -96
1120		~30		24.65	6.80	0.215	184	3.43 0 0.14 -93
1140		~35		25.14	6.74	0.215	37.5	2.76 0 0.14 -97
						Done		

changed to Horiba

Tetra Tech NUS, Inc.

MONITORING WELL DEVELOPMENT RECORD

Well: ____ OLSF4-MW- 29D
Site: ____ Saufley Site 4
Date Installed: _____
Date Developed: 12-16-06
Dev. Method: _____
Pump Type: Waterra (Hand)

Depth to Bottom (ft.): _____
Static Water Level Before (ft.): _____
Static Water Level After (ft.): _____
Screen Length (ft.): _____
1 Well Volume: (.1632 X Feet H2O)
Casing ID (in.): 2-inch

Responsible Personnel: Gary Davis
Drilling Co.: ProSonic
Project Name: Saufley Site 4
Project Number: 112G00389

Time	Estimated Sediment Thickness (Ft.)	Cumulative Water Volume (Gal.)	Water Level Readings (Ft. below TOC)	Temperature (Degrees C)	pH	Specific Conductance (Units in S/cm)	Turbidity (NTU)	Remarks (odor, color, etc.) DO	Sal	TDS	ORP
Waterra											
1530				24.38	8.12	0.213	999	3.89	0	0.14	-155
1600		~18gal		22.98	7.93	0.148	999	4.63	0	0.10	-214
12-17-06 Monsoon 0915	~0	~50gal		23.09	6.19	0.102	0	4.00	0	0.07	-81
				Done							

Tetra Tech NUS, Inc.

MONITORING WELL DEVELOPMENT RECORD

Well: OLSF4-MW-305
Site: Saufley Site 4
Date Installed: _____
Date Developed: 12-17-06
Dev. Method: Pumping Surge
Pump Type: Waterra (Hand)

Depth to Bottom (ft.): 39.4
Static Water Level Before (ft.): ~~34.7~~ 31.7
Static Water Level After (ft.): _____
Screen Length (ft.): _____
1 Well Volume: (.1632 X Feet H2O)
Casing ID (in.): 2-inch

Responsible Personnel: Gary Davis
Drilling Co.: ProSonic
Project Name: Saufley Site 4
Project Number: 112G00389

Time	Estimated Sediment Thickness (Ft.)	Cumulative Water Volume (Gal.)	Water Level Readings (Ft. below TOC)	Temperature (Degrees C)	pH	Specific Conductance (Units ____)	Turbidity (NTU)	Remarks (odor, color, etc.) DO Sal TDS ORP
0950	~.5	~4	27.5	23.59	6.56	0.081	490	5.87 0 0.05 -102
1007	~0	~15	—	24.13	6.65	0.085	265	4.01 0 0.06 -116
~~1010~~								
1145	~0	~17	31.7	24.87	6.36	0.082	156	4.15 0 0.05 -62
1155	0	~19		24.72	6.36	0.090	999	3.4 0 0.06 -119
1200	~0	~20	flow slowed - stopped to recover starting to clear					
1210	0			25.00	6.50	0.092	43.7	5.01 0 0.06 -100
1212	—	~22	flow slowed	25.03	6.51	0.089	463	5.05 0 0.06 -94
				24.99	6.40	0.089	0	4.41 0 0.06 -90
			Done					

12-17-06 Forson-Mapson

Tetra Tech NUS, Inc.

MONITORING WELL DEVELOPMENT RECORD

Well: ____ OLSF4-MW- 31S
Site: ____ Saufley Site 4
Date Installed: _____
Date Developed: 12-16-06
Dev. Method: _____
Pump Type: Waterra (Hand)

Depth to Bottom (ft.): _____
Static Water Level Before (ft.): _____
Static Water Level After (ft.): _____
Screen Length (ft.): _____
1 Well Volume: (.1632 X Feet H2O)
Casing ID (in.): 2-inch

Responsible Personnel: Gary Davis
Drilling Co.: ProSonic
Project Name: Saufley Site 4
Project Number: 112G00389

Time	Estimated Sediment Thickness (Ft.)	Cumulative Water Volume (Gal.)	Water Level Readings (Ft. below TOC)	Temperature (Degrees C)	pH	Specific Conductance (Units µS/cm)	Turbidity (NTU)	Remarks (odor, color, etc.) DO Temp Cal TDS ORP
1530		~10						Bailed Dry tonight
0920				23.69	6.54	0.103	999	2.56 23.6° C 0.07 -110
0945		~18	went dry.					
1010		~20	went dry	24.96	6.15	0.108	999	3.84 0 0.07 -72
		~25	went dry recovered 5 ft.					
1500		~25		24.32	6.31	0.108	131	6.79 0 0.07 -52
			Will have to let sampling team continue.					

12-17-06 Water w/ Elec.

Tetra Tech NUS, Inc.

MONITORING WELL DEVELOPMENT RECORD

Well: ____ OLSF4-MW- 325
Site: ____ Saufley Site 4
Date Installed: _____
Date Developed: 12-16-06
Dev. Method: Pump & Surge
Pump Type: Waterra

Depth to Bottom (ft.): _____
Static Water Level Before (ft.): _____
Static Water Level After (ft.): _____
Screen Length (ft.): _____
1 Well Volume: (.1632 X Feet H2O)
Casing ID (in.): __ 2-inch

Responsible Personnel: __ Gary Davis
Drilling Co.: _____ ProSonic
Project Name: _____ Saufley Site 4
Project Number: _____ 112G00389

Time	Estimated Sediment Thickness (Ft.)	Cumulative Water Volume (Gal.)	Water Level Readings (Ft. below TOC)	Temperature (Degrees C)	pH	Specific Conductance (Units ____)	Turbidity (NTU)	Remarks (odor, color, etc.) DO Sal TDS ORP
1605		~5		22.62	7.42	0.078	828	3.76 0 0.05 -153
1630		~10						
12-17-06 0900	0	~20		21.53	6.16	0.093	HA	6.37 0 0.06 -67
				Done				

Tetra Tech NUS, Inc.

MONITORING WELL DEVELOPMENT RECORD

Well: OLSF4-MW-335
Site: Saufley Site 4
Date Installed: _____
Date Developed: 12-17-06
Dev. Method: _____
Pump Type: Waterra (Hand & Elec)

Depth to Bottom (ft.): _____
Static Water Level Before (ft.): _____
Static Water Level After (ft.): _____
Screen Length (ft.): _____
1 Well Volume: (.1632 X Feet H2O)
Casing ID (in.): 2-inch

Responsible Personnel: Gary Davis
Drilling Co.: ProSonic
Project Name: Saufley Site 4
Project Number: 112G00389

Time	Estimated Sediment Thickness (Ft.)	Cumulative Water Volume (Gal.)	Water Level Readings (Ft. below TOC)	Temperature (Degrees C)	pH	Specific Conductance (Units _____)	Turbidity (NTU)	Remarks (odor, color, etc.) DO sol TPS ORP
1215	0	~31		24.47	6.34	0.074	0	5.57 0 0.05 -14
			Done					

Tetra Tech NUS, Inc.

MONITORING WELL DEVELOPMENT RECORD

Well: ____ OLSF4-MW- 34S
Site: ____ Saufley Site 4
Date Installed: _____
Date Developed: 12-7-06
Dev. Method: Pumping Surge
Pump Type: Infinita (Electric)

Depth to Bottom (ft.): _____
Static Water Level Before (ft.): _____
Static Water Level After (ft.): _____
Screen Length (ft.): _____
1 Well Volume: (.1632 X Feet H2O)
Casing ID (in.): 2-inch

Responsible Personnel: Gary Davis
Drilling Co.: ProSonic
Project Name: Saufley Site 4
Project Number: 112G00389

Time	Estimated Sediment Thickness (Ft.)	Cumulative Water Volume (Gal.)	Water Level Readings (Ft. below TOC)	Temperature (Degrees C)	pH	Specific Conductance (Units _____)	Turbidity (NTU)	Remarks (odor, color, etc.) DO Sal TDS ORP
1110	~.5	~15		24.82	6.23	0.079	999	4.83 0 .05 -23
1115		~17		24.93	6.30	0.089	845	6.34 0 .06 -36
1125	~0~	~20		24.60	6.27	0.081	429	7.09 0 0.05 -20
1130	~0~	~22		25.28	6.22	0.085	59.6	6.31 0 0.05 -12
1135	0			25.54	6.16	0.083	~0~	6.16 0 0.05 -12
				Done				

Switch to Manson

Tetra Tech NUS, Inc.

MONITORING WELL DEVELOPMENT RECORD

Well: OLSF4-MW-355
Site: Saufley Site 4
Date Installed: _____
Date Developed: 12-17-06
Dev. Method: _____
Pump Type: _____

Depth to Bottom (ft.): _____
Static Water Level Before (ft.): _____
Static Water Level After (ft.): _____
Screen Length (ft.): _____
1 Well Volume: (.1632 X Feet H2O)
Casing ID (In.): 2-inch

Responsible Personnel: Gary Davis
Drilling Co.: ProSonic
Project Name: Saufley Site 4
Project Number: 112G00389

Time	Estimated Sediment Thickness (Ft.)	Cumulative Water Volume (Gal.)	Water Level Readings (Ft. below TOC)	Temperature (Degrees C)	pH	Specific Conductance (Units ____)	Turbidity (NTU)	Remarks (odor, color, etc.) DO Sal TDS ORP
	5' sand	Forest	Baited down to 39' & tried water lift					sand
	came	back in to 38' must be breach in bottom. will try pumping						
	to clear for sampling & check if more sand comes in.							Sand at 38'
1345	~2'	~15gal	pumped dry - includes what Forest baled.					Recovering
1410		~20gal		25.40	6.23	0.086	0	Cleared
1440		~25		25.43	6.26	0.083	198	7.36 0 0.06 8
1445		~26		25.63	6.28	0.084	0	7.53 0 0.05 -13
								sustains low flow & clears
			Done					

starting to sustain flow

Tetra Tech NUS, Inc.

MONITORING WELL DEVELOPMENT RECORD

Well: OLSF4-MW-365
Site: Saufley Site 4
Date Installed: _____
Date Developed: 12-15-06
Dev. Method: _____
Pump Type: Waterra

Depth to Bottom (ft.): _____
Static Water Level Before (ft.): _____
Static Water Level After (ft.): _____
Screen Length (ft.): _____
1 Well Volume: _____ (.1632 X Feet H2O)
Casing ID (in.): 2-inch

Responsible Personnel: Gary Davis
Drilling Co.: ProSonic
Project Name: Saufley Site 4
Project Number: 112G00389

Time	Estimated Sediment Thickness (Ft.)	Cumulative Water Volume (Gal.)	Water Level Readings (Ft. below TOC)	Temperature (Degrees C)	pH	Specific Conductance (Units)	Turbidity (NTU)	Remarks (odor, color, etc.) DO SAL TDS ORP
1200 start								
1305		~5gal		23.44	6.96	0.111	407	5.45 0 0.07 -35
slowed pump 1320		~10gal		24.39	6.62	0.111	341	4.35 0 0.07 -24
1340		~12gal		25.02	6.83	0.112	264	5.52 0 0.07 -38
sped up 1345		~14gal		24.61	6.76	0.110	216	5.55 0 0.07 -12
1410		~30gal		24.35	7.11	0.111	285	4.74 0 0.07 -30
- Not enough to pump then monsoon. Not enough water.								
								Should be sufficient for
1055		~32gal	~31.5	24.87	6.06	0.108	593	low flow sampling
1315		~40gal		23.96	6.04	0.103	306	4.99 0 0.07 47
1530		~50gal	~31.5	24.15	5.98	0.103	37.9	5.76 0 0.07 41
1535		~55gal		24.34	6.03	0.103	0	5.87 0 0.07 37
				- Done				

12-7-06 Monsoon Started raining

1.5

.1
.150
x3

Tetra Tech NUS, Inc.

MONITORING WELL DEVELOPMENT RECORD

Page ___ of ___

Well: ___ OLSF4-MW-41 | Depth to Bottom (ft.): ___ | Responsible Personnel: ___ Gary Davis
Site: ___ Saufley Site 4 | Static Water Level Before (ft.): ___ | Drilling Co.: ___ ProSonic
Date Installed: ___ | Static Water Level After (ft.): ___ | Project Name: ___ Saufley Site 4
Date Developed: ___ | Screen Length (ft.): ___ | Project Number: ___ 112G00389
Dev. Method: ___ | 1 Well Volume: (.1632 X Feet H2O)
Pump Type: Submersible Monsoon flow rate | Casing ID (in.): 2-inch

Time	~~Estimated Sediment Thickness (Ft.)~~	Cumulative Water Volume ~~(Gal.)~~ L	Water Level Readings (Ft. below TOC)	Temperature (Degrees C)	pH	Specific Conductance (Units ~~mS/cm~~)	Turbidity (NTU)	Remarks ~~(odor, color, etc.)~~ Dissolved Oxygen (mg/L)	ORP
0919	0.150L/min	0		~~27.69~~					
0937	"	1.2 L		27.69	6.25	0.141	450	1.16	11.9
0947	"	4.2 L		27.80	6.17	0.119	250	1.03	-1.2
1017	"	8.7 L		27.52	5.94	0.088	130	0.68	-54.3
1047	"	13.2 L		27.31	5.75	0.071	95	0.61	-67.9
1117	"	17.7 L		27.75	5.70	0.059	55	0.79	-5.0
1147	"	22.2 L		27.64	5.70	0.057	55	0.59	-38.7

APPENDIX E

GROUNDWATER SAMPLING DATA SHEETS AND CALIBRATION LOGS

Tetra Tech NUS, Inc.

GROUNDWATER SAMPLE LOG SHEET

Project Site Name: Swfley CTO 29
Project No.: 112G60389

Sample ID No.: OLSF4-MW-01D2-001
Sample Location: OLSF4-MW-01D2
Sampled By: J.D.Spalding
C.O.C. No.:

[ ] Domestic Well Data
[X] Monitoring Well Data
[ ] Other Well Type:
[ ] QA Sample Type:

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

SAMPLING DATA:

Date: / Time: 1040	Color Visual	pH Standard	S.C. mS/cm	Temp. °C	Turbidity NTU	DO mg/l	TBD	TBD
Method:	Clear	5.52	0.045	25.61	8.6	4.93		

PURGE DATA:

Date: 1-6-07	Volume	pH	S.C.	Temp. (C)	Turbidity	DO	TBD	TBD
Method: Sub/Low Flow	2 L/m	5.90	.070	23.89	680	5.87	0930	50.12 ft
Monitor Reading (ppm):		**See Low Flow Purge Data Sheet**						
Well Casing Diameter & Material	2 L/m	5.63	.052	24.85	-5 Err	5.72	0940	50.12 ft
Type: 2"/PVC	500 mL/m	5.51	.047	26.07	42.6	4.58	0950	48.97 ft
Total Well Depth (TD): 129.81	500 mL/m	5.56	.046	25.19	16.1	4.86		
Static Water Level (WL): 48.61	500 mL/m	5.52	.045	25.61	8.6	4.93		
One Casing Volume(gal/L):								
Start Purge (hrs): 0930								
End Purge (hrs):								
Total Purge Time (min):								
Total Vol. Purged (gal/L):								

SAMPLE COLLECTION INFORMATION:

Analysis	Preservative	Container Requirements	Collected

OBSERVATIONS / NOTES:

See Field Analytical Log Sheets for Geochemical Parameters (i.e. natural attenuation).

Circle if Applicable:

Signature(s):

Tetra Tech NUS, Inc.

GROUNDWATER SAMPLE LOG SHEET

Project Site Name: Saufley Site 4
Project No.: 112G00389

[] Domestic Well Data
[✓] Monitoring Well Data
[] Other Well Type:
[] QA Sample Type:

Sample ID No.: 04FS4-MW02D-001
Sample Location: MW02D
Sampled By: C. Sa
C.O.C. No.:
Type of Sample:
[] Low Concentration
[] High Concentration

SAMPLING DATA:

	Color (Visual)	pH (S.U.)	S.C. (mS/cm)	Temp. (°C)	Turbidity (NTU)	DO (mg/l)	Salinity (%)	Other
Date: 1-6-06								
Time: 1115								
Method: Low flow								

PURGE DATA:

Date: 1-6-06	Gal. Volume	pH	S.C.	Temp.	Turbidity	DO	~~Salinity~~	~~Other~~
Method: Low flow	2.5	5.57	.039	25.51	49.2	2.37	0933	51.0
Monitor Reading (ppm): 0.0	4.5	6.29	.085	25.4Y	163	0.86	0943	49.77
Well Casing Diameter & Material	6.5	6.05	.069	26.08	99.5	1.53	0953	49.75
Type: 2.0" PVC	10.5	5.6	.036	25.8	32.1	2.6	1013	49.31
Total Well Depth (TD): 80	14.5	5.66	.027	25.19	12.0	3.13	1033	48.91
Static Water Level (WL): 47.81	18.5	5.57	.027	25.26	11.8	2.79	1053	48.90
One Casing Volume(gal/L): 20.64	19.5	5.61	.027	25.33	9.3	2.06	1058	48.89
Start Purge (hrs): 0924	20.5	5.64	.026	25.39	8.7	1.12	1103	48.89
End Purge (hrs): 1108	21.5	5.65	.027	25.42	8.1	0.98	1108	48.90
Total Purge Time (min): 100								
Total Vol. Purged (gal/L): 21.5								

SAMPLE COLLECTION INFORMATION:

Analysis	Preservative	Container Requirements	Collected
8270 PAH	4°C	2X1L Amber	Yes
8270 SVOC	4°C	2X1L Amber	
8082 PCB	4°C	1X1L Amber	
FL-PRO	4°C	2X1L Amber	
6010/7470 TAL metals	HNO3	1X250mL plastic	
9012 Cyanide	NaOH	1X250mL plastic	
8011 EDB	HCl	3X40mL glass	
8260B VOC	HCl	3X40mL glass	

OBSERVATIONS / NOTES:

purge rate = 500mL/min
@0933 purge rate = 200mL/min

33
.16
1.98
3.22
5.28 20.64
3.8
42.24

Circle if Applicable:

MS/MSD | Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

GROUNDWATER SAMPLE LOG SHEET

Page ___ of ___

Project Site Name: Saufley Site 4
Project No.: 112G00389

Sample ID No.: DLF54-MW040-001
Sample Location: MW040
Sampled By: C.Dan
C.O.C. No.:
Type of Sample:
[] Low Concentration
[] High Concentration

[] Domestic Well Data
[] Monitoring Well Data
[] Other Well Type:
[] QA Sample Type:

SAMPLING DATA:

Date: 1-4-06 / Time: 0945	Color (Visual)	pH (S.U.)	S.C. (mS/cm)	Temp. (°C)	Turbidity (NTU)	DO (mg/l)	Salinity (%)	Other
Method: low flow	clear	5.03	.011	26.33	2.2	7.75		

PURGE DATA:

Date: 1-4-06	~~Color~~ Volume	pH	S.C.	Temp.	Turbidity	DO	~~Salinity~~	~~Other~~ SWL
Method: low flow	3.0L	5.13	.025	24.70	17	7.71	618	49.39
Monitor Reading (ppm): 0.0	6.0L	5.14	0.020	29.71	10	7.56	1023	49.41
Well Casing Diameter & Material Type: 2.0" PVC	9.0	5.09	.015	25.29	2.4	7.70	1024	49.41
Total Well Depth (TD): FL	12.0L	5.06	.012	26.21	3.1	7.73	1033	49.40
Static Water Level (WL): 9829	15.0L	5.03	.011	24.33	2.2	7.75	1038	49.40
One Casing Volume(gal/L):								
Start Purge (hrs): 1013								
End Purge (hrs): 1039								
Total Purge Time (min): 25								
Total Vol. Purged (gal/L): 15.0L								

SAMPLE COLLECTION INFORMATION:

Analysis	Preservative	Container Requirements	Collected
8270 TAH	4°C	2 x 1L Amber	Y
8270 SVOC	4°C	2 x 1L Amber	Y
8082 PCB	4°C	1 x 1L Amber	Y
FL-PRO	4°C	2 x 1L Amber	Y
6010/7470 TAL metals	HNO3	1 x 250mL plastic	Y
9012 Cyanide	NaOH	1 x 250 mL plastic	Y
8011 EDB	HCl	3 x 40 mL glass vial	Y
8260 VOCs	HCl	3 x 40 mL glass vial	Y

OBSERVATIONS / NOTES:

Purge rate = 600mL/min trip blank 6-4312
pump raises water temp
DO?

Circle If Applicable: (Matrix) Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

GROUNDWATER SAMPLE LOG SHEET

Project Site Name: Sanford Site 4 RI
Project No.: 112G00389

Sample ID No.: OLF54-MW055-001
Sample Location: MW055
Sampled By: C. Dow
C.O.C. No.: 2814

[] Domestic Well Data
[] Monitoring Well Data
[] Other Well Type:
[] QA Sample Type:

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

SAMPLING DATA:

Date: 12-7-06 / Time:	Color Visual	pH Standard	S.C. mS/cm	Temp. °C	Turbidity NTU	DO mg/l	TBD	TBD
Method: Submersible pump								

PURGE DATA:

Date: 12-7-06	~~Sum.~~ Volume	pH	S.C.	Temp. (C)	Turbidity	DO	~~TBD~~	~~TBD~~ Sulfide
Method: Submersible pump	3.5L	6.45	24	25.2	170	0.70	1620	Probe Malfunction +49
Monitor Reading (ppm): 0.0		**See Low Flow Purge Data Sheet**						
Well Casing Diameter & Material	7.0L	6.58	21	25.4	140	0.51	1630	"
Type: 2.0" PVC	10.5L	6.63	20	25.7	98	0.38	1640	"
Total Well Depth (TD): 55	14.0L	6.62	20	25.9	49	0.38	1650	"
Static Water Level (WL): 17.33	17.5	6.50	20	26.3	17	0.45	1700	"
One Casing Volume(gal): 4.66	19.25	6.51	20	26.2	13	0.43	1705	"
Start Purge (hrs): 1610	21.0L	6.51	20	26.1	8	0.42	1710	"
End Purge (hrs): 1715	22.75L	6.52	20	26.2	7	0.43	1715	"
Total Purge Time (min): 55								
Total Vol. Purged (gal): 22.75								

SAMPLE COLLECTION INFORMATION:

Analysis	Preservative	Container Requirements	Collected
8270 Low Con.	4°C	2 x 1L Amber	Y
8270 SVOC	4°C	2 x 1L Amber	Y
8082 PCB	4°C	1 x 1L Amber	Y
FL-PRO	4°C	2 x 1L Amber	Y
6010/7470 TAL metals	HNO_3	1 x 250 mL Plastic	Y
9012 Cyanide	NaOH	1 x 250 mL Plastic	Y
8011 EDB	HCl	3 x 40 mL vial	Y
8260B VOCs	HCl	3 x 40 mL vial	Y

OBSERVATIONS / NOTES:

See Field Analytical Log Sheets for Geochemical Parameters (i.e. natural attenuation).
purge rate = 350 mL/min

Circle if Applicable:

Signature(s):

Tetra Tech NUS, Inc.

GROUNDWATER SAMPLE LOG SHEET

Project Site Name: Sarfley Site 4 RI
Project No.: 112G03389

Sample ID No.: OLF54-MW065-001
Sample Location: MW-065
Sampled By: C. Dolan
C.O.C. No.: 2813

[] Domestic Well Data
[x] Monitoring Well Data
[] Other Well Type:
[] QA Sample Type:

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

SAMPLING DATA:

Date: 12/6/06 Time:	Color Visual	pH Standard	S.C. mS/cm	Temp. °C	Turbidity NTU	DO mg/l	TBD	TBD
Method: submersible	clear	5.99	13	26.4	15	0.97		

PURGE DATA:

Date: 12/6/06	Volume	pH	S.C.	Temp. (C)	Turbidity	DO	~~TBD~~	~~TBD~~
Method: submersible	2.0	5.87	14	22.1	250	1.85	1158	46.85
Monitor Reading (ppm): 0.0		**See Low Flow Purge Data Sheet**						
Well Casing Diameter & Material	6.0	5.82	13	25.1	130	1.37	1208	47.26
Type: 2.0" PVC	10.0	5.95	13	25.4	83	1.15	1218	47.59
Total Well Depth (TD): 55	14.0	5.96	13	26.0	46	0.99	1228	47.99
Static Water Level (WL): 44.88	18.0	6.13	14	25.6	21	0.85	1238	48.95
One Casing Volume(gal) 6.15	20.0	6.18	14	24.6	36	5.61	1243	48.25
Start Purge (hrs): 1153	22.0	6.16	14	25.3	25	2.01	1248	48.50
End Purge (hrs): 1253	24.0	5.99	13	26.4	15	0.97	1253	48.95
Total Purge Time (min): 60								
Total Vol. Purged (gal): 24.0								

SAMPLE COLLECTION INFORMATION:

Analysis	Preservative	Container Requirements	Collected
8270 Low Conc	4°C	2 x 1L	Y
SVOC 8270	4°C	2 x 1L	Y
PCB 8082	4°C	1 x 1L	Y
FL-PRO	4°C	2 x 1L	Y
TAL metals 6010/7470	HNO_3	1 x 250mL Plastic	Y
Cyanide 9012	NaOH	1 x 250mL Plastic	Y
VOA 8011	HCl	3 x 40mL vial	Y

OBSERVATIONS / NOTES:

See Field Analytical Log Sheets for Geochemical Parameters (i.e. natural attenuation).

flow rate = 400mL/min
Lowest possible

Circle if Applicable:

Signature(s): C. Dolan

Tetra Tech NUS, Inc.

GROUNDWATER SAMPLE LOG SHEET

Project Site Name:	Saufley site 4 RI	Sample ID No.:	OLF54-MW075-001
Project No.:	112G00389	Sample Location:	MW075
		Sampled By:	C.O.
[ ] Domestic Well Data		C.O.C. No.:	
[X] Monitoring Well Data		Type of Sample:	
[ ] Other Well Type:		[ ] Low Concentration	
[ ] QA Sample Type:		[ ] High Concentration	

SAMPLING DATA:

Date: 12-8-06	Color	pH	S.C.	Temp.	Turbidity	DO	TBD	TBD
Time: 1600	Visual	Standard	mS/cm	°C	NTU	mg/l		
Method: submersible								

PURGE DATA:

Date: 12-8-06	Volume	pH	S.C.	Temp. (C)	Turbidity	DO	~~TBD~~	~~TBD~~
Method: submersible	4.0	6.54	29	23.4	140	0.88	1042	[illegible] - 50+
Monitor Reading (ppm): 0.0	See Low Flow Purge Data Sheet							
Well Casing Diameter & Material	~~8.5~~	6.78	29	15.8	160	0.91	1052	"
Type: 2.0" PVC	~~10.0~~	6.82	30	22.2	off scale	1.01	1112	" dropped tubing
Total Well Depth (TD): 55	11.0	6.74	30.9	21.8	560	0.70	1132	"
Static Water Level (WL): 47.07	15.0	6.74	30	21.6	210	0.52	1152	"
One Casing Volume(gal/L): 4.02	19.0	6.74	32	19.2	140	0.40	1212	"
Start Purge (hrs): 1032	23.0	6.61	33	26.5	320	1.27	1232	"
End Purge (hrs): 1528	27.6	well dry					1240	
Total Purge Time (min): 59	29.6	6.29	26	23.8	12	0.21	1519	"
Total Vol. Purged (gal/L): 30.5	30.0	6.31	26	23.7	9	0.23	1523	"
SAMPLE COLLECTION INFORMATION:	30.5	6.32	28	23.8	9	0.22	1528	"

Analysis	Preservative	Container Requirements	Collected
8270 Low Conc.	4°C	2x1L Amber	✓
8270 SVOC	4°C	2x1L Amber	✓
8082 PCB	4°C	1x1L Amber	✓
FL-PRO	4°C	2x1L Amber	✓
6010/7470 TAL metals	HNO3	1x250 mL Plastic	✓
9012 Cyanide	NaOH	1x250 mL Plastic	✓
8011 EDB	HCl	3x40 mL vial	✓
8260B VOCs	HCl	3x40 mL vial	✓

OBSERVATIONS / NOTES:

See Field Analytical Log Sheets for Geochemical Parameters (i.e. natural attenuation).

purge rate = 400 mL/min first 5 then 300 mL/min to 1112, then 200 mL/min, restart @ 1429 @ 100 mL/min

@ 1112 lowered tubing to 2-1 foot off bottom

turned off pump @ 1230 to move to dump truck. well went dry during sampling

Circle if Applicable:

Signature(s): [signature]

4124297

Tetra Tech NUS, Inc.

GROUNDWATER SAMPLE LOG SHEET

Project Site Name: Sanfly Site 4 RI
Project No.: 112G00389

Sample ID No.: OLF34-MW085-001
Sample Location: MW085
Sampled By: C. Dahl
C.O.C. No.: 28147

[] Domestic Well Data
[] Monitoring Well Data
[] Other Well Type:
[] QA Sample Type:

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

SAMPLING DATA:

Date: 12-7-06	Color	pH	S.C.	Temp.	Turbidity	DO	TBD	TBD
Time: 1200	Visual	Standard	mS/cm	°C	NTU	mg/l		
Method: submersible	clear	6.28	17	24.1	0	2.18		

PURGE DATA:

Date: 12-7-06	Volume	pH	S.C.	Temp. (C)	Turbidity	DO	~~TBD~~	~~TBD~~	
Method: submersible	9.0L	6.27	18	23.4	8	2.14	1045	51.51	
Monitor Reading (ppm): 0.0		See Low Flow Purge Data Sheet							
Well Casing Diameter & Material	3.905	6.34	18	24.7	54	3.34	~~1048~~ 1050	50.74	stop pump, restart pump
Type: 2.0" PVC							1123		
Total Well Depth (TD): 55	12.0	6.28	18	23.4	19	2.8	1124	150.70	
Static Water Level (WL): 49.53	13.5	6.26	18	24.0	11	2.24	1133	50.93	
One Casing Volume(gal/L): 3.93	15.0	6.28	17	24.1	0	2.18	1138	51.21	
Start Purge (hrs): 1015									
End Purge (hrs):									
Total Purge-Time (min):									
Total Vol. Purged (gal/L):									

SAMPLE COLLECTION INFORMATION:

Analysis	Preservative	Container Requirements	Collected
8270 Low Conc	4°C	2 x 1L amber	Y
8270 SVOC	4°C	2 x 1L amber	Y
8082 PCB	4°C	1 x 1L amber	Y
FL-PRO	4°C	2 x 1L amber	Y
6010/7470 TAL metals	HNO3	1 x 250 mL Plastic	Y
9012 Cyanide	NaOH	1 x 250mL Plastic	Y
8011 ~~EDB~~ DBCP/EDB	HCl	3 x 40mL vial	Y
8260B VOCs	HCl	3 x 40mL vial	Y

OBSERVATIONS / NOTES:

See Field Analytical Log Sheets for Geochemical Parameters (i.e. natural attenuation).

purge rate = 300 mL/min

well went dry @ 1050

Circle if Applicable: Duplicate

Signature(s):

Tetra Tech NUS, Inc.

GROUNDWATER SAMPLE LOG SHEET

Project Site Name: SauSley CTO 29
Project No.: 112600389

[] Domestic Well Data
[X] Monitoring Well Data
[] Other Well Type:
[] QA Sample Type:

Sample ID No.: OLSF4-MW-095-001
Sample Location: OLSF4-MW-095
Sampled By: J.D. Spalding
C.O.C. No.:
Type of Sample:
[X] Low Concentration
[] High Concentration

SAMPLING DATA:

Date: 1-6-07 / Time: 1430	Color Visual	pH Standard	S.C. mS/cm	Temp. °C	Turbidity NTU	DO mg/l	TBD	TBD
Method: Sub/Low flow	Clear	6.66	0.100	31.76	8.7	0.88		

PURGE DATA:

Date: 1-6-07	Volume	pH	S.C.	Temp. (C)	Turbidity	DO	TBD	TBD
Method: Sub/Low flow	100 ml/m	6.62	093	925.45	89.3	12.63	1345	
Monitor Reading (ppm):		**See Low Flow Purge Data Sheet**						
Well Casing Diameter & Material		6.55	0.078	28.27	62.0	1.70	1400	
Type: 2"/PVC	100 ml/m	6.68	0.103	30.90	10.8	0.99	1415	
Total Well Depth (TD): 5189	100 ml/m	6.66	0.100	31.76	8.7	0.88	1430	
Static Water Level (WL): 7.89								
One Casing Volume(gal/L):								
Start Purge (hrs): 1345								
End Purge (hrs):								
Total Purge Time (min):								
Total Vol. Purged (gal/L):								

SAMPLE COLLECTION INFORMATION:

Analysis	Preservative	Container Requirements	Collected
Low Conc. PAH 8270	Cool 4°C	2 x 1L Amber glass	
SVOC 8270	Cool 4°C	2 x 1L Amber glass	
PCB 8082	Cool 4°C	1 x 1L Amber glass	
FL PRO	Cool 4°C	2 x 1L Amber glass	
TAL Metals 6010/7470 or As Cd	———	———	
Cr Pb Only by 6010	HNO_3 Cool 4°C	250mL plastic.	
Cyanide 9012	NaOH Cool 4°C	250mL plastic.	
VOA 8011 for EDB - Sub to PEL.	HCl Cool 4°C	3 x 40mL Clear glass	
VOC 8260	HCl Cool 4°C	3 x 40mL Clear glass.	

OBSERVATIONS / NOTES:

See Field Analytical Log Sheets for Geochemical Parameters (i.e. natural attenuation).

Circle if Applicable:

Signature(s):

Tetra Tech NUS, Inc.

GROUNDWATER SAMPLE LOG SHEET

Project Site Name: Sawfley
Project No.: 112600389

[] Domestic Well Data
[X] Monitoring Well Data
[] Other Well Type:
[] QA Sample Type:

Sample ID No.: OLSF4-MW10D-001
Sample Location: OLSF4-MW10D
Sampled By: S.D. Spalding
C.O.C. No.:
Type of Sample:
[X] Low Concentration
[] High Concentration

SAMPLING DATA:

Date: 12-20-06 / Time: 0915	Color Visual	pH Standard	S.C. mS/cm	Temp. °C	Turbidity NTU	DO mg/l	TBD	TBD
Method: Sub / Low Flow	Clear	5.12	.098	25.71	9.2	2.87	-	

PURGE DATA:

Date: 12-20-06	Volume	pH	S.C.	Temp. (C)	Turbidity	DO	TBD	TBD
Method: Low flow Sub	250mL/m	5.26	.099	22.78	529.0	3.89	0835	
Monitor Reading (ppm):	—	See Low Flow Purge Data Sheet					~~0850~~	
Well Casing Diameter & Material	250mL/m	5.13	.135	25.45	25.9	3.11	0850	44.55 BLS
Type: 2" / PVC	250mL/m	5.14	.099	25.68	13.6	2.84	0910	44.51 BLS
Total Well Depth (TD): 84.97	250mL/m	5.12	.098	25.71	9.2	2.87	0915	44.52 BLS
Static Water Level (WL): 44.3								
One Casing Volume(gal/L):								
Start Purge (hrs):								
End Purge (hrs):								
Total Purge Time (min):								
Total Vol. Purged (gal/L):								

SAMPLE COLLECTION INFORMATION:

Analysis	Preservative	Container Requirements	Collected
Low Conc. PAH 8270	Cool 4°C	2 x 1L Amber Glass	
SVOC 8270	Cool 4°C	2 x 1L Amber Glass	
PCB 8082	Cool 4°C	1 x 1L Amber Glass	
FL PRO	Cool 4°C	1 x 1 Amber Glass	
TAL Metals 6010/7470	HNO_3	1 x 250 mL Plastic	
As Cd Cr Pb only by 6010	Cool 4°C	—	
Cyanide 9012	NaOH Cool 4°C	1 x 250 mL Plastic	
VOA 8011 Sor EDB - Subtopol	HCL Cool 4°C	3 x 40 mL Clear Glass	
VOC 8260	HCL cool 4°C	3 x 40 mL Clear Glass	

OBSERVATIONS / NOTES:

See Field Analytical Log Sheets for Geochemical Parameters (i.e. natural attenuation).

Circle if Applicable:

Signature(s):

Tetra Tech NUS, Inc.

GROUNDWATER SAMPLE LOG SHEET

Page___ of ___

Project Site Name: Saufley Site 4
Project No.: 112G00389

Sample ID No.: 06FSY-MW11S-001
Sample Location: 06FSY-MW11S
Sampled By: C. Dale
C.O.C. No.: 40994

[] Domestic Well Data
[X] Monitoring Well Data
[] Other Well Type:
[] QA Sample Type:

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

SAMPLING DATA:

Date: 12-12-06 / Time: 0955 / Method:	Color (Visual)	pH (S.U.)	S.C. (mS/cm)	Temp. (°C)	Turbidity (NTU)	DO (mg/l)	Salinity (%)	Other

PURGE DATA:

Date: 12-12-06	Volume (gal/L)	pH	S.C.	Temp.	Turbidity	DO	Salinity	Other
Method:	1.25	5.90	21	23.74	87	3.80	0810	32.76
Monitor Reading (ppm):	2.50	6.31	22	25.83	39	2.65	0820	32.76
Well Casing Diameter & Material	3.75	6.32	21	25.95	18	2.59	0830	32.97
Type: 2.0" PVC		6.25	21	26.05	14	2.59	0835	32.77
Total Well Depth (TD): 40.0		6.27	21	26.07	5	2.59	0840	32.77
Static Water Level (WL): 32.07								
One Casing Volume(gal/L):								
Start Purge (hrs): 0805								
End Purge (hrs): 0840								
Total Purge Time (min):								
Total Vol. Purged (gal/L):								

SAMPLE COLLECTION INFORMATION:

Analysis	Preservative	Container Requirements	Collected
8270 Low Conc	4°C	2 x 1L Amber	
8270 SVOC	4°C	2 x 1L Amber	
8082 PCB	4°C	1 x 1L Amber	
FL PRO	4°C	2 x 1L Amber	
6010/7470 TAL metals	HNO3	1 x 250mL plastic	
9012 Cyanide	NaOH	1 x 250mL plastic	
8011 EDB	HCl	3 x 40mL glass vial	
8260B VOC	HCl	3 x 40mL glass vial	

OBSERVATIONS / NOTES:

flow rate = 250mL/min

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

GROUNDWATER SAMPLE LOG SHEET

Project Site Name: Sanfley
Project No.: 112600389

[] Domestic Well Data
[X] Monitoring Well Data
[] Other Well Type:
[] QA Sample Type:

Sample ID No.: OLSF4-MW11S-001
Sample Location: OLSF4-MW11S
Sampled By: J.D. Spalding
C.O.C. No.:
Type of Sample:
[X] Low Concentration
[] High Concentration

SAMPLING DATA:

Date: 12-20-06 / Time: 1115	Color Visual	pH Standard	S.C. mS/cm	Temp. °C	Turbidity NTU	DO mg/l	TBD	TBD
Method: Sub/Low Flow	Clear	6.61	.139	27.09	2.90	4.82	+	34.93

PURGE DATA:

Date: 12-20-06	Volume	pH	S.C.	Temp. (C)	Turbidity	DO	TBD	TBD
Method: Sub/Low Flow	200ml/m	6.49	.371	23.71	124.0	3.10	10:25	32.49 BLS
Monitor Reading (ppm):		See Low Flow Purge Data Sheet						
Well Casing Diameter & Material	250ml/m	7.11	.360	29.60	56.4	1.84	10:45	32.78 BLS
Type: 2" / PVC	400ml/m	6.82	.208	26.33	53.8	2.90	11:00	34.90
Total Well Depth (TD): 40	400ml/m	6.66	.139	27.13	4.70	4.78	11:10	34.92
Static Water Level (WL): 32.2	400ml/m	6.61	.139	27.09	2.90	4.82	11:15	34.92
One Casing Volume(gal/L):								
Start Purge (hrs):								
End Purge (hrs):								
Total Purge Time (min):								
Total Vol. Purged (gal/L):								

SAMPLE COLLECTION INFORMATION:

Analysis	Preservative	Container Requirements	Collected
Low Conc PAH 8270	Cool 4°C	2X1L Amber Glass	
SVOC 8270	Cool 4°C	2X1L Amber Glass	
PCB 8082	Cool 4°C	1X1L Amber Glass	
FL Pro	Cool 4°C	1X1L Amber Glass	
TAL Metals 6010/7470	Cool 4°C	1X250mL Clear Plastic	
As Cd Cr Pb Only by 6010	~~NaOH~~ HNO_3	~~~~	
Cyanide 9012	NaOH	1X250mL Plastic	
HOA 8011 for EDB Sub to Pel	HCL	3X40mL Clear Glass	
VOC 8260	HCl	3X40mL Clear Glass	

OBSERVATIONS / NOTES:

See Field Analytical Log Sheets for Geochemical Parameters (i.e. natural attenuation).

Circle if Applicable:

Signature(s):

Tetra Tech NUS, Inc.

GROUNDWATER SAMPLE LOG SHEET

Project Site Name: Sanford
Project No.: 112600389

[ ] Domestic Well Data
[X] Monitoring Well Data
[ ] Other Well Type:
[ ] QA Sample Type:

Sample ID No.: OLSF4-MW12S-01
Sample Location: OLSF4-MW12S
Sampled By: S.D.Spalding
C.O.C. No.:
Type of Sample:
[X] Low Concentration
[ ] High Concentration

SAMPLING DATA:

Date: 12-19-06 / Time: 1650	Color Visual	pH Standard	S.C. mS/cm	Temp. °C	Turbidity NTU	DO mg/l	TBD	TBD
Method: Sub/Low Flow	Clear	10.92	.168	51.3	8.07	.51		

PURGE DATA:

Date: 12-19-06	Volume	pH	S.C.	Temp. (C)	Turbidity	DO	TBD	TBD
Method: Sub/Low Flow	.54/m	10.19	.166	30.4	154.0	2.36	1605	
Monitor Reading (ppm):		**See Low Flow Purge Data Sheet**						
Well Casing Diameter & Material	.254/m	10.83	.172	28.0	159.0	.65	1615	
Type: 2" / PVC	.254/m	10.93	.171	27.7	141.5	3.68	1635	
Total Well Depth (TD): 4	.254/m	10.92	.168	31.3	8.07	.51	1645	
Static Water Level (WL): 34.83		10.92	.168	31.2	8.04	.50	1650	
One Casing Volume(gal/L):								
Start Purge (hrs): 1550								
End Purge (hrs):								
Total Purge Time (min):								
Total Vol. Purged (gal/L):								

SAMPLE COLLECTION INFORMATION:

Analysis	Preservative	Container Requirements	Collected

OBSERVATIONS / NOTES:

See Field Analytical Log Sheets for Geochemical Parameters (i.e. natural attenuation).

Circle if Applicable:

Signature(s):

Tetra Tech NUS, Inc.

GROUNDWATER SAMPLE LOG SHEET

Project Site Name: Seaford Field.
Project No.: 112600589

[] Domestic Well Data
[X] Monitoring Well Data
[] Other Well Type:
[] QA Sample Type:

Sample ID No.: OLSF4-MW-19S-001
Sample Location: OLSF4-MW-19S.
Sampled By: J.D. Spalding
C.O.C. No.:
Type of Sample:
[] Low Concentration
[] High Concentration

SAMPLING DATA:

Date: 12-07-06	Color	pH	S.C.	Temp.	Turbidity	DO	TBD	TBD
Time: ~~10:15~~ 12:00	Visual	Standard	mS/cm	°C	NTU	mg/l		
Method: Low flow Sub.	Clear	5.69	8	18.2	18	5.47.	12:00	

PURGE DATA:

Date: 12-7-06	Volume	pH	S.C.	Temp. (C)	Turbidity	DO	TBD (Time)	TBD
Method: Low flow Sub		5.63	9	21.1	250	5.81	10:15	
Monitor Reading (ppm):		~~See Low Flow Purge Data Sheet~~						
Well Casing Diameter & Material		6.72	9	21.8	190	6.46	10:30	
Type: 2" PVC		5.83	9	23.2	180	5.47	10:45	
Total Well Depth (TD): 55.7		5.99	9	20.7	69	6.45	10:50	
Static Water Level (WL): 48.73		5.87	9	25.2	32	4.93	11:00	
One Casing Volume(gal/L):		5.90	9	23.6	26	5.05	11:15	
Start Purge (hrs): 10.15		5.69	8.	21.8	27	4.83	11:30	
End Purge (hrs): 12:00		5.69	8	18.2	18	5.47	12:00	
Total Purge Time (min): ~~1 hr 45 min~~								
Total Vol. Purged (gal/L): .13 L/m								

SAMPLE COLLECTION INFORMATION:

Analysis	Preservative	Container Requirements	Collected
Low Conc. PAH 8270	Cool 4°C.	2 1L Amber Glass	
SVOC 8270	Cool 4°C.	2 1L Amber Glass	
PCB 8082	Cool 4°C	2, 1L Amber Glass	
FL Pro	Cool 4°C	2, 1 L Amber Glass	
TAL Metals 6010/7470 or	HNO_3	1 250mL plastic	
Ag Cd Cr Pb only by 6010	Cool 4°C		
Cyanide. 9012	NaOH/Cool 4°C	1 250 mL Plastic	
VOA 8011 for EDB - Sub to PEL	HCl, Cool 4°C	3 40mL clear Glass	

OBSERVATIONS / NOTES:

See Field Analytical Log Sheets for Geochemical Parameters (i.e. natural attenuation).

Circle if Applicable:

Signature(s):

Tetra Tech NUS, Inc.

GROUNDWATER SAMPLE LOG SHEET

Project Site Name: Saufley Site 4
Project No.: 112G00389

[] Domestic Well Data
[] Monitoring Well Data
[] Other Well Type:
[] QA Sample Type:

Sample ID No.: DLF54-MW135-001
Sample Location: MW135
Sampled By: C. Dolan
C.O.C. No.: 40972
Type of Sample:
[] Low Concentration
[] High Concentration

SAMPLING DATA:

Date: 12-19-00	Color (Visual)	pH (S.U.)	S.C. (mS/cm)	Temp. (°C)	Turbidity (NTU)	DO (mg/l)	Salinity (%)	Other
Time: 1090								
Method: low flow								

PURGE DATA:

Date: 12-19-00	Volume	pH	S.C.	Temp.	Turbidity	DO	~~Salinity~~	~~Other~~
Method: low flow	2.0L	6.47	.230	26.39	48.7	1.74	1555	34.97
Monitor Reading (ppm): 0.0	4.0L	6.93	.295	27.25	40.5	1.46	1605	35.09
Well Casing Diameter & Material	6.0L	7.02	.264	26.59	39.3	1.27	1615	35.10
Type: 2.0" PVC	8.0L	7.05	.248	25.97	37.0	1.31	1625	35.10
Total Well Depth (TD): 45.00	10.0L	7.11	.243	25.74	37.4	1.16	1635	35.10
Static Water Level (WL): 33.35	13.0L	7.09	.218	25.37	34.7	1.43	1640	37.10
One Casing Volume(gal): 7.06	16.0L	7.10	.182	29.25	112	2.65	1648	38.78
Start Purge (hrs): 1945	19.0L	7.20	.185	29.46		2.08	1635	30.50
End Purge (hrs):	33.0L	7.40	.201	31.4	14.7	4.61	~~1705~~	36.23
Total Purge Time (min):	34.0	7.39	.200	30.7	15.0	4.59	0949	36.28
Total Vol. Purged (gal):	38.0	7.39	.199	30.2	14.6	4.53	0954	36.31

1634/12-20

SAMPLE COLLECTION INFORMATION:

Analysis	Preservative	Container Requirements	Collected
8270 low Conc PAH	4°C	2x1L Amber	Y
8270 SVOC	4°C	2x1L Amber	Y
8082 PCB	4°C	1x1L Amber	Y
FL-PRO	4°C	2x1L Amber	Y
6010/7470 TAL metals	HNO_3	1x250mL plastic	Y
9012 Cyanide	$NaOH$	1x250mL plastic	Y
8011 EDB	HCl	3x40mL glass vial	Y
8260B VOCs	HCl	3x40mL glass vial	Y

OBSERVATIONS / NOTES:

purge rate = 200mL/min
@ 1635 increase to 600mL/min
@ 1647 decrease to 300mL/min

restart at 12:20 @ 93% flowrate = 200mL/min
pump is warming water

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

C. Dolan

Tetra Tech NUS, Inc.

GROUNDWATER SAMPLE LOG SHEET

Page___ of ___

Project Site Name: Saufley Site 4
Project No.: 112G00389

[] Domestic Well Data
[] Monitoring Well Data
[] Other Well Type:
[] QA Sample Type:

Sample ID No.: OLFS4-MW14D-001
Sample Location: MW14D
Sampled By: C. Odom
C.O.C. No.:
Type of Sample:
[] Low Concentration
[] High Concentration

SAMPLING DATA:

Date: 1-7-07	Color	pH	S.C.	Temp.	Turbidity	DO	Salinity	Other
Time: ~~1518~~ 1540	(Visual)	(S.U.)	(mS/cm)	(°C)	(NTU)	(mg/l)	(%)	
Method: low flow								

PURGE DATA:

Date: 1-7-07	~~Volume~~	pH	S.C.	Temp.	Turbidity	DO	~~Salinity~~	~~Other~~
Method: low flow	15.0 L	5.54	.027	24.72	12.3	6.30	1519	47.169
Monitor Reading (ppm): 0.0	17.5	5.51	.024	25.55	6.11	5.94	1524	47.13
Well Casing Diameter & Material	20.0	5.54	.026	25.42	2.91	5.90	1529	47.13
Type: 2" PVC	22.5	5.62	.027	25.38	1.25	5.89	1534	47.13
Total Well Depth (TD): 79.85								
Static Water Level (WL): 47.05								
One Casing Volume(gal/L):								
Start Purge (hrs): 1505								
End Purge (hrs): 1534								
Total Purge Time (min): 25								
Total Vol. Purged (gal/L): 22.5								

SAMPLE COLLECTION INFORMATION:

Analysis	Preservative	Container Requirements	Collected
8270 PAH	4°C	2 x 1L Amber	Y
8270 SVOC	4°C	2 x 1L Amber	
8018 PCB	4°C	1 x 1L Amber	
FL-PRO	4°C	2 x 1L Amber	
6010/7470 TAL metals	@ HNO_3	1 x 250 mL plastic	
9012 Cyanide	NaOH	1 x 250 mL plastic	
8011 EDB	HCl	3 x 40 mL glass	
8260B VOC	HCl	3 x 40 mL glass	

OBSERVATIONS / NOTES:

purge = 1.5 L/min
@ 1519 purge 15L = 500 mL/min

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s): C. Odom

Tetra Tech NUS, Inc.

GROUNDWATER SAMPLE LOG SHEET

Project Site Name: Sanfley
Project No.: 112600389

[ ] Domestic Well Data
[X] Monitoring Well Data
[ ] Other Well Type:
[ ] QA Sample Type:

Sample ID No.: OLSF4-MW-15S-001
Sample Location: OLSF4-MW-15S
Sampled By: J.D. Spalding
C.O.C. No.:
Type of Sample:
[X] Low Concentration
[ ] High Concentration

SAMPLING DATA:

Date: 1-4-07 / Time: 1045	Color Visual	pH Standard	S.C. mS/cm	Temp. °C	Turbidity NTU	DO mg/l	TBD	TBD
Method: Sub/Low Flow	Clear	6.20	.071	27.63	16.0	2.20		

PURGE DATA:

Date: 1-4-07	Volume	pH	S.C.	Temp. (C)	Turbidity	DO	TBD	TBD
Method: Sub/Low Flow								
Monitor Reading (ppm):		**See Low Flow Purge Data Sheet**						
Well Casing Diameter & Material		6.12	.090	21.63	37.5	6.56	10:15	
Type: 2"/PVC		6.21	.066	27.56	18.0	1.19	10:35	
Total Well Depth (TD): 56.65		6.20	.071	27.63	16.0	2.20	10:45	
Static Water Level (WL): 48.25								
One Casing Volume(gal/L):								
Start Purge (hrs): 1015								
End Purge (hrs):								
Total Purge Time (min):								
Total Vol. Purged (gal/L):								

SAMPLE COLLECTION INFORMATION:

Analysis	Preservative	Container Requirements	Collected

OBSERVATIONS / NOTES:

See Field Analytical Log Sheets for Geochemical Parameters (i.e. natural attenuation).

Circle if Applicable:

Signature(s):

Tetra Tech NUS, Inc.

GROUNDWATER SAMPLE LOG SHEET

Project Site Name: Sayfley Field Site 4
Project No.: 112606389.

Sample ID No.: OLSF4-MW-16S-0107
Sample Location: OLSF4-MW-16S.
Sampled By: S.D. Spalding
C.O.C. No.:
Type of Sample:
[] Low Concentration
[] High Concentration

[] Domestic Well Data
[X] Monitoring Well Data
[] Other Well Type:
[] QA Sample Type:

SAMPLING DATA:

Date: 12-07-06 / Time:	Color Visual	pH Standard	S.C. mS/cm	Temp. °C	Turbidity NTU	DO mg/l	TBD Time	TBD
Method: Low flow Sub.	Clear	6.27	11	18.8	19	3.88	1600	

PURGE DATA:

Date: 12-07-06	Volume	pH	S.C.	Temp. (C)	Turbidity	DO	TBD Time	TBD
Method: Low flow Sub.		6.21	11	16.6	190	4.88	1410	
Monitor Reading (ppm):		See Low Flow Purge Data Sheet						
Well Casing Diameter & Material		6.21	11	16.6	190	4.89	1430	
Type: 2" PVC.		6.19	11	27.7	66	3.71	1515	
Total Well Depth (TD): 54.7		6.27	11	18.8	19	3.88	1600	
Static Water Level (WL): 48.27								
One Casing Volume(gal/L):								
Start Purge (hrs): 1400								
End Purge (hrs): 1715								
Total Purge Time (min): 3hr 15min.								
Total Vol. Purged (gal/L):								

SAMPLE COLLECTION INFORMATION:

Analysis	Preservative	Container Requirements	Collected
Low Conc. PAH 8270	Cool 4°C	2 1L Amber Glass	
SVOC 8270	Cool 4°C	2 1L Amber Glass	
PCB 8082	Cool 4°C	2 1L Amber Glass	
FL Pro	Cool 4°C	2 1L Amber Glass	
TAL Metals 6010/7470 or	HNO_3 Cool 4°C	250mL Plastic.	
As Cd Cr Pb only by 6010			
Cyanide 9012	NaOH cool 4°C	250mL Plastic.	
VOA 8011 for EDB - Sub-PEL	HCL Cool 4°C	3, 40mL Clear Glass	
VOC 8260	HCL Cool 4°C	3, 40mL Clear Glass.	

OBSERVATIONS / NOTES:

See Field Analytical Log Sheets for Geochemical Parameters (i.e. natural attenuation).

Circle if Applicable:

Signature(s):

Tetra Tech NUS, Inc.

GROUNDWATER SAMPLE LOG SHEET

Project Site Name: Sanford
Project No.: 112600389

[] Domestic Well Data
[X] Monitoring Well Data
[] Other Well Type:
[] QA Sample Type:

Sample ID No.: OLSF4-MW17S-001
Sample Location: OLSF4-MW17S
Sampled By: S.D. Spalding
C.O.C. No.:
Type of Sample:
[X] Low Concentration
[] High Concentration

SAMPLING DATA:

Date: 12-21-06	Color	pH	S.C.	Temp.	Turbidity	DO	TBD	TBD
Time: 12.45	Visual	Standard	mS/cm	°C	NTU	mg/l		
Method: Sub/Low Flow	Clear	7.32	.187	33.60	18.0	5.16	1245	

PURGE DATA:

Date: 12-21-06	Volume	pH	S.C.	Temp. (C)	Turbidity	DO	TBD (Time)	TBD
Method: Sub/Low Flow		6.64	.410	-5 Fr. 22.39	-5 Fr.	3.48	0835	
Monitor Reading (ppm):		See Low Flow Purge Data Sheet						
Well Casing Diameter & Material	150 mL/m	9.61	.413	27.96	311.0	0.17	0900	
Type: 2"/PVC	200 mL/m	9.62	.471	28.44	207.6	Fr	0915	
Total Well Depth (TD): 55.26	200 mL/m	10.31	.365	30.62	71.8	0.21	0935	
Static Water Level (WL): 45.87	200 mL/m	9.99	.338	31.21	35.0	0.90	1000	
One Casing Volume(gal/L):		7.32	.187	33.00	18.0	5.16	1245	
Start Purge (hrs):								
End Purge (hrs):								
Total Purge Time (min):								
Total Vol. Purged (gal/L):								

SAMPLE COLLECTION INFORMATION:

Analysis	Preservative	Container Requirements	Collected

OBSERVATIONS / NOTES:

See Field Analytical Log Sheets for Geochemical Parameters (i.e. natural attenuation).

Bad Sand Pack? Cloudy Sample Metals

Circle if Applicable:

Signature(s):

Tetra Tech NUS, Inc.

GROUNDWATER SAMPLE LOG SHEET

Project Site Name: Saufley Site 4
Project No.: 112G00389

[] Domestic Well Data
[] Monitoring Well Data
[] Other Well Type:
[] QA Sample Type:

Sample ID No.: OU59-MW18S-0.5
Sample Location: MW18S
Sampled By: E. Dolan
C.O.C. No.:
Type of Sample:
[] Low Concentration
[] High Concentration

SAMPLING DATA:

	Color (Visual)	pH (S.U.)	S.C. (mS/cm)	Temp. (°C)	Turbidity (NTU)	DO (mg/l)	Salinity (%)	Other
Date: 12-21-06								
Time: 1100 after								
Method:								

PURGE DATA:

	Volume	pH	S.C.	Temp.	Turbidity	DO	~~Salinity~~	~~Other~~
Date: 12-21-06								
Method: low flow	10.0	9.25	.126	27.0	[illegible]	5.50	0957	44.31
Monitor Reading (ppm): 0.0	12.0	8.37	0.111	30.8	4.70	5.35	0719	45.58
Well Casing Diameter & Material	14.0	7.62	0.102	25.8	[illegible]	5.25	0937	45.50
Type: 2.0" PVC	16.0	7.76	0.104	25.8	55.9	5.22	0957	43.37
Total Well Depth (TD): 55.7	18.0	7.89	0.099	27.1	35.4	5.03	1017	48.50
Static Water Level (WL): 48.43	20.0	7.35	0.096	27.4	25.9	4.90	1037	45.70
One Casing Volume(gal/L):	20.5	7.21	0.093	28.2	22.6	4.87	1042	45.85
Start Purge (hrs): 0837	21.0	7.14	0.092	28.9	19.3	4.79	1047	45.90
End Purge (hrs): 1057	21.5	7.13	0.092	29.0	20.2	4.78	1052	45.92
Total Purge Time (min): 140	22.0	7.14	0.093	24.6	19.2	4.74	1057	45.67
Total Vol. Purged (gal/L): 22.0								

SAMPLE COLLECTION INFORMATION:

Analysis	Preservative	Container Requirements	Collected
8270 low Conc. PAH	4°C	2 x 1L Amber	Y
8270 SVOC	4°C	2 x 1L Amber	Y
8082 PCB	4°C	1 x 1L Amber	Y
FL-PRO	4°C	2 x 1L Amber	Y
6010/7470 TAL metals	HNO_3	1 x 250 mL plastic	Y
9012 Cyanide	NaOH	1 x 250 mL plastic	Y
8011 EDB	HCl	3 x 40 mL glass vial	Y
8260B VOCs	HCl	3 x 40 mL glass vial	Y

OBSERVATIONS / NOTES:

purge rate = 500mL/min
200mL/min @ 1057

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s): E. Dolan

Tetra Tech NUS, Inc.

GROUNDWATER SAMPLE LOG SHEET

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Project Site Name: Saufley Site 4
Project No.: 112G00389

[] Domestic Well Data
[✓] Monitoring Well Data
[] Other Well Type:
[] QA Sample Type:

Sample ID No.: OLF84-MW20S-00(20)
Sample Location: MW20S
Sampled By: C. Dan
C.O.C. No.: 70972
Type of Sample:
[] Low Concentration
[] High Concentration

SAMPLING DATA:

Date: 12-20-05	Color (Visual)	pH (S.U.)	S.C. (mS/cm)	Temp. (°C)	Turbidity (NTU)	DO (mg/l)	Salinity (%)	Other
Time: 1400								
Method: low flow	clear	9.26	.203	22.6	5.00	0.81		

PURGE DATA:

Date: 12-20-05	~~Volume~~	pH	S.C.	Temp.	Turbidity	DO	~~Salinity~~	~~Other~~
Method: low flow	4.0	8.34	.182	28.0	12.6	7.37	1340	41.50
Monitor Reading (ppm): 0.0	6.0	8.44	.225	28.2	7.49	0.79	1345	41.67
Well Casing Diameter & Material	8.0	8.29	.207	28.6	6.91	0.88	1350	41.69
Type: 2.0" PVC	10.0	8.26	.203	24.6	5.00	0.81	1355	41.62
Total Well Depth (TD): 45.00								
Static Water Level (WL): 39.26								
One Casing Volume(gal/L): 3.49								
Start Purge (hrs): 1330								
End Purge (hrs): 1355								
Total Purge Time (min): 25								
Total Vol. Purged (gal): 10								

SAMPLE COLLECTION INFORMATION:

Analysis	Preservative	Container Requirements	Collected
8270 low Conc. PAH	4°C	2x1L Amber	Y
8270 SVOC	4°C	2x1L Amber	Y
8082 PCB	4°C	1x1L Amber	Y
FL-PRO	4°C	2x1L Amber	Y
6010/7470 TAL metals	HNO_3	1x250mL plastic	Y
9012 Cyanide	NaOH	1x250mL plastic	Y
8011 EDB	HCl	3x40mL glass vial	Y
8260B VOCs	HCl	3x40mL glass vial	Y

OBSERVATIONS / NOTES:

purge rate = 400 mL/min

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

C. Dan

Tetra Tech NUS, Inc.

GROUNDWATER SAMPLE LOG SHEET

Project Site Name: Sanford
Project No.: 112600389

[ ] Domestic Well Data
[X] Monitoring Well Data
[ ] Other Well Type:
[ ] QA Sample Type:

Sample ID No.: OLSF4-MW21S-001
Sample Location: OLSF4-MW21S
Sampled By: J.D. Spalding
C.O.C. No.:
Type of Sample:
[X] Low Concentration
[ ] High Concentration

SAMPLING DATA:

Date: 12-20-06	Color	pH	S.C.	Temp.	Turbidity	DO	TBD	TBD
Time:	Visual	Standard	mS/cm	°C	NTU	mg/l		
Method: Sub/Low flow								

PURGE DATA:

Date: 12-20-06	Volume	pH	S.C.	Temp. (C)	Turbidity	DO	TBD	TBD
Method: Sub/Low flow	200 ml/m	6.60	.118	~~-5Er~~ 27.64	-5Er	2.64	1405	40.8 BLS ↓
Monitor Reading (ppm):		**See Low Flow Purge Data Sheet**						
Well Casing Diameter & Material	200ml/m	6.58	.119	~~-5E~~ 29.35	-5E	3.12	1445	43.75 well dry
Type: 2"/PVC	200 ml/m	6.83	.461	30.25	240	3.76	1550	43.75+
Total Well Depth (TD): 44.79								
Static Water Level (WL): 40.2								
One Casing Volume(gal/L):								
Start Purge (hrs):								
End Purge (hrs):								
Total Purge Time (min):								
Total Vol. Purged (gal/L):								

SAMPLE COLLECTION INFORMATION:

Analysis	Preservative	Container Requirements	Collected

OBSERVATIONS / NOTES:

See Field Analytical Log Sheets for Geochemical Parameters (i.e. natural attenuation).

well Dry Did Not sample

Circle If Applicable:

Signature(s):

Tetra Tech NUS, Inc.

GROUNDWATER SAMPLE LOG SHEET

Project Site Name: Sunflower CTO 29
Project No.: 1126 00 889

Sample ID No.: OLSF4-MW-21S-00
Sample Location: OLSF4-MW-21S
Sampled By: S.D. Spalding
C.O.C. No.:

[ ] Domestic Well Data
[X] Monitoring Well Data
[ ] Other Well Type:
[ ] QA Sample Type:

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

SAMPLING DATA:

Date: 1-6-07 Time: 1100	Color Visual	pH Standard	S.C. mS/cm	Temp. °C	Turbidity NTU	DO mg/l	TBD	TBD
Method: Sub/Low Flow	Clear	5.85	0.068	27.25	14.1	3.98		

PURGE DATA:

Date: 1-7-07	Volume	pH	S.C.	Temp. (C)	Turbidity	DO	TBD	TBD
Method: Sub/Low Flow	75 ml/m	5.97	0.086	22.94	123.0	3.54	1000	
Monitor Reading (ppm):		**See Low Flow Purge Data Sheet**						
Well Casing Diameter & Material	75 ml/m	5.96	0.087	22.96	120	3.61	1015	
Type: 2" / PVC	75 ml/m	5.85	0.075	25.26	70.2	4.11	1080	
Total Well Depth (TD): 44.76	75 ml/m	5.85	0.068	27.25	14.1	3.98	1100	42.96
Static Water Level (WL): 40.69								
One Casing Volume(gal/L):								
Start Purge (hrs):								
End Purge (hrs):								
Total Purge Time (min):								
Total Vol. Purged (gal/L):								

SAMPLE COLLECTION INFORMATION:

# Analysis	Preservative	Container Requirements	Collected
Low Conc. PAH 8270	Cool/4°C	2, 1L Amber glass	
SVOC 8270	Cool/4°C	2, 1L Amber glass	
PCB 8082	Cool/4°C	2, 1L Amber glass	
FL Pro	Cool/4°C	2, 1L Amber glass	
TAL Metals 6010/7470 or	~~HNO3~~		
As Cd Cr Pb only by 6010	~~Nitric~~ Cool/4°C	250mL Plastic	
Cyanide 9012	NaOH Cool/4°C	250mL Plastic.	
VOA 8011 for EDB-Sub-PEL	HCL Cool/4°C	3x40mL Clear Glass	
VOC 8260	HCL Cool/4°C	3x40mL Clear Glass.	

OBSERVATIONS / NOTES:

See Field Analytical Log Sheets for Geochemical Parameters (i.e. natural attenuation).

Circle if Applicable:

Signature(s):

Tetra Tech NUS, Inc.

GROUNDWATER SAMPLE LOG SHEET

Project Site Name: Sayreville
Project No.: 112600389

[ ] Domestic Well Data
[X] Monitoring Well Data
[ ] Other Well Type:
[ ] QA Sample Type:

Sample ID No.: OLSF4-MW22D-001
Sample Location: OLSF4-MW22D
Sampled By: J.P. Spalding
C.O.C. No.:
Type of Sample:
[X] Low Concentration
[ ] High Concentration

SAMPLING DATA:

Date: 12-19-06	Color	pH	S.C.	Temp.	Turbidity	DO	TBD	TBD
Time: ~~1035~~	Visual	Standard	mS/cm	°C	NTU	mg/l		
Method: Sub/Low flow	Clear	4.73	.028	24.84	8.2	7.47	1345	

PURGE DATA:

Date: 12-19-06	Volume	pH	S.C.	Temp. (C)	Turbidity	DO	TBD	TBD
Method: Sub/Low flow							Time	
Monitor Reading (ppm):		See Low Flow Purge Data Sheet						
Well Casing Diameter & Material		6.01	.066	23.53	669.0	2.06	11:35	.5L/min
Type: 2"/PVC		5.35	.036	24.53	42.5	4.73	11:45	.5L/min
Total Well Depth (TD): ~~99~~ 90.59		Pump Kicked Out Voltage					11:47	—
Static Water Level (WL): 51.3		5.34	.038	24.49	66	6.46	11:55	.5L/min
One Casing Volume(gal/L):		Pump Kicked Out Voltage			→		1205	—
Start Purge (hrs): 11.35		5.26	.044	24.94	98.5	4.23	1215	.5L/m
End Purge (hrs): 1345		4.73	.028	24.84	8.2	7.47	1345	.5L/m
Total Purge Time (min): ~~2hr 10mins~~								
Total Vol. Purged (gal/L):								

SAMPLE COLLECTION INFORMATION:

Analysis	Preservative	Container Requirements	Collected

OBSERVATIONS / NOTES:

See Field Analytical Log Sheets for Geochemical Parameters (i.e. natural attenuation).

Circle if Applicable:

Signature(s):

Tetra Tech NUS, Inc.

GROUNDWATER SAMPLE LOG SHEET

Page ___ of ___

Project Site Name: Saufley Site 4
Project No.: 112G00389

[] Domestic Well Data
[] Monitoring Well Data
[] Other Well Type:
[] QA Sample Type:

Sample ID No.: BCFS4-MW235-001
Sample Location: MW235
Sampled By: C. Dolan
C.O.C. No.: 90200
Type of Sample:
[] Low Concentration
[] High Concentration

SAMPLING DATA:

Date: 12-19-06 / Time: 1230 / Method: low flow	Color (Visual)	pH (S.U.)	S.C. (mS/cm)	Temp. (°C)	Turbidity (NTU)	DO (mg/l)	~~Salinity~~ (%)	~~Other~~ SWL

PURGE DATA:

Date: 12-19-06	Volume	pH	S.C.	Temp.	Turbidity	DO	~~Salinity~~	~~Other~~ SWL
Method: low flow	5.0 L	7.67	1.31	26.6	28.5	6.79	1143	25.71
Monitor Reading (ppm): 0.0	7.5 L	7.63	1.29	26.9	15.2	6.07	1114	25.71
Well Casing Diameter & Material	10.0 L	7.47	1.29	27.4	14.8	4.78	1153	25.71
Type: 2.0" PVC	12.5 L	7.92	1.29	27.5	15.7	4.02	1158	25.71
Total Well Depth (TD): 40	15.0 L	7.93	1.30	27.7	11.9	3.53	1203	25.71
Static Water Level (WL): 29.63	17.5 L	7.92	1.30	27.8	13.9	3.01	1208	25.71
One Casing Volume(gal): 8.74	20.0 L	7.91	1.29	27.9	7.63	2.46	1213	25.71
Start Purge (hrs): 1132	22.5	7.90	1.29	28.1	7.26	2.03	1218	25.71
End Purge (hrs): 1223	25.0	7.89	1.29	28.1	8.41	1.95	1223	25.71
Total Purge Time (min): 50								
Total Vol. Purged (gal): 25.0								

SAMPLE COLLECTION INFORMATION:

Analysis	Preservative	Container Requirements	Collected
8270 low conc. PAH	4°C	2 x 1L Amber	Y
8270 SVOC	4°C	2 x 1L Amber	Y
8082 PCB	4°C	1 x 1L Amber	Y
FL-PRO	4°C	2 x 1L Amber	Y
6010/7470 TAL metals	HNO_3	1 x 250 mL Plastic	Y
9012 Cyanide	NaOH	1 x 250 mL Plastic	Y
EDB/DBCP	HCl	3 x 40 mL vials	Y
8260 VOCs	HCl	3 x 40 mL vials	Y
TCL SVOCs + App IX, TCL Pest, PCBs + App IX, TCL Herbicides + App IX, + TAL metals	4°C	2 x 1L Amber	Y

OBSERVATIONS / NOTES:

purge rate ~ 500 mL/min

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

Signature(s):

Tetra Tech NUS, Inc.

GROUNDWATER SAMPLE LOG SHEET

Project Site Name: Sanfley CTO 29
Project No.: 112600389

[ ] Domestic Well Data
[X] Monitoring Well Data
[ ] Other Well Type:
[ ] QA Sample Type:

Sample ID No.: OLSF4-MW-24S-001
Sample Location: OLSF4-MW-24S-
Sampled By: J.D. Spaid, J.P.
C.O.C. No.:
Type of Sample:
[X] Low Concentration
[ ] High Concentration

SAMPLING DATA:

Date: 1-6-07	Color	pH	S.C.	Temp.	Turbidity	DO	TBD	TBD
Time: 1725	Visual	Standard	mS/cm	°C	NTU	mg/l	∇	
Method: Sub/Low Flow	Clear	5.97	0.044	30.40	17.0	3.15	51.24	

PURGE DATA:

Date: 1-6-07	Volume	pH	S.C.	Temp. (C)	Turbidity	DO	TBD	TBD
Method: Sub/Low flow	75 mL/m	6.87	.067	24.99	-5 Err	5.21	1630	
Monitor Reading (ppm):		**See Low Flow Purge Data Sheet**						
Well Casing Diameter & Material	75 mL/m	6.25	0.062	25.41	650	3.78	1645	
Type:	75 mL/m	6.15	0.059	28.29	179.0	3.99	1655	49.69 ∇
Total Well Depth (TD): 55.55	75 mL/m	6.09	.055	30.05	89.4	4.02	1700	49.99 ∇
Static Water Level (WL): 48.25	75 mL/m	6.03	0.048	30.14	39.0	3.64	1710	50.51 ∇
One Casing Volume(gal/L):	75 mL/m	5.97	0.044	30.40	17.0	5.15	1725	51.04 ∇
Start Purge (hrs): 1630								
End Purge (hrs):								
Total Purge Time (min):								
Total Vol. Purged (gal/L):								

SAMPLE COLLECTION INFORMATION:

Analysis	Preservative	Container Requirements	Collected
Low Conc PAH 8270	Cool 4°C	2 x 1L Amber glass	
SVOC 8270	Cool 4°C	2 x 1L Amber glass	
PCB 8082	Cool 4°C	1L Amber glass	
FLPRO	Cool 4°C	2 x 1L Amber glass	
TAL Metals 6010/7470 or	~~~~	~~~~	
As, Cd, Cr, Pb only by 6010	HNO3 Cool 4°C	250mL Plastic	
Cyanide. 9012	NaOH Cool 4°C	250mL Plastic	
VOA 8011 for EDB	HCL Cool 4°C	3 x 40mL Clear glass	
VOC 8260	HCL Cool 4°C	5 x 40mL Clear glass.	

OBSERVATIONS / NOTES:

See Field Analytical Log Sheets for Geochemical Parameters (i.e. natural attenuation).

Circle if Applicable: | **Signature(s):**

Tetra Tech NUS, Inc.

GROUNDWATER SAMPLE LOG SHEET

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Project Site Name:	Saufley Site 4	Sample ID No.:	OLFS4-MW25S-001
Project No.:	112G00389	Sample Location:	MW25S
		Sampled By:	C. Dan
[ ] Domestic Well Data		C.O.C. No.:	
[X] Monitoring Well Data		Type of Sample:	
[ ] Other Well Type:		[ ] Low Concentration	
[ ] QA Sample Type:		[ ] High Concentration	

SAMPLING DATA:

Date: 1-6-07 / Time: 1520 / Method: low flow	Color (Visual)	pH (S.U.)	S.C. (mS/cm)	Temp. (°C)	Turbidity (NTU)	DO (mg/l)	Salinity (%)	Other

PURGE DATA:

Date: 1-6-07	Volume	pH	S.C.	Temp.	Turbidity	DO	~~Salinity~~ Time	~~Other~~ SWL
Method: low flow	0.5L	6.07	.122	23.48	82.2	.19	1330	47.50
Monitor Reading (ppm): 0.0	1.5L	6.12	.123	24.25	68.4	.40	1340	47.48
Well Casing Diameter & Material	2.5	6.12	.120	25.47	70.9	.63	1350	47.35
Type: 2.0" PVC	3.5	6.12	.135	29.89	115	.50	1400	47.33
Total Well Depth (TD): 55.21	4.5	6.12	.134	28.61	119	.63	1410	47.33
46.89 Static Water Level (WL): [illegible]	5.5	6.11	.120	27.59	82.0	.61	1420	47.32
One Casing Volume(gal/L): 5.4	7.5	6.11	.121	28.77	76.3	.62	1440	47.33
Start Purge (hrs): 1325	9.5	6.12	.121	24.86	59.6	.57	1500	47.34
End Purge (hrs): 1515	10.0	6.06	.120	28.74	363	.63	1505	47.34
Total Purge Time (min): 210	10.5	6.11	.121	28.76	22.4	.62	1510	47.33
Total Vol. Purged (gal/L): 11.0	11.0	6.10	.120	28.81	18.1	.63	1515	47.33

SAMPLE COLLECTION INFORMATION:

Analysis	Preservative	Container Requirements	Collected
8270 PAH	4°C	2x 1L Amber	Yes
8270 SVOC	4°C	2x 1L Amber	↓
8082 PCB	4°C	1x 1L Amber	↓
FL-PRO	4°C	2x 1L Amber	↓
6010/7470 TAL metals	HNO3	1x 250 mL plastic	↓
9012 Cyanide	NaOH	1x 250 mL plastic	↓
8011 EDB	HCl	3x 40 mL glass	↓
8260B VOC	HCl	3x 40 mL glass	↓

74.35
74.35

OBSERVATIONS / NOTES:

purge rate ~ 100 mL/min

pump is warming up water

.16
9
54
90
144
3.8
1152
4320
5472

Circle if Applicable:		Signature(s):
MS/MSD	Duplicate ID No.:	[signature]

Tetra Tech NUS, Inc.

GROUNDWATER SAMPLE LOG SHEET

Project Site Name: Sanflex CTO 29
Project No.: 112600389

[] Domestic Well Data
[X] Monitoring Well Data
[] Other Well Type:
[] QA Sample Type:

Sample ID No.: OLSF4-MW-26D-001
Sample Location: OLSF4-MW-26D
Sampled By: S.D. Spalding
C.O.C. No.:
Type of Sample:
[X] Low Concentration
[] High Concentration

SAMPLING DATA:

Date: 1-5-07	Color	pH	S.C.	Temp.	Turbidity	DO	TBD	TBD
Time: 1620	Visual	Standard	mS/cm	°C	NTU	mg/l		
Method: Sub/Low Flow	Clear	5.49	.215	25.28	3.21	0.11		

PURGE DATA:

Date: 1-5-07	Volume	pH	S.C.	Temp. (C)	Turbidity	DO	TBD	TBD
Method: Sub/Low Flow	1.25 L/min	5.45	.206	23.91	724.0	6.12	1555	
Monitor Reading (ppm):		See Low Flow Purge Data Sheet					~~1600~~	
Well Casing Diameter & Material	1.25 L/m	5.52	.206	24.60	69.2	0.18	1600	42.55 ▽
Type: 2" / PVC	1.25 L/m	5.45	.221	24.72	10.66	0.04	1605	42.55 ▽
Total Well Depth (TD): 81.37	1.25 L/m	5.49	.220	24.63	3.18	0.03	1615	42.39 ▽
Static Water Level (WL): 42.31	500 mL/m	5.49	.215	25.28	3.21	0.11	1620	42.37 ▽
One Casing Volume(gal/L):								
Start Purge (hrs): 1555								
End Purge (hrs):								
Total Purge Time (min):								
Total Vol. Purged (gal/L):								

SAMPLE COLLECTION INFORMATION:

Analysis	Preservative	Container Requirements	Collected

OBSERVATIONS / NOTES:

See Field Analytical Log Sheets for Geochemical Parameters (i.e. natural attenuation).

Circle if Applicable:

Signature(s):

Tetra Tech NUS, Inc.

GROUNDWATER SAMPLE LOG SHEET

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Project Site Name: Saufley Site 4
Project No.: 112G00389

[] Domestic Well Data
[X] Monitoring Well Data
[] Other Well Type:
[] QA Sample Type:

Sample ID No.: 0LF3E-MW27S-00
Sample Location: MW27S
Sampled By: C.Dan
C.O.C. No.:
Type of Sample:
[] Low Concentration
[] High Concentration

SAMPLING DATA:

Date: ~~1-6-07~~	Color (Visual)	pH (S.U.)	S.C. (mS/cm)	Temp. (°C)	Turbidity (NTU)	DO (mg/l)	Salinity (%)	Other
Time: 1102								
Method: low flow								

PURGE DATA:

Date: 1-6-07/1-7	~~Purge~~ Volume	pH	S.C.	Temp.	Turbidity	DO	~~Salinity~~	~~Other~~	
Method: low flow	1.0L	6.01	.083	25.09	464	6.37	1642	48.83	1-6
Monitor Reading (ppm): 0.0	2.0L	6.05	.083	25.50	439	6.30	1647	49.07	
Well Casing Diameter & Material	4.0L			32.32			1657		
Type: 2.0" PVC	4.0L	6.35	.085	26.39	55	7.26	1021	49.20	K
Total Well Depth (TD): 54.85	6.0L	6.30	.087	30.97	37	6.95	1030	50.02	
Static Water Level (WL): 48.35	7.0	6.28	.087	30.22	28.6	6.71	1035	50.01	1-7
One Casing Volume(gal/L): 4.25	8.0	6.30	.085	27.79	21.2	6.18	1040	49.96	
Start Purge (hrs): 1637/1000	9.0	6.27	.082	27.79	104.1	6.35	1045	49.95	
End Purge (hrs): 1100	10.0	6.22	.081	31.54	73.9	6.60	1050	49.97	
Total Purge Time (min): 80	11.0	6.26	.081	29.71	36.2	6.45	1055	49.97	
Total Vol. Purged (gal): 16	12.0	6.24	.081	29.54	19.1	6.37	1100	49.96	

SAMPLE COLLECTION INFORMATION:

Analysis	Preservative	Container Requirements	Collected
8270 PAH	4°C	~~2x1L~~ 2x1L Amber	
8270 SVOC	4°C	2x1L Amber	
8082 PCB	4°C	1x1L Amber	
FL-PRO	4°C	2x1L Amber	
6010/7470 TAL metals	HNO3	1x250mL plastic	
9012 Cyanide	NaOH	1x250mL plastic	
8011 EDB	HCl	3x40mL glass	
8260 VOC	HCl	3x40mL glass	

OBSERVATIONS / NOTES:

purge rate = 200mL/min

pump heating water

36
1
12
36
96
3360
12 5 6

@ 1657 stopped pumping b/c of overheating
resume purging 1000 (1-7)
pump surged causing silt to disp

Circle if Applicable:

MS/MSD | Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

GROUNDWATER SAMPLE LOG SHEET

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Project Site Name: Saufley Site 4
Project No.: 112G00389

[] Domestic Well Data
[] Monitoring Well Data
[] Other Well Type:
[] QA Sample Type:

Sample ID No.: OLFSY-MW285-0001
Sample Location: MW285
Sampled By: C. Odom
C.O.C. No.:
Type of Sample:
[] Low Concentration
[] High Concentration

SAMPLING DATA:

Date: 1-4-07 / Time: 1237 / Method: low flow	Color (Visual)	pH (S.U.)	S.C. (mS/cm)	Temp. (°C)	Turbidity (NTU)	DO (mg/l)	Salinity (%)	Other

PURGE DATA:

Date: 1-4-07	Volume	pH	S.C.	Temp.	Turbidity	DO	Salinity	Other
Method: low flow	1.25L	6.14	.305	23.76	195	.50	1140	30.50
Monitor Reading (ppm): 0.0	2.50	6.15	.300	25.41	79.5	.50	1145	30.50
Well Casing Diameter & Material	3.75	6.13	.295	25.84	76.0	.49	1150	30.51
Type: 2.0" PVC	5.0	6.12	.288	26.09	22.1	0.47	1155	30.51
Total Well Depth (TD): 45.31	6.25	6.12	.276	26.45	13.2	0.48	1200	30.51
Static Water Level (WL): 30.51	7.50	6.12	.269	26.53	9.04	0.47	1205	30.51
One Casing Volume(gal): 9.0	8.75	6.12	.266	26.70	6.37	0.47	1210	30.50
Start Purge (hrs): 1135	10.0	6.13	.263	26.74	4.61	0.46	1215	30.50
End Purge (hrs): 1215								
Total Purge Time (min): 40								
Total Vol. Purged (gal): 10.0								

SAMPLE COLLECTION INFORMATION:

Analysis	Preservative	Container Requirements	Collected
8270 PAH	4°C	2 x 1L Amber	Y
8270 SVOC	4°C	2 x 1L Amber	↓
8082 PCB	4°C	1 x 1L Amber	↓
FL-PRO	4°C	2 x 1L Amber	↓
6010/7470 TAL metals	HNO_3	1 x 250 mL plastic	↓
9012 Cyanide	NaOH	1 x 250 mL plastic	↓
8011 EDB	HCl	3 x 40 mL glass	↓
8260B VOC	HCl	3 x 40 mL glass	↓

OBSERVATIONS / NOTES:

Purge rate = 250 mL/min

Circle if Applicable:

MS/MSD | Duplicate ID No.:

Signature(s): C. Odom

Tetra Tech NUS, Inc.

GROUNDWATER SAMPLE LOG SHEET

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Project Site Name: Saufley Site 4
Project No.: 112G00389

[ ] Domestic Well Data
[X] Monitoring Well Data
[ ] Other Well Type:
[ ] QA Sample Type:

Sample ID No.: DLFS4-MW29D-001
Sample Location: MW 29D
Sampled By: C. Dolan
C.O.C. No.:
Type of Sample:
[ ] Low Concentration
[ ] High Concentration

SAMPLING DATA:

Date: 1-5-06 / Time: 1645 / Method: Low flow	Color (Visual)	pH (S.U.)	S.C. (mS/cm)	Temp. (°C)	Turbidity (NTU)	DO (mg/l)	Salinity (%)	Other

PURGE DATA:

Date: 1-5-06 / Method: Low flow / Monitor Reading (ppm): 0.0 / Well Casing Diameter & Material / Type: 2.0" PVC / Total Well Depth (TD): 79.85 / Static Water Level (WL): 42.55 / One Casing Volume(gal/L): 22.67 / Start Purge (hrs): 1045 / End Purge (hrs): 1135 / Total Purge Time (min): 50 / Total Vol. Purged (gal): 25	Volume	pH	S.C.	Temp.	Turbidity	DO	~~Salinity~~	~~Other~~
	1.5	5.42	.021	23.84	51.1	1.91	1050	42.60
	3.0	5.46	.021	23.84	85.5	2.02	1055	42.61
	6.0	5.54	.078	26.12	54.5	1.39	1105	42.61
	9.0	5.54	.077	26.12	16.1	0.61	1115	42.67
	12.5	5.54	.091	26.07	12.5	.31	1120	42.69
	20.0	5.58	.077	25.91	26.3	.45	1125	42.67
	22.5	5.59	.077	25.74	14.1	.40	1130	42.64
	23.0	5.63	.079	26.10	5.5	.39	1135	42.66

SAMPLE COLLECTION INFORMATION:

Analysis	Preservative	Container Requirements	Collected
8270 PAH	4°C	2 x 1L Amber	Y
8270 SVOC	4°C	2 x 1L Amber	
8082 PCB	4°C	1 x 1L Amber	
FL PRO	4°C	2 x 1L Amber	
Gold/1470 TAL metals	HNO_3	1 x 250mL plastic	
9012 Cyanide	NaOH	1 x 250mL plastic	
504 EDB	HCl	3 x 40mL preserved glass vial	
8260 VOCs	HCl	3 x 40mL preserved glass vial	

OBSERVATIONS / NOTES:

purge rate - 300mL/min
@ 1105 purge rate = 500mL/min
unexpected surge produced more water than calculated

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

Signature(s):

Tetra Tech NUS, Inc.

GROUNDWATER SAMPLE LOG SHEET

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Project Site Name: Saufley Site 4
Project No.: 112G00389

[] Domestic Well Data
[] Monitoring Well Data
[] Other Well Type:
[] QA Sample Type:

Sample ID No.: OLFS4-MW305-0001
Sample Location: MW305
Sampled By: C. Odom
C.O.C. No.:
Type of Sample:
[] Low Concentration
[] High Concentration

SAMPLING DATA:

Date: 1-4-07	Color	pH	S.C.	Temp.	Turbidity	DO	Salinity	Other
Time: 1600	(Visual)	(S.U.)	(mS/cm)	(°C)	(NTU)	(mg/l)	(%)	
Method: low flow	clear	6.51	.102	27.07				

PURGE DATA:

Date: 1-4-07	~~Color~~ Volume	pH	S.C.	Temp.	Turbidity	DO	~~Salinity~~	~~Other~~
Method: low flow	1.5	6.43	.106	26.72	20.2	0.82	1550	32.25
Monitor Reading (ppm): 55	3.0	6.51	.103	27.18	13.1	0.91	1555	33.10
Well Casing Diameter & Material	4.5	6.51	.102	27.07	10.7	.63	1600	33.31
Type: 2.0" PVC								
Total Well Depth (TD): 40.0								
Static Water Level (WL): 31.51								
One Casing Volume(gal/D): 3.3								
Start Purge (hrs): 1545								
End Purge (hrs): 1600								
Total Purge Time (min): 15								
Total Vol. Purged (gal/D): 4.5								

SAMPLE COLLECTION INFORMATION:

Analysis	Preservative	Container Requirements	Collected
8270 PAH	4°C	2 x 1L Amber	Y
8270 SVOC	4°C	2 x 1L Amber	Y
8082 PCB	4°C	1 x 1L Amber	Y
FL-PRO	4°C	2 x 1L Amber	Y
6010/7470 TAL metals	HNO_3	1 x 250 mL plastic	Y
9012 Cyanide	NaOH	1 x 250 mL plastic	Y
8011 EDB	HCl	3 x 40 mL glass vial	Y
8260B VOC	HCl	3 x 40 mL glass vial	Y

OBSERVATIONS / NOTES:

purge rate - 300mL/min

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

C. Odom

Tetra Tech NUS, Inc.

GROUNDWATER SAMPLE LOG SHEET

Page ___ of ___

Project Site Name: Saufley Site 4
Project No.: 112G00389

[ ] Domestic Well Data
[X] Monitoring Well Data
[ ] Other Well Type:
[ ] QA Sample Type:

Sample ID No.: OLF34-MW31S-00
Sample Location: MW31S
Sampled By: C. Dan
C.O.C. No.:
Type of Sample:
[ ] Low Concentration
[ ] High Concentration

SAMPLING DATA:

Date: 1-5-07 / Time: / Method: Low flow	Color (Visual)	pH (S.U.)	S.C. (mS/cm)	Temp. (°C)	Turbidity (NTU)	DO (mg/l)	Salinity (%)	Other

PURGE DATA:

Date: 1-5-07 / Method: low flow	~~Purge~~ Volume	pH	S.C.	Temp.	Turbidity	DO	~~Sal~~ Salinity	~~Red~~ Other
	1.0L	6.10	.132	25.22	250	.27	1425	32.10
Monitor Reading (ppm): 20.0	3.0	6.16	.129	26.35	81.8	.39	1435	32.48
Well Casing Diameter & Material	5.0L	6.77	.124	29.39	40	.29	1445	33.48
Type: 2.0" PVC	8.0L	6.86	.122	30.34	19	.11	1450	34.10
Total Well Depth (TD): 40	7.0L	6.94	.121	28.45	9.0	.17	1455	34.32
Static Water Level (WL): 30.71	8.0L	6.88	.120	29.22	25	.20	1500	34.50
One Casing Volume(gal/L): 6.0L	9.0L	6.84	.124	29.83	12	.19	1505	34.80
Start Purge (hrs): 1420								
End Purge (hrs):								
Total Purge Time (min):								
Total Vol. Purged (gal/L):								

SAMPLE COLLECTION INFORMATION:

Analysis	Preservative	Container Requirements	Collected
8270 PAH	4°C	2 x 1L Amber	Y
8270 SVOC	4°C	2 x 1L Amber	
8082 PCB	4°C	1 x 1L Amber	
FL-PRO	4°C	2 x 1L Amber	
6010/7470 TAL metals	HNO_3	1 x 250mL plastic	
9012 Cyanide	NaOH	1 x 250 mL plastic	
8011 EDB	HCl	3 x 40 mL glass	Y
8260 VOC	HCl	3 x 40 mL glass	

OBSERVATIONS / NOTES:

purge rate = 200mL/min
pump raises water temp

Circle if Applicable:

MS/MSD | Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

GROUNDWATER SAMPLE LOG SHEET

Project Site Name: Sawfley SI CTO 29
Project No.: 112600389

[] Domestic Well Data
[X] Monitoring Well Data
[] Other Well Type:
[] QA Sample Type:

Sample ID No.: OLSF4-MW-32S-001
Sample Location: OLSF4-MW-32S
Sampled By: J.D. Spalding
C.O.C. No.:
Type of Sample:
[X] Low Concentration
[] High Concentration

SAMPLING DATA:

Date: 1-5-07 / Time: 1110	Color Visual	pH Standard	S.C. mS/cm	Temp. °C	Turbidity NTU	DO mg/l	TBD	TBD
Method: Sub/Low Flow	Clear	6.45	.100	27.12	2.1	.81	~~1040~~	

PURGE DATA:

Date: 1-5-07	Volume	pH	S.C.	Temp. (C)	Turbidity	DO	TBD	TBD
Method: Sub/Low Flow	120 ml/m	6.38	.102	23.57	4.5	1.72	1040	
Monitor Reading (ppm):		**See Low Flow Purge Data Sheet**						
Well Casing Diameter & Material		6.42	.099	25.97	6.9	1.10	1045	
Type: 2"/PVC		6.44	.100	27.06	3.4	.78	1050	
Total Well Depth (TD): 39.46		6.47	.101	26.93	2.2	.80	1055	
Static Water Level (WL): 30.3	120 ml/m	6.45	.100	27.12	2.1	.81	1110	≈ 31.65
One Casing Volume(gal/L):								
Start Purge (hrs): 1035								
End Purge (hrs):								
Total Purge Time (min):								
Total Vol. Purged (gal/L):								

SAMPLE COLLECTION INFORMATION:

Analysis	Preservative	Container Requirements	Collected
	#		

OBSERVATIONS / NOTES:

See Field Analytical Log Sheets for Geochemical Parameters (i.e. natural attenuation).

Circle if Applicable:

Signature(s):

Tetra Tech NUS, Inc.

GROUNDWATER SAMPLE LOG SHEET

Project Site Name: Seaboard
Project No.: 112600389

[ ] Domestic Well Data
[X] Monitoring Well Data
[ ] Other Well Type:
[ ] QA Sample Type:

Sample ID No.: OLSF4-MW-335-001
Sample Location: OLSF4-MW-335
Sampled By: S.D. Spalding
C.O.C. No.:
Type of Sample:
[X] Low Concentration
[ ] High Concentration

SAMPLING DATA:

Date: / Time:	Color Visual	pH Standard	S.C. mS/cm	Temp. °C	Turbidity NTU	DO mg/l	TBD	TBD
Method:								

PURGE DATA:

Date: 1-4-07	Volume	pH	S.C.	Temp. (C)	Turbidity	DO	TBD	TBD
Method: Sub/Low Flow		6.23	.079	23.54	80.2	6.54	1545	
Monitor Reading (ppm):		See Low Flow Purge Data Sheet					1555	
Well Casing Diameter & Material		6.18	.078	26.32	12	5.02		
Type: 2" PVC		6.28	.082	27.46	8.5	4.22		
Total Well Depth (TD): 39.75								
Static Water Level (WL): 29.35								
One Casing Volume(gal/L):								
Start Purge (hrs):								
End Purge (hrs):								
Total Purge Time (min):								
Total Vol. Purged (gal/L):								

SAMPLE COLLECTION INFORMATION:

Analysis	Preservative	Container Requirements	Collected

OBSERVATIONS / NOTES:

See Field Analytical Log Sheets for Geochemical Parameters (i.e. natural attenuation).

Circle if Applicable:

Signature(s):

Tetra Tech NUS, Inc.

GROUNDWATER SAMPLE LOG SHEET

Page ___ of ___

Project Site Name: Saufley Site 4
Project No.: 112G00389

[] Domestic Well Data
[] Monitoring Well Data
[] Other Well Type:
[] QA Sample Type:

Sample ID No.: OLF54-MW345-001
Sample Location: MW345
Sampled By: C. Dow
C.O.C. No.:
Type of Sample:
[] Low Concentration
[] High Concentration

SAMPLING DATA:

Date: 1-8-07	Color (Visual)	pH (S.U.)	S.C. (mS/cm)	Temp. (°C)	Turbidity (NTU)	DO (mg/l)	Salinity (%)	Other
Time: 1015								
Method: low flow	clear	6.77	.126	26.43	16	1.15		

PURGE DATA:

Date: 1-8-07	~~Color~~ Volume	pH	S.C.	Temp.	Turbidity	DO	~~Salinity~~	~~Other~~
Method: low flow	1.0	6.56	.135	23.60	100	1.14	0945	32.11
Monitor Reading (ppm): 10.0	2.0	6.74	.134	24.35	100	1.29	0950	32.17
Well Casing Diameter & Material	3.0	6.76	.127	25.83	22	1.28	0955	32.17
Type: 2.0" PVC	4.0	6.76	.126	25.88	14	1.17	100	32.17
Total Well Depth (TD): 39.60	5.0	6.77	.126	26.43	16	1.15	1005	32.17
Static Water Level (WL): 31.41								
One Casing Volume(gal): 5.0L								
Start Purge (hrs): 0940								
End Purge (hrs): 1005								
Total Purge Time (min): 25								
Total Vol. Purged (gal): 5.0								

SAMPLE COLLECTION INFORMATION:

Analysis	Preservative	Container Requirements	Collected
8270 PAH	4°C	2 1L Amber	Y
8270 SVOC	4°C	2 1L Amber	
8082 PCB	4°C	1 1L Amber	
~~8015~~ FL-PRO	4°C	2 1L Amber	
6010/7470 TAL metals	HNO3	1 250 mL plastic	
9012 Cyanide	NaOH	1 250mL plastic	
8011 EDB	HCl	3 40 mL glass	
8260B VOC	HCl	3 40 mL glass	

OBSERVATIONS / NOTES:

purge rate = 200mL/min

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

GROUNDWATER SAMPLE LOG SHEET

Project Site Name: Saufley Site 4 PI
Project No.: 112G00385

Sample ID No.: OLF54-MW035-001
Sample Location: MW035
Sampled By: C. Dan
C.O.C. No.: 2813

[] Domestic Well Data
[] Monitoring Well Data
[] Other Well Type:
[] QA Sample Type:

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

SAMPLING DATA:

Date: 12-6-06	Color	pH	S.C.	Temp.	Turbidity	DO	TBD	TBD
Time: 1709	Visual	Standard	mS/cm	°C	NTU	mg/l		
Method: Submersible								

PURGE DATA:

Date: 12-6-06	Volume(L)	pH	S.C.	Temp. (C)	Turbidity	DO	~~TBD~~	~~TBD~~
Method: Submersible	2.0	5.48	13	24.2	140	2.99	1424	48.13
Monitor Reading (ppm): 0.0		**See Low Flow Purge Data Sheet**						
Well Casing Diameter & Material	6.0	5.61	13	25.2	72	2.54	1434	48.55
Type: 2.0" PVC	10.0	5.67	13	25.2	52	2.41	1444	48.62
Total Well Depth (TD): 60	14.0	5.72	13	25.3	49	2.21	1454	48.48
Static Water Level (WL): 46.56	18.0	5.71	13	24.8	48	2.23	1504	48.08
One Casing Volume(gal/L):	22.0	5.58	13	26.5	47	2.07	1514	48.63
Start Purge (hrs): ~~1419~~ 1419	34.0	5.53	14	25.4	66	2.10	1544	51.24
End Purge (hrs): 1647	58.0	5.18	13	25.4	19	3.12	1644	Pump Stopped 1655
Total Purge Time (min): ~~150~~	59.0	5.18	13	25.3	19	3.14	1649	11
Total Vol. Purged (gal/L): 60								

SAMPLE COLLECTION INFORMATION:

Analysis	Preservative	Container Requirements	Collected
8270 Low Conc	4°C	2 x 1L	Y
SVOC 8270	4°C	2 x 1L	Y
PCB 8082	4°C	1 x 1L	Y
FL-PRO	4°C	2 x 1L	Y
TAL metals 6010/7470	HNO_3	1 x 250mL Plastic	Y
Cyanide 9012	NaOH	1 x 250mL Plastic	Y
~~VOA~~ 8011 MEE	HCl	3 x 40mL vials	Y

OBSERVATIONS / NOTES:

See Field Analytical Log Sheets for Geochemical Parameters (i.e. natural attenuation).
flow rate = 400 mL/min
Lowest possible

Circle if Applicable: MS/MSD

Signature(s): C. Dan

Tetra Tech NUS, Inc.

GROUNDWATER SAMPLE LOG SHEET

Project Site Name: Sanford Field CTO 29
Project No.: 1126 00 389

Sample ID No.: OLSF4-MW-365-0107 ID
Sample Location: OLSF4-MW-365
Sampled By: J.D. Spalding
C.O.C. No.:

[ ] Domestic Well Data
[X] Monitoring Well Data
[ ] Other Well Type:
[ ] QA Sample Type:

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

SAMPLING DATA:

Date: 1-8-07 / Time: 1035	Color Visual	pH Standard	S.C. mS/cm	Temp. °C	Turbidity NTU	DO mg/l	TBD	TBD
Method: Sub/Low Flow	Clear	6.19	0.096	28.96	12.8	4.18		▽31.19

PURGE DATA:

Date: 1-8-07	Volume	pH	S.C.	Temp. (C)	Turbidity	DO	TBD	TBD
Method: Sub/Low Flow	150 mL/m	6.08	0.098	83.07	94.2	5.56	0935	
Monitor Reading (ppm):		**See Low Flow Purge Data Sheet**						
Well Casing Diameter & Material	150 mL/m	6.14	0.097	24.30	90.4	5.70	0950	30.24 ▽
Type: 2" / PVC	150 mL/m	6.13	0.096	27.51	51.8	5.38	1000	30.37 ▽
Total Well Depth (TD): 36.12	150 mL/m	6.17	0.098	28.81	54.7	4.80	1010	30.58 ▽
Static Water Level (WL): 29.41	150 mL/m	6.17	0.098	28.16	33.8	4.34	1020	30.62 ▽
One Casing Volume(gal/L):	200 mL/m	6.31	0.097	29.00	23.7	4.17	1030	▽31.20
Start Purge (hrs): 0935	200 mL/m	6.19	0.096	28.96	12.8	4.18	1035	▽31.19
End Purge (hrs):								
Total Purge Time (min):								
Total Vol. Purged (gal/L):								

SAMPLE COLLECTION INFORMATION:

Analysis	Preservative	Container Requirements	Collected

OBSERVATIONS / NOTES:

See Field Analytical Log Sheets for Geochemical Parameters (i.e. natural attenuation).

Circle if Applicable:

Signature(s):

Tetra Tech NUS, Inc.

GROUNDWATER SAMPLE LOG SHEET

Project Site Name: Sanford CTO 29
Project No.: 112600389

[ ] Domestic Well Data
[X] Monitoring Well Data
[ ] Other Well Type:
[ ] QA Sample Type:

Sample ID No.: OLSF4-MW-365-001
Sample Location: OLSF4-MW-365
Sampled By: S.D. Spalding
C.O.C. No.:
Type of Sample:
[X] Low Concentration
[ ] High Concentration

SAMPLING DATA:

Date: 1-5-07 / Time: 1445	Color Visual	pH Standard	S.C. mS/cm	Temp. °C	Turbidity NTU	DO mg/l	TBD	TBD
Method: Sub/Low Flow	Clear	5.98	.141	26.78	4.38	1.95		

PURGE DATA:

Date: 1-5-07	Volume	pH	S.C.	Temp. (C)	Turbidity	DO	TBD	TBD
Method: Sub/Low Flow	125 ml/min	5.99	.139	23.22	61.7	3.55	1415	
Monitor Reading (ppm):		**See Low Flow Purge Data Sheet**						
Well Casing Diameter & Material	200 ml/min	5.99	.138	25.43	33.7	2.24	1430	-30.27
Type: 2" / PVC		5.99	.139	27.13	10.82	2.09	1435	-30.27
Total Well Depth (TD): 39.02		5.99	.140	26.68	7.19	2.00	1440	
Static Water Level (WL): 29.82	200 ml/min	5.98	.141	26.78	4.38	1.95	1445	-30.28
One Casing Volume(gal/L):								
Start Purge (hrs): 1415								
End Purge (hrs):								
Total Purge Time (min):								
Total Vol. Purged (gal/L):								

SAMPLE COLLECTION INFORMATION:

Analysis	Preservative	Container Requirements	Collected

OBSERVATIONS / NOTES:

See Field Analytical Log Sheets for Geochemical Parameters (i.e. natural attenuation).

Circle if Applicable:

Signature(s):

Tetra Tech NUS, Inc.

GROUNDWATER SAMPLE LOG SHEET

Page ___ of ___

Project Site Name: Saufley Field site 4
Project No.: 112G00389

Sample ID No.: DLSF4-MW-37
Sample Location:
Sampled By: C.O.
C.O.C. No.:

☐ Domestic Well Data
☒ Monitoring Well Data
☐ Other Well Type:
☐ QA Sample Type:

Type of Sample:
☐ Low Concentration
☐ High Concentration

Date: 6/12/07	Color	pH	S.C.	Temp.	Turbidity	DO	ORP	Other
Time: 1600	(Visual)	(S.U.)	(mS/cm)	(°C)	(NTU)	(mg/l)	(mV)	
Method:		5.41	0.080	25.47	11.3	6.63	58.3	

Date: 6/12/07	Volume(L)	pH	S.C.	Temp.	Turbidity	DO	ORP	Other time
Method: Submersible Monsoon		5.49	0.079	26.66	off scale	6.75	59.7	1545
Pre-Purge Parameters (reqmt):	2.5L	5.45	0.082	26.23	50.2	6.95	57.5	1550
Well Casing Diameter & Material	5.0L	5.40	0.080	25.60	19.2	7.00	65.7	1555
Type: 2" PVC	7.5L	5.41	0.080	25.47	11.3	6.63	58.3	1600
Total Well Depth (TD):								
Static Water Level (WL):								
One Casing Volume(gal/L):								
Start Purge (hrs): 1545								
End Purge (hrs): 1600								
Total Purge Time (min): 15								
Total Vol. Purged (gal/L): 7.5L								

Analysis	Preservative	Container(s) Required	Comments

MS/MSD	Duplicate ID No.:	Signature(s):

Tetra Tech NUS, Inc.

GROUNDWATER SAMPLE LOG SHEET

Page of

Project Site Name: Site 4 Saufley
Project No.: 42600359

Sample ID No.: OL854-MW38-0607
Sample Location: MW38
Sampled By: C. Dolan
C.O.C. No.:

- [ ] Domestic Well Data
- [ ] Monitoring Well Data
- [ ] Other Well Type:
- [ ] QA Sample Type:

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

Date: 6-13-07	Color (Visual)	pH (S.U.)	S.C. (mS/cm)	Temp. (°C)	Turbidity (NTU)	DO (mg/L)	ORP (mV)	Time 1.5
Time: 1000								
Method: low flow								

Date: 6-12-07	Flow Volume	pH	S.C.	Temp.	Turbidity	DO	ORP	Time
Method: low-flow	2.0L	6.38	0.168	26.19	Stable	0.59	21.1	0855
Well Diameter (inch):	4.0L	6.26	0.162	26.13	"	1.04	-21.0	0905
Well Casing Diameter & Material	6.0L	6.16	0.160	26.30	25.5	1.49	-48.6	0915
Type: 2.0" PVC	10.0L	6.06	0.159	26.71	47.8	1.81	-74.6	0935
Total Well Depth (TD):	18.0L	6.04	0.158	26.62	25.0	1.79	-85.8	0940
Depth to Water Level (WL):	12.0L	5.96	0.156	26.44	23.5	2.08	-82.6	0945
One Casing Volume(gal/L):	17.0L	5.95	0.154	26.43	16.3	2.06	-83.2	0950
Start Purge (hrs): 0845	14.0L	5.95	0.155	26.46	9.19	2.09	-80.1	0955
End Purge (hrs): 0955								
Total Purge Time (min): 70								
Total Vol. Purged (gal/L): @ 14.0L								

Analysis	Preservative	Container Requirements	Collected
VOA	HCl	3 40mL glass vial	Y
EDB	Sodium Thio	3 40mL glass vial	Y
SVOA	—	2 1 liter Amber	Y
RBS	—	2 1 liter Amber	Y
PAH	—	2 1 liter Amber	Y
TPH	HCl	2 1 L Amber	Y
metals	HNO3	1 500mL poly	Y

flow rate = 200mL/min

MS/MSD | Duplicate ID No.:

Comments:

Tetra Tech NUS, Inc.

GROUNDWATER SAMPLE LOG SHEET

Page of

Project Site Name: Saufley Field site 4
Project No.: 113G00389

Sample ID No.: DLSF4-MW-39
Sample Location:
Sampled By: J.H.
C.O.C. No.:

- ☐ Domestic Well Data
- ☒ Monitoring Well Data
- ☐ Other Well Type:
- ☐ QA Sample Type:

Type of Sample:
- ☐ Low Concentration
- ☐ High Concentration

Date: 6/12/07	Color	pH	S.C.	Temp.	Turbidity	DO	ORP	Other
Time: 1635	(Visual)	(S.U.)	(mS/cm)	(°C)	(NTU)	(mg/l)	(mV)	
Method		5.99	0.110	28.15	20	2.32	106.2	

Date: 6/12/07	Volume	pH	S.C.	Temp.	Turbidity	DO	ORP	Other:
Method: Submersible Monsoon								1540
Monitor Reading (ppm):	1.25L	6.04	0.115	28.21	850	2.55	102.6	1545
Well Casing Diameter & Material	4.00L	6.10	0.115	27.93	160	2.70	90.9	1600
Type: 2" PVC	7.75L	6.05	0.111	28.07	30	2.66	95.9	1615
Total Well Depth (TD):	11.50L	5.99	0.110	28.15	20	2.32	106.2	1630
Static Water Level (WL): 46.54								
One Casing Volume(gal/L):								
Start Purge (hrs): 1540								
End Purge (hrs): 1630								
Total Purge Time (min): 50								
Total Vol. Purged (gal/L): 11.5L								

Analysis	Preservative	Container Requirements	Collected

Remarks:

MS/MSD | Duplicate ID No.: | Equipment Blank ID No.:

Tetra Tech NUS, Inc.

GROUNDWATER SAMPLE LOG SHEET

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Project Site Name: Saufley Field site 4
Project No.: 112G00389

[] Domestic Well Data
[X] Monitoring Well Data
[] Other Well Type:
[] QA Sample Type:

Sample ID No.: 0LSF4-MW-40
Sample Location:
Sampled By: C. O.
C.O.C. No.:
Type of Sample:
[] Low Concentration
[] High Concentration

	Color (Visual)	pH (S.U.)	S.C. (mS/cm)	Temp. (°C)	Turbidity (NTU)	DO (mg/l)	ORP (mV)	Other
Date: 6/12/07								time
Time: 1100								
Method:		5.71	0.034	28.48	18.3		86.7	1100

Date: 6/12/07	Volume	pH	S.C.	Temp.	Turbidity	DO	ORP	Other
Method: Submersible Monsoon								1003
Monitor Reading (ppm):	6.0L	5.85	0.038	27.87	68.3		80.9	1033
Well Casing Diameter & Material	8.0L	5.78	0.036	29.10	24.9		83.5	1043
Type: 2" PVC	9.0L	5.73	0.034	28.25	20.3		85.4	1048
Total Well Depth (TD):	10.0L	5.71	0.034	28.48	18.3		86.7	1053
Static Water Level (WL): 48.64								
One Casing Volume(gal/L):								
Start Purge (hrs): 1003								
End Purge (hrs): 1053								
Total Purge Time (min): 50								
Total Vol. Purged (gal/L): 10.0L								

Analysis	Preservative	Container Requirements	Collected

Observations / Sampling Notes:

MS/MSD	Duplicate ID No.:	Signature(s):

Tetra Tech NUS, Inc.

GROUNDWATER SAMPLE LOG SHEET

Project Site Name: Saufley Field site 4
Project No.: 126 00389

Sample ID No.: OLSF4-MW-41-0607
Sample Location:
Sampled By: SAH
C.O.C. No.:
Type of Sample:
- [ ] Low Concentration
- [ ] High Concentration

- [ ] Domestic Well Data
- [x] Monitoring Well Data
- [ ] Other Well Type:
- [ ] QA Sample Type:

Date: 6/13/07 Time: 1055 Method:	Volume	Color (Visual)	pH (S.U.)	Conductivity (mS/cm)	Temp (°C)	Turbidity (NTU)	DO (mg/l)	ORP (mV)	Other
			5.78	0.058	27.53	16	0.63	-29.3	

Date: 6/13/07 Method: submersible Monsoon	Volume	pH	Conductivity	Temp	Turbidity	DO	ORP	Other time
Monitor Baseline from):	2.0L	6.12	0.108	27.39	280	0.85	7.4	0830
Well Casing Diameter & Material	4.0L	6.09	0.106	27.51	230	0.79	5.2	0840
Type: 2" PVC	6.0L	5.97	0.092	27.47	80	0.56	-10.6	0900
Total Well Depth (TD):	9.0L	5.92	0.074	27.46	95	0.61	-23.6	0915
Static Water Level (WL): 42.89	12.0L	5.85	0.064	27.66	36	0.46	-10.1	0930
One Casing Volume(gal/L):	13.0L	5.82	0.061	27.50	33	0.51	-26.3	0940
Start Purge (hrs): 0830	16.0L	5.83	0.062	27.88	45	0.47	-30.6	0955
End Purge (hrs): 1054	22.0L	5.81	0.058	28.05	29	0.43	-45.0	1025
Total Purge Time (min): 2 hr 24 min	26.0L	5.79	0.056	27.91	19	0.42	-37.2	1045
Total Vol. Purged (gal/L): 26.0L		5.78	0.058	27.53	16	0.63	-29.3	1054

Analysis	Preservative	Container Size/Type	Collected

200mL/min = flow rate
0.2L/min = " "

200 ml/min

MS/MSD	Duplicate ID No.:	Signature

Tetra Tech NUS, Inc.

GROUNDWATER SAMPLE LOG SHEET

Page of

Project Site Name: Scufley Field site 4
Project No.: 112600389

Sample ID No.: OLFS4-MW-42-0607
Sample Location:
Sampled By: SHA
C.O.C. No.:
Type of Sample:
- [ ] Low Concentration
- [ ] High Concentration

- [ ] Domestic Well Data
- [x] Monitoring Well Data
- [ ] Other Well Type:
- [ ] QA Sample Type:

Date: 6/14/07 Time: 1029 Method:	Color (Visual)	pH (S.U.)	S.C. (mS/cm)	Temp. (°C)	Turbidity (NTU)	DO (mg/L)	ORP (mV)	Other
Date: 6/14/07 Method: submersible Masson	Volume	pH	S.C.	Temp.	Turbidity	DO	ORP	Other time
	3.0L	6.00	0.101	24.24	19	5.35	227.3	1010
Well Casing Diameter & Material	4.5L	5.99	0.101	24.26	18	5.20	221.9	1015
Type: 2" PVC	6.0L	5.98	0.100	24.08	12	5.43	220.9	1020
Total Well Depth (TD):								
Static Water Level (WL):								
One Casing Volume(gal/L):								
Start Purge (hrs): 1000								
End Purge (hrs):								
Total Purge Time (min):								
Total Vol. Purged (gal/L):								

Analysis	Preservative	Container Requirements	Collected

0.150 mL/30 sec
0.3 L/min

MS/MSD | Duplicate ID No.: | Signature(s):

Tetra Tech NUS, Inc.

GROUNDWATER SAMPLE LOG SHEET

Page ___ of ___

Project Site Name: Sauffley Field 4
Project No.: 112G-00389

Sample ID No.: OLF34-MW-43-0607
Sample Location: MW43
Sampled By: C. Oden
C.O.C. No.:

- [ ] Domestic Well Data
- [x] Monitoring Well Data
- [ ] Other Well Type:
- [ ] QA Sample Type:

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

Date: 6-19-07	Color (Visual)	pH (S.U.)	Cond. (mS/cm)	Temp. (°C)	Turbidity (NTU)	DO (mg/L)	ORP (mV)	Other [illegible]
Time:								
Method: Low Flow								

Date: 6-19-07	Volume	pH	Cond.	Temp.	Turbidity	DO	ORP	Other
Method: Low Flow	1.5	6.25	0.395	24.65	28.0	0.23	-94.0	1005
Water Depth (feet):	3.0	6.22	0.373	24.79	9.14	0.18	-121	1010
Well Casing Diameter & Material	4.5	6.21	0.378	24.77	8.27	0.19	-122.2	1015
Type: 2.0" PVC	6.0	6.21	0.374	24.76	6.52	0.16	-122.9	1025
Total Well Depth (TD):								
Static Water Level (WL):								
One Casing Volume(gal/L):								
Start Purge (hrs): 1000								
End Purge (hrs):								
Total Purge Time (min):								
Total Vol. Purged (gal/L):								

Analysis	Preservative	Container Requirements	Collected
VOAs	HCl	3x 40 mL vials	Y
SVOAs	—	2x 1L Amber	Y
E.DB	$Na_2S_2O_3$	2x 40mL vial	Y
TRPH	HCl	2x 1L Amber	Y
Metals	HNO3	1x 500mL Poly	Y
PAH	—	2x 1L Amber	Y
PCB	—	2x 1L Amber	Y

flow rate = 300 mL/min

MS/MSD	Duplicate ID No.:	Signature(s): C. Oden

Tetra Tech NUS, Inc.

GROUNDWATER SAMPLE LOG SHEET

Page ___ of ___

Project Site Name: Sayreville Landfill Site & RI
Project No.: 112660389

Sample ID No.: OLF54-MW44-060707
Sample Location: MW44
Sampled By: C. Dolan
C.O.C. No.:
Type of Sample:
[] Low Concentration
[] High Concentration

[] Domestic Well Data
[] Monitoring Well Data
[] Other Well Type:
[] QA Sample Type:

Date: 6-7-07	Color	pH	S.C.	Temp.	Turbidity	DO	ORP	Other
time 1720								
method: low flow								

Grab	Volume	pH	S.C.	Temp.	Turbidity	DO	ORP	Other
method low flow	3.0L	6.32	0.349	25.89	105	0.21	-20.5	1650
Monitor Reading (ppm):	6.0L	6.32	0.350	25.89	28.5	0.19	-20.6	1700
Well Casing Diameter & Material:	7.5	6.30	0.339	24.76	8.15	0.13	-14.4	1705
2.0" PVC	9.0L	6.29	0.337	24.72	6.17	0.13	-19.6	1710
Total Well Depth (TD):	10.5	6.30	0.378	24.28	5.33	0.14	-17.7	1715
Static Water Level (WL): 32.26								
One Casing Volume(gal/L):								
Start Purge (hrs): 1640								
End Purge (hrs): 1715								
Total Purge Time (min): 35								
Total Vol. Purged (gal/L): 10.5L								

Analysis	Preservative	Container Requirements	Quantity
VOAs	HCl	3x40 mL vial	4
TRPH	HCl	2x1L Amber	4
EDB	$Na_2S_2O_3$	2x40 mL vial	4
SVOAs	—	2x1L Amber	4
PCBs	—	2x1L Amber	4
PAHs	—	2x1L Amber	4
metals	HNO_3	1x500mL poly	4

flow rate = 300mL/min

MS/MSD | Duplicate ID No.: | Signature:

06-12-2007 09:52 From 8504523188 Page2

Tetra Tech NUS, Inc.

GROUNDWATER SAMPLE LOG SHEET

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Project Site Name: Saufley Field site 4
Project No.: 112600389

Sample ID No.: OLSF4-MW-45-0607
Sample Location:
Sampled By: J NH
C.O.C. No.:
Type of Sample:
- ☐ Low Concentration
- ☐ High Concentration

- ☐ Domestic Well Data
- ☒ Monitoring Well Data
- ☐ Other Well Type:
- ☐ QA Sample Type:

Date: 6/13/07 Time: 1445 Method:	Color (Visual)	pH (S.U.)	S.C. (mS/cm)	Temp (°C)	Turbidity (NTU)	DO (mg/l)	ORP (mV)	Other
Date: 6/13/07	Volume	pH	S.C.	Temp	Turbidity	DO	ORP	Other Time
Grundfos Submersible Measurement		6.49	0.739	26.50	450	0.46	93.9	1350
Water Reading from:	3.0 L	6.51	0.643	26.03	500	0.40	78.2	1405
Well Casing Diameter & Material	6.0 L	6.50	0.669	26.25	60	0.44	93.2	1420
Type: 2" PVC	8.0 L	6.46	0.678	26.21	21	0.44	75.5	1430
Total Well Depth (TD):	9.0 L	6.41	0.689	26.13	15	0.42	87.0	1435
Static Water Level (WL): 34.12'	10.0 L	6.47	0.705	26.62	11	0.39	86.3	1440
One Casing Volume(gal/L):								
Start Purge (hrs): 1350								
End Purge (hrs):								
Total Purge Time (min):								
Total Vol. Purged (gal/L):								

Analysis	Preservative	Container Requirement	Container

100 mL/30 sec
200 mL/min
0.2 L/min
} flow rate

Signature(s):

MS/MSD	Duplicate ID No.:

Tetra Tech NUS, Inc.

GROUNDWATER SAMPLE LOG SHEET

Page ___ of ___

Project Site Name: Sanford Field Site 9
Project No.: 126603B9

Sample ID No.: OL-FS9-MW46-060907
Sample Location: MW46
Sampled By: C. Dolan
C.O.C. No.:

- [ ] Domestic Well Data
- [ ] Monitoring Well Data
- [ ] Other Well Type:
- [ ] QA Sample Type:

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

Date: 6-7-07	Color (Visual)	pH (S.U.)	S.C. (mS/cm)	Temp. (°C)	Turbidity (NTU)	DO (mg/l)	ORP (mV)	Other N/A
Time: 1430								
Method: low flow								

Date: 6-8-07	Volume	pH	S.C.	Temp.	Turbidity	DO	ORP	Other
Method: low flow	3.0	6.94	0.832	25.59	261	0.74	50.5	1345
Monitor Reading (ppm):	6.0	7.21	0.706	25.94	59.4	0.41	-35.9	1355
Well Casing Diameter & Material	7.5	7.16	0.716	25.71	39.6	0.34	-37.9	1400
Type: 2.0" PVC	9.0	7.11	0.731	26.23	306	0.34	-45.0	1405
Total Well Depth (TD):	10.5	7.03	0.747	25.89	245	0.31	-52.0	1410
Static Water Level (WL): 3.95	12.0	7.01	0.749	25.83	208	0.29	-53.6	1415
One Casing Volume(gal/L):	13.5	6.98	0.751	25.85	168	0.29	-53.6	H2O
Start Purge (hrs): 1335								
End Purge (hrs): 1420								
Total Purge Time (min): 45								
Total Vol. Purged (gal/L): 13.5								

Analysis	Preservative	Container Requirements	Collected
VOA	HCl	3 x 40 mL glass vial	Y
EDB	Na Thio	2 x 40 mL glass vial	Y
TRPH	HCl	2 x 1L Amber	Y
SVOAs	—	2 x 1L Amber	Y
PAHs	—	2 x 1L Amber	Y
PCBs	—	2 x 1L Amber	Y
Metals	HNO3	1 x 500mL poly	Y

flow rate = 300 mL/min

MS/MSD | Duplicate ID No.:

Signature:

Tetra Tech NUS, Inc.

BORING LOG

Page ___ of ___

PROJECT NAME: Saufley Site 4
PROJECT NUMBER: 112G00389
DRILLING COMPANY: M&W Drilling
DRILLING RIG: DPT

BORING No.: DLFSH-DPW24
DATE: 9-11-06
GEOLOGIST: ~~Gary J. Davis~~ C. Odem
DRILLER: Paul Duncan

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS*	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
	0-6'					brn	silty fine sand			0.0			
	6'-2'					brn	clayey silty fine sand w/clay pebbles			0.0			
	2'-4'					brn	silty fine sand			0.0			
	4'-6'					red	silty fine sand			0.0			
	6'-8'					red	silty fine sand			0.0			
	8'-10'					red	silty fine sand			0.0			
	10'-12'					red	clayey silty fine sand			0.0			
	12'-14'					red	clayey silty fine sand						
	14'-16'					red	clayey silty fine sand			0.0			
	16'-18'					red	silty fine sand						
	18'-20'					pink	silty fine sand			0.0			
	20'-22'					pink	silty fine sand						
	22-24'					pink	silty fine sand			0.0			
	24'-26'					red	silty fine sand			0.0			
	26'-28'					gray	fine sand		wet				
	28-30'					white	fine sand		wet petrol smell				
	30-32					pink	silty fine sand		wet petrol smell				
	32-34					white	fine sand		wet petrol smell				
	34-36					white	fine sand		wet petrol smell				

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Remarks: Sample 24-26

Drilling Area Background (ppm): ____

Converted to Well: Yes ____ No ____ Well I.D. #: ____

Tetra Tech NUS, Inc.

GROUNDWATER SAMPLE LOG SHEET

Project Site Name: Saufley Site 4
Project No.: 112G00389

[] Domestic Well Data
[] Monitoring Well Data
[X] Other Well Type: DPT Screen Point
[] QA Sample Type:

Sample ID No.: OLFS4-DPW1-653-55
Sample Location: DPW1
Sampled By: Gary J. Davis
C.O.C. No.: JO 2807
Type of Sample:
[X] Low Concentration
[] High Concentration

SAMPLING DATA:

Date: 9-8-06 / Time: 1530 / Method: Grab	Color (Visual)	pH (S.U.)	S.C. (mS/cm)	Temp. (°C)	Turbidity (NTU)	DO (mg/l)	Salinity (%)	Other

PURGE DATA:

Date:	Volume	pH	S.C.	Temp.	Turbidity	DO	Salinity	Other
Method:								
Monitor Reading (ppm):								
Well Casing Diameter & Material								
Type:								
Total Well Depth (TD):								
Static Water Level (WL):								
One Casing Volume(gal/L):								
Start Purge (hrs):								
End Purge (hrs):								
Total Purge Time (min):								
Total Vol. Purged (gal/L):								

SAMPLE COLLECTION INFORMATION:

Analysis	Preservative	Container Requirements	Collected
TCL VOCs & App IX	HCL	3-40ml VOAs	✓

OBSERVATIONS / NOTES:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s): Gary J. Davis

Tetra Tech NUS, Inc.

GROUNDWATER SAMPLE LOG SHEET

Project Site Name: Saufley Site 4
Project No.: 112G00389

[] Domestic Well Data
[] Monitoring Well Data
[X] Other Well Type: DPT Screen Point
[] QA Sample Type:

Sample ID No.: OLFSA-DPW3-G53-55
Sample Location: DPW3
Sampled By: Gary J. Davis
C.O.C. No.: 28054
Type of Sample:
[] Low Concentration
[] High Concentration

SAMPLING DATA:

Date: 9-9-06 / Time: 1215 / Method: GRAB	Color (Visual)	pH (S.U.)	S.C. (mS/cm)	Temp. (°C)	Turbidity (NTU)	DO (mg/l)	Salinity (%)	Other

PURGE DATA:

Date:	Volume	pH	S.C.	Temp.	Turbidity	DO	Salinity	Other
Method:								
Monitor Reading (ppm):								
Well Casing Diameter & Material								
Type:								
Total Well Depth (TD):								
Static Water Level (WL):								
One Casing Volume(gal/L):								
Start Purge (hrs):								
End Purge (hrs):								
Total Purge Time (min):								
Total Vol. Purged (gal/L):								

SAMPLE COLLECTION INFORMATION:

Analysis	Preservative	Container Requirements	Collected
TCL VOCs + App IX	HCL	3-40ml. VOAs	✓

OBSERVATIONS / NOTES:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s): Gary J. Davis

Tetra Tech NUS, Inc.

GROUNDWATER SAMPLE LOG SHEET

Project Site Name: Saufley Site 4
Project No.: 112G00389

[] Domestic Well Data
[] Monitoring Well Data
[X] Other Well Type: DPT Screen Point
[] QA Sample Type:

Sample ID No.: OLFS4-DPW5-G 53-55
Sample Location: DPW 5
Sampled By: Gary J. Davis
C.O.C. No.: 2808
Type of Sample:
[X] Low Concentration
[] High Concentration

SAMPLING DATA:

Date: 9-9-06 / Time: 1755 / Method: Grab	Color (Visual)	pH (S.U.)	S.C. (mS/cm)	Temp. (°C)	Turbidity (NTU)	DO (mg/l)	Salinity (%)	Other

PURGE DATA:

Date:	Volume	pH	S.C.	Temp.	Turbidity	DO	Salinity	Other
Method:								
Monitor Reading (ppm):								
Well Casing Diameter & Material Type:								
Total Well Depth (TD):								
Static Water Level (WL):								
One Casing Volume(gal/L):								
Start Purge (hrs):								
End Purge (hrs):								
Total Purge Time (min):								
Total Vol. Purged (gal/L):								

SAMPLE COLLECTION INFORMATION:

Analysis	Preservative	Container Requirements	Collected
TCL Vocs + App IX	HCL	3- 40ml Vocs	✓

OBSERVATIONS / NOTES:

Circle if Applicable:

MS/MSD | Duplicate ID No.:

Signature(s): Gary J. Davis

Tetra Tech NUS, Inc.

GROUNDWATER SAMPLE LOG SHEET

Project Site Name: Saufley Site 4
Project No.: 112G00389

[] Domestic Well Data
[] Monitoring Well Data
[X] Other Well Type: DPT Screen Point
[] QA Sample Type:

Sample ID No.: OLFS4-DPW7-G-53-55
Sample Location: DPW7
Sampled By: Gary J. Davis
C.O.C. No.: 1804
Type of Sample:
[X] Low Concentration
[] High Concentration

SAMPLING DATA:

Date: 9-11-06 / Time: 1500 / Method: Grab	Color (Visual)	pH (S.U.)	S.C. (mS/cm)	Temp. (°C)	Turbidity (NTU)	DO (mg/l)	Salinity (%)	Other

PURGE DATA:

Date: 9-11-06	Volume	pH	S.C.	Temp.	Turbidity	DO	Salinity	Other
Method:								
Monitor Reading (ppm):								
Well Casing Diameter & Material Type:								
Total Well Depth (TD):								
Static Water Level (WL):								
One Casing Volume(gal/L):								
Start Purge (hrs):								
End Purge (hrs):								
Total Purge Time (min):								
Total Vol. Purged (gal/L):								

SAMPLE COLLECTION INFORMATION:

Analysis	Preservative	Container Requirements	Collected
TCL VOCs + App IX	HCL	3-40ml VOAs	✓

OBSERVATIONS / NOTES:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s): Gary J. Davis

Tetra Tech NUS, Inc.

GROUNDWATER SAMPLE LOG SHEET

Project Site Name: Saufley Site 4
Project No.: 112G00389

[] Domestic Well Data
[] Monitoring Well Data
[X] Other Well Type: DPT Screen Point
[] QA Sample Type:

Sample ID No.: OLFSA-DPW9-G 5355
Sample Location: DPW9
Sampled By: Gary J. Davis
C.O.C. No.: 3808
Type of Sample:
[X] Low Concentration
[] High Concentration

SAMPLING DATA:

Date: 9-10-06 / Time: 1405 / Method: Grab	Color (Visual)	pH (S.U.)	S.C. (mS/cm)	Temp. (°C)	Turbidity (NTU)	DO (mg/l)	Salinity (%)	Other

PURGE DATA:

Date:	Volume	pH	S.C.	Temp.	Turbidity	DO	Salinity	Other
Method:								
Monitor Reading (ppm):								
Well Casing Diameter & Material								
Type:								
Total Well Depth (TD):								
Static Water Level (WL):								
One Casing Volume(gal/L):								
Start Purge (hrs):								
End Purge (hrs):								
Total Purge Time (min):								
Total Vol. Purged (gal/L):								

SAMPLE COLLECTION INFORMATION:

Analysis	Preservative	Container Requirements	Collected
TCL VOCs & App IX	HCL	3-40ml vials	✓

OBSERVATIONS / NOTES:

Circle if Applicable:
MS/MSD
Duplicate ID No.: OLFSA-DUP02-G

Signature(s): Gary J. Davis

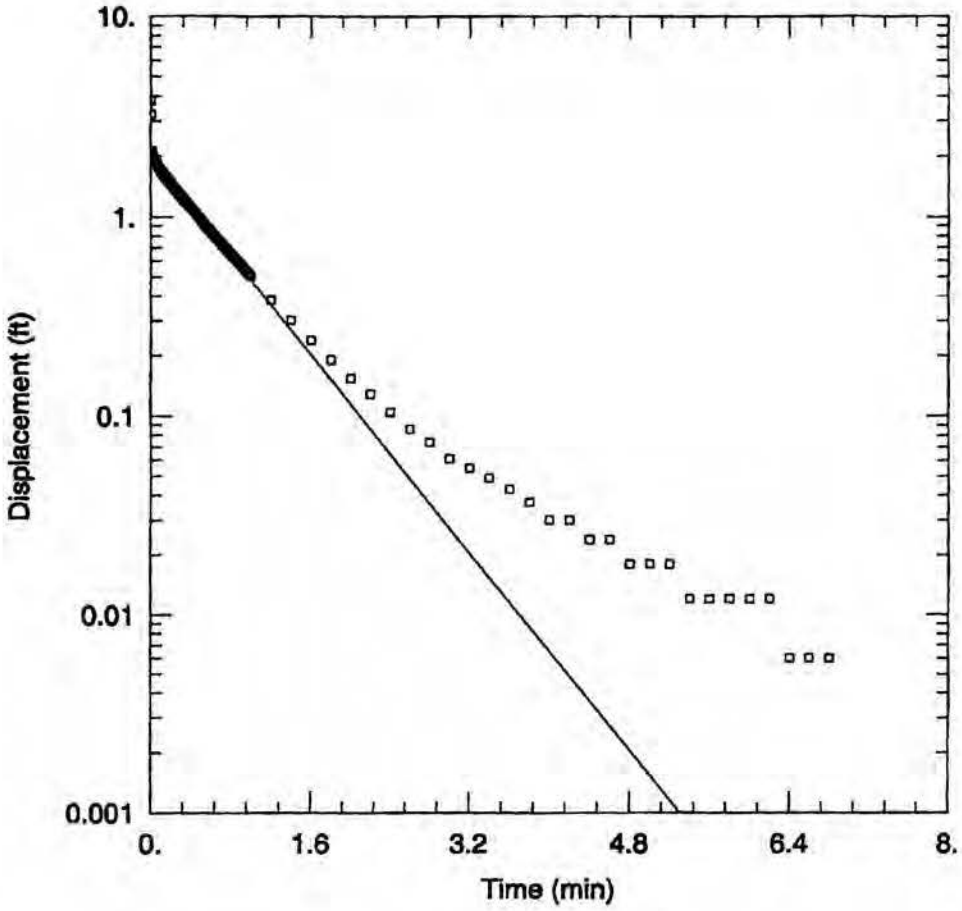
Site Information	
Site Name	UST 2406
Project	OLF SAUFLEY
Project Number	N 2042
Date	1/31/03
Personnel	W. D. Olson / M. AKers

Well Information	
Name	DMW-30
Inside Diameter	2"
Borehole Diameter	8"
Total Depth	81.70
Depth to Water	39.78
Water Column	41.92
Screen length	5
TOC Elevation	

Data Logger	
Model	SE 1000B
Serial Number	LKB -761
Test Rate	Log 4
Mode (TOC/SUR)	SUR / TOC / SUR
Level/Func.	Level

XD	
Model	PTX-161D
Serial Number	276708
Scale	19.512
Offset	-0.034
Linearity	NA
PSI	20

Test Data			
Test Number	T7	T8	T9
ID	30	30	30
Slug In/Out	IN	OUT	IN
XD depth	50'	50'	50'
XD install time	1055	1055	1055
XD reading	10.00	10.08	10.06
slug depth	~~35~~ 39.7	39.7	39.7
slug install time	1105	1108	1140
slug length	5'	5'	5'
slug diameter	1 1/4"	1 1/4"	1 1/4"
slug volume			
slug displacement			
reference setting	0.00	0.00	0.00
reference reading	10.06	10.08	10.07
start time	1108	1140	1140
initial displacement	2.471	3.85	2.736
end time	1118	1130	1150
final XD reading	10.07	10.06	10.08



WELL TEST ANALYSIS

Data Set: E:\NAVY\NASPEN~1\CTO274~1\FIELDD~1\SLUGTE~1\DMW30OU1.AQT
Date: 02/06/03 Time: 10:53:42

PROJECT INFORMATION

Company: Tetra tech NUS
Client: South Div
Project: N2642
Test Location: Bldg 2406 SFY
Test Well: DMW-30
Test Date: 1/31/03

AQUIFER DATA

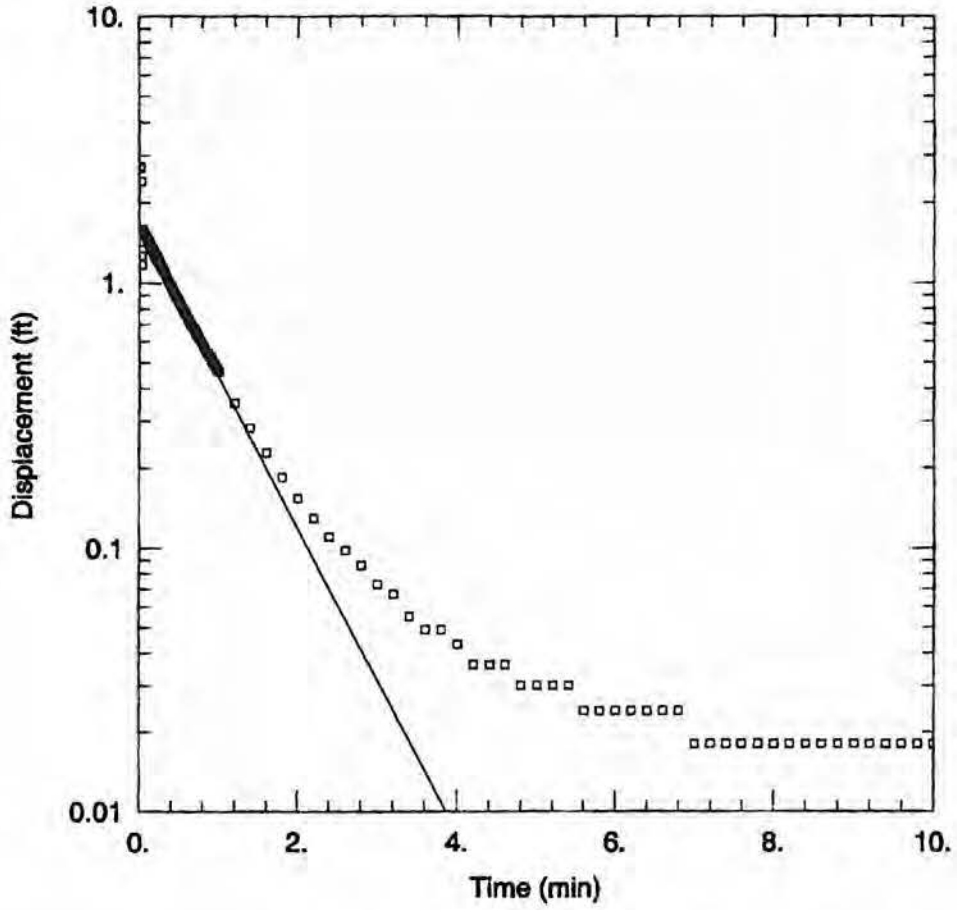
Saturated Thickness: 500. ft
Anisotropy Ratio (Kz/Kr): 0.1

WELL DATA

Initial Displacement: 3.833 ft
Water Column Height: 41.92 ft
Casing Radius: 0.0833 ft
Wellbore Radius: 0.3333 ft
Screen Length: 5. ft
Gravel Pack Porosity: 0.3

SOLUTION

Aquifer Model: Unconfined
K = 0.01778 ft/min
Solution Method: Bouwer-Rice
y0 = 2.015 ft



WELL TEST ANALYSIS

Data Set: E:\NAVY\NASPEN~1\CTO274~1\FIELDD~1\SLUGTE~1\DMW30IN2.AQT
Date: 02/06/03 Time: 10:47:30

PROJECT INFORMATION

Company: Tetra tech NUS
Client: South Div
Project: N2642
Test Location: Bldg 2406 SFY
Test Well: DMW-30
Test Date: 1/31/03

AQUIFER DATA

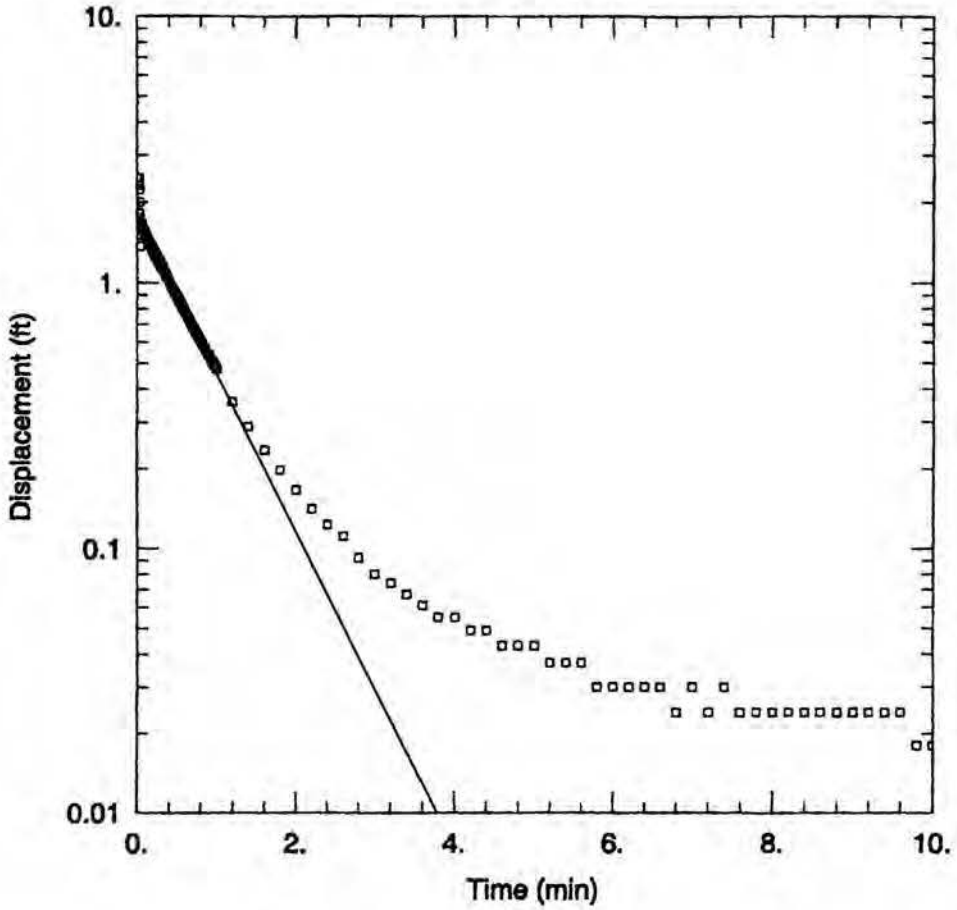
Saturated Thickness: 500. ft
Anisotropy Ratio (Kz/Kr): 0.1

WELL DATA

Initial Displacement: 2.736 ft
Water Column Height: 41.92 ft
Casing Radius: 0.0833 ft
Wellbore Radius: 0.3333 ft
Screen Length: 5. ft
Gravel Pack Porosity: 0.3

SOLUTION

Aquifer Model: Unconfined
K = 0.01635 ft/min
Solution Method: Bouwer-Rice
y0 = 1.647 ft



WELL TEST ANALYSIS

Data Set: E:\NAVY\NASPEN~1\CTO274~1\FIELDD~1\SLUGTE~1\DMW30IN1.AQT
Date: 02/06/03 Time: 10:39:49

PROJECT INFORMATION

Company: Tetra tech NUS
Client: South Div
Project: N2642
Test Location: Bldg 2406 SFY
Test Well: DMW-30
Test Date: 1/31/03

AQUIFER DATA

Saturated Thickness: 500. ft
Anisotropy Ratio (Kz/Kr): 0.1

WELL DATA

Initial Displacement: 2.471 ft
Water Column Height: 41.92 ft
Casing Radius: 0.0833 ft
Wellbore Radius: 0.3333 ft
Screen Length: 5. ft
Gravel Pack Porosity: 0.3

SOLUTION

Aquifer Model: Unconfined
K = 0.01694 ft/min
Solution Method: Bouwer-Rice
y0 = 1.777 ft

Site Information	
Site Name	UST 2406
Project	Sanford
Project Number	N
Date	N2642
Personnel	1/31/03
	W.D. Olson / M. Akers

Well Information	
Name	DMW-31
Inside Diameter	2"
Borehole Diameter	8" ?
Total Depth	79.29
Depth to Water	28.36
Water Column	50.93
Screen length	5'
TOC Elevation	

Data Logger	
Model	SE 1000B
Serial Number	1KB-761
Test Rate	Log 1
Mode (TOC/SUR)	SUR / TOC SUR
Level/Func.	Level

XD	
Model	PTX-161D
Serial Number	276708
Scale	19.512
Offset	-0.034
Linearity	NA
PSI	20

Test Data			
Test Number	T4	T5	T6
ID	31	31	31
Slug In/Out	IN	OUT	IN
XD depth	50'	50'	50'
XD install time	0907	0907	0907
XD reading	21.30		
slug depth	33.4	33.4	33.4
slug install time	0920	0940	
slug length	5'	5'	5'
slug diameter	1¼"	1¼"	1¼"
slug volume			
slug displacement			
reference setting	0.00	0.00	0.00
reference reading	21.20 21.07	21.08	21.08
start time	0940	1004	1035
initial displacement	2.724	4.814	2.88
end time	1000	1044	1047
final XD reading	20 21.07	1044 21.03	21.16

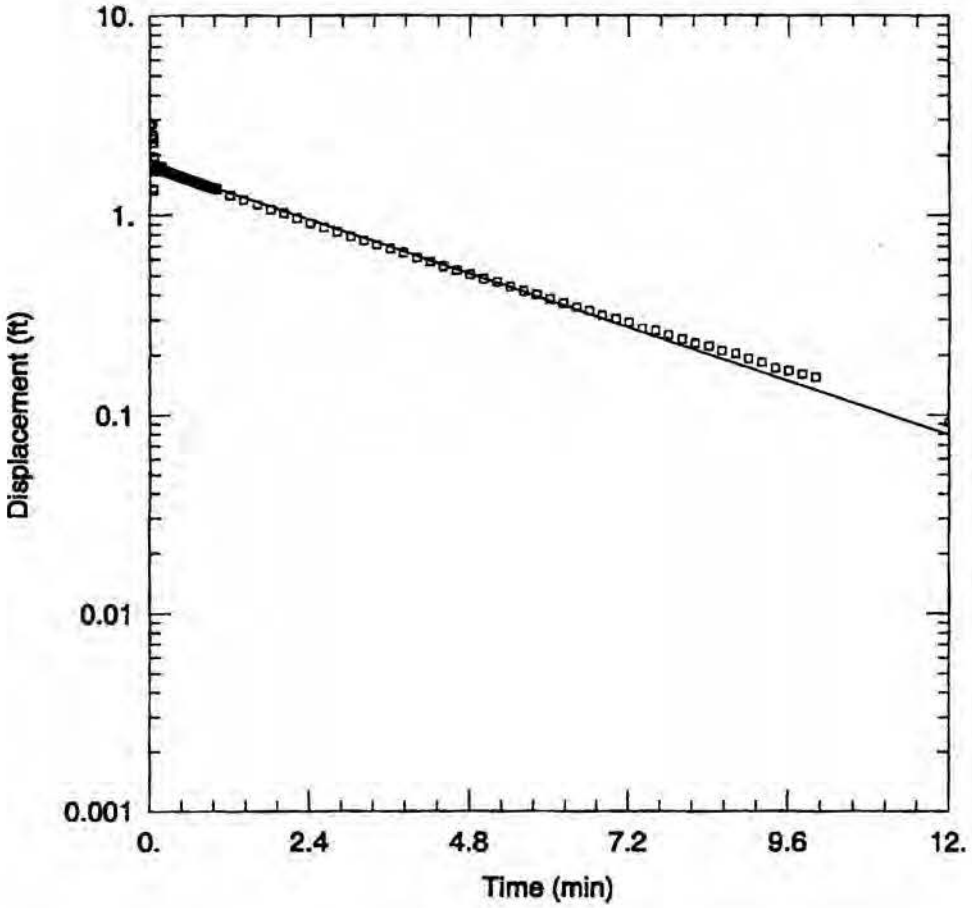
Site Information	
Site Name	UST 2406
Project	Sanford
Project Number	N
Date	N2642
Personnel	1/31/03
	W.D. Olson / M. Akers

Well Information	
Name	DMW-31
Inside Diameter	2"
Borehole Diameter	8" ?
Total Depth	79.29
Depth to Water	28.36
Water Column	50.93
Screen length	5'
TOC Elevation	

Data Logger	
Model	SE 1000B
Serial Number	1KB-761
Test Rate	Log 1
Mode (TOC/SUR)	SUR/TOC/SUR
Level/Func.	Level

XD	
Model	PTX-161D
Serial Number	276708
Scale	19.512
Offset	-0.034
Linearity	NA
PSI	20

Test Data			
Test Number	T4	T5	T6
ID	31	31	31
Slug In/Out	IN	OUT	IN
XD depth	50'	50'	50'
XD install time	0907	0907	0907
XD reading	21.30		
slug depth	33.4	33.4	33.4
slug install time	0920	0940	
slug length	5'	5'	5'
slug diameter	1¼"	1¼"	1¼"
slug volume			
slug displacement			
reference setting	0.00	0.00	0.00
reference reading	~~21.20~~ 21.07	21.08	21.08
start time	0940	1004	1035
initial displacement	2.724	4.814	2.981
end time	1000	1024	1047
final XD reading	~~20~~ 21.07	~~1024~~ 21.03	21.16



WELL TEST ANALYSIS

Data Set: E:\NAVY\NASPEN~1\CTO274~1\FIELDD~1\SLUGTE~1\DMW31IN2.AQT
Date: 02/06/03 Time: 11:09:27

PROJECT INFORMATION

Company: Tetra tech NUS
Client: South Div
Project: N2642
Test Location: Bldg 2406 SFY
Test Well: DMW-30
Test Date: 1/31/03

AQUIFER DATA

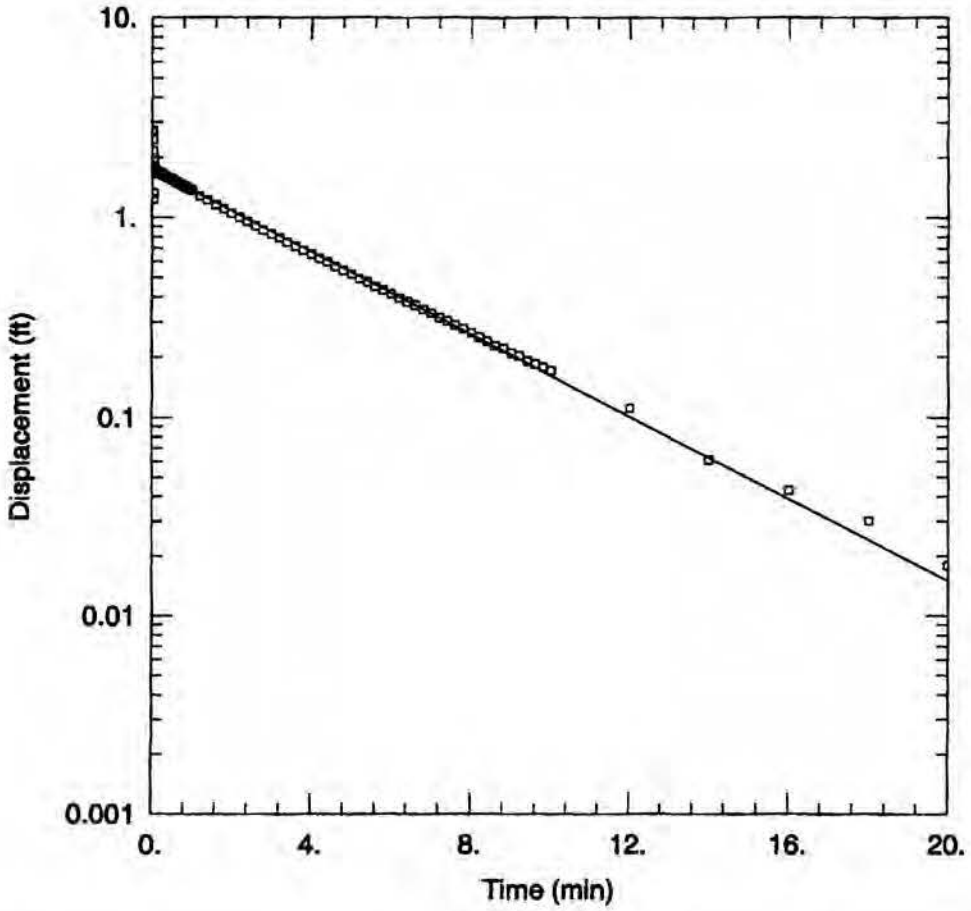
Saturated Thickness: 500. ft
Anisotropy Ratio (Kz/Kr): 0.1

WELL DATA

Initial Displacement: 2.86 ft
Water Column Height: 50.93 ft
Casing Radius: 0.0833 ft
Wellbore Radius: 0.3333 ft
Screen Length: 5. ft
Gravel Pack Porosity: 0.3

SOLUTION

Aquifer Model: Unconfined
K = 0.003258 ft/min
Solution Method: Bouwer-Rice
y0 = 1.752 ft



WELL TEST ANALYSIS

Data Set: E:\NAVY\NASPEN~1\CTO274~1\FIELDD~1\SLUGTE~1\DMW31IN1.AQT
Date: 02/06/03 Time: 11:00:51

PROJECT INFORMATION

Company: Tetra tech NUS
Client: South Div
Project: N2642
Test Location: Bldg 2406 SFY
Test Well: DMW-30
Test Date: 1/31/03

AQUIFER DATA

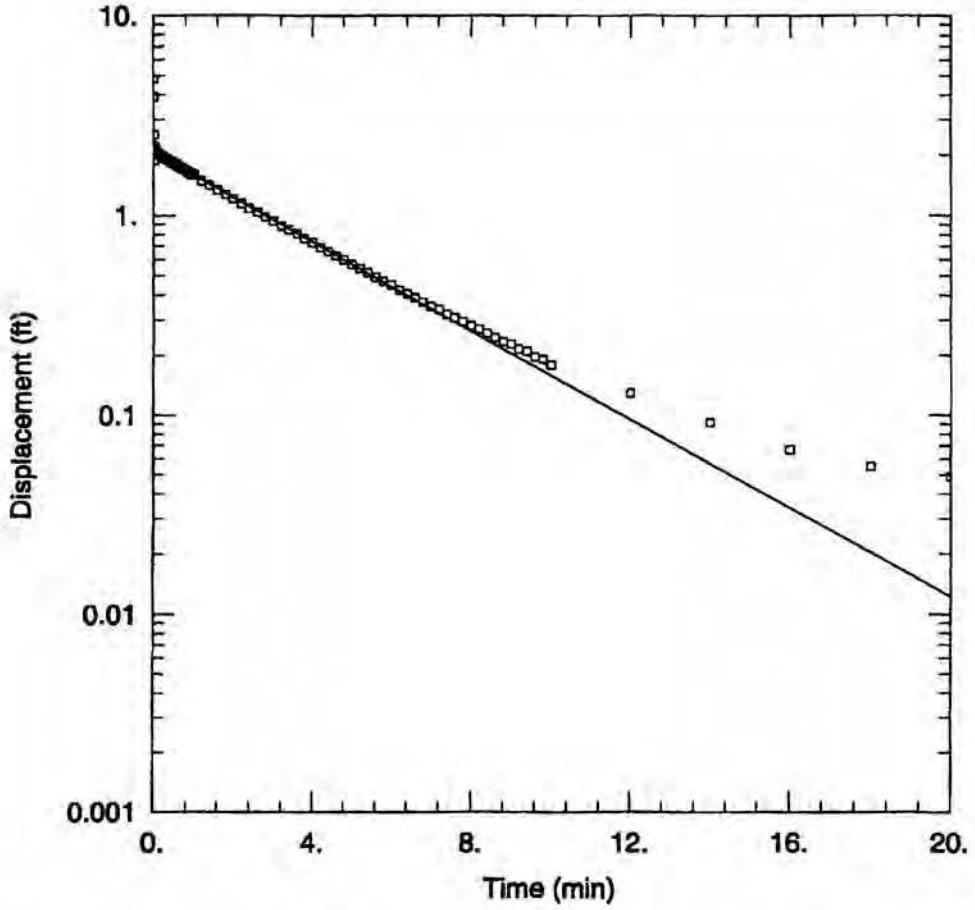
Saturated Thickness: 500. ft
Anisotropy Ratio (Kz/Kr): 0.1

WELL DATA

Initial Displacement: 2.724 ft
Casing Radius: 0.0833 ft
Screen Length: 5. ft
Water Column Height: 50.93 ft
Wellbore Radius: 0.3333 ft
Gravel Pack Porosity: 0.3

SOLUTION

Aquifer Model: Unconfined
Solution Method: Bouwer-Rice
K = 0.003001 ft/min
y0 = 1.735 ft



WELL TEST ANALYSIS

Data Set: E:\NAVY\NASPEN~1\CTO274~1\FIELDD~1\SLUGTE~1\DMW31OU1.AQT
Date: 02/06/03 Time: 11:13:30

PROJECT INFORMATION

Company: Tetra tech NUS
Client: South Div
Project: N2642
Test Location: Bldg 2406 SFY
Test Well: DMW-30
Test Date: 1/31/03

AQUIFER DATA

Saturated Thickness: 500. ft
Anisotropy Ratio (Kz/Kr): 0.1

WELL DATA

Initial Displacement: 4.814 ft
Water Column Height: 50.93 ft
Casing Radius: 0.0833 ft
Wellbore Radius: 0.3333 ft
Screen Length: 5. ft
Gravel Pack Porosity: 0.3

SOLUTION

Aquifer Model: Unconfined
K = 0.003234 ft/min
Solution Method: Bouwer-Rice
y0 = 2.047 ft

Site Information	
Site Name	UST 2406
Project	Saufley
Project Number	N2642
Date	1/31/03
Personnel	W.D. OLSON/ M. AKERS

Well Information	
Name	DMW32
Inside Diameter	DMW32
Borehole Diameter	2"
Total Depth	6"
Depth to Water	~~130~~ 140'
Water Column	29.20
Screen length	~~140~~.80
TOC Elevation	5'

Data Logger	
Model	SE 1000B
Serial Number	1KB-761
Test Rate	Log 1
Mode (TOC/SUR)	SUR (TOC/SUR
Level/Func.	Level)

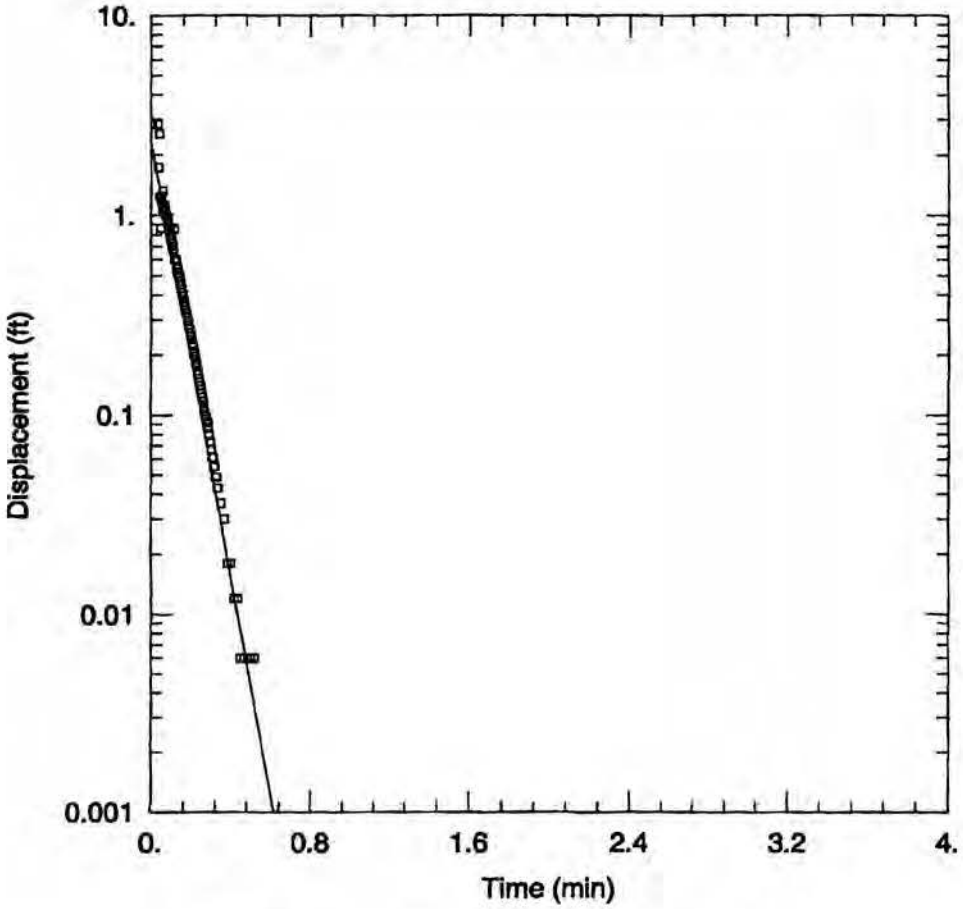
XD	
Model	PTX-161D
Serial Number	276708
Scale	19.512
Offset	-0.034
Linearity	NA
PSI	20

Test Data			
Test Number	T1	T2	T3
ID	32	32	32
Slug In/Out	IN	OUT	IN
XD depth	50'	50'	50'
XD install time	0900	0906	0900
XD reading	20.35	20.56	20.57
slug depth	35'	35'	35'
slug install time	0810	0816	0845
slug length	5'	5'	5'
slug diameter	1 1/4"	1 1/4"	1 1/4"
slug volume			
slug displacement			
reference setting	00.00	0.00	0.00
reference reading	20.99	20.57	20.59
start time	0810	0832	0850
initial displacement	2.539	2.12 2.150	2.83 2.841
end time	0828	0845	0900
final XD reading	20.56	20.57	20.57

2691-655
0581

add
~~0.006~~
0.030

add
0.006



WELL TEST ANALYSIS

Data Set: E:\NAVY\NASPEN~1\CTO274~1\FIELDD~1\SLUGTE~1\DMW32IN2.AQT
Date: 02/06/03 Time: 11:24:05

PROJECT INFORMATION

Company: Tetra tech NUS
Client: South Div
Project: N2642
Test Location: Bldg 2406 SFY
Test Well: DMW-30
Test Date: 1/31/03

AQUIFER DATA

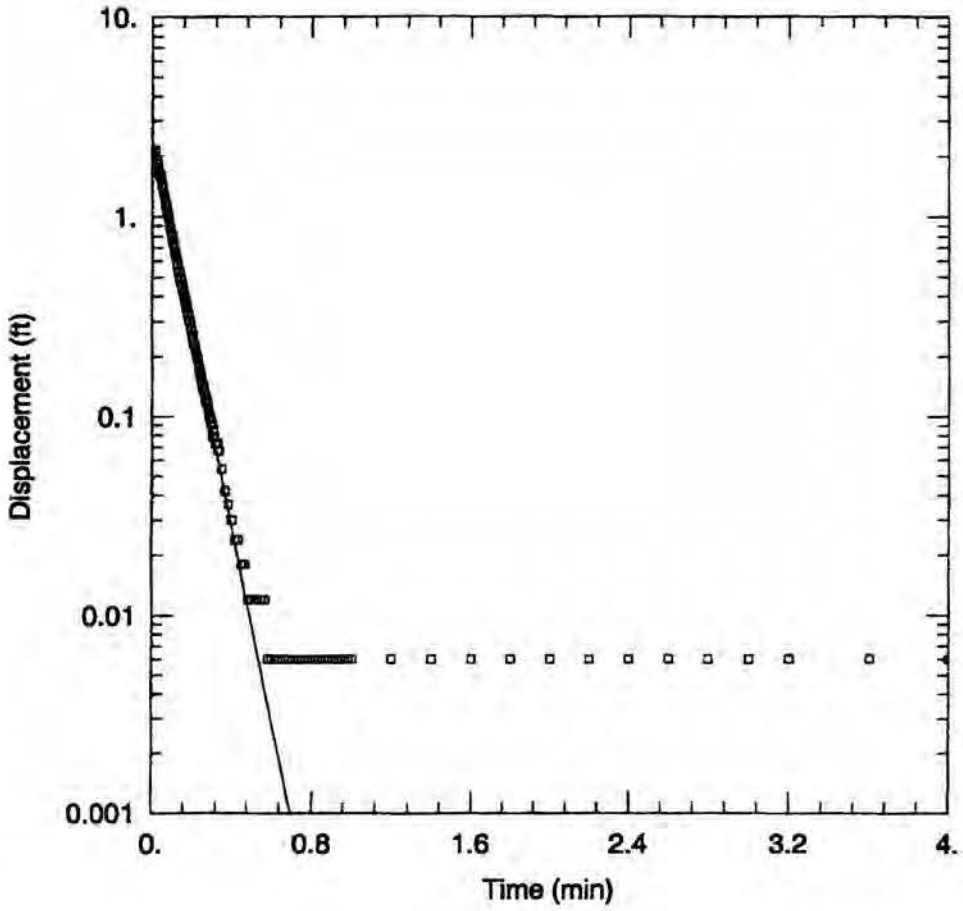
Saturated Thickness: 500. ft
Anisotropy Ratio (Kz/Kr): 0.1

WELL DATA

Initial Displacement: 2.841 ft
Water Column Height: 110.8 ft
Casing Radius: 0.0833 ft
Wellbore Radius: 0.25 ft
Screen Length: 5. ft
Gravel Pack Porosity: 0.3

SOLUTION

Aquifer Model: Unconfined
K = 0.1141 ft/min
Solution Method: Bouwer-Rice
y0 = 2.302 ft



WELL TEST ANALYSIS

Data Set: E:\NAVY\NASPEN~1\CTO274~1\FIELDD~1\SLUGTE~1\DMW32OU1.AQT
Date: 02/06/03 Time: 11:27:20

PROJECT INFORMATION

Company: Tetra tech NUS
Client: South Div
Project: N2642
Test Location: Bldg 2406 SFY
Test Well: DMW-30
Test Date: 1/31/03

AQUIFER DATA

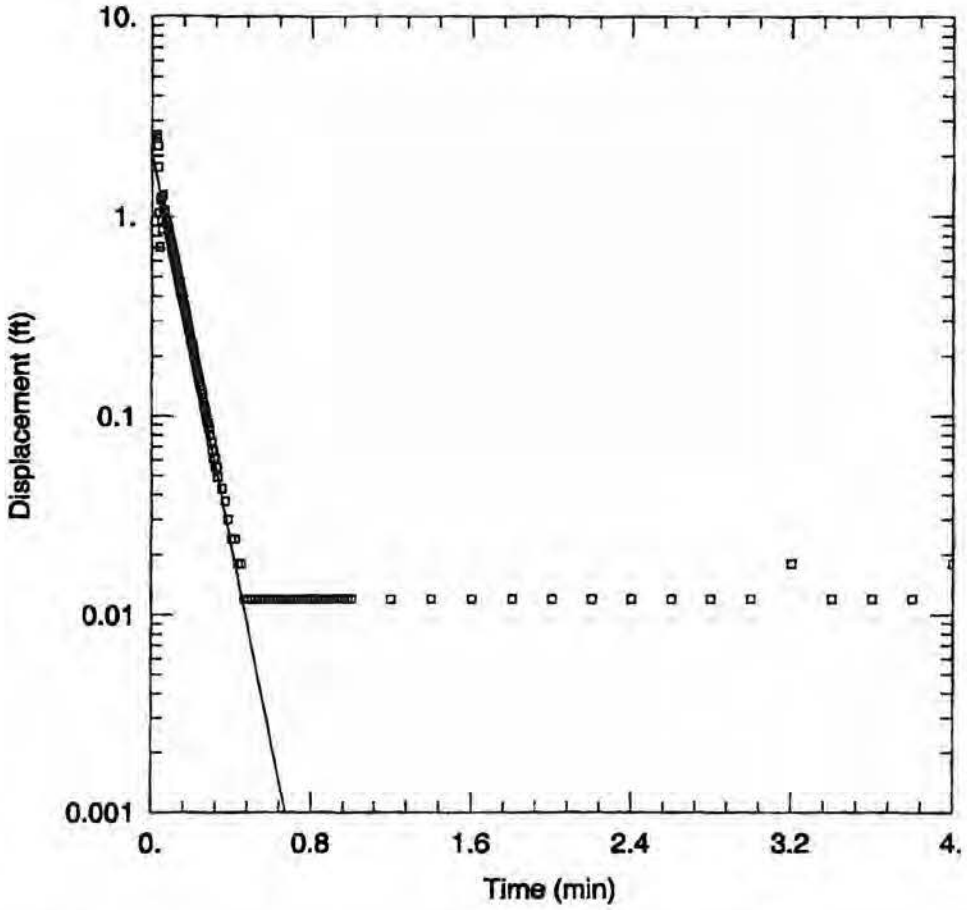
Saturated Thickness: 500. ft
Anisotropy Ratio (Kz/Kr): 0.1

WELL DATA

Initial Displacement: 2.15 ft
Water Column Height: 110.8 ft
Casing Radius: 0.0833 ft
Wellbore Radius: 0.25 ft
Screen Length: 5. ft
Gravel Pack Porosity: 0.3

SOLUTION

Aquifer Model: Unconfined
K = 0.102 ft/min
Solution Method: Bouwer-Rice
y0 = 2.435 ft



WELL TEST ANALYSIS

Data Set: E:\NAVY\NASPEN~1\CTO274~1\FIELDD~1\SLUGTE~1\DMW32IN1.AQT
Date: 02/06/03 Time: 11:21:31

PROJECT INFORMATION

Company: Tetra tech NUS
Client: South Div
Project: N2642
Test Location: Bldg 2406 SFY
Test Well: DMW-30
Test Date: 1/31/03

AQUIFER DATA

Saturated Thickness: 500. ft
Anisotropy Ratio (Kz/Kr): 0.1

WELL DATA

Initial Displacement: 2.539 ft
Casing Radius: 0.0833 ft
Screen Length: 5. ft
Water Column Height: 110.8 ft
Wellbore Radius: 0.25 ft
Gravel Pack Porosity: 0.3

SOLUTION

Aquifer Model: Unconfined
Solution Method: Bouwer-Rice
K = 0.1032 ft/min
y0 = 2.071 ft

	TD	∇	
26D	81.37	42.44	marked ✗
28S	45.31	30.46	✗
34S	39.60	31.41	✗
31S	39.82	30.96	✗
30S	39.63	31.76	✗
29D	79.85	42.61	✗
36S	39.02	29.85	✗
32S	39.46	30.23	✗
35S	36.12	29.32	✗
33S	39.75	29.31	✗
10D	84.97	44.28	✗
11S	39.82	32.73	✗
12S	46.13	35.53	✗
13S	45.01	34.18	✗
21S	44.79	40.69	✗
20S	44.68	40.02	✗
23S	39.87	25.57	✗
22D	90.39	51.21	✗
01D2	129.81	48.78	✗
02D	79.49	48.01	✗
03S	59.02	46.19	✗
07S	54.82	47.35	✗
05S	56.02	47.51	✗
27S	54.85	48.17	✗
08S	55.71	48.57	✗
04D	79.03	49.26	✗
09S	51.89	47.90	✗
02SS	55.21	46.78	✗
06S	55.51	45.48	✗
14D	79.85	47.10	✗
24S	55.55	48.24	✗
15S	56.65	48.10	✗
16S	54.7	48.09	✗
19S	55.7	47.85	✗
17S	55.26	45.87	✗
18S	56.00	42.42	✗

Tetra Tech NUS, Inc.

GROUNDWATER LEVEL MEASUREMENT SHEET

Project Name: Site 4R-7 | **Project No.:** 112G02389
Location: Sayreville | **Personnel:** C. John J. Wolfe, II
Weather Conditions: sunny 70's | **Measuring Device:**
Tidally Influenced: Yes ___ No ___ | **Remarks:**

Well or Piezometer Number	Date	Time	Elevation of Reference Point (feet)*	Total Well Depth (feet)*	Water Level Indicator Reading (feet)*	Thickness of Free Product (feet)* 6/14/07	Groundwater Elevation (feet)*	Comments
MW26	6-14-07	1407		81.35	44.40	44.55		
MW-27		~~1534~~ 1615		54.84	49.36			
MW-28		1425		45.30	32.96	33.08		
MW-29		1354		79.86	44.61			
MW-30		1347		39.62	34.14			
MW-31		1345		39.80	33.80			
MW-32		1352		39.43	32.21			
MW-33		1350		39.73	31.84			
MW-34		1343		39.59	34.14			
MW-35		1443		36.11	31.07	31.24		
MW-36		1356		39.01	32.58	32.72		
MW-37		1621		64.51	50.84			
MW-38		1640		65.09	48.72			
MW-39		1645		54.89	46.49			
MW-40		1704		64.86	48.79			
MW-41		1710		64.95	43.05			
MW-42		1336	~~+3.50~~	46.53	30.02			
MW-43		1402		51.32	33.39	33.48		
MW-44		1427		54.82	32.80	32.92		
MW-45	✓	1431		61.05	34.11	34.21		
MW-46		1436		55.85	32.87	33.22		
mw 46								
mw 47								
mw 26								
mw 19								

* All measurements to the nearest 0.01 foot

Add .14' to all meas. after 1406

Page ___ of ___

37s under trailer Gulf Coast

Tetra Tech NUS, Inc.

GROUNDWATER LEVEL MEASUREMENT SHEET

Project Name: Site 4 - Additional Groundwater
Project No.: 112G00~~[illegible]~~
Location: OLF Saufley
Personnel: Bill Olson & Yarissa Martínez
Weather Conditions: Sunny
Measuring Device: Water Level Indicator
Tidally Influenced: Yes ___ No X
Remarks: 43.29

4D 1220 78.95

Well or Piezometer Number	Date	Time	Elevation of Reference Point (feet)*	Total Well Depth Below TOC (feet)*	Water Level Indicator Reading (feet)*	Thickness of Free Product (feet)*	Groundwater Elevation (feet)*	Comments
01D2 x	6.9.10	1025		129.62	43.79			
02D x	6.9.10	1145 (~~1027~~)		79.40	42.21			
03S x	6.9.10	1150		58.95	37.58			
08S (~~04D~~) x	6.9.10	1155		55.40	36.35			
05S x	6.9.10	1206		54.90	39.87			
06S x	6.9.10	1210		55.66	41.42			
07S x	6.9.10	1200		54.62	39.15			
4D (~~08S~~) x	6.9	1220		78.95	43.29			
09S +	6.9.10	1224		51.85	40.35			
10D tag inside	6/10	1324		84.70	37.65			
11S covered grass	6/10	1237		39.70	25.54			
12S x	6.9.10	1322		45.09	26.85	6/10 1401 (~~1355~~)	26.81	
13S x	6.9.10	1320		44.90	26.14	6/10 1350	26.09	
14D x	6.9.10	1228		79.75	41.15			
15S x	6.9.10	1335		55.50	40.78			
16S x	6.9.10	1243		54.51	39.60			
17S x	6.9.10	1259		55.15	33.21			
18S x	6.9.10	1256		54.67	30.40			
19S x	6.9.10	1229		54.92	40.53			
20S x	6.9.10	1310		44.59	28.58	6/10 1355	28.52	
21S x	6.9.10	1315		44.60	29.13	6/10 1359	29.11	
22D								
23S								
24S x	6.9.10	1331		55.40	42.15			
25S x	6.9.10	1203		55.15	38.65			
26D	6.10	1341		81.25	35.96			
27S x	6.9.10	1213		54.83	41.37			
28S	6.10.10	1339		45.15	23.09			
29D	6/10	1317		79.70	36.41			
30S	6/10	1305		39.40	22.95 (22.95)			
31S	6/10	1247		39.60	23.94			
32S	6/10	1307		39.30	23.54			
33S	6/10	1301		39.56	22.19			
34S	6/10	1245		39.44	24.45			
35S	6/10	1310		35.90	21.42			
36S	6/10	1315		38.91	23.52			
41S	6.9.10	1305		64.82	33.16			
38S tag inside	6.9.10	1232		65.00	40.41			

tag inside 45 6/10 (1224) 60.95/24.92 tag
[illegible] 6/10 [illegible] 23.05

Page ___ of ___

Margin notes (right): TOG; NO; NO; Tag inside; NO; tag inside 43S 6/10 1327 51.15/23.65; 42S 6/10 1257 46.35/22.65; NO

Margin notes (left): Unknown well; Sprague + gator; 6.9.10 1347 56.25 41.66 TOC water; 39S Pad destroyed @ Sprague Ave.; tag inside 46S 6/10 (1328) 55.80/23.27

Tetra Tech NUS, Inc.

GROUNDWATER SAMPLE LOG SHEET

Page ___ of ___

Project Site Name: Site 4 - Additional Groundwater
Project No.: 112G00389

[] Domestic Well Data
[X] Monitoring Well Data
[] Other Well Type:
[] QA Sample Type:

Sample ID No.: OLFS4- MW05S 002
Sample Location: MW05S
Sampled By: J. Martinez
C.O.C. No.: 279
Type of Sample:
[X] Low Concentration
[] High Concentration

SAMPLING DATA:

Date: 6/8/10	Color (Visual)	pH (S.U.)	S.C. (mS/cm)	Temp. (°C)	Turbidity (NTU)	DO (mg/l)	~~Salinity~~ (%)	~~Other~~
Time: 1210								
Method: Low Flow	Clear	5.12	0.435	27.27	0.73	0.3	76.9	12:10

PURGE DATA:

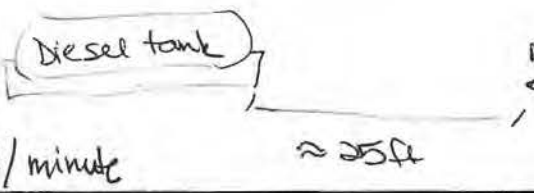
Date: 6/8/10	Volume	pH	S.C.	Temp.	Turbidity	DO	~~Salinity~~	~~Other~~	
Method: (Low) (Flow)	3 L	4.72	0.398	27.34	23.00	1.38	~~0.398~~ 230	41.47	
Monitor Reading (ppm): —	5 L	4.72	0.366	27.13	9.75	0.72	110.9	43.11	1145
Well Casing Diameter & Material	7 L	4.80	0.379	26.79	4.75	0.5	59.0	42.82	1150
Type: 2" PVC	9 L	5.04	0.402	27.36	2.59	0.37	9.0	42.80	1155
Total Well Depth (TD): 54.90	11 L	5.12	0.434	27.28	0.68	0.30	-16.9	42.95	1200
Static Water Level (WL): 39.81									
One Casing Volume(gal/L): 0.91									
Start Purge (hrs): ~~1135~~ 1135									
End Purge (hrs): 1210									
Total Purge Time (min): 35									
Total Vol. Purged (~~gal~~/L): 11.0									

SAMPLE COLLECTION INFORMATION:

Analysis (SW-846 5030B/8260B)	Preservative	Container Requirements	Collected
Benzene	HCl + Ice	3 (40ml) glass vials	☑
Thylbenzene			☐
Total Xylenes			☑
Naphthalene			☑
Isopropylbenzene			☑
cis 1,2 dichloroethene			☑

OBSERVATIONS / NOTES:

Slight odor petroleum



Flow 400 ml/minute

Circle if Applicable:

MS/MSD | Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

GROUNDWATER SAMPLE LOG SHEET

Page___ of___

Project Site Name: Site 4 - Additional Groundwater
Project No.: 112G00389

[] Domestic Well Data
[X] Monitoring Well Data
[] Other Well Type:
[] QA Sample Type:

Sample ID No.: OLFS4- MW06S 002
Sample Location: MW06S
Sampled By: Y. Mathner
C.O.C. No.: 2729
Type of Sample:
[] Low Concentration
[] High Concentration

SAMPLING DATA:

Date: 6/8/10 Time: 1420 Method: low flow	Color (Visual)	pH (S.U.)	S.C. (mS/cm)	Temp. (°C)	Turbidity (NTU)	DO (mg/l)	~~Salinity~~ (%)	~~Other~~ WL
	Clear	3.71	0.069	25.16	3.24	5.17	199.8	37.91

PURGE DATA:

	Volume	pH	S.C.	Temp.	Turbidity	DO	Salinity	Other
Date: 6/8/10								
Method: low flow	1L	4.18	0.070	24.91	20.8	5.83	165.3	
Monitor Reading (ppm): -	2.5L	3.83	0.069	24.88	9.45	5.35	182.9	37.76
Well Casing Diameter & Material	3.75L	3.87	0.069	25.25	4.06	5.13	184.6	37.61
Type: 2" PVC	5.25L	4.10	0.069	25.17	4.84	5.27	174.7	37.81
Total Well Depth (TD): ~~55.66~~ 70.00	7.00L	3.81	0.069	25.49	3.98	5.14	191.5	37.87
Static Water Level (WL): 36.31	9	3.71	0.069	25.16	3.24	5.17	199.8	37.91
One Casing Volume(gal/L): 1.76								
Start Purge (hrs): 1345								
End Purge (hrs): 1420								
Total Purge Time (min): 35								
Total Vol. Purged (gal/L): 9								

1350
1355
1400
1405
1410
1420

SAMPLE COLLECTION INFORMATION:

Analysis (SW-846 6010C)	Preservative	Container Requirements	Collected
Chromium	HNO_3	1. (250 ml) clear Plastic.	☑
Nickel	HNO_3		☑

OBSERVATIONS / NOTES:

Pressurized top, Left for 5minutes to acclimate.

Flow 200ml/min - 250ml/min

Circle If Applicable:		Signature(s):
MS/MSD	Duplicate ID No.:	

Tetra Tech NUS, Inc.

GROUNDWATER SAMPLE LOG SHEET

Page ___ of ___

Project Site Name: Site 4 - Additional Groundwater
Project No.: 112G00389

Sample ID No.: OLFS4- MW07S 002
Sample Location: MW07S
Sampled By: Y. Martinez
C.O.C. No.: 2729
Type of Sample:
[X] Low Concentration
[ ] High Concentration

[ ] Domestic Well Data
[X] Monitoring Well Data
[ ] Other Well Type:
[ ] QA Sample Type:

SAMPLING DATA:

Date: 6/8/10	Color (Visual)	pH (S.U.)	S.C. (mS/cm)	Temp. (°C)	Turbidity (NTU)	DO (mg/l)	~~Salinity~~ (%) ORP	~~Other~~ NL
Time: 1310								
Method: low-flow	clear	5.36	0.447	27.89	4.46	0.18	21.9	41.73

PURGE DATA:

Date: 6/8/10	Volume	pH	S.C.	Temp.	Turbidity	DO	~~Salinity~~	Other	
Method: low flow	Init				62.5				
Monitor Reading (ppm): –	3L	5.19	0.454	27.55	57.0	0.81	50.1	40.55	1230
Well Casing Diameter & Material Type: 2" PVC	4.5L	5.30	0.467	27.90	67.3	0.44	43.3	40.74	1235
	5.5L	5.56	0.468	28.39	38.7	0.32	24.3	40.93	1245
Total Well Depth (TD): 54.62	7L	5.31	0.456	26.15	12.00	0.24	37.0	41.56	1250
Static Water Level (WL): 40.36	8.5	5.36	0.454	28.18	8.90	0.22	20.6	41.45	1255
One Casing Volume(gal/L): 0.86	10L	5.47	0.456	26.44	6.27	0.20	18.5	41.71	1300
Start Purge (hrs): 1220	12L	5.36	0.447	27.89	4.46	0.18	21.9	41.73	1310
End Purge (hrs): 1310									
Total Purge Time (min): 50									
Total Vol. Purged (gal/L): 12									

SAMPLE COLLECTION INFORMATION:

Analysis (SW-846 6010C)	Preservative	Container Requirements	Collected
Chromium	HNO_3	1 (250ml) clear Poolye	☐
Nickel	HNO_3		☐

OBSERVATIONS / NOTES:

Flow 300 ml/minute

Slight petroleum odor

Circle If Applicable:

MS/MSD | Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

GROUNDWATER SAMPLE LOG SHEET

Page___ of ___

Project Site Name: Site 4 - Additional Groundwater
Project No.: 112G00389

[] Domestic Well Data
[X] Monitoring Well Data
[] Other Well Type:
[] QA Sample Type:

Sample ID No.: OLFS4- MW16S 002
Sample Location: MW16S
Sampled By: JM & BD
C.O.C. No.: 279
Type of Sample:
[X] Low Concentration
[] High Concentration

SAMPLING DATA:

Date: 6/8/10	Color (Visual)	pH (S.U.)	S.C. (mS/cm)	Temp. (°C)	Turbidity (NTU)	DO (mg/l)	Salinity (%)	Other
Time: 1525								
Method: low flow	clear	3.65	0.049	27.48	4.95	3.58	199.4	48.62

PURGE DATA:

Date: 6/8/10	Volume	pH	S.C.	Temp.	Turbidity	DO	~~Salinity~~	Other	
Method: low flow	1 L	4.19	0.050	27.81	13.2	4.74	183.7	41.55	1450
Monitor Reading (ppm): –	2 L	4.11	0.050	27.74	13.5	4.30	188.9	42.10	1455
Well Casing Diameter & Material	4 L	3.73	0.049	27.39	8.75	4.20	206.2	44.72	1500
Type: 2" PVC	6 L	3.71	0.050	27.54	7.76	4.02	207.1	45.91	1505
Total Well Depth (TD): 54.51	8 L	4.10	0.052	28.79	10.05	3.76	186.1	~~46.26~~	1510
Static Water Level (WL): 39.60	11 L	3.99	0.051	28.72	8.53	3.56	193.9	46.82	1515
One Casing Volume(gal): 0.89	14 L	3.62	0.049	27.55	505	3.60	217.4	48.54	1520
Start Purge (hrs): 1445	16 L	3.65	0.049	27.48	4.95	3.58	199.4	48.62	1525
End Purge (hrs): 1525									
Total Purge Time (min): 40									
Total Vol. Purged (gal/L): 16									

SAMPLE COLLECTION INFORMATION:

Analysis (SW-846 6010C)	Preservative	Container Requirements	Collected
Chromium	HNO_3	1 (250ml) Plastic	[X]
Nickel	HNO_3		[X]

OBSERVATIONS / NOTES:

Flow 250ml/min

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

GROUNDWATER SAMPLE LOG SHEET

Page ___ of ___

Project Site Name: Site 4 - Additional Groundwater
Project No.: 112G00389

[] Domestic Well Data
[X] Monitoring Well Data
[] Other Well Type:
[] QA Sample Type:

Sample ID No.: OLFS4- MW17S 002
Sample Location: MW17S
Sampled By: Y. Martinez
C.O.C. No.: 2729
Type of Sample:
[X] Low Concentration
[] High Concentration

SAMPLING DATA:

Date: 6.9.2010 / Time: 8:45	Color (Visual)	pH (S.U.)	S.C. (mS/cm)	Temp. (°C)	Turbidity (NTU)	DO (mg/l)	~~Salinity~~ (%)	~~Other~~ ORP
Method: Low Flow	Clear	5.14	0.062	28.16	4.74	5.16	223.5	37.80

PURGE DATA:

Date: 6.9.2010	Volume	pH	S.C.	Temp.	Turbidity	DO	~~Salinity~~	~~Other~~	
Method: (low flow (sub pump)	1L	4.14	0.074	25.84	114	7.13	238.8	34.65	740
Monitor Reading (ppm): -	5	4.15	0.063	26.72	71.6	6.51	227.9	35.90	750
Well Casing Diameter & Material Type: 2" PVC	7	4.24	0.064	27.20	43.7	6.05	221.6	35.45	755
	9	3.96	0.063	26.88	40.1	6.06	224.8	36.08	800
Total Well Depth (TD): 55.15	11	4.11	0.063	27.29	29.7	5.99	226.7	36.21	805
Static Water Level (WL): 32.26	13	4.08	0.063	27.41	24.2	5.95	227.8	36.59	810
One Casing Volume(gal/~~L~~): 1.31	17	3.97	0.062	27.73	16.0	5.72	230.0	36.44	820
Start Purge (hrs): 7:35	19	4.07	0.062	27.73	13.0	5.64	223.8	37.35	825
End Purge (hrs): 8:45	21	4.11	0.062	28.02	9.34	5.27	226.7	37.39	830
Total Purge Time (min): 50	~~19~~ 23	3.76	0.062	28.05	7.63	5.20	231.9	37.43	835
Total Vol. Purged (~~gal~~L): 27	25	3.83	0.062	28.01	5.92	5.17	234.9	37.48	840

SAMPLE COLLECTION INFORMATION:

Analysis (SW-846 6010C)	Preservative	Container Requirements	Collected
Chromium	HNO_3	250 ml Plastic	☑
Nickel	HNO_3	" "	☑

OBSERVATIONS / NOTES:

Flow 400 ml/min

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

GROUNDWATER SAMPLE LOG SHEET

Page ___ of ___

Project Site Name: Site 4 - Additional Groundwater
Project No.: 112G00389

[] Domestic Well Data
[X] Monitoring Well Data
[] Other Well Type:
[] QA Sample Type:

Sample ID No.: OLFS4- MW18S 002
Sample Location: MW18S
Sampled By: Y. Martinez
C.O.C. No.: 2729
Type of Sample:
[] Low Concentration
[] High Concentration

SAMPLING DATA:

Date: 6.9.10	Color (Visual)	pH (S.U.)	S.C. (mS/cm)	Temp. (°C)	Turbidity (NTU)	DO (mg/l)	~~Salinity~~ (%)	~~Other~~ ORP
Time: 10:20								
Method: Low-Flow Purge	Clear	3.74	0.059	27.62	4.84	4.84	252.5	44.9

PURGE DATA:

Date: 6.9.10	Volume	pH	S.C.	Temp.	Turbidity	DO	~~Salinity~~	~~Other~~	
Method: Low-Flow Purge	Init	4.62	0.069	26.76	73.5	5.80	221.5	30.25	905
Monitor Reading (ppm): –		4.82	0.071	27.85	52.6	5.23	206.9	35.12	915
Well Casing Diameter & Material		4.75	0.071	28.14	30.5	5.07	210.0	36.54	920
Type: 2" PVC	16L	4.64	0.070	28.39	12.3	4.80	214.6	39.90	930
Total Well Depth (TD): 54.67		4.57	0.069	28.30	11.3	4.78	221.5	40.05	935
Static Water Level (WL): 30.25		4.58	0.069	28.29	9.02	4.76	222.8	40.75	940
One Casing Volume(gal/L):		4.49	0.062	28.29	11.7	4.74	219.8	42.40	950
Start Purge (hrs): 905		3.74	0.059	27.62	4.84	4.84	252.5	44.90	1000
End Purge (hrs): 1000									
Total Purge Time (min): 55									
Total Vol. Purged (gal/L): 19									

SAMPLE COLLECTION INFORMATION:

Analysis (SW-846 6010C)	Preservative	Container Requirements	Collected
Chromium			☐
Nickel			☐

OBSERVATIONS / NOTES:

*Pump was readjusted deeper because water was measured deeper and to prevent it to run dry

(54.67 - 30.25) * 0.06 =

Flow 300ml/min. Began at 500ml/min to obtain constant flow

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

GROUNDWATER SAMPLE LOG SHEET

Project Site Name: Site 4 - Additional Groundwater
Project No.: 112G00389

[] Domestic Well Data
[X] Monitoring Well Data
[] Other Well Type:
[] QA Sample Type:

Sample ID No.: OLFS4- MW19S 002
Sample Location: MW19S
Sampled By: Y. Martinez
C.O.C. No.: 3729
Type of Sample:
[X] Low Concentration
[] High Concentration

SAMPLING DATA:

Date: 6.8.10 / Time: 1645 / Method: low flow	Color (Visual)	pH (S.U.)	S.C. (mS/cm)	Temp. (°C)	Turbidity (NTU)	DO (mg/l)	~~Salinity~~ ORP (%)	Other
	Clear	3.91	0.095	27.8	3.62	3.66	207.6	47.96

PURGE DATA:

Date: 6/8/10 / Method: low-flow / Monitor Reading (ppm): — / Well Casing Diameter & Material Type: 2" PVC / Total Well Depth (TD): 54.92 / Static Water Level (WL): 40.50 / One Casing Volume(gal/L): 0.61 / Start Purge (hrs): 1545 / End Purge (hrs): 1645 / Total Purge Time (min): 60 / Total Vol. Purged (gal/L): 26	Volume	pH	S.C.	Temp.	Turbidity	DO	~~Salinity~~	Other	
	Initial	4.81	0.101	29.05	66.9	4.93	180.5	41.8	
	2L	4.03	0.099	28.12	69.6	4.06	201.7	43.16	1555
	4L	4.01	0.099	28.09	48.2	3.94	203.1	44.03	1600
	7L	4.19	0.100	28.51	36.3	3.77	192.3	45.65	1605
	9L	4.17	0.100	28.75	21.3	3.66	193.0	45.81	1610
	13L	3.99	0.099	28.58	12.1	3.64	200.1	46.10	1615
	16L	4.00	0.098	28.25	10.43	3.72	193.1	46.47	1620
	19L	3.84	0.096	27.99	11.6	3.66	210.3	47.47	1625
	21L	3.77	0.095	27.69	10.21	3.77	214.8	47.58	1630
	23L	3.78	0.095	27.71	8.30	3.69	25.1	47.93	1635
	26L	3.78	0.095	27.74	5.52	3.67	216.3	47.95	1640

SAMPLE COLLECTION INFORMATION:

Analysis (SW-846 6010C)	Preservative	Container Requirements	Collected
Chromium	HNO_3	1 (250 ml) Plastic Clear	[X]
Nickel			[X]

OBSERVATIONS / NOTES:

flow 400 ml/min

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

GROUNDWATER SAMPLE LOG SHEET

Project Site Name: Site 4 - Additional Groundwater
Project No.: 112G00389

[] Domestic Well Data
[X] Monitoring Well Data
[] Other Well Type:
[] QA Sample Type:

Sample ID No.: OLFS4- MW30S 002
Sample Location: MW30S
Sampled By: B. Olsen
C.O.C. No.: 2729
Type of Sample:
[] Low Concentration
[] High Concentration

SAMPLING DATA:

Date: 6-8/10	Color	pH	S.C.	Temp.	Turbidity	DO	~~Salinity~~ ORP	Other DO
Time: 0834	(Visual)	(S.U.)	(mS/cm)	(°C)	(NTU)	(mg/l)	(%) mV	
Method: Low Flow	clear	4.89	0.173	24.03	1.11	6.83	152.0	24.55

PURGE DATA:

Date: 6-8/10	Volume	pH	S.C.	Temp.	Turbidity	DO mg/L	~~Salinity~~ ORP	Other DO
Method: Low Flow	INIT	5.15	0.185	23.77	8.34	7.28	213.2	24.28
Monitor Reading (ppm): —	5 l	4.87	0.181	23.89	5.89	7.23	191.8	24.50
Well Casing Diameter & Material	7.5 l	4.89	0.181	24.34	4.32	6.74	176.0	24.40
Type: 2" PVC	10 l	4.91	0.177	24.24	4.12	6.89	161.7	24.50
Total Well Depth (TD): 39.63	12.5 l	4.86	0.174	24.06	1.70	6.72	159.0	24.52
Static Water Level (WL): 23.11	15 l	4.89	0.173	24.03	1.11	6.83	152.0	24.55
One Casing Volume(gal/L):								
Start Purge (hrs): 0800								
End Purge (hrs): 0830								
Total Purge Time (min): 30								
Total Vol. Purged (gal/L): 15								

SAMPLE COLLECTION INFORMATION:

Analysis (SW-846 5030B/8260B)	Preservative	Container Requirements	Collected
Benzene	HCL 4°C	40 ml vials Clear Glass	☐
Ethylbenzene	HCL 4°C	40 ml vials Clear Glass	☐
Total Xylenes	HCL 4°C	40 ml vials Clear Glass	☐
Naphthalene			☐
Isopropylbenzene			☐
cis 1,2 dichloroethene			☐

OBSERVATIONS / NOTES:

500 ml / min
eq vol 2l

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

GROUNDWATER SAMPLE LOG SHEET

tagged

Page ___ of ___

Project Site Name: Site 4 - Additional Groundwater
Project No.: 112G00389

[] Domestic Well Data
[X] Monitoring Well Data
[] Other Well Type:
[] QA Sample Type:

Sample ID No.: OLFS4- MW31S 002
Sample Location: MW31S
Sampled By: Y. Martinez
C.O.C. No.: 2729
Type of Sample:
[X] Low Concentration
[] High Concentration

SAMPLING DATA:

Date: 6/8/10	Color (Visual)	pH (S.U.)	S.C. (mS/cm)	Temp. (°C)	Turbidity (NTU)	DO (mg/l)	~~Salinity~~ ORP (mV)	~~Other~~ Depth
Time: 1050								
Method: grab/low flow	clear	4.48	0.137	23.67	1.52	0.74	132	24.21

PURGE DATA:

Date: 6/8/10	Volume	pH	S.C.	Temp.	Turbidity	DO	~~Salinity~~	~~Other~~	
Method: low flow	1L	4.88	0.158	24.27	44.8	2.83	122.9	24.05	1020
Monitor Reading (ppm): –	2L	4.74	0.159	24.17	40.1	1.80	124.6	24.18	1025
Well Casing Diameter & Material	6L	4.55	0.149	24.24	9.74	1.14	130.4	24.20	1032
Type: 2" PVC	9L	4.47	0.137	23.55	3.53	0.88	131.9	24.21	1040
Total Well Depth (TD): 39.60	~~12L~~ 12	4.48	0.137	23.67	1.52	0.74	132.0	24.21	1050
Static Water Level (WL): 24.05									
One Casing Volume (gal/L): 0.93									
Start Purge (hrs): 1020									
End Purge (hrs): 1050									
Total Purge Time (min): 30									
Total Vol. Purged (gal) 12									

SAMPLE COLLECTION INFORMATION:

Analysis (SW-846 5030B/8260B)	Preservative	Container Requirements	Collected
Benzene	HCl	3 40ml vials	[X]
Thylbenzene			[X]
Total Xylenes			[X]
Naphthalene			[X]
Isopropylbenzene			[X]
cis 1,2 dichloroethene			[X]

OBSERVATIONS / NOTES:

Flow 400ml/min

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

GROUNDWATER SAMPLE LOG SHEET

Page___ of___

Project Site Name: Site 4 - Additional Groundwater
Project No.: 112G00389

[] Domestic Well Data
[X] Monitoring Well Data
[] Other Well Type:
[] QA Sample Type:

Sample ID No.: OLFS4- MW32S 002
Sample Location: MW32S
Sampled By: BD & YM
C.O.C. No.: 2729
Type of Sample:
[X] Low Concentration
[] High Concentration

SAMPLING DATA:

Date: 6/8/10	Color	pH	S.C.	Temp.	Turbidity	DO	~~Salinity~~	~~Other~~
Time: 0950	(Visual)	(S.U.)	(mS/cm)	(°C)	(NTU)	(mg/l)	(%)	Water Depth
Method: Low flow	clear	4.62	0.120	24.74	4.61	5.36	129.1	26.52

PURGE DATA:

Date: 6·8·2010	Volume	pH	S.C.	Temp.	Turbidity	DO	~~Salinity~~	~~Other~~	
Method: Submersible pump	3L	4.40	0.120	24.32	32.7	5.59	161.7	25.32	9:10
Monitor Reading (ppm): –	4.5L	4.43	0.121	24.49	20.2	5.75	157	25.76	9:15
Well Casing Diameter & Material	6L	4.50	0.123	24.87	15.1	5.73	150.3	25.61	9:20
Type: 2" PVC	7.5L	4.60	0.123	24.63	12.1	5.31	142.3	25.29	9:25
Total Well Depth (TD): 39.30	9L	4.53	0.121	24.75	8.36	5.36	143.6	25.84	9:30
Static Water Level (WL): 23.70	11.5L	4.60	0.120	24.50	6.82	5.47	137.2	26.35	9:35
One Casing Volume(gal/L): 093	15	4.62	0.120	24.74	4.61	5.36	129.1	26.52	9:45
Start Purge (hrs): 0900									
End Purge (hrs): 945									
Total Purge Time (min): 45									
Total Vol. Purged (gal/L): 15									

SAMPLE COLLECTION INFORMATION:

Analysis (SW-846 5030B/8260B)	Preservative	Container Requirements	Collected
Benzene	HCl	3 40ml vials	[X]
Ethylbenzene			[X]
Total Xylenes			[X]
Naphthalene			[X]
Isopropylbenzene			[X]
cis 1,2 dichloroethene			[X]

OBSERVATIONS / NOTES:

Initially significant orange-colored sediment

Flow 300 ml/min (300ml/min)

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

EQUIPMENT CALIBRATION LOG

Tetra Tech NUS, Inc.

PROJECT NAME : Site 4 - Additional Groundwater

INSTRUMENT NAME/MODEL: YSI 556 MPS

SITE NAME: OLF Saufley

MANUFACTURER: YSI

PROJECT No.: 112G00389

SERIAL NUMBER: 09G101010 Pine 14727

Date of Calibration	Instrument I.D. Number	Person Performing Calibration	Conductivity Pre-Post calibration		ORP Pre-Post calibration		pH7 Pre-Post calibration		pH4 Pre-Post calibration		Calibration Standard (Lot No.)	Remarks and Comments
			1482	1514	241.4	240.1	6.88	7.02	3.36	4.02		
5/8/10												
6/9/10		Y. Martinez	1.517	1.495	237.4	240.0	6.82	7.03	4.00	3.98		
6/10/10		J Martinez	1.469	1.417	240.2	240.0	6.97	7.01	3.95	4.00		90 89.6/100.1

CALIBRATION STANDARDS INFORMATION

Solution	Lot #	Expiration Date
ORP	1847	9-2014
Conductivity	7806	3-2011
pH 7	2909171	8-2011
pH 4	2909313	8-2011

EQUIPMENT CALIBRATION LOG

Tetra Tech NUS, Inc.

PROJECT NAME : Site 4 - Additional Groundwater

INSTRUMENT NAME/MODEL: LaMotte 2020e

SITE NAME: OLF Saufley

MANUFACTURER: LaMotte

PROJECT No.: 112G00389

SERIAL NUMBER: MG 14058 Pine 13872

Date of Calibration	Instrument I.D. Number	Person Performing Calibration	pH 1		pH 10		Remarks and Comments	
			Pre-calibration	Post-calibration	Pre-calibration	Post-calibration		
6/5/2010			1.17	0.98	10.15	10.08		
~~6/8/2010~~								
6/9/2010		Y. Martinez	1.01	0.99	9.03	10.02		
6/10/2010		Y. Martinez	1.10	1.00	8.67	9.90		
6/11/2010								

CALIBRATION STANDARDS INFORMATION

Solution	Lot #	Batch	Expire			Expiration Date
pH 10	P891234	10/01/09	10/10			
pH 4	6846		2/2/10			
pH 7	P994875	9/8/09	1/11			
	~~3909313~~		~~8/11~~			

EQUIPMENT CALIBRATION LOG

Tetra Tech NUS, Inc.

PROJECT NAME : Site 4 - Additional Groundwater

SITE NAME: OLF Saufley

PROJECT No.: 112G00389

INSTRUMENT NAME/MODEL: La Motte 2020e

MANUFACTURER: LaMotte

SERIAL NUMBER: ME 12628 Pine 14792

Date of Calibration	Instrument I.D. Number	Person Performing Calibration	pH 1		pH 10		Remarks and Comments	
			Pre-calibration	Post-calibration	Pre-calibration	Post-calibration		
~~6/7/2010~~		D	1.39	0.94	7.84	9.84		
6/8/2010								
~~6/9/2010~~								
~~6/10/2010~~								
~~6/11/2010~~								

CALIBRATION STANDARDS INFORMATION

Solution	Lot #					Expiration Date

EQUIPMENT CALIBRATION LOG

Tetra Tech NUS, Inc.

PROJECT NAME : Site 4 - Additional Groundwater

SITE NAME: OLF Saufley

PROJECT No.: 112G00389

INSTRUMENT NAME/MODEL: YSI 556 MPS

MANUFACTURER: YSI

SERIAL NUMBER: 09F100228 Pine 14237

Date of Calibration	Instrument I.D. Number	Person Performing Calibration	Conductivity Pre-Post calibration		ORP Pre-Post calibration		pH7 Pre-Post calibration		~~pH10~~ 4 Pre-Post calibration		Calibration Standard (Lot No.)	Remarks and Comments
6.8.10			1.474	1.508	241.6	239.4	7.74	6.99	4.42	3.99		

CALIBRATION STANDARDS INFORMATION

Solution	Lot #					Expiration Date

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: Saufley Field Site 4	SITE LOCATION: Pensacola Florida	
WELL NO: mw-03S	SAMPLE ID: OLF54 mw-03S	DATE: 4/15/11

PURGING DATA

WELL DIAMETER (inches): 2"	TUBING DIAMETER (inches): 3/4 x 1/4"	WELL SCREEN INTERVAL DEPTH: 39 feet to 54 feet	STATIC DEPTH TO WATER (feet): 41.91	PURGE PUMP TYPE OR BAILER: Bladder

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH − STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (54.42 feet − 41.91 feet) X 0.14 gallons/foot = 2.8 gallons

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

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 53'	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 53'	PURGING INITIATED AT: 1126	PURGING ENDED AT: 1153	TOTAL VOLUME PURGED (gallons): 6.75

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1136	2.5	2.5	~~0.25~~ 0.25	42.6							
1139	3.0	3.0	0.25	43.09	5.86	26.36	48	7.05, 97.8%	13.4	clear	mod. -9.6
1143	1.25	4.25	0.25	43.09	5.56	26.71	111	7.84, 98%	14.8	"	" -12.9
1148	1.25	5.50	0.25	"	5.57	26.64	114	7.84, 97.7%	14.1	"	" -13.8
1153	1.25	6.75	0.25	"	5.54	26.72	113	7.87, 98.2%	~~23.7~~ 14.4	"	" -14.09

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

PURGING EQUIPMENT CODES: **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **PP** = Peristaltic Pump; **O** = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Amber Tyus / TT	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 1153	SAMPLING ENDED AT: 1205
PUMP OR TUBING DEPTH IN WELL (feet): 53'	TUBING MATERIAL CODE: Teflon	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP (Y) N	TUBING Y (N (replaced))	DUPLICATE: Y N	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
OLF54 mw03S	3	AG	40 mL	HCL	prepreserved	<2	TAL VOC	APP	~100 mLs
↓	2	AG	1L	—	—	—	TAL SVOCs	"	"
↓	2	AG	1L	HCL	prepreserved	<2	TRPH	"	"

REMARKS:

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

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

NOTES: 1. **The above do not constitute all of the information required by Chapter 62-160, F.A.C.**

2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

pH: ± 0.2 units **Temperature:** ± 0.2 °C **Specific Conductance:** ± 5% **Dissolved Oxygen:** all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) **Turbidity:** all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: Saufley Field Site 4	SITE LOCATION: Pensacola FL	
WELL NO: MW-05S	SAMPLE ID: OLFS4 MW05S	DATE: 4/14/11

PURGING DATA

WELL DIAMETER (inches): 2"	TUBING DIAMETER (inches): 1/2"	WELL SCREEN INTERVAL DEPTH: 40 feet to 55 feet	STATIC DEPTH TO WATER (feet): 43.93	PURGE PUMP TYPE OR BAILER: Bennett

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH − STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (54.95 feet − 43.93 feet) X 0.16 gallons/foot = 1.7 gallons

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

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 46'	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 46'	PURGING INITIATED AT: 1441	PURGING ENDED AT: 1506	TOTAL VOLUME PURGED (gallons): 5.0

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or (µS/cm)	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe) ORP
1451	2.0	2.0	0.2	45.57	6.03	25.24	472	0.61, 7.5%	16.0	clear	① -75.1
1456	1.0	3.0	0.2	〃	6.08	25.48	477	0.51, 6.2%	6.59	〃 〃	① -46.5
1501	1.0	4.0	0.2	〃	6.14	25.60	479	0.37, 4.6%	3.38	〃 〃	① -43.6
1506	1.0	5.0	0.2	〃	6.14	25.61	471	0.28, 3.5%	2.75	〃 〃	① -40.8

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

PURGING EQUIPMENT CODES: **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **PP** = Peristaltic Pump; **O** = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Amber Joyce / Tetra Tech	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 1506	SAMPLING ENDED AT: 1515
PUMP OR TUBING DEPTH IN WELL (feet): 46'	TUBING MATERIAL CODE: Teflon	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP (Y) N	TUBING (Y) N (replaced)	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
OLFS4 MW05S	3	CG	40 mLs	HCl	prepreserved	<2	TAL VOCs	Bennett	100 mLs
	2	AG	1L	HCl	〃 〃	<2	TRPH		500 mLs
	2	AG	1L	Ice	N/A	N/A	LL SVOCs		
	1	PE	250 mLs	H_2SO_4	prepreserved	~~<2~~	BOD		
	1	PE	250 mLs	Ice	Ice	—	COD		
	1	PE	250 mL	Ice		—	Anions		

REMARKS: ① Slight petroleum odor
MNA Well

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

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

NOTES: 1. **The above do not constitute all of the information required by Chapter 62-160, F.A.C.**
2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

pH: ± 0.2 units **Temperature:** ± 0.2 °C **Specific Conductance:** ± 5% **Dissolved Oxygen:** all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) **Turbidity:** all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

1	PE	250mL	NaOH	prepreserved	710	SulGde
1	PE	250mL	—	N/A	N/A	Total metals Fe/Mn only
1	PE	250mL	—	N/A	N/A	Dissolved metals Fe/Mn only
2	AG	40mL	BAK	prepreserved	<2	Dissolved BTEX

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: Saufley Field Site4	SITE LOCATION: Pensacola FL	
WELL NO: MW-07S	SAMPLE ID: OLFS4 MW-07S	DATE: 4/12/11

PURGING DATA

WELL DIAMETER (inches): 2"	TUBING DIAMETER (inches): 3/4 x 1/4"	WELL SCREEN INTERVAL DEPTH: 39 feet to 54 feet	STATIC DEPTH TO WATER (feet): 43.61	PURGE PUMP TYPE OR BAILER: bladder

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH − STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (56.80 feet − 43.61 feet) X 0.16 gallons/foot = 2.1 gallons

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

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 45	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 47'	PURGING INITIATED AT: 1149	PURGING ENDED AT:	TOTAL VOLUME PURGED (gallons):

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or (µS/cm)	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1215	2.16	2.16	0.09	44.02	6.17	25.83	426 432	0.59 7.2%	11.8	clear	N/A -45.6
1219	0.4	2.56	0.08	44.03	6.19	25.81	432	0.48 5.9%	10.6	" "	" " -45.2
1224	0.4	2.96	0.08	44.03	6.17	25.85	433	0.40 5.0%	9.9	" "	-46.6

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

PURGING EQUIPMENT CODES: **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **PP** = Peristaltic Pump; **O** = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Amber Igue / TetraTech	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT:	SAMPLING ENDED AT:
PUMP OR TUBING DEPTH IN WELL (feet): 47	TUBING MATERIAL CODE: Teflon	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP (Y) N	TUBING Y (N (replaced)	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
OLFS4 MW-07S	3	CG	40mL	HCl	preserved	<2	TAL VOCs	RFPP APP	400mLs
↓	2	AG	1L	HCl	" "	" "	LL SVOCs	↓	↓
↓	2	AG	1L	N/A	—	—	TRPH	↓	↓

REMARKS: * 24 TAT* Partially submerged screen criteria

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

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

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.

2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

pH: ± 0.2 units **Temperature:** ± 0.2 °C **Specific Conductance:** ± 5% **Dissolved Oxygen:** all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) **Turbidity:** all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

Revision Date: February 12, 2009

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: Site 4 Saufley Field	SITE LOCATION: Pensacola, FL	
WELL NO: mw-08S	SAMPLE ID: OLFS4 mw-08S	DATE: 4/12/11

PURGING DATA

WELL DIAMETER (inches): 2"	TUBING DIAMETER (inches): 3/4 x 1/4"	WELL SCREEN INTERVAL DEPTH: 40 feet to 55 feet	STATIC DEPTH TO WATER (feet): 45.27	PURGE PUMP TYPE OR BAILER: bladder

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (56.47 feet – 45.27 feet) X 0.16 gallons/foot = 1.8 gallons

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

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 52'	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 52' ~~52~~	PURGING INITIATED AT: 1416	PURGING ENDED AT: 1506	TOTAL VOLUME PURGED (gallons): 4.50

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) μmhos/cm or (μS/cm)	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)	oc
1436	1.8	1.8	0.09	47.25	4.62	26.31	43	5.79, 71.7%	67.9	clear	N/A	15.
1441	0.45	2.25	0.09	" "	4.57	26.39	43	5.59, 69.5%	55.6	"	"	17.9
1446	0.45	2.70	0.09	" "	4.71	26.33	41	5.58, 69.4%	32.9	"	"	22.c
1451	0.45	3.15	0.09	" "	4.69	26.33	42	5.60, 69.4%	26.7	"	"	23.9
1456	0.45	3.60	0.09	" "	4.67	26.31	42	5.50, 68.1%	19.8	"	"	18.0
AL ~~14~~1501	0.45	4.05	0.09	" "	4.64	26.31	41	5.42, 67.1%	16.3	"	"	18.9
1506	0.45	4.50	0.09	" "	4.61	26.30	41	5.56, 69.0%	14.9	"	"	19.6

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

PURGING EQUIPMENT CODES: **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **PP** = Peristaltic Pump; **O** = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Amber Igoe Tetra	SAMPLER(S) SIGNATURE(S): [signature]	SAMPLING INITIATED AT: 1506	SAMPLING ENDED AT: 1544
PUMP OR TUBING DEPTH IN WELL (feet): 52'	TUBING MATERIAL CODE: Teflon	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ μm
FIELD DECONTAMINATION: PUMP (Y) N	TUBING Y (N (replaced))	DUPLICATE: Y (N)	

SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
(SAMPLE CONTAINER SPECIFICATION)				(SAMPLE PRESERVATION)					
4S4 mw08S	3	CG	40mL	HCL	preserved	<2	TAL VOCs	APPBP	~100 mLs
↓	2	AG	1L	HCL	" "	"	TRPH	↓	↓
↓	2	AG	1L	N/A	—	—	LL SVOCs	↓	↓

REMARKS: Partially submerged screen criteria

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

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

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.

2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

pH: ± 0.2 units **Temperature:** ± 0.2 °C **Specific Conductance:** ± 5% **Dissolved Oxygen:** all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) **Turbidity:** all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

Revision Date: February 12, 2009

Waite 883-267-1458

Don 334-972-1540

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: Stufky Field Site 4	SITE LOCATION: Pensacola FL	
WELL NO: MW-09S	SAMPLE ID: OLFS4-MW09S	DATE: 4/13/11

PURGING DATA

WELL DIAMETER (inches): 2"	TUBING DIAMETER (inches): 3/8 x 1/4"	WELL SCREEN INTERVAL DEPTH: 36 feet to 51 feet	STATIC DEPTH TO WATER (feet): 44.34	PURGE PUMP TYPE OR BAILER: bladder

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH − STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (52.78 feet − 44.34 feet) X 0.16 gallons/foot = 1.3 gallons

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

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 49'	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 49'	PURGING INITIATED AT: 0947	PURGING ENDED AT: 1035	TOTAL VOLUME PURGED (gallons): 3.15

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or mS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1015	1.35	1.35	0.09	46.73	4.52	24.64	119	5.33, 64.0%	12.4	clear	NIN
1020	0.45	1.800	0.09	" "	4.74	24.57	117	5.11, 61.4%	10.9	" "	" " 1.2
1025	0.45	2.25	0.09	" "	4.67	24.54	117	4.98, 58.0%	6.7	" "	" " 3.8
1030	0.45	270	0.09	" "	4.53	24.41	117	5.10, 61.1%	4.1	" "	9.2
1035	0.45	3.15	0.09	" "	4.60	24.40	119	5.10, 61.1%	3.9	" "	" 7.9

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

PURGING EQUIPMENT CODES: **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **PP** = Peristaltic Pump; **O** = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Amber Igye / Tetra Tech	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 1035	SAMPLING ENDED AT: 1130
PUMP OR TUBING DEPTH IN WELL (feet): 49'	TUBING MATERIAL CODE: Teflon	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP (Y) N	TUBING Y N (replaced)	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
OLFS4-MW09S	3	CG	40mL	HCL	prepreserved	<2	TAL VOCs	BP	~100 mLs
	2	AG	1L	HCL	" "	" "	TRPH		
	2	AG	1L	ice	—	—	LL SVOCs		
	1	PE	500mL	ice	—	—	BOD		
	1	PE	250mL	ice	—	—	COD		
	1	PE	250mL	ice	—	—	Anions 4IC		
	1	PE	250mL	$NaOH/ZnAc	preserved	—	Sulfide		
	1	PE	250mL	—	—	—	Total Metals Fe, Mn only		
	1	PE	250mL	—	—	—	Dissolved metals Fe, Mn only lab filt		
	2	CG	40mL	BAC	—	—	Dissolved Gases		

REMARKS: MNA parameters no dissolved gases

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

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

NOTES: 1. **The above do not constitute all of the information required by Chapter 62-160, F.A.C.**
2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

pH: ± 0.2 units **Temperature:** ± 0.2 °C **Specific Conductance:** ± 5% **Dissolved Oxygen:** all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) **Turbidity:** all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

Revision Date: February 12, 2009

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: Sanfley Field Site 4	SITE LOCATION: Pensacola FL	
WELL NO: MW-25S	SAMPLE ID: OLFS4-MW-25S	DATE: 4/13/11

PURGING DATA

WELL DIAMETER (inches): 2"	TUBING DIAMETER (inches): 3/4x1/4"	WELL SCREEN INTERVAL DEPTH: 40 feet to 55 feet	STATIC DEPTH TO WATER (feet): 43.08	PURGE PUMP TYPE OR BAILER: bladder

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH − STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (56.30 feet − 43.08 feet) X 0.16 gallons/foot = 2.1 gallons

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

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 48'	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 48'	PURGING INITIATED AT: 0720	PURGING ENDED AT: 0818	TOTAL VOLUME PURGED (gallons): 4.0

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or (µS/cm)	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe) ORP
0750	2.4	2.4	0.08	46.12	6.38	24.31	3170	1.18, 13.7%	19.7	Clear	n/a 38.1
0755	0.4	2.8	0.08	" "	6.28	24.64	3060	0.72, 8.6%	16.9	"	" -27.6
0800	0.4	3.2	0.08	" "	6.27	24.68	3030	0.55, 6.6%	15.0	"	" -17.0
0805	0.4	3.6	0.08	" "	6.27	24.72	3020	0.48, 6.0%	14.6	"	" -7.2
0810	0.4	4.0	0.08	" "	6.26	24.76	3020	0.45, 5.4%	13.7	"	" -14.4

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

PURGING EQUIPMENT CODES: **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **PP** = Peristaltic Pump; **O** = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Amber Tyre TetNUS	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 0810	SAMPLING ENDED AT: 0920
PUMP OR TUBING DEPTH IN WELL (feet): 48'	TUBING MATERIAL CODE: Teflon	FIELD-FILTERED: Y N Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP (Y) N	TUBING Y (N (replaced))	DUPLICATE: (Y) N	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
LFS4-MW25S	3	AG	40mL	HCl	prepreserved	<2	TAL VOCs	APP BP	~100 mLs
↓	2	AG	1L	" "	" "	" "	~~bb~~ TRIP SVOCs/PCBs	↓	↓
↓	2	AG	1L	—	—	—	LL SVOCs	↓	↓

REMARKS: Field Dupicate FD041311101

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

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

NOTES: 1. **The above do not constitute all of the information required by Chapter 62-160, F.A.C.**

2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

pH: ± 0.2 units **Temperature:** ± 0.2 °C **Specific Conductance:** ± 5% **Dissolved Oxygen:** all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) **Turbidity:** all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

Revision Date: February 12, 2009

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: Site 4 Sanfley Field	SITE LOCATION: Pensacola FL	
WELL NO: mw-27S	SAMPLE ID: QFS4-~~255~~-27S	DATE: 4/13/11

PURGING DATA

WELL DIAMETER (inches): 2"	TUBING DIAMETER (inches): 3/4 x 1/4"	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 44.98	PURGE PUMP TYPE OR BAILER: bladder

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH − STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (55.56 feet − 44.98 feet) X 0.16 gallons/foot = 1.7 gallons

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

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 46'	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 46'	PURGING INITIATED AT: 1613	PURGING ENDED AT: 1647	TOTAL VOLUME PURGED (gallons) 3.06

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe) ORP
1632 ~~1622~~	1.71	1.71	0.09	47.12	6.38	25.43	103	8.05, 98.2%	43.2	clear	N/A -25.6
1637 ~~1627~~	0.45	2.16	0.09	" "	6.57	25.38	103	8.05, 98.2%	43.2	"	" -24.7
1642 ~~1632~~	0.45	2.61	0.09	" "	6.58	25.37	103	8.06, 98.3%	43.1	"	" -24.5
1647 ~~1637~~	0.45	3.06	0.09	" "	6.55	25.33	102	8.06, 98.3%	43.0	"	" -23.4

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

PURGING EQUIPMENT CODES: **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **PP** = Peristaltic Pump; **O** = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Amber Igoe / Tetra Tech	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: ~~1627~~ 1647	SAMPLING ENDED AT: 1732
PUMP OR TUBING DEPTH IN WELL (feet):	TUBING MATERIAL CODE: Teflon	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP (Y) N	TUBING Y (N (replaced))	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
QFS4-27S	3	CG	40mL	HCL	pre-preserved	<2	TAL VOCs	APP/BP	100 mL/min
	2	AG	1L	" "	" "	" "	TRPH	↓	↓
↓	2	AG	1L	—	—	—	LL SVOCs	↓	↓

REMARKS:

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

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

NOTES: 1. **The above do not constitute all of the information required by Chapter 62-160, F.A.C.**

2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

pH: ± 0.2 units **Temperature:** ± 0.2 °C **Specific Conductance:** ± 5% **Dissolved Oxygen:** all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) **Turbidity:** all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

Revision Date: February 12, 2009

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: Saufley Field Site 4	SITE LOCATION: Pensacola FL	
WELL NO: MW-30S	SAMPLE ID: OLF 54-MW30S	DATE: 4/14/11

PURGING DATA

WELL DIAMETER (inches): 2"	TUBING DIAMETER (inches): 1/2"	WELL SCREEN INTERVAL DEPTH: 24 feet to 39 feet	STATIC DEPTH TO WATER (feet): 27.74	PURGE PUMP TYPE OR BAILER: Bennett

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

= (40.20 feet − 27.74 feet) X ~~0.010~~ 0.16 gallons/foot = 1.9 gallons

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

= gallons + (gallons/foot X feet) + gallons = gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 35'	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 35'	PURGING INITIATED AT: 1254	PURGING ENDED AT: 1339	TOTAL VOLUME PURGED (gallons): 2.0

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or (mS/cm)	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1304											ORP
~~1259~~	2.0	2.0	0.2	30.22	6.05	26.22	110	5.98, 73.1%	27.8	clear	none −149.9
				Recharged well pumped dry							
1339					6.07	26.21	113	5.77, 70.1%	10.9	"	" −22.7

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

PURGING EQUIPMENT CODES: **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **PP** = Peristaltic Pump; **O** = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Amber Jager TetraTech	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 1339	SAMPLING ENDED AT: 1400
PUMP OR TUBING DEPTH IN WELL (feet): 35'	TUBING MATERIAL CODE: Teflon	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP (Y) N	TUBING (Y) N (replaced)	DUPLICATE: (Y) MW-4	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
XFMW30S	3	CG	40 mL	HCl	preserved	<2	TAL VOCs	Bennett	200 mLs
	2	AG	1L	HCl	" "	<2	TRPH		500 mLs
	2	AG	1L	Ice	N/A	NA	LL SVOCs		
	1	PE	500 mL	H_2SO_4	preserved	<2	BOD		
	1	PE	250 mL				COD		
	1	PE	250mL	↓		↓	Anions A/C		

REMARKS: MNA well dissolved gas H_2O no air MNA dup FD 041411 01

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

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

NOTES: 1. **The above do not constitute all of the information required by Chapter 62-160, F.A.C.**

2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

pH: ± 0.2 units **Temperature:** ± 0.2 °C **Specific Conductance:** ± 5% **Dissolved Oxygen:** all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) **Turbidity:** all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

1	PE	250mL	NaOH	preserved	710	Sulfide
1	PE	250 mL	—	N/A	N/A	Total metals Fe/Mn only
1	PE	250 mL	—	N/A	N/A	Dissolved metals Fe/Mn only
2	AG	40 mL	BAK	preserved	<2	Dissolved gases H_2O only

Revision Date: February 12, 2009

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: Saufley Field Site 4	SITE LOCATION: Pensacola FL	
WELL NO: 0 mw-315	SAMPLE ID: 0SFS4 mw315	DATE: 4/15/11

PURGING DATA

WELL DIAMETER (inches): 2"	TUBING DIAMETER (inches): 1/2"	WELL SCREEN INTERVAL DEPTH: 24 feet to 34 feet	STATIC DEPTH TO WATER (feet): 27.10	PURGE PUMP TYPE OR BAILER: Bennett

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH − STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (40.30 feet − 27.10 feet) X .16 gallons/foot = 2.10 gallons

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

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 36'	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 36'	PURGING INITIATED AT: 0746	PURGING ENDED AT: 0810	TOTAL VOLUME PURGED (gallons): 6.0

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or (µS/cm)	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe) ORP
0755	2.25	2.25	0.25	30.09	5.97	23.09	134	0.78, 9.1%	6.79	clear	none -23.9
0800	1.25	3.50	0.25	30.11	6.04	23.41	144	0.57, 6.7%	4.86	"	" -35.0
0805	1.25	4.75	0.25	"	5.96	23.52	149	0.56, 6.7%	3.97	"	" -34.4
0810	1.25	6.0	0.25	"	5.92	23.59	146	0.54, 6.3%	3.32	"	" -34.7

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

PURGING EQUIPMENT CODES: **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **PP** = Peristaltic Pump; **O** = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: /TETRA TECH	SAMPLER(S) SIGNATURE(S): Amber Igoe	SAMPLING INITIATED AT: 0810	SAMPLING ENDED AT: 0818
PUMP OR TUBING DEPTH IN WELL (feet): 36'	TUBING MATERIAL CODE: Teflon	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP (Y) N	TUBING (Y) N (replaced)	DUPLICATE: Y N	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
0SFS4 mw315	3	~~AG~~ CG	40mL	HCL	prepreserved	<2	TAL VOCs	Bennett	~100mL/s
↓	2	AG	1L	HCL	"	<2	~~TRIP SVOCs~~	↓	~500 mL/s
↓	2	AG	1L	Ice	ice	N/A	TAL SVOCs	↓	↓

REMARKS:

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

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

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.

2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

pH: ± 0.2 units **Temperature:** ± 0.2 °C **Specific Conductance:** ± 5% **Dissolved Oxygen:** all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) **Turbidity:** all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

Revision Date: February 12, 2009

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME:	Saufley Field Site 4	SITE LOCATION:	Pensacola FL	
WELL NO:	MW-32S	SAMPLE ID:	ALFS4 MW32S	DATE: 4/13/11

PURGING DATA

WELL DIAMETER (inches):	TUBING DIAMETER (inches):	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet):	PURGE PUMP TYPE OR BAILER:
2"	1/2"		26.74	Bennet

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

= (39.45 feet – 26.74 feet) X 0.16 gallons/foot = 2.0 gallons

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

= gallons + (gallons/foot X feet) + gallons = gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet):	FINAL PUMP OR TUBING DEPTH IN WELL (feet):	PURGING INITIATED AT:	PURGING ENDED AT:	TOTAL VOLUME PURGED (gallons):
24'	24'	1128	1154	5.0

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1139	2.0	2.0	0.2	26.99	6.03	24.93	111	2.08, 25.1%	58.9	light orange	none
1144	1.0	3.0	0.2	26.98	6.06	25.43	110	1.93, 23.3%	43.7	clear	none
1149	1.0	4.0	0.2	" "	6.08	25.49	110	1.78 21.7%	41.4	" "	" "
1154	1.0	5.0	0.2		5.95	25.46	110	1.88, 22.7%	41.3	" "	" "

WELL CAPACITY (Gallons Per Foot): **0.75"** = 0.02; **1"** = 0.04; **1.25"** = 0.06; **2"** = 0.16; **3"** = 0.37; **4"** = 0.65; **5"** = 1.02; **6"** = 1.47; **12"** = 5.88

TUBING INSIDE DIA. CAPACITY (Gal./Ft.): **1/8"** = 0.0006; **3/16"** = 0.0014; **1/4"** = 0.0026; **5/16"** = 0.004; **3/8"** = 0.006; **1/2"** = 0.010; **5/8"** = 0.016

PURGING EQUIPMENT CODES: **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **PP** = Peristaltic Pump; **O** = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION:	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT:	SAMPLING ENDED AT:
Amber Igoe Tetra Tech		1154	1210

PUMP OR TUBING DEPTH IN WELL (feet):	TUBING MATERIAL CODE:	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm
24'	Teflon		

FIELD DECONTAMINATION: PUMP (Y) N TUBING (Y) N (replaced) DUPLICATE: Y (N)

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
ALFS4 MW32S	3	CG	40mL	HCl	preserved	<2	TAL VOCs	Bennet	~ 100 mls
	2	AG	1L	HCl	" "	<2	TRPH		~500 mls
	2	AG	1L	ice	NA	NA	LL SVOCs		
	1	PE	500mL	H_2SO_4	preserved H_2SO_4	<2	BOD		
	1	PE	250 mL				COD		
	1	PE	250 mL				Anions A11C		

REMARKS: MNA parameters dissolved gases in H_2O, no air sample

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

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

NOTES: 1. **The above do not constitute all of the information required by Chapter 62-160, F.A.C.**

2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

pH: ± 0.2 units **Temperature:** ± 0.2 °C **Specific Conductance:** ± 5% **Dissolved Oxygen:** all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) **Turbidity:** all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

1	PE	250mL ~~40mL~~	NaOH	preserved	710	Sulfide
1	PE	250	—	NA	NA	Total metals Fe/Mn only
1	PE	250	—	NA	NA	Dissolved ~~gases~~ metals Fe/Mn only
2	AG	BAK 40mL	BAK	preserved	or	~~Dissolved~~ Dissolved

Revision Date: February 12, 2009

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: Sanfley Field Site 4	SITE LOCATION: Pensacola FL	
WELL NO: MW 37S	SAMPLE ID: OLF54-MW37S	DATE: 4/13/11

PURGING DATA

WELL DIAMETER (inches): 2"	TUBING DIAMETER (inches): 3/8x1/4"	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 46.60	PURGE PUMP TYPE OR BAILER: BP

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

= (65.60 feet − 46.60 feet) X 0.16 gallons/foot = 3 gallons

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

= gallons + (gallons/foot X feet) + gallons = gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 48'	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 48'	PURGING INITIATED AT: 1336	PURGING ENDED AT: 1420	TOTAL VOLUME PURGED (gallons): 4.50

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or mS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe) ORP
1411	3.15	3.15	0.08	48.15	5.30	24.50	76	7.02, 83.9%	9.75	clear	N/A -17.5
1416	0.45	3.60	0.08	48.15	5.10	24.48	77	6.29, 75.3%	8.21	"	" -15.5
1421	0.45	4.05	0.08	48.15	4.94	24.52	81	6.16, 73.8%	8.19	"	" -13.7
1426	0.45	4.50	0.08	48.15	5.03	24.61	81	6.12, 73.6%	8.17	"	" -12.2

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

PURGING EQUIPMENT CODES: **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **PP** = Peristaltic Pump; **O** = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Amber Jaco/ TetraTech	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 1428	SAMPLING ENDED AT: 1515
PUMP OR TUBING DEPTH IN WELL (feet): 48'	TUBING MATERIAL CODE: Teflon	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP (Y) N	TUBING Y (N (replaced))	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
OLF54-MW37S	3	VG	40mL	HCl	prepreserved	<2	TAL VOCs	BP	100-250
	2	AG	1L	HCl	" "	" "	TRPH		
	2	AG	1L	ice	—	—	LL SVOCs		
	1	PE	500mL	~~HCl~~ H2SO4	prepreserved	—	B00		
	1	PE	250mL	ice	—	—	C00		
	1	PE	250mL	ice	—	—	Anions, Alk		

REMARKS:
MW4 well — no dissolved gases

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

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

NOTES: 1. **The above do not constitute all of the information required by Chapter 62-160, F.A.C.**
2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

pH: ± 0.2 units **Temperature:** ± 0.2 °C **Specific Conductance:** ± 5% **Dissolved Oxygen:** all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) **Turbidity:** all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

1 PE	250mL	NaOH	prepreserved	—	Sulfide
1 PE	250mL	—	—	—	Total metals Fe/Mn only
1 PE	250mL	—	—	—	Dissolved metals Fe/Mn only
VG	40mL	HAC	—	—	Dissolved gases
VG	40mL	—			

Revision Date: February 12, 2009

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: Saufley Field Site 4	SITE LOCATION: Pensacola FL	
WELL NO: MW-020	SAMPLE ID: OLFS4-020 MW 020	DATE: 4/15/11

PURGING DATA

WELL DIAMETER (inches): 2"	TUBING DIAMETER (inches): 3/4 x 1/4"	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 45.52	PURGE PUMP TYPE OR BAILER: bladder

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH − STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (80.04 feet − 45.52 feet) X 0.16 gallons/foot = 5.5 gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
= 0.1 gallons + (0.010 gallons/foot X 150 feet) + 0.1 gallons = 1.7 gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 75'	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 75'	PURGING INITIATED AT: 0957	PURGING ENDED AT: 1045	TOTAL VOLUME PURGED (gallons): 10.0

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or (µS/cm)	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1005	2.0	2.0	0.25	47.21	6.77	24.22	106	6.10, 73.0%	1.50	clear	none OK
1010	1.0	3.0	0.25	47.21	6.64	24.77	70	5.96, 71.9%	11.6	"	none -18.0
1015	1.0	4.0	0.25	47.22	5.61	25.11	59	5.43, 65.7%	11.8	"	" -19.5
1020	1.0	5.0	0.25	"	5.36	25.07	62	5.46, 65.3%	12.5	"	-22.7
1025	1.0	6.0	0.25	"	5.24	25.06	64	0.73, 8.9%	13.1	"	-26.9
1030	1.0	7.0	0.25	"	5.14	25.06	61	0.99, 0.7%	13.3	"	-25.8
1035	1.0	8.0	0.25	"	4.89	25.06	52	0.98, 10.8%	15.6	"	-22.1
1040	1.0	9.0	0.25	"	4.77	25.06	51	0.97, 10.6%	13.7	"	-21.3
1045	1.0	10.0	0.25	"	4.77	25.06	51	0.97, 10.6%	11.9	"	-21.1

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

PURGING EQUIPMENT CODES: **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **PP** = Peristaltic Pump; **O** = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Amber Igoe / TI	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 1045	SAMPLING ENDED AT: 1057
PUMP OR TUBING DEPTH IN WELL (feet): 75'	TUBING MATERIAL CODE: Teflon	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP (Y) N	TUBING Y (N (replaced))	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			
-020	3	CG	40mL	HCl	prepreserved	<2	TAL VOCs	APP	~100mL/min
	2	AG	1L	—	—	—	LL SVOCs	↓	↓
	2	AG	1L	HCl	prepreserved	<2	TRPH	↓	↓

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

CODES: **APP** = After Peristaltic Pump; **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **RFPP** = Reverse Flow Peristaltic Pump; **SM** = Straw Method (Tubing Gravity Drain); **O** = Other (Specify)

...o not constitute all of the information required by Chapter 62-160, F.A.C.

...CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

...emperature: ± 0.2 °C **Specific Conductance:** ± 5% **Dissolved Oxygen:** all readings ≤ 20% saturation (see Table FS 2200-2); ...g/L or ± 10% (whichever is greater) **Turbidity:** all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

Revision Date: February 12, 2009

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: Sanfley Field Site 4	SITE LOCATION: Pensacola FL	
WELL NO: MW-040	SAMPLE ID: OLFS4 - MW040	DATE: 4/14/11

PURGING DATA

WELL DIAMETER (inches): 2"	TUBING DIAMETER (inches): 3/8 x 1/4	WELL SCREEN INTERVAL DEPTH: 74 feet to 79 feet	STATIC DEPTH TO WATER (feet): 46.64	PURGE PUMP TYPE OR BAILER: bladder

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (feet – feet) X gallons/foot = gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
= 0.1 gallons + (0.006 gallons/foot X 76 feet) + 0.1 gallons = 0.7 gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 76'	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 76'	PURGING INITIATED AT: 0812	PURGING ENDED AT: 0837	TOTAL VOLUME PURGED (gallons): 2.25

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or (µS/cm)	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)	
0822	0.9	0.9	0.09	46.68	4.88	23.64	51	6.58, 77.2%	11.5	clear	N/A	3.0
0827	0.45	1.35	0.09	" "	4.76	23.87	49	6.06, 71.8%	3.39	"	"	1.7
0832	0.45	1.80	0.09	" "	4.68	24.00	48	6.06, 71.7%	3.12	"	"	0.9
0837	0.45	2.25	0.09	" "	4.69	24.04	48	6.05, 71.6%	1.73	"	"	0.0

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

PURGING EQUIPMENT CODES: **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **PP** = Peristaltic Pump; **O** = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Amber Igoe / TtNUS	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 0837	SAMPLING ENDED AT: 0917
PUMP OR TUBING DEPTH IN WELL (feet): 76'	TUBING MATERIAL CODE: Teflon	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP (Y) N	TUBING Y (N (replaced))	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
OLFS4 MW040	3	CG	40 mL	HCL	prepreserved	<2	TAL VOCs	BP	~100 mLs
	2	AG	1 L	" "	" "	" "	TRPH	↓	↓
	2	AG	1L	ice	N/A	N/A	LL sVOCs	↓	↓

REMARKS:

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

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

NOTES: 1. **The above do not constitute all of the information required by Chapter 62-160, F.A.C.**

2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

pH: ± 0.2 units **Temperature:** ± 0.2 °C **Specific Conductance:** ± 5% **Dissolved Oxygen:** all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) **Turbidity:** all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

Revision Date: February 12, 2009

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: Sanfley Field Site 4	SITE LOCATION: Pensacola FL	
WELL NO: mw-140	SAMPLE ID: OLFS4 mw-140	DATE: 4/15/11

PURGING DATA

WELL DIAMETER (inches): 2"	TUBING DIAMETER (inches): 3/4 x 1/4"	WELL SCREEN INTERVAL DEPTH: 75 feet to 80 feet	STATIC DEPTH TO WATER (feet): 44.51	PURGE PUMP TYPE OR BAILER: bladder

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH − STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (80.84 feet − 44.51 feet) X 0.16 gallons/foot = 5.8 gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
= 0.1 gallons + (0.00 gallons/foot X 150 feet) + 0.1 gallons = 1.7 gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 73'	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 73'	PURGING INITIATED AT: 0621	PURGING ENDED AT: 0643	TOTAL VOLUME PURGED (gallons): 4.0

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
0631	2.0	2.0	0.2	47.54	4.94	23.66	62	6.01, 70.9%	10.30	clear	none ~7.1
0636	1.0	3.0	0.2	47.60	4.96	23.62	62	6.02, 90.0%	2.64	"	" ~6.8
0641	1.0	4.0	0.2	47.60	5.02	23.55	62	5.99, 70.8%	2.60	"	" ~10.8

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

PURGING EQUIPMENT CODES: **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **PP** = Peristaltic Pump; **O** = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Amber Igoe GA Tech	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 0643	SAMPLING ENDED AT: 0704
PUMP OR TUBING DEPTH IN WELL (feet): 73'	TUBING MATERIAL CODE: Teflon	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP (Y) N	TUBING Y (N) (replaced)	DUPLICATE: (Y) N	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
OLFS4 mw-140	3	CG	40mL	HCL	prepreserved	<2	TAL VOCs	BP	~100 mLs
↓	2	AG	1L	HCL	" "	"	TRPH	↓	↓
↓	2	AG	1L	—	—	—	— LLs VOCs	↓	↓

REMARKS: Dup FD 041511 01

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

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

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.

2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

pH: ± 0.2 units **Temperature:** ± 0.2 °C **Specific Conductance:** ± 5% **Dissolved Oxygen:** all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) **Turbidity:** all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

Revision Date: February 12, 2009

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: Sanfley Field Site 4	SITE LOCATION: Pensacola FL	
WELL NO: 6000 MW-290	SAMPLE ID: OLF54 290	DATE: 4/15/11

PURGING DATA

WELL DIAMETER (inches): 2"	TUBING DIAMETER (inches): 1/2"	WELL SCREEN INTERVAL DEPTH: 70 feet to 75 feet	STATIC DEPTH TO WATER (feet): 38.12	PURGE PUMP TYPE OR BAILER: Bennett

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH − STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (feet − feet) X gallons/foot = gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
= 0.1 gallons + (0.010 gallons/foot X 150 feet) + 0.1 gallons = 1.7 gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 74'	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 74'	PURGING INITIATED AT: 0859	PURGING ENDED AT: 0923	TOTAL VOLUME PURGED (gallons): 6.0

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or (µS/cm)	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe) ORP
0908	2.25	2.25	0.25	46.73	5.27	22.97	44	0.40, 4.6%	4.26	clear	none -45.3
0913	1.25	3.50	0.25	46.77	5.27	23.33	46	0.55, 6.5%	3.16	"	" -40.5
0918	1.25	4.75	0.25	46.77	5.27	23.43	46	0.64, 8.1%	2.49	"	" -41.0
0923	1.25	6.00	0.25	46.77	5.27	23.37	45	0.57, 6.7%	1.42	"	" -39.3

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

PURGING EQUIPMENT CODES: **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **PP** = Peristaltic Pump; **O** = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Amber Jaye / TT	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 0923	SAMPLING ENDED AT: 0929
PUMP OR TUBING DEPTH IN WELL (feet): 74'	TUBING MATERIAL CODE: Teflon	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP (Y) N	TUBING (Y) N (replaced)	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
OLF54-290	3	CG	40mL	HCL	pre-preserved	<2	TAL VOCs	O	~100mls
↓	2	AG	1L	HCL	"	<2	TRPH		~500mL
↓	2	AG	1L	ice	N/A	N/A	LL SVOCs		↓

REMARKS:

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

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

NOTES: 1. **The above do not constitute all of the information required by Chapter 62-160, F.A.C.**

2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

pH: ± 0.2 units **Temperature:** ± 0.2 °C **Specific Conductance:** ± 5% **Dissolved Oxygen:** all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) **Turbidity:** all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

Revision Date: February 12, 2009

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: Sanfley Field 5.1c 4	SITE LOCATION: Pensacola FL	
WELL NO: mw 465	SAMPLE ID: OLF mw 465	DATE: 4/14/11

PURGING DATA

WELL DIAMETER (inches): 2"	TUBING DIAMETER (inches): ¼"	WELL SCREEN INTERVAL DEPTH: 45 feet to 55 feet	STATIC DEPTH TO WATER (feet): 26.39	PURGE PUMP TYPE OR BAILER: Bennett

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

= (56.54 feet − 26.39 feet) X .16 gallons/foot = 4.8 gallons

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

= 0.1 gallons + (0.010 gallons/foot X 150 feet) + 0.1 gallons = 1.5 gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 50'	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 50'	PURGING INITIATED AT: 1725	PURGING ENDED AT:	TOTAL VOLUME PURGED (gallons):

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)	
1735	2.0	2.0	0.2	27.10	5.64	23.44	7	4.62, 54.9%	15.9	clear	none	-10.7
1740	1.0	3.0	0.2	" "	6.44	23.45	621	4.25, 50.0%	113			-46.2
1745	1.0	4.0	0.2	" "	6.46	23.44	641	1.42, 16.0%	87.3			-47.4
1750	1.0	5.0	0.2	" "	6.55	23.47	644	0.50, 5.8%	35.2			-42.6
1755	1.0	6.0	0.2	" "	6.54	23.47	651	0.52, 6.0%	25.2			-45.9
1800	1.0	7.0	0.2	" "	6.51	23.46	658	0.51, 6.0%	18.2			-47.2
1805	1.0	8.0	0.2	" "	6.46	23.45	669	0.38, 4.5%	10.26			-48.7
1810	1.0	9.0	0.2	" "	6.44	23.43	672	0.34, 4.0%	68.4			-47.7
1815									43.0			
1900									8.88			

OLF

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

PURGING EQUIPMENT CODES: **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **PP** = Peristaltic Pump; **O** = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Amber Igoe / TetraTech	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 1900	SAMPLING ENDED AT: 1905
PUMP OR TUBING DEPTH IN WELL (feet): 50'	TUBING MATERIAL CODE: Teflon	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP (Y) N	TUBING (Y) N (replaced)	DUPLICATE: (Y) N	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
OLFS4 mw465	1	PE	500mL	HNO_3	preserved	<2	Select metals	Bennett	~500mLs

REMARKS: Dup FD 041411 02 Aluminum, iron, chromium, manganese + nickle

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

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

NOTES: 1. **The above do not constitute all of the information required by Chapter 62-160, F.A.C.**

2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

pH: ± 0.2 units **Temperature:** ± 0.2 °C **Specific Conductance:** ± 5% **Dissolved Oxygen:** all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) **Turbidity:** all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

Revision Date: February 12, 2009

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: Sanflex Field Site 4		SITE LOCATION: Pensacola, FL	
WELL NO: MW-29D	SAMPLE ID: OLFS4 MW-29D		DATE: 5/25/11

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches):	WELL SCREEN INTERVAL DEPTH: 74.85 feet to 79.85 feet	STATIC DEPTH TO WATER (feet) 40.94	PURGE PUMP TYPE OR BAILER:

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (79.85 feet – 40.94 feet) X 0.16 gallons/foot = 6.2 gallons

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

INITIAL PUMP OR TUBING DEPTH IN WELL (feet):	FINAL PUMP OR TUBING DEPTH IN WELL (feet):	PURGING INITIATED AT:	PURGING ENDED AT:	TOTAL VOLUME PURGED (gallons):
45	45	12:10	1350	10 gal

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or (µS/cm)	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)	
1250	6.2	6.2	0.1	40.96	5.03	26.7	0.5	38.5/3.15	2.21	Clear	none	21
1305	1.6	7.8	0.1	40.97	5.03	26.9	0.4	38.4/3.11	2.41	clear	none	20
1320	1.6	9.4	0.15	40.96	5.01	26.9	0.4	38.6/3.20	0.54	clear	none	
				Stable								

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

PURGING EQUIPMENT CODES: **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **PP** = Peristaltic Pump; **O** = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Yarissa Martinez/TAMUS	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 1325	SAMPLING ENDED AT: 1350
PUMP OR TUBING DEPTH IN WELL (feet):	TUBING MATERIAL CODE: Teflon	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP (Y) N	TUBING Y (N (replaced)	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
OLFS4 MW29D	3	CG	40mL	HCl	pre preserved	<2	TAL VOC	APP	0.1 gpm
	2	AG	1L	—	↓	-	TRPH	↓	↓
	2	AG	1L	HCl		<2	LL SVOC	↓	↓

REMARKS:
Started purging at 0.2 gpm

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

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

NOTES: 1. **The above do not constitute all of the information required by Chapter 62-160, F.A.C.**

2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

pH: ± 0.2 units **Temperature:** ± 0.2 °C **Specific Conductance:** ± 5% **Dissolved Oxygen:** all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) **Turbidity:** all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

Revision Date: February 12, 2009

Tetra Tech NUS, Inc.

GROUNDWATER LEVEL MEASUREMENT SHEET

Project Name: Sawfley Field Site 4 **Project No.:** 112G00389
Location: Pensacola, Florida **Personnel:** Yaissa Martinez, Jim Goeckt, Ken L
Weather Conditions: Sunny **Measuring Device:** Heron
Tidally Influenced: Yes ___ No X **Remarks:** 2406DMW29 not found

Well or Piezometer Number	Date 2011	Time	Elevation of Reference Point (feet)*	Total Well Depth (feet)*	Water Level Indicator Reading (feet)*	Thickness of Free Product (feet)*	Groundwater Elevation (feet)*	Comments
MW26D	5/25	1320	81.98	81.41	40.59		41.39	
MW10D	5/25	1330	83.30	84.92	41.75		41.55	
MW29D	5/25	1330	~~82.57~~ 82.21		40.94		41.27	
MW14D	5/25	1449	81.49	79.96	45.61		35.88	
MW04D	5/25	1510	83.41	79.11	47.71		35.70	
MW02D	5/25	1548	81.85	79.58	46.59		35.26	
MW01D2	5/25	1559	81.44 more than	101.69	47.81		33.63	
2406 DMW30	5/25	1604	82.26	80.60	39.73		42.53	
2406 DMW24			not found					
2406 DMW28	5/25	1624	90.70	79.64	46.26		44.44	
2406 DMW25	5/25	1635	83.28	79.98	46.28		37.00	

* All measurements to the nearest 0.01 foot

Tetra Tech NUS, Inc.

GROUNDWATER LEVEL MEASUREMENT SHEET

Project Name: Site 4 Saufley Field
Project No.: 112G-00389
Location: Pensacola FL
Personnel: Amber Igor Teresa, Tad Trumbo, Tha
Weather Conditions: Sunny 83°
Measuring Device: Slope water level meter
Tidally Influenced: Yes ___ No X
Remarks:

Well or Piezometer Number	Date	Time	Elevation of Reference Point (feet)*	Total Well Depth (feet)*	Water Level Indicator Reading (feet)*	Thickness of Free Product (feet)*	Groundwater Elevation (feet)*	Comments
mw06S	4/11/11	1523	82.59	55.52	44.64		37.95	
mw15S			82.71	55.48	42.83		39.98	
mw16S			83.24	54.49	41.73		41.51	
mw19S			83.03	54.87	43.69		39.34	
mw10S			82.84	54.84	36.04		46.80	
mw17S			83.45	55.10	37.00		46.45	
mw24S			82.42	55.37	45.05		37.37	
mw38S			82.50	40.87	42.93		39.57	
mw40S			82.91	40.55	43.00		39.91	
mw41S			82.95	64.77	38.99		43.96	
mw20S			83.31	44.55	32.70		50.61	
mw21S			83.41	44.54	33.22		50.19	
mw13S			83.22	44.87	30.11		53.11	
mw12S			83.50	45.03	30.77		52.73	
mw11S			83.50	39.66	29.77		53.73	
mw28S			81.72	45.11	27.48		54.24	
mw43S			82.09	51.12	27.30		54.79	
mw44S			81.37	54.66	25.98		55.39	
mw45S			81.42	60.94	28.08		53.33	
mw42S			84.01	46.32	29.88		54.13	
mw34S			83.27	39.39	29.68		53.59	
mw36S			82.52	38.90	27.33		55.19	
mw32S			82.71	39.52	27.10		55.61	
mw35S		1643	82.39	35.87	27.17		55.22	
A1 [illegible]		1643						

* All measurements to the nearest 0.01 foot

Tetra Tech NUS, Inc.

GROUNDWATER LEVEL MEASUREMENT SHEET

Project Name: Sanford Field Site 4 **Project No.:** 112G0389
Location: Pensacola, FL **Personnel:** Amber Igor, Texas, Tad Fambel, Texas
Weather Conditions: Sunny 83° **Measuring Device:** Slope water level meter
Tidally Influenced: Yes ___ No ✓ **Remarks:**

Well or Piezometer Number	Date	Time	Elevation of Reference Point (feet)*	Total Well Depth (feet)*	Water Level Indicator Reading (feet)*	Thickness of Free Product (feet)*	Groundwater Elevation (feet)*	Comments
mw-03S	4/11/11	1601	82.27	59.42	41.91		40.36	
mw-05S		1558	82.86	54.95	43.93		38.93	
mw-07S		1535	82.97	56.80	43.61		39.36	
mw-08S		1547	83.35	56.47	45.27		38.08	
mw-09S		1540	83.27	52.78	44.34		38.88	
mw-25S		1538	82.52	56.30	43.08		39.44	
mw-27S		1550	82.33	55.56	44.98		37.35	
mw-30S		1628	82.51	40.20	27.74		54.77	
mw-31S		1625	83.14	40.30	27.10		56.04	
mw-32S		1630	82.55	39.95	26.74		55.01	
mw-37S		1556	82.50	65.60	46.60		35.90	
mw-02D		1605	81.85	80.04	45.52		36.33	
mw-04D		1544	83.41	79.85	46.64		36.77	
mw-14D		1617	81.49	80.84	44.51		36.98	
2406 DW mw-29D*		1610	82.21	78.79	38.12		44.09	
mw-46S	↓	1635	83.36	56.54	26.39		56.97	

* All measurements to the nearest 0.01 foot

* mw-29D was actually ~~2406~~ DWM29

APPENDIX F

GEOPHYSICAL SURVEY REPORT

Introduction.
On 2006 June 27-30, a geophysical survey was performed at Hangers 807 and 810 of Saufley Field in Pensacola, Florida. The objective was to identify the presence and location of underground storage tanks (UST) on the east side of the hangers. Tank 807-B (2,000 gal.) contained used oil, 808-C (1,000 gal.) kerosene, and 807-D (1,000 gal.) contained gasoline. The three 807 tanks were reportedly removed in late 1980; no information was available on tanks at Hanger 810.

Equipment Used.
Two types of geophysical instruments were used to identify the presence of USTs at the hangers: a high resolution metal detector and ground penetrating radar (GPR). The high resolution metal detector is the Geonics EM61-MK2; the GPR is the GSSI's SIR3000 with a 400 MHz and 270 MHz antennae. Positions of the EM61 readings and surface features were collected with a Trimble PRO-XRS, mapping-grade global positioning system (GPS). At Hanger 807, GPS positions were collected simultaneously with EM61 data via a NMEA stream to the EM data recorder. At Hanger 810, GPS positions were collected separately from the EM data and later merged.

The EM61-MK2 is a high sensitivity high resolution 4 channel time-domain electromagnetic (TDEM) metal detector. It consists of a powerful transmitter that generates a pulsed primary magnetic field, with induces eddy currents in nearby metallic objects. The decay of these currents is measured by two receiver coils (1 m X 0.5 m) mounted on the coil assembly. The responses are recorded and displayed on a digital recorder. The EM61-MK2 detects a single 55 gal drum at a depth of over 3 meters. The EM61 records three time channels measured by the bottom receiver coil (D1, D2, D3) and one channel from the top coil which is used to calculate the differential channel (D) to suppress the response of near surface objects. Thus anomalies identified in the D1 channel are shallower than anomalies identified in the D channel and those in the D2 and D3 channel are at intermediate depths. The EM61 survey was performed by slowly walking the instrument across the project site along a north-south system of parallel transect lines with a 3 foot separation. The EM61 instrument was calibrated and nulled (zeroed) on the reinforced concrete but away from the area of interest and did not contain concrete patches that might indicate the presence of pipes. The clock in the EM data recorder was synchronized with the GPS data recorder.

GPR transmits high frequency EM waves into the ground and records the energy reflected back to the ground surface. An antenna serves as both a transmitter and receiver, and a profiling recorder that both processes the incoming signal and provides a graphic display of the data. The GPR survey provides a graphic cross-sectional profile view of subsurface conditions. The profile is created from the reflections of repetitive short-duration EM waves that are generated as the antenna is pulled across the ground surface. The reflections occur at the subsurface contacts between materials with differing electrical properties. The greater the electrical contrast between the surrounding earth materials and the target of interest, the greater the amplitude of the reflected return signal. Unless the buried object is metal, only part of the signal energy will be reflected back to the antenna with the remaining portion of the signal continuing to propagate downward to

be reflected by deeper features. The GPR signal is absorbed as it passes through earth material. Higher conductive clays and organic materials absorb more of the GPR signal and reduce the signal penetration depth. The depth of penetration of the GPR signal is also reduced as the antenna frequency is increased but the resolution of the data is improved. A 400 MHz antenna was used for most of the profiles. Lower frequency antennae (270 MHz) produce greater depth of penetration but reduced resolution.

Site Conditions.
Contour maps of the four TDEM responses were overlain on base maps in US State Plane, NAD83, Florida CS83 North Zone, US survey feet. The surface outside the hanger is concrete with wire mesh reinforcement. North of the hangers, an abandoned steam channel/duct contains water and can be located by flush-mounted metal doors. The doors have small holes cut in them and are open to the surface.

Building contacts are Billy Cominiti (850-380-8022) with DFAS at Hanger 807 and Phil Littrill (850-458-7250) with Saufley Federal Prison at Hanger 810. Parked cars were removed during the survey at Hanger 807 but buses and equipment remained at Hanger 810. The area east of Hanger 807 was surveyed and the area both east and west of Hanger 810 was surveyed. Wire mesh reinforcement wire was visible on the surface in a slab at Hanger 807 East

Results.
The EM61 results were contoured and overlain on a base map of Saufley Field. GPR profiles were compiled and annotated. Both north-south and east-west GPR profiles were collected; some GPR profiles were collected west to east.

EM61 at Hanger 807 East.
The contoured EM61 results of the D1 (shallow) response identify two or three linear features or high amplitude (pink and red) anomalies that could indicate pipes. It is unknown why the linear objects do not extend south of the concrete into the grass island. Contoured results of the remaining channels (D2, D3 and differential) at Hanger 807 are all similar to each other and show four or five blocky discontinuous features of high amplitude (pink and red outlined by yellow) may also be associated with mesh reinforcement in concrete slabs. The differential response, however, shows three small high amplitude anomalies that could indicate tanks. The approximate distances of the anomalies from the edges of the hanger are indicated on the revised figure.

South to North GPR Profiles at Hanger 807 East.
GPR profiles 1 through 4 were collected parallel to the eastern edge of the hanger beginning at the south end and ending at the north end of the hanger. The metal reinforcement mesh is visible as repeating white dots at the surface of the GPR profiles. Edges of the individual concrete slabs are also evident as small breaks at the surface of the profile. There are approximately four breaks in each profile and identify five concrete slabs which is the same number of blocky features. A weak anomaly (Anomaly #4 and #8) was identified in Profiles 2 and 3 in the grass island. No EM anomaly was identified in the grass island so the grass island GPR anomaly is probably not metal.

Three GPR anomalies were identified in Profiles 1 and 2 that may coincide with the three large blocky EM anomalies in the center of figures showing D2, D3 and D. On GPR profile #1 (approximately 16 feet from the hangar), there is an anomaly (anomaly #2) that may represent a pipe or utility. This feature is roughly 60 to 70 feet north of the south end of the hangar. It is not apparent on the other GPR profiles, but based on the shape of the GPR anomaly it may be oriented perpendicular to the hangar. While there is a small anomaly with a relatively low amplitude at this location on the EM61 maps, there is no indication of a linear feature associated with a utility. No GPR anomalies are identified beneath the concrete in Profiles 3 and 4.

East to West GPR Profiles at Hanger 807 East
GPR Profiles 5-9 were collected starting in the east and heading west back toward the building. The water lines next to the hanger are bright easily identified GPR anomalies (Anomalies #9, 12-14, and 16). Profile 8 shows results of the 270 MHz antenna and possibly identifies a single deep indistinct GPR anomaly (Anomaly #15). Other than the two water line anomalies, two additional GPR anomalies (Anomalies #10 and 11) were visible only on Profile 5 and not on Profiles 7 and 9 where expected EM blocky features were located.

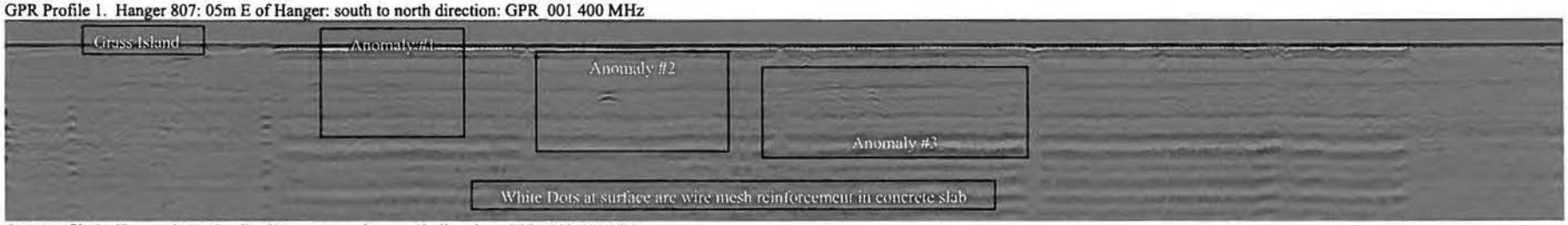
EM61 at Hanger 810 East
The contoured EM61 results of the D1 (shallow) channel show a smearing or a wide area of high amplitude response (pink, red and yellow) that is more indicative of wire reinforcement in concrete. The smeared feature clears in deeper channels and image two or three apparent linear features more clearly. As in 807, the apparent linear features do not extend beneath the grass island in the south of the figure. Blocky features do not appear at Hanger 810 and no USTs are apparent.

South to North GPR Profiles at Hanger 810 East
GPR Profiles 10, 11, and 12 at Hanger 810 east do not indicate any anomalous objects trending east-west which agrees with the EM response. However, a large GPR anomaly (Anomaly #17) in Profile 13 may coincide with the high amplitude (pink) anomaly in the east central area (1074275E, 543725N) of the EM figures.

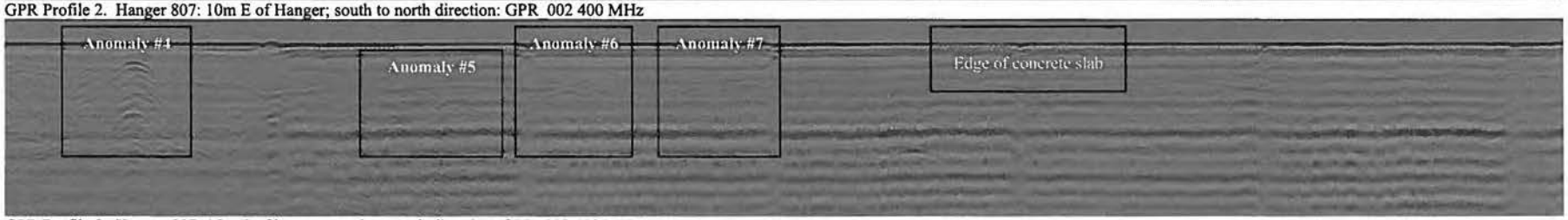
West to East GPR Profiles at Hanger 810 East
GPR Profile 14 shows three anomalies (#18, #19, and #20) that correspond to the three EM anomalies in the differential channel. Anomaly #18 is a couplet of water lines that run north – south next to the building. Profile 15 shows only two GPR anomalies and Profile 16 only one.

Summary
Four or five USTs are indicated on the east side of Hanger 807 from the blocky EM anomalies in EM61 channels D2, D3 and D but USTs are not indicated on the east side of Hanger 810 from EM responses. These EM features are not confirmed with GPR profiles. Water lines east of both hangers are identified clearly in east-west (and west-east) GPR profiles but vaguely imaged by the EM results (D1 at Hanger 807 and D at Hanger 810).

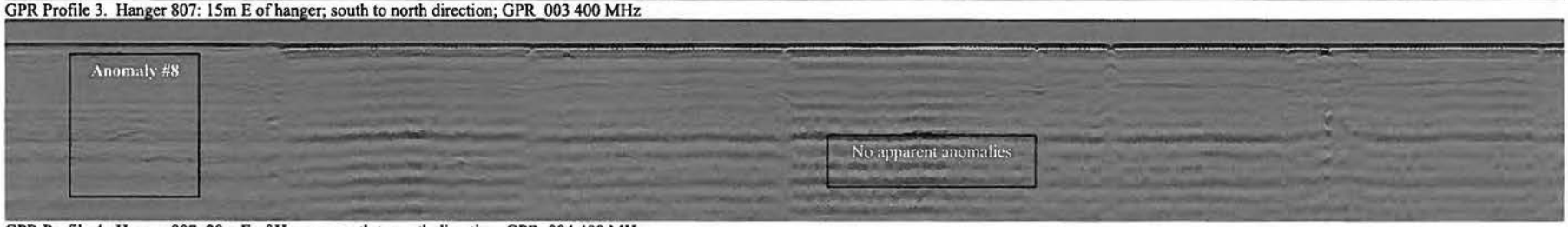
GPR Profile 1. Hanger 807: 05m E of Hanger: south to north direction: GPR_001 400 MHz



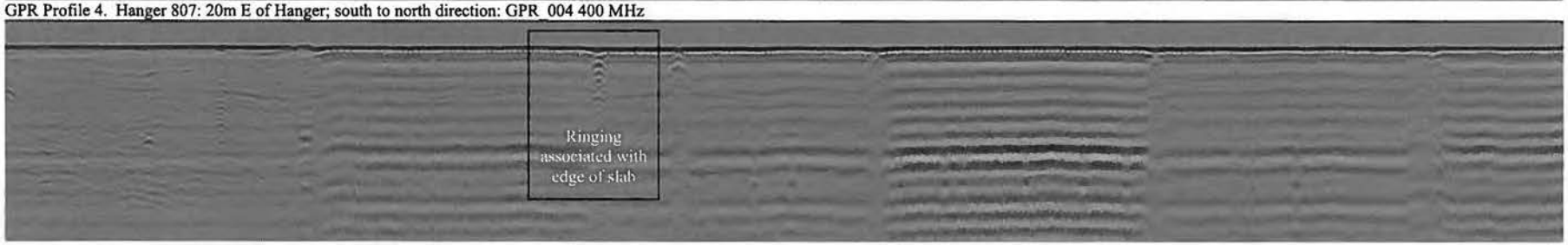
GPR Profile 2. Hanger 807: 10m E of Hanger; south to north direction: GPR_002 400 MHz



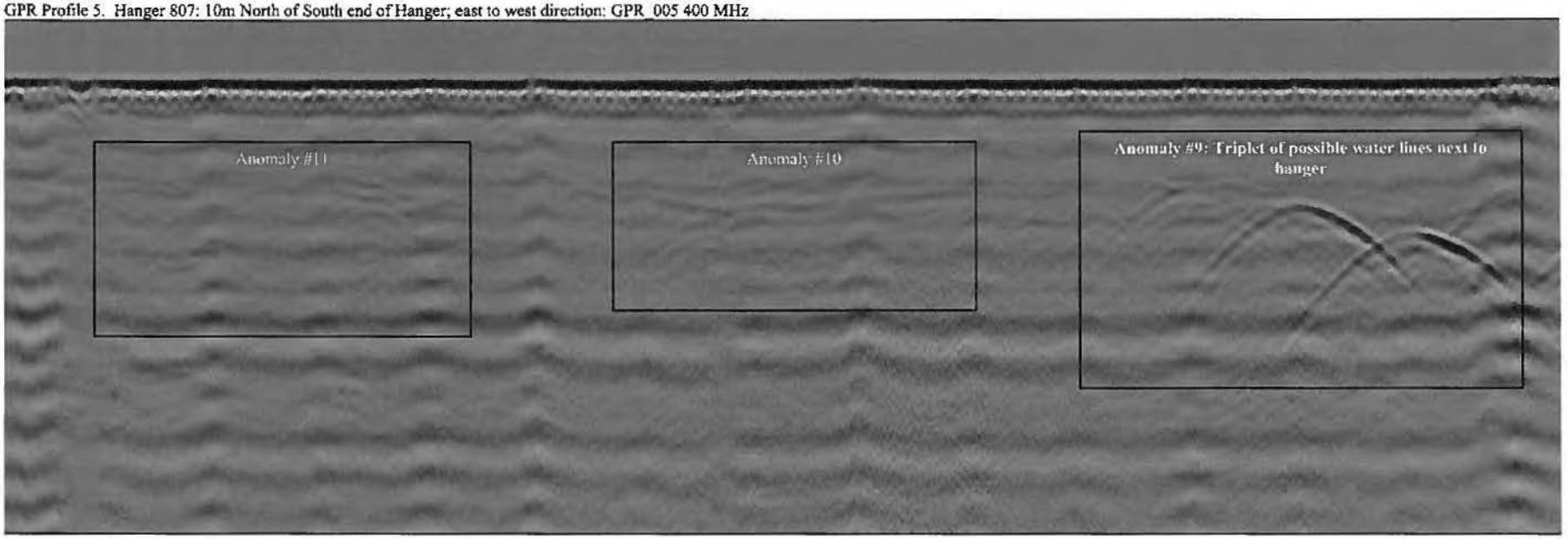
GPR Profile 3. Hanger 807: 15m E of hanger; south to north direction; GPR_003 400 MHz



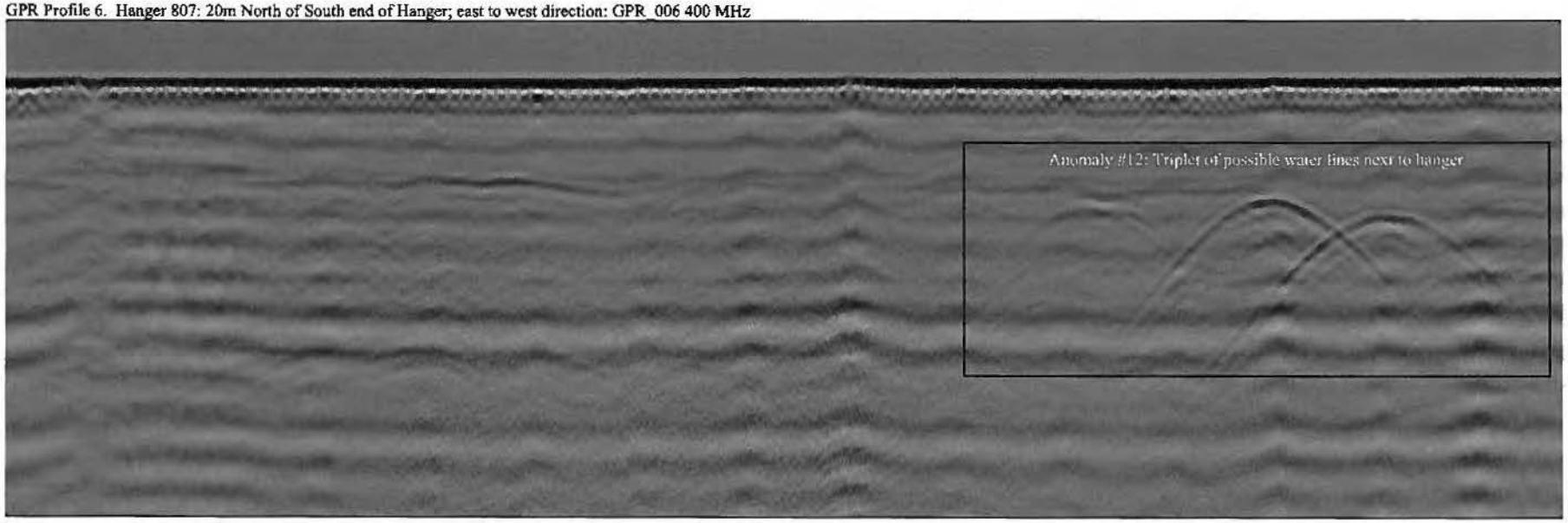
GPR Profile 4. Hanger 807: 20m E of Hanger; south to north direction: GPR_004 400 MHz



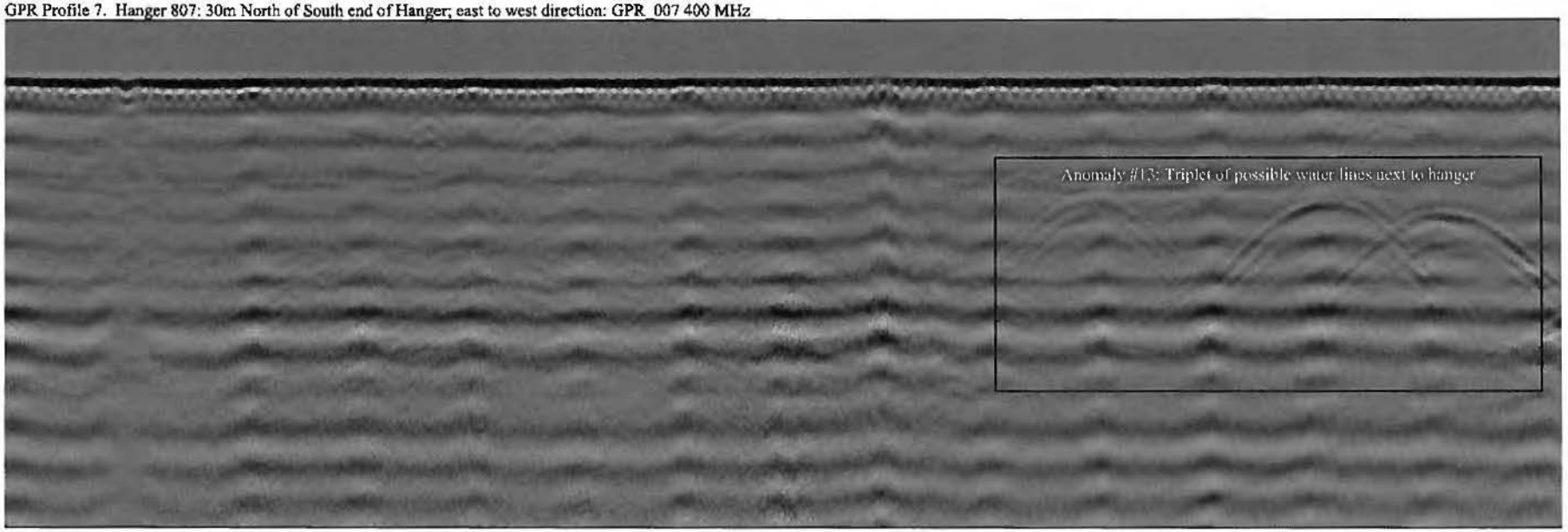
GPR Profile 5. Hanger 807: 10m North of South end of Hanger; east to west direction: GPR_005 400 MHz



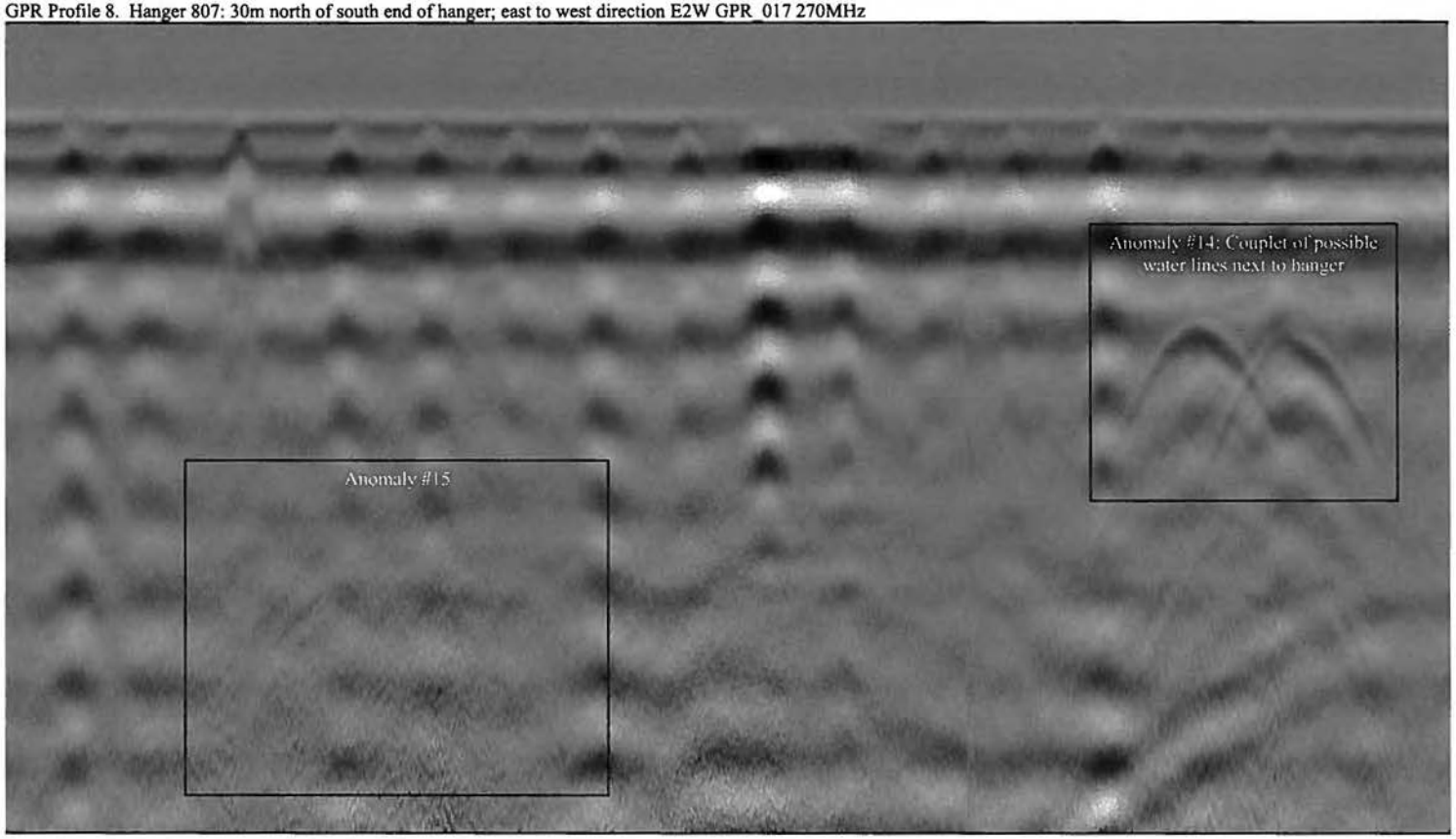
GPR Profile 6. Hanger 807: 20m North of South end of Hanger; east to west direction: GPR_006 400 MHz



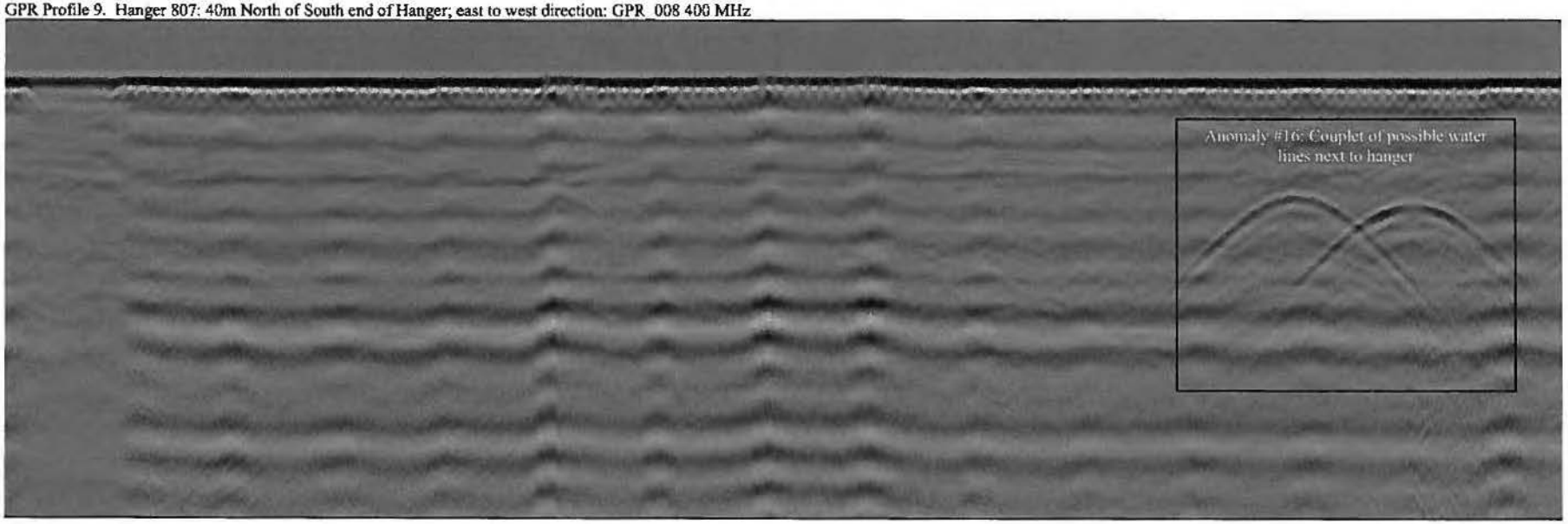
GPR Profile 7. Hanger 807: 30m North of South end of Hanger; east to west direction: GPR_007 400 MHz



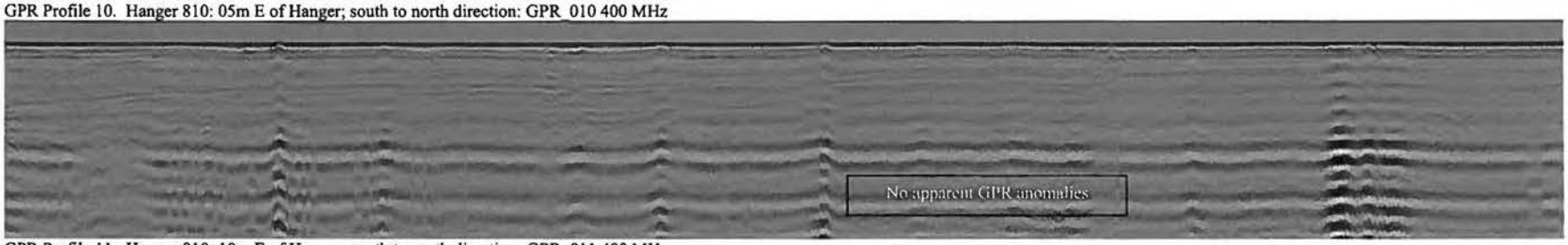
GPR Profile 8. Hanger 807: 30m north of south end of hanger; east to west direction E2W GPR_017 270MHz



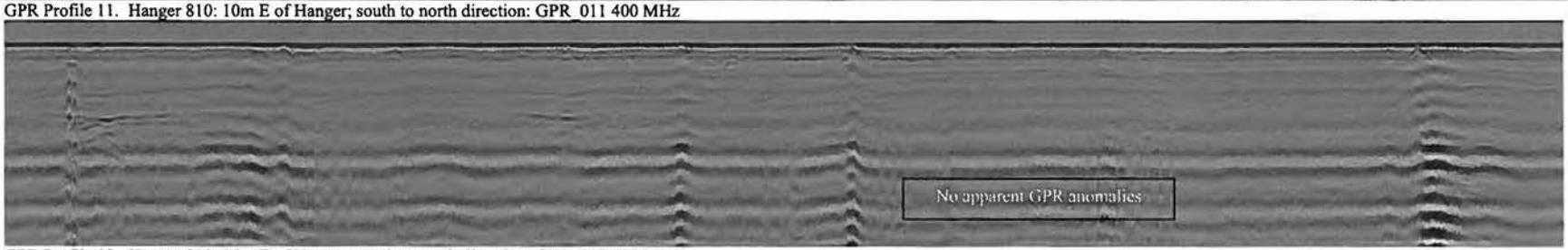
GPR Profile 9. Hanger 807: 40m North of South end of Hanger; east to west direction: GPR_008 400 MHz



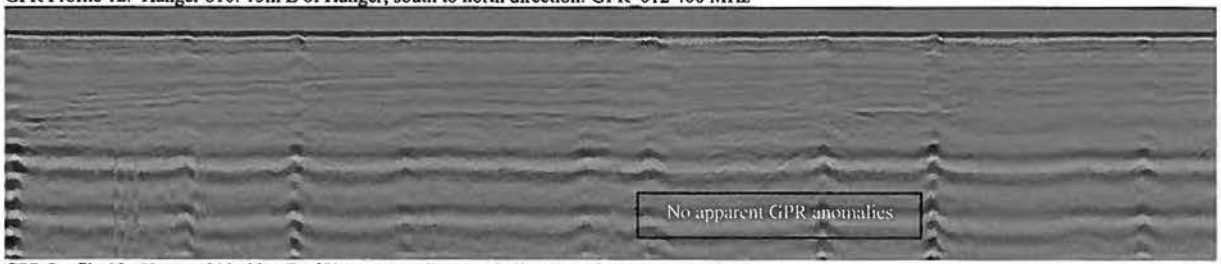
GPR Profile 10. Hanger 810: 05m E of Hanger; south to north direction: GPR_010 400 MHz



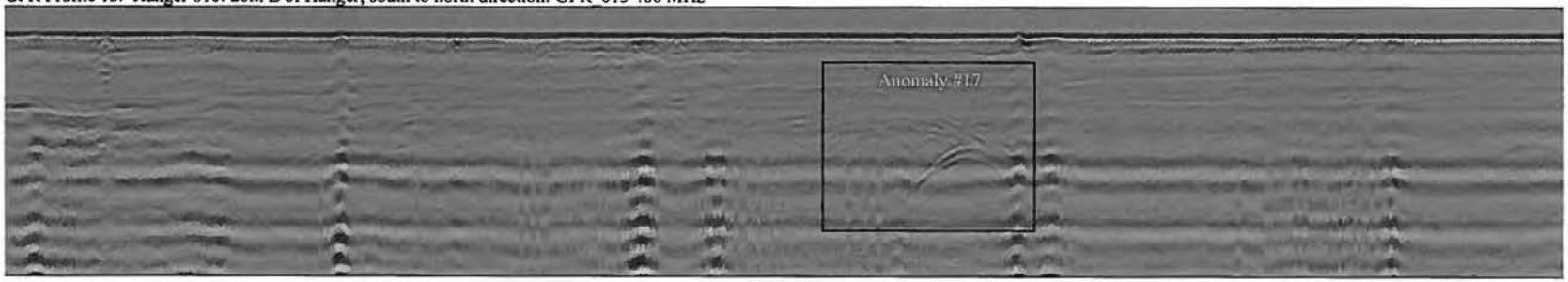
GPR Profile 11. Hanger 810: 10m E of Hanger; south to north direction: GPR_011 400 MHz



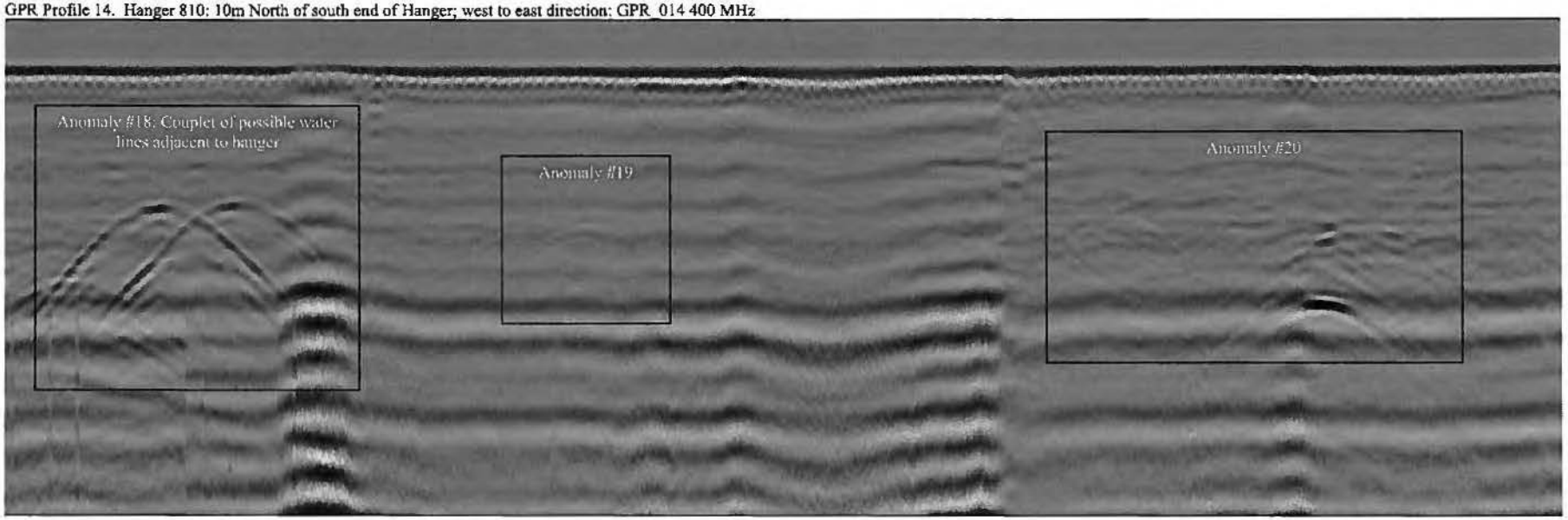
GPR Profile 12. Hanger 810: 15m E of Hanger; south to north direction: GPR_012 400 MHz



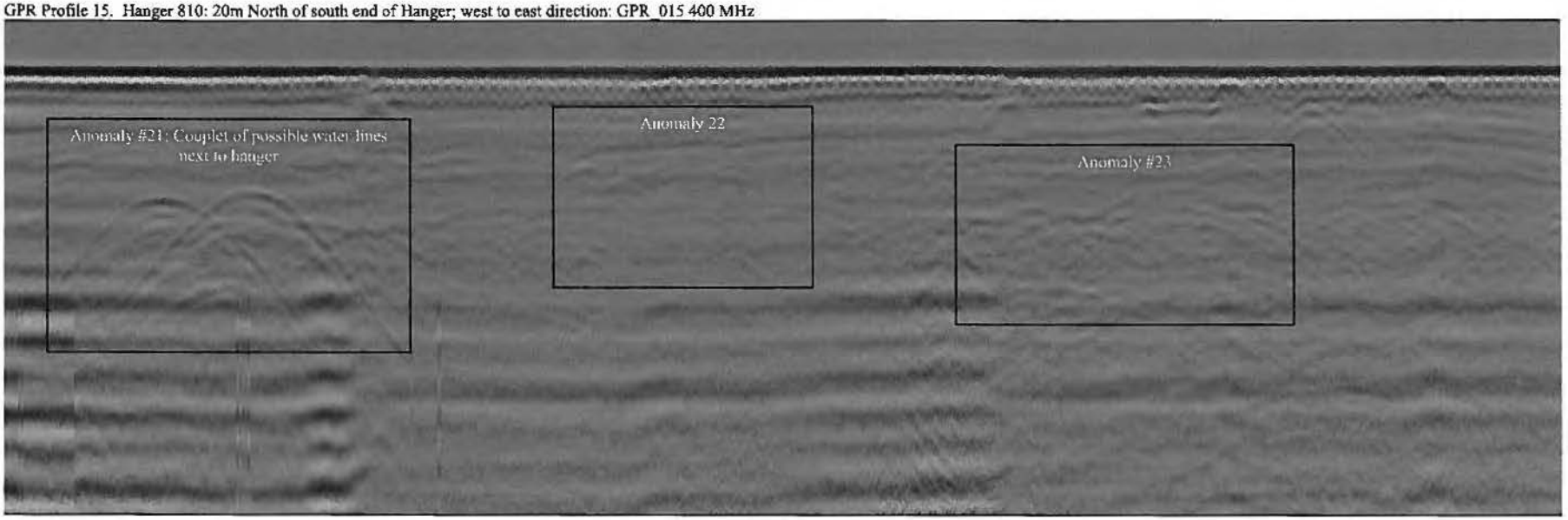
GPR Profile 13. Hanger 810: 20m E of Hanger; south to north direction: GPR_013 400 MHz



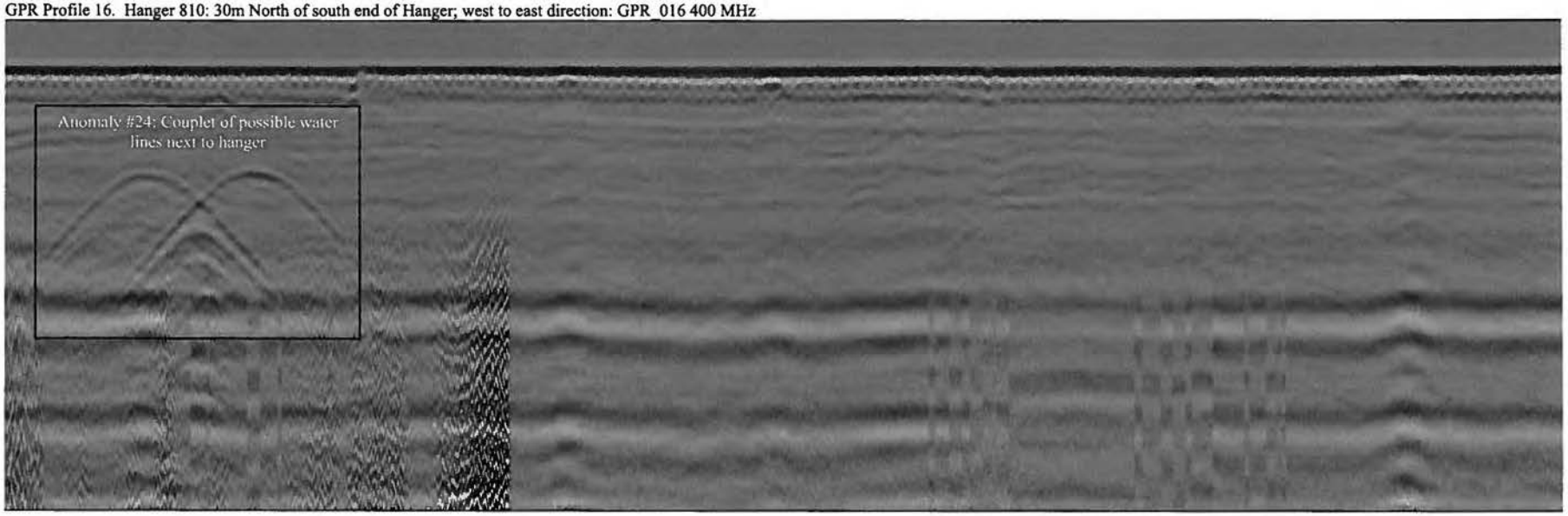
GPR Profile 14. Hanger 810: 10m North of south end of Hanger; west to east direction: GPR_014 400 MHz



GPR Profile 15. Hanger 810: 20m North of south end of Hanger; west to east direction: GPR_015 400 MHz



GPR Profile 16. Hanger 810: 30m North of south end of Hanger; west to east direction: GPR_016 400 MHz



APPENDIX G

ANALYTICAL DATA VALIDATION REPORTS

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.
OLFS4-DP
W3-G53-55

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.V09061

Matrix: (soil/water) WATER Lab Sample ID: 0609061-01

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 0906101

Level: (low/med) LOW Date Sampled: 09/09/06 12:15

% Moisture: not dec. _____ Date Analyzed: 09/22/06 11:48

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
67-64-1	Acetone	1.1	10	25	
75-05-8	Acetonitrile	0.20	5.0		U
107-02-8	Acrolein	4.1	5.0		U
107-13-1	Acrylonitrile	0.95	5.0		U
107-05-1	Allyl chloride	0.20	1.0		U
71-43-2	Benzene	0.11	1.0	7.0	
75-27-4	Bromodichloromethane	0.24	1.0		U
75-25-2	Bromoform	0.24	1.0		U
74-83-9	Bromomethane	0.33	2.0		U
78-93-3	2-Butanone	1.2	10	3.8	I
75-15-0	Carbon disulfide	0.13	1.0		U
56-23-5	Carbon tetrachloride	0.14	1.0		U
108-90-7	Chlorobenzene	0.28	1.0		U
75-00-3	Chloroethane	0.38	2.0		U
67-66-3	Chloroform	0.15	1.0		U
74-87-3	Chloromethane	0.18	2.0		U
126-99-8	Chloroprene	0.20	1.0		U
110-82-7	Cyclohexane	0.18	2.0		U
124-48-1	Dibromochloromethane	0.20	1.0		U
96-12-8	1,2-Dibromo-3-chloropropane	0.28	2.0		U
106-93-4	1,2-Dibromoethane	0.14	1.0		U
74-95-3	Dibromomethane	0.14	1.0		U
95-50-1	1,2-Dichlorobenzene	0.17	1.0		U
541-73-1	1,3-Dichlorobenzene	0.21	1.0		U
106-46-7	1,4-Dichlorobenzene	0.12	1.0		U
110-57-6	trans-1,4-Dichloro-2-butene	0.60	5.0		U
75-71-8	Dichlorodifluoromethane	0.24	2.0		U
75-34-3	1,1-Dichloroethane	0.15	1.0	2.6	
107-06-2	1,2-Dichloroethane	0.15	1.0		U
75-35-4	1,1-Dichloroethene	0.42	1.0		U
156-59-2	cis-1,2-Dichloroethene	0.44	1.0	57	
156-60-5	trans-1,2-Dichloroethene	0.40	1.0		U
78-87-5	1,2-Dichloropropane	0.18	1.0		U
10061-01-5	cis-1,3-Dichloropropene	0.13	1.0		U
10061-02-6	trans-1,3-Dichloropropene	0.22	1.0		U
123-91-1	1,4-Dioxane	0.20	20		U
100-41-4	Ethylbenzene	0.14	1.0	9.9	
97-63-2	Ethyl methacrylate	0.21	1.0		U
591-78-6	2-Hexanone	0.83	5.0		U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-DP
W3-G53-55

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.V09061

Matrix: (soil/water) WATER Lab Sample ID: 0609061-01

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 0906101

Level: (low/med) LOW Date Sampled: 09/09/06 12:15

% Moisture: not dec. _____ Date Analyzed: 09/22/06 11:48

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
74-88-4	Iodomethane	0.19	5.0		U
78-83-1	Isobutyl alcohol	0.20	10		U
98-82-8	Isopropylbenzene	0.25	1.0	2.5	
79-20-9	Methyl acetate	0.87	1.0		U
126-98-7	Methacrylonitrile	0.20	5.0		U
108-87-2	Methyl cyclohexane	0.20	1.0		U
75-09-2	Methylene chloride	0.26	2.0		U
80-62-6	Methyl methacrylate	0.35	1.0		U
1634-04-4	MTBE	0.17	1.0		U
108-10-1	4-Methyl-2-pentanone	1.4	5.0		U
107-12-0	Propionitrile	0.20	5.0		U
100-42-5	Styrene	0.22	1.0		U
630-20-6	1,1,1,2-Tetrachloroethane	0.19	1.0		U
79-34-5	1,1,2,2-Tetrachloroethane	0.22	1.0		U
127-18-4	Tetrachloroethene	0.14	1.0	0.54	I
108-88-3	Toluene	0.18	1.0	0.54	I
87-61-6	1,2,3-Trichlorobenzene	0.16	1.0		U
120-82-1	1,2,4-Trichlorobenzene	0.14	1.0		U
71-55-6	1,1,1-Trichloroethane	0.15	1.0		U
79-00-5	1,1,2-Trichloroethane	0.17	1.0		U
79-01-6	Trichloroethene	0.28	1.0	1.5	
76-13-1	Trichlorotrifluoroethane	0.22	1.0		U
75-69-4	Trichlorofluoromethane	0.15	2.0		U
96-18-4	1,2,3-Trichloropropane	0.31	1.0		U
108-05-4	Vinyl acetate	1.3	5.0		U
75-01-4	Vinyl chloride	0.19	1.0		U
108-38-3	m,p-Xylene	0.26	1.0	0.56	I
95-47-6	o-Xylene	0.21	1.0	0.89	I
1330-20-7	Xylene(total)	0.21	1.0	1.4	

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.
OLFS4-DP
W5-G53-55

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.V09061

Matrix: (soil/water) WATER Lab Sample ID: 0609061-02

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 0906102

Level: (low/med) LOW Date Sampled: 09/09/06 17:55

% Moisture: not dec. _____ Date Analyzed: 09/22/06 12:20

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
67-64-1	Acetone	1.1	10	14	
75-05-8	Acetonitrile	0.20	5.0		U
107-02-8	Acrolein	4.1	5.0		U
107-13-1	Acrylonitrile	0.95	5.0		U
107-05-1	Allyl chloride	0.20	1.0		U
71-43-2	Benzene	0.11	1.0		U
75-27-4	Bromodichloromethane	0.24	1.0		U
75-25-2	Bromoform	0.24	1.0		U
74-83-9	Bromomethane	0.33	2.0		U
78-93-3	2-Butanone	1.2	10		U
75-15-0	Carbon disulfide	0.13	1.0		U
56-23-5	Carbon tetrachloride	0.14	1.0		U
108-90-7	Chlorobenzene	0.28	1.0		U
75-00-3	Chloroethane	0.38	2.0		U
67-66-3	Chloroform	0.15	1.0	0.32	I
74-87-3	Chloromethane	0.18	2.0		U
126-99-8	Chloroprene	0.20	1.0		U
110-82-7	Cyclohexane	0.18	2.0		U
124-48-1	Dibromochloromethane	0.20	1.0		U
96-12-8	1,2-Dibromo-3-chloropropane	0.28	2.0		U
106-93-4	1,2-Dibromoethane	0.14	1.0		U
74-95-3	Dibromomethane	0.14	1.0		U
95-50-1	1,2-Dichlorobenzene	0.17	1.0		U
541-73-1	1,3-Dichlorobenzene	0.21	1.0		U
106-46-7	1,4-Dichlorobenzene	0.12	1.0		U
110-57-6	trans-1,4-Dichloro-2-butene	0.60	5.0		U
75-71-8	Dichlorodifluoromethane	0.24	2.0		U
75-34-3	1,1-Dichloroethane	0.15	1.0		U
107-06-2	1,2-Dichloroethane	0.15	1.0		U
75-35-4	1,1-Dichloroethene	0.42	1.0		U
156-59-2	cis-1,2-Dichloroethene	0.44	1.0		U
156-60-5	trans-1,2-Dichloroethene	0.40	1.0		U
78-87-5	1,2-Dichloropropane	0.18	1.0		U
10061-01-5	cis-1,3-Dichloropropene	0.13	1.0		U
10061-02-6	trans-1,3-Dichloropropene	0.22	1.0		U
123-91-1	1,4-Dioxane	0.20	20		U
100-41-4	Ethylbenzene	0.14	1.0		U
97-63-2	Ethyl methacrylate	0.21	1.0		U
591-78-6	2-Hexanone	0.83	5.0		U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.
OLFS4-DP
W5-G53-55

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.V09061

Matrix: (soil/water) WATER Lab Sample ID: 0609061-02

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 0906102

Level: (low/med) LOW Date Sampled: 09/09/06 17:55

% Moisture: not dec. _____ Date Analyzed: 09/22/06 12:20

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
74-88-4	Iodomethane	0.19	5.0		U
78-83-1	Isobutyl alcohol	0.20	10		U
98-82-8	Isopropylbenzene	0.25	1.0		U
79-20-9	Methyl acetate	0.87	1.0		U
126-98-7	Methacrylonitrile	0.20	5.0		U
108-87-2	Methyl cyclohexane	0.20	1.0		U
75-09-2	Methylene chloride	0.26	2.0		U
80-62-6	Methyl methacrylate	0.35	1.0		U
1634-04-4	MTBE	0.17	1.0		U
108-10-1	4-Methyl-2-pentanone	1.4	5.0		U
107-12-0	Propionitrile	0.20	5.0		U
100-42-5	Styrene	0.22	1.0		U
630-20-6	1,1,1,2-Tetrachloroethane	0.19	1.0		U
79-34-5	1,1,2,2-Tetrachloroethane	0.22	1.0		U
127-18-4	Tetrachloroethene	0.14	1.0		U
108-88-3	Toluene	0.18	1.0		U
87-61-6	1,2,3-Trichlorobenzene	0.16	1.0		U
120-82-1	1,2,4-Trichlorobenzene	0.14	1.0		U
71-55-6	1,1,1-Trichloroethane	0.15	1.0		U
79-00-5	1,1,2-Trichloroethane	0.17	1.0		U
79-01-6	Trichloroethene	0.28	1.0		U
76-13-1	Trichlorotrifluoroethane	0.22	1.0		U
75-69-4	Trichlorofluoromethane	0.15	2.0		U
96-18-4	1,2,3-Trichloropropane	0.31	1.0		U
108-05-4	Vinyl acetate	1.3	5.0		U
75-01-4	Vinyl chloride	0.19	1.0		U
108-38-3	m,p-Xylene	0.26	1.0		U
95-47-6	o-Xylene	0.21	1.0		U
1330-20-7	Xylene(total)	0.21	1.0		U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.
OLFS4-DP
W9-G53-55

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.V09061

Matrix: (soil/water) WATER Lab Sample ID: 0609061-03

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 0906103

Level: (low/med) LOW Date Sampled: 09/10/06 14:05

% Moisture: not dec. _____ Date Analyzed: 09/22/06 12:52

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
67-64-1	Acetone	1.1	10	18	
75-05-8	Acetonitrile	0.20	5.0		U
107-02-8	Acrolein	4.1	5.0		U
107-13-1	Acrylonitrile	0.95	5.0		U
107-05-1	Allyl chloride	0.20	1.0		U
71-43-2	Benzene	0.11	1.0		U
75-27-4	Bromodichloromethane	0.24	1.0		U
75-25-2	Bromoform	0.24	1.0		U
74-83-9	Bromomethane	0.33	2.0		U
78-93-3	2-Butanone	1.2	10		U
75-15-0	Carbon disulfide	0.13	1.0		U
56-23-5	Carbon tetrachloride	0.14	1.0		U
108-90-7	Chlorobenzene	0.28	1.0		U
75-00-3	Chloroethane	0.38	2.0		U
67-66-3	Chloroform	0.15	1.0		U
74-87-3	Chloromethane	0.18	2.0	0.18	I
126-99-8	Chloroprene	0.20	1.0		U
110-82-7	Cyclohexane	0.18	2.0		U
124-48-1	Dibromochloromethane	0.20	1.0		U
96-12-8	1,2-Dibromo-3-chloropropane	0.28	2.0		U
106-93-4	1,2-Dibromoethane	0.14	1.0		U
74-95-3	Dibromomethane	0.14	1.0		U
95-50-1	1,2-Dichlorobenzene	0.17	1.0		U
541-73-1	1,3-Dichlorobenzene	0.21	1.0		U
106-46-7	1,4-Dichlorobenzene	0.12	1.0		U
110-57-6	trans-1,4-Dichloro-2-butene	0.60	5.0		U
75-71-8	Dichlorodifluoromethane	0.24	2.0		U
75-34-3	1,1-Dichloroethane	0.15	1.0		U
107-06-2	1,2-Dichloroethane	0.15	1.0		U
75-35-4	1,1-Dichloroethene	0.42	1.0		U
156-59-2	cis-1,2-Dichloroethene	0.44	1.0		U
156-60-5	trans-1,2-Dichloroethene	0.40	1.0		U
78-87-5	1,2-Dichloropropane	0.18	1.0		U
10061-01-5	cis-1,3-Dichloropropene	0.13	1.0		U
10061-02-6	trans-1,3-Dichloropropene	0.22	1.0		U
123-91-1	1,4-Dioxane	0.20	20		U
100-41-4	Ethylbenzene	0.14	1.0		U
97-63-2	Ethyl methacrylate	0.21	1.0		U
591-78-6	2-Hexanone	0.83	5.0		U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.
OLFS4-DP
W9-G53-55

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.V09061

Matrix: (soil/water) WATER Lab Sample ID: 0609061-03

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 0906103

Level: (low/med) LOW Date Sampled: 09/10/06 14:05

% Moisture: not dec. _____ Date Analyzed: 09/22/06 12:52

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
74-88-4	Iodomethane	0.19	5.0		U
78-83-1	Isobutyl alcohol	0.20	10		U
98-82-8	Isopropylbenzene	0.25	1.0		U
79-20-9	Methyl acetate	0.87	1.0		U
126-98-7	Methacrylonitrile	0.20	5.0		U
108-87-2	Methyl cyclohexane	0.20	1.0		U
75-09-2	Methylene chloride	0.26	2.0		U
80-62-6	Methyl methacrylate	0.35	1.0		U
1634-04-4	MTBE	0.17	1.0		U
108-10-1	4-Methyl-2-pentanone	1.4	5.0		U
107-12-0	Propionitrile	0.20	5.0		U
100-42-5	Styrene	0.22	1.0		U
630-20-6	1,1,1,2-Tetrachloroethane	0.19	1.0		U
79-34-5	1,1,2,2-Tetrachloroethane	0.22	1.0		U
127-18-4	Tetrachloroethene	0.14	1.0		U
108-88-3	Toluene	0.18	1.0		U
87-61-6	1,2,3-Trichlorobenzene	0.16	1.0		U
120-82-1	1,2,4-Trichlorobenzene	0.14	1.0		U
71-55-6	1,1,1-Trichloroethane	0.15	1.0		U
79-00-5	1,1,2-Trichloroethane	0.17	1.0		U
79-01-6	Trichloroethene	0.28	1.0		U
76-13-1	Trichlorotrifluoroethane	0.22	1.0		U
75-69-4	Trichlorofluoromethane	0.15	2.0		U
96-18-4	1,2,3-Trichloropropane	0.31	1.0		U
108-05-4	Vinyl acetate	1.3	5.0		U
75-01-4	Vinyl chloride	0.19	1.0		U
108-38-3	m,p-Xylene	0.26	1.0		U
95-47-6	o-Xylene	0.21	1.0		U
1330-20-7	Xylene(total)	0.21	1.0		U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-DUP02G

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.V09061

Matrix: (soil/water) WATER Lab Sample ID: 0609061-04

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 0906104

Level: (low/med) LOW Date Sampled: _____

% Moisture: not dec. _____ Date Analyzed: 09/22/06 13:24

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
67-64-1	Acetone	1.1	10	17	
75-05-8	Acetonitrile	0.20	5.0		U
107-02-8	Acrolein	4.1	5.0		U
107-13-1	Acrylonitrile	0.95	5.0		U
107-05-1	Allyl chloride	0.20	1.0		U
71-43-2	Benzene	0.11	1.0		U
75-27-4	Bromodichloromethane	0.24	1.0		U
75-25-2	Bromoform	0.24	1.0		U
74-83-9	Bromomethane	0.33	2.0		U
78-93-3	2-Butanone	1.2	10		U
75-15-0	Carbon disulfide	0.13	1.0		U
56-23-5	Carbon tetrachloride	0.14	1.0		U
108-90-7	Chlorobenzene	0.28	1.0		U
75-00-3	Chloroethane	0.38	2.0		U
67-66-3	Chloroform	0.15	1.0		U
74-87-3	Chloromethane	0.18	2.0		U
126-99-8	Chloroprene	0.20	1.0		U
110-82-7	Cyclohexane	0.18	2.0		U
124-48-1	Dibromochloromethane	0.20	1.0		U
96-12-8	1,2-Dibromo-3-chloropropane	0.28	2.0		U
106-93-4	1,2-Dibromoethane	0.14	1.0		U
74-95-3	Dibromomethane	0.14	1.0		U
95-50-1	1,2-Dichlorobenzene	0.17	1.0		U
541-73-1	1,3-Dichlorobenzene	0.21	1.0		U
106-46-7	1,4-Dichlorobenzene	0.12	1.0		U
110-57-6	trans-1,4-Dichloro-2-butene	0.60	5.0		U
75-71-8	Dichlorodifluoromethane	0.24	2.0		U
75-34-3	1,1-Dichloroethane	0.15	1.0		U
107-06-2	1,2-Dichloroethane	0.15	1.0		U
75-35-4	1,1-Dichloroethene	0.42	1.0		U
156-59-2	cis-1,2-Dichloroethene	0.44	1.0		U
156-60-5	trans-1,2-Dichloroethene	0.40	1.0		U
78-87-5	1,2-Dichloropropane	0.18	1.0		U
10061-01-5	cis-1,3-Dichloropropene	0.13	1.0		U
10061-02-6	trans-1,3-Dichloropropene	0.22	1.0		U
123-91-1	1,4-Dioxane	0.20	20		U
100-41-4	Ethylbenzene	0.14	1.0		U
97-63-2	Ethyl methacrylate	0.21	1.0		U
591-78-6	2-Hexanone	0.83	5.0		U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-DUP02G

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.V09061

Matrix: (soil/water) WATER Lab Sample ID: 0609061-04

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 0906104

Level: (low/med) LOW Date Sampled: _____

% Moisture: not dec. _____ Date Analyzed: 09/22/06 13:24

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
74-88-4	Iodomethane	0.19	5.0		U
78-83-1	Isobutyl alcohol	0.20	10		U
98-82-8	Isopropylbenzene	0.25	1.0		U
79-20-9	Methyl acetate	0.87	1.0		U
126-98-7	Methacrylonitrile	0.20	5.0		U
108-87-2	Methyl cyclohexane	0.20	1.0		U
75-09-2	Methylene chloride	0.26	2.0		U
80-62-6	Methyl methacrylate	0.35	1.0		U
1634-04-4	MTBE	0.17	1.0		U
108-10-1	4-Methyl-2-pentanone	1.4	5.0		U
107-12-0	Propionitrile	0.20	5.0		U
100-42-5	Styrene	0.22	1.0		U
630-20-6	1,1,1,2-Tetrachloroethane	0.19	1.0		U
79-34-5	1,1,2,2-Tetrachloroethane	0.22	1.0		U
127-18-4	Tetrachloroethene	0.14	1.0		U
108-88-3	Toluene	0.18	1.0		U
87-61-6	1,2,3-Trichlorobenzene	0.16	1.0		U
120-82-1	1,2,4-Trichlorobenzene	0.14	1.0		U
71-55-6	1,1,1-Trichloroethane	0.15	1.0		U
79-00-5	1,1,2-Trichloroethane	0.17	1.0		U
79-01-6	Trichloroethene	0.28	1.0		U
76-13-1	Trichlorotrifluoroethane	0.22	1.0		U
75-69-4	Trichlorofluoromethane	0.15	2.0		U
96-18-4	1,2,3-Trichloropropane	0.31	1.0		U
108-05-4	Vinyl acetate	1.3	5.0		U
75-01-4	Vinyl chloride	0.19	1.0		U
108-38-3	m,p-Xylene	0.26	1.0		U
95-47-6	o-Xylene	0.21	1.0		U
1330-20-7	Xylene(total)	0.21	1.0		U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-DPW10-S45

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.V09061

Matrix: (soil/water) SOIL Lab Sample ID: 0609061-05

Sample wt/vol: 5.1 (g/mL) G Lab File ID: 0906105A

Level: (low/med) LOW Date Sampled: 09/11/06 08:30

% Moisture: not dec. 15 Date Analyzed: 09/16/06 19:06

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	MDL	RL	CONC	Q
67-64-1	Acetone	2.3	57		U
75-05-8	Acetonitrile	0.57	23		U
107-02-8	Acrolein	6.0	29		U
107-13-1	Acrylonitrile	1.6	29		U
107-05-1	Allyl chloride	0.57	5.7		U
71-43-2	Benzene	0.54	5.7		U
75-27-4	Bromodichloromethane	0.34	5.7		U
75-25-2	Bromoform	1.1	5.7		U
74-83-9	Bromomethane	0.82	11		U
78-93-3	2-Butanone	1.6	57		U
75-15-0	Carbon disulfide	1.5	5.7		U
56-23-5	Carbon tetrachloride	1.0	5.7		U
108-90-7	Chlorobenzene	2.9	5.7		U
75-00-3	Chloroethane	1.3	11		U
67-66-3	Chloroform	0.63	5.7		U
74-87-3	Chloromethane	0.60	11		U
126-99-8	Chloroprene	0.57	5.7		U
110-82-7	Cyclohexane	0.62	11		U
124-48-1	Dibromochloromethane	0.39	5.7		U
96-12-8	1,2-Dibromo-3-chloropropane	1.4	11		U
106-93-4	1,2-Dibromoethane	0.49	5.7		U
74-95-3	Dibromomethane	0.47	5.7		U
95-50-1	1,2-Dichlorobenzene	0.42	5.7		U
541-73-1	1,3-Dichlorobenzene	0.96	5.7		U
106-46-7	1,4-Dichlorobenzene	0.63	5.7		U
110-57-6	trans-1,4-Dichloro-2-butene	9.2	29		U
75-71-8	Dichlorodifluoromethane	1.3	11		U
75-34-3	1,1-Dichloroethane	0.62	5.7		U
107-06-2	1,2-Dichloroethane	0.53	5.7		U
75-35-4	1,1-Dichloroethene	1.4	5.7		U
156-59-2	cis-1,2-Dichloroethene	1.4	5.7		U
156-60-5	trans-1,2-Dichloroethene	1.3	5.7		U
78-87-5	1,2-Dichloropropane	0.53	5.7		U
10061-01-5	cis-1,3-Dichloropropene	0.57	5.7		U
10061-02-6	trans-1,3-Dichloropropene	0.37	5.7		U
123-91-1	1,4-Dioxane	0.57	46		U
100-41-4	Ethylbenzene	0.86	5.7		U
97-63-2	Ethyl methacrylate	0.30	5.7		U
591-78-6	2-Hexanone	2.6	29		U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-DPW10-S45

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.V09061

Matrix: (soil/water) SOIL Lab Sample ID: 0609061-05

Sample wt/vol: 5.1 (g/mL) G Lab File ID: 0906105A

Level: (low/med) LOW Date Sampled: 09/11/06 08:30

% Moisture: not dec. 15 Date Analyzed: 09/16/06 19:06

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG MDL	RL	CONC	Q
74-88-4	Iodomethane	0.95	29		U
78-83-1	Isobutyl alcohol	0.57	46		U
98-82-8	Isopropylbenzene	1.0	5.7		U
79-20-9	Methyl acetate	1.8	5.7		U
126-98-7	Methacrylonitrile	0.57	23		U
108-87-2	Methyl cyclohexane	0.34	5.7		U
75-09-2	Methylene chloride	0.71	11		U
80-62-6	Methyl methacrylate	0.52	5.7		U
1634-04-4	MTBE	0.37	5.7		U
108-10-1	4-Methyl-2-pentanone	0.66	29		U
107-12-0	Propionitrile	0.57	23		U
100-42-5	Styrene	0.40	5.7		U
630-20-6	1,1,1,2-Tetrachloroethane	0.37	5.7		U
79-34-5	1,1,2,2-Tetrachloroethane	0.49	5.7		U
127-18-4	Tetrachloroethene	1.1	5.7		U
108-88-3	Toluene	0.99	5.7		U
87-61-6	1,2,3-Trichlorobenzene	0.48	5.7		U
120-82-1	1,2,4-Trichlorobenzene	0.21	5.7		U
71-55-6	1,1,1-Trichloroethane	1.0	5.7		U
79-00-5	1,1,2-Trichloroethane	0.40	5.7		U
79-01-6	Trichloroethene	0.98	5.7		U
76-13-1	Trichlorotrifluoroethane	0.63	5.7		U
75-69-4	Trichlorofluoromethane	1.1	11		U
96-18-4	1,2,3-Trichloropropane	0.80	5.7		U
108-05-4	Vinyl acetate	0.63	29		U
75-01-4	Vinyl chloride	1.3	8.0		U
108-38-3	m,p-Xylene	1.7	5.7		U
95-47-6	o-Xylene	0.80	5.7		U
1330-20-7	Xylene(total)	0.80	5.7		U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.
OLFS4-DPW
11-G53-55

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.V09061

Matrix: (soil/water) WATER Lab Sample ID: 0609061-06

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 0906106

Level: (low/med) LOW Date Sampled: 09/11/06 10:15

% Moisture: not dec. _____ Date Analyzed: 09/22/06 13:56

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
67-64-1	Acetone	1.1	10	14	
75-05-8	Acetonitrile	0.20	5.0		U
107-02-8	Acrolein	4.1	5.0		U
107-13-1	Acrylonitrile	0.95	5.0		U
107-05-1	Allyl chloride	0.20	1.0		U
71-43-2	Benzene	0.11	1.0		U
75-27-4	Bromodichloromethane	0.24	1.0		U
75-25-2	Bromoform	0.24	1.0		U
74-83-9	Bromomethane	0.33	2.0		U
78-93-3	2-Butanone	1.2	10		U
75-15-0	Carbon disulfide	0.13	1.0		U
56-23-5	Carbon tetrachloride	0.14	1.0		U
108-90-7	Chlorobenzene	0.28	1.0		U
75-00-3	Chloroethane	0.38	2.0		U
67-66-3	Chloroform	0.15	1.0		U
74-87-3	Chloromethane	0.18	2.0		U
126-99-8	Chloroprene	0.20	1.0		U
110-82-7	Cyclohexane	0.18	2.0		U
124-48-1	Dibromochloromethane	0.20	1.0		U
96-12-8	1,2-Dibromo-3-chloropropane	0.28	2.0		U
106-93-4	1,2-Dibromoethane	0.14	1.0		U
74-95-3	Dibromomethane	0.14	1.0		U
95-50-1	1,2-Dichlorobenzene	0.17	1.0		U
541-73-1	1,3-Dichlorobenzene	0.21	1.0		U
106-46-7	1,4-Dichlorobenzene	0.12	1.0		U
110-57-6	trans-1,4-Dichloro-2-butene	0.60	5.0		U
75-71-8	Dichlorodifluoromethane	0.24	2.0		U
75-34-3	1,1-Dichloroethane	0.15	1.0		U
107-06-2	1,2-Dichloroethane	0.15	1.0		U
75-35-4	1,1-Dichloroethene	0.42	1.0		U
156-59-2	cis-1,2-Dichloroethene	0.44	1.0		U
156-60-5	trans-1,2-Dichloroethene	0.40	1.0		U
78-87-5	1,2-Dichloropropane	0.18	1.0		U
10061-01-5	cis-1,3-Dichloropropene	0.13	1.0		U
10061-02-6	trans-1,3-Dichloropropene	0.22	1.0		U
123-91-1	1,4-Dioxane	0.20	20		U
100-41-4	Ethylbenzene	0.14	1.0		U
97-63-2	Ethyl methacrylate	0.21	1.0		U
591-78-6	2-Hexanone	0.83	5.0		U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.
OLFS4-DPW
11-G53-55

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.V09061

Matrix: (soil/water) WATER Lab Sample ID: 0609061-06

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 0906106

Level: (low/med) LOW Date Sampled: 09/11/06 10:15

% Moisture: not dec. _____ Date Analyzed: 09/22/06 13:56

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
74-88-4	Iodomethane	0.19	5.0		U
78-83-1	Isobutyl alcohol	0.20	10		U
98-82-8	Isopropylbenzene	0.25	1.0		U
79-20-9	Methyl acetate	0.87	1.0		U
126-98-7	Methacrylonitrile	0.20	5.0		U
108-87-2	Methyl cyclohexane	0.20	1.0		U
75-09-2	Methylene chloride	0.26	2.0		U
80-62-6	Methyl methacrylate	0.35	1.0		U
1634-04-4	MTBE	0.17	1.0		U
108-10-1	4-Methyl-2-pentanone	1.4	5.0		U
107-12-0	Propionitrile	0.20	5.0		U
100-42-5	Styrene	0.22	1.0		U
630-20-6	1,1,1,2-Tetrachloroethane	0.19	1.0		U
79-34-5	1,1,2,2-Tetrachloroethane	0.22	1.0		U
127-18-4	Tetrachloroethene	0.14	1.0		U
108-88-3	Toluene	0.18	1.0		U
87-61-6	1,2,3-Trichlorobenzene	0.16	1.0		U
120-82-1	1,2,4-Trichlorobenzene	0.14	1.0		U
71-55-6	1,1,1-Trichloroethane	0.15	1.0		U
79-00-5	1,1,2-Trichloroethane	0.17	1.0		U
79-01-6	Trichloroethene	0.28	1.0		U
76-13-1	Trichlorotrifluoroethane	0.22	1.0		U
75-69-4	Trichlorofluoromethane	0.15	2.0		U
96-18-4	1,2,3-Trichloropropane	0.31	1.0		U
108-05-4	Vinyl acetate	1.3	5.0		U
75-01-4	Vinyl chloride	0.19	1.0		U
108-38-3	m,p-Xylene	0.26	1.0		U
95-47-6	o-Xylene	0.21	1.0		U
1330-20-7	Xylene(total)	0.21	1.0		U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-DPW11-S45

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.V09061

Matrix: (soil/water) SOIL Lab Sample ID: 0609061-07

Sample wt/vol: 5.3 (g/mL) G Lab File ID: 0906107A

Level: (low/med) LOW Date Sampled: 09/11/06 10:00

% Moisture: not dec. 9 Date Analyzed: 09/16/06 19:43

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG MDL	RL	CONC	Q
67-64-1	Acetone	2.1	52	4.3	I
75-05-8	Acetonitrile	0.52	21		U
107-02-8	Acrolein	5.4	26		U
107-13-1	Acrylonitrile	1.4	26		U
107-05-1	Allyl chloride	0.52	5.2		U
71-43-2	Benzene	0.49	5.2		U
75-27-4	Bromodichloromethane	0.31	5.2		U
75-25-2	Bromoform	1.0	5.2		U
74-83-9	Bromomethane	0.75	10		U
78-93-3	2-Butanone	1.4	52		U
75-15-0	Carbon disulfide	1.3	5.2		U
56-23-5	Carbon tetrachloride	0.91	5.2		U
108-90-7	Chlorobenzene	2.6	5.2		U
75-00-3	Chloroethane	1.1	10		U
67-66-3	Chloroform	0.57	5.2		U
74-87-3	Chloromethane	0.54	10		U
126-99-8	Chloroprene	0.52	5.2		U
110-82-7	Cyclohexane	0.56	10		U
124-48-1	Dibromochloromethane	0.35	5.2		U
96-12-8	1,2-Dibromo-3-chloropropane	1.2	10		U
106-93-4	1,2-Dibromoethane	0.44	5.2		U
74-95-3	Dibromomethane	0.42	5.2		U
95-50-1	1,2-Dichlorobenzene	0.38	5.2		U
541-73-1	1,3-Dichlorobenzene	0.87	5.2		U
106-46-7	1,4-Dichlorobenzene	0.57	5.2		U
110-57-6	trans-1,4-Dichloro-2-butene	8.3	26		U
75-71-8	Dichlorodifluoromethane	1.1	10		U
75-34-3	1,1-Dichloroethane	0.56	5.2		U
107-06-2	1,2-Dichloroethane	0.48	5.2		U
75-35-4	1,1-Dichloroethene	1.2	5.2		U
156-59-2	cis-1,2-Dichloroethene	1.2	5.2		U
156-60-5	trans-1,2-Dichloroethene	1.1	5.2		U
78-87-5	1,2-Dichloropropane	0.48	5.2		U
10061-01-5	cis-1,3-Dichloropropene	0.52	5.2		U
10061-02-6	trans-1,3-Dichloropropene	0.33	5.2		U
123-91-1	1,4-Dioxane	0.52	41		U
100-41-4	Ethylbenzene	0.78	5.2		U
97-63-2	Ethyl methacrylate	0.27	5.2		U
591-78-6	2-Hexanone	2.4	26		U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-DPW11-S45

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.V09061

Matrix: (soil/water) SOIL Lab Sample ID: 0609061-07

Sample wt/vol: 5.3 (g/mL) G Lab File ID: 0906107A

Level: (low/med) LOW Date Sampled: 09/11/06 10:00

% Moisture: not dec. 9 Date Analyzed: 09/16/06 19:43

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	MDL	RL	CONC	Q
74-88-4	Iodomethane	0.86	26		U
78-83-1	Isobutyl alcohol	0.52	41		U
98-82-8	Isopropylbenzene	0.91	5.2		U
79-20-9	Methyl acetate	1.6	5.2		U
126-98-7	Methacrylonitrile	0.52	21		U
108-87-2	Methyl cyclohexane	0.31	5.2		U
75-09-2	Methylene chloride	0.64	10		U
80-62-6	Methyl methacrylate	0.47	5.2		U
1634-04-4	MTBE	0.33	5.2		U
108-10-1	4-Methyl-2-pentanone	0.60	26		U
107-12-0	Propionitrile	0.52	21		U
100-42-5	Styrene	0.36	5.2		U
630-20-6	1,1,1,2-Tetrachloroethane	0.33	5.2		U
79-34-5	1,1,2,2-Tetrachloroethane	0.44	5.2		U
127-18-4	Tetrachloroethene	1.0	5.2		U
108-88-3	Toluene	0.89	5.2		U
87-61-6	1,2,3-Trichlorobenzene	0.44	5.2		U
120-82-1	1,2,4-Trichlorobenzene	0.19	5.2		U
71-55-6	1,1,1-Trichloroethane	0.93	5.2		U
79-00-5	1,1,2-Trichloroethane	0.36	5.2		U
79-01-6	Trichloroethene	0.88	5.2		U
76-13-1	Trichlorotrifluoroethane	0.57	5.2		U
75-69-4	Trichlorofluoromethane	0.98	10		U
96-18-4	1,2,3-Trichloropropane	0.72	5.2		U
108-05-4	Vinyl acetate	0.57	26		U
75-01-4	Vinyl chloride	1.1	7.2		U
108-38-3	m,p-Xylene	1.6	5.2		U
95-47-6	o-Xylene	0.72	5.2		U
1330-20-7	Xylene(total)	0.72	5.2		U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-DPW7-S45

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.V09061

Matrix: (soil/water) SOIL Lab Sample ID: 0609061-08

Sample wt/vol: 5.3 (g/mL) G Lab File ID: 0906108A

Level: (low/med) LOW Date Sampled: 09/11/06 14:10

% Moisture: not dec. 16 Date Analyzed: 09/16/06 20:20

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	MDL	RL	CONC	Q
67-64-1	Acetone	2.2	56		U
75-05-8	Acetonitrile	0.56	22		U
107-02-8	Acrolein	5.8	28		U
107-13-1	Acrylonitrile	1.6	28		U
107-05-1	Allyl chloride	0.56	5.6		U
71-43-2	Benzene	0.52	5.6		U
75-27-4	Bromodichloromethane	0.33	5.6		U
75-25-2	Bromoform	1.1	5.6		U
74-83-9	Bromomethane	0.80	11		U
78-93-3	2-Butanone	1.6	56		U
75-15-0	Carbon disulfide	1.4	5.6		U
56-23-5	Carbon tetrachloride	0.98	5.6		U
108-90-7	Chlorobenzene	2.8	5.6		U
75-00-3	Chloroethane	1.2	11		U
67-66-3	Chloroform	0.61	5.6		U
74-87-3	Chloromethane	0.58	11		U
126-99-8	Chloroprene	0.56	5.6		U
110-82-7	Cyclohexane	0.60	11		U
124-48-1	Dibromochloromethane	0.38	5.6		U
96-12-8	1,2-Dibromo-3-chloropropane	1.3	11		U
106-93-4	1,2-Dibromoethane	0.48	5.6		U
74-95-3	Dibromomethane	0.46	5.6		U
95-50-1	1,2-Dichlorobenzene	0.41	5.6		U
541-73-1	1,3-Dichlorobenzene	0.94	5.6		U
106-46-7	1,4-Dichlorobenzene	0.61	5.6		U
110-57-6	trans-1,4-Dichloro-2-butene	8.9	28		U
75-71-8	Dichlorodifluoromethane	1.2	11		U
75-34-3	1,1-Dichloroethane	0.60	5.6		U
107-06-2	1,2-Dichloroethane	0.51	5.6		U
75-35-4	1,1-Dichloroethene	1.3	5.6		U
156-59-2	cis-1,2-Dichloroethene	1.3	5.6		U
156-60-5	trans-1,2-Dichloroethene	1.2	5.6		U
78-87-5	1,2-Dichloropropane	0.51	5.6		U
10061-01-5	cis-1,3-Dichloropropene	0.56	5.6		U
10061-02-6	trans-1,3-Dichloropropene	0.36	5.6		U
123-91-1	1,4-Dioxane	0.56	44		U
100-41-4	Ethylbenzene	0.84	5.6		U
97-63-2	Ethyl methacrylate	0.29	5.6		U
591-78-6	2-Hexanone	2.6	28		U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-DPW7-S45

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.V09061

Matrix: (soil/water) SOIL Lab Sample ID: 0609061-08

Sample wt/vol: 5.3 (g/mL) G Lab File ID: 0906108A

Level: (low/med) LOW Date Sampled: 09/11/06 14:10

% Moisture: not dec. 16 Date Analyzed: 09/16/06 20:20

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) MDL	RL	CONC	UG/KG Q
74-88-4	Iodomethane	0.92	28		U
78-83-1	Isobutyl alcohol	0.56	44		U
98-82-8	Isopropylbenzene	0.98	5.6		U
79-20-9	Methyl acetate	1.8	5.6		U
126-98-7	Methacrylonitrile	0.56	22		U
108-87-2	Methyl cyclohexane	0.33	5.6		U
75-09-2	Methylene chloride	0.69	11		U
80-62-6	Methyl methacrylate	0.50	5.6		U
1634-04-4	MTBE	0.36	5.6		U
108-10-1	4-Methyl-2-pentanone	0.65	28		U
107-12-0	Propionitrile	0.56	22		U
100-42-5	Styrene	0.39	5.6		U
630-20-6	1,1,1,2-Tetrachloroethane	0.36	5.6		U
79-34-5	1,1,2,2-Tetrachloroethane	0.48	5.6		U
127-18-4	Tetrachloroethene	1.1	5.6		U
108-88-3	Toluene	0.96	5.6		U
87-61-6	1,2,3-Trichlorobenzene	0.47	5.6		U
120-82-1	1,2,4-Trichlorobenzene	0.20	5.6		U
71-55-6	1,1,1-Trichloroethane	1.0	5.6		U
79-00-5	1,1,2-Trichloroethane	0.39	5.6		U
79-01-6	Trichloroethene	0.95	5.6		U
76-13-1	Trichlorotrifluoroethane	0.61	5.6		U
75-69-4	Trichlorofluoromethane	1.0	11		U
96-18-4	1,2,3-Trichloropropane	0.78	5.6		U
108-05-4	Vinyl acetate	0.61	28		U
75-01-4	Vinyl chloride	1.2	7.8		U
108-38-3	m,p-Xylene	1.7	5.6		U
95-47-6	o-Xylene	0.78	5.6		U
1330-20-7	Xylene(total)	0.78	5.6		U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-DP
W7-G53-55

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.V09061

Matrix: (soil/water) WATER Lab Sample ID: 0609061-09

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 0906109

Level: (low/med) LOW Date Sampled: 09/11/06 15:00

% Moisture: not dec. _____ Date Analyzed: 09/22/06 14:28

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
67-64-1	Acetone	1.1	10	24	
75-05-8	Acetonitrile	0.20	5.0		U
107-02-8	Acrolein	4.1	5.0		U
107-13-1	Acrylonitrile	0.95	5.0		U
107-05-1	Allyl chloride	0.20	1.0		U
71-43-2	Benzene	0.11	1.0		U
75-27-4	Bromodichloromethane	0.24	1.0		U
75-25-2	Bromoform	0.24	1.0		U
74-83-9	Bromomethane	0.33	2.0		U
78-93-3	2-Butanone	1.2	10		U
75-15-0	Carbon disulfide	0.13	1.0		U
56-23-5	Carbon tetrachloride	0.14	1.0		U
108-90-7	Chlorobenzene	0.28	1.0		U
75-00-3	Chloroethane	0.38	2.0		U
67-66-3	Chloroform	0.15	1.0		U
74-87-3	Chloromethane	0.18	2.0		U
126-99-8	Chloroprene	0.20	1.0		U
110-82-7	Cyclohexane	0.18	2.0		U
124-48-1	Dibromochloromethane	0.20	1.0		U
96-12-8	1,2-Dibromo-3-chloropropane	0.28	2.0		U
106-93-4	1,2-Dibromoethane	0.14	1.0		U
74-95-3	Dibromomethane	0.14	1.0		U
95-50-1	1,2-Dichlorobenzene	0.17	1.0		U
541-73-1	1,3-Dichlorobenzene	0.21	1.0		U
106-46-7	1,4-Dichlorobenzene	0.12	1.0		U
110-57-6	trans-1,4-Dichloro-2-butene	0.60	5.0		U
75-71-8	Dichlorodifluoromethane	0.24	2.0		U
75-34-3	1,1-Dichloroethane	0.15	1.0		U
107-06-2	1,2-Dichloroethane	0.15	1.0		U
75-35-4	1,1-Dichloroethene	0.42	1.0		U
156-59-2	cis-1,2-Dichloroethene	0.44	1.0		U
156-60-5	trans-1,2-Dichloroethene	0.40	1.0		U
78-87-5	1,2-Dichloropropane	0.18	1.0		U
10061-01-5	cis-1,3-Dichloropropene	0.13	1.0		U
10061-02-6	trans-1,3-Dichloropropene	0.22	1.0		U
123-91-1	1,4-Dioxane	0.20	20		U
100-41-4	Ethylbenzene	0.14	1.0		U
97-63-2	Ethyl methacrylate	0.21	1.0		U
591-78-6	2-Hexanone	0.83	5.0		U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.
OLFS4-DP
W7-G53-55

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.V09061

Matrix: (soil/water) WATER Lab Sample ID: 0609061-09

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 0906109

Level: (low/med) LOW Date Sampled: 09/11/06 15:00

% Moisture: not dec. _____ Date Analyzed: 09/22/06 14:28

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
74-88-4	Iodomethane	0.19	5.0		U
78-83-1	Isobutyl alcohol	0.20	10		U
98-82-8	Isopropylbenzene	0.25	1.0		U
79-20-9	Methyl acetate	0.87	1.0		U
126-98-7	Methacrylonitrile	0.20	5.0		U
108-87-2	Methyl cyclohexane	0.20	1.0		U
75-09-2	Methylene chloride	0.26	2.0		U
80-62-6	Methyl methacrylate	0.35	1.0		U
1634-04-4	MTBE	0.17	1.0		U
108-10-1	4-Methyl-2-pentanone	1.4	5.0		U
107-12-0	Propionitrile	0.20	5.0		U
100-42-5	Styrene	0.22	1.0		U
630-20-6	1,1,1,2-Tetrachloroethane	0.19	1.0		U
79-34-5	1,1,2,2-Tetrachloroethane	0.22	1.0		U
127-18-4	Tetrachloroethene	0.14	1.0		U
108-88-3	Toluene	0.18	1.0		U
87-61-6	1,2,3-Trichlorobenzene	0.16	1.0		U
120-82-1	1,2,4-Trichlorobenzene	0.14	1.0		U
71-55-6	1,1,1-Trichloroethane	0.15	1.0		U
79-00-5	1,1,2-Trichloroethane	0.17	1.0		U
79-01-6	Trichloroethene	0.28	1.0		U
76-13-1	Trichlorotrifluoroethane	0.22	1.0		U
75-69-4	Trichlorofluoromethane	0.15	2.0		U
96-18-4	1,2,3-Trichloropropane	0.31	1.0		U
108-05-4	Vinyl acetate	1.3	5.0		U
75-01-4	Vinyl chloride	0.19	1.0		U
108-38-3	m,p-Xylene	0.26	1.0		U
95-47-6	o-Xylene	0.21	1.0		U
1330-20-7	Xylene(total)	0.21	1.0		U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-DPW12-S45

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.V09061

Matrix: (soil/water) SOIL Lab Sample ID: 0609061-10

Sample wt/vol: 5.3 (g/mL) G Lab File ID: 0906110A

Level: (low/med) LOW Date Sampled: 09/11/06 16:35

% Moisture: not dec. 15 Date Analyzed: 09/16/06 20:57

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG MDL	RL	CONC	Q
67-64-1	Acetone	2.2	55		U
75-05-8	Acetonitrile	0.55	22		U
107-02-8	Acrolein	5.7	28		U
107-13-1	Acrylonitrile	1.5	28		U
107-05-1	Allyl chloride	0.55	5.5		U
71-43-2	Benzene	0.52	5.5		U
75-27-4	Bromodichloromethane	0.33	5.5		U
75-25-2	Bromoform	1.1	5.5		U
74-83-9	Bromomethane	0.80	11		U
78-93-3	2-Butanone	1.5	55		U
75-15-0	Carbon disulfide	1.4	5.5		U
56-23-5	Carbon tetrachloride	0.97	5.5		U
108-90-7	Chlorobenzene	2.8	5.5		U
75-00-3	Chloroethane	1.2	11		U
67-66-3	Chloroform	0.61	5.5		U
74-87-3	Chloromethane	0.57	11		U
126-99-8	Chloroprene	0.55	5.5		U
110-82-7	Cyclohexane	0.60	11		U
124-48-1	Dibromochloromethane	0.38	5.5		U
96-12-8	1,2-Dibromo-3-chloropropane	1.3	11		U
106-93-4	1,2-Dibromoethane	0.48	5.5		U
74-95-3	Dibromomethane	0.45	5.5		U
95-50-1	1,2-Dichlorobenzene	0.41	5.5		U
541-73-1	1,3-Dichlorobenzene	0.93	5.5		U
106-46-7	1,4-Dichlorobenzene	0.61	5.5		U
110-57-6	trans-1,4-Dichloro-2-butene	8.8	28		U
75-71-8	Dichlorodifluoromethane	1.2	11		U
75-34-3	1,1-Dichloroethane	0.60	5.5		U
107-06-2	1,2-Dichloroethane	0.51	5.5		U
75-35-4	1,1-Dichloroethene	1.3	5.5		U
156-59-2	cis-1,2-Dichloroethene	1.3	5.5		U
156-60-5	trans-1,2-Dichloroethene	1.2	5.5		U
78-87-5	1,2-Dichloropropane	0.51	5.5		U
10061-01-5	cis-1,3-Dichloropropene	0.55	5.5		U
10061-02-6	trans-1,3-Dichloropropene	0.35	5.5		U
123-91-1	1,4-Dioxane	0.55	44		U
100-41-4	Ethylbenzene	0.83	5.5		U
97-63-2	Ethyl methacrylate	0.29	5.5		U
591-78-6	2-Hexanone	2.5	28		U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-DPW12-S45

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.V09061

Matrix: (soil/water) SOIL Lab Sample ID: 0609061-10

Sample wt/vol: 5.3 (g/mL) G Lab File ID: 0906110A

Level: (low/med) LOW Date Sampled: 09/11/06 16:35

% Moisture: not dec. 15 Date Analyzed: 09/16/06 20:57

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	MDL	RL	CONC	Q
74-88-4	Iodomethane	0.92	28		U
78-83-1	Isobutyl alcohol	0.55	44		U
98-82-8	Isopropylbenzene	0.97	5.5		U
79-20-9	Methyl acetate	1.8	5.5		U
126-98-7	Methacrylonitrile	0.55	22		U
108-87-2	Methyl cyclohexane	0.33	5.5		U
75-09-2	Methylene chloride	0.68	11		U
80-62-6	Methyl methacrylate	0.50	5.5		U
1634-04-4	MTBE	0.35	5.5		U
108-10-1	4-Methyl-2-pentanone	0.64	28		U
107-12-0	Propionitrile	0.55	22		U
100-42-5	Styrene	0.39	5.5		U
630-20-6	1,1,1,2-Tetrachloroethane	0.35	5.5		U
79-34-5	1,1,2,2-Tetrachloroethane	0.48	5.5		U
127-18-4	Tetrachloroethene	1.1	5.5		U
108-88-3	Toluene	0.95	5.5		U
87-61-6	1,2,3-Trichlorobenzene	0.46	5.5		U
120-82-1	1,2,4-Trichlorobenzene	0.20	5.5		U
71-55-6	1,1,1-Trichloroethane	0.99	5.5		U
79-00-5	1,1,2-Trichloroethane	0.39	5.5		U
79-01-6	Trichloroethene	0.94	5.5		U
76-13-1	Trichlorotrifluoroethane	0.61	5.5		U
75-69-4	Trichlorofluoromethane	1.0	11		U
96-18-4	1,2,3-Trichloropropane	0.77	5.5		U
108-05-4	Vinyl acetate	0.61	28		U
75-01-4	Vinyl chloride	1.2	7.7		U
108-38-3	m,p-Xylene	1.6	5.5		U
95-47-6	o-Xylene	0.77	5.5		U
1330-20-7	Xylene(total)	0.77	5.5		U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-TB5

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.V09061

Matrix: (soil/water) WATER Lab Sample ID: 0609061-11

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 0906111

Level: (low/med) LOW Date Sampled: 09/11/06 :

% Moisture: not dec. _____ Date Analyzed: 09/22/06 11:16

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
67-64-1	Acetone	1.1	10		U
75-05-8	Acetonitrile	0.20	5.0		U
107-02-8	Acrolein	4.1	5.0		U
107-13-1	Acrylonitrile	0.95	5.0		U
107-05-1	Allyl chloride	0.20	1.0		U
71-43-2	Benzene	0.11	1.0		U
75-27-4	Bromodichloromethane	0.24	1.0		U
75-25-2	Bromoform	0.24	1.0		U
74-83-9	Bromomethane	0.33	2.0		U
78-93-3	2-Butanone	1.2	10		U
75-15-0	Carbon disulfide	0.13	1.0		U
56-23-5	Carbon tetrachloride	0.14	1.0		U
108-90-7	Chlorobenzene	0.28	1.0		U
75-00-3	Chloroethane	0.38	2.0		U
67-66-3	Chloroform	0.15	1.0		U
74-87-3	Chloromethane	0.18	2.0		U
126-99-8	Chloroprene	0.20	1.0		U
110-82-7	Cyclohexane	0.18	2.0		U
124-48-1	Dibromochloromethane	0.20	1.0		U
96-12-8	1,2-Dibromo-3-chloropropane	0.28	2.0		U
106-93-4	1,2-Dibromoethane	0.14	1.0		U
74-95-3	Dibromomethane	0.14	1.0		U
95-50-1	1,2-Dichlorobenzene	0.17	1.0		U
541-73-1	1,3-Dichlorobenzene	0.21	1.0		U
106-46-7	1,4-Dichlorobenzene	0.12	1.0		U
110-57-6	trans-1,4-Dichloro-2-butene	0.60	5.0		U
75-71-8	Dichlorodifluoromethane	0.24	2.0		U
75-34-3	1,1-Dichloroethane	0.15	1.0		U
107-06-2	1,2-Dichloroethane	0.15	1.0		U
75-35-4	1,1-Dichloroethene	0.42	1.0		U
156-59-2	cis-1,2-Dichloroethene	0.44	1.0		U
156-60-5	trans-1,2-Dichloroethene	0.40	1.0		U
78-87-5	1,2-Dichloropropane	0.18	1.0		U
10061-01-5	cis-1,3-Dichloropropene	0.13	1.0		U
10061-02-6	trans-1,3-Dichloropropene	0.22	1.0		U
123-91-1	1,4-Dioxane	0.20	20		U
100-41-4	Ethylbenzene	0.14	1.0		U
97-63-2	Ethyl methacrylate	0.21	1.0		U
591-78-6	2-Hexanone	0.83	5.0		U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-TB5

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.V09061

Matrix: (soil/water) WATER Lab Sample ID: 0609061-11

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 0906111

Level: (low/med) LOW Date Sampled: 09/11/06 :

% Moisture: not dec. _____ Date Analyzed: 09/22/06 11:16

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
74-88-4	Iodomethane	0.19	5.0		U
78-83-1	Isobutyl alcohol	0.20	10		U
98-82-8	Isopropylbenzene	0.25	1.0		U
79-20-9	Methyl acetate	0.87	1.0		U
126-98-7	Methacrylonitrile	0.20	5.0		U
108-87-2	Methyl cyclohexane	0.20	1.0		U
75-09-2	Methylene chloride	0.26	2.0		U
80-62-6	Methyl methacrylate	0.35	1.0		U
1634-04-4	MTBE	0.17	1.0		U
108-10-1	4-Methyl-2-pentanone	1.4	5.0		U
107-12-0	Propionitrile	0.20	5.0		U
100-42-5	Styrene	0.22	1.0		U
630-20-6	1,1,1,2-Tetrachloroethane	0.19	1.0		U
79-34-5	1,1,2,2-Tetrachloroethane	0.22	1.0		U
127-18-4	Tetrachloroethene	0.14	1.0		U
108-88-3	Toluene	0.18	1.0		U
87-61-6	1,2,3-Trichlorobenzene	0.16	1.0		U
120-82-1	1,2,4-Trichlorobenzene	0.14	1.0		U
71-55-6	1,1,1-Trichloroethane	0.15	1.0		U
79-00-5	1,1,2-Trichloroethane	0.17	1.0		U
79-01-6	Trichloroethene	0.28	1.0		U
76-13-1	Trichlorotrifluoroethane	0.22	1.0		U
75-69-4	Trichlorofluoromethane	0.15	2.0		U
96-18-4	1,2,3-Trichloropropane	0.31	1.0		U
108-05-4	Vinyl acetate	1.3	5.0		U
75-01-4	Vinyl chloride	0.19	1.0		U
108-38-3	m,p-Xylene	0.26	1.0		U
95-47-6	o-Xylene	0.21	1.0		U
1330-20-7	Xylene(total)	0.21	1.0		U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.
OLFS4-DP
W13-34-36

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.V09061

Matrix: (soil/water) WATER Lab Sample ID: 0609061-12

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 0906112

Level: (low/med) LOW Date Sampled: 09/09/06 11:02

% Moisture: not dec. _____ Date Analyzed: 09/22/06 18:13

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
67-64-1	Acetone	1.1	10	52	
75-05-8	Acetonitrile	0.20	5.0		U
107-02-8	Acrolein	4.1	5.0		U
107-13-1	Acrylonitrile	0.95	5.0		U
107-05-1	Allyl chloride	0.20	1.0		U
71-43-2	Benzene	0.11	1.0	0.17	I
75-27-4	Bromodichloromethane	0.24	1.0		U
75-25-2	Bromoform	0.24	1.0		U
74-83-9	Bromomethane	0.33	2.0		U
78-93-3	2-Butanone	1.2	10	11	
75-15-0	Carbon disulfide	0.13	1.0		U
56-23-5	Carbon tetrachloride	0.14	1.0		U
108-90-7	Chlorobenzene	0.28	1.0		U
75-00-3	Chloroethane	0.38	2.0		U
67-66-3	Chloroform	0.15	1.0		U
74-87-3	Chloromethane	0.18	2.0		U
126-99-8	Chloroprene	0.20	1.0		U
110-82-7	Cyclohexane	0.18	2.0	1.1	I
124-48-1	Dibromochloromethane	0.20	1.0		U
96-12-8	1,2-Dibromo-3-chloropropane	0.28	2.0		U
106-93-4	1,2-Dibromoethane	0.14	1.0		U
74-95-3	Dibromomethane	0.14	1.0		U
95-50-1	1,2-Dichlorobenzene	0.17	1.0		U
541-73-1	1,3-Dichlorobenzene	0.21	1.0		U
106-46-7	1,4-Dichlorobenzene	0.12	1.0		U
110-57-6	trans-1,4-Dichloro-2-butene	0.60	5.0		U
75-71-8	Dichlorodifluoromethane	0.24	2.0		U
75-34-3	1,1-Dichloroethane	0.15	1.0		U
107-06-2	1,2-Dichloroethane	0.15	1.0		U
75-35-4	1,1-Dichloroethene	0.42	1.0		U
156-59-2	cis-1,2-Dichloroethene	0.44	1.0		U
156-60-5	trans-1,2-Dichloroethene	0.40	1.0		U
78-87-5	1,2-Dichloropropane	0.18	1.0		U
10061-01-5	cis-1,3-Dichloropropene	0.13	1.0		U
10061-02-6	trans-1,3-Dichloropropene	0.22	1.0		U
123-91-1	1,4-Dioxane	0.20	20		U
100-41-4	Ethylbenzene	0.14	1.0	53	
97-63-2	Ethyl methacrylate	0.21	1.0		U
591-78-6	2-Hexanone	0.83	5.0	2.0	I

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-DP
W13-34-36

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.V09061

Matrix: (soil/water) WATER Lab Sample ID: 0609061-12

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 0906112

Level: (low/med) LOW Date Sampled: 09/09/06 11:02

% Moisture: not dec. _____ Date Analyzed: 09/22/06 18:13

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
74-88-4	Iodomethane	0.19	5.0		U
78-83-1	Isobutyl alcohol	0.20	10		U
98-82-8	Isopropylbenzene	0.25	1.0	33	
79-20-9	Methyl acetate	0.87	1.0		U
126-98-7	Methacrylonitrile	0.20	5.0		U
108-87-2	Methyl cyclohexane	0.20	1.0	8.8	
75-09-2	Methylene chloride	0.26	2.0		U
80-62-6	Methyl methacrylate	0.35	1.0		U
1634-04-4	MTBE	0.17	1.0		U
108-10-1	4-Methyl-2-pentanone	1.4	5.0		U
107-12-0	Propionitrile	0.20	5.0		U
100-42-5	Styrene	0.22	1.0		U
630-20-6	1,1,1,2-Tetrachloroethane	0.19	1.0		U
79-34-5	1,1,2,2-Tetrachloroethane	0.22	1.0		U
127-18-4	Tetrachloroethene	0.14	1.0		U
108-88-3	Toluene	0.18	1.0	10	
87-61-6	1,2,3-Trichlorobenzene	0.16	1.0		U
120-82-1	1,2,4-Trichlorobenzene	0.14	1.0		U
71-55-6	1,1,1-Trichloroethane	0.15	1.0		U
79-00-5	1,1,2-Trichloroethane	0.17	1.0		U
79-01-6	Trichloroethene	0.28	1.0		U
76-13-1	Trichlorotrifluoroethane	0.22	1.0		U
75-69-4	Trichlorofluoromethane	0.15	2.0		U
96-18-4	1,2,3-Trichloropropane	0.31	1.0		U
108-05-4	Vinyl acetate	1.3	5.0		U
75-01-4	Vinyl chloride	0.19	1.0		U
108-38-3	m,p-Xylene	0.26	1.0	87	
95-47-6	o-Xylene	0.21	1.0	77	
1330-20-7	Xylene(total)	0.21	1.0	160	

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-DP
W15-36-38

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.V09061

Matrix: (soil/water) WATER Lab Sample ID: 0609061-13

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 0906113

Level: (low/med) LOW Date Sampled: 09/09/06 15:15

% Moisture: not dec. _____ Date Analyzed: 09/22/06 15:01

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
67-64-1	Acetone	1.1	10		U
75-05-8	Acetonitrile	0.20	5.0		U
107-02-8	Acrolein	4.1	5.0		U
107-13-1	Acrylonitrile	0.95	5.0		U
107-05-1	Allyl chloride	0.20	1.0		U
71-43-2	Benzene	0.11	1.0		U
75-27-4	Bromodichloromethane	0.24	1.0		U
75-25-2	Bromoform	0.24	1.0		U
74-83-9	Bromomethane	0.33	2.0		U
78-93-3	2-Butanone	1.2	10		U
75-15-0	Carbon disulfide	0.13	1.0		U
56-23-5	Carbon tetrachloride	0.14	1.0		U
108-90-7	Chlorobenzene	0.28	1.0		U
75-00-3	Chloroethane	0.38	2.0		U
67-66-3	Chloroform	0.15	1.0	0.16	I
74-87-3	Chloromethane	0.18	2.0		U
126-99-8	Chloroprene	0.20	1.0		U
110-82-7	Cyclohexane	0.18	2.0		U
124-48-1	Dibromochloromethane	0.20	1.0		U
96-12-8	1,2-Dibromo-3-chloropropane	0.28	2.0		U
106-93-4	1,2-Dibromoethane	0.14	1.0		U
74-95-3	Dibromomethane	0.14	1.0		U
95-50-1	1,2-Dichlorobenzene	0.17	1.0		U
541-73-1	1,3-Dichlorobenzene	0.21	1.0		U
106-46-7	1,4-Dichlorobenzene	0.12	1.0		U
110-57-6	trans-1,4-Dichloro-2-butene	0.60	5.0		U
75-71-8	Dichlorodifluoromethane	0.24	2.0		U
75-34-3	1,1-Dichloroethane	0.15	1.0		U
107-06-2	1,2-Dichloroethane	0.15	1.0		U
75-35-4	1,1-Dichloroethene	0.42	1.0		U
156-59-2	cis-1,2-Dichloroethene	0.44	1.0		U
156-60-5	trans-1,2-Dichloroethene	0.40	1.0		U
78-87-5	1,2-Dichloropropane	0.18	1.0		U
10061-01-5	cis-1,3-Dichloropropene	0.13	1.0		U
10061-02-6	trans-1,3-Dichloropropene	0.22	1.0		U
123-91-1	1,4-Dioxane	0.20	20		U
100-41-4	Ethylbenzene	0.14	1.0		U
97-63-2	Ethyl methacrylate	0.21	1.0		U
591-78-6	2-Hexanone	0.83	5.0		U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.
OLFS4-DP
W15-36-38

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.V09061

Matrix: (soil/water) WATER Lab Sample ID: 0609061-13

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 0906113

Level: (low/med) LOW Date Sampled: 09/09/06 15:15

% Moisture: not dec. _____ Date Analyzed: 09/22/06 15:01

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
74-88-4	Iodomethane	0.19	5.0		U
78-83-1	Isobutyl alcohol	0.20	10		U
98-82-8	Isopropylbenzene	0.25	1.0		U
79-20-9	Methyl acetate	0.87	1.0		U
126-98-7	Methacrylonitrile	0.20	5.0		U
108-87-2	Methyl cyclohexane	0.20	1.0		U
75-09-2	Methylene chloride	0.26	2.0		U
80-62-6	Methyl methacrylate	0.35	1.0		U
1634-04-4	MTBE	0.17	1.0		U
108-10-1	4-Methyl-2-pentanone	1.4	5.0		U
107-12-0	Propionitrile	0.20	5.0		U
100-42-5	Styrene	0.22	1.0		U
630-20-6	1,1,1,2-Tetrachloroethane	0.19	1.0		U
79-34-5	1,1,2,2-Tetrachloroethane	0.22	1.0		U
127-18-4	Tetrachloroethene	0.14	1.0		U
108-88-3	Toluene	0.18	1.0		U
87-61-6	1,2,3-Trichlorobenzene	0.16	1.0		U
120-82-1	1,2,4-Trichlorobenzene	0.14	1.0		U
71-55-6	1,1,1-Trichloroethane	0.15	1.0		U
79-00-5	1,1,2-Trichloroethane	0.17	1.0		U
79-01-6	Trichloroethene	0.28	1.0		U
76-13-1	Trichlorotrifluoroethane	0.22	1.0		U
75-69-4	Trichlorofluoromethane	0.15	2.0		U
96-18-4	1,2,3-Trichloropropane	0.31	1.0		U
108-05-4	Vinyl acetate	1.3	5.0		U
75-01-4	Vinyl chloride	0.19	1.0		U
108-38-3	m,p-Xylene	0.26	1.0		U
95-47-6	o-Xylene	0.21	1.0		U
1330-20-7	Xylene(total)	0.21	1.0		U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.
OLFS4DPW
17-34-36

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.V09061

Matrix: (soil/water) WATER Lab Sample ID: 0609061-14

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 0906114

Level: (low/med) LOW Date Sampled: 09/10/06 09:28

% Moisture: not dec. _____ Date Analyzed: 09/22/06 15:33

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
67-64-1	Acetone	1.1	10		U
75-05-8	Acetonitrile	0.20	5.0		U
107-02-8	Acrolein	4.1	5.0		U
107-13-1	Acrylonitrile	0.95	5.0		U
107-05-1	Allyl chloride	0.20	1.0		U
71-43-2	Benzene	0.11	1.0		U
75-27-4	Bromodichloromethane	0.24	1.0		U
75-25-2	Bromoform	0.24	1.0		U
74-83-9	Bromomethane	0.33	2.0		U
78-93-3	2-Butanone	1.2	10		U
75-15-0	Carbon disulfide	0.13	1.0		U
56-23-5	Carbon tetrachloride	0.14	1.0		U
108-90-7	Chlorobenzene	0.28	1.0		U
75-00-3	Chloroethane	0.38	2.0		U
67-66-3	Chloroform	0.15	1.0	1.2	
74-87-3	Chloromethane	0.18	2.0		U
126-99-8	Chloroprene	0.20	1.0		U
110-82-7	Cyclohexane	0.18	2.0		U
124-48-1	Dibromochloromethane	0.20	1.0		U
96-12-8	1,2-Dibromo-3-chloropropane	0.28	2.0		U
106-93-4	1,2-Dibromoethane	0.14	1.0		U
74-95-3	Dibromomethane	0.14	1.0		U
95-50-1	1,2-Dichlorobenzene	0.17	1.0		U
541-73-1	1,3-Dichlorobenzene	0.21	1.0		U
106-46-7	1,4-Dichlorobenzene	0.12	1.0		U
110-57-6	trans-1,4-Dichloro-2-butene	0.60	5.0		U
75-71-8	Dichlorodifluoromethane	0.24	2.0		U
75-34-3	1,1-Dichloroethane	0.15	1.0		U
107-06-2	1,2-Dichloroethane	0.15	1.0		U
75-35-4	1,1-Dichloroethene	0.42	1.0		U
156-59-2	cis-1,2-Dichloroethene	0.44	1.0		U
156-60-5	trans-1,2-Dichloroethene	0.40	1.0		U
78-87-5	1,2-Dichloropropane	0.18	1.0		U
10061-01-5	cis-1,3-Dichloropropene	0.13	1.0		U
10061-02-6	trans-1,3-Dichloropropene	0.22	1.0		U
123-91-1	1,4-Dioxane	0.20	20		U
100-41-4	Ethylbenzene	0.14	1.0		U
97-63-2	Ethyl methacrylate	0.21	1.0		U
591-78-6	2-Hexanone	0.83	5.0		U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.
OLFS4DPW
17-34-36

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.V09061

Matrix: (soil/water) WATER Lab Sample ID: 0609061-14

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 0906114

Level: (low/med) LOW Date Sampled: 09/10/06 09:28

% Moisture: not dec. _____ Date Analyzed: 09/22/06 15:33

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
74-88-4	Iodomethane	0.19	5.0		U
78-83-1	Isobutyl alcohol	0.20	10		U
98-82-8	Isopropylbenzene	0.25	1.0		U
79-20-9	Methyl acetate	0.87	1.0		U
126-98-7	Methacrylonitrile	0.20	5.0		U
108-87-2	Methyl cyclohexane	0.20	1.0		U
75-09-2	Methylene chloride	0.26	2.0		U
80-62-6	Methyl methacrylate	0.35	1.0		U
1634-04-4	MTBE	0.17	1.0		U
108-10-1	4-Methyl-2-pentanone	1.4	5.0		U
107-12-0	Propionitrile	0.20	5.0		U
100-42-5	Styrene	0.22	1.0		U
630-20-6	1,1,1,2-Tetrachloroethane	0.19	1.0		U
79-34-5	1,1,2,2-Tetrachloroethane	0.22	1.0		U
127-18-4	Tetrachloroethene	0.14	1.0		U
108-88-3	Toluene	0.18	1.0		U
87-61-6	1,2,3-Trichlorobenzene	0.16	1.0		U
120-82-1	1,2,4-Trichlorobenzene	0.14	1.0		U
71-55-6	1,1,1-Trichloroethane	0.15	1.0		U
79-00-5	1,1,2-Trichloroethane	0.17	1.0		U
79-01-6	Trichloroethene	0.28	1.0		U
76-13-1	Trichlorotrifluoroethane	0.22	1.0		U
75-69-4	Trichlorofluoromethane	0.15	2.0		U
96-18-4	1,2,3-Trichloropropane	0.31	1.0		U
108-05-4	Vinyl acetate	1.3	5.0		U
75-01-4	Vinyl chloride	0.19	1.0		U
108-38-3	m,p-Xylene	0.26	1.0		U
95-47-6	o-Xylene	0.21	1.0		U
1330-20-7	Xylene(total)	0.21	1.0		U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.
OLFS4-DP
W22-32-34

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.V09061

Matrix: (soil/water) WATER Lab Sample ID: 0609061-15

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 0906115

Level: (low/med) LOW Date Sampled: 09/11/06 09:20

% Moisture: not dec. _____ Date Analyzed: 09/22/06 16:05

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
67-64-1	Acetone	1.1	10	6.4	I
75-05-8	Acetonitrile	0.20	5.0		U
107-02-8	Acrolein	4.1	5.0		U
107-13-1	Acrylonitrile	0.95	5.0		U
107-05-1	Allyl chloride	0.20	1.0		U
71-43-2	Benzene	0.11	1.0		U
75-27-4	Bromodichloromethane	0.24	1.0		U
75-25-2	Bromoform	0.24	1.0		U
74-83-9	Bromomethane	0.33	2.0		U
78-93-3	2-Butanone	1.2	10		U
75-15-0	Carbon disulfide	0.13	1.0	0.73	I
56-23-5	Carbon tetrachloride	0.14	1.0		U
108-90-7	Chlorobenzene	0.28	1.0		U
75-00-3	Chloroethane	0.38	2.0		U
67-66-3	Chloroform	0.15	1.0		U
74-87-3	Chloromethane	0.18	2.0	0.30	I
126-99-8	Chloroprene	0.20	1.0		U
110-82-7	Cyclohexane	0.18	2.0		U
124-48-1	Dibromochloromethane	0.20	1.0		U
96-12-8	1,2-Dibromo-3-chloropropane	0.28	2.0		U
106-93-4	1,2-Dibromoethane	0.14	1.0		U
74-95-3	Dibromomethane	0.14	1.0		U
95-50-1	1,2-Dichlorobenzene	0.17	1.0		U
541-73-1	1,3-Dichlorobenzene	0.21	1.0		U
106-46-7	1,4-Dichlorobenzene	0.12	1.0		U
110-57-6	trans-1,4-Dichloro-2-butene	0.60	5.0		U
75-71-8	Dichlorodifluoromethane	0.24	2.0		U
75-34-3	1,1-Dichloroethane	0.15	1.0		U
107-06-2	1,2-Dichloroethane	0.15	1.0		U
75-35-4	1,1-Dichloroethene	0.42	1.0		U
156-59-2	cis-1,2-Dichloroethene	0.44	1.0		U
156-60-5	trans-1,2-Dichloroethene	0.40	1.0		U
78-87-5	1,2-Dichloropropane	0.18	1.0		U
10061-01-5	cis-1,3-Dichloropropene	0.13	1.0		U
10061-02-6	trans-1,3-Dichloropropene	0.22	1.0		U
123-91-1	1,4-Dioxane	0.20	20		U
100-41-4	Ethylbenzene	0.14	1.0		U
97-63-2	Ethyl methacrylate	0.21	1.0		U
591-78-6	2-Hexanone	0.83	5.0		U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.
OLFS4-DP
W22-32-34

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.V09061

Matrix: (soil/water) WATER Lab Sample ID: 0609061-15

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 0906115

Level: (low/med) LOW Date Sampled: 09/11/06 09:20

% Moisture: not dec. _____ Date Analyzed: 09/22/06 16:05

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
74-88-4	Iodomethane	0.19	5.0		U
78-83-1	Isobutyl alcohol	0.20	10		U
98-82-8	Isopropylbenzene	0.25	1.0		U
79-20-9	Methyl acetate	0.87	1.0		U
126-98-7	Methacrylonitrile	0.20	5.0		U
108-87-2	Methyl cyclohexane	0.20	1.0		U
75-09-2	Methylene chloride	0.26	2.0		U
80-62-6	Methyl methacrylate	0.35	1.0		U
1634-04-4	MTBE	0.17	1.0		U
108-10-1	4-Methyl-2-pentanone	1.4	5.0		U
107-12-0	Propionitrile	0.20	5.0		U
100-42-5	Styrene	0.22	1.0		U
630-20-6	1,1,1,2-Tetrachloroethane	0.19	1.0		U
79-34-5	1,1,2,2-Tetrachloroethane	0.22	1.0		U
127-18-4	Tetrachloroethene	0.14	1.0		U
108-88-3	Toluene	0.18	1.0		U
87-61-6	1,2,3-Trichlorobenzene	0.16	1.0		U
120-82-1	1,2,4-Trichlorobenzene	0.14	1.0		U
71-55-6	1,1,1-Trichloroethane	0.15	1.0		U
79-00-5	1,1,2-Trichloroethane	0.17	1.0		U
79-01-6	Trichloroethene	0.28	1.0		U
76-13-1	Trichlorotrifluoroethane	0.22	1.0		U
75-69-4	Trichlorofluoromethane	0.15	2.0		U
96-18-4	1,2,3-Trichloropropane	0.31	1.0		U
108-05-4	Vinyl acetate	1.3	5.0		U
75-01-4	Vinyl chloride	0.19	1.0		U
108-38-3	m,p-Xylene	0.26	1.0		U
95-47-6	o-Xylene	0.21	1.0		U
1330-20-7	Xylene(total)	0.21	1.0		U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-DPW22-S26

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.V09061

Matrix: (soil/water) SOIL Lab Sample ID: 0609061-16

Sample wt/vol: 4.8 (g/mL) G Lab File ID: 0906116A

Level: (low/med) LOW Date Sampled: 09/11/06 08:45

% Moisture: not dec. 5 Date Analyzed: 09/16/06 21:33

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG MDL	RL	CONC	Q
67-64-1	Acetone	2.2	54		U
75-05-8	Acetonitrile	0.54	22		U
107-02-8	Acrolein	5.6	27		U
107-13-1	Acrylonitrile	1.5	27		U
107-05-1	Allyl chloride	0.54	5.4		U
71-43-2	Benzene	0.51	5.4		U
75-27-4	Bromodichloromethane	0.32	5.4		U
75-25-2	Bromoform	1.1	5.4		U
74-83-9	Bromomethane	0.78	11		U
78-93-3	2-Butanone	1.5	54		U
75-15-0	Carbon disulfide	1.4	5.4		U
56-23-5	Carbon tetrachloride	0.96	5.4		U
108-90-7	Chlorobenzene	2.7	5.4		U
75-00-3	Chloroethane	1.2	11		U
67-66-3	Chloroform	0.60	5.4		U
74-87-3	Chloromethane	0.56	11		U
126-99-8	Chloroprene	0.54	5.4		U
110-82-7	Cyclohexane	0.59	11		U
124-48-1	Dibromochloromethane	0.37	5.4		U
96-12-8	1,2-Dibromo-3-chloropropane	1.3	11		U
106-93-4	1,2-Dibromoethane	0.47	5.4		U
74-95-3	Dibromomethane	0.44	5.4		U
95-50-1	1,2-Dichlorobenzene	0.40	5.4		U
541-73-1	1,3-Dichlorobenzene	0.91	5.4		U
106-46-7	1,4-Dichlorobenzene	0.60	5.4		U
110-57-6	trans-1,4-Dichloro-2-butene	8.7	27		U
75-71-8	Dichlorodifluoromethane	1.2	11		U
75-34-3	1,1-Dichloroethane	0.59	5.4		U
107-06-2	1,2-Dichloroethane	0.50	5.4		U
75-35-4	1,1-Dichloroethene	1.3	5.4		U
156-59-2	cis-1,2-Dichloroethene	1.3	5.4		U
156-60-5	trans-1,2-Dichloroethene	1.2	5.4		U
78-87-5	1,2-Dichloropropane	0.50	5.4		U
10061-01-5	cis-1,3-Dichloropropene	0.54	5.4		U
10061-02-6	trans-1,3-Dichloropropene	0.35	5.4		U
123-91-1	1,4-Dioxane	0.54	43		U
100-41-4	Ethylbenzene	0.81	5.4		U
97-63-2	Ethyl methacrylate	0.28	5.4		U
591-78-6	2-Hexanone	2.5	27		U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-DPW22-S26

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.V09061

Matrix: (soil/water) SOIL Lab Sample ID: 0609061-16

Sample wt/vol: 4.8 (g/mL) G Lab File ID: 0906116A

Level: (low/med) LOW Date Sampled: 09/11/06 08:45

% Moisture: not dec. 5 Date Analyzed: 09/16/06 21:33

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	MDL	RL	CONC	Q
74-88-4	Iodomethane	0.90	27		U
78-83-1	Isobutyl alcohol	0.54	43		U
98-82-8	Isopropylbenzene	0.96	5.4		U
79-20-9	Methyl acetate	1.7	5.4		U
126-98-7	Methacrylonitrile	0.54	22		U
108-87-2	Methyl cyclohexane	0.32	5.4		U
75-09-2	Methylene chloride	0.67	11		U
80-62-6	Methyl methacrylate	0.49	5.4		U
1634-04-4	MTBE	0.35	5.4		U
108-10-1	4-Methyl-2-pentanone	0.63	27		U
107-12-0	Propionitrile	0.54	22		U
100-42-5	Styrene	0.38	5.4		U
630-20-6	1,1,1,2-Tetrachloroethane	0.35	5.4		U
79-34-5	1,1,2,2-Tetrachloroethane	0.47	5.4		U
127-18-4	Tetrachloroethene	1.0	5.4		U
108-88-3	Toluene	0.93	5.4		U
87-61-6	1,2,3-Trichlorobenzene	0.46	5.4		U
120-82-1	1,2,4-Trichlorobenzene	0.20	5.4		U
71-55-6	1,1,1-Trichloroethane	0.98	5.4		U
79-00-5	1,1,2-Trichloroethane	0.38	5.4		U
79-01-6	Trichloroethene	0.92	5.4		U
76-13-1	Trichlorotrifluoroethane	0.60	5.4		U
75-69-4	Trichlorofluoromethane	1.0	11		U
96-18-4	1,2,3-Trichloropropane	0.76	5.4		U
108-05-4	Vinyl acetate	0.60	27		U
75-01-4	Vinyl chloride	1.2	7.6		U
108-38-3	m,p-Xylene	1.6	5.4		U
95-47-6	o-Xylene	0.76	5.4		U
1330-20-7	Xylene(total)	0.76	5.4		U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.
OLFS4-DP
W23-30-32

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.V09061

Matrix: (soil/water) WATER Lab Sample ID: 0609061-17

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 0906117

Level: (low/med) LOW Date Sampled: 09/11/06 11:25

% Moisture: not dec. _____ Date Analyzed: 09/22/06 16:37

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
67-64-1	Acetone	1.1	10	5.5	I
75-05-8	Acetonitrile	0.20	5.0		U
107-02-8	Acrolein	4.1	5.0		U
107-13-1	Acrylonitrile	0.95	5.0		U
107-05-1	Allyl chloride	0.20	1.0		U
71-43-2	Benzene	0.11	1.0		U
75-27-4	Bromodichloromethane	0.24	1.0		U
75-25-2	Bromoform	0.24	1.0		U
74-83-9	Bromomethane	0.33	2.0		U
78-93-3	2-Butanone	1.2	10		U
75-15-0	Carbon disulfide	0.13	1.0		U
56-23-5	Carbon tetrachloride	0.14	1.0		U
108-90-7	Chlorobenzene	0.28	1.0		U
75-00-3	Chloroethane	0.38	2.0		U
67-66-3	Chloroform	0.15	1.0		U
74-87-3	Chloromethane	0.18	2.0		U
126-99-8	Chloroprene	0.20	1.0		U
110-82-7	Cyclohexane	0.18	2.0		U
124-48-1	Dibromochloromethane	0.20	1.0		U
96-12-8	1,2-Dibromo-3-chloropropane	0.28	2.0		U
106-93-4	1,2-Dibromoethane	0.14	1.0		U
74-95-3	Dibromomethane	0.14	1.0		U
95-50-1	1,2-Dichlorobenzene	0.17	1.0		U
541-73-1	1,3-Dichlorobenzene	0.21	1.0		U
106-46-7	1,4-Dichlorobenzene	0.12	1.0		U
110-57-6	trans-1,4-Dichloro-2-butene	0.60	5.0		U
75-71-8	Dichlorodifluoromethane	0.24	2.0		U
75-34-3	1,1-Dichloroethane	0.15	1.0		U
107-06-2	1,2-Dichloroethane	0.15	1.0		U
75-35-4	1,1-Dichloroethene	0.42	1.0		U
156-59-2	cis-1,2-Dichloroethene	0.44	1.0		U
156-60-5	trans-1,2-Dichloroethene	0.40	1.0		U
78-87-5	1,2-Dichloropropane	0.18	1.0		U
10061-01-5	cis-1,3-Dichloropropene	0.13	1.0		U
10061-02-6	trans-1,3-Dichloropropene	0.22	1.0		U
123-91-1	1,4-Dioxane	0.20	20		U
100-41-4	Ethylbenzene	0.14	1.0		U
97-63-2	Ethyl methacrylate	0.21	1.0		U
591-78-6	2-Hexanone	0.83	5.0		U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.
OLFS4-DP
W23-30-32

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.V09061

Matrix: (soil/water) WATER Lab Sample ID: 0609061-17

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 0906117

Level: (low/med) LOW Date Sampled: 09/11/06 11:25

% Moisture: not dec. _____ Date Analyzed: 09/22/06 16:37

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
74-88-4	Iodomethane	0.19	5.0		U
78-83-1	Isobutyl alcohol	0.20	10		U
98-82-8	Isopropylbenzene	0.25	1.0	0.36	I
79-20-9	Methyl acetate	0.87	1.0		U
126-98-7	Methacrylonitrile	0.20	5.0		U
108-87-2	Methyl cyclohexane	0.20	1.0		U
75-09-2	Methylene chloride	0.26	2.0		U
80-62-6	Methyl methacrylate	0.35	1.0		U
1634-04-4	MTBE	0.17	1.0		U
108-10-1	4-Methyl-2-pentanone	1.4	5.0		U
107-12-0	Propionitrile	0.20	5.0		U
100-42-5	Styrene	0.22	1.0		U
630-20-6	1,1,1,2-Tetrachloroethane	0.19	1.0		U
79-34-5	1,1,2,2-Tetrachloroethane	0.22	1.0		U
127-18-4	Tetrachloroethene	0.14	1.0		U
108-88-3	Toluene	0.18	1.0		U
87-61-6	1,2,3-Trichlorobenzene	0.16	1.0		U
120-82-1	1,2,4-Trichlorobenzene	0.14	1.0		U
71-55-6	1,1,1-Trichloroethane	0.15	1.0		U
79-00-5	1,1,2-Trichloroethane	0.17	1.0		U
79-01-6	Trichloroethene	0.28	1.0		U
76-13-1	Trichlorotrifluoroethane	0.22	1.0		U
75-69-4	Trichlorofluoromethane	0.15	2.0		U
96-18-4	1,2,3-Trichloropropane	0.31	1.0		U
108-05-4	Vinyl acetate	1.3	5.0		U
75-01-4	Vinyl chloride	0.19	1.0		U
108-38-3	m,p-Xylene	0.26	1.0		U
95-47-6	o-Xylene	0.21	1.0		U
1330-20-7	Xylene(total)	0.21	1.0		U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.
OLFS4-DP
W24-30-31

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.V09061

Matrix: (soil/water) WATER Lab Sample ID: 0609061-18

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 0906118

Level: (low/med) LOW Date Sampled: 09/11/06 15:05

% Moisture: not dec. _____ Date Analyzed: 09/22/06 17:09

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
67-64-1	Acetone	1.1	10	8.4	I
75-05-8	Acetonitrile	0.20	5.0		U
107-02-8	Acrolein	4.1	5.0		U
107-13-1	Acrylonitrile	0.95	5.0		U
107-05-1	Allyl chloride	0.20	1.0		U
71-43-2	Benzene	0.11	1.0		U
75-27-4	Bromodichloromethane	0.24	1.0		U
75-25-2	Bromoform	0.24	1.0		U
74-83-9	Bromomethane	0.33	2.0		U
78-93-3	2-Butanone	1.2	10		U
75-15-0	Carbon disulfide	0.13	1.0	1.1	
56-23-5	Carbon tetrachloride	0.14	1.0		U
108-90-7	Chlorobenzene	0.28	1.0		U
75-00-3	Chloroethane	0.38	2.0		U
67-66-3	Chloroform	0.15	1.0		U
74-87-3	Chloromethane	0.18	2.0		U
126-99-8	Chloroprene	0.20	1.0		U
110-82-7	Cyclohexane	0.18	2.0		U
124-48-1	Dibromochloromethane	0.20	1.0		U
96-12-8	1,2-Dibromo-3-chloropropane	0.28	2.0		U
106-93-4	1,2-Dibromoethane	0.14	1.0		U
74-95-3	Dibromomethane	0.14	1.0		U
95-50-1	1,2-Dichlorobenzene	0.17	1.0		U
541-73-1	1,3-Dichlorobenzene	0.21	1.0		U
106-46-7	1,4-Dichlorobenzene	0.12	1.0		U
110-57-6	trans-1,4-Dichloro-2-butene	0.60	5.0		U
75-71-8	Dichlorodifluoromethane	0.24	2.0		U
75-34-3	1,1-Dichloroethane	0.15	1.0		U
107-06-2	1,2-Dichloroethane	0.15	1.0		U
75-35-4	1,1-Dichloroethene	0.42	1.0		U
156-59-2	cis-1,2-Dichloroethene	0.44	1.0		U
156-60-5	trans-1,2-Dichloroethene	0.40	1.0		U
78-87-5	1,2-Dichloropropane	0.18	1.0		U
10061-01-5	cis-1,3-Dichloropropene	0.13	1.0		U
10061-02-6	trans-1,3-Dichloropropene	0.22	1.0		U
123-91-1	1,4-Dioxane	0.20	20		U
100-41-4	Ethylbenzene	0.14	1.0	2.5	
97-63-2	Ethyl methacrylate	0.21	1.0		U
591-78-6	2-Hexanone	0.83	5.0		U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-DP
W24-30-31

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.V09061

Matrix: (soil/water) WATER Lab Sample ID: 0609061-18

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 0906118

Level: (low/med) LOW Date Sampled: 09/11/06 15:05

% Moisture: not dec. _____ Date Analyzed: 09/22/06 17:09

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
74-88-4	Iodomethane	0.19	5.0		U
78-83-1	Isobutyl alcohol	0.20	10		U
98-82-8	Isopropylbenzene	0.25	1.0	3.8	
79-20-9	Methyl acetate	0.87	1.0		U
126-98-7	Methacrylonitrile	0.20	5.0		U
108-87-2	Methyl cyclohexane	0.20	1.0	0.53	I
75-09-2	Methylene chloride	0.26	2.0		U
80-62-6	Methyl methacrylate	0.35	1.0		U
1634-04-4	MTBE	0.17	1.0		U
108-10-1	4-Methyl-2-pentanone	1.4	5.0		U
107-12-0	Propionitrile	0.20	5.0		U
100-42-5	Styrene	0.22	1.0		U
630-20-6	1,1,1,2-Tetrachloroethane	0.19	1.0		U
79-34-5	1,1,2,2-Tetrachloroethane	0.22	1.0		U
127-18-4	Tetrachloroethene	0.14	1.0		U
108-88-3	Toluene	0.18	1.0	0.39	I
87-61-6	1,2,3-Trichlorobenzene	0.16	1.0		U
120-82-1	1,2,4-Trichlorobenzene	0.14	1.0		U
71-55-6	1,1,1-Trichloroethane	0.15	1.0		U
79-00-5	1,1,2-Trichloroethane	0.17	1.0		U
79-01-6	Trichloroethene	0.28	1.0		U
76-13-1	Trichlorotrifluoroethane	0.22	1.0		U
75-69-4	Trichlorofluoromethane	0.15	2.0		U
96-18-4	1,2,3-Trichloropropane	0.31	1.0		U
108-05-4	Vinyl acetate	1.3	5.0		U
75-01-4	Vinyl chloride	0.19	1.0		U
108-38-3	m,p-Xylene	0.26	1.0	5.6	
95-47-6	o-Xylene	0.21	1.0	2.3	
1330-20-7	Xylene(total)	0.21	1.0	7.6	

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-DPW13-S4

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.V09061

Matrix: (soil/water) SOIL Lab Sample ID: 0609061-19

Sample wt/vol: 5.8 (g/mL) G Lab File ID: 0906119A

Level: (low/med) LOW Date Sampled: 09/11/06 15:40

% Moisture: not dec. 10 Date Analyzed: 09/16/06 22:10

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG MDL	RL	CONC	Q
67-64-1	Acetone	1.9	48		U
75-05-8	Acetonitrile	0.48	19		U
107-02-8	Acrolein	5.0	24		U
107-13-1	Acrylonitrile	1.3	24		U
107-05-1	Allyl chloride	0.48	4.8		U
71-43-2	Benzene	0.45	4.8		U
75-27-4	Bromodichloromethane	0.29	4.8		U
75-25-2	Bromoform	0.96	4.8		U
74-83-9	Bromomethane	0.69	9.6		U
78-93-3	2-Butanone	1.3	48		U
75-15-0	Carbon disulfide	1.2	4.8		U
56-23-5	Carbon tetrachloride	0.85	4.8		U
108-90-7	Chlorobenzene	2.4	4.8		U
75-00-3	Chloroethane	1.1	9.6		U
67-66-3	Chloroform	0.53	4.8		U
74-87-3	Chloromethane	0.50	9.6		U
126-99-8	Chloroprene	0.48	4.8		U
110-82-7	Cyclohexane	0.52	9.6		U
124-48-1	Dibromochloromethane	0.33	4.8		U
96-12-8	1,2-Dibromo-3-chloropropane	1.2	9.6		U
106-93-4	1,2-Dibromoethane	0.41	4.8		U
74-95-3	Dibromomethane	0.40	4.8		U
95-50-1	1,2-Dichlorobenzene	0.36	4.8		U
541-73-1	1,3-Dichlorobenzene	0.81	4.8		U
106-46-7	1,4-Dichlorobenzene	0.53	4.8		U
110-57-6	trans-1,4-Dichloro-2-butene	7.7	24		U
75-71-8	Dichlorodifluoromethane	1.1	9.6		U
75-34-3	1,1-Dichloroethane	0.52	4.8		U
107-06-2	1,2-Dichloroethane	0.44	4.8		U
75-35-4	1,1-Dichloroethene	1.2	4.8		U
156-59-2	cis-1,2-Dichloroethene	1.2	4.8		U
156-60-5	trans-1,2-Dichloroethene	1.1	4.8		U
78-87-5	1,2-Dichloropropane	0.44	4.8		U
10061-01-5	cis-1,3-Dichloropropene	0.48	4.8		U
10061-02-6	trans-1,3-Dichloropropene	0.31	4.8		U
123-91-1	1,4-Dioxane	0.48	38		U
100-41-4	Ethylbenzene	0.72	4.8		U
97-63-2	Ethyl methacrylate	0.25	4.8		U
591-78-6	2-Hexanone	2.2	24		U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-DPW13-S4

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.V09061

Matrix: (soil/water) SOIL Lab Sample ID: 0609061-19

Sample wt/vol: 5.8 (g/mL) G Lab File ID: 0906119A

Level: (low/med) LOW Date Sampled: 09/11/06 15:40

% Moisture: not dec. 10 Date Analyzed: 09/16/06 22:10

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	MDL	RL	CONC	Q
74-88-4	Iodomethane	0.80	24		U
78-83-1	Isobutyl alcohol	0.48	38		U
98-82-8	Isopropylbenzene	0.85	4.8		U
79-20-9	Methyl acetate	1.5	4.8		U
126-98-7	Methacrylonitrile	0.48	19		U
108-87-2	Methyl cyclohexane	0.29	4.8		U
75-09-2	Methylene chloride	0.60	9.6		U
80-62-6	Methyl methacrylate	0.43	4.8		U
1634-04-4	MTBE	0.31	4.8		U
108-10-1	4-Methyl-2-pentanone	0.56	24		U
107-12-0	Propionitrile	0.48	19		U
100-42-5	Styrene	0.34	4.8		U
630-20-6	1,1,1,2-Tetrachloroethane	0.31	4.8		U
79-34-5	1,1,2,2-Tetrachloroethane	0.41	4.8		U
127-18-4	Tetrachloroethene	0.93	4.8		U
108-88-3	Toluene	0.83	4.8		U
87-61-6	1,2,3-Trichlorobenzene	0.40	4.8		U
120-82-1	1,2,4-Trichlorobenzene	0.17	4.8		U
71-55-6	1,1,1-Trichloroethane	0.87	4.8		U
79-00-5	1,1,2-Trichloroethane	0.34	4.8		U
79-01-6	Trichloroethene	0.82	4.8		U
76-13-1	Trichlorotrifluoroethane	0.53	4.8		U
75-69-4	Trichlorofluoromethane	0.92	9.6		U
96-18-4	1,2,3-Trichloropropane	0.67	4.8		U
108-05-4	Vinyl acetate	0.53	24		U
75-01-4	Vinyl chloride	1.1	6.7		U
108-38-3	m,p-Xylene	1.4	4.8		U
95-47-6	o-Xylene	0.67	4.8		U
1330-20-7	Xylene(total)	0.67	4.8		U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-DPW14-S6

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.V09061

Matrix: (soil/water) SOIL Lab Sample ID: 0609061-20

Sample wt/vol: 5.4 (g/mL) G Lab File ID: 0906120A

Level: (low/med) LOW Date Sampled: 09/11/06 16:15

% Moisture: not dec. 8 Date Analyzed: 09/16/06 22:47

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	MDL	RL	CONC	Q
67-64-1	Acetone	2.0	50		U
75-05-8	Acetonitrile	0.50	20		U
107-02-8	Acrolein	5.2	25		U
107-13-1	Acrylonitrile	1.4	25		U
107-05-1	Allyl chloride	0.50	5.0		U
71-43-2	Benzene	0.47	5.0		U
75-27-4	Bromodichloromethane	0.30	5.0		U
75-25-2	Bromoform	1.0	5.0		U
74-83-9	Bromomethane	0.72	10		U
78-93-3	2-Butanone	1.4	50		U
75-15-0	Carbon disulfide	1.3	5.0		U
56-23-5	Carbon tetrachloride	0.88	5.0		U
108-90-7	Chlorobenzene	2.5	5.0		U
75-00-3	Chloroethane	1.1	10		U
67-66-3	Chloroform	0.55	5.0		U
74-87-3	Chloromethane	0.52	10		U
126-99-8	Chloroprene	0.50	5.0		U
110-82-7	Cyclohexane	0.54	10		U
124-48-1	Dibromochloromethane	0.34	5.0		U
96-12-8	1,2-Dibromo-3-chloropropane	1.2	10		U
106-93-4	1,2-Dibromoethane	0.43	5.0		U
74-95-3	Dibromomethane	0.41	5.0		U
95-50-1	1,2-Dichlorobenzene	0.37	5.0		U
541-73-1	1,3-Dichlorobenzene	0.84	5.0		U
106-46-7	1,4-Dichlorobenzene	0.55	5.0		U
110-57-6	trans-1,4-Dichloro-2-butene	8.0	25		U
75-71-8	Dichlorodifluoromethane	1.1	10		U
75-34-3	1,1-Dichloroethane	0.54	5.0		U
107-06-2	1,2-Dichloroethane	0.46	5.0		U
75-35-4	1,1-Dichloroethene	1.2	5.0		U
156-59-2	cis-1,2-Dichloroethene	1.2	5.0		U
156-60-5	trans-1,2-Dichloroethene	1.1	5.0		U
78-87-5	1,2-Dichloropropane	0.46	5.0		U
10061-01-5	cis-1,3-Dichloropropene	0.50	5.0		U
10061-02-6	trans-1,3-Dichloropropene	0.32	5.0		U
123-91-1	1,4-Dioxane	0.50	40		U
100-41-4	Ethylbenzene	0.75	5.0		U
97-63-2	Ethyl methacrylate	0.26	5.0		U
591-78-6	2-Hexanone	2.3	25		U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-DPW14-S6

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.V09061

Matrix: (soil/water) SOIL Lab Sample ID: 0609061-20

Sample wt/vol: 5.4 (g/mL) G Lab File ID: 0906120A

Level: (low/med) LOW Date Sampled: 09/11/06 16:15

% Moisture: not dec. 8 Date Analyzed: 09/16/06 22:47

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) MDL	RL	CONC	UG/KG Q
74-88-4	Iodomethane	0.83	25		U
78-83-1	Isobutyl alcohol	0.50	40		U
98-82-8	Isopropylbenzene	0.88	5.0		U
79-20-9	Methyl acetate	1.6	5.0		U
126-98-7	Methacrylonitrile	0.50	20		U
108-87-2	Methyl cyclohexane	0.30	5.0		U
75-09-2	Methylene chloride	0.62	10		U
80-62-6	Methyl methacrylate	0.45	5.0		U
1634-04-4	MTBE	0.32	5.0		U
108-10-1	4-Methyl-2-pentanone	0.58	25		U
107-12-0	Propionitrile	0.50	20		U
100-42-5	Styrene	0.35	5.0		U
630-20-6	1,1,1,2-Tetrachloroethane	0.32	5.0		U
79-34-5	1,1,2,2-Tetrachloroethane	0.43	5.0		U
127-18-4	Tetrachloroethene	0.97	5.0		U
108-88-3	Toluene	0.86	5.0		U
87-61-6	1,2,3-Trichlorobenzene	0.42	5.0		U
120-82-1	1,2,4-Trichlorobenzene	0.18	5.0		U
71-55-6	1,1,1-Trichloroethane	0.90	5.0		U
79-00-5	1,1,2-Trichloroethane	0.35	5.0		U
79-01-6	Trichloroethene	0.85	5.0		U
76-13-1	Trichlorotrifluoroethane	0.55	5.0		U
75-69-4	Trichlorofluoromethane	0.95	10		U
96-18-4	1,2,3-Trichloropropane	0.70	5.0		U
108-05-4	Vinyl acetate	0.55	25		U
75-01-4	Vinyl chloride	1.1	7.0		U
108-38-3	m,p-Xylene	1.5	5.0		U
95-47-6	o-Xylene	0.70	5.0		U
1330-20-7	Xylene(total)	0.70	5.0		U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-DPW15-S4

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.V09061

Matrix: (soil/water) SOIL Lab Sample ID: 0609061-21

Sample wt/vol: 5.8 (g/mL) G Lab File ID: 0906121M

Level: (low/med) MED Date Sampled: 09/11/06 16:40

% Moisture: not dec. 12 Date Analyzed: 09/17/06 00:37

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 5000(uL) Soil Aliquot Volume: 100(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG MDL	RL	CONC	Q
67-64-1	Acetone	98	2400		U
75-05-8	Acetonitrile	24	980		U
107-02-8	Acrolein	250	1200		U
107-13-1	Acrylonitrile	68	1200		U
107-05-1	Allyl chloride	24	240		U
71-43-2	Benzene	23	240		U
75-27-4	Bromodichloromethane	15	240		U
75-25-2	Bromoform	49	240		U
74-83-9	Bromomethane	35	490		U
78-93-3	2-Butanone	68	2400		U
75-15-0	Carbon disulfide	63	240		U
56-23-5	Carbon tetrachloride	43	240		U
108-90-7	Chlorobenzene	120	240		U
75-00-3	Chloroethane	54	490		U
67-66-3	Chloroform	27	240		U
74-87-3	Chloromethane	25	490		U
126-99-8	Chloroprene	24	240		U
110-82-7	Cyclohexane	26	490		U
124-48-1	Dibromochloromethane	17	240		U
96-12-8	1,2-Dibromo-3-chloropropane	59	490		U
106-93-4	1,2-Dibromoethane	21	240		U
74-95-3	Dibromomethane	20	240		U
95-50-1	1,2-Dichlorobenzene	18	240		U
541-73-1	1,3-Dichlorobenzene	41	240		U
106-46-7	1,4-Dichlorobenzene	27	240		U
110-57-6	trans-1,4-Dichloro-2-butene	390	1200		U
75-71-8	Dichlorodifluoromethane	54	490		U
75-34-3	1,1-Dichloroethane	26	240		U
107-06-2	1,2-Dichloroethane	22	240		U
75-35-4	1,1-Dichloroethene	59	240		U
156-59-2	cis-1,2-Dichloroethene	59	240		U
156-60-5	trans-1,2-Dichloroethene	54	240		U
78-87-5	1,2-Dichloropropane	22	240		U
10061-01-5	cis-1,3-Dichloropropene	24	240		U
10061-02-6	trans-1,3-Dichloropropene	16	240		U
123-91-1	1,4-Dioxane	24	2000		U
100-41-4	Ethylbenzene	37	240		U
97-63-2	Ethyl methacrylate	13	240		U
591-78-6	2-Hexanone	110	1200		U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-DPW15-S4

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.V09061

Matrix: (soil/water) SOIL Lab Sample ID: 0609061-21

Sample wt/vol: 5.8 (g/mL) G Lab File ID: 0906121M

Level: (low/med) MED Date Sampled: 09/11/06 16:40

% Moisture: not dec. 12 Date Analyzed: 09/17/06 00:37

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 5000(uL) Soil Aliquot Volume: 100(uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	MDL	RL	CONC	Q
74-88-4	Iodomethane	40	1200		U
78-83-1	Isobutyl alcohol	24	2000		U
98-82-8	Isopropylbenzene	43	240		U
79-20-9	Methyl acetate	78	240		U
126-98-7	Methacrylonitrile	24	980		U
108-87-2	Methyl cyclohexane	15	240		U
75-09-2	Methylene chloride	30	490		U
80-62-6	Methyl methacrylate	22	240		U
1634-04-4	MTBE	16	240		U
108-10-1	4-Methyl-2-pentanone	28	1200		U
107-12-0	Propionitrile	24	980		U
100-42-5	Styrene	17	240		U
630-20-6	1,1,1,2-Tetrachloroethane	16	240		U
79-34-5	1,1,2,2-Tetrachloroethane	21	240		U
127-18-4	Tetrachloroethene	47	240		U
108-88-3	Toluene	42	240		U
87-61-6	1,2,3-Trichlorobenzene	20	240		U
120-82-1	1,2,4-Trichlorobenzene	8.8	240		U
71-55-6	1,1,1-Trichloroethane	44	240		U
79-00-5	1,1,2-Trichloroethane	17	240		U
79-01-6	Trichloroethene	42	240		U
76-13-1	Trichlorotrifluoroethane	27	240		U
75-69-4	Trichlorofluoromethane	46	490		U
96-18-4	1,2,3-Trichloropropane	34	240		U
108-05-4	Vinyl acetate	27	1200		U
75-01-4	Vinyl chloride	54	340		U
108-38-3	m,p-Xylene	73	240		U
95-47-6	o-Xylene	34	240		U
1330-20-7	Xylene(total)	34	240		U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-DPW16-S4

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.V09061

Matrix: (soil/water) SOIL Lab Sample ID: 0609061-22

Sample wt/vol: 5.4 (g/mL) G Lab File ID: 0906122M

Level: (low/med) MED Date Sampled: 09/11/06 16:55

% Moisture: not dec. 9 Date Analyzed: 09/18/06 13:20

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 5000(uL) Soil Aliquot Volume: 100(uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	MDL	RL	CONC	Q
67-64-1	Acetone	100	2500		U
75-05-8	Acetonitrile	25	1000		U
107-02-8	Acrolein	260	1200		U
107-13-1	Acrylonitrile	70	1200		U
107-05-1	Allyl chloride	25	250		U
71-43-2	Benzene	24	250		U
75-27-4	Bromodichloromethane	15	250		U
75-25-2	Bromoform	50	250		U
74-83-9	Bromomethane	36	500		U
78-93-3	2-Butanone	70	2500		U
75-15-0	Carbon disulfide	65	250		U
56-23-5	Carbon tetrachloride	44	250		U
108-90-7	Chlorobenzene	120	250		U
75-00-3	Chloroethane	55	500		U
67-66-3	Chloroform	28	250		U
74-87-3	Chloromethane	26	500		U
126-99-8	Chloroprene	25	250		U
110-82-7	Cyclohexane	27	500		U
124-48-1	Dibromochloromethane	17	250		U
96-12-8	1,2-Dibromo-3-chloropropane	60	500		U
106-93-4	1,2-Dibromoethane	22	250		U
74-95-3	Dibromomethane	21	250		U
95-50-1	1,2-Dichlorobenzene	19	250		U
541-73-1	1,3-Dichlorobenzene	42	250		U
106-46-7	1,4-Dichlorobenzene	28	250		U
110-57-6	trans-1,4-Dichloro-2-butene	400	1200		U
75-71-8	Dichlorodifluoromethane	55	500		U
75-34-3	1,1-Dichloroethane	27	250		U
107-06-2	1,2-Dichloroethane	23	250		U
75-35-4	1,1-Dichloroethene	60	250		U
156-59-2	cis-1,2-Dichloroethene	60	250		U
156-60-5	trans-1,2-Dichloroethene	55	250		U
78-87-5	1,2-Dichloropropane	23	250		U
10061-01-5	cis-1,3-Dichloropropene	25	250		U
10061-02-6	trans-1,3-Dichloropropene	16	250		U
123-91-1	1,4-Dioxane	25	2000		U
100-41-4	Ethylbenzene	38	250		U
97-63-2	Ethyl methacrylate	13	250		U
591-78-6	2-Hexanone	120	1200		U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-DPW16-S4

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.V09061

Matrix: (soil/water) SOIL Lab Sample ID: 0609061-22

Sample wt/vol: 5.4 (g/mL) G Lab File ID: 0906122M

Level: (low/med) MED Date Sampled: 09/11/06 16:55

% Moisture: not dec. 9 Date Analyzed: 09/18/06 13:20

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 5000(uL) Soil Aliquot Volume: 100(uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	MDL	RL	CONC	Q
74-88-4	Iodomethane	42	1200		U
78-83-1	Isobutyl alcohol	25	2000		U
98-82-8	Isopropylbenzene	44	250		U
79-20-9	Methyl acetate	80	250		U
126-98-7	Methacrylonitrile	25	1000		U
108-87-2	Methyl cyclohexane	15	250		U
75-09-2	Methylene chloride	31	500	270	I
80-62-6	Methyl methacrylate	23	250		U
1634-04-4	MTBE	16	250		U
108-10-1	4-Methyl-2-pentanone	29	1200		U
107-12-0	Propionitrile	25	1000		U
100-42-5	Styrene	18	250		U
630-20-6	1,1,1,2-Tetrachloroethane	16	250		U
79-34-5	1,1,2,2-Tetrachloroethane	22	250		U
127-18-4	Tetrachloroethene	49	250		U
108-88-3	Toluene	43	250		U
87-61-6	1,2,3-Trichlorobenzene	21	250		U
120-82-1	1,2,4-Trichlorobenzene	9.0	250		U
71-55-6	1,1,1-Trichloroethane	45	250		U
79-00-5	1,1,2-Trichloroethane	18	250		U
79-01-6	Trichloroethene	43	250		U
76-13-1	Trichlorotrifluoroethane	28	250		U
75-69-4	Trichlorofluoromethane	48	500		U
96-18-4	1,2,3-Trichloropropane	35	250		U
108-05-4	Vinyl acetate	28	1200		U
75-01-4	Vinyl chloride	55	350		U
108-38-3	m,p-Xylene	75	250		U
95-47-6	o-Xylene	35	250		U
1330-20-7	Xylene(total)	35	250		U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-DPW17-S12

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.V09061

Matrix: (soil/water) SOIL Lab Sample ID: 0609061-23

Sample wt/vol: 5.4 (g/mL) G Lab File ID: 0906123A

Level: (low/med) LOW Date Sampled: 09/11/06 17:10

% Moisture: not dec. 6 Date Analyzed: 09/17/06 00:01

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG MDL	RL	CONC	Q
67-64-1	Acetone	2.0	49		U
75-05-8	Acetonitrile	0.49	20		U
107-02-8	Acrolein	5.1	25		U
107-13-1	Acrylonitrile	1.4	25		U
107-05-1	Allyl chloride	0.49	4.9		U
71-43-2	Benzene	0.46	4.9		U
75-27-4	Bromodichloromethane	0.30	4.9		U
75-25-2	Bromoform	0.99	4.9		U
74-83-9	Bromomethane	0.71	9.9		U
78-93-3	2-Butanone	1.4	49		U
75-15-0	Carbon disulfide	1.3	4.9		U
56-23-5	Carbon tetrachloride	0.87	4.9		U
108-90-7	Chlorobenzene	2.5	4.9		U
75-00-3	Chloroethane	1.1	9.9		U
67-66-3	Chloroform	0.54	4.9		U
74-87-3	Chloromethane	0.51	9.9		U
126-99-8	Chloroprene	0.49	4.9		U
110-82-7	Cyclohexane	0.53	9.9		U
124-48-1	Dibromochloromethane	0.34	4.9		U
96-12-8	1,2-Dibromo-3-chloropropane	1.2	9.9		U
106-93-4	1,2-Dibromoethane	0.42	4.9		U
74-95-3	Dibromomethane	0.40	4.9		U
95-50-1	1,2-Dichlorobenzene	0.37	4.9		U
541-73-1	1,3-Dichlorobenzene	0.83	4.9		U
106-46-7	1,4-Dichlorobenzene	0.54	4.9		U
110-57-6	trans-1,4-Dichloro-2-butene	7.9	25		U
75-71-8	Dichlorodifluoromethane	1.1	9.9		U
75-34-3	1,1-Dichloroethane	0.53	4.9		U
107-06-2	1,2-Dichloroethane	0.46	4.9		U
75-35-4	1,1-Dichloroethene	1.2	4.9		U
156-59-2	cis-1,2-Dichloroethene	1.2	4.9		U
156-60-5	trans-1,2-Dichloroethene	1.1	4.9		U
78-87-5	1,2-Dichloropropane	0.46	4.9		U
10061-01-5	cis-1,3-Dichloropropene	0.49	4.9		U
10061-02-6	trans-1,3-Dichloropropene	0.32	4.9		U
123-91-1	1,4-Dioxane	0.49	40		U
100-41-4	Ethylbenzene	0.74	4.9		U
97-63-2	Ethyl methacrylate	0.26	4.9		U
591-78-6	2-Hexanone	2.3	25		U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-DPW17-S12

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.V09061

Matrix: (soil/water) SOIL Lab Sample ID: 0609061-23

Sample wt/vol: 5.4 (g/mL) G Lab File ID: 0906123A

Level: (low/med) LOW Date Sampled: 09/11/06 17:10

% Moisture: not dec. 6 Date Analyzed: 09/17/06 00:01

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) MDL	RL	CONC	UG/KG Q
74-88-4	Iodomethane	0.82	25		U
78-83-1	Isobutyl alcohol	0.49	40		U
98-82-8	Isopropylbenzene	0.87	4.9		U
79-20-9	Methyl acetate	1.6	4.9		U
126-98-7	Methacrylonitrile	0.49	20		U
108-87-2	Methyl cyclohexane	0.30	4.9		U
75-09-2	Methylene chloride	0.61	9.9		U
80-62-6	Methyl methacrylate	0.44	4.9		U
1634-04-4	MTBE	0.32	4.9		U
108-10-1	4-Methyl-2-pentanone	0.57	25		U
107-12-0	Propionitrile	0.49	20		U
100-42-5	Styrene	0.35	4.9		U
630-20-6	1,1,1,2-Tetrachloroethane	0.32	4.9		U
79-34-5	1,1,2,2-Tetrachloroethane	0.42	4.9		U
127-18-4	Tetrachloroethene	0.96	4.9		U
108-88-3	Toluene	0.85	4.9		U
87-61-6	1,2,3-Trichlorobenzene	0.42	4.9		U
120-82-1	1,2,4-Trichlorobenzene	0.18	4.9		U
71-55-6	1,1,1-Trichloroethane	0.89	4.9		U
79-00-5	1,1,2-Trichloroethane	0.35	4.9		U
79-01-6	Trichloroethene	0.84	4.9		U
76-13-1	Trichlorotrifluoroethane	0.54	4.9		U
75-69-4	Trichlorofluoromethane	0.94	9.9		U
96-18-4	1,2,3-Trichloropropane	0.69	4.9		U
108-05-4	Vinyl acetate	0.54	25		U
75-01-4	Vinyl chloride	1.1	6.9		U
108-38-3	m,p-Xylene	1.5	4.9		U
95-47-6	o-Xylene	0.69	4.9		U
1330-20-7	Xylene(total)	0.69	4.9		U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-RB01

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.V09061

Matrix: (soil/water) WATER Lab Sample ID: 0609061-24

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 0906124

Level: (low/med) LOW Date Sampled: 09/10/06 13:50

% Moisture: not dec. _____ Date Analyzed: 09/22/06 17:41

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
67-64-1	Acetone	1.1	10	2.5	I
75-05-8	Acetonitrile	0.20	5.0		U
107-02-8	Acrolein	4.1	5.0		U
107-13-1	Acrylonitrile	0.95	5.0		U
107-05-1	Allyl chloride	0.20	1.0		U
71-43-2	Benzene	0.11	1.0		U
75-27-4	Bromodichloromethane	0.24	1.0		U
75-25-2	Bromoform	0.24	1.0		U
74-83-9	Bromomethane	0.33	2.0		U
78-93-3	2-Butanone	1.2	10		U
75-15-0	Carbon disulfide	0.13	1.0		U
56-23-5	Carbon tetrachloride	0.14	1.0		U
108-90-7	Chlorobenzene	0.28	1.0		U
75-00-3	Chloroethane	0.38	2.0		U
67-66-3	Chloroform	0.15	1.0		U
74-87-3	Chloromethane	0.18	2.0		U
126-99-8	Chloroprene	0.20	1.0		U
110-82-7	Cyclohexane	0.18	2.0		U
124-48-1	Dibromochloromethane	0.20	1.0		U
96-12-8	1,2-Dibromo-3-chloropropane	0.28	2.0		U
106-93-4	1,2-Dibromoethane	0.14	1.0		U
74-95-3	Dibromomethane	0.14	1.0		U
95-50-1	1,2-Dichlorobenzene	0.17	1.0		U
541-73-1	1,3-Dichlorobenzene	0.21	1.0		U
106-46-7	1,4-Dichlorobenzene	0.12	1.0		U
110-57-6	trans-1,4-Dichloro-2-butene	0.60	5.0		U
75-71-8	Dichlorodifluoromethane	0.24	2.0		U
75-34-3	1,1-Dichloroethane	0.15	1.0		U
107-06-2	1,2-Dichloroethane	0.15	1.0		U
75-35-4	1,1-Dichloroethene	0.42	1.0		U
156-59-2	cis-1,2-Dichloroethene	0.44	1.0		U
156-60-5	trans-1,2-Dichloroethene	0.40	1.0		U
78-87-5	1,2-Dichloropropane	0.18	1.0		U
10061-01-5	cis-1,3-Dichloropropene	0.13	1.0		U
10061-02-6	trans-1,3-Dichloropropene	0.22	1.0		U
123-91-1	1,4-Dioxane	0.20	20		U
100-41-4	Ethylbenzene	0.14	1.0		U
97-63-2	Ethyl methacrylate	0.21	1.0		U
591-78-6	2-Hexanone	0.83	5.0		U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-RB01

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.V09061

Matrix: (soil/water) WATER Lab Sample ID: 0609061-24

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 0906124

Level: (low/med) LOW Date Sampled: 09/10/06 13:50

% Moisture: not dec. _____ Date Analyzed: 09/22/06 17:41

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
74-88-4	Iodomethane	0.19	5.0		U
78-83-1	Isobutyl alcohol	0.20	10		U
98-82-8	Isopropylbenzene	0.25	1.0		U
79-20-9	Methyl acetate	0.87	1.0		U
126-98-7	Methacrylonitrile	0.20	5.0		U
108-87-2	Methyl cyclohexane	0.20	1.0		U
75-09-2	Methylene chloride	0.26	2.0		U
80-62-6	Methyl methacrylate	0.35	1.0		U
1634-04-4	MTBE	0.17	1.0		U
108-10-1	4-Methyl-2-pentanone	1.4	5.0		U
107-12-0	Propionitrile	0.20	5.0		U
100-42-5	Styrene	0.22	1.0		U
630-20-6	1,1,1,2-Tetrachloroethane	0.19	1.0		U
79-34-5	1,1,2,2-Tetrachloroethane	0.22	1.0		U
127-18-4	Tetrachloroethene	0.14	1.0		U
108-88-3	Toluene	0.18	1.0	0.19	I
87-61-6	1,2,3-Trichlorobenzene	0.16	1.0		U
120-82-1	1,2,4-Trichlorobenzene	0.14	1.0		U
71-55-6	1,1,1-Trichloroethane	0.15	1.0		U
79-00-5	1,1,2-Trichloroethane	0.17	1.0		U
79-01-6	Trichloroethene	0.28	1.0		U
76-13-1	Trichlorotrifluoroethane	0.22	1.0		U
75-69-4	Trichlorofluoromethane	0.15	2.0		U
96-18-4	1,2,3-Trichloropropane	0.31	1.0		U
108-05-4	Vinyl acetate	1.3	5.0		U
75-01-4	Vinyl chloride	0.19	1.0		U
108-38-3	m,p-Xylene	0.26	1.0		U
95-47-6	o-Xylene	0.21	1.0		U
1330-20-7	Xylene(total)	0.21	1.0		U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-DPB1-S10

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.B09069

Matrix: (soil/water) SOIL Lab Sample ID: 0609069-01

Sample wt/vol: 15.5 (g/mL) G Lab File ID: 0906901

% Moisture: 5 decanted: (Y/N) N Date Sampled: 09/12/06 13:28

Extraction: (SepF/Cont/Sonc/Soxh) SOXH Date Extracted:09/16/06

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 09/19/06 14:47

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	MDL	RL	CONC	Q
83-32-9	Acenaphthene	40	340		U
208-96-8	Acenaphthylene	40	340		U
98-86-2	Acetophenone	100	340		U
53-96-3	2-Acetylaminofluorene	100	340		U
92-67-1	4-Aminobiphenyl	100	340		U
62-53-3	Aniline	100	340		U
140-57-8	Aramite	100	340		U
120-12-7	Anthracene	40	340		U
1912-24-9	Atrazine	100	340		U
100-52-7	Benzaldehyde	100	340		U
56-55-3	Benzo(a)anthracene	40	340		U
205-99-2	Benzo(b)fluoranthene	40	340		U
207-08-9	Benzo(k)fluoranthene	40	340		U
191-24-2	Benzo(g,h,i)perylene	40	340		U
50-32-8	Benzo(a)pyrene	40	340		U
100-51-6	Benzyl alcohol	100	340		U
92-52-4	1,1'-Biphenyl	100	340		U
111-91-1	bis(2-Chloroethoxy)methane	100	340		U
111-44-4	bis(2-Chloroethyl)ether	100	340		U
108-60-1	bis(2-Chloroisopropyl)ether	100	340		U
117-81-7	Bis(2-ethylhexyl)phthalate	100	340		U
101-55-3	4-Bromophenyl-phenylether	100	340		U
85-68-7	Butylbenzylphthalate	100	340		U
105-60-2	Caprolactam	100	340		U
86-74-8	Carbazole	40	340		U
106-47-8	4-Chloroaniline	100	340		U
510-15-6	Chlorobenzilate	100	340		U
59-50-7	4-Chloro-3-methylphenol	100	340		U
91-58-7	2-Chloronaphthalene	100	340		U
95-57-8	2-Chlorophenol	100	340		U
7005-72-3	4-Chlorophenyl-phenylether	100	340		U
218-01-9	Chrysene	40	340		U
2303-16-4	Diallate	100	340		U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-DPB1-S10

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.B09069

Matrix: (soil/water) SOIL Lab Sample ID: 0609069-01

Sample wt/vol: 15.5 (g/mL) G Lab File ID: 0906901

% Moisture: 5 decanted: (Y/N) N Date Sampled: 09/12/06 13:28

Extraction: (SepF/Cont/Sonc/Soxh) SOXH Date Extracted: 09/16/06

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 09/19/06 14:47

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) MDL	RL	CONC	UG/KG Q
53-70-3	Dibenz(a,h)anthracene	40	340		U
132-64-9	Dibenzofuran	100	340		U
91-94-1	3,3'-Dichlorobenzidine	150	340		U
120-83-2	2,4-Dichlorophenol	100	340		U
87-65-0	2,6-Dichlorophenol	100	340		U
84-66-2	Diethylphthalate	100	340		U
60-51-5	Dimethoate	100	340		U
60-11-7	p-(Dimethylamino)azobenzene	100	340		U
57-97-6	7,12-Dimethylbenz[a]anthrace	100	340		U
119-93-7	3,3'-Dimethylbenzidine	100	340		U
122-09-8	a,a-Dimethyl-phenethylamine	100	340		U
105-67-9	2,4-Dimethylphenol	100	1400		U
131-11-3	Dimethylphthalate	100	340		U
84-74-2	Di-n-butylphthalate	100	340		U
99-65-0	m-Dinitrobenzene	100	340		U
534-52-1	4,6-Dinitro-2-methylphenol	100	1400		U
51-28-5	2,4-Dinitrophenol	100	3400		U
121-14-2	2,4-Dinitrotoluene	100	340		U
606-20-2	2,6-Dinitrotoluene	100	340		U
117-84-0	Di-n-octylphthalate	100	340		U
122-39-4	Diphenylamine	100	340		U
62-50-0	Ethyl methanesulfonate	100	340		U
206-44-0	Fluoranthene	40	340		U
86-73-7	Fluorene	40	340		U
118-74-1	Hexachlorobenzene	100	340		U
87-68-3	Hexachlorobutadiene	100	340		U
77-47-4	Hexachlorocyclopentadiene	100	340		U
67-72-1	Hexachloroethane	100	340		U
70-30-4	Hexachlorophene	100	680		U
1888-71-7	Hexachloropropene	100	340		U
193-39-5	Indeno(1,2,3-cd)pyrene	40	340		U
465-73-6	Isodrin	100	340		U
78-59-1	Isophorone	100	340		U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-DPB1-S10

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.B09069

Matrix: (soil/water) SOIL Lab Sample ID: 0609069-01

Sample wt/vol: 15.5 (g/mL) G Lab File ID: 0906901

% Moisture: 5 decanted: (Y/N) N Date Sampled: 09/12/06 13:28

Extraction: (SepF/Cont/Sonc/Soxh) SOXH Date Extracted:09/16/06

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 09/19/06 14:47

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG MDL	RL	CONC	Q
120-58-1	Isosafrole	100	340		U
143-50-0	Kepone	100	340		U
91-80-5	Methapyrilene	100	340		U
56-49-5	3-Methylcholanthrene	100	340		U
66-27-3	Methyl methanesulfonate	100	340		U
91-57-6	2-Methylnaphthalene	40	340		U
106-44-5	4-Methylphenol	100	340		U
108-39-4	3-Methylphenol	100	340		U
95-48-7	2-Methylphenol	100	340		U
91-20-3	Naphthalene	40	340		U
130-15-4	1,4-Naphthoquinone	100	340		U
134-32-7	1-Naphthylamine	100	340		U
91-59-8	2-Naphthylamine	100	340		U
88-74-4	2-Nitroaniline	100	1400		U
99-09-2	3-Nitroaniline	100	1400		U
100-01-6	4-Nitroaniline	100	1400		U
98-95-3	Nitrobenzene	100	340		U
88-75-5	2-Nitrophenol	100	340		U
100-02-7	4-Nitrophenol	100	1400		U
56-57-5	4-Nitroquinoline-1-oxide	100	340		U
924-16-3	N-Nitrosodi-n-butylamine	100	340		U
55-18-5	N-Nitrosodiethylamine	100	340		U
62-75-9	N-Nitroso-di-methylamine	100	340		U
86-30-6	N-Nitrosodiphenylamine (1)	100	340		U
621-64-7	N-Nitroso-di-n-propylamine	100	340		U
10595-95-6	N-Nitrosomethylethylamine	100	340		U
59-89-2	N-Nitrosomorpholine	100	340		U
100-75-4	N-Nitrosopiperidine	100	340		U
930-55-2	N-Nitrosopyrrolidine	100	340		U
99-55-8	5-Nitro-o-toluidine	100	340		U
608-93-5	Pentachlorobenzene	100	340		U
82-68-8	Pentachloronitrobenzene	100	340		U
76-01-7	Pentachloroethane	100	340		U

(1) - Cannot be separated from Diphenylamine

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-DPB1-S10

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.B09069

Matrix: (soil/water) SOIL Lab Sample ID: 0609069-01

Sample wt/vol: 15.5 (g/mL) G Lab File ID: 0906901

% Moisture: 5 decanted: (Y/N) N Date Sampled: 09/12/06 13:28

Extraction: (SepF/Cont/Sonc/Soxh) SOXH Date Extracted:09/16/06

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 09/19/06 14:47

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	MDL	RL	CONC	Q
87-86-5	Pentachlorophenol	100	1400		U
62-44-2	Phenacetin	100	340		U
85-01-8	Phenanthrene	40	340		U
108-95-2	Phenol	100	340		U
106-50-3	p-Phenylenediamine	100	340		U
109-06-8	2-Picoline	100	340		U
23950-58-5	Pronamide	100	340		U
129-00-0	Pyrene	40	340		U
110-86-1	Pyridine	100	1400		U
94-59-7	Safrole	100	340		U
95-94-3	1,2,4,5-Tetrachlorobenzene	100	340		U
58-90-2	2,3,4,6-Tetrachlorophenol	100	340		U
95-53-4	o-Toluidine	100	340		U
120-82-1	1,2,4-Trichlorobenzene	100	340		U
95-95-4	2,4,5-Trichlorophenol	100	340		U
88-06-2	2,4,6-Trichlorophenol	100	340		U
126-68-1	O,O,O-Triethylphosphorothioa	100	340		U
99-35-4	sym-Trinitrobenzene	100	340		U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-DPB2-S10

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.B09069

Matrix: (soil/water) SOIL Lab Sample ID: 0609069-02

Sample wt/vol: 15.8 (g/mL) G Lab File ID: 0906902

% Moisture: 2 decanted: (Y/N) N Date Sampled: 09/12/06 13:58

Extraction: (SepF/Cont/Sonc/Soxh) SOXH Date Extracted:09/16/06

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 09/19/06 15:22

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	MDL	RL	CONC	Q
83-32-9	Acenaphthene	39	320		U
208-96-8	Acenaphthylene	39	320		U
98-86-2	Acetophenone	96	320		U
53-96-3	2-Acetylaminofluorene	96	320		U
92-67-1	4-Aminobiphenyl	96	320		U
62-53-3	Aniline	96	320		U
140-57-8	Aramite	96	320		U
120-12-7	Anthracene	39	320		U
1912-24-9	Atrazine	96	320		U
100-52-7	Benzaldehyde	96	320		U
56-55-3	Benzo(a)anthracene	39	320		U
205-99-2	Benzo(b)fluoranthene	39	320		U
207-08-9	Benzo(k)fluoranthene	39	320		U
191-24-2	Benzo(g,h,i)perylene	39	320		U
50-32-8	Benzo(a)pyrene	39	320		U
100-51-6	Benzyl alcohol	96	320		U
92-52-4	1,1'-Biphenyl	96	320		U
111-91-1	bis(2-Chloroethoxy)methane	96	320		U
111-44-4	bis(2-Chloroethyl)ether	96	320		U
108-60-1	bis(2-Chloroisopropyl)ether	96	320		U
117-81-7	Bis(2-ethylhexyl)phthalate	96	320		U
101-55-3	4-Bromophenyl-phenylether	96	320		U
85-68-7	Butylbenzylphthalate	96	320		U
105-60-2	Caprolactam	96	320		U
86-74-8	Carbazole	39	320		U
106-47-8	4-Chloroaniline	96	320		U
510-15-6	Chlorobenzilate	96	320		U
59-50-7	4-Chloro-3-methylphenol	96	320		U
91-58-7	2-Chloronaphthalene	96	320		U
95-57-8	2-Chlorophenol	96	320		U
7005-72-3	4-Chlorophenyl-phenylether	96	320		U
218-01-9	Chrysene	39	320		U
2303-16-4	Diallate	96	320		U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-DPB2-S10

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.B09069

Matrix: (soil/water) SOIL Lab Sample ID: 0609069-02

Sample wt/vol: 15.8 (g/mL) G Lab File ID: 0906902

% Moisture: 2 decanted: (Y/N) N Date Sampled: 09/12/06 13:58

Extraction: (SepF/Cont/Sonc/Soxh) SOXH Date Extracted:09/16/06

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 09/19/06 15:22

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CAS NO.	COMPOUND	CONCENTRATION UNITS: MDL	(ug/L or ug/Kg) RL	CONC	UG/KG Q
53-70-3	Dibenz(a,h)anthracene	39	320		U
132-64-9	Dibenzofuran	96	320		U
91-94-1	3,3'-Dichlorobenzidine	140	320		U
120-83-2	2,4-Dichlorophenol	96	320		U
87-65-0	2,6-Dichlorophenol	96	320		U
84-66-2	Diethylphthalate	96	320		U
60-51-5	Dimethoate	96	320		U
60-11-7	p-(Dimethylamino)azobenzene	96	320		U
57-97-6	7,12-Dimethylbenz[a]anthrace	96	320		U
119-93-7	3,3'-Dimethylbenzidine	96	320		U
122-09-8	a,a-Dimethyl-phenethylamine	96	320		U
105-67-9	2,4-Dimethylphenol	96	1300		U
131-11-3	Dimethylphthalate	96	320		U
84-74-2	Di-n-butylphthalate	96	320		U
99-65-0	m-Dinitrobenzene	96	320		U
534-52-1	4,6-Dinitro-2-methylphenol	96	1300		U
51-28-5	2,4-Dinitrophenol	96	3200		U
121-14-2	2,4-Dinitrotoluene	96	320		U
606-20-2	2,6-Dinitrotoluene	96	320		U
117-84-0	Di-n-octylphthalate	96	320		U
122-39-4	Diphenylamine	96	320		U
62-50-0	Ethyl methanesulfonate	96	320		U
206-44-0	Fluoranthene	39	320		U
86-73-7	Fluorene	39	320		U
118-74-1	Hexachlorobenzene	96	320		U
87-68-3	Hexachlorobutadiene	96	320		U
77-47-4	Hexachlorocyclopentadiene	96	320		U
67-72-1	Hexachloroethane	96	320		U
70-30-4	Hexachlorophene	96	640		U
1888-71-7	Hexachloropropene	96	320		U
193-39-5	Indeno(1,2,3-cd)pyrene	39	320		U
465-73-6	Isodrin	96	320		U
78-59-1	Isophorone	96	320		U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-DPB2-S10

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.B09069

Matrix: (soil/water) SOIL Lab Sample ID: 0609069-02

Sample wt/vol: 15.8 (g/mL) G Lab File ID: 0906902

% Moisture: 2 decanted: (Y/N) N Date Sampled: 09/12/06 13:58

Extraction: (SepF/Cont/Sonc/Soxh) SOXH Date Extracted:09/16/06

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 09/19/06 15:22

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	MDL	RL	CONC	Q
120-58-1	Isosafrole	96	320		U
143-50-0	Kepone	96	320		U
91-80-5	Methapyrilene	96	320		U
56-49-5	3-Methylcholanthrene	96	320		U
66-27-3	Methyl methanesulfonate	96	320		U
91-57-6	2-Methylnaphthalene	39	320		U
106-44-5	4-Methylphenol	96	320		U
108-39-4	3-Methylphenol	96	320		U
95-48-7	2-Methylphenol	96	320		U
91-20-3	Naphthalene	39	320		U
130-15-4	1,4-Naphthoquinone	96	320		U
134-32-7	1-Naphthylamine	96	320		U
91-59-8	2-Naphthylamine	96	320		U
88-74-4	2-Nitroaniline	96	1300		U
99-09-2	3-Nitroaniline	96	1300		U
100-01-6	4-Nitroaniline	96	1300		U
98-95-3	Nitrobenzene	96	320		U
88-75-5	2-Nitrophenol	96	320		U
100-02-7	4-Nitrophenol	96	1300		U
56-57-5	4-Nitroquinoline-1-oxide	96	320		U
924-16-3	N-Nitrosodi-n-butylamine	96	320		U
55-18-5	N-Nitrosodiethylamine	96	320		U
62-75-9	N-Nitroso-di-methylamine	96	320		U
86-30-6	N-Nitrosodiphenylamine (1)	96	320		U
621-64-7	N-Nitroso-di-n-propylamine	96	320		U
10595-95-6	N-Nitrosomethylethylamine	96	320		U
59-89-2	N-Nitrosomorpholine	96	320		U
100-75-4	N-Nitrosopiperidine	96	320		U
930-55-2	N-Nitrosopyrrolidine	96	320		U
99-55-8	5-Nitro-o-toluidine	96	320		U
608-93-5	Pentachlorobenzene	96	320		U
82-68-8	Pentachloronitrobenzene	96	320		U
76-01-7	Pentachloroethane	96	320		U

(1) - Cannot be separated from Diphenylamine

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-DPB2-S10

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.B09069

Matrix: (soil/water) SOIL Lab Sample ID: 0609069-02

Sample wt/vol: 15.8 (g/mL) G Lab File ID: 0906902

% Moisture: 2 decanted: (Y/N) N Date Sampled: 09/12/06 13:58

Extraction: (SepF/Cont/Sonc/Soxh) SOXH Date Extracted:09/16/06

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 09/19/06 15:22

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	MDL	RL	CONC	Q
87-86-5	Pentachlorophenol	96	1300		U
62-44-2	Phenacetin	96	320		U
85-01-8	Phenanthrene	39	320		U
108-95-2	Phenol	96	320		U
106-50-3	p-Phenylenediamine	96	320		U
109-06-8	2-Picoline	96	320		U
23950-58-5	Pronamide	96	320		U
129-00-0	Pyrene	39	320		U
110-86-1	Pyridine	96	1300		U
94-59-7	Safrole	96	320		U
95-94-3	1,2,4,5-Tetrachlorobenzene	96	320		U
58-90-2	2,3,4,6-Tetrachlorophenol	96	320		U
95-53-4	o-Toluidine	96	320		U
120-82-1	1,2,4-Trichlorobenzene	96	320		U
95-95-4	2,4,5-Trichlorophenol	96	320		U
88-06-2	2,4,6-Trichlorophenol	96	320		U
126-68-1	O,O,O-Triethylphosphorothioa	96	320		U
99-35-4	sym-Trinitrobenzene	96	320		U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-DPB3-S10

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.B09069

Matrix: (soil/water) SOIL Lab Sample ID: 0609069-03

Sample wt/vol: 15.4 (g/mL) G Lab File ID: 0906903

% Moisture: 4 decanted: (Y/N) N Date Sampled: 09/12/06 14:25

Extraction: (SepF/Cont/Sonc/Soxh) SOXH Date Extracted:09/16/06

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 09/19/06 15:57

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) MDL	RL	CONC	UG/KG Q
83-32-9	Acenaphthene	41	340		U
208-96-8	Acenaphthylene	41	340		U
98-86-2	Acetophenone	100	340		U
53-96-3	2-Acetylaminofluorene	100	340		U
92-67-1	4-Aminobiphenyl	100	340		U
62-53-3	Aniline	100	340		U
140-57-8	Aramite	100	340		U
120-12-7	Anthracene	41	340		U
1912-24-9	Atrazine	100	340		U
100-52-7	Benzaldehyde	100	340		U
56-55-3	Benzo(a)anthracene	41	340		U
205-99-2	Benzo(b)fluoranthene	41	340		U
207-08-9	Benzo(k)fluoranthene	41	340		U
191-24-2	Benzo(g,h,i)perylene	41	340		U
50-32-8	Benzo(a)pyrene	41	340		U
100-51-6	Benzyl alcohol	100	340		U
92-52-4	1,1'-Biphenyl	100	340		U
111-91-1	bis(2-Chloroethoxy)methane	100	340		U
111-44-4	bis(2-Chloroethyl)ether	100	340		U
108-60-1	bis(2-Chloroisopropyl)ether	100	340		U
117-81-7	Bis(2-ethylhexyl)phthalate	100	340		U
101-55-3	4-Bromophenyl-phenylether	100	340		U
85-68-7	Butylbenzylphthalate	100	340		U
105-60-2	Caprolactam	100	340		U
86-74-8	Carbazole	41	340		U
106-47-8	4-Chloroaniline	100	340		U
510-15-6	Chlorobenzilate	100	340		U
59-50-7	4-Chloro-3-methylphenol	100	340		U
91-58-7	2-Chloronaphthalene	100	340		U
95-57-8	2-Chlorophenol	100	340		U
7005-72-3	4-Chlorophenyl-phenylether	100	340		U
218-01-9	Chrysene	41	340		U
2303-16-4	Diallate	100	340		U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-DPB3-S10

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.B09069

Matrix: (soil/water) SOIL Lab Sample ID: 0609069-03

Sample wt/vol: 15.4 (g/mL) G Lab File ID: 0906903

% Moisture: 4 decanted: (Y/N) N Date Sampled: 09/12/06 14:25

Extraction: (SepF/Cont/Sonc/Soxh) SOXH Date Extracted: 09/16/06

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 09/19/06 15:57

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	MDL	RL	CONC	Q
53-70-3	Dibenz(a,h)anthracene	41	340		U
132-64-9	Dibenzofuran	100	340		U
91-94-1	3,3'-Dichlorobenzidine	150	340		U
120-83-2	2,4-Dichlorophenol	100	340		U
87-65-0	2,6-Dichlorophenol	100	340		U
84-66-2	Diethylphthalate	100	340		U
60-51-5	Dimethoate	100	340		U
60-11-7	p-(Dimethylamino)azobenzene	100	340		U
57-97-6	7,12-Dimethylbenz[a]anthrace	100	340		U
119-93-7	3,3'-Dimethylbenzidine	100	340		U
122-09-8	a,a-Dimethyl-phenethylamine	100	340		U
105-67-9	2,4-Dimethylphenol	100	1400		U
131-11-3	Dimethylphthalate	100	340		U
84-74-2	Di-n-butylphthalate	100	340		U
99-65-0	m-Dinitrobenzene	100	340		U
534-52-1	4,6-Dinitro-2-methylphenol	100	1400		U
51-28-5	2,4-Dinitrophenol	100	3400		U
121-14-2	2,4-Dinitrotoluene	100	340		U
606-20-2	2,6-Dinitrotoluene	100	340		U
117-84-0	Di-n-octylphthalate	100	340		U
122-39-4	Diphenylamine	100	340		U
62-50-0	Ethyl methanesulfonate	100	340		U
206-44-0	Fluoranthene	41	340		U
86-73-7	Fluorene	41	340		U
118-74-1	Hexachlorobenzene	100	340		U
87-68-3	Hexachlorobutadiene	100	340		U
77-47-4	Hexachlorocyclopentadiene	100	340		U
67-72-1	Hexachloroethane	100	340		U
70-30-4	Hexachlorophene	100	680		U
1888-71-7	Hexachloropropene	100	340		U
193-39-5	Indeno(1,2,3-cd)pyrene	41	340		U
465-73-6	Isodrin	100	340		U
78-59-1	Isophorone	100	340		U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-DPB3-S10

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.B09069

Matrix: (soil/water) SOIL Lab Sample ID: 0609069-03

Sample wt/vol: 15.4 (g/mL) G Lab File ID: 0906903

% Moisture: 4 decanted: (Y/N) N Date Sampled: 09/12/06 14:25

Extraction: (SepF/Cont/Sonc/Soxh) SOXH Date Extracted:09/16/06

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 09/19/06 15:57

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) MDL	RL	CONC	UG/KG Q
120-58-1	Isosafrole	100	340		U
143-50-0	Kepone	100	340		U
91-80-5	Methapyrilene	100	340		U
56-49-5	3-Methylcholanthrene	100	340		U
66-27-3	Methyl methanesulfonate	100	340		U
91-57-6	2-Methylnaphthalene	41	340		U
106-44-5	4-Methylphenol	100	340		U
108-39-4	3-Methylphenol	100	340		U
95-48-7	2-Methylphenol	100	340		U
91-20-3	Naphthalene	41	340		U
130-15-4	1,4-Naphthoquinone	100	340		U
134-32-7	1-Naphthylamine	100	340		U
91-59-8	2-Naphthylamine	100	340		U
88-74-4	2-Nitroaniline	100	1400		U
99-09-2	3-Nitroaniline	100	1400		U
100-01-6	4-Nitroaniline	100	1400		U
98-95-3	Nitrobenzene	100	340		U
88-75-5	2-Nitrophenol	100	340		U
100-02-7	4-Nitrophenol	100	1400		U
56-57-5	4-Nitroquinoline-1-oxide	100	340		U
924-16-3	N-Nitrosodi-n-butylamine	100	340		U
55-18-5	N-Nitrosodiethylamine	100	340		U
62-75-9	N-Nitroso-di-methylamine	100	340		U
86-30-6	N-Nitrosodiphenylamine (1)	100	340		U
621-64-7	N-Nitroso-di-n-propylamine	100	340		U
10595-95-6	N-Nitrosomethylethylamine	100	340		U
59-89-2	N-Nitrosomorpholine	100	340		U
100-75-4	N-Nitrosopiperidine	100	340		U
930-55-2	N-Nitrosopyrrolidine	100	340		U
99-55-8	5-Nitro-o-toluidine	100	340		U
608-93-5	Pentachlorobenzene	100	340		U
82-68-8	Pentachloronitrobenzene	100	340		U
76-01-7	Pentachloroethane	100	340		U

(1) - Cannot be separated from Diphenylamine

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-DPB3-S10

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.B09069

Matrix: (soil/water) SOIL Lab Sample ID: 0609069-03

Sample wt/vol: 15.4 (g/mL) G Lab File ID: 0906903

% Moisture: 4 decanted: (Y/N) N Date Sampled: 09/12/06 14:25

Extraction: (SepF/Cont/Sonc/Soxh) SOXH Date Extracted:09/16/06

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 09/19/06 15:57

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	MDL	RL	CONC	Q
87-86-5	Pentachlorophenol	100	1400		U
62-44-2	Phenacetin	100	340		U
85-01-8	Phenanthrene	41	340		U
108-95-2	Phenol	100	340		U
106-50-3	p-Phenylenediamine	100	340		U
109-06-8	2-Picoline	100	340		U
23950-58-5	Pronamide	100	340		U
129-00-0	Pyrene	41	340		U
110-86-1	Pyridine	100	1400		U
94-59-7	Safrole	100	340		U
95-94-3	1,2,4,5-Tetrachlorobenzene	100	340		U
58-90-2	2,3,4,6-Tetrachlorophenol	100	340		U
95-53-4	o-Toluidine	100	340		U
120-82-1	1,2,4-Trichlorobenzene	100	340		U
95-95-4	2,4,5-Trichlorophenol	100	340		U
88-06-2	2,4,6-Trichlorophenol	100	340		U
126-68-1	O,O,O-Triethylphosphorothioa	100	340		U
99-35-4	sym-Trinitrobenzene	100	340		U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-DPB4-S10

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.B09069

Matrix: (soil/water) SOIL Lab Sample ID: 0609069-04

Sample wt/vol: 15.2 (g/mL) G Lab File ID: 0906904

% Moisture: 3 decanted: (Y/N) N Date Sampled: 09/12/06 15:00

Extraction: (SepF/Cont/Sonc/Soxh) SOXH Date Extracted:09/16/06

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 09/19/06 17:42

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	MDL	RL	CONC	Q
83-32-9	Acenaphthene	41	340		U
208-96-8	Acenaphthylene	41	340		U
98-86-2	Acetophenone	100	340		U
53-96-3	2-Acetylaminofluorene	100	340		U
92-67-1	4-Aminobiphenyl	100	340		U
62-53-3	Aniline	100	340		U
140-57-8	Aramite	100	340		U
120-12-7	Anthracene	41	340		U
1912-24-9	Atrazine	100	340		U
100-52-7	Benzaldehyde	100	340		U
56-55-3	Benzo(a)anthracene	41	340		U
205-99-2	Benzo(b)fluoranthene	41	340		U
207-08-9	Benzo(k)fluoranthene	41	340		U
191-24-2	Benzo(g,h,i)perylene	41	340		U
50-32-8	Benzo(a)pyrene	41	340		U
100-51-6	Benzyl alcohol	100	340		U
92-52-4	1,1'-Biphenyl	100	340		U
111-91-1	bis(2-Chloroethoxy)methane	100	340		U
111-44-4	bis(2-Chloroethyl)ether	100	340		U
108-60-1	bis(2-Chloroisopropyl)ether	100	340		U
117-81-7	Bis(2-ethylhexyl)phthalate	100	340		U
101-55-3	4-Bromophenyl-phenylether	100	340		U
85-68-7	Butylbenzylphthalate	100	340		U
105-60-2	Caprolactam	100	340		U
86-74-8	Carbazole	41	340		U
106-47-8	4-Chloroaniline	100	340		U
510-15-6	Chlorobenzilate	100	340		U
59-50-7	4-Chloro-3-methylphenol	100	340		U
91-58-7	2-Chloronaphthalene	100	340		U
95-57-8	2-Chlorophenol	100	340		U
7005-72-3	4-Chlorophenyl-phenylether	100	340		U
218-01-9	Chrysene	41	340		U
2303-16-4	Diallate	100	340		U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-DPB4-S10

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.B09069

Matrix: (soil/water) SOIL Lab Sample ID: 0609069-04

Sample wt/vol: 15.2 (g/mL) G Lab File ID: 0906904

% Moisture: 3 decanted: (Y/N) N Date Sampled: 09/12/06 15:00

Extraction: (SepF/Cont/Sonc/Soxh) SOXH Date Extracted:09/16/06

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 09/19/06 17:42

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	MDL	RL	CONC	Q
53-70-3	Dibenz(a,h)anthracene	41	340		U
132-64-9	Dibenzofuran	100	340		U
91-94-1	3,3'-Dichlorobenzidine	150	340		U
120-83-2	2,4-Dichlorophenol	100	340		U
87-65-0	2,6-Dichlorophenol	100	340		U
84-66-2	Diethylphthalate	100	340		U
60-51-5	Dimethoate	100	340		U
60-11-7	p-(Dimethylamino)azobenzene	100	340		U
57-97-6	7,12-Dimethylbenz[a]anthrace	100	340		U
119-93-7	3,3'-Dimethylbenzidine	100	340		U
122-09-8	a,a-Dimethyl-phenethylamine	100	340		U
105-67-9	2,4-Dimethylphenol	100	1400		U
131-11-3	Dimethylphthalate	100	340		U
84-74-2	Di-n-butylphthalate	100	340		U
99-65-0	m-Dinitrobenzene	100	340		U
534-52-1	4,6-Dinitro-2-methylphenol	100	1400		U
51-28-5	2,4-Dinitrophenol	100	3400		U
121-14-2	2,4-Dinitrotoluene	100	340		U
606-20-2	2,6-Dinitrotoluene	100	340		U
117-84-0	Di-n-octylphthalate	100	340		U
122-39-4	Diphenylamine	100	340		U
62-50-0	Ethyl methanesulfonate	100	340		U
206-44-0	Fluoranthene	41	340		U
86-73-7	Fluorene	41	340		U
118-74-1	Hexachlorobenzene	100	340		U
87-68-3	Hexachlorobutadiene	100	340		U
77-47-4	Hexachlorocyclopentadiene	100	340		U
67-72-1	Hexachloroethane	100	340		U
70-30-4	Hexachlorophene	100	680		U
1888-71-7	Hexachloropropene	100	340		U
193-39-5	Indeno(1,2,3-cd)pyrene	41	340		U
465-73-6	Isodrin	100	340		U
78-59-1	Isophorone	100	340		U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-DPB4-S10

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.B09069

Matrix: (soil/water) SOIL Lab Sample ID: 0609069-04

Sample wt/vol: 15.2 (g/mL) G Lab File ID: 0906904

% Moisture: 3 decanted: (Y/N) N Date Sampled: 09/12/06 15:00

Extraction: (SepF/Cont/Sonc/Soxh) SOXH Date Extracted:09/16/06

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 09/19/06 17:42

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) MDL	RL	CONC	UG/KG Q
120-58-1	Isosafrole	100	340		U
143-50-0	Kepone	100	340		U
91-80-5	Methapyrilene	100	340		U
56-49-5	3-Methylcholanthrene	100	340		U
66-27-3	Methyl methanesulfonate	100	340		U
91-57-6	2-Methylnaphthalene	41	340		U
106-44-5	4-Methylphenol	100	340		U
108-39-4	3-Methylphenol	100	340		U
95-48-7	2-Methylphenol	100	340		U
91-20-3	Naphthalene	41	340		U
130-15-4	1,4-Naphthoquinone	100	340		U
134-32-7	1-Naphthylamine	100	340		U
91-59-8	2-Naphthylamine	100	340		U
88-74-4	2-Nitroaniline	100	1400		U
99-09-2	3-Nitroaniline	100	1400		U
100-01-6	4-Nitroaniline	100	1400		U
98-95-3	Nitrobenzene	100	340		U
88-75-5	2-Nitrophenol	100	340		U
100-02-7	4-Nitrophenol	100	1400		U
56-57-5	4-Nitroquinoline-1-oxide	100	340		U
924-16-3	N-Nitrosodi-n-butylamine	100	340		U
55-18-5	N-Nitrosodiethylamine	100	340		U
62-75-9	N-Nitroso-di-methylamine	100	340		U
86-30-6	N-Nitrosodiphenylamine (1)	100	340		U
621-64-7	N-Nitroso-di-n-propylamine	100	340		U
10595-95-6	N-Nitrosomethylethylamine	100	340		U
59-89-2	N-Nitrosomorpholine	100	340		U
100-75-4	N-Nitrosopiperidine	100	340		U
930-55-2	N-Nitrosopyrrolidine	100	340		U
99-55-8	5-Nitro-o-toluidine	100	340		U
608-93-5	Pentachlorobenzene	100	340		U
82-68-8	Pentachloronitrobenzene	100	340		U
76-01-7	Pentachloroethane	100	340		U

(1) - Cannot be separated from Diphenylamine

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-DPB4-S10

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.B09069

Matrix: (soil/water) SOIL Lab Sample ID: 0609069-04

Sample wt/vol: 15.2 (g/mL) G Lab File ID: 0906904

% Moisture: 3 decanted: (Y/N) N Date Sampled: 09/12/06 15:00

Extraction: (SepF/Cont/Sonc/Soxh) SOXH Date Extracted:09/16/06

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 09/19/06 17:42

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	MDL	RL	CONC	Q
87-86-5	Pentachlorophenol	100	1400		U
62-44-2	Phenacetin	100	340		U
85-01-8	Phenanthrene	41	340		U
108-95-2	Phenol	100	340		U
106-50-3	p-Phenylenediamine	100	340		U
109-06-8	2-Picoline	100	340		U
23950-58-5	Pronamide	100	340		U
129-00-0	Pyrene	41	340		U
110-86-1	Pyridine	100	1400		U
94-59-7	Safrole	100	340		U
95-94-3	1,2,4,5-Tetrachlorobenzene	100	340		U
58-90-2	2,3,4,6-Tetrachlorophenol	100	340		U
95-53-4	o-Toluidine	100	340		U
120-82-1	1,2,4-Trichlorobenzene	100	340		U
95-95-4	2,4,5-Trichlorophenol	100	340		U
88-06-2	2,4,6-Trichlorophenol	100	340		U
126-68-1	O,O,O-Triethylphosphorothioa	100	340		U
99-35-4	sym-Trinitrobenzene	100	340		U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.
OLFS4-DP
B4-S10-D

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.B09069

Matrix: (soil/water) SOIL Lab Sample ID: 0609069-05

Sample wt/vol: 15.3 (g/mL) G Lab File ID: 0906905

% Moisture: 3 decanted: (Y/N) N Date Sampled: 09/12/06 15:00

Extraction: (SepF/Cont/Sonc/Soxh) SOXH Date Extracted:09/16/06

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 09/19/06 18:17

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	MDL	RL	CONC	Q
83-32-9	Acenaphthene	40	340		U
208-96-8	Acenaphthylene	40	340		U
98-86-2	Acetophenone	100	340		U
53-96-3	2-Acetylaminofluorene	100	340		U
92-67-1	4-Aminobiphenyl	100	340		U
62-53-3	Aniline	100	340		U
140-57-8	Aramite	100	340		U
120-12-7	Anthracene	40	340		U
1912-24-9	Atrazine	100	340		U
100-52-7	Benzaldehyde	100	340		U
56-55-3	Benzo(a)anthracene	40	340		U
205-99-2	Benzo(b)fluoranthene	40	340		U
207-08-9	Benzo(k)fluoranthene	40	340		U
191-24-2	Benzo(g,h,i)perylene	40	340		U
50-32-8	Benzo(a)pyrene	40	340		U
100-51-6	Benzyl alcohol	100	340		U
92-52-4	1,1'-Biphenyl	100	340		U
111-91-1	bis(2-Chloroethoxy)methane	100	340		U
111-44-4	bis(2-Chloroethyl)ether	100	340		U
108-60-1	bis(2-Chloroisopropyl)ether	100	340		U
117-81-7	Bis(2-ethylhexyl)phthalate	100	340		U
101-55-3	4-Bromophenyl-phenylether	100	340		U
85-68-7	Butylbenzylphthalate	100	340		U
105-60-2	Caprolactam	100	340		U
86-74-8	Carbazole	40	340		U
106-47-8	4-Chloroaniline	100	340		U
510-15-6	Chlorobenzilate	100	340		U
59-50-7	4-Chloro-3-methylphenol	100	340		U
91-58-7	2-Chloronaphthalene	100	340		U
95-57-8	2-Chlorophenol	100	340		U
7005-72-3	4-Chlorophenyl-phenylether	100	340		U
218-01-9	Chrysene	40	340		U
2303-16-4	Diallate	100	340		U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.
OLFS4-DP
B4-S10-D

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.B09069

Matrix: (soil/water) SOIL Lab Sample ID: 0609069-05

Sample wt/vol: 15.3 (g/mL) G Lab File ID: 0906905

% Moisture: 3 decanted: (Y/N) N Date Sampled: 09/12/06 15:00

Extraction: (SepF/Cont/Sonc/Soxh) SOXH Date Extracted:09/16/06

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 09/19/06 18:17

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CAS NO.	COMPOUND	CONCENTRATION UNITS: MDL	(ug/L or ug/Kg) RL	UG/KG CONC	Q
53-70-3	Dibenz(a,h)anthracene	40	340		U
132-64-9	Dibenzofuran	100	340		U
91-94-1	3,3'-Dichlorobenzidine	150	340		U
120-83-2	2,4-Dichlorophenol	100	340		U
87-65-0	2,6-Dichlorophenol	100	340		U
84-66-2	Diethylphthalate	100	340		U
60-51-5	Dimethoate	100	340		U
60-11-7	p-(Dimethylamino)azobenzene	100	340		U
57-97-6	7,12-Dimethylbenz[a]anthrace	100	340		U
119-93-7	3,3'-Dimethylbenzidine	100	340		U
122-09-8	a,a-Dimethyl-phenethylamine	100	340		U
105-67-9	2,4-Dimethylphenol	100	1300		U
131-11-3	Dimethylphthalate	100	340		U
84-74-2	Di-n-butylphthalate	100	340		U
99-65-0	m-Dinitrobenzene	100	340		U
534-52-1	4,6-Dinitro-2-methylphenol	100	1300		U
51-28-5	2,4-Dinitrophenol	100	3400		U
121-14-2	2,4-Dinitrotoluene	100	340		U
606-20-2	2,6-Dinitrotoluene	100	340		U
117-84-0	Di-n-octylphthalate	100	340		U
122-39-4	Diphenylamine	100	340		U
62-50-0	Ethyl methanesulfonate	100	340		U
206-44-0	Fluoranthene	40	340		U
86-73-7	Fluorene	40	340		U
118-74-1	Hexachlorobenzene	100	340		U
87-68-3	Hexachlorobutadiene	100	340		U
77-47-4	Hexachlorocyclopentadiene	100	340		U
67-72-1	Hexachloroethane	100	340		U
70-30-4	Hexachlorophene	100	670		U
1888-71-7	Hexachloropropene	100	340		U
193-39-5	Indeno(1,2,3-cd)pyrene	40	340		U
465-73-6	Isodrin	100	340		U
78-59-1	Isophorone	100	340		U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.
OLFS4-DP
B4-S10-D

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.B09069

Matrix: (soil/water) SOIL Lab Sample ID: 0609069-05

Sample wt/vol: 15.3 (g/mL) G Lab File ID: 0906905

% Moisture: 3 decanted: (Y/N) N Date Sampled: 09/12/06 15:00

Extraction: (SepF/Cont/Sonc/Soxh) SOXH Date Extracted:09/16/06

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 09/19/06 18:17

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG MDL	RL	CONC	Q
120-58-1	Isosafrole	100	340		U
143-50-0	Kepone	100	340		U
91-80-5	Methapyrilene	100	340		U
56-49-5	3-Methylcholanthrene	100	340		U
66-27-3	Methyl methanesulfonate	100	340		U
91-57-6	2-Methylnaphthalene	40	340		U
106-44-5	4-Methylphenol	100	340		U
108-39-4	3-Methylphenol	100	340		U
95-48-7	2-Methylphenol	100	340		U
91-20-3	Naphthalene	40	340		U
130-15-4	1,4-Naphthoquinone	100	340		U
134-32-7	1-Naphthylamine	100	340		U
91-59-8	2-Naphthylamine	100	340		U
88-74-4	2-Nitroaniline	100	1300		U
99-09-2	3-Nitroaniline	100	1300		U
100-01-6	4-Nitroaniline	100	1300		U
98-95-3	Nitrobenzene	100	340		U
88-75-5	2-Nitrophenol	100	340		U
100-02-7	4-Nitrophenol	100	1300		U
56-57-5	4-Nitroquinoline-1-oxide	100	340		U
924-16-3	N-Nitrosodi-n-butylamine	100	340		U
55-18-5	N-Nitrosodiethylamine	100	340		U
62-75-9	N-Nitroso-di-methylamine	100	340		U
86-30-6	N-Nitrosodiphenylamine (1)	100	340		U
621-64-7	N-Nitroso-di-n-propylamine	100	340		U
10595-95-6	N-Nitrosomethylethylamine	100	340		U
59-89-2	N-Nitrosomorpholine	100	340		U
100-75-4	N-Nitrosopiperidine	100	340		U
930-55-2	N-Nitrosopyrrolidine	100	340		U
99-55-8	5-Nitro-o-toluidine	100	340		U
608-93-5	Pentachlorobenzene	100	340		U
82-68-8	Pentachloronitrobenzene	100	340		U
76-01-7	Pentachloroethane	100	340		U

(1) - Cannot be separated from Diphenylamine

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-DP
B4-S10-D

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.B09069

Matrix: (soil/water) SOIL Lab Sample ID: 0609069-05

Sample wt/vol: 15.3 (g/mL) G Lab File ID: 0906905

% Moisture: 3 decanted: (Y/N) N Date Sampled: 09/12/06 15:00

Extraction: (SepF/Cont/Sonc/Soxh) SOXH Date Extracted:09/16/06

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 09/19/06 18:17

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	MDL	RL	CONC	Q
87-86-5	Pentachlorophenol	100	1300		U
62-44-2	Phenacetin	100	340		U
85-01-8	Phenanthrene	40	340		U
108-95-2	Phenol	100	340		U
106-50-3	p-Phenylenediamine	100	340		U
109-06-8	2-Picoline	100	340		U
23950-58-5	Pronamide	100	340		U
129-00-0	Pyrene	40	340		U
110-86-1	Pyridine	100	1300		U
94-59-7	Safrole	100	340		U
95-94-3	1,2,4,5-Tetrachlorobenzene	100	340		U
58-90-2	2,3,4,6-Tetrachlorophenol	100	340		U
95-53-4	o-Toluidine	100	340		U
120-82-1	1,2,4-Trichlorobenzene	100	340		U
95-95-4	2,4,5-Trichlorophenol	100	340		U
88-06-2	2,4,6-Trichlorophenol	100	340		U
126-68-1	O,O,O-Triethylphosphorothioa	100	340		U
99-35-4	sym-Trinitrobenzene	100	340		U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-DPB5-S10

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.B09069

Matrix: (soil/water) SOIL Lab Sample ID: 0609069-06

Sample wt/vol: 15.1 (g/mL) G Lab File ID: 0906906

% Moisture: 3 decanted: (Y/N) N Date Sampled: 09/12/06 15:40

Extraction: (SepF/Cont/Sonc/Soxh) SOXH Date Extracted:09/16/06

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 09/19/06 18:52

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	MDL	RL	CONC	Q
83-32-9	Acenaphthene	41	340		U
208-96-8	Acenaphthylene	41	340		U
98-86-2	Acetophenone	100	340		U
53-96-3	2-Acetylaminofluorene	100	340		U
92-67-1	4-Aminobiphenyl	100	340		U
62-53-3	Aniline	100	340		U
140-57-8	Aramite	100	340		U
120-12-7	Anthracene	41	340		U
1912-24-9	Atrazine	100	340		U
100-52-7	Benzaldehyde	100	340		U
56-55-3	Benzo(a)anthracene	41	340		U
205-99-2	Benzo(b)fluoranthene	41	340		U
207-08-9	Benzo(k)fluoranthene	41	340		U
191-24-2	Benzo(g,h,i)perylene	41	340		U
50-32-8	Benzo(a)pyrene	41	340		U
100-51-6	Benzyl alcohol	100	340		U
92-52-4	1,1'-Biphenyl	100	340		U
111-91-1	bis(2-Chloroethoxy)methane	100	340		U
111-44-4	bis(2-Chloroethyl)ether	100	340		U
108-60-1	bis(2-Chloroisopropyl)ether	100	340		U
117-81-7	Bis(2-ethylhexyl)phthalate	100	340		U
101-55-3	4-Bromophenyl-phenylether	100	340		U
85-68-7	Butylbenzylphthalate	100	340		U
105-60-2	Caprolactam	100	340		U
86-74-8	Carbazole	41	340		U
106-47-8	4-Chloroaniline	100	340		U
510-15-6	Chlorobenzilate	100	340		U
59-50-7	4-Chloro-3-methylphenol	100	340		U
91-58-7	2-Chloronaphthalene	100	340		U
95-57-8	2-Chlorophenol	100	340		U
7005-72-3	4-Chlorophenyl-phenylether	100	340		U
218-01-9	Chrysene	41	340		U
2303-16-4	Diallate	100	340		U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-DPB5-S10

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.B09069

Matrix: (soil/water) SOIL Lab Sample ID: 0609069-06

Sample wt/vol: 15.1 (g/mL) G Lab File ID: 0906906

% Moisture: 3 decanted: (Y/N) N Date Sampled: 09/12/06 15:40

Extraction: (SepF/Cont/Sonc/Soxh) SOXH Date Extracted:09/16/06

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 09/19/06 18:52

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	MDL	RL	CONC	Q
53-70-3	Dibenz(a,h)anthracene	41	340		U
132-64-9	Dibenzofuran	100	340		U
91-94-1	3,3'-Dichlorobenzidine	150	340		U
120-83-2	2,4-Dichlorophenol	100	340		U
87-65-0	2,6-Dichlorophenol	100	340		U
84-66-2	Diethylphthalate	100	340		U
60-51-5	Dimethoate	100	340		U
60-11-7	p-(Dimethylamino)azobenzene	100	340		U
57-97-6	7,12-Dimethylbenz[a]anthrace	100	340		U
119-93-7	3,3'-Dimethylbenzidine	100	340		U
122-09-8	a,a-Dimethyl-phenethylamine	100	340		U
105-67-9	2,4-Dimethylphenol	100	1400		U
131-11-3	Dimethylphthalate	100	340		U
84-74-2	Di-n-butylphthalate	100	340		U
99-65-0	m-Dinitrobenzene	100	340		U
534-52-1	4,6-Dinitro-2-methylphenol	100	1400		U
51-28-5	2,4-Dinitrophenol	100	3400		U
121-14-2	2,4-Dinitrotoluene	100	340		U
606-20-2	2,6-Dinitrotoluene	100	340		U
117-84-0	Di-n-octylphthalate	100	340		U
122-39-4	Diphenylamine	100	340		U
62-50-0	Ethyl methanesulfonate	100	340		U
206-44-0	Fluoranthene	41	340		U
86-73-7	Fluorene	41	340		U
118-74-1	Hexachlorobenzene	100	340		U
87-68-3	Hexachlorobutadiene	100	340		U
77-47-4	Hexachlorocyclopentadiene	100	340		U
67-72-1	Hexachloroethane	100	340		U
70-30-4	Hexachlorophene	100	680		U
1888-71-7	Hexachloropropene	100	340		U
193-39-5	Indeno(1,2,3-cd)pyrene	41	340		U
465-73-6	Isodrin	100	340		U
78-59-1	Isophorone	100	340		U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-DPB5-S10

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.B09069

Matrix: (soil/water) SOIL Lab Sample ID: 0609069-06

Sample wt/vol: 15.1 (g/mL) G Lab File ID: 0906906

% Moisture: 3 decanted: (Y/N) N Date Sampled: 09/12/06 15:40

Extraction: (SepF/Cont/Sonc/Soxh) SOXH Date Extracted:09/16/06

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 09/19/06 18:52

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CAS NO.	COMPOUND	CONCENTRATION UNITS: MDL (ug/L or ug/Kg)	RL	CONC	UG/KG Q
120-58-1	Isosafrole	100	340		U
143-50-0	Kepone	100	340		U
91-80-5	Methapyrilene	100	340		U
56-49-5	3-Methylcholanthrene	100	340		U
66-27-3	Methyl methanesulfonate	100	340		U
91-57-6	2-Methylnaphthalene	41	340		U
106-44-5	4-Methylphenol	100	340		U
108-39-4	3-Methylphenol	100	340		U
95-48-7	2-Methylphenol	100	340		U
91-20-3	Naphthalene	41	340		U
130-15-4	1,4-Naphthoquinone	100	340		U
134-32-7	1-Naphthylamine	100	340		U
91-59-8	2-Naphthylamine	100	340		U
88-74-4	2-Nitroaniline	100	1400		U
99-09-2	3-Nitroaniline	100	1400		U
100-01-6	4-Nitroaniline	100	1400		U
98-95-3	Nitrobenzene	100	340		U
88-75-5	2-Nitrophenol	100	340		U
100-02-7	4-Nitrophenol	100	1400		U
56-57-5	4-Nitroquinoline-1-oxide	100	340		U
924-16-3	N-Nitrosodi-n-butylamine	100	340		U
55-18-5	N-Nitrosodiethylamine	100	340		U
62-75-9	N-Nitroso-di-methylamine	100	340		U
86-30-6	N-Nitrosodiphenylamine (1)	100	340		U
621-64-7	N-Nitroso-di-n-propylamine	100	340		U
10595-95-6	N-Nitrosomethylethylamine	100	340		U
59-89-2	N-Nitrosomorpholine	100	340		U
100-75-4	N-Nitrosopiperidine	100	340		U
930-55-2	N-Nitrosopyrrolidine	100	340		U
99-55-8	5-Nitro-o-toluidine	100	340		U
608-93-5	Pentachlorobenzene	100	340		U
82-68-8	Pentachloronitrobenzene	100	340		U
76-01-7	Pentachloroethane	100	340		U

(1) - Cannot be separated from Diphenylamine

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-DPB5-S10

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.B09069

Matrix: (soil/water) SOIL Lab Sample ID: 0609069-06

Sample wt/vol: 15.1 (g/mL) G Lab File ID: 0906906

% Moisture: 3 decanted: (Y/N) N Date Sampled: 09/12/06 15:40

Extraction: (SepF/Cont/Sonc/Soxh) SOXH Date Extracted:09/16/06

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 09/19/06 18:52

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG MDL	RL	CONC	Q
87-86-5	Pentachlorophenol	100	1400		U
62-44-2	Phenacetin	100	340		U
85-01-8	Phenanthrene	41	340		U
108-95-2	Phenol	100	340		U
106-50-3	p-Phenylenediamine	100	340		U
109-06-8	2-Picoline	100	340		U
23950-58-5	Pronamide	100	340		U
129-00-0	Pyrene	41	340		U
110-86-1	Pyridine	100	1400		U
94-59-7	Safrole	100	340		U
95-94-3	1,2,4,5-Tetrachlorobenzene	100	340		U
58-90-2	2,3,4,6-Tetrachlorophenol	100	340		U
95-53-4	o-Toluidine	100	340		U
120-82-1	1,2,4-Trichlorobenzene	100	340		U
95-95-4	2,4,5-Trichlorophenol	100	340		U
88-06-2	2,4,6-Trichlorophenol	100	340		U
126-68-1	O,O,O-Triethylphosphorothioa	100	340		U
99-35-4	sym-Trinitrobenzene	100	340		U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-DPB6-S10

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.B09069

Matrix: (soil/water) SOIL Lab Sample ID: 0609069-07

Sample wt/vol: 15.0 (g/mL) G Lab File ID: 0906907

% Moisture: 3 decanted: (Y/N) N Date Sampled: 09/12/06 16:00

Extraction: (SepF/Cont/Sonc/Soxh) SOXH Date Extracted:09/16/06

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 09/19/06 19:27

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	MDL	RL	CONC	Q
83-32-9	Acenaphthene	41	340		U
208-96-8	Acenaphthylene	41	340		U
98-86-2	Acetophenone	100	340		U
53-96-3	2-Acetylaminofluorene	100	340		U
92-67-1	4-Aminobiphenyl	100	340		U
62-53-3	Aniline	100	340		U
140-57-8	Aramite	100	340		U
120-12-7	Anthracene	41	340		U
1912-24-9	Atrazine	100	340		U
100-52-7	Benzaldehyde	100	340		U
56-55-3	Benzo(a)anthracene	41	340		U
205-99-2	Benzo(b)fluoranthene	41	340		U
207-08-9	Benzo(k)fluoranthene	41	340		U
191-24-2	Benzo(g,h,i)perylene	41	340		U
50-32-8	Benzo(a)pyrene	41	340		U
100-51-6	Benzyl alcohol	100	340		U
92-52-4	1,1'-Biphenyl	100	340		U
111-91-1	bis(2-Chloroethoxy)methane	100	340		U
111-44-4	bis(2-Chloroethyl)ether	100	340		U
108-60-1	bis(2-Chloroisopropyl)ether	100	340		U
117-81-7	Bis(2-ethylhexyl)phthalate	100	340		U
101-55-3	4-Bromophenyl-phenylether	100	340		U
85-68-7	Butylbenzylphthalate	100	340		U
105-60-2	Caprolactam	100	340		U
86-74-8	Carbazole	41	340		U
106-47-8	4-Chloroaniline	100	340		U
510-15-6	Chlorobenzilate	100	340		U
59-50-7	4-Chloro-3-methylphenol	100	340		U
91-58-7	2-Chloronaphthalene	100	340		U
95-57-8	2-Chlorophenol	100	340		U
7005-72-3	4-Chlorophenyl-phenylether	100	340		U
218-01-9	Chrysene	41	340		U
2303-16-4	Diallate	100	340		U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-DPB6-S10

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.B09069

Matrix: (soil/water) SOIL Lab Sample ID: 0609069-07

Sample wt/vol: 15.0 (g/mL) G Lab File ID: 0906907

% Moisture: 3 decanted: (Y/N) N Date Sampled: 09/12/06 16:00

Extraction: (SepF/Cont/Sonc/Soxh) SOXH Date Extracted:09/16/06

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 09/19/06 19:27

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG MDL	RL	CONC	Q
53-70-3	Dibenz(a,h)anthracene	41	340		U
132-64-9	Dibenzofuran	100	340		U
91-94-1	3,3'-Dichlorobenzidine	150	340		U
120-83-2	2,4-Dichlorophenol	100	340		U
87-65-0	2,6-Dichlorophenol	100	340		U
84-66-2	Diethylphthalate	100	340		U
60-51-5	Dimethoate	100	340		U
60-11-7	p-(Dimethylamino)azobenzene	100	340		U
57-97-6	7,12-Dimethylbenz[a]anthrace	100	340		U
119-93-7	3,3'-Dimethylbenzidine	100	340		U
122-09-8	a,a-Dimethyl-phenethylamine	100	340		U
105-67-9	2,4-Dimethylphenol	100	1400		U
131-11-3	Dimethylphthalate	100	340		U
84-74-2	Di-n-butylphthalate	100	340		U
99-65-0	m-Dinitrobenzene	100	340		U
534-52-1	4,6-Dinitro-2-methylphenol	100	1400		U
51-28-5	2,4-Dinitrophenol	100	3400		U
121-14-2	2,4-Dinitrotoluene	100	340		U
606-20-2	2,6-Dinitrotoluene	100	340		U
117-84-0	Di-n-octylphthalate	100	340		U
122-39-4	Diphenylamine	100	340		U
62-50-0	Ethyl methanesulfonate	100	340		U
206-44-0	Fluoranthene	41	340		U
86-73-7	Fluorene	41	340		U
118-74-1	Hexachlorobenzene	100	340		U
87-68-3	Hexachlorobutadiene	100	340		U
77-47-4	Hexachlorocyclopentadiene	100	340		U
67-72-1	Hexachloroethane	100	340		U
70-30-4	Hexachlorophene	100	680		U
1888-71-7	Hexachloropropene	100	340		U
193-39-5	Indeno(1,2,3-cd)pyrene	41	340		U
465-73-6	Isodrin	100	340		U
78-59-1	Isophorone	100	340		U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-DPB6-S10

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.B09069

Matrix: (soil/water) SOIL Lab Sample ID: 0609069-07

Sample wt/vol: 15.0 (g/mL) G Lab File ID: 0906907

% Moisture: 3 decanted: (Y/N) N Date Sampled: 09/12/06 16:00

Extraction: (SepF/Cont/Sonc/Soxh) SOXH Date Extracted:09/16/06

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 09/19/06 19:27

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG MDL	RL	CONC	Q
120-58-1	Isosafrole	100	340		U
143-50-0	Kepone	100	340		U
91-80-5	Methapyrilene	100	340		U
56-49-5	3-Methylcholanthrene	100	340		U
66-27-3	Methyl methanesulfonate	100	340		U
91-57-6	2-Methylnaphthalene	41	340		U
106-44-5	4-Methylphenol	100	340		U
108-39-4	3-Methylphenol	100	340		U
95-48-7	2-Methylphenol	100	340		U
91-20-3	Naphthalene	41	340		U
130-15-4	1,4-Naphthoquinone	100	340		U
134-32-7	1-Naphthylamine	100	340		U
91-59-8	2-Naphthylamine	100	340		U
88-74-4	2-Nitroaniline	100	1400		U
99-09-2	3-Nitroaniline	100	1400		U
100-01-6	4-Nitroaniline	100	1400		U
98-95-3	Nitrobenzene	100	340		U
88-75-5	2-Nitrophenol	100	340		U
100-02-7	4-Nitrophenol	100	1400		U
56-57-5	4-Nitroquinoline-1-oxide	100	340		U
924-16-3	N-Nitrosodi-n-butylamine	100	340		U
55-18-5	N-Nitrosodiethylamine	100	340		U
62-75-9	N-Nitroso-di-methylamine	100	340		U
86-30-6	N-Nitrosodiphenylamine (1)	100	340		U
621-64-7	N-Nitroso-di-n-propylamine	100	340		U
10595-95-6	N-Nitrosomethylethylamine	100	340		U
59-89-2	N-Nitrosomorpholine	100	340		U
100-75-4	N-Nitrosopiperidine	100	340		U
930-55-2	N-Nitrosopyrrolidine	100	340		U
99-55-8	5-Nitro-o-toluidine	100	340		U
608-93-5	Pentachlorobenzene	100	340		U
82-68-8	Pentachloronitrobenzene	100	340		U
76-01-7	Pentachloroethane	100	340		U

(1) - Cannot be separated from Diphenylamine

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-DPB6-S10

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.B09069

Matrix: (soil/water) SOIL Lab Sample ID: 0609069-07

Sample wt/vol: 15.0 (g/mL) G Lab File ID: 0906907

% Moisture: 3 decanted: (Y/N) N Date Sampled: 09/12/06 16:00

Extraction: (SepF/Cont/Sonc/Soxh) SOXH Date Extracted:09/16/06

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 09/19/06 19:27

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	MDL	RL	CONC	Q
87-86-5	Pentachlorophenol	100	1400		U
62-44-2	Phenacetin	100	340		U
85-01-8	Phenanthrene	41	340		U
108-95-2	Phenol	100	340		U
106-50-3	p-Phenylenediamine	100	340		U
109-06-8	2-Picoline	100	340		U
23950-58-5	Pronamide	100	340		U
129-00-0	Pyrene	41	340		U
110-86-1	Pyridine	100	1400		U
94-59-7	Safrole	100	340		U
95-94-3	1,2,4,5-Tetrachlorobenzene	100	340		U
58-90-2	2,3,4,6-Tetrachlorophenol	100	340		U
95-53-4	o-Toluidine	100	340		U
120-82-1	1,2,4-Trichlorobenzene	100	340		U
95-95-4	2,4,5-Trichlorophenol	100	340		U
88-06-2	2,4,6-Trichlorophenol	100	340		U
126-68-1	O,O,O-Triethylphosphorothioa	100	340		U
99-35-4	sym-Trinitrobenzene	100	340		U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-DPB7-S10

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.B09069

Matrix: (soil/water) SOIL Lab Sample ID: 0609069-08

Sample wt/vol: 15.1 (g/mL) G Lab File ID: 0906908

% Moisture: 2 decanted: (Y/N) N Date Sampled: 09/12/06 16:18

Extraction: (SepF/Cont/Sonc/Soxh) SOXH Date Extracted:09/16/06

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 09/19/06 22:54

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	MDL	RL	CONC	Q
83-32-9	Acenaphthene	40	340		U
208-96-8	Acenaphthylene	40	340		U
98-86-2	Acetophenone	100	340		U
53-96-3	2-Acetylaminofluorene	100	340		U
92-67-1	4-Aminobiphenyl	100	340		U
62-53-3	Aniline	100	340		U
140-57-8	Aramite	100	340		U
120-12-7	Anthracene	40	340		U
1912-24-9	Atrazine	100	340		U
100-52-7	Benzaldehyde	100	340		U
56-55-3	Benzo(a)anthracene	40	340		U
205-99-2	Benzo(b)fluoranthene	40	340		U
207-08-9	Benzo(k)fluoranthene	40	340		U
191-24-2	Benzo(g,h,i)perylene	40	340		U
50-32-8	Benzo(a)pyrene	40	340		U
100-51-6	Benzyl alcohol	100	340		U
92-52-4	1,1'-Biphenyl	100	340		U
111-91-1	bis(2-Chloroethoxy)methane	100	340		U
111-44-4	bis(2-Chloroethyl)ether	100	340		U
108-60-1	bis(2-Chloroisopropyl)ether	100	340		U
117-81-7	Bis(2-ethylhexyl)phthalate	100	340		U
101-55-3	4-Bromophenyl-phenylether	100	340		U
85-68-7	Butylbenzylphthalate	100	340		U
105-60-2	Caprolactam	100	340		U
86-74-8	Carbazole	40	340		U
106-47-8	4-Chloroaniline	100	340		U
510-15-6	Chlorobenzilate	100	340		U
59-50-7	4-Chloro-3-methylphenol	100	340		U
91-58-7	2-Chloronaphthalene	100	340		U
95-57-8	2-Chlorophenol	100	340		U
7005-72-3	4-Chlorophenyl-phenylether	100	340		U
218-01-9	Chrysene	40	340		U
2303-16-4	Diallate	100	340		U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-DPB7-S10

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.B09069

Matrix: (soil/water) SOIL Lab Sample ID: 0609069-08

Sample wt/vol: 15.1 (g/mL) G Lab File ID: 0906908

% Moisture: 2 decanted: (Y/N) N Date Sampled: 09/12/06 16:18

Extraction: (SepF/Cont/Sonc/Soxh) SOXH Date Extracted:09/16/06

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 09/19/06 22:54

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	MDL	RL	CONC	Q
53-70-3	Dibenz(a,h)anthracene	40	340		U
132-64-9	Dibenzofuran	100	340		U
91-94-1	3,3'-Dichlorobenzidine	150	340		U
120-83-2	2,4-Dichlorophenol	100	340		U
87-65-0	2,6-Dichlorophenol	100	340		U
84-66-2	Diethylphthalate	100	340		U
60-51-5	Dimethoate	100	340		U
60-11-7	p-(Dimethylamino)azobenzene	100	340		U
57-97-6	7,12-Dimethylbenz[a]anthrace	100	340		U
119-93-7	3,3'-Dimethylbenzidine	100	340		U
122-09-8	a,a-Dimethyl-phenethylamine	100	340		U
105-67-9	2,4-Dimethylphenol	100	1300		U
131-11-3	Dimethylphthalate	100	340		U
84-74-2	Di-n-butylphthalate	100	340		U
99-65-0	m-Dinitrobenzene	100	340		U
534-52-1	4,6-Dinitro-2-methylphenol	100	1300		U
51-28-5	2,4-Dinitrophenol	100	3400		U
121-14-2	2,4-Dinitrotoluene	100	340		U
606-20-2	2,6-Dinitrotoluene	100	340		U
117-84-0	Di-n-octylphthalate	100	340		U
122-39-4	Diphenylamine	100	340		U
62-50-0	Ethyl methanesulfonate	100	340		U
206-44-0	Fluoranthene	40	340		U
86-73-7	Fluorene	40	340		U
118-74-1	Hexachlorobenzene	100	340		U
87-68-3	Hexachlorobutadiene	100	340		U
77-47-4	Hexachlorocyclopentadiene	100	340		U
67-72-1	Hexachloroethane	100	340		U
70-30-4	Hexachlorophene	100	670		U
1888-71-7	Hexachloropropene	100	340		U
193-39-5	Indeno(1,2,3-cd)pyrene	40	340		U
465-73-6	Isodrin	100	340		U
78-59-1	Isophorone	100	340		U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-DPB7-S10

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.B09069

Matrix: (soil/water) SOIL Lab Sample ID: 0609069-08

Sample wt/vol: 15.1 (g/mL) G Lab File ID: 0906908

% Moisture: 2 decanted: (Y/N) N Date Sampled: 09/12/06 16:18

Extraction: (SepF/Cont/Sonc/Soxh) SOXH Date Extracted:09/16/06

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 09/19/06 22:54

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) MDL	RL	CONC	UG/KG Q
120-58-1	Isosafrole	100	340		U
143-50-0	Kepone	100	340		U
91-80-5	Methapyrilene	100	340		U
56-49-5	3-Methylcholanthrene	100	340		U
66-27-3	Methyl methanesulfonate	100	340		U
91-57-6	2-Methylnaphthalene	40	340		U
106-44-5	4-Methylphenol	100	340		U
108-39-4	3-Methylphenol	100	340		U
95-48-7	2-Methylphenol	100	340		U
91-20-3	Naphthalene	40	340		U
130-15-4	1,4-Naphthoquinone	100	340		U
134-32-7	1-Naphthylamine	100	340		U
91-59-8	2-Naphthylamine	100	340		U
88-74-4	2-Nitroaniline	100	1300		U
99-09-2	3-Nitroaniline	100	1300		U
100-01-6	4-Nitroaniline	100	1300		U
98-95-3	Nitrobenzene	100	340		U
88-75-5	2-Nitrophenol	100	340		U
100-02-7	4-Nitrophenol	100	1300		U
56-57-5	4-Nitroquinoline-1-oxide	100	340		U
924-16-3	N-Nitrosodi-n-butylamine	100	340		U
55-18-5	N-Nitrosodiethylamine	100	340		U
62-75-9	N-Nitroso-di-methylamine	100	340		U
86-30-6	N-Nitrosodiphenylamine (1)	100	340		U
621-64-7	N-Nitroso-di-n-propylamine	100	340		U
10595-95-6	N-Nitrosomethylethylamine	100	340		U
59-89-2	N-Nitrosomorpholine	100	340		U
100-75-4	N-Nitrosopiperidine	100	340		U
930-55-2	N-Nitrosopyrrolidine	100	340		U
99-55-8	5-Nitro-o-toluidine	100	340		U
608-93-5	Pentachlorobenzene	100	340		U
82-68-8	Pentachloronitrobenzene	100	340		U
76-01-7	Pentachloroethane	100	340		U

(1) - Cannot be separated from Diphenylamine

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-DPB7-S10

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.B09069

Matrix: (soil/water) SOIL Lab Sample ID: 0609069-08

Sample wt/vol: 15.1 (g/mL) G Lab File ID: 0906908

% Moisture: 2 decanted: (Y/N) N Date Sampled: 09/12/06 16:18

Extraction: (SepF/Cont/Sonc/Soxh) SOXH Date Extracted:09/16/06

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 09/19/06 22:54

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG MDL	RL	CONC	Q
87-86-5	Pentachlorophenol	100	1300		U
62-44-2	Phenacetin	100	340		U
85-01-8	Phenanthrene	40	340		U
108-95-2	Phenol	100	340		U
106-50-3	p-Phenylenediamine	100	340		U
109-06-8	2-Picoline	100	340		U
23950-58-5	Pronamide	100	340		U
129-00-0	Pyrene	40	340		U
110-86-1	Pyridine	100	1300		U
94-59-7	Safrole	100	340		U
95-94-3	1,2,4,5-Tetrachlorobenzene	100	340		U
58-90-2	2,3,4,6-Tetrachlorophenol	100	340		U
95-53-4	o-Toluidine	100	340		U
120-82-1	1,2,4-Trichlorobenzene	100	340		U
95-95-4	2,4,5-Trichlorophenol	100	340		U
88-06-2	2,4,6-Trichlorophenol	100	340		U
126-68-1	O,O,O-Triethylphosphorothioa	100	340		U
99-35-4	sym-Trinitrobenzene	100	340		U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-DPB8-S10

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.B09069

Matrix: (soil/water) SOIL Lab Sample ID: 0609069-09

Sample wt/vol: 15.7 (g/mL) G Lab File ID: 0906909

% Moisture: 8 decanted: (Y/N) N Date Sampled: 09/12/06 16:35

Extraction: (SepF/Cont/Sonc/Soxh) SOXH Date Extracted:09/16/06

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 09/19/06 23:29

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG MDL	RL	CONC	Q
83-32-9	Acenaphthene	42	350		U
208-96-8	Acenaphthylene	42	350		U
98-86-2	Acetophenone	100	350		U
53-96-3	2-Acetylaminofluorene	100	350		U
92-67-1	4-Aminobiphenyl	100	350		U
62-53-3	Aniline	100	350		U
140-57-8	Aramite	100	350		U
120-12-7	Anthracene	42	350		U
1912-24-9	Atrazine	100	350		U
100-52-7	Benzaldehyde	100	350		U
56-55-3	Benzo(a)anthracene	42	350		U
205-99-2	Benzo(b)fluoranthene	42	350		U
207-08-9	Benzo(k)fluoranthene	42	350		U
191-24-2	Benzo(g,h,i)perylene	42	350		U
50-32-8	Benzo(a)pyrene	42	350		U
100-51-6	Benzyl alcohol	100	350		U
92-52-4	1,1'-Biphenyl	100	350		U
111-91-1	bis(2-Chloroethoxy)methane	100	350		U
111-44-4	bis(2-Chloroethyl)ether	100	350		U
108-60-1	bis(2-Chloroisopropyl)ether	100	350		U
117-81-7	Bis(2-ethylhexyl)phthalate	100	350		U
101-55-3	4-Bromophenyl-phenylether	100	350		U
85-68-7	Butylbenzylphthalate	100	350		U
105-60-2	Caprolactam	100	350		U
86-74-8	Carbazole	42	350		U
106-47-8	4-Chloroaniline	100	350		U
510-15-6	Chlorobenzilate	100	350		U
59-50-7	4-Chloro-3-methylphenol	100	350		U
91-58-7	2-Chloronaphthalene	100	350		U
95-57-8	2-Chlorophenol	100	350		U
7005-72-3	4-Chlorophenyl-phenylether	100	350		U
218-01-9	Chrysene	42	350		U
2303-16-4	Diallate	100	350		U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-DPB8-S10

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.B09069

Matrix: (soil/water) SOIL Lab Sample ID: 0609069-09

Sample wt/vol: 15.7 (g/mL) G Lab File ID: 0906909

% Moisture: 8 decanted: (Y/N) N Date Sampled: 09/12/06 16:35

Extraction: (SepF/Cont/Sonc/Soxh) SOXH Date Extracted:09/16/06

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 09/19/06 23:29

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	MDL	RL	CONC	Q
53-70-3	Dibenz(a,h)anthracene	42	350		U
132-64-9	Dibenzofuran	100	350		U
91-94-1	3,3'-Dichlorobenzidine	160	350		U
120-83-2	2,4-Dichlorophenol	100	350		U
87-65-0	2,6-Dichlorophenol	100	350		U
84-66-2	Diethylphthalate	100	350		U
60-51-5	Dimethoate	100	350		U
60-11-7	p-(Dimethylamino)azobenzene	100	350		U
57-97-6	7,12-Dimethylbenz[a]anthrace	100	350		U
119-93-7	3,3'-Dimethylbenzidine	100	350		U
122-09-8	a,a-Dimethyl-phenethylamine	100	350		U
105-67-9	2,4-Dimethylphenol	100	1400		U
131-11-3	Dimethylphthalate	100	350		U
84-74-2	Di-n-butylphthalate	100	350		U
99-65-0	m-Dinitrobenzene	100	350		U
534-52-1	4,6-Dinitro-2-methylphenol	100	1400		U
51-28-5	2,4-Dinitrophenol	100	3500		U
121-14-2	2,4-Dinitrotoluene	100	350		U
606-20-2	2,6-Dinitrotoluene	100	350		U
117-84-0	Di-n-octylphthalate	100	350		U
122-39-4	Diphenylamine	100	350		U
62-50-0	Ethyl methanesulfonate	100	350		U
206-44-0	Fluoranthene	42	350		U
86-73-7	Fluorene	42	350		U
118-74-1	Hexachlorobenzene	100	350		U
87-68-3	Hexachlorobutadiene	100	350		U
77-47-4	Hexachlorocyclopentadiene	100	350		U
67-72-1	Hexachloroethane	100	350		U
70-30-4	Hexachlorophene	100	700		U
1888-71-7	Hexachloropropene	100	350		U
193-39-5	Indeno(1,2,3-cd)pyrene	42	350		U
465-73-6	Isodrin	100	350		U
78-59-1	Isophorone	100	350		U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-DPB8-S10

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.B09069

Matrix: (soil/water) SOIL Lab Sample ID: 0609069-09

Sample wt/vol: 15.7 (g/mL) G Lab File ID: 0906909

% Moisture: 8 decanted: (Y/N) N Date Sampled: 09/12/06 16:35

Extraction: (SepF/Cont/Sonc/Soxh) SOXH Date Extracted:09/16/06

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 09/19/06 23:29

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	MDL	RL	CONC	Q
120-58-1	Isosafrole	100	350		U
143-50-0	Kepone	100	350		U
91-80-5	Methapyrilene	100	350		U
56-49-5	3-Methylcholanthrene	100	350		U
66-27-3	Methyl methanesulfonate	100	350		U
91-57-6	2-Methylnaphthalene	42	350		U
106-44-5	4-Methylphenol	100	350		U
108-39-4	3-Methylphenol	100	350		U
95-48-7	2-Methylphenol	100	350		U
91-20-3	Naphthalene	42	350		U
130-15-4	1,4-Naphthoquinone	100	350		U
134-32-7	1-Naphthylamine	100	350		U
91-59-8	2-Naphthylamine	100	350		U
88-74-4	2-Nitroaniline	100	1400		U
99-09-2	3-Nitroaniline	100	1400		U
100-01-6	4-Nitroaniline	100	1400		U
98-95-3	Nitrobenzene	100	350		U
88-75-5	2-Nitrophenol	100	350		U
100-02-7	4-Nitrophenol	100	1400		U
56-57-5	4-Nitroquinoline-1-oxide	100	350		U
924-16-3	N-Nitrosodi-n-butylamine	100	350		U
55-18-5	N-Nitrosodiethylamine	100	350		U
62-75-9	N-Nitroso-di-methylamine	100	350		U
86-30-6	N-Nitrosodiphenylamine (1)	100	350		U
621-64-7	N-Nitroso-di-n-propylamine	100	350		U
10595-95-6	N-Nitrosomethylethylamine	100	350		U
59-89-2	N-Nitrosomorpholine	100	350		U
100-75-4	N-Nitrosopiperidine	100	350		U
930-55-2	N-Nitrosopyrrolidine	100	350		U
99-55-8	5-Nitro-o-toluidine	100	350		U
608-93-5	Pentachlorobenzene	100	350		U
82-68-8	Pentachloronitrobenzene	100	350		U
76-01-7	Pentachloroethane	100	350		U

(1) - Cannot be separated from Diphenylamine

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-DPB8-S10

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.B09069

Matrix: (soil/water) SOIL Lab Sample ID: 0609069-09

Sample wt/vol: 15.7 (g/mL) G Lab File ID: 0906909

% Moisture: 8 decanted: (Y/N) N Date Sampled: 09/12/06 16:35

Extraction: (SepF/Cont/Sonc/Soxh) SOXH Date Extracted:09/16/06

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 09/19/06 23:29

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CAS NO.	COMPOUND	CONCENTRATION UNITS: MDL	(ug/L or ug/Kg) RL	UG/KG CONC	Q
87-86-5	Pentachlorophenol	100	1400		U
62-44-2	Phenacetin	100	350		U
85-01-8	Phenanthrene	42	350		U
108-95-2	Phenol	100	350		U
106-50-3	p-Phenylenediamine	100	350		U
109-06-8	2-Picoline	100	350		U
23950-58-5	Pronamide	100	350		U
129-00-0	Pyrene	42	350		U
110-86-1	Pyridine	100	1400		U
94-59-7	Safrole	100	350		U
95-94-3	1,2,4,5-Tetrachlorobenzene	100	350		U
58-90-2	2,3,4,6-Tetrachlorophenol	100	350		U
95-53-4	o-Toluidine	100	350		U
120-82-1	1,2,4-Trichlorobenzene	100	350		U
95-95-4	2,4,5-Trichlorophenol	100	350		U
88-06-2	2,4,6-Trichlorophenol	100	350		U
126-68-1	O,O,O-Triethylphosphorothioa	100	350		U
99-35-4	sym-Trinitrobenzene	100	350		U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-DPB9-S10

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.B09069

Matrix: (soil/water) SOIL Lab Sample ID: 0609069-10

Sample wt/vol: 15.2 (g/mL) G Lab File ID: 0906910

% Moisture: 3 decanted: (Y/N) N Date Sampled: 09/12/06 16:50

Extraction: (SepF/Cont/Sonc/Soxh) SOXH Date Extracted:09/16/06

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 09/20/06 00:03

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	MDL	RL	CONC	Q
83-32-9	Acenaphthene	41	340		U
208-96-8	Acenaphthylene	41	340		U
98-86-2	Acetophenone	100	340		U
53-96-3	2-Acetylaminofluorene	100	340		U
92-67-1	4-Aminobiphenyl	100	340		U
62-53-3	Aniline	100	340		U
140-57-8	Aramite	100	340		U
120-12-7	Anthracene	41	340		U
1912-24-9	Atrazine	100	340		U
100-52-7	Benzaldehyde	100	340		U
56-55-3	Benzo(a)anthracene	41	340		U
205-99-2	Benzo(b)fluoranthene	41	340		U
207-08-9	Benzo(k)fluoranthene	41	340		U
191-24-2	Benzo(g,h,i)perylene	41	340		U
50-32-8	Benzo(a)pyrene	41	340		U
100-51-6	Benzyl alcohol	100	340		U
92-52-4	1,1'-Biphenyl	100	340		U
111-91-1	bis(2-Chloroethoxy)methane	100	340		U
111-44-4	bis(2-Chloroethyl)ether	100	340		U
108-60-1	bis(2-Chloroisopropyl)ether	100	340		U
117-81-7	Bis(2-ethylhexyl)phthalate	100	340		U
101-55-3	4-Bromophenyl-phenylether	100	340		U
85-68-7	Butylbenzylphthalate	100	340		U
105-60-2	Caprolactam	100	340		U
86-74-8	Carbazole	41	340		U
106-47-8	4-Chloroaniline	100	340		U
510-15-6	Chlorobenzilate	100	340		U
59-50-7	4-Chloro-3-methylphenol	100	340		U
91-58-7	2-Chloronaphthalene	100	340		U
95-57-8	2-Chlorophenol	100	340		U
7005-72-3	4-Chlorophenyl-phenylether	100	340		U
218-01-9	Chrysene	41	340		U
2303-16-4	Diallate	100	340		U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.
OLFS4-DPB9-S10

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.B09069

Matrix: (soil/water) SOIL Lab Sample ID: 0609069-10

Sample wt/vol: 15.2 (g/mL) G Lab File ID: 0906910

% Moisture: 3 decanted: (Y/N) N Date Sampled: 09/12/06 16:50

Extraction: (SepF/Cont/Sonc/Soxh) SOXH Date Extracted:09/16/06

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 09/20/06 00:03

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG MDL	RL	CONC	Q
53-70-3	Dibenz(a,h)anthracene	41	340		U
132-64-9	Dibenzofuran	100	340		U
91-94-1	3,3'-Dichlorobenzidine	150	340		U
120-83-2	2,4-Dichlorophenol	100	340		U
87-65-0	2,6-Dichlorophenol	100	340		U
84-66-2	Diethylphthalate	100	340		U
60-51-5	Dimethoate	100	340		U
60-11-7	p-(Dimethylamino)azobenzene	100	340		U
57-97-6	7,12-Dimethylbenz[a]anthrace	100	340		U
119-93-7	3,3'-Dimethylbenzidine	100	340		U
122-09-8	a,a-Dimethyl-phenethylamine	100	340		U
105-67-9	2,4-Dimethylphenol	100	1400		U
131-11-3	Dimethylphthalate	100	340		U
84-74-2	Di-n-butylphthalate	100	340		U
99-65-0	m-Dinitrobenzene	100	340		U
534-52-1	4,6-Dinitro-2-methylphenol	100	1400		U
51-28-5	2,4-Dinitrophenol	100	3400		U
121-14-2	2,4-Dinitrotoluene	100	340		U
606-20-2	2,6-Dinitrotoluene	100	340		U
117-84-0	Di-n-octylphthalate	100	340		U
122-39-4	Diphenylamine	100	340		U
62-50-0	Ethyl methanesulfonate	100	340		U
206-44-0	Fluoranthene	41	340		U
86-73-7	Fluorene	41	340		U
118-74-1	Hexachlorobenzene	100	340		U
87-68-3	Hexachlorobutadiene	100	340		U
77-47-4	Hexachlorocyclopentadiene	100	340		U
67-72-1	Hexachloroethane	100	340		U
70-30-4	Hexachlorophene	100	680		U
1888-71-7	Hexachloropropene	100	340		U
193-39-5	Indeno(1,2,3-cd)pyrene	41	340		U
465-73-6	Isodrin	100	340		U
78-59-1	Isophorone	100	340		U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-DPB9-S10

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.B09069

Matrix: (soil/water) SOIL Lab Sample ID: 0609069-10

Sample wt/vol: 15.2 (g/mL) G Lab File ID: 0906910

% Moisture: 3 decanted: (Y/N) N Date Sampled: 09/12/06 16:50

Extraction: (SepF/Cont/Sonc/Soxh) SOXH Date Extracted:09/16/06

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 09/20/06 00:03

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG MDL	RL	CONC	Q
120-58-1	Isosafrole	100	340		U
143-50-0	Kepone	100	340		U
91-80-5	Methapyrilene	100	340		U
56-49-5	3-Methylcholanthrene	100	340		U
66-27-3	Methyl methanesulfonate	100	340		U
91-57-6	2-Methylnaphthalene	41	340		U
106-44-5	4-Methylphenol	100	340		U
108-39-4	3-Methylphenol	100	340		U
95-48-7	2-Methylphenol	100	340		U
91-20-3	Naphthalene	41	340		U
130-15-4	1,4-Naphthoquinone	100	340		U
134-32-7	1-Naphthylamine	100	340		U
91-59-8	2-Naphthylamine	100	340		U
88-74-4	2-Nitroaniline	100	1400		U
99-09-2	3-Nitroaniline	100	1400		U
100-01-6	4-Nitroaniline	100	1400		U
98-95-3	Nitrobenzene	100	340		U
88-75-5	2-Nitrophenol	100	340		U
100-02-7	4-Nitrophenol	100	1400		U
56-57-5	4-Nitroquinoline-1-oxide	100	340		U
924-16-3	N-Nitrosodi-n-butylamine	100	340		U
55-18-5	N-Nitrosodiethylamine	100	340		U
62-75-9	N-Nitroso-di-methylamine	100	340		U
86-30-6	N-Nitrosodiphenylamine (1)	100	340		U
621-64-7	N-Nitroso-di-n-propylamine	100	340		U
10595-95-6	N-Nitrosomethylethylamine	100	340		U
59-89-2	N-Nitrosomorpholine	100	340		U
100-75-4	N-Nitrosopiperidine	100	340		U
930-55-2	N-Nitrosopyrrolidine	100	340		U
99-55-8	5-Nitro-o-toluidine	100	340		U
608-93-5	Pentachlorobenzene	100	340		U
82-68-8	Pentachloronitrobenzene	100	340		U
76-01-7	Pentachloroethane	100	340		U

(1) - Cannot be separated from Diphenylamine

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-DPB9-S10

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.B09069

Matrix: (soil/water) SOIL Lab Sample ID: 0609069-10

Sample wt/vol: 15.2 (g/mL) G Lab File ID: 0906910

% Moisture: 3 decanted: (Y/N) N Date Sampled: 09/12/06 16:50

Extraction: (SepF/Cont/Sonc/Soxh) SOXH Date Extracted:09/16/06

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 09/20/06 00:03

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) MDL	RL	CONC	UG/KG Q
87-86-5	Pentachlorophenol	100	1400		U
62-44-2	Phenacetin	100	340		U
85-01-8	Phenanthrene	41	340		U
108-95-2	Phenol	100	340		U
106-50-3	p-Phenylenediamine	100	340		U
109-06-8	2-Picoline	100	340		U
23950-58-5	Pronamide	100	340		U
129-00-0	Pyrene	41	340		U
110-86-1	Pyridine	100	1400		U
94-59-7	Safrole	100	340		U
95-94-3	1,2,4,5-Tetrachlorobenzene	100	340		U
58-90-2	2,3,4,6-Tetrachlorophenol	100	340		U
95-53-4	o-Toluidine	100	340		U
120-82-1	1,2,4-Trichlorobenzene	100	340		U
95-95-4	2,4,5-Trichlorophenol	100	340		U
88-06-2	2,4,6-Trichlorophenol	100	340		U
126-68-1	O,O,O-Triethylphosphorothioa	100	340		U
99-35-4	sym-Trinitrobenzene	100	340		U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-DPB10-S10

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.B09069

Matrix: (soil/water) SOIL Lab Sample ID: 0609069-11

Sample wt/vol: 15.5 (g/mL) G Lab File ID: 0906911

% Moisture: 3 decanted: (Y/N) N Date Sampled: 09/12/06 17:00

Extraction: (SepF/Cont/Sonc/Soxh) SOXH Date Extracted:09/16/06

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 09/20/06 00:38

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	MDL	RL	CONC	Q
83-32-9	Acenaphthene	40	330		U
208-96-8	Acenaphthylene	40	330		U
98-86-2	Acetophenone	100	330		U
53-96-3	2-Acetylaminofluorene	100	330		U
92-67-1	4-Aminobiphenyl	100	330		U
62-53-3	Aniline	100	330		U
140-57-8	Aramite	100	330		U
120-12-7	Anthracene	40	330		U
1912-24-9	Atrazine	100	330		U
100-52-7	Benzaldehyde	100	330		U
56-55-3	Benzo(a)anthracene	40	330		U
205-99-2	Benzo(b)fluoranthene	40	330		U
207-08-9	Benzo(k)fluoranthene	40	330		U
191-24-2	Benzo(g,h,i)perylene	40	330		U
50-32-8	Benzo(a)pyrene	40	330		U
100-51-6	Benzyl alcohol	100	330		U
92-52-4	1,1'-Biphenyl	100	330		U
111-91-1	bis(2-Chloroethoxy)methane	100	330		U
111-44-4	bis(2-Chloroethyl)ether	100	330		U
108-60-1	bis(2-Chloroisopropyl)ether	100	330		U
117-81-7	Bis(2-ethylhexyl)phthalate	100	330		U
101-55-3	4-Bromophenyl-phenylether	100	330		U
85-68-7	Butylbenzylphthalate	100	330		U
105-60-2	Caprolactam	100	330		U
86-74-8	Carbazole	40	330		U
106-47-8	4-Chloroaniline	100	330		U
510-15-6	Chlorobenzilate	100	330		U
59-50-7	4-Chloro-3-methylphenol	100	330		U
91-58-7	2-Chloronaphthalene	100	330		U
95-57-8	2-Chlorophenol	100	330		U
7005-72-3	4-Chlorophenyl-phenylether	100	330		U
218-01-9	Chrysene	40	330		U
2303-16-4	Diallate	100	330		U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-DPB10-S10

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.B09069

Matrix: (soil/water) SOIL Lab Sample ID: 0609069-11

Sample wt/vol: 15.5 (g/mL) G Lab File ID: 0906911

% Moisture: 3 decanted: (Y/N) N Date Sampled: 09/12/06 17:00

Extraction: (SepF/Cont/Sonc/Soxh) SOXH Date Extracted:09/16/06

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 09/20/06 00:38

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG MDL	RL	CONC	Q
53-70-3	Dibenz(a,h)anthracene	40	330		U
132-64-9	Dibenzofuran	100	330		U
91-94-1	3,3'-Dichlorobenzidine	150	330		U
120-83-2	2,4-Dichlorophenol	100	330		U
87-65-0	2,6-Dichlorophenol	100	330		U
84-66-2	Diethylphthalate	100	330		U
60-51-5	Dimethoate	100	330		U
60-11-7	p-(Dimethylamino)azobenzene	100	330		U
57-97-6	7,12-Dimethylbenz[a]anthrace	100	330		U
119-93-7	3,3'-Dimethylbenzidine	100	330		U
122-09-8	a,a-Dimethyl-phenethylamine	100	330		U
105-67-9	2,4-Dimethylphenol	100	1300		U
131-11-3	Dimethylphthalate	100	330		U
84-74-2	Di-n-butylphthalate	100	330		U
99-65-0	m-Dinitrobenzene	100	330		U
534-52-1	4,6-Dinitro-2-methylphenol	100	1300		U
51-28-5	2,4-Dinitrophenol	100	3300		U
121-14-2	2,4-Dinitrotoluene	100	330		U
606-20-2	2,6-Dinitrotoluene	100	330		U
117-84-0	Di-n-octylphthalate	100	330		U
122-39-4	Diphenylamine	100	330		U
62-50-0	Ethyl methanesulfonate	100	330		U
206-44-0	Fluoranthene	40	330		U
86-73-7	Fluorene	40	330		U
118-74-1	Hexachlorobenzene	100	330		U
87-68-3	Hexachlorobutadiene	100	330		U
77-47-4	Hexachlorocyclopentadiene	100	330		U
67-72-1	Hexachloroethane	100	330		U
70-30-4	Hexachlorophene	100	660		U
1888-71-7	Hexachloropropene	100	330		U
193-39-5	Indeno(1,2,3-cd)pyrene	40	330		U
465-73-6	Isodrin	100	330		U
78-59-1	Isophorone	100	330		U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-DPB10-S10

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.B09069

Matrix: (soil/water) SOIL Lab Sample ID: 0609069-11

Sample wt/vol: 15.5 (g/mL) G Lab File ID: 0906911

% Moisture: 3 decanted: (Y/N) N Date Sampled: 09/12/06 17:00

Extraction: (SepF/Cont/Sonc/Soxh) SOXH Date Extracted:09/16/06

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 09/20/06 00:38

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	MDL	RL	CONC	Q
120-58-1	Isosafrole	100	330		U
143-50-0	Kepone	100	330		U
91-80-5	Methapyrilene	100	330		U
56-49-5	3-Methylcholanthrene	100	330		U
66-27-3	Methyl methanesulfonate	100	330		U
91-57-6	2-Methylnaphthalene	40	330		U
106-44-5	4-Methylphenol	100	330		U
108-39-4	3-Methylphenol	100	330		U
95-48-7	2-Methylphenol	100	330		U
91-20-3	Naphthalene	40	330		U
130-15-4	1,4-Naphthoquinone	100	330		U
134-32-7	1-Naphthylamine	100	330		U
91-59-8	2-Naphthylamine	100	330		U
88-74-4	2-Nitroaniline	100	1300		U
99-09-2	3-Nitroaniline	100	1300		U
100-01-6	4-Nitroaniline	100	1300		U
98-95-3	Nitrobenzene	100	330		U
88-75-5	2-Nitrophenol	100	330		U
100-02-7	4-Nitrophenol	100	1300		U
56-57-5	4-Nitroquinoline-1-oxide	100	330		U
924-16-3	N-Nitrosodi-n-butylamine	100	330		U
55-18-5	N-Nitrosodiethylamine	100	330		U
62-75-9	N-Nitroso-di-methylamine	100	330		U
86-30-6	N-Nitrosodiphenylamine (1)	100	330		U
621-64-7	N-Nitroso-di-n-propylamine	100	330		U
10595-95-6	N-Nitrosomethylethylamine	100	330		U
59-89-2	N-Nitrosomorpholine	100	330		U
100-75-4	N-Nitrosopiperidine	100	330		U
930-55-2	N-Nitrosopyrrolidine	100	330		U
99-55-8	5-Nitro-o-toluidine	100	330		U
608-93-5	Pentachlorobenzene	100	330		U
82-68-8	Pentachloronitrobenzene	100	330		U
76-01-7	Pentachloroethane	100	330		U

(1) - Cannot be separated from Diphenylamine

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-DPB10-S10

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.B09069

Matrix: (soil/water) SOIL Lab Sample ID: 0609069-11

Sample wt/vol: 15.5 (g/mL) G Lab File ID: 0906911

% Moisture: 3 decanted: (Y/N) N Date Sampled: 09/12/06 17:00

Extraction: (SepF/Cont/Sonc/Soxh) SOXH Date Extracted:09/16/06

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 09/20/06 00:38

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	MDL	RL	CONC	Q
87-86-5	Pentachlorophenol	100	1300		U
62-44-2	Phenacetin	100	330		U
85-01-8	Phenanthrene	40	330		U
108-95-2	Phenol	100	330		U
106-50-3	p-Phenylenediamine	100	330		U
109-06-8	2-Picoline	100	330		U
23950-58-5	Pronamide	100	330		U
129-00-0	Pyrene	40	330		U
110-86-1	Pyridine	100	1300		U
94-59-7	Safrole	100	330		U
95-94-3	1,2,4,5-Tetrachlorobenzene	100	330		U
58-90-2	2,3,4,6-Tetrachlorophenol	100	330		U
95-53-4	o-Toluidine	100	330		U
120-82-1	1,2,4-Trichlorobenzene	100	330		U
95-95-4	2,4,5-Trichlorophenol	100	330		U
88-06-2	2,4,6-Trichlorophenol	100	330		U
126-68-1	O,O,O-Triethylphosphorothioa	100	330		U
99-35-4	sym-Trinitrobenzene	100	330		U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-DPW18-S12

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.B09069

Matrix: (soil/water) SOIL Lab Sample ID: 0609069-12

Sample wt/vol: 15.2 (g/mL) G Lab File ID: 0906912

% Moisture: 8 decanted: (Y/N) N Date Sampled: 09/12/06 07:57

Extraction: (SepF/Cont/Sonc/Soxh) SOXH Date Extracted:09/16/06

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 09/20/06 01:13

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	MDL	RL	CONC	Q
83-32-9	Acenaphthene	43	360		U
208-96-8	Acenaphthylene	43	360		U
98-86-2	Acetophenone	110	360		U
53-96-3	2-Acetylaminofluorene	110	360		U
92-67-1	4-Aminobiphenyl	110	360		U
62-53-3	Aniline	110	360		U
140-57-8	Aramite	110	360		U
120-12-7	Anthracene	43	360		U
1912-24-9	Atrazine	110	360		U
100-52-7	Benzaldehyde	110	360		U
56-55-3	Benzo(a)anthracene	43	360		U
205-99-2	Benzo(b)fluoranthene	43	360		U
207-08-9	Benzo(k)fluoranthene	43	360		U
191-24-2	Benzo(g,h,i)perylene	43	360		U
50-32-8	Benzo(a)pyrene	43	360		U
100-51-6	Benzyl alcohol	110	360		U
92-52-4	1,1'-Biphenyl	110	360		U
111-91-1	bis(2-Chloroethoxy)methane	110	360		U
111-44-4	bis(2-Chloroethyl)ether	110	360		U
108-60-1	bis(2-Chloroisopropyl)ether	110	360		U
117-81-7	Bis(2-ethylhexyl)phthalate	110	360		U
101-55-3	4-Bromophenyl-phenylether	110	360		U
85-68-7	Butylbenzylphthalate	110	360		U
105-60-2	Caprolactam	110	360		U
86-74-8	Carbazole	43	360		U
106-47-8	4-Chloroaniline	110	360		U
510-15-6	Chlorobenzilate	110	360		U
59-50-7	4-Chloro-3-methylphenol	110	360		U
91-58-7	2-Chloronaphthalene	110	360		U
95-57-8	2-Chlorophenol	110	360		U
7005-72-3	4-Chlorophenyl-phenylether	110	360		U
218-01-9	Chrysene	43	360		U
2303-16-4	Diallate	110	360		U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-DPW18-S12

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.B09069

Matrix: (soil/water) SOIL Lab Sample ID: 0609069-12

Sample wt/vol: 15.2 (g/mL) G Lab File ID: 0906912

% Moisture: 8 decanted: (Y/N) N Date Sampled: 09/12/06 07:57

Extraction: (SepF/Cont/Sonc/Soxh) SOXH Date Extracted:09/16/06

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 09/20/06 01:13

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	MDL	RL	CONC	Q
53-70-3	Dibenz(a,h)anthracene	43	360		U
132-64-9	Dibenzofuran	110	360		U
91-94-1	3,3'-Dichlorobenzidine	160	360		U
120-83-2	2,4-Dichlorophenol	110	360		U
87-65-0	2,6-Dichlorophenol	110	360		U
84-66-2	Diethylphthalate	110	360		U
60-51-5	Dimethoate	110	360		U
60-11-7	p-(Dimethylamino)azobenzene	110	360		U
57-97-6	7,12-Dimethylbenz[a]anthrace	110	360		U
119-93-7	3,3'-Dimethylbenzidine	110	360		U
122-09-8	a,a-Dimethyl-phenethylamine	110	360		U
105-67-9	2,4-Dimethylphenol	110	1400		U
131-11-3	Dimethylphthalate	110	360		U
84-74-2	Di-n-butylphthalate	110	360		U
99-65-0	m-Dinitrobenzene	110	360		U
534-52-1	4,6-Dinitro-2-methylphenol	110	1400		U
51-28-5	2,4-Dinitrophenol	110	3600		U
121-14-2	2,4-Dinitrotoluene	110	360		U
606-20-2	2,6-Dinitrotoluene	110	360		U
117-84-0	Di-n-octylphthalate	110	360		U
122-39-4	Diphenylamine	110	360		U
62-50-0	Ethyl methanesulfonate	110	360		U
206-44-0	Fluoranthene	43	360		U
86-73-7	Fluorene	43	360		U
118-74-1	Hexachlorobenzene	110	360		U
87-68-3	Hexachlorobutadiene	110	360		U
77-47-4	Hexachlorocyclopentadiene	110	360		U
67-72-1	Hexachloroethane	110	360		U
70-30-4	Hexachlorophene	110	710		U
1888-71-7	Hexachloropropene	110	360		U
193-39-5	Indeno(1,2,3-cd)pyrene	43	360		U
465-73-6	Isodrin	110	360		U
78-59-1	Isophorone	110	360		U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-DPW18-S12

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.B09069

Matrix: (soil/water) SOIL Lab Sample ID: 0609069-12

Sample wt/vol: 15.2 (g/mL) G Lab File ID: 0906912

% Moisture: 8 decanted: (Y/N) N Date Sampled: 09/12/06 07:57

Extraction: (SepF/Cont/Sonc/Soxh) SOXH Date Extracted:09/16/06

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 09/20/06 01:13

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	MDL	RL	CONC	Q
120-58-1	Isosafrole	110	360		U
143-50-0	Kepone	110	360		U
91-80-5	Methapyrilene	110	360		U
56-49-5	3-Methylcholanthrene	110	360		U
66-27-3	Methyl methanesulfonate	110	360		U
91-57-6	2-Methylnaphthalene	43	360		U
106-44-5	4-Methylphenol	110	360		U
108-39-4	3-Methylphenol	110	360		U
95-48-7	2-Methylphenol	110	360		U
91-20-3	Naphthalene	43	360		U
130-15-4	1,4-Naphthoquinone	110	360		U
134-32-7	1-Naphthylamine	110	360		U
91-59-8	2-Naphthylamine	110	360		U
88-74-4	2-Nitroaniline	110	1400		U
99-09-2	3-Nitroaniline	110	1400		U
100-01-6	4-Nitroaniline	110	1400		U
98-95-3	Nitrobenzene	110	360		U
88-75-5	2-Nitrophenol	110	360		U
100-02-7	4-Nitrophenol	110	1400		U
56-57-5	4-Nitroquinoline-1-oxide	110	360		U
924-16-3	N-Nitrosodi-n-butylamine	110	360		U
55-18-5	N-Nitrosodiethylamine	110	360		U
62-75-9	N-Nitroso-di-methylamine	110	360		U
86-30-6	N-Nitrosodiphenylamine (1)	110	360		U
621-64-7	N-Nitroso-di-n-propylamine	110	360		U
10595-95-6	N-Nitrosomethylethylamine	110	360		U
59-89-2	N-Nitrosomorpholine	110	360		U
100-75-4	N-Nitrosopiperidine	110	360		U
930-55-2	N-Nitrosopyrrolidine	110	360		U
99-55-8	5-Nitro-o-toluidine	110	360		U
608-93-5	Pentachlorobenzene	110	360		U
82-68-8	Pentachloronitrobenzene	110	360		U
76-01-7	Pentachloroethane	110	360		U

(1) - Cannot be separated from Diphenylamine

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-DPW18-S12

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.B09069

Matrix: (soil/water) SOIL Lab Sample ID: 0609069-12

Sample wt/vol: 15.2 (g/mL) G Lab File ID: 0906912

% Moisture: 8 decanted: (Y/N) N Date Sampled: 09/12/06 07:57

Extraction: (SepF/Cont/Sonc/Soxh) SOXH Date Extracted:09/16/06

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 09/20/06 01:13

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CAS NO.	COMPOUND	CONCENTRATION UNITS: MDL (ug/L or ug/Kg)	RL	CONC	UG/KG Q
87-86-5	Pentachlorophenol	110	1400		U
62-44-2	Phenacetin	110	360		U
85-01-8	Phenanthrene	43	360		U
108-95-2	Phenol	110	360		U
106-50-3	p-Phenylenediamine	110	360		U
109-06-8	2-Picoline	110	360		U
23950-58-5	Pronamide	110	360		U
129-00-0	Pyrene	43	360		U
110-86-1	Pyridine	110	1400		U
94-59-7	Safrole	110	360		U
95-94-3	1,2,4,5-Tetrachlorobenzene	110	360		U
58-90-2	2,3,4,6-Tetrachlorophenol	110	360		U
95-53-4	o-Toluidine	110	360		U
120-82-1	1,2,4-Trichlorobenzene	110	360		U
95-95-4	2,4,5-Trichlorophenol	110	360		U
88-06-2	2,4,6-Trichlorophenol	110	360		U
126-68-1	O,O,O-Triethylphosphorothioa	110	360		U
99-35-4	sym-Trinitrobenzene	110	360		U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-DPW19-S12

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.B09069

Matrix: (soil/water) SOIL Lab Sample ID: 0609069-13

Sample wt/vol: 15.3 (g/mL) G Lab File ID: 0906913

% Moisture: 7 decanted: (Y/N) N Date Sampled: 09/12/06 08:19

Extraction: (SepF/Cont/Sonc/Soxh) SOXH Date Extracted: 09/16/06

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 09/20/06 01:47

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	MDL	RL	CONC	Q
83-32-9	Acenaphthene	42	350		U
208-96-8	Acenaphthylene	42	350		U
98-86-2	Acetophenone	100	350		U
53-96-3	2-Acetylaminofluorene	100	350		U
92-67-1	4-Aminobiphenyl	100	350		U
62-53-3	Aniline	100	350		U
140-57-8	Aramite	100	350		U
120-12-7	Anthracene	42	350		U
1912-24-9	Atrazine	100	350		U
100-52-7	Benzaldehyde	100	350		U
56-55-3	Benzo(a)anthracene	42	350		U
205-99-2	Benzo(b)fluoranthene	42	350		U
207-08-9	Benzo(k)fluoranthene	42	350		U
191-24-2	Benzo(g,h,i)perylene	42	350		U
50-32-8	Benzo(a)pyrene	42	350		U
100-51-6	Benzyl alcohol	100	350		U
92-52-4	1,1'-Biphenyl	100	350		U
111-91-1	bis(2-Chloroethoxy)methane	100	350		U
111-44-4	bis(2-Chloroethyl)ether	100	350		U
108-60-1	bis(2-Chloroisopropyl)ether	100	350		U
117-81-7	Bis(2-ethylhexyl)phthalate	100	350		U
101-55-3	4-Bromophenyl-phenylether	100	350		U
85-68-7	Butylbenzylphthalate	100	350		U
105-60-2	Caprolactam	100	350		U
86-74-8	Carbazole	42	350		U
106-47-8	4-Chloroaniline	100	350		U
510-15-6	Chlorobenzilate	100	350		U
59-50-7	4-Chloro-3-methylphenol	100	350		U
91-58-7	2-Chloronaphthalene	100	350		U
95-57-8	2-Chlorophenol	100	350		U
7005-72-3	4-Chlorophenyl-phenylether	100	350		U
218-01-9	Chrysene	42	350		U
2303-16-4	Diallate	100	350		U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-DPW19-S12

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.B09069

Matrix: (soil/water) SOIL Lab Sample ID: 0609069-13

Sample wt/vol: 15.3 (g/mL) G Lab File ID: 0906913

% Moisture: 7 decanted: (Y/N) N Date Sampled: 09/12/06 08:19

Extraction: (SepF/Cont/Sonc/Soxh) SOXH Date Extracted:09/16/06

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 09/20/06 01:47

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	MDL	RL	CONC	Q
53-70-3	Dibenz(a,h)anthracene	42	350		U
132-64-9	Dibenzofuran	100	350		U
91-94-1	3,3'-Dichlorobenzidine	160	350		U
120-83-2	2,4-Dichlorophenol	100	350		U
87-65-0	2,6-Dichlorophenol	100	350		U
84-66-2	Diethylphthalate	100	350		U
60-51-5	Dimethoate	100	350		U
60-11-7	p-(Dimethylamino)azobenzene	100	350		U
57-97-6	7,12-Dimethylbenz[a]anthrace	100	350		U
119-93-7	3,3'-Dimethylbenzidine	100	350		U
122-09-8	a,a-Dimethyl-phenethylamine	100	350		U
105-67-9	2,4-Dimethylphenol	100	1400		U
131-11-3	Dimethylphthalate	100	350		U
84-74-2	Di-n-butylphthalate	100	350		U
99-65-0	m-Dinitrobenzene	100	350		U
534-52-1	4,6-Dinitro-2-methylphenol	100	1400		U
51-28-5	2,4-Dinitrophenol	100	3500		U
121-14-2	2,4-Dinitrotoluene	100	350		U
606-20-2	2,6-Dinitrotoluene	100	350		U
117-84-0	Di-n-octylphthalate	100	350		U
122-39-4	Diphenylamine	100	350		U
62-50-0	Ethyl methanesulfonate	100	350		U
206-44-0	Fluoranthene	42	350		U
86-73-7	Fluorene	42	350		U
118-74-1	Hexachlorobenzene	100	350		U
87-68-3	Hexachlorobutadiene	100	350		U
77-47-4	Hexachlorocyclopentadiene	100	350		U
67-72-1	Hexachloroethane	100	350		U
70-30-4	Hexachlorophene	100	700		U
1888-71-7	Hexachloropropene	100	350		U
193-39-5	Indeno(1,2,3-cd)pyrene	42	350		U
465-73-6	Isodrin	100	350		U
78-59-1	Isophorone	100	350		U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-DPW19-S12

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.B09069

Matrix: (soil/water) SOIL Lab Sample ID: 0609069-13

Sample wt/vol: 15.3 (g/mL) G Lab File ID: 0906913

% Moisture: 7 decanted: (Y/N) N Date Sampled: 09/12/06 08:19

Extraction: (SepF/Cont/Sonc/Soxh) SOXH Date Extracted:09/16/06

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 09/20/06 01:47

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	MDL	RL	CONC	Q
120-58-1	Isosafrole	100	350		U
143-50-0	Kepone	100	350		U
91-80-5	Methapyrilene	100	350		U
56-49-5	3-Methylcholanthrene	100	350		U
66-27-3	Methyl methanesulfonate	100	350		U
91-57-6	2-Methylnaphthalene	42	350		U
106-44-5	4-Methylphenol	100	350		U
108-39-4	3-Methylphenol	100	350		U
95-48-7	2-Methylphenol	100	350		U
91-20-3	Naphthalene	42	350		U
130-15-4	1,4-Naphthoquinone	100	350		U
134-32-7	1-Naphthylamine	100	350		U
91-59-8	2-Naphthylamine	100	350		U
88-74-4	2-Nitroaniline	100	1400		U
99-09-2	3-Nitroaniline	100	1400		U
100-01-6	4-Nitroaniline	100	1400		U
98-95-3	Nitrobenzene	100	350		U
88-75-5	2-Nitrophenol	100	350		U
100-02-7	4-Nitrophenol	100	1400		U
56-57-5	4-Nitroquinoline-1-oxide	100	350		U
924-16-3	N-Nitrosodi-n-butylamine	100	350		U
55-18-5	N-Nitrosodiethylamine	100	350		U
62-75-9	N-Nitroso-di-methylamine	100	350		U
86-30-6	N-Nitrosodiphenylamine (1)	100	350		U
621-64-7	N-Nitroso-di-n-propylamine	100	350		U
10595-95-6	N-Nitrosomethylethylamine	100	350		U
59-89-2	N-Nitrosomorpholine	100	350		U
100-75-4	N-Nitrosopiperidine	100	350		U
930-55-2	N-Nitrosopyrrolidine	100	350		U
99-55-8	5-Nitro-o-toluidine	100	350		U
608-93-5	Pentachlorobenzene	100	350		U
82-68-8	Pentachloronitrobenzene	100	350		U
76-01-7	Pentachloroethane	100	350		U

(1) - Cannot be separated from Diphenylamine

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-DPW19-S12

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.B09069

Matrix: (soil/water) SOIL Lab Sample ID: 0609069-13

Sample wt/vol: 15.3 (g/mL) G Lab File ID: 0906913

% Moisture: 7 decanted: (Y/N) N Date Sampled: 09/12/06 08:19

Extraction: (SepF/Cont/Sonc/Soxh) SOXH Date Extracted:09/16/06

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 09/20/06 01:47

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	MDL	RL	CONC	Q
87-86-5	Pentachlorophenol	100	1400		U
62-44-2	Phenacetin	100	350		U
85-01-8	Phenanthrene	42	350		U
108-95-2	Phenol	100	350		U
106-50-3	p-Phenylenediamine	100	350		U
109-06-8	2-Picoline	100	350		U
23950-58-5	Pronamide	100	350		U
129-00-0	Pyrene	42	350		U
110-86-1	Pyridine	100	1400		U
94-59-7	Safrole	100	350		U
95-94-3	1,2,4,5-Tetrachlorobenzene	100	350		U
58-90-2	2,3,4,6-Tetrachlorophenol	100	350		U
95-53-4	o-Toluidine	100	350		U
120-82-1	1,2,4-Trichlorobenzene	100	350		U
95-95-4	2,4,5-Trichlorophenol	100	350		U
88-06-2	2,4,6-Trichlorophenol	100	350		U
126-68-1	O,O,O-Triethylphosphorothioa	100	350		U
99-35-4	sym-Trinitrobenzene	100	350		U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.
OLFS4-DPW20-S12

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.B09069

Matrix: (soil/water) SOIL Lab Sample ID: 0609069-14

Sample wt/vol: 15.0 (g/mL) G Lab File ID: 0906914

% Moisture: 7 decanted: (Y/N) N Date Sampled: 09/12/06 08:43

Extraction: (SepF/Cont/Sonc/Soxh) SOXH Date Extracted:09/16/06

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 09/20/06 02:22

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	MDL	RL	CONC	Q
83-32-9	Acenaphthene	43	360		U
208-96-8	Acenaphthylene	43	360		U
98-86-2	Acetophenone	110	360		U
53-96-3	2-Acetylaminofluorene	110	360		U
92-67-1	4-Aminobiphenyl	110	360		U
62-53-3	Aniline	110	360		U
140-57-8	Aramite	110	360		U
120-12-7	Anthracene	43	360		U
1912-24-9	Atrazine	110	360		U
100-52-7	Benzaldehyde	110	360		U
56-55-3	Benzo(a)anthracene	43	360		U
205-99-2	Benzo(b)fluoranthene	43	360		U
207-08-9	Benzo(k)fluoranthene	43	360		U
191-24-2	Benzo(g,h,i)perylene	43	360		U
50-32-8	Benzo(a)pyrene	43	360		U
100-51-6	Benzyl alcohol	110	360		U
92-52-4	1,1'-Biphenyl	110	360		U
111-91-1	bis(2-Chloroethoxy)methane	110	360		U
111-44-4	bis(2-Chloroethyl)ether	110	360		U
108-60-1	bis(2-Chloroisopropyl)ether	110	360		U
117-81-7	Bis(2-ethylhexyl)phthalate	110	360		U
101-55-3	4-Bromophenyl-phenylether	110	360		U
85-68-7	Butylbenzylphthalate	110	360		U
105-60-2	Caprolactam	110	360		U
86-74-8	Carbazole	43	360		U
106-47-8	4-Chloroaniline	110	360		U
510-15-6	Chlorobenzilate	110	360		U
59-50-7	4-Chloro-3-methylphenol	110	360		U
91-58-7	2-Chloronaphthalene	110	360		U
95-57-8	2-Chlorophenol	110	360		U
7005-72-3	4-Chlorophenyl-phenylether	110	360		U
218-01-9	Chrysene	43	360		U
2303-16-4	Diallate	110	360		U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.
OLFS4-DPW20-S12

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.B09069

Matrix: (soil/water) SOIL Lab Sample ID: 0609069-14

Sample wt/vol: 15.0 (g/mL) G Lab File ID: 0906914

% Moisture: 7 decanted: (Y/N) N Date Sampled: 09/12/06 08:43

Extraction: (SepF/Cont/Sonc/Soxh) SOXH Date Extracted:09/16/06

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 09/20/06 02:22

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	MDL	RL	CONC	Q
53-70-3	Dibenz(a,h)anthracene	43	360		U
132-64-9	Dibenzofuran	110	360		U
91-94-1	3,3'-Dichlorobenzidine	160	360		U
120-83-2	2,4-Dichlorophenol	110	360		U
87-65-0	2,6-Dichlorophenol	110	360		U
84-66-2	Diethylphthalate	110	360		U
60-51-5	Dimethoate	110	360		U
60-11-7	p-(Dimethylamino)azobenzene	110	360		U
57-97-6	7,12-Dimethylbenz[a]anthrace	110	360		U
119-93-7	3,3'-Dimethylbenzidine	110	360		U
122-09-8	a,a-Dimethyl-phenethylamine	110	360		U
105-67-9	2,4-Dimethylphenol	110	1400		U
131-11-3	Dimethylphthalate	110	360		U
84-74-2	Di-n-butylphthalate	110	360		U
99-65-0	m-Dinitrobenzene	110	360		U
534-52-1	4,6-Dinitro-2-methylphenol	110	1400		U
51-28-5	2,4-Dinitrophenol	110	3600		U
121-14-2	2,4-Dinitrotoluene	110	360		U
606-20-2	2,6-Dinitrotoluene	110	360		U
117-84-0	Di-n-octylphthalate	110	360		U
122-39-4	Diphenylamine	110	360		U
62-50-0	Ethyl methanesulfonate	110	360		U
206-44-0	Fluoranthene	43	360		U
86-73-7	Fluorene	43	360		U
118-74-1	Hexachlorobenzene	110	360		U
87-68-3	Hexachlorobutadiene	110	360		U
77-47-4	Hexachlorocyclopentadiene	110	360		U
67-72-1	Hexachloroethane	110	360		U
70-30-4	Hexachlorophene	110	720		U
1888-71-7	Hexachloropropene	110	360		U
193-39-5	Indeno(1,2,3-cd)pyrene	43	360		U
465-73-6	Isodrin	110	360		U
78-59-1	Isophorone	110	360		U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-DPW20-S12

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.B09069

Matrix: (soil/water) SOIL Lab Sample ID: 0609069-14

Sample wt/vol: 15.0 (g/mL) G Lab File ID: 0906914

% Moisture: 7 decanted: (Y/N) N Date Sampled: 09/12/06 08:43

Extraction: (SepF/Cont/Sonc/Soxh) SOXH Date Extracted:09/16/06

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 09/20/06 02:22

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	MDL	RL	CONC	Q
120-58-1	Isosafrole	110	360		U
143-50-0	Kepone	110	360		U
91-80-5	Methapyrilene	110	360		U
56-49-5	3-Methylcholanthrene	110	360		U
66-27-3	Methyl methanesulfonate	110	360		U
91-57-6	2-Methylnaphthalene	43	360		U
106-44-5	4-Methylphenol	110	360		U
108-39-4	3-Methylphenol	110	360		U
95-48-7	2-Methylphenol	110	360		U
91-20-3	Naphthalene	43	360		U
130-15-4	1,4-Naphthoquinone	110	360		U
134-32-7	1-Naphthylamine	110	360		U
91-59-8	2-Naphthylamine	110	360		U
88-74-4	2-Nitroaniline	110	1400		U
99-09-2	3-Nitroaniline	110	1400		U
100-01-6	4-Nitroaniline	110	1400		U
98-95-3	Nitrobenzene	110	360		U
88-75-5	2-Nitrophenol	110	360		U
100-02-7	4-Nitrophenol	110	1400		U
56-57-5	4-Nitroquinoline-1-oxide	110	360		U
924-16-3	N-Nitrosodi-n-butylamine	110	360		U
55-18-5	N-Nitrosodiethylamine	110	360		U
62-75-9	N-Nitroso-di-methylamine	110	360		U
86-30-6	N-Nitrosodiphenylamine (1)	110	360		U
621-64-7	N-Nitroso-di-n-propylamine	110	360		U
10595-95-6	N-Nitrosomethylethylamine	110	360		U
59-89-2	N-Nitrosomorpholine	110	360		U
100-75-4	N-Nitrosopiperidine	110	360		U
930-55-2	N-Nitrosopyrrolidine	110	360		U
99-55-8	5-Nitro-o-toluidine	110	360		U
608-93-5	Pentachlorobenzene	110	360		U
82-68-8	Pentachloronitrobenzene	110	360		U
76-01-7	Pentachloroethane	110	360		U

(1) - Cannot be separated from Diphenylamine

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-DPW20-S12

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.B09069

Matrix: (soil/water) SOIL Lab Sample ID: 0609069-14

Sample wt/vol: 15.0 (g/mL) G Lab File ID: 0906914

% Moisture: 7 decanted: (Y/N) N Date Sampled: 09/12/06 08:43

Extraction: (SepF/Cont/Sonc/Soxh) SOXH Date Extracted:09/16/06

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 09/20/06 02:22

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	MDL	RL	CONC	Q
87-86-5	Pentachlorophenol	110	1400		U
62-44-2	Phenacetin	110	360		U
85-01-8	Phenanthrene	43	360		U
108-95-2	Phenol	110	360		U
106-50-3	p-Phenylenediamine	110	360		U
109-06-8	2-Picoline	110	360		U
23950-58-5	Pronamide	110	360		U
129-00-0	Pyrene	43	360		U
110-86-1	Pyridine	110	1400		U
94-59-7	Safrole	110	360		U
95-94-3	1,2,4,5-Tetrachlorobenzene	110	360		U
58-90-2	2,3,4,6-Tetrachlorophenol	110	360		U
95-53-4	o-Toluidine	110	360		U
120-82-1	1,2,4-Trichlorobenzene	110	360		U
95-95-4	2,4,5-Trichlorophenol	110	360		U
88-06-2	2,4,6-Trichlorophenol	110	360		U
126-68-1	O,O,O-Triethylphosphorothioa	110	360		U
99-35-4	sym-Trinitrobenzene	110	360		U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-DPW21-S12

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.B09069

Matrix: (soil/water) SOIL Lab Sample ID: 0609069-15

Sample wt/vol: 15.4 (g/mL) G Lab File ID: 0906915

% Moisture: 15 decanted: (Y/N) N Date Sampled: 09/12/06 09:15

Extraction: (SepF/Cont/Sonc/Soxh) SOXH Date Extracted:09/16/06

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 09/20/06 02:57

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	MDL	RL	CONC	Q
83-32-9	Acenaphthene	46	380		U
208-96-8	Acenaphthylene	46	380		U
98-86-2	Acetophenone	110	380		U
53-96-3	2-Acetylaminofluorene	110	380		U
92-67-1	4-Aminobiphenyl	110	380		U
62-53-3	Aniline	110	380		U
140-57-8	Aramite	110	380		U
120-12-7	Anthracene	46	380		U
1912-24-9	Atrazine	110	380		U
100-52-7	Benzaldehyde	110	380		U
56-55-3	Benzo(a)anthracene	46	380		U
205-99-2	Benzo(b)fluoranthene	46	380		U
207-08-9	Benzo(k)fluoranthene	46	380		U
191-24-2	Benzo(g,h,i)perylene	46	380		U
50-32-8	Benzo(a)pyrene	46	380		U
100-51-6	Benzyl alcohol	110	380		U
92-52-4	1,1'-Biphenyl	110	380		U
111-91-1	bis(2-Chloroethoxy)methane	110	380		U
111-44-4	bis(2-Chloroethyl)ether	110	380		U
108-60-1	bis(2-Chloroisopropyl)ether	110	380		U
117-81-7	Bis(2-ethylhexyl)phthalate	110	380		U
101-55-3	4-Bromophenyl-phenylether	110	380		U
85-68-7	Butylbenzylphthalate	110	380		U
105-60-2	Caprolactam	110	380		U
86-74-8	Carbazole	46	380		U
106-47-8	4-Chloroaniline	110	380		U
510-15-6	Chlorobenzilate	110	380		U
59-50-7	4-Chloro-3-methylphenol	110	380		U
91-58-7	2-Chloronaphthalene	110	380		U
95-57-8	2-Chlorophenol	110	380		U
7005-72-3	4-Chlorophenyl-phenylether	110	380		U
218-01-9	Chrysene	46	380		U
2303-16-4	Diallate	110	380		U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-DPW21-S12

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.B09069

Matrix: (soil/water) SOIL Lab Sample ID: 0609069-15

Sample wt/vol: 15.4 (g/mL) G Lab File ID: 0906915

% Moisture: 15 decanted: (Y/N) N Date Sampled: 09/12/06 09:15

Extraction: (SepF/Cont/Sonc/Soxh) SOXH Date Extracted:09/16/06

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 09/20/06 02:57

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	MDL	RL	CONC	Q
53-70-3	Dibenz(a,h)anthracene	46	380		U
132-64-9	Dibenzofuran	110	380		U
91-94-1	3,3'-Dichlorobenzidine	170	380		U
120-83-2	2,4-Dichlorophenol	110	380		U
87-65-0	2,6-Dichlorophenol	110	380		U
84-66-2	Diethylphthalate	110	380		U
60-51-5	Dimethoate	110	380		U
60-11-7	p-(Dimethylamino)azobenzene	110	380		U
57-97-6	7,12-Dimethylbenz[a]anthrace	110	380		U
119-93-7	3,3'-Dimethylbenzidine	110	380		U
122-09-8	a,a-Dimethyl-phenethylamine	110	380		U
105-67-9	2,4-Dimethylphenol	110	1500		U
131-11-3	Dimethylphthalate	110	380		U
84-74-2	Di-n-butylphthalate	110	380		U
99-65-0	m-Dinitrobenzene	110	380		U
534-52-1	4,6-Dinitro-2-methylphenol	110	1500		U
51-28-5	2,4-Dinitrophenol	110	3800		U
121-14-2	2,4-Dinitrotoluene	110	380		U
606-20-2	2,6-Dinitrotoluene	110	380		U
117-84-0	Di-n-octylphthalate	110	380		U
122-39-4	Diphenylamine	110	380		U
62-50-0	Ethyl methanesulfonate	110	380		U
206-44-0	Fluoranthene	46	380		U
86-73-7	Fluorene	46	380		U
118-74-1	Hexachlorobenzene	110	380		U
87-68-3	Hexachlorobutadiene	110	380		U
77-47-4	Hexachlorocyclopentadiene	110	380		U
67-72-1	Hexachloroethane	110	380		U
70-30-4	Hexachlorophene	110	760		U
1888-71-7	Hexachloropropene	110	380		U
193-39-5	Indeno(1,2,3-cd)pyrene	46	380		U
465-73-6	Isodrin	110	380		U
78-59-1	Isophorone	110	380		U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-DPW21-S12

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.B09069

Matrix: (soil/water) SOIL Lab Sample ID: 0609069-15

Sample wt/vol: 15.4 (g/mL) G Lab File ID: 0906915

% Moisture: 15 decanted: (Y/N) N Date Sampled: 09/12/06 09:15

Extraction: (SepF/Cont/Sonc/Soxh) SOXH Date Extracted:09/16/06

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 09/20/06 02:57

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	MDL	RL	CONC	Q
120-58-1	Isosafrole	110	380		U
143-50-0	Kepone	110	380		U
91-80-5	Methapyrilene	110	380		U
56-49-5	3-Methylcholanthrene	110	380		U
66-27-3	Methyl methanesulfonate	110	380		U
91-57-6	2-Methylnaphthalene	46	380		U
106-44-5	4-Methylphenol	110	380		U
108-39-4	3-Methylphenol	110	380		U
95-48-7	2-Methylphenol	110	380		U
91-20-3	Naphthalene	46	380		U
130-15-4	1,4-Naphthoquinone	110	380		U
134-32-7	1-Naphthylamine	110	380		U
91-59-8	2-Naphthylamine	110	380		U
88-74-4	2-Nitroaniline	110	1500		U
99-09-2	3-Nitroaniline	110	1500		U
100-01-6	4-Nitroaniline	110	1500		U
98-95-3	Nitrobenzene	110	380		U
88-75-5	2-Nitrophenol	110	380		U
100-02-7	4-Nitrophenol	110	1500		U
56-57-5	4-Nitroquinoline-1-oxide	110	380		U
924-16-3	N-Nitrosodi-n-butylamine	110	380		U
55-18-5	N-Nitrosodiethylamine	110	380		U
62-75-9	N-Nitroso-di-methylamine	110	380		U
86-30-6	N-Nitrosodiphenylamine (1)	110	380		U
621-64-7	N-Nitroso-di-n-propylamine	110	380		U
10595-95-6	N-Nitrosomethylethylamine	110	380		U
59-89-2	N-Nitrosomorpholine	110	380		U
100-75-4	N-Nitrosopiperidine	110	380		U
930-55-2	N-Nitrosopyrrolidine	110	380		U
99-55-8	5-Nitro-o-toluidine	110	380		U
608-93-5	Pentachlorobenzene	110	380		U
82-68-8	Pentachloronitrobenzene	110	380		U
76-01-7	Pentachloroethane	110	380		U

(1) - Cannot be separated from Diphenylamine

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-DPW21-S12

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.B09069

Matrix: (soil/water) SOIL Lab Sample ID: 0609069-15

Sample wt/vol: 15.4 (g/mL) G Lab File ID: 0906915

% Moisture: 15 decanted: (Y/N) N Date Sampled: 09/12/06 09:15

Extraction: (SepF/Cont/Sonc/Soxh) SOXH Date Extracted:09/16/06

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 09/20/06 02:57

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	MDL	RL	CONC	Q
87-86-5	Pentachlorophenol	110	1500		U
62-44-2	Phenacetin	110	380		U
85-01-8	Phenanthrene	46	380		U
108-95-2	Phenol	110	380		U
106-50-3	p-Phenylenediamine	110	380		U
109-06-8	2-Picoline	110	380		U
23950-58-5	Pronamide	110	380		U
129-00-0	Pyrene	46	380		U
110-86-1	Pyridine	110	1500		U
94-59-7	Safrole	110	380		U
95-94-3	1,2,4,5-Tetrachlorobenzene	110	380		U
58-90-2	2,3,4,6-Tetrachlorophenol	110	380		U
95-53-4	o-Toluidine	110	380		U
120-82-1	1,2,4-Trichlorobenzene	110	380		U
95-95-4	2,4,5-Trichlorophenol	110	380		U
88-06-2	2,4,6-Trichlorophenol	110	380		U
126-68-1	O,O,O-Triethylphosphorothioa	110	380		U
99-35-4	sym-Trinitrobenzene	110	380		U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-DPW23-S26

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.B09069

Matrix: (soil/water) SOIL Lab Sample ID: 0609069-16

Sample wt/vol: 15.9 (g/mL) G Lab File ID: 0906916

% Moisture: 7 decanted: (Y/N) N Date Sampled: 09/12/06 10:10

Extraction: (SepF/Cont/Sonc/Soxh) SOXH Date Extracted:09/16/06

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 09/20/06 04:40

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	MDL	RL	CONC	Q
83-32-9	Acenaphthene	40	340		U
208-96-8	Acenaphthylene	40	340		U
98-86-2	Acetophenone	100	340		U
53-96-3	2-Acetylaminofluorene	100	340		U
92-67-1	4-Aminobiphenyl	100	340		U
62-53-3	Aniline	100	340		U
140-57-8	Aramite	100	340		U
120-12-7	Anthracene	40	340		U
1912-24-9	Atrazine	100	340		U
100-52-7	Benzaldehyde	100	340		U
56-55-3	Benzo(a)anthracene	40	340		U
205-99-2	Benzo(b)fluoranthene	40	340		U
207-08-9	Benzo(k)fluoranthene	40	340		U
191-24-2	Benzo(g,h,i)perylene	40	340		U
50-32-8	Benzo(a)pyrene	40	340		U
100-51-6	Benzyl alcohol	100	340		U
92-52-4	1,1'-Biphenyl	100	340		U
111-91-1	bis(2-Chloroethoxy)methane	100	340		U
111-44-4	bis(2-Chloroethyl)ether	100	340		U
108-60-1	bis(2-Chloroisopropyl)ether	100	340		U
117-81-7	Bis(2-ethylhexyl)phthalate	100	340		U
101-55-3	4-Bromophenyl-phenylether	100	340		U
85-68-7	Butylbenzylphthalate	100	340		U
105-60-2	Caprolactam	100	340		U
86-74-8	Carbazole	40	340		U
106-47-8	4-Chloroaniline	100	340		U
510-15-6	Chlorobenzilate	100	340		U
59-50-7	4-Chloro-3-methylphenol	100	340		U
91-58-7	2-Chloronaphthalene	100	340		U
95-57-8	2-Chlorophenol	100	340		U
7005-72-3	4-Chlorophenyl-phenylether	100	340		U
218-01-9	Chrysene	40	340		U
2303-16-4	Diallate	100	340		U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-DPW23-S26

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.B09069

Matrix: (soil/water) SOIL Lab Sample ID: 0609069-16

Sample wt/vol: 15.9 (g/mL) G Lab File ID: 0906916

% Moisture: 7 decanted: (Y/N) N Date Sampled: 09/12/06 10:10

Extraction: (SepF/Cont/Sonc/Soxh) SOXH Date Extracted:09/16/06

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 09/20/06 04:40

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG MDL	RL	CONC	Q
53-70-3	Dibenz(a,h)anthracene	40	340		U
132-64-9	Dibenzofuran	100	340		U
91-94-1	3,3'-Dichlorobenzidine	150	340		U
120-83-2	2,4-Dichlorophenol	100	340		U
87-65-0	2,6-Dichlorophenol	100	340		U
84-66-2	Diethylphthalate	100	340		U
60-51-5	Dimethoate	100	340		U
60-11-7	p-(Dimethylamino)azobenzene	100	340		U
57-97-6	7,12-Dimethylbenz[a]anthrace	100	340		U
119-93-7	3,3'-Dimethylbenzidine	100	340		U
122-09-8	a,a-Dimethyl-phenethylamine	100	340		U
105-67-9	2,4-Dimethylphenol	100	1400		U
131-11-3	Dimethylphthalate	100	340		U
84-74-2	Di-n-butylphthalate	100	340		U
99-65-0	m-Dinitrobenzene	100	340		U
534-52-1	4,6-Dinitro-2-methylphenol	100	1400		U
51-28-5	2,4-Dinitrophenol	100	3400		U
121-14-2	2,4-Dinitrotoluene	100	340		U
606-20-2	2,6-Dinitrotoluene	100	340		U
117-84-0	Di-n-octylphthalate	100	340		U
122-39-4	Diphenylamine	100	340		U
62-50-0	Ethyl methanesulfonate	100	340		U
206-44-0	Fluoranthene	40	340		U
86-73-7	Fluorene	40	340		U
118-74-1	Hexachlorobenzene	100	340		U
87-68-3	Hexachlorobutadiene	100	340		U
77-47-4	Hexachlorocyclopentadiene	100	340		U
67-72-1	Hexachloroethane	100	340		U
70-30-4	Hexachlorophene	100	680		U
1888-71-7	Hexachloropropene	100	340		U
193-39-5	Indeno(1,2,3-cd)pyrene	40	340		U
465-73-6	Isodrin	100	340		U
78-59-1	Isophorone	100	340		U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-DPW23-S26

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.B09069

Matrix: (soil/water) SOIL Lab Sample ID: 0609069-16

Sample wt/vol: 15.9 (g/mL) G Lab File ID: 0906916

% Moisture: 7 decanted: (Y/N) N Date Sampled: 09/12/06 10:10

Extraction: (SepF/Cont/Sonc/Soxh) SOXH Date Extracted:09/16/06

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 09/20/06 04:40

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	MDL	RL	CONC	Q
120-58-1	Isosafrole	100	340		U
143-50-0	Kepone	100	340		U
91-80-5	Methapyrilene	100	340		U
56-49-5	3-Methylcholanthrene	100	340		U
66-27-3	Methyl methanesulfonate	100	340		U
91-57-6	2-Methylnaphthalene	40	340		U
106-44-5	4-Methylphenol	100	340		U
108-39-4	3-Methylphenol	100	340		U
95-48-7	2-Methylphenol	100	340		U
91-20-3	Naphthalene	40	340		U
130-15-4	1,4-Naphthoquinone	100	340		U
134-32-7	1-Naphthylamine	100	340		U
91-59-8	2-Naphthylamine	100	340		U
88-74-4	2-Nitroaniline	100	1400		U
99-09-2	3-Nitroaniline	100	1400		U
100-01-6	4-Nitroaniline	100	1400		U
98-95-3	Nitrobenzene	100	340		U
88-75-5	2-Nitrophenol	100	340		U
100-02-7	4-Nitrophenol	100	1400		U
56-57-5	4-Nitroquinoline-1-oxide	100	340		U
924-16-3	N-Nitrosodi-n-butylamine	100	340		U
55-18-5	N-Nitrosodiethylamine	100	340		U
62-75-9	N-Nitroso-di-methylamine	100	340		U
86-30-6	N-Nitrosodiphenylamine (1)	100	340		U
621-64-7	N-Nitroso-di-n-propylamine	100	340		U
10595-95-6	N-Nitrosomethylethylamine	100	340		U
59-89-2	N-Nitrosomorpholine	100	340		U
100-75-4	N-Nitrosopiperidine	100	340		U
930-55-2	N-Nitrosopyrrolidine	100	340		U
99-55-8	5-Nitro-o-toluidine	100	340		U
608-93-5	Pentachlorobenzene	100	340		U
82-68-8	Pentachloronitrobenzene	100	340		U
76-01-7	Pentachloroethane	100	340		U

(1) - Cannot be separated from Diphenylamine

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.
OLFS4-DPW23-S26

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.B09069

Matrix: (soil/water) SOIL Lab Sample ID: 0609069-16

Sample wt/vol: 15.9 (g/mL) G Lab File ID: 0906916

% Moisture: 7 decanted: (Y/N) N Date Sampled: 09/12/06 10:10

Extraction: (SepF/Cont/Sonc/Soxh) SOXH Date Extracted:09/16/06

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 09/20/06 04:40

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) MDL	RL	CONC	UG/KG Q
87-86-5	Pentachlorophenol	100	1400		U
62-44-2	Phenacetin	100	340		U
85-01-8	Phenanthrene	40	340		U
108-95-2	Phenol	100	340		U
106-50-3	p-Phenylenediamine	100	340		U
109-06-8	2-Picoline	100	340		U
23950-58-5	Pronamide	100	340		U
129-00-0	Pyrene	40	340		U
110-86-1	Pyridine	100	1400		U
94-59-7	Safrole	100	340		U
95-94-3	1,2,4,5-Tetrachlorobenzene	100	340		U
58-90-2	2,3,4,6-Tetrachlorophenol	100	340		U
95-53-4	o-Toluidine	100	340		U
120-82-1	1,2,4-Trichlorobenzene	100	340		U
95-95-4	2,4,5-Trichlorophenol	100	340		U
88-06-2	2,4,6-Trichlorophenol	100	340		U
126-68-1	O,O,O-Triethylphosphorothioa	100	340		U
99-35-4	sym-Trinitrobenzene	100	340		U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-DPW24-S26

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.B09069

Matrix: (soil/water) SOIL Lab Sample ID: 0609069-17

Sample wt/vol: 15.5 (g/mL) G Lab File ID: 0906917

% Moisture: 7 decanted: (Y/N) N Date Sampled: 09/12/06 10:43

Extraction: (SepF/Cont/Sonc/Soxh) SOXH Date Extracted:09/16/06

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 09/20/06 05:15

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	MDL	RL	CONC	Q
83-32-9	Acenaphthene	41	340		U
208-96-8	Acenaphthylene	41	340		U
98-86-2	Acetophenone	100	340		U
53-96-3	2-Acetylaminofluorene	100	340		U
92-67-1	4-Aminobiphenyl	100	340		U
62-53-3	Aniline	100	340		U
140-57-8	Aramite	100	340		U
120-12-7	Anthracene	41	340		U
1912-24-9	Atrazine	100	340		U
100-52-7	Benzaldehyde	100	340		U
56-55-3	Benzo(a)anthracene	41	340		U
205-99-2	Benzo(b)fluoranthene	41	340		U
207-08-9	Benzo(k)fluoranthene	41	340		U
191-24-2	Benzo(g,h,i)perylene	41	340		U
50-32-8	Benzo(a)pyrene	41	340		U
100-51-6	Benzyl alcohol	100	340		U
92-52-4	1,1'-Biphenyl	100	340		U
111-91-1	bis(2-Chloroethoxy)methane	100	340		U
111-44-4	bis(2-Chloroethyl)ether	100	340		U
108-60-1	bis(2-Chloroisopropyl)ether	100	340		U
117-81-7	Bis(2-ethylhexyl)phthalate	100	340		U
101-55-3	4-Bromophenyl-phenylether	100	340		U
85-68-7	Butylbenzylphthalate	100	340		U
105-60-2	Caprolactam	100	340		U
86-74-8	Carbazole	41	340		U
106-47-8	4-Chloroaniline	100	340		U
510-15-6	Chlorobenzilate	100	340		U
59-50-7	4-Chloro-3-methylphenol	100	340		U
91-58-7	2-Chloronaphthalene	100	340		U
95-57-8	2-Chlorophenol	100	340		U
7005-72-3	4-Chlorophenyl-phenylether	100	340		U
218-01-9	Chrysene	41	340		U
2303-16-4	Diallate	100	340		U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.
OLFS4-DPW24-S26

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.B09069

Matrix: (soil/water) SOIL Lab Sample ID: 0609069-17

Sample wt/vol: 15.5 (g/mL) G Lab File ID: 0906917

% Moisture: 7 decanted: (Y/N) N Date Sampled: 09/12/06 10:43

Extraction: (SepF/Cont/Sonc/Soxh) SOXH Date Extracted:09/16/06

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 09/20/06 05:15

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	MDL	RL	CONC	Q
53-70-3	Dibenz(a,h)anthracene	41	340		U
132-64-9	Dibenzofuran	100	340		U
91-94-1	3,3'-Dichlorobenzidine	160	340		U
120-83-2	2,4-Dichlorophenol	100	340		U
87-65-0	2,6-Dichlorophenol	100	340		U
84-66-2	Diethylphthalate	100	340		U
60-51-5	Dimethoate	100	340		U
60-11-7	p-(Dimethylamino)azobenzene	100	340		U
57-97-6	7,12-Dimethylbenz[a]anthrace	100	340		U
119-93-7	3,3'-Dimethylbenzidine	100	340		U
122-09-8	a,a-Dimethyl-phenethylamine	100	340		U
105-67-9	2,4-Dimethylphenol	100	1400		U
131-11-3	Dimethylphthalate	100	340		U
84-74-2	Di-n-butylphthalate	100	340		U
99-65-0	m-Dinitrobenzene	100	340		U
534-52-1	4,6-Dinitro-2-methylphenol	100	1400		U
51-28-5	2,4-Dinitrophenol	100	3400		U
121-14-2	2,4-Dinitrotoluene	100	340		U
606-20-2	2,6-Dinitrotoluene	100	340		U
117-84-0	Di-n-octylphthalate	100	340		U
122-39-4	Diphenylamine	100	340		U
62-50-0	Ethyl methanesulfonate	100	340		U
206-44-0	Fluoranthene	41	340		U
86-73-7	Fluorene	41	340		U
118-74-1	Hexachlorobenzene	100	340		U
87-68-3	Hexachlorobutadiene	100	340		U
77-47-4	Hexachlorocyclopentadiene	100	340		U
67-72-1	Hexachloroethane	100	340		U
70-30-4	Hexachlorophene	100	690		U
1888-71-7	Hexachloropropene	100	340		U
193-39-5	Indeno(1,2,3-cd)pyrene	41	340		U
465-73-6	Isodrin	100	340		U
78-59-1	Isophorone	100	340		U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.
OLFS4-DPW24-S26

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.B09069

Matrix: (soil/water) SOIL Lab Sample ID: 0609069-17

Sample wt/vol: 15.5 (g/mL) G Lab File ID: 0906917

% Moisture: 7 decanted: (Y/N) N Date Sampled: 09/12/06 10:43

Extraction: (SepF/Cont/Sonc/Soxh) SOXH Date Extracted:09/16/06

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 09/20/06 05:15

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG MDL	RL	CONC	Q
120-58-1	Isosafrole	100	340		U
143-50-0	Kepone	100	340		U
91-80-5	Methapyrilene	100	340		U
56-49-5	3-Methylcholanthrene	100	340		U
66-27-3	Methyl methanesulfonate	100	340		U
91-57-6	2-Methylnaphthalene	41	340		U
106-44-5	4-Methylphenol	100	340		U
108-39-4	3-Methylphenol	100	340		U
95-48-7	2-Methylphenol	100	340		U
91-20-3	Naphthalene	41	340		U
130-15-4	1,4-Naphthoquinone	100	340		U
134-32-7	1-Naphthylamine	100	340		U
91-59-8	2-Naphthylamine	100	340		U
88-74-4	2-Nitroaniline	100	1400		U
99-09-2	3-Nitroaniline	100	1400		U
100-01-6	4-Nitroaniline	100	1400		U
98-95-3	Nitrobenzene	100	340		U
88-75-5	2-Nitrophenol	100	340		U
100-02-7	4-Nitrophenol	100	1400		U
56-57-5	4-Nitroquinoline-1-oxide	100	340		U
924-16-3	N-Nitrosodi-n-butylamine	100	340		U
55-18-5	N-Nitrosodiethylamine	100	340		U
62-75-9	N-Nitroso-di-methylamine	100	340		U
86-30-6	N-Nitrosodiphenylamine (1)	100	340		U
621-64-7	N-Nitroso-di-n-propylamine	100	340		U
10595-95-6	N-Nitrosomethylethylamine	100	340		U
59-89-2	N-Nitrosomorpholine	100	340		U
100-75-4	N-Nitrosopiperidine	100	340		U
930-55-2	N-Nitrosopyrrolidine	100	340		U
99-55-8	5-Nitro-o-toluidine	100	340		U
608-93-5	Pentachlorobenzene	100	340		U
82-68-8	Pentachloronitrobenzene	100	340		U
76-01-7	Pentachloroethane	100	340		U

(1) - Cannot be separated from Diphenylamine

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.
OLFS4-DPW24-S26

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.B09069

Matrix: (soil/water) SOIL Lab Sample ID: 0609069-17

Sample wt/vol: 15.5 (g/mL) G Lab File ID: 0906917

% Moisture: 7 decanted: (Y/N) N Date Sampled: 09/12/06 10:43

Extraction: (SepF/Cont/Sonc/Soxh) SOXH Date Extracted:09/16/06

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 09/20/06 05:15

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	MDL	RL	CONC	Q
87-86-5	Pentachlorophenol	100	1400		U
62-44-2	Phenacetin	100	340		U
85-01-8	Phenanthrene	41	340		U
108-95-2	Phenol	100	340		U
106-50-3	p-Phenylenediamine	100	340		U
109-06-8	2-Picoline	100	340		U
23950-58-5	Pronamide	100	340		U
129-00-0	Pyrene	41	340		U
110-86-1	Pyridine	100	1400		U
94-59-7	Safrole	100	340		U
95-94-3	1,2,4,5-Tetrachlorobenzene	100	340		U
58-90-2	2,3,4,6-Tetrachlorophenol	100	340		U
95-53-4	o-Toluidine	100	340		U
120-82-1	1,2,4-Trichlorobenzene	100	340		U
95-95-4	2,4,5-Trichlorophenol	100	340		U
88-06-2	2,4,6-Trichlorophenol	100	340		U
126-68-1	O,O,O-Triethylphosphorothioa	100	340		U
99-35-4	sym-Trinitrobenzene	100	340		U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-DPW2-S10

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.B09069

Matrix: (soil/water) SOIL Lab Sample ID: 0609069-19

Sample wt/vol: 14.9 (g/mL) G Lab File ID: 0906919

% Moisture: 10 decanted: (Y/N) N Date Sampled: 09/12/06 08:15

Extraction: (SepF/Cont/Sonc/Soxh) SOXH Date Extracted:09/16/06

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 09/20/06 05:50

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	MDL	RL	CONC	Q
83-32-9	Acenaphthene	45	370		U
208-96-8	Acenaphthylene	45	370		U
98-86-2	Acetophenone	110	370		U
53-96-3	2-Acetylaminofluorene	110	370		U
92-67-1	4-Aminobiphenyl	110	370		U
62-53-3	Aniline	110	370		U
140-57-8	Aramite	110	370		U
120-12-7	Anthracene	45	370		U
1912-24-9	Atrazine	110	370		U
100-52-7	Benzaldehyde	110	370		U
56-55-3	Benzo(a)anthracene	45	370		U
205-99-2	Benzo(b)fluoranthene	45	370		U
207-08-9	Benzo(k)fluoranthene	45	370		U
191-24-2	Benzo(g,h,i)perylene	45	370		U
50-32-8	Benzo(a)pyrene	45	370		U
100-51-6	Benzyl alcohol	110	370		U
92-52-4	1,1'-Biphenyl	110	370		U
111-91-1	bis(2-Chloroethoxy)methane	110	370		U
111-44-4	bis(2-Chloroethyl)ether	110	370		U
108-60-1	bis(2-Chloroisopropyl)ether	110	370		U
117-81-7	Bis(2-ethylhexyl)phthalate	110	370		U
101-55-3	4-Bromophenyl-phenylether	110	370		U
85-68-7	Butylbenzylphthalate	110	370		U
105-60-2	Caprolactam	110	370		U
86-74-8	Carbazole	45	370		U
106-47-8	4-Chloroaniline	110	370		U
510-15-6	Chlorobenzilate	110	370		U
59-50-7	4-Chloro-3-methylphenol	110	370		U
91-58-7	2-Chloronaphthalene	110	370		U
95-57-8	2-Chlorophenol	110	370		U
7005-72-3	4-Chlorophenyl-phenylether	110	370		U
218-01-9	Chrysene	45	370		U
2303-16-4	Diallate	110	370		U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-DPW2-S10

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.B09069

Matrix: (soil/water) SOIL Lab Sample ID: 0609069-19

Sample wt/vol: 14.9 (g/mL) G Lab File ID: 0906919

% Moisture: 10 decanted: (Y/N) N Date Sampled: 09/12/06 08:15

Extraction: (SepF/Cont/Sonc/Soxh) SOXH Date Extracted:09/16/06

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 09/20/06 05:50

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG MDL	RL	CONC	Q
53-70-3	Dibenz(a,h)anthracene	45	370		U
132-64-9	Dibenzofuran	110	370		U
91-94-1	3,3'-Dichlorobenzidine	170	370		U
120-83-2	2,4-Dichlorophenol	110	370		U
87-65-0	2,6-Dichlorophenol	110	370		U
84-66-2	Diethylphthalate	110	370		U
60-51-5	Dimethoate	110	370		U
60-11-7	p-(Dimethylamino)azobenzene	110	370		U
57-97-6	7,12-Dimethylbenz[a]anthrace	110	370		U
119-93-7	3,3'-Dimethylbenzidine	110	370		U
122-09-8	a,a-Dimethyl-phenethylamine	110	370		U
105-67-9	2,4-Dimethylphenol	110	1500		U
131-11-3	Dimethylphthalate	110	370		U
84-74-2	Di-n-butylphthalate	110	370		U
99-65-0	m-Dinitrobenzene	110	370		U
534-52-1	4,6-Dinitro-2-methylphenol	110	1500		U
51-28-5	2,4-Dinitrophenol	110	3700		U
121-14-2	2,4-Dinitrotoluene	110	370		U
606-20-2	2,6-Dinitrotoluene	110	370		U
117-84-0	Di-n-octylphthalate	110	370		U
122-39-4	Diphenylamine	110	370		U
62-50-0	Ethyl methanesulfonate	110	370		U
206-44-0	Fluoranthene	45	370		U
86-73-7	Fluorene	45	370		U
118-74-1	Hexachlorobenzene	110	370		U
87-68-3	Hexachlorobutadiene	110	370		U
77-47-4	Hexachlorocyclopentadiene	110	370		U
67-72-1	Hexachloroethane	110	370		U
70-30-4	Hexachlorophene	110	740		U
1888-71-7	Hexachloropropene	110	370		U
193-39-5	Indeno(1,2,3-cd)pyrene	45	370		U
465-73-6	Isodrin	110	370		U
78-59-1	Isophorone	110	370		U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-DPW2-S10

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.B09069

Matrix: (soil/water) SOIL Lab Sample ID: 0609069-19

Sample wt/vol: 14.9 (g/mL) G Lab File ID: 0906919

% Moisture: 10 decanted: (Y/N) N Date Sampled: 09/12/06 08:15

Extraction: (SepF/Cont/Sonc/Soxh) SOXH Date Extracted:09/16/06

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 09/20/06 05:50

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	MDL	RL	CONC	Q
120-58-1	Isosafrole	110	370		U
143-50-0	Kepone	110	370		U
91-80-5	Methapyrilene	110	370		U
56-49-5	3-Methylcholanthrene	110	370		U
66-27-3	Methyl methanesulfonate	110	370		U
91-57-6	2-Methylnaphthalene	45	370		U
106-44-5	4-Methylphenol	110	370		U
108-39-4	3-Methylphenol	110	370		U
95-48-7	2-Methylphenol	110	370		U
91-20-3	Naphthalene	45	370		U
130-15-4	1,4-Naphthoquinone	110	370		U
134-32-7	1-Naphthylamine	110	370		U
91-59-8	2-Naphthylamine	110	370		U
88-74-4	2-Nitroaniline	110	1500		U
99-09-2	3-Nitroaniline	110	1500		U
100-01-6	4-Nitroaniline	110	1500		U
98-95-3	Nitrobenzene	110	370		U
88-75-5	2-Nitrophenol	110	370		U
100-02-7	4-Nitrophenol	110	1500		U
56-57-5	4-Nitroquinoline-1-oxide	110	370		U
924-16-3	N-Nitrosodi-n-butylamine	110	370		U
55-18-5	N-Nitrosodiethylamine	110	370		U
62-75-9	N-Nitroso-di-methylamine	110	370		U
86-30-6	N-Nitrosodiphenylamine (1)	110	370		U
621-64-7	N-Nitroso-di-n-propylamine	110	370		U
10595-95-6	N-Nitrosomethylethylamine	110	370		U
59-89-2	N-Nitrosomorpholine	110	370		U
100-75-4	N-Nitrosopiperidine	110	370		U
930-55-2	N-Nitrosopyrrolidine	110	370		U
99-55-8	5-Nitro-o-toluidine	110	370		U
608-93-5	Pentachlorobenzene	110	370		U
82-68-8	Pentachloronitrobenzene	110	370		U
76-01-7	Pentachloroethane	110	370		U

(1) - Cannot be separated from Diphenylamine

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-DPW2-S10

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.B09069

Matrix: (soil/water) SOIL Lab Sample ID: 0609069-19

Sample wt/vol: 14.9 (g/mL) G Lab File ID: 0906919

% Moisture: 10 decanted: (Y/N) N Date Sampled: 09/12/06 08:15

Extraction: (SepF/Cont/Sonc/Soxh) SOXH Date Extracted:09/16/06

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 09/20/06 05:50

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	MDL	RL	CONC	Q
87-86-5	Pentachlorophenol	110	1500		U
62-44-2	Phenacetin	110	370		U
85-01-8	Phenanthrene	45	370		U
108-95-2	Phenol	110	370		U
106-50-3	p-Phenylenediamine	110	370		U
109-06-8	2-Picoline	110	370		U
23950-58-5	Pronamide	110	370		U
129-00-0	Pyrene	45	370		U
110-86-1	Pyridine	110	1500		U
94-59-7	Safrole	110	370		U
95-94-3	1,2,4,5-Tetrachlorobenzene	110	370		U
58-90-2	2,3,4,6-Tetrachlorophenol	110	370		U
95-53-4	o-Toluidine	110	370		U
120-82-1	1,2,4-Trichlorobenzene	110	370		U
95-95-4	2,4,5-Trichlorophenol	110	370		U
88-06-2	2,4,6-Trichlorophenol	110	370		U
126-68-1	O,O,O-Triethylphosphorothioa	110	370		U
99-35-4	sym-Trinitrobenzene	110	370		U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-DPW3-S10

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.B09069

Matrix: (soil/water) SOIL Lab Sample ID: 0609069-20

Sample wt/vol: 15.6 (g/mL) G Lab File ID: 0906920

% Moisture: 7 decanted: (Y/N) N Date Sampled: 09/12/06 08:30

Extraction: (SepF/Cont/Sonc/Soxh) SOXH Date Extracted:09/16/06

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 09/20/06 06:24

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	MDL	RL	CONC	Q
83-32-9	Acenaphthene	41	340		U
208-96-8	Acenaphthylene	41	340		U
98-86-2	Acetophenone	100	340		U
53-96-3	2-Acetylaminofluorene	100	340		U
92-67-1	4-Aminobiphenyl	100	340		U
62-53-3	Aniline	100	340		U
140-57-8	Aramite	100	340		U
120-12-7	Anthracene	41	340		U
1912-24-9	Atrazine	100	340		U
100-52-7	Benzaldehyde	100	340		U
56-55-3	Benzo(a)anthracene	41	340		U
205-99-2	Benzo(b)fluoranthene	41	340		U
207-08-9	Benzo(k)fluoranthene	41	340		U
191-24-2	Benzo(g,h,i)perylene	41	340		U
50-32-8	Benzo(a)pyrene	41	340		U
100-51-6	Benzyl alcohol	100	340		U
92-52-4	1,1'-Biphenyl	100	340		U
111-91-1	bis(2-Chloroethoxy)methane	100	340		U
111-44-4	bis(2-Chloroethyl)ether	100	340		U
108-60-1	bis(2-Chloroisopropyl)ether	100	340		U
117-81-7	Bis(2-ethylhexyl)phthalate	100	340		U
101-55-3	4-Bromophenyl-phenylether	100	340		U
85-68-7	Butylbenzylphthalate	100	340		U
105-60-2	Caprolactam	100	340		U
86-74-8	Carbazole	41	340		U
106-47-8	4-Chloroaniline	100	340		U
510-15-6	Chlorobenzilate	100	340		U
59-50-7	4-Chloro-3-methylphenol	100	340		U
91-58-7	2-Chloronaphthalene	100	340		U
95-57-8	2-Chlorophenol	100	340		U
7005-72-3	4-Chlorophenyl-phenylether	100	340		U
218-01-9	Chrysene	41	340		U
2303-16-4	Diallate	100	340		U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-DPW3-S10

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.B09069

Matrix: (soil/water) SOIL Lab Sample ID: 0609069-20

Sample wt/vol: 15.6 (g/mL) G Lab File ID: 0906920

% Moisture: 7 decanted: (Y/N) N Date Sampled: 09/12/06 08:30

Extraction: (SepF/Cont/Sonc/Soxh) SOXH Date Extracted:09/16/06

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 09/20/06 06:24

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	MDL	RL	CONC	Q
53-70-3	Dibenz(a,h)anthracene	41	340		U
132-64-9	Dibenzofuran	100	340		U
91-94-1	3,3'-Dichlorobenzidine	160	340		U
120-83-2	2,4-Dichlorophenol	100	340		U
87-65-0	2,6-Dichlorophenol	100	340		U
84-66-2	Diethylphthalate	100	340		U
60-51-5	Dimethoate	100	340		U
60-11-7	p-(Dimethylamino)azobenzene	100	340		U
57-97-6	7,12-Dimethylbenz[a]anthrace	100	340		U
119-93-7	3,3'-Dimethylbenzidine	100	340		U
122-09-8	a,a-Dimethyl-phenethylamine	100	340		U
105-67-9	2,4-Dimethylphenol	100	1400		U
131-11-3	Dimethylphthalate	100	340		U
84-74-2	Di-n-butylphthalate	100	340		U
99-65-0	m-Dinitrobenzene	100	340		U
534-52-1	4,6-Dinitro-2-methylphenol	100	1400		U
51-28-5	2,4-Dinitrophenol	100	3400		U
121-14-2	2,4-Dinitrotoluene	100	340		U
606-20-2	2,6-Dinitrotoluene	100	340		U
117-84-0	Di-n-octylphthalate	100	340		U
122-39-4	Diphenylamine	100	340		U
62-50-0	Ethyl methanesulfonate	100	340		U
206-44-0	Fluoranthene	41	340		U
86-73-7	Fluorene	41	340		U
118-74-1	Hexachlorobenzene	100	340		U
87-68-3	Hexachlorobutadiene	100	340		U
77-47-4	Hexachlorocyclopentadiene	100	340		U
67-72-1	Hexachloroethane	100	340		U
70-30-4	Hexachlorophene	100	690		U
1888-71-7	Hexachloropropene	100	340		U
193-39-5	Indeno(1,2,3-cd)pyrene	41	340		U
465-73-6	Isodrin	100	340		U
78-59-1	Isophorone	100	340		U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-DPW3-S10

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.B09069

Matrix: (soil/water) SOIL Lab Sample ID: 0609069-20

Sample wt/vol: 15.6 (g/mL) G Lab File ID: 0906920

% Moisture: 7 decanted: (Y/N) N Date Sampled: 09/12/06 08:30

Extraction: (SepF/Cont/Sonc/Soxh) SOXH Date Extracted:09/16/06

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 09/20/06 06:24

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	MDL	RL	CONC	Q
120-58-1	Isosafrole	100	340		U
143-50-0	Kepone	100	340		U
91-80-5	Methapyrilene	100	340		U
56-49-5	3-Methylcholanthrene	100	340		U
66-27-3	Methyl methanesulfonate	100	340		U
91-57-6	2-Methylnaphthalene	41	340		U
106-44-5	4-Methylphenol	100	340		U
108-39-4	3-Methylphenol	100	340		U
95-48-7	2-Methylphenol	100	340		U
91-20-3	Naphthalene	41	340		U
130-15-4	1,4-Naphthoquinone	100	340		U
134-32-7	1-Naphthylamine	100	340		U
91-59-8	2-Naphthylamine	100	340		U
88-74-4	2-Nitroaniline	100	1400		U
99-09-2	3-Nitroaniline	100	1400		U
100-01-6	4-Nitroaniline	100	1400		U
98-95-3	Nitrobenzene	100	340		U
88-75-5	2-Nitrophenol	100	340		U
100-02-7	4-Nitrophenol	100	1400		U
56-57-5	4-Nitroquinoline-1-oxide	100	340		U
924-16-3	N-Nitrosodi-n-butylamine	100	340		U
55-18-5	N-Nitrosodiethylamine	100	340		U
62-75-9	N-Nitroso-di-methylamine	100	340		U
86-30-6	N-Nitrosodiphenylamine (1)	100	340		U
621-64-7	N-Nitroso-di-n-propylamine	100	340		U
10595-95-6	N-Nitrosomethylethylamine	100	340		U
59-89-2	N-Nitrosomorpholine	100	340		U
100-75-4	N-Nitrosopiperidine	100	340		U
930-55-2	N-Nitrosopyrrolidine	100	340		U
99-55-8	5-Nitro-o-toluidine	100	340		U
608-93-5	Pentachlorobenzene	100	340		U
82-68-8	Pentachloronitrobenzene	100	340		U
76-01-7	Pentachloroethane	100	340		U

(1) - Cannot be separated from Diphenylamine

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-DPW3-S10

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.B09069

Matrix: (soil/water) SOIL Lab Sample ID: 0609069-20

Sample wt/vol: 15.6 (g/mL) G Lab File ID: 0906920

% Moisture: 7 decanted: (Y/N) N Date Sampled: 09/12/06 08:30

Extraction: (SepF/Cont/Sonc/Soxh) SOXH Date Extracted:09/16/06

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 09/20/06 06:24

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	MDL	RL	CONC	Q
87-86-5	Pentachlorophenol	100	1400		U
62-44-2	Phenacetin	100	340		U
85-01-8	Phenanthrene	41	340		U
108-95-2	Phenol	100	340		U
106-50-3	p-Phenylenediamine	100	340		U
109-06-8	2-Picoline	100	340		U
23950-58-5	Pronamide	100	340		U
129-00-0	Pyrene	41	340		U
110-86-1	Pyridine	100	1400		U
94-59-7	Safrole	100	340		U
95-94-3	1,2,4,5-Tetrachlorobenzene	100	340		U
58-90-2	2,3,4,6-Tetrachlorophenol	100	340		U
95-53-4	o-Toluidine	100	340		U
120-82-1	1,2,4-Trichlorobenzene	100	340		U
95-95-4	2,4,5-Trichlorophenol	100	340		U
88-06-2	2,4,6-Trichlorophenol	100	340		U
126-68-1	O,O,O-Triethylphosphorothioa	100	340		U
99-35-4	sym-Trinitrobenzene	100	340		U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-DPW4-S10

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.B09069

Matrix: (soil/water) SOIL Lab Sample ID: 0609069-21

Sample wt/vol: 15.3 (g/mL) G Lab File ID: 0906921

% Moisture: 5 decanted: (Y/N) N Date Sampled: 09/12/06 09:00

Extraction: (SepF/Cont/Sonc/Soxh) SOXH Date Extracted:09/16/06

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 09/20/06 06:59

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	MDL	RL	CONC	Q
83-32-9	Acenaphthene	41	340		U
208-96-8	Acenaphthylene	41	340		U
98-86-2	Acetophenone	100	340		U
53-96-3	2-Acetylaminofluorene	100	340		U
92-67-1	4-Aminobiphenyl	100	340		U
62-53-3	Aniline	100	340		U
140-57-8	Aramite	100	340		U
120-12-7	Anthracene	41	340		U
1912-24-9	Atrazine	100	340		U
100-52-7	Benzaldehyde	100	340		U
56-55-3	Benzo(a)anthracene	41	340		U
205-99-2	Benzo(b)fluoranthene	41	340		U
207-08-9	Benzo(k)fluoranthene	41	340		U
191-24-2	Benzo(g,h,i)perylene	41	340		U
50-32-8	Benzo(a)pyrene	41	340		U
100-51-6	Benzyl alcohol	100	340		U
92-52-4	1,1'-Biphenyl	100	340		U
111-91-1	bis(2-Chloroethoxy)methane	100	340		U
111-44-4	bis(2-Chloroethyl)ether	100	340		U
108-60-1	bis(2-Chloroisopropyl)ether	100	340		U
117-81-7	Bis(2-ethylhexyl)phthalate	100	340		U
101-55-3	4-Bromophenyl-phenylether	100	340		U
85-68-7	Butylbenzylphthalate	100	340		U
105-60-2	Caprolactam	100	340		U
86-74-8	Carbazole	41	340		U
106-47-8	4-Chloroaniline	100	340		U
510-15-6	Chlorobenzilate	100	340		U
59-50-7	4-Chloro-3-methylphenol	100	340		U
91-58-7	2-Chloronaphthalene	100	340		U
95-57-8	2-Chlorophenol	100	340		U
7005-72-3	4-Chlorophenyl-phenylether	100	340		U
218-01-9	Chrysene	41	340		U
2303-16-4	Diallate	100	340		U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-DPW4-S10

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.B09069

Matrix: (soil/water) SOIL Lab Sample ID: 0609069-21

Sample wt/vol: 15.3 (g/mL) G Lab File ID: 0906921

% Moisture: 5 decanted: (Y/N) N Date Sampled: 09/12/06 09:00

Extraction: (SepF/Cont/Sonc/Soxh) SOXH Date Extracted:09/16/06

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 09/20/06 06:59

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	MDL	RL	CONC	Q
53-70-3	Dibenz(a,h)anthracene	41	340		U
132-64-9	Dibenzofuran	100	340		U
91-94-1	3,3'-Dichlorobenzidine	150	340		U
120-83-2	2,4-Dichlorophenol	100	340		U
87-65-0	2,6-Dichlorophenol	100	340		U
84-66-2	Diethylphthalate	100	340		U
60-51-5	Dimethoate	100	340		U
60-11-7	p-(Dimethylamino)azobenzene	100	340		U
57-97-6	7,12-Dimethylbenz[a]anthrace	100	340		U
119-93-7	3,3'-Dimethylbenzidine	100	340		U
122-09-8	a,a-Dimethyl-phenethylamine	100	340		U
105-67-9	2,4-Dimethylphenol	100	1400		U
131-11-3	Dimethylphthalate	100	340		U
84-74-2	Di-n-butylphthalate	100	340		U
99-65-0	m-Dinitrobenzene	100	340		U
534-52-1	4,6-Dinitro-2-methylphenol	100	1400		U
51-28-5	2,4-Dinitrophenol	100	3400		U
121-14-2	2,4-Dinitrotoluene	100	340		U
606-20-2	2,6-Dinitrotoluene	100	340		U
117-84-0	Di-n-octylphthalate	100	340		U
122-39-4	Diphenylamine	100	340		U
62-50-0	Ethyl methanesulfonate	100	340		U
206-44-0	Fluoranthene	41	340		U
86-73-7	Fluorene	41	340		U
118-74-1	Hexachlorobenzene	100	340		U
87-68-3	Hexachlorobutadiene	100	340		U
77-47-4	Hexachlorocyclopentadiene	100	340		U
67-72-1	Hexachloroethane	100	340		U
70-30-4	Hexachlorophene	100	690		U
1888-71-7	Hexachloropropene	100	340		U
193-39-5	Indeno(1,2,3-cd)pyrene	41	340		U
465-73-6	Isodrin	100	340		U
78-59-1	Isophorone	100	340		U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-DPW4-S10

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.B09069

Matrix: (soil/water) SOIL Lab Sample ID: 0609069-21

Sample wt/vol: 15.3 (g/mL) G Lab File ID: 0906921

% Moisture: 5 decanted: (Y/N) N Date Sampled: 09/12/06 09:00

Extraction: (SepF/Cont/Sonc/Soxh) SOXH Date Extracted:09/16/06

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 09/20/06 06:59

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	MDL	RL	CONC	Q
120-58-1	Isosafrole	100	340		U
143-50-0	Kepone	100	340		U
91-80-5	Methapyrilene	100	340		U
56-49-5	3-Methylcholanthrene	100	340		U
66-27-3	Methyl methanesulfonate	100	340		U
91-57-6	2-Methylnaphthalene	41	340		U
106-44-5	4-Methylphenol	100	340		U
108-39-4	3-Methylphenol	100	340		U
95-48-7	2-Methylphenol	100	340		U
91-20-3	Naphthalene	41	340		U
130-15-4	1,4-Naphthoquinone	100	340		U
134-32-7	1-Naphthylamine	100	340		U
91-59-8	2-Naphthylamine	100	340		U
88-74-4	2-Nitroaniline	100	1400		U
99-09-2	3-Nitroaniline	100	1400		U
100-01-6	4-Nitroaniline	100	1400		U
98-95-3	Nitrobenzene	100	340		U
88-75-5	2-Nitrophenol	100	340		U
100-02-7	4-Nitrophenol	100	1400		U
56-57-5	4-Nitroquinoline-1-oxide	100	340		U
924-16-3	N-Nitrosodi-n-butylamine	100	340		U
55-18-5	N-Nitrosodiethylamine	100	340		U
62-75-9	N-Nitroso-di-methylamine	100	340		U
86-30-6	N-Nitrosodiphenylamine (1)	100	340		U
621-64-7	N-Nitroso-di-n-propylamine	100	340		U
10595-95-6	N-Nitrosomethylethylamine	100	340		U
59-89-2	N-Nitrosomorpholine	100	340		U
100-75-4	N-Nitrosopiperidine	100	340		U
930-55-2	N-Nitrosopyrrolidine	100	340		U
99-55-8	5-Nitro-o-toluidine	100	340		U
608-93-5	Pentachlorobenzene	100	340		U
82-68-8	Pentachloronitrobenzene	100	340		U
76-01-7	Pentachloroethane	100	340		U

(1) - Cannot be separated from Diphenylamine

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-DPW4-S10

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.B09069

Matrix: (soil/water) SOIL Lab Sample ID: 0609069-21

Sample wt/vol: 15.3 (g/mL) G Lab File ID: 0906921

% Moisture: 5 decanted: (Y/N) N Date Sampled: 09/12/06 09:00

Extraction: (SepF/Cont/Sonc/Soxh) SOXH Date Extracted:09/16/06

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 09/20/06 06:59

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	MDL	RL	CONC	Q
87-86-5	Pentachlorophenol	100	1400		U
62-44-2	Phenacetin	100	340		U
85-01-8	Phenanthrene	41	340		U
108-95-2	Phenol	100	340		U
106-50-3	p-Phenylenediamine	100	340		U
109-06-8	2-Picoline	100	340		U
23950-58-5	Pronamide	100	340		U
129-00-0	Pyrene	41	340		U
110-86-1	Pyridine	100	1400		U
94-59-7	Safrole	100	340		U
95-94-3	1,2,4,5-Tetrachlorobenzene	100	340		U
58-90-2	2,3,4,6-Tetrachlorophenol	100	340		U
95-53-4	o-Toluidine	100	340		U
120-82-1	1,2,4-Trichlorobenzene	100	340		U
95-95-4	2,4,5-Trichlorophenol	100	340		U
88-06-2	2,4,6-Trichlorophenol	100	340		U
126-68-1	O,O,O-Triethylphosphorothioa	100	340		U
99-35-4	sym-Trinitrobenzene	100	340		U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-DPW5-S10

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.B09069

Matrix: (soil/water) SOIL Lab Sample ID: 0609069-22

Sample wt/vol: 15.1 (g/mL) G Lab File ID: 0906922

% Moisture: 19 decanted: (Y/N) N Date Sampled: 09/12/06 09:20

Extraction: (SepF/Cont/Sonc/Soxh) SOXH Date Extracted:09/24/06

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 09/28/06 15:58

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	MDL	RL	CONC	Q
83-32-9	Acenaphthene	49	410		U
208-96-8	Acenaphthylene	49	410		U
98-86-2	Acetophenone	120	410		U
53-96-3	2-Acetylaminofluorene	120	410		U
92-67-1	4-Aminobiphenyl	120	410		U
62-53-3	Aniline	120	410		U
140-57-8	Aramite	120	410		U
120-12-7	Anthracene	49	410		U
1912-24-9	Atrazine	120	410		U
100-52-7	Benzaldehyde	120	410		U
56-55-3	Benzo(a)anthracene	49	410		U
205-99-2	Benzo(b)fluoranthene	49	410		U
207-08-9	Benzo(k)fluoranthene	49	410		U
191-24-2	Benzo(g,h,i)perylene	49	410		U
50-32-8	Benzo(a)pyrene	49	410		U
100-51-6	Benzyl alcohol	120	410		U
92-52-4	1,1'-Biphenyl	120	410		U
111-91-1	bis(2-Chloroethoxy)methane	120	410		U
111-44-4	bis(2-Chloroethyl)ether	120	410		U
108-60-1	bis(2-Chloroisopropyl)ether	120	410		U
117-81-7	Bis(2-ethylhexyl)phthalate	120	410		U
101-55-3	4-Bromophenyl-phenylether	120	410		U
85-68-7	Butylbenzylphthalate	120	410		U
105-60-2	Caprolactam	120	410		U
86-74-8	Carbazole	49	410		U
106-47-8	4-Chloroaniline	120	410		U
510-15-6	Chlorobenzilate	120	410		U
59-50-7	4-Chloro-3-methylphenol	120	410		U
91-58-7	2-Chloronaphthalene	120	410		U
95-57-8	2-Chlorophenol	120	410		U
7005-72-3	4-Chlorophenyl-phenylether	120	410		U
218-01-9	Chrysene	49	410		U
2303-16-4	Diallate	120	410		U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-DPW5-S10

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.B09069

Matrix: (soil/water) SOIL Lab Sample ID: 0609069-22

Sample wt/vol: 15.1 (g/mL) G Lab File ID: 0906922

% Moisture: 19 decanted: (Y/N) N Date Sampled: 09/12/06 09:20

Extraction: (SepF/Cont/Sonc/Soxh) SOXH Date Extracted:09/24/06

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 09/28/06 15:58

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	MDL	RL	CONC	Q
53-70-3	Dibenz(a,h)anthracene	49	410		U
132-64-9	Dibenzofuran	120	410		U
91-94-1	3,3'-Dichlorobenzidine	180	410		U
120-83-2	2,4-Dichlorophenol	120	410		U
87-65-0	2,6-Dichlorophenol	120	410		U
84-66-2	Diethylphthalate	120	410		U
60-51-5	Dimethoate	120	410		U
60-11-7	p-(Dimethylamino)azobenzene	120	410		U
57-97-6	7,12-Dimethylbenz[a]anthrace	120	410		U
119-93-7	3,3'-Dimethylbenzidine	120	410		U
122-09-8	a,a-Dimethyl-phenethylamine	120	410		U
105-67-9	2,4-Dimethylphenol	120	1600		U
131-11-3	Dimethylphthalate	120	410		U
84-74-2	Di-n-butylphthalate	120	410		U
99-65-0	m-Dinitrobenzene	120	410		U
534-52-1	4,6-Dinitro-2-methylphenol	120	1600		U
51-28-5	2,4-Dinitrophenol	120	4100		U
121-14-2	2,4-Dinitrotoluene	120	410		U
606-20-2	2,6-Dinitrotoluene	120	410		U
117-84-0	Di-n-octylphthalate	120	410		U
122-39-4	Diphenylamine	120	410		U
62-50-0	Ethyl methanesulfonate	120	410		U
206-44-0	Fluoranthene	49	410		U
86-73-7	Fluorene	49	410		U
118-74-1	Hexachlorobenzene	120	410		U
87-68-3	Hexachlorobutadiene	120	410		U
77-47-4	Hexachlorocyclopentadiene	120	410		U
67-72-1	Hexachloroethane	120	410		U
70-30-4	Hexachlorophene	120	820		U
1888-71-7	Hexachloropropene	120	410		U
193-39-5	Indeno(1,2,3-cd)pyrene	49	410		U
465-73-6	Isodrin	120	410		U
78-59-1	Isophorone	120	410		U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-DPW5-S10

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.B09069

Matrix: (soil/water) SOIL Lab Sample ID: 0609069-22

Sample wt/vol: 15.1 (g/mL) G Lab File ID: 0906922

% Moisture: 19 decanted: (Y/N) N Date Sampled: 09/12/06 09:20

Extraction: (SepF/Cont/Sonc/Soxh) SOXH Date Extracted:09/24/06

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 09/28/06 15:58

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	MDL	RL	CONC	Q
120-58-1	Isosafrole	120	410		U
143-50-0	Kepone	120	410		U
91-80-5	Methapyrilene	120	410		U
56-49-5	3-Methylcholanthrene	120	410		U
66-27-3	Methyl methanesulfonate	120	410		U
91-57-6	2-Methylnaphthalene	49	410		U
106-44-5	4-Methylphenol	120	410		U
108-39-4	3-Methylphenol	120	410		U
95-48-7	2-Methylphenol	120	410		U
91-20-3	Naphthalene	49	410		U
130-15-4	1,4-Naphthoquinone	120	410		U
134-32-7	1-Naphthylamine	120	410		U
91-59-8	2-Naphthylamine	120	410		U
88-74-4	2-Nitroaniline	120	1600		U
99-09-2	3-Nitroaniline	120	1600		U
100-01-6	4-Nitroaniline	120	1600		U
98-95-3	Nitrobenzene	120	410		U
88-75-5	2-Nitrophenol	120	410		U
100-02-7	4-Nitrophenol	120	1600		U
56-57-5	4-Nitroquinoline-1-oxide	120	410		U
924-16-3	N-Nitrosodi-n-butylamine	120	410		U
55-18-5	N-Nitrosodiethylamine	120	410		U
62-75-9	N-Nitroso-di-methylamine	120	410		U
86-30-6	N-Nitrosodiphenylamine (1)	120	410		U
621-64-7	N-Nitroso-di-n-propylamine	120	410		U
10595-95-6	N-Nitrosomethylethylamine	120	410		U
59-89-2	N-Nitrosomorpholine	120	410		U
100-75-4	N-Nitrosopiperidine	120	410		U
930-55-2	N-Nitrosopyrrolidine	120	410		U
99-55-8	5-Nitro-o-toluidine	120	410		U
608-93-5	Pentachlorobenzene	120	410		U
82-68-8	Pentachloronitrobenzene	120	410		U
76-01-7	Pentachloroethane	120	410		U

(1) - Cannot be separated from Diphenylamine

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-DPW5-S10

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.B09069

Matrix: (soil/water) SOIL Lab Sample ID: 0609069-22

Sample wt/vol: 15.1 (g/mL) G Lab File ID: 0906922

% Moisture: 19 decanted: (Y/N) N Date Sampled: 09/12/06 09:20

Extraction: (SepF/Cont/Sonc/Soxh) SOXH Date Extracted:09/24/06

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 09/28/06 15:58

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	MDL	RL	CONC	Q
87-86-5	Pentachlorophenol	120	1600		U
62-44-2	Phenacetin	120	410		U
85-01-8	Phenanthrene	49	410		U
108-95-2	Phenol	120	410		U
106-50-3	p-Phenylenediamine	120	410		U
109-06-8	2-Picoline	120	410		U
23950-58-5	Pronamide	120	410		U
129-00-0	Pyrene	49	410		U
110-86-1	Pyridine	120	1600		U
94-59-7	Safrole	120	410		U
95-94-3	1,2,4,5-Tetrachlorobenzene	120	410		U
58-90-2	2,3,4,6-Tetrachlorophenol	120	410		U
95-53-4	o-Toluidine	120	410		U
120-82-1	1,2,4-Trichlorobenzene	120	410		U
95-95-4	2,4,5-Trichlorophenol	120	410		U
88-06-2	2,4,6-Trichlorophenol	120	410		U
126-68-1	O,O,O-Triethylphosphorothioa	120	410		U
99-35-4	sym-Trinitrobenzene	120	410		U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-DPW6-S10

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.B09069

Matrix: (soil/water) SOIL Lab Sample ID: 0609069-23

Sample wt/vol: 15.4 (g/mL) G Lab File ID: 0906923

% Moisture: 5 decanted: (Y/N) N Date Sampled: 09/12/06 10:15

Extraction: (SepF/Cont/Sonc/Soxh) SOXH Date Extracted: 09/24/06

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 09/28/06 16:33

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	MDL	RL	CONC	Q
83-32-9	Acenaphthene	41	340		U
208-96-8	Acenaphthylene	41	340		U
98-86-2	Acetophenone	100	340		U
53-96-3	2-Acetylaminofluorene	100	340		U
92-67-1	4-Aminobiphenyl	100	340		U
62-53-3	Aniline	100	340		U
140-57-8	Aramite	100	340		U
120-12-7	Anthracene	41	340		U
1912-24-9	Atrazine	100	340		U
100-52-7	Benzaldehyde	100	340		U
56-55-3	Benzo(a)anthracene	41	340		U
205-99-2	Benzo(b)fluoranthene	41	340		U
207-08-9	Benzo(k)fluoranthene	41	340		U
191-24-2	Benzo(g,h,i)perylene	41	340		U
50-32-8	Benzo(a)pyrene	41	340		U
100-51-6	Benzyl alcohol	100	340		U
92-52-4	1,1'-Biphenyl	100	340		U
111-91-1	bis(2-Chloroethoxy)methane	100	340		U
111-44-4	bis(2-Chloroethyl)ether	100	340		U
108-60-1	bis(2-Chloroisopropyl)ether	100	340		U
117-81-7	Bis(2-ethylhexyl)phthalate	100	340		U
101-55-3	4-Bromophenyl-phenylether	100	340		U
85-68-7	Butylbenzylphthalate	100	340		U
105-60-2	Caprolactam	100	340		U
86-74-8	Carbazole	41	340		U
106-47-8	4-Chloroaniline	100	340		U
510-15-6	Chlorobenzilate	100	340		U
59-50-7	4-Chloro-3-methylphenol	100	340		U
91-58-7	2-Chloronaphthalene	100	340		U
95-57-8	2-Chlorophenol	100	340		U
7005-72-3	4-Chlorophenyl-phenylether	100	340		U
218-01-9	Chrysene	41	340		U
2303-16-4	Diallate	100	340		U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-DPW6-S10

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.B09069

Matrix: (soil/water) SOIL Lab Sample ID: 0609069-23

Sample wt/vol: 15.4 (g/mL) G Lab File ID: 0906923

% Moisture: 5 decanted: (Y/N) N Date Sampled: 09/12/06 10:15

Extraction: (SepF/Cont/Sonc/Soxh) SOXH Date Extracted:09/24/06

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 09/28/06 16:33

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	MDL	RL	CONC	Q
53-70-3	Dibenz(a,h)anthracene	41	340		U
132-64-9	Dibenzofuran	100	340		U
91-94-1	3,3'-Dichlorobenzidine	150	340		U
120-83-2	2,4-Dichlorophenol	100	340		U
87-65-0	2,6-Dichlorophenol	100	340		U
84-66-2	Diethylphthalate	100	340		U
60-51-5	Dimethoate	100	340		U
60-11-7	p-(Dimethylamino)azobenzene	100	340		U
57-97-6	7,12-Dimethylbenz[a]anthrace	100	340		U
119-93-7	3,3'-Dimethylbenzidine	100	340		U
122-09-8	a,a-Dimethyl-phenethylamine	100	340		U
105-67-9	2,4-Dimethylphenol	100	1400		U
131-11-3	Dimethylphthalate	100	340		U
84-74-2	Di-n-butylphthalate	100	340		U
99-65-0	m-Dinitrobenzene	100	340		U
534-52-1	4,6-Dinitro-2-methylphenol	100	1400		U
51-28-5	2,4-Dinitrophenol	100	3400		U
121-14-2	2,4-Dinitrotoluene	100	340		U
606-20-2	2,6-Dinitrotoluene	100	340		U
117-84-0	Di-n-octylphthalate	100	340		U
122-39-4	Diphenylamine	100	340		U
62-50-0	Ethyl methanesulfonate	100	340		U
206-44-0	Fluoranthene	41	340		U
86-73-7	Fluorene	41	340		U
118-74-1	Hexachlorobenzene	100	340		U
87-68-3	Hexachlorobutadiene	100	340		U
77-47-4	Hexachlorocyclopentadiene	100	340		U
67-72-1	Hexachloroethane	100	340		U
70-30-4	Hexachlorophene	100	680		U
1888-71-7	Hexachloropropene	100	340		U
193-39-5	Indeno(1,2,3-cd)pyrene	41	340		U
465-73-6	Isodrin	100	340		U
78-59-1	Isophorone	100	340		U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-DPW6-S10

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.B09069

Matrix: (soil/water) SOIL Lab Sample ID: 0609069-23

Sample wt/vol: 15.4 (g/mL) G Lab File ID: 0906923

% Moisture: 5 decanted: (Y/N) N Date Sampled: 09/12/06 10:15

Extraction: (SepF/Cont/Sonc/Soxh) SOXH Date Extracted:09/24/06

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 09/28/06 16:33

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) MDL	RL	CONC	UG/KG Q
120-58-1	Isosafrole	100	340		U
143-50-0	Kepone	100	340		U
91-80-5	Methapyrilene	100	340		U
56-49-5	3-Methylcholanthrene	100	340		U
66-27-3	Methyl methanesulfonate	100	340		U
91-57-6	2-Methylnaphthalene	41	340		U
106-44-5	4-Methylphenol	100	340		U
108-39-4	3-Methylphenol	100	340		U
95-48-7	2-Methylphenol	100	340		U
91-20-3	Naphthalene	41	340		U
130-15-4	1,4-Naphthoquinone	100	340		U
134-32-7	1-Naphthylamine	100	340		U
91-59-8	2-Naphthylamine	100	340		U
88-74-4	2-Nitroaniline	100	1400		U
99-09-2	3-Nitroaniline	100	1400		U
100-01-6	4-Nitroaniline	100	1400		U
98-95-3	Nitrobenzene	100	340		U
88-75-5	2-Nitrophenol	100	340		U
100-02-7	4-Nitrophenol	100	1400		U
56-57-5	4-Nitroquinoline-1-oxide	100	340		U
924-16-3	N-Nitrosodi-n-butylamine	100	340		U
55-18-5	N-Nitrosodiethylamine	100	340		U
62-75-9	N-Nitroso-di-methylamine	100	340		U
86-30-6	N-Nitrosodiphenylamine (1)	100	340		U
621-64-7	N-Nitroso-di-n-propylamine	100	340		U
10595-95-6	N-Nitrosomethylethylamine	100	340		U
59-89-2	N-Nitrosomorpholine	100	340		U
100-75-4	N-Nitrosopiperidine	100	340		U
930-55-2	N-Nitrosopyrrolidine	100	340		U
99-55-8	5-Nitro-o-toluidine	100	340		U
608-93-5	Pentachlorobenzene	100	340		U
82-68-8	Pentachloronitrobenzene	100	340		U
76-01-7	Pentachloroethane	100	340		U

(1) - Cannot be separated from Diphenylamine

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-DPW6-S10

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.B09069

Matrix: (soil/water) SOIL Lab Sample ID: 0609069-23

Sample wt/vol: 15.4 (g/mL) G Lab File ID: 0906923

% Moisture: 5 decanted: (Y/N) N Date Sampled: 09/12/06 10:15

Extraction: (SepF/Cont/Sonc/Soxh) SOXH Date Extracted:09/24/06

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 09/28/06 16:33

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	MDL	RL	CONC	Q
87-86-5	Pentachlorophenol	100	1400		U
62-44-2	Phenacetin	100	340		U
85-01-8	Phenanthrene	41	340		U
108-95-2	Phenol	100	340		U
106-50-3	p-Phenylenediamine	100	340		U
109-06-8	2-Picoline	100	340		U
23950-58-5	Pronamide	100	340		U
129-00-0	Pyrene	41	340		U
110-86-1	Pyridine	100	1400		U
94-59-7	Safrole	100	340		U
95-94-3	1,2,4,5-Tetrachlorobenzene	100	340		U
58-90-2	2,3,4,6-Tetrachlorophenol	100	340		U
95-53-4	o-Toluidine	100	340		U
120-82-1	1,2,4-Trichlorobenzene	100	340		U
95-95-4	2,4,5-Trichlorophenol	100	340		U
88-06-2	2,4,6-Trichlorophenol	100	340		U
126-68-1	O,O,O-Triethylphosphorothioa	100	340		U
99-35-4	sym-Trinitrobenzene	100	340		U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-DPW8-S10

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.B09069

Matrix: (soil/water) SOIL Lab Sample ID: 0609069-24

Sample wt/vol: 15.7 (g/mL) G Lab File ID: 0906924

% Moisture: 8 decanted: (Y/N) N Date Sampled: 09/12/06 10:30

Extraction: (SepF/Cont/Sonc/Soxh) SOXH Date Extracted:09/24/06

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 09/28/06 17:08

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	MDL	RL	CONC	Q
83-32-9	Acenaphthene	41	340		U
208-96-8	Acenaphthylene	41	340		U
98-86-2	Acetophenone	100	340		U
53-96-3	2-Acetylaminofluorene	100	340		U
92-67-1	4-Aminobiphenyl	100	340		U
62-53-3	Aniline	100	340		U
140-57-8	Aramite	100	340		U
120-12-7	Anthracene	41	340		U
1912-24-9	Atrazine	100	340		U
100-52-7	Benzaldehyde	100	340		U
56-55-3	Benzo(a)anthracene	41	340		U
205-99-2	Benzo(b)fluoranthene	41	340		U
207-08-9	Benzo(k)fluoranthene	41	340		U
191-24-2	Benzo(g,h,i)perylene	41	340		U
50-32-8	Benzo(a)pyrene	41	340		U
100-51-6	Benzyl alcohol	100	340		U
92-52-4	1,1'-Biphenyl	100	340		U
111-91-1	bis(2-Chloroethoxy)methane	100	340		U
111-44-4	bis(2-Chloroethyl)ether	100	340		U
108-60-1	bis(2-Chloroisopropyl)ether	100	340		U
117-81-7	Bis(2-ethylhexyl)phthalate	100	340		U
101-55-3	4-Bromophenyl-phenylether	100	340		U
85-68-7	Butylbenzylphthalate	100	340		U
105-60-2	Caprolactam	100	340		U
86-74-8	Carbazole	41	340		U
106-47-8	4-Chloroaniline	100	340		U
510-15-6	Chlorobenzilate	100	340		U
59-50-7	4-Chloro-3-methylphenol	100	340		U
91-58-7	2-Chloronaphthalene	100	340		U
95-57-8	2-Chlorophenol	100	340		U
7005-72-3	4-Chlorophenyl-phenylether	100	340		U
218-01-9	Chrysene	41	340		U
2303-16-4	Diallate	100	340		U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-DPW8-S10

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.B09069

Matrix: (soil/water) SOIL Lab Sample ID: 0609069-24

Sample wt/vol: 15.7 (g/mL) G Lab File ID: 0906924

% Moisture: 8 decanted: (Y/N) N Date Sampled: 09/12/06 10:30

Extraction: (SepF/Cont/Sonc/Soxh) SOXH Date Extracted:09/24/06

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 09/28/06 17:08

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	MDL	RL	CONC	Q
53-70-3	Dibenz(a,h)anthracene	41	340		U
132-64-9	Dibenzofuran	100	340		U
91-94-1	3,3'-Dichlorobenzidine	160	340		U
120-83-2	2,4-Dichlorophenol	100	340		U
87-65-0	2,6-Dichlorophenol	100	340		U
84-66-2	Diethylphthalate	100	340		U
60-51-5	Dimethoate	100	340		U
60-11-7	p-(Dimethylamino)azobenzene	100	340		U
57-97-6	7,12-Dimethylbenz[a]anthrace	100	340		U
119-93-7	3,3'-Dimethylbenzidine	100	340		U
122-09-8	a,a-Dimethyl-phenethylamine	100	340		U
105-67-9	2,4-Dimethylphenol	100	1400		U
131-11-3	Dimethylphthalate	100	340		U
84-74-2	Di-n-butylphthalate	100	340		U
99-65-0	m-Dinitrobenzene	100	340		U
534-52-1	4,6-Dinitro-2-methylphenol	100	1400		U
51-28-5	2,4-Dinitrophenol	100	3400		U
121-14-2	2,4-Dinitrotoluene	100	340		U
606-20-2	2,6-Dinitrotoluene	100	340		U
117-84-0	Di-n-octylphthalate	100	340		U
122-39-4	Diphenylamine	100	340		U
62-50-0	Ethyl methanesulfonate	100	340		U
206-44-0	Fluoranthene	41	340		U
86-73-7	Fluorene	41	340		U
118-74-1	Hexachlorobenzene	100	340		U
87-68-3	Hexachlorobutadiene	100	340		U
77-47-4	Hexachlorocyclopentadiene	100	340		U
67-72-1	Hexachloroethane	100	340		U
70-30-4	Hexachlorophene	100	690		U
1888-71-7	Hexachloropropene	100	340		U
193-39-5	Indeno(1,2,3-cd)pyrene	41	340		U
465-73-6	Isodrin	100	340		U
78-59-1	Isophorone	100	340		U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-DPW8-S10

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.B09069

Matrix: (soil/water) SOIL Lab Sample ID: 0609069-24

Sample wt/vol: 15.7 (g/mL) G Lab File ID: 0906924

% Moisture: 8 decanted: (Y/N) N Date Sampled: 09/12/06 10:30

Extraction: (SepF/Cont/Sonc/Soxh) SOXH Date Extracted:09/24/06

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 09/28/06 17:08

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	MDL	RL	CONC	Q
120-58-1	Isosafrole	100	340		U
143-50-0	Kepone	100	340		U
91-80-5	Methapyrilene	100	340		U
56-49-5	3-Methylcholanthrene	100	340		U
66-27-3	Methyl methanesulfonate	100	340		U
91-57-6	2-Methylnaphthalene	41	340		U
106-44-5	4-Methylphenol	100	340		U
108-39-4	3-Methylphenol	100	340		U
95-48-7	2-Methylphenol	100	340		U
91-20-3	Naphthalene	41	340		U
130-15-4	1,4-Naphthoquinone	100	340		U
134-32-7	1-Naphthylamine	100	340		U
91-59-8	2-Naphthylamine	100	340		U
88-74-4	2-Nitroaniline	100	1400		U
99-09-2	3-Nitroaniline	100	1400		U
100-01-6	4-Nitroaniline	100	1400		U
98-95-3	Nitrobenzene	100	340		U
88-75-5	2-Nitrophenol	100	340		U
100-02-7	4-Nitrophenol	100	1400		U
56-57-5	4-Nitroquinoline-1-oxide	100	340		U
924-16-3	N-Nitrosodi-n-butylamine	100	340		U
55-18-5	N-Nitrosodiethylamine	100	340		U
62-75-9	N-Nitroso-di-methylamine	100	340		U
86-30-6	N-Nitrosodiphenylamine (1)	100	340		U
621-64-7	N-Nitroso-di-n-propylamine	100	340		U
10595-95-6	N-Nitrosomethylethylamine	100	340		U
59-89-2	N-Nitrosomorpholine	100	340		U
100-75-4	N-Nitrosopiperidine	100	340		U
930-55-2	N-Nitrosopyrrolidine	100	340		U
99-55-8	5-Nitro-o-toluidine	100	340		U
608-93-5	Pentachlorobenzene	100	340		U
82-68-8	Pentachloronitrobenzene	100	340		U
76-01-7	Pentachloroethane	100	340		U

(1) - Cannot be separated from Diphenylamine

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-DPW8-S10

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.B09069

Matrix: (soil/water) SOIL Lab Sample ID: 0609069-24

Sample wt/vol: 15.7 (g/mL) G Lab File ID: 0906924

% Moisture: 8 decanted: (Y/N) N Date Sampled: 09/12/06 10:30

Extraction: (SepF/Cont/Sonc/Soxh) SOXH Date Extracted:09/24/06

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 09/28/06 17:08

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	MDL	RL	CONC	Q
87-86-5	Pentachlorophenol	100	1400		U
62-44-2	Phenacetin	100	340		U
85-01-8	Phenanthrene	41	340		U
108-95-2	Phenol	100	340		U
106-50-3	p-Phenylenediamine	100	340		U
109-06-8	2-Picoline	100	340		U
23950-58-5	Pronamide	100	340		U
129-00-0	Pyrene	41	340		U
110-86-1	Pyridine	100	1400		U
94-59-7	Safrole	100	340		U
95-94-3	1,2,4,5-Tetrachlorobenzene	100	340		U
58-90-2	2,3,4,6-Tetrachlorophenol	100	340		U
95-53-4	o-Toluidine	100	340		U
120-82-1	1,2,4-Trichlorobenzene	100	340		U
95-95-4	2,4,5-Trichlorophenol	100	340		U
88-06-2	2,4,6-Trichlorophenol	100	340		U
126-68-1	O,O,O-Triethylphosphorothioa	100	340		U
99-35-4	sym-Trinitrobenzene	100	340		U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-DPW9-S10

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.B09069

Matrix: (soil/water) SOIL Lab Sample ID: 0609069-25

Sample wt/vol: 15.5 (g/mL) G Lab File ID: 0906925

% Moisture: 8 decanted: (Y/N) N Date Sampled: 09/12/06 10:55

Extraction: (SepF/Cont/Sonc/Soxh) SOXH Date Extracted:09/24/06

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 09/28/06 17:43

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	MDL	RL	CONC	Q
83-32-9	Acenaphthene	42	350		U
208-96-8	Acenaphthylene	42	350		U
98-86-2	Acetophenone	100	350		U
53-96-3	2-Acetylaminofluorene	100	350		U
92-67-1	4-Aminobiphenyl	100	350		U
62-53-3	Aniline	100	350		U
140-57-8	Aramite	100	350		U
120-12-7	Anthracene	42	350		U
1912-24-9	Atrazine	100	350		U
100-52-7	Benzaldehyde	100	350		U
56-55-3	Benzo(a)anthracene	42	350		U
205-99-2	Benzo(b)fluoranthene	42	350		U
207-08-9	Benzo(k)fluoranthene	42	350		U
191-24-2	Benzo(g,h,i)perylene	42	350		U
50-32-8	Benzo(a)pyrene	42	350		U
100-51-6	Benzyl alcohol	100	350		U
92-52-4	1,1'-Biphenyl	100	350		U
111-91-1	bis(2-Chloroethoxy)methane	100	350		U
111-44-4	bis(2-Chloroethyl)ether	100	350		U
108-60-1	bis(2-Chloroisopropyl)ether	100	350		U
117-81-7	Bis(2-ethylhexyl)phthalate	100	350		U
101-55-3	4-Bromophenyl-phenylether	100	350		U
85-68-7	Butylbenzylphthalate	100	350		U
105-60-2	Caprolactam	100	350		U
86-74-8	Carbazole	42	350		U
106-47-8	4-Chloroaniline	100	350		U
510-15-6	Chlorobenzilate	100	350		U
59-50-7	4-Chloro-3-methylphenol	100	350		U
91-58-7	2-Chloronaphthalene	100	350		U
95-57-8	2-Chlorophenol	100	350		U
7005-72-3	4-Chlorophenyl-phenylether	100	350		U
218-01-9	Chrysene	42	350		U
2303-16-4	Diallate	100	350		U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-DPW9-S10

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.B09069

Matrix: (soil/water) SOIL Lab Sample ID: 0609069-25

Sample wt/vol: 15.5 (g/mL) G Lab File ID: 0906925

% Moisture: 8 decanted: (Y/N) N Date Sampled: 09/12/06 10:55

Extraction: (SepF/Cont/Sonc/Soxh) SOXH Date Extracted:09/24/06

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 09/28/06 17:43

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG MDL	RL	CONC	Q
53-70-3	Dibenz(a,h)anthracene	42	350		U
132-64-9	Dibenzofuran	100	350		U
91-94-1	3,3'-Dichlorobenzidine	160	350		U
120-83-2	2,4-Dichlorophenol	100	350		U
87-65-0	2,6-Dichlorophenol	100	350		U
84-66-2	Diethylphthalate	100	350		U
60-51-5	Dimethoate	100	350		U
60-11-7	p-(Dimethylamino)azobenzene	100	350		U
57-97-6	7,12-Dimethylbenz[a]anthrace	100	350		U
119-93-7	3,3'-Dimethylbenzidine	100	350		U
122-09-8	a,a-Dimethyl-phenethylamine	100	350		U
105-67-9	2,4-Dimethylphenol	100	1400		U
131-11-3	Dimethylphthalate	100	350		U
84-74-2	Di-n-butylphthalate	100	350		U
99-65-0	m-Dinitrobenzene	100	350		U
534-52-1	4,6-Dinitro-2-methylphenol	100	1400		U
51-28-5	2,4-Dinitrophenol	100	3500		U
121-14-2	2,4-Dinitrotoluene	100	350		U
606-20-2	2,6-Dinitrotoluene	100	350		U
117-84-0	Di-n-octylphthalate	100	350		U
122-39-4	Diphenylamine	100	350		U
62-50-0	Ethyl methanesulfonate	100	350		U
206-44-0	Fluoranthene	42	350		U
86-73-7	Fluorene	42	350		U
118-74-1	Hexachlorobenzene	100	350		U
87-68-3	Hexachlorobutadiene	100	350		U
77-47-4	Hexachlorocyclopentadiene	100	350		U
67-72-1	Hexachloroethane	100	350		U
70-30-4	Hexachlorophene	100	700		U
1888-71-7	Hexachloropropene	100	350		U
193-39-5	Indeno(1,2,3-cd)pyrene	42	350		U
465-73-6	Isodrin	100	350		U
78-59-1	Isophorone	100	350		U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-DPW9-S10

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.B09069

Matrix: (soil/water) SOIL Lab Sample ID: 0609069-25

Sample wt/vol: 15.5 (g/mL) G Lab File ID: 0906925

% Moisture: 8 decanted: (Y/N) N Date Sampled: 09/12/06 10:55

Extraction: (SepF/Cont/Sonc/Soxh) SOXH Date Extracted:09/24/06

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 09/28/06 17:43

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) MDL	RL	CONC	UG/KG Q
120-58-1	Isosafrole	100	350		U
143-50-0	Kepone	100	350		U
91-80-5	Methapyrilene	100	350		U
56-49-5	3-Methylcholanthrene	100	350		U
66-27-3	Methyl methanesulfonate	100	350		U
91-57-6	2-Methylnaphthalene	42	350		U
106-44-5	4-Methylphenol	100	350		U
108-39-4	3-Methylphenol	100	350		U
95-48-7	2-Methylphenol	100	350		U
91-20-3	Naphthalene	42	350		U
130-15-4	1,4-Naphthoquinone	100	350		U
134-32-7	1-Naphthylamine	100	350		U
91-59-8	2-Naphthylamine	100	350		U
88-74-4	2-Nitroaniline	100	1400		U
99-09-2	3-Nitroaniline	100	1400		U
100-01-6	4-Nitroaniline	100	1400		U
98-95-3	Nitrobenzene	100	350		U
88-75-5	2-Nitrophenol	100	350		U
100-02-7	4-Nitrophenol	100	1400		U
56-57-5	4-Nitroquinoline-1-oxide	100	350		U
924-16-3	N-Nitrosodi-n-butylamine	100	350		U
55-18-5	N-Nitrosodiethylamine	100	350		U
62-75-9	N-Nitroso-di-methylamine	100	350		U
86-30-6	N-Nitrosodiphenylamine (1)	100	350		U
621-64-7	N-Nitroso-di-n-propylamine	100	350		U
10595-95-6	N-Nitrosomethylethylamine	100	350		U
59-89-2	N-Nitrosomorpholine	100	350		U
100-75-4	N-Nitrosopiperidine	100	350		U
930-55-2	N-Nitrosopyrrolidine	100	350		U
99-55-8	5-Nitro-o-toluidine	100	350		U
608-93-5	Pentachlorobenzene	100	350		U
82-68-8	Pentachloronitrobenzene	100	350		U
76-01-7	Pentachloroethane	100	350		U

(1) - Cannot be separated from Diphenylamine

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-DPW9-S10

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.B09069

Matrix: (soil/water) SOIL Lab Sample ID: 0609069-25

Sample wt/vol: 15.5 (g/mL) G Lab File ID: 0906925

% Moisture: 8 decanted: (Y/N) N Date Sampled: 09/12/06 10:55

Extraction: (SepF/Cont/Sonc/Soxh) SOXH Date Extracted:09/24/06

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 09/28/06 17:43

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG MDL	RL	CONC	Q
87-86-5	Pentachlorophenol	100	1400		U
62-44-2	Phenacetin	100	350		U
85-01-8	Phenanthrene	42	350		U
108-95-2	Phenol	100	350		U
106-50-3	p-Phenylenediamine	100	350		U
109-06-8	2-Picoline	100	350		U
23950-58-5	Pronamide	100	350		U
129-00-0	Pyrene	42	350		U
110-86-1	Pyridine	100	1400		U
94-59-7	Safrole	100	350		U
95-94-3	1,2,4,5-Tetrachlorobenzene	100	350		U
58-90-2	2,3,4,6-Tetrachlorophenol	100	350		U
95-53-4	o-Toluidine	100	350		U
120-82-1	1,2,4-Trichlorobenzene	100	350		U
95-95-4	2,4,5-Trichlorophenol	100	350		U
88-06-2	2,4,6-Trichlorophenol	100	350		U
126-68-1	O,O,O-Triethylphosphorothioa	100	350		U
99-35-4	sym-Trinitrobenzene	100	350		U

FORM 1
PRO ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-DPW18-S12

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.F09069

Matrix: (soil/water) SOIL Lab Sample ID: 0609069-12

Sample wt/vol: 24.7 (g/mL) G Lab File ID: 037R0201

% Moisture: 8 decanted: (Y/N) N Date Sampled: 09/12/06 07:57

Extraction: (SepF/Cont/Sonc/Soxh) SONC Date Extracted:09/20/06

Concentrated Extract Volume: 2.0(mL) Date Analyzed: 09/24/06 08:52

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) MG/KG MDL	RL	CONC	Q
	PRO-8-40------Petroleum Range	11	33		U

FORM 1
PRO ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-DPW19-S12

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.F09069

Matrix: (soil/water) SOIL Lab Sample ID: 0609069-13

Sample wt/vol: 25.1 (g/mL) G Lab File ID: 038R0201

% Moisture: 7 decanted: (Y/N) N Date Sampled: 09/12/06 08:19

Extraction: (SepF/Cont/Sonc/Soxh) SONC Date Extracted:09/20/06

Concentrated Extract Volume: 2.0(mL) Date Analyzed: 09/24/06 09:34

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS: (ug/L or ug/Kg) MG/KG

CAS NO.	COMPOUND	MDL	RL	CONC	Q
	PRO-8-40------Petroleum Range	11	32		U

FORM 1
PRO ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-DPW20-S12

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.F09069

Matrix: (soil/water) SOIL Lab Sample ID: 0609069-14

Sample wt/vol: 25.3 (g/mL) G Lab File ID: 039R0201

% Moisture: 7 decanted: (Y/N) N Date Sampled: 09/12/06 08:43

Extraction: (SepF/Cont/Sonc/Soxh) SONC Date Extracted:09/20/06

Concentrated Extract Volume: 2.0(mL) Date Analyzed: 09/24/06 10:16

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS: (ug/L or ug/Kg) MG/KG

CAS NO.	COMPOUND	MDL	RL	CONC	Q
	PRO-8-40------Petroleum Range	11	32	17	I

FORM 1
PRO ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-DPW21-S12

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.F09069

Matrix: (soil/water) SOIL Lab Sample ID: 0609069-15

Sample wt/vol: 25.2 (g/mL) G Lab File ID: 040R0201

% Moisture: 15 decanted: (Y/N) N Date Sampled: 09/12/06 09:15

Extraction: (SepF/Cont/Sonc/Soxh) SONC Date Extracted:09/20/06

Concentrated Extract Volume: 2.0(mL) Date Analyzed: 09/24/06 10:58

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS: (ug/L or ug/Kg) MG/KG

CAS NO.	COMPOUND	MDL	RL	CONC	Q
	PRO-8-40------Petroleum Range	12	35		U

FORM 1
PRO ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-DPW23-S26

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.F09069

Matrix: (soil/water) SOIL Lab Sample ID: 0609069-16

Sample wt/vol: 25.4 (g/mL) G Lab File ID: 041R0201

% Moisture: 7 decanted: (Y/N) N Date Sampled: 09/12/06 10:10

Extraction: (SepF/Cont/Sonc/Soxh) SONC Date Extracted:09/20/06

Concentrated Extract Volume: 2.0(mL) Date Analyzed: 09/24/06 11:41

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) MG/KG MDL	RL	CONC	Q
	PRO-8-40------Petroleum Range	10	32		U

FORM 1
PRO ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-DPW24-S26

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.F09069

Matrix: (soil/water) SOIL Lab Sample ID: 0609069-17

Sample wt/vol: 24.7 (g/mL) G Lab File ID: 042R0201

% Moisture: 7 decanted: (Y/N) N Date Sampled: 09/12/06 10:43

Extraction: (SepF/Cont/Sonc/Soxh) SONC Date Extracted:09/20/06

Concentrated Extract Volume: 2.0(mL) Date Analyzed: 09/24/06 12:23

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) MG/KG MDL	RL	CONC	Q
	PRO-8-40------Petroleum Range	11	32		U

FORM 1
PRO ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-DPW2-S10

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.F09069

Matrix: (soil/water) SOIL Lab Sample ID: 0609069-19

Sample wt/vol: 24.7 (g/mL) G Lab File ID: 043R0201

% Moisture: 10 decanted: (Y/N) N Date Sampled: 09/12/06 08:15

Extraction: (SepF/Cont/Sonc/Soxh) SONC Date Extracted:09/20/06

Concentrated Extract Volume: 2.0(mL) Date Analyzed: 09/24/06 13:04

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) MG/KG MDL	RL	CONC	Q
	PRO-8-40------Petroleum Range	11	34		U

FORM 1
PRO ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-DPW3-S10

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.F09069

Matrix: (soil/water) SOIL Lab Sample ID: 0609069-20

Sample wt/vol: 24.7 (g/mL) G Lab File ID: 044R0201

% Moisture: 7 decanted: (Y/N) N Date Sampled: 09/12/06 08:30

Extraction: (SepF/Cont/Sonc/Soxh) SONC Date Extracted:09/20/06

Concentrated Extract Volume: 2.0(mL) Date Analyzed: 09/24/06 13:47

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS: (ug/L or ug/Kg) MG/KG

CAS NO.	COMPOUND	MDL	RL	CONC	Q
	PRO-8-40------Petroleum Range	11	33		U

FORM 1
PRO ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-DPW4-S10

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.F09069

Matrix: (soil/water) SOIL Lab Sample ID: 0609069-21

Sample wt/vol: 24.9 (g/mL) G Lab File ID: 045R0201

% Moisture: 5 decanted: (Y/N) N Date Sampled: 09/12/06 09:00

Extraction: (SepF/Cont/Sonc/Soxh) SONC Date Extracted:09/20/06

Concentrated Extract Volume: 2.0(mL) Date Analyzed: 09/24/06 14:29

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) MG/KG MDL	RL	CONC	Q
	PRO-8-40------Petroleum Range	10	32		U

FORM 1
PRO ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-DPW5-S10

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.F09069

Matrix: (soil/water) SOIL Lab Sample ID: 0609069-22

Sample wt/vol: 25.4 (g/mL) G Lab File ID: 047R0201

% Moisture: 19 decanted: (Y/N) N Date Sampled: 09/12/06 09:20

Extraction: (SepF/Cont/Sonc/Soxh) SONC Date Extracted:09/20/06

Concentrated Extract Volume: 2.0(mL) Date Analyzed: 09/24/06 15:53

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS: (ug/L or ug/Kg) MG/KG

CAS NO.	COMPOUND	MDL	RL	CONC	Q
	PRO-8-40------Petroleum Range	12	36		U

FORM 1
PRO ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-DPW6-S10

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.F09069

Matrix: (soil/water) SOIL Lab Sample ID: 0609069-23

Sample wt/vol: 25.2 (g/mL) G Lab File ID: 048R0201

% Moisture: 5 decanted: (Y/N) N Date Sampled: 09/12/06 10:15

Extraction: (SepF/Cont/Sonc/Soxh) SONC Date Extracted:09/20/06

Concentrated Extract Volume: 2.0(mL) Date Analyzed: 09/24/06 16:35

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) MG/KG MDL	RL	CONC	Q
	PRO-8-40------Petroleum Range	10	31		U

FORM 1
PRO ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-DPW8-S10

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.F09069

Matrix: (soil/water) SOIL Lab Sample ID: 0609069-24

Sample wt/vol: 24.8 (g/mL) G Lab File ID: 049R0201

% Moisture: 8 decanted: (Y/N) N Date Sampled: 09/12/06 10:30

Extraction: (SepF/Cont/Sonc/Soxh) SONC Date Extracted:09/20/06

Concentrated Extract Volume: 2.0(mL) Date Analyzed: 09/24/06 17:17

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) MG/KG MDL	RL	CONC	Q
	PRO-8-40------Petroleum Range	11	33		U

FORM 1
PRO ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-DPW9-S10

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.F09069

Matrix: (soil/water) SOIL Lab Sample ID: 0609069-25

Sample wt/vol: 25.2 (g/mL) G Lab File ID: 050R0201

% Moisture: 8 decanted: (Y/N) N Date Sampled: 09/12/06 10:55

Extraction: (SepF/Cont/Sonc/Soxh) SONC Date Extracted:09/20/06

Concentrated Extract Volume: 2.0(mL) Date Analyzed: 09/24/06 17:59

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS: (ug/L or ug/Kg) MG/KG

CAS NO.	COMPOUND	MDL	RL	CONC	Q
	PRO-8-40------Petroleum Range	11	32		U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW06S-001

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW001

Matrix: (soil/water) WATER Lab Sample ID: 0612069-01

Sample wt/vol: 940.0 (g/mL) ML Lab File ID: 1206901

% Moisture: _____ decanted: (Y/N)___ Date Sampled: 12/06/06 13:00

Extraction: (SepF/Cont/Sonc/Soxh) SEPF Date Extracted:12/11/06

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 12/27/06 16:31

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
83-32-9	Acenaphthene	1.1	11		U
208-96-8	Acenaphthylene	1.1	11		U
98-86-2	Acetophenone	1.1	11		U
53-96-3	2-Acetylaminofluorene	2.1	11		U
92-67-1	4-Aminobiphenyl	2.1	11		U
62-53-3	Aniline	1.1	11		U
140-57-8	Aramite	1.1	11		U
120-12-7	Anthracene	1.1	11		U
1912-24-9	Atrazine	1.1	5.3		U
100-52-7	Benzaldehyde	1.1	5.3		U
56-55-3	Benzo(a)anthracene	1.1	11		U
205-99-2	Benzo(b)fluoranthene	1.1	11		U
207-08-9	Benzo(k)fluoranthene	1.1	11		U
191-24-2	Benzo(g,h,i)perylene	1.1	11		U
50-32-8	Benzo(a)pyrene	1.1	11		U
100-51-6	Benzyl alcohol	1.1	11		U
92-52-4	1,1'-Biphenyl	1.1	5.3		U
111-91-1	bis(2-Chloroethoxy)methane	1.1	11		U
111-44-4	bis(2-Chloroethyl)ether	1.1	11		U
108-60-1	bis(2-Chloroisopropyl)ether	1.1	11		U
117-81-7	Bis(2-ethylhexyl)phthalate	1.1	11		U
101-55-3	4-Bromophenyl-phenylether	1.1	11		U
85-68-7	Butylbenzylphthalate	1.1	11		U
105-60-2	Caprolactam	1.1	5.3		U
86-74-8	Carbazole	1.1	11		U
106-47-8	4-Chloroaniline	1.1	11		U
510-15-6	Chlorobenzilate	1.1	11		U
59-50-7	4-Chloro-3-methylphenol	1.1	11		U
91-58-7	2-Chloronaphthalene	1.1	11		U
95-57-8	2-Chlorophenol	1.1	11		U
7005-72-3	4-Chlorophenyl-phenylether	1.1	11		U
218-01-9	Chrysene	1.1	11		U
2303-16-4	Diallate	1.1	11		U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW06S-001

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW001

Matrix: (soil/water) WATER Lab Sample ID: 0612069-01

Sample wt/vol: 940.0 (g/mL) ML Lab File ID: 1206901

% Moisture: _____ decanted: (Y/N)___ Date Sampled: 12/06/06 13:00

Extraction: (SepF/Cont/Sonc/Soxh) SEPF Date Extracted:12/11/06

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 12/27/06 16:31

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
53-70-3	Dibenz(a,h)anthracene	1.1	11		U
132-64-9	Dibenzofuran	1.1	11		U
91-94-1	3,3'-Dichlorobenzidine	1.1	11		U
120-83-2	2,4-Dichlorophenol	1.1	11		U
87-65-0	2,6-Dichlorophenol	1.1	11		U
84-66-2	Diethylphthalate	11	11		U
60-51-5	Dimethoate	4.2	11		U
60-11-7	p-(Dimethylamino)azobenzene	1.1	11		U
57-97-6	7,12-Dimethylbenz[a]anthrace	1.1	11		U
119-93-7	3,3'-Dimethylbenzidine	45	53		U
122-09-8	a,a-Dimethyl-phenethylamine	1.1	11		U
105-67-9	2,4-Dimethylphenol	1.1	11		U
131-11-3	Dimethylphthalate	1.1	11		U
84-74-2	Di-n-butylphthalate	1.1	11		U
99-65-0	m-Dinitrobenzene	3.2	11		U
534-52-1	4,6-Dinitro-2-methylphenol	1.1	26		U
51-28-5	2,4-Dinitrophenol	11	26		U
121-14-2	2,4-Dinitrotoluene	1.1	11		U
606-20-2	2,6-Dinitrotoluene	1.1	11		U
117-84-0	Di-n-octylphthalate	1.1	11		U
122-39-4	Diphenylamine	1.1	11		U
62-50-0	Ethyl methanesulfonate	1.1	11		U
206-44-0	Fluoranthene	1.1	11		U
86-73-7	Fluorene	1.1	11		U
118-74-1	Hexachlorobenzene	1.1	11		U
87-68-3	Hexachlorobutadiene	1.1	11		U
77-47-4	Hexachlorocyclopentadiene	1.1	11		U
67-72-1	Hexachloroethane	1.1	11		U
70-30-4	Hexachlorophene	26	130		U
1888-71-7	Hexachloropropene	4.2	11		U
193-39-5	Indeno(1,2,3-cd)pyrene	1.1	11		U
465-73-6	Isodrin	2.1	11		U
78-59-1	Isophorone	1.1	11		U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW06S-001

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW001

Matrix: (soil/water) WATER Lab Sample ID: 0612069-01

Sample wt/vol: 940.0 (g/mL) ML Lab File ID: 1206901

% Moisture: _____ decanted: (Y/N)___ Date Sampled: 12/06/06 13:00

Extraction: (SepF/Cont/Sonc/Soxh) SEPF Date Extracted:12/11/06

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 12/27/06 16:31

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
120-58-1	Isosafrole	1.1	11		U
143-50-0	Kepone	1.1	11		U
91-80-5	Methapyrilene	1.1	11		U
56-49-5	3-Methylcholanthrene	1.1	11		U
66-27-3	Methyl methanesulfonate	1.1	5.3		U
91-57-6	2-Methylnaphthalene	1.1	11		U
106-44-5	4-Methylphenol	1.1	11		U
108-39-4	3-Methylphenol	1.1	11		U
95-48-7	2-Methylphenol	1.1	11		U
91-20-3	Naphthalene	1.1	11		U
130-15-4	1,4-Naphthoquinone	1.1	11		U
134-32-7	1-Naphthylamine	1.1	11		U
91-59-8	2-Naphthylamine	1.1	11		U
88-74-4	2-Nitroaniline	1.1	26		U
99-09-2	3-Nitroaniline	1.1	26		U
100-01-6	4-Nitroaniline	1.1	26		U
98-95-3	Nitrobenzene	1.1	11		U
88-75-5	2-Nitrophenol	1.1	11		U
100-02-7	4-Nitrophenol	5.3	26		U
56-57-5	4-Nitroquinoline-1-oxide	1.1	11		U
924-16-3	N-Nitrosodi-n-butylamine	1.1	11		U
55-18-5	N-Nitrosodiethylamine	1.1	11		U
62-75-9	N-Nitroso-di-methylamine	1.1	11		U
86-30-6	N-Nitrosodiphenylamine (1)	1.1	11		U
621-64-7	N-Nitroso-di-n-propylamine	0.85	11		U
10595-95-6	N-Nitrosomethylethylamine	4.2	11		U
59-89-2	N-Nitrosomorpholine	1.1	11		U
100-75-4	N-Nitrosopiperidine	1.1	11		U
930-55-2	N-Nitrosopyrrolidine	1.1	11		U
99-55-8	5-Nitro-o-toluidine	2.1	11		U
608-93-5	Pentachlorobenzene	4.2	11		U
82-68-8	Pentachloronitrobenzene	4.2	11		U
76-01-7	Pentachloroethane	4.2	11		U

(1) - Cannot be separated from Diphenylamine

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW06S-001

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW001

Matrix: (soil/water) WATER Lab Sample ID: 0612069-01

Sample wt/vol: 940.0 (g/mL) ML Lab File ID: 1206901

% Moisture: _____ decanted: (Y/N)___ Date Sampled: 12/06/06 13:00

Extraction: (SepF/Cont/Sonc/Soxh) SEPF Date Extracted:12/11/06

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 12/27/06 16:31

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
87-86-5	Pentachlorophenol	11	26		U
62-44-2	Phenacetin	1.1	11		U
85-01-8	Phenanthrene	1.1	11		U
108-95-2	Phenol	1.1	11		U
106-50-3	p-Phenylenediamine	1.1	11		U
109-06-8	2-Picoline	7.4	11		U
23950-58-5	Pronamide	1.1	11		U
129-00-0	Pyrene	1.1	11		U
110-86-1	Pyridine	1.1	11		U
94-59-7	Safrole	1.1	11		U
95-94-3	1,2,4,5-Tetrachlorobenzene	3.2	11		U
58-90-2	2,3,4,6-Tetrachlorophenol	1.1	11		U
95-53-4	o-Toluidine	4.2	11		U
120-82-1	1,2,4-Trichlorobenzene	1.1	11		U
95-95-4	2,4,5-Trichlorophenol	1.1	26		U
88-06-2	2,4,6-Trichlorophenol	1.1	11		U
126-68-1	O,O,O-Triethylphosphorothioa	3.2	11		U
99-35-4	sym-Trinitrobenzene	3.2	11		U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW03S-001

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW001

Matrix: (soil/water) WATER Lab Sample ID: 0612069-03

Sample wt/vol: 960.0 (g/mL) ML Lab File ID: 1206903

% Moisture: _____ decanted: (Y/N)___ Date Sampled: 12/06/06 17:00

Extraction: (SepF/Cont/Sonc/Soxh) SEPF Date Extracted:12/13/06

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 12/28/06 18:32

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
83-32-9	Acenaphthene	1.0	10		U
208-96-8	Acenaphthylene	1.0	10		U
98-86-2	Acetophenone	1.0	10		U
53-96-3	2-Acetylaminofluorene	2.1	10		U
92-67-1	4-Aminobiphenyl	2.1	10		U
62-53-3	Aniline	1.0	10		U
140-57-8	Aramite	1.0	10		U
120-12-7	Anthracene	1.0	10		U
1912-24-9	Atrazine	1.0	5.2		U
100-52-7	Benzaldehyde	1.0	5.2		U
56-55-3	Benzo(a)anthracene	1.0	10		U
205-99-2	Benzo(b)fluoranthene	1.0	10		U
207-08-9	Benzo(k)fluoranthene	1.0	10		U
191-24-2	Benzo(g,h,i)perylene	1.0	10		U
50-32-8	Benzo(a)pyrene	1.0	10		U
100-51-6	Benzyl alcohol	1.0	10		U
92-52-4	1,1'-Biphenyl	1.0	5.2		U
111-91-1	bis(2-Chloroethoxy)methane	1.0	10		U
111-44-4	bis(2-Chloroethyl)ether	1.0	10		U
108-60-1	bis(2-Chloroisopropyl)ether	1.0	10		U
117-81-7	Bis(2-ethylhexyl)phthalate	1.0	10		U
101-55-3	4-Bromophenyl-phenylether	1.0	10		U
85-68-7	Butylbenzylphthalate	1.0	10		U
105-60-2	Caprolactam	1.0	5.2		U
86-74-8	Carbazole	1.0	10		U
106-47-8	4-Chloroaniline	1.0	10		U
510-15-6	Chlorobenzilate	1.0	10		U
59-50-7	4-Chloro-3-methylphenol	1.0	10		U
91-58-7	2-Chloronaphthalene	1.0	10		U
95-57-8	2-Chlorophenol	1.0	10		U
7005-72-3	4-Chlorophenyl-phenylether	1.0	10		U
218-01-9	Chrysene	1.0	10		U
2303-16-4	Diallate	1.0	10		U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW03S-001

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW001

Matrix: (soil/water) WATER Lab Sample ID: 0612069-03

Sample wt/vol: 960.0 (g/mL) ML Lab File ID: 1206903

% Moisture: _____ decanted: (Y/N)___ Date Sampled: 12/06/06 17:00

Extraction: (SepF/Cont/Sonc/Soxh) SEPF Date Extracted:12/13/06

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 12/28/06 18:32

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
53-70-3	Dibenz(a,h)anthracene	1.0	10		U
132-64-9	Dibenzofuran	1.0	10		U
91-94-1	3,3'-Dichlorobenzidine	1.0	10		U
120-83-2	2,4-Dichlorophenol	1.0	10		U
87-65-0	2,6-Dichlorophenol	1.0	10		U
84-66-2	Diethylphthalate	1.0	10		U
60-51-5	Dimethoate	4.2	10		U
60-11-7	p-(Dimethylamino)azobenzene	1.0	10		U
57-97-6	7,12-Dimethylbenz[a]anthrace	1.0	10		U
119-93-7	3,3'-Dimethylbenzidine	44	52		U
122-09-8	a,a-Dimethyl-phenethylamine	1.0	10		U
105-67-9	2,4-Dimethylphenol	1.0	10		U
131-11-3	Dimethylphthalate	1.0	10		U
84-74-2	Di-n-butylphthalate	1.0	10		U
99-65-0	m-Dinitrobenzene	3.1	10		U
534-52-1	4,6-Dinitro-2-methylphenol	1.0	26		U
51-28-5	2,4-Dinitrophenol	10	26		U
121-14-2	2,4-Dinitrotoluene	1.0	10		U
606-20-2	2,6-Dinitrotoluene	1.0	10		U
117-84-0	Di-n-octylphthalate	1.0	10		U
122-39-4	Diphenylamine	1.0	10		U
62-50-0	Ethyl methanesulfonate	1.0	10		U
206-44-0	Fluoranthene	1.0	10		U
86-73-7	Fluorene	1.0	10		U
118-74-1	Hexachlorobenzene	1.0	10		U
87-68-3	Hexachlorobutadiene	1.0	10		U
77-47-4	Hexachlorocyclopentadiene	1.0	10		U
67-72-1	Hexachloroethane	1.0	10		U
70-30-4	Hexachlorophene	26	130		U
1888-71-7	Hexachloropropene	4.2	10		U
193-39-5	Indeno(1,2,3-cd)pyrene	1.0	10		U
465-73-6	Isodrin	2.1	10		U
78-59-1	Isophorone	1.0	10		U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW03S-001

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW001

Matrix: (soil/water) WATER Lab Sample ID: 0612069-03

Sample wt/vol: 960.0 (g/mL) ML Lab File ID: 1206903

% Moisture: _____ decanted: (Y/N)___ Date Sampled: 12/06/06 17:00

Extraction: (SepF/Cont/Sonc/Soxh) SEPF Date Extracted:12/13/06

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 12/28/06 18:32

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
120-58-1	Isosafrole	1.0	10		U
143-50-0	Kepone	1.0	10		U
91-80-5	Methapyrilene	1.0	10		U
56-49-5	3-Methylcholanthrene	1.0	10		U
66-27-3	Methyl methanesulfonate	1.0	5.2		U
91-57-6	2-Methylnaphthalene	1.0	10		U
106-44-5	4-Methylphenol	1.0	10		U
108-39-4	3-Methylphenol	1.0	10		U
95-48-7	2-Methylphenol	1.0	10		U
91-20-3	Naphthalene	1.0	10		U
130-15-4	1,4-Naphthoquinone	1.0	10		U
134-32-7	1-Naphthylamine	1.0	10		U
91-59-8	2-Naphthylamine	1.0	10		U
88-74-4	2-Nitroaniline	1.0	26		U
99-09-2	3-Nitroaniline	1.0	26		U
100-01-6	4-Nitroaniline	1.0	26		U
98-95-3	Nitrobenzene	1.0	10		U
88-75-5	2-Nitrophenol	1.0	10		U
100-02-7	4-Nitrophenol	5.2	26		U
56-57-5	4-Nitroquinoline-1-oxide	1.0	10		U
924-16-3	N-Nitrosodi-n-butylamine	1.0	10		U
55-18-5	N-Nitrosodiethylamine	1.0	10		U
62-75-9	N-Nitroso-di-methylamine	1.0	10		U
86-30-6	N-Nitrosodiphenylamine (1)	1.0	10		U
621-64-7	N-Nitroso-di-n-propylamine	0.83	10		U
10595-95-6	N-Nitrosomethylethylamine	4.2	10		U
59-89-2	N-Nitrosomorpholine	1.0	10		U
100-75-4	N-Nitrosopiperidine	1.0	10		U
930-55-2	N-Nitrosopyrrolidine	1.0	10		U
99-55-8	5-Nitro-o-toluidine	2.1	10		U
608-93-5	Pentachlorobenzene	4.2	10		U
82-68-8	Pentachloronitrobenzene	4.2	10		U
76-01-7	Pentachloroethane	4.2	10		U

(1) - Cannot be separated from Diphenylamine

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW03S-001

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW001

Matrix: (soil/water) WATER Lab Sample ID: 0612069-03

Sample wt/vol: 960.0 (g/mL) ML Lab File ID: 1206903

% Moisture: _____ decanted: (Y/N)___ Date Sampled: 12/06/06 17:00

Extraction: (SepF/Cont/Sonc/Soxh) SEPF Date Extracted:12/13/06

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 12/28/06 18:32

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
87-86-5	Pentachlorophenol	1.0	26		U
62-44-2	Phenacetin	1.0	10		U
85-01-8	Phenanthrene	1.0	10		U
108-95-2	Phenol	1.0	10		U
106-50-3	p-Phenylenediamine	1.0	10		U
109-06-8	2-Picoline	7.3	10		U
23950-58-5	Pronamide	1.0	10		U
129-00-0	Pyrene	1.0	10		U
110-86-1	Pyridine	1.0	10		U
94-59-7	Safrole	1.0	10		U
95-94-3	1,2,4,5-Tetrachlorobenzene	3.1	10		U
58-90-2	2,3,4,6-Tetrachlorophenol	1.0	10		U
95-53-4	o-Toluidine	4.2	10		U
120-82-1	1,2,4-Trichlorobenzene	1.0	10		U
95-95-4	2,4,5-Trichlorophenol	1.0	26		U
88-06-2	2,4,6-Trichlorophenol	1.0	10		U
126-68-1	O,O,O-Triethylphosphorothioa	3.1	10		U
99-35-4	sym-Trinitrobenzene	3.1	10		U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW085-001

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW001

Matrix: (soil/water) WATER Lab Sample ID: 0612081-01

Sample wt/vol: 950.0 (g/mL) ML Lab File ID: 1208101

% Moisture: _____ decanted: (Y/N)___ Date Sampled: 12/07/06 12:00

Extraction: (SepF/Cont/Sonc/Soxh) SEPF Date Extracted:12/11/06

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 12/27/06 17:42

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
83-32-9	Acenaphthene	1.0	10		U
208-96-8	Acenaphthylene	1.0	10		U
98-86-2	Acetophenone	1.0	10		U
53-96-3	2-Acetylaminofluorene	2.1	10		U
92-67-1	4-Aminobiphenyl	2.1	10		U
62-53-3	Aniline	1.0	10		U
140-57-8	Aramite	1.0	10		U
120-12-7	Anthracene	1.0	10		U
1912-24-9	Atrazine	1.0	5.3		U
100-52-7	Benzaldehyde	1.0	5.3		U
56-55-3	Benzo(a)anthracene	1.0	10		U
205-99-2	Benzo(b)fluoranthene	1.0	10		U
207-08-9	Benzo(k)fluoranthene	1.0	10		U
191-24-2	Benzo(g,h,i)perylene	1.0	10		U
50-32-8	Benzo(a)pyrene	1.0	10		U
100-51-6	Benzyl alcohol	1.0	10		U
92-52-4	1,1'-Biphenyl	1.0	5.3		U
111-91-1	bis(2-Chloroethoxy)methane	1.0	10		U
111-44-4	bis(2-Chloroethyl)ether	1.0	10		U
108-60-1	bis(2-Chloroisopropyl)ether	1.0	10		U
117-81-7	Bis(2-ethylhexyl)phthalate	1.0	10		U
101-55-3	4-Bromophenyl-phenylether	1.0	10		U
85-68-7	Butylbenzylphthalate	1.0	10		U
105-60-2	Caprolactam	1.0	5.3		U
86-74-8	Carbazole	1.0	10		U
106-47-8	4-Chloroaniline	1.0	10		U
510-15-6	Chlorobenzilate	1.0	10		U
59-50-7	4-Chloro-3-methylphenol	1.0	10		U
91-58-7	2-Chloronaphthalene	1.0	10		U
95-57-8	2-Chlorophenol	1.0	10		U
7005-72-3	4-Chlorophenyl-phenylether	1.0	10		U
218-01-9	Chrysene	1.0	10		U
2303-16-4	Diallate	1.0	10		U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW085-001

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW001

Matrix: (soil/water) WATER Lab Sample ID: 0612081-01

Sample wt/vol: 950.0 (g/mL) ML Lab File ID: 1208101

% Moisture: _____ decanted: (Y/N)___ Date Sampled: 12/07/06 12:00

Extraction: (SepF/Cont/Sonc/Soxh) SEPF Date Extracted:12/11/06

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 12/27/06 17:42

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
53-70-3	Dibenz(a,h)anthracene	1.0	10		U
132-64-9	Dibenzofuran	1.0	10		U
91-94-1	3,3'-Dichlorobenzidine	1.0	10		U
120-83-2	2,4-Dichlorophenol	1.0	10		U
87-65-0	2,6-Dichlorophenol	1.0	10		U
84-66-2	Diethylphthalate	10	10		U
60-51-5	Dimethoate	4.2	10		U
60-11-7	p-(Dimethylamino)azobenzene	1.0	10		U
57-97-6	7,12-Dimethylbenz[a]anthrace	1.0	10		U
119-93-7	3,3'-Dimethylbenzidine	44	53		U
122-09-8	a,a-Dimethyl-phenethylamine	1.0	10		U
105-67-9	2,4-Dimethylphenol	1.0	10		U
131-11-3	Dimethylphthalate	1.0	10		U
84-74-2	Di-n-butylphthalate	1.0	10		U
99-65-0	m-Dinitrobenzene	3.2	10		U
534-52-1	4,6-Dinitro-2-methylphenol	1.0	26		U
51-28-5	2,4-Dinitrophenol	10	26		U
121-14-2	2,4-Dinitrotoluene	1.0	10		U
606-20-2	2,6-Dinitrotoluene	1.0	10		U
117-84-0	Di-n-octylphthalate	1.0	10		U
122-39-4	Diphenylamine	1.0	10		U
62-50-0	Ethyl methanesulfonate	1.0	10		U
206-44-0	Fluoranthene	1.0	10		U
86-73-7	Fluorene	1.0	10		U
118-74-1	Hexachlorobenzene	1.0	10		U
87-68-3	Hexachlorobutadiene	1.0	10		U
77-47-4	Hexachlorocyclopentadiene	1.0	10		U
67-72-1	Hexachloroethane	1.0	10		U
70-30-4	Hexachlorophene	26	130		U
1888-71-7	Hexachloropropene	4.2	10		U
193-39-5	Indeno(1,2,3-cd)pyrene	1.0	10		U
465-73-6	Isodrin	2.1	10		U
78-59-1	Isophorone	1.0	10		U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW085-001

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW001

Matrix: (soil/water) WATER Lab Sample ID: 0612081-01

Sample wt/vol: 950.0 (g/mL) ML Lab File ID: 1208101

% Moisture: _____ decanted: (Y/N)___ Date Sampled: 12/07/06 12:00

Extraction: (SepF/Cont/Sonc/Soxh) SEPF Date Extracted:12/11/06

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 12/27/06 17:42

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
120-58-1	Isosafrole	1.0	10		U
143-50-0	Kepone	1.0	10		U
91-80-5	Methapyrilene	1.0	10		U
56-49-5	3-Methylcholanthrene	1.0	10		U
66-27-3	Methyl methanesulfonate	1.0	5.3		U
91-57-6	2-Methylnaphthalene	1.0	10		U
106-44-5	4-Methylphenol	1.0	10		U
108-39-4	3-Methylphenol	1.0	10		U
95-48-7	2-Methylphenol	1.0	10		U
91-20-3	Naphthalene	1.0	10		U
130-15-4	1,4-Naphthoquinone	1.0	10		U
134-32-7	1-Naphthylamine	1.0	10		U
91-59-8	2-Naphthylamine	1.0	10		U
88-74-4	2-Nitroaniline	1.0	26		U
99-09-2	3-Nitroaniline	1.0	26		U
100-01-6	4-Nitroaniline	1.0	26		U
98-95-3	Nitrobenzene	1.0	10		U
88-75-5	2-Nitrophenol	1.0	10		U
100-02-7	4-Nitrophenol	5.3	26		U
56-57-5	4-Nitroquinoline-1-oxide	1.0	10		U
924-16-3	N-Nitrosodi-n-butylamine	1.0	10		U
55-18-5	N-Nitrosodiethylamine	1.0	10		U
62-75-9	N-Nitroso-di-methylamine	1.0	10		U
86-30-6	N-Nitrosodiphenylamine (1)	1.0	10		U
621-64-7	N-Nitroso-di-n-propylamine	0.84	10		U
10595-95-6	N-Nitrosomethylethylamine	4.2	10		U
59-89-2	N-Nitrosomorpholine	1.0	10		U
100-75-4	N-Nitrosopiperidine	1.0	10		U
930-55-2	N-Nitrosopyrrolidine	1.0	10		U
99-55-8	5-Nitro-o-toluidine	2.1	10		U
608-93-5	Pentachlorobenzene	4.2	10		U
82-68-8	Pentachloronitrobenzene	4.2	10		U
76-01-7	Pentachloroethane	4.2	10		U

(1) - Cannot be separated from Diphenylamine

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW085-001

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW001

Matrix: (soil/water) WATER Lab Sample ID: 0612081-01

Sample wt/vol: 950.0 (g/mL) ML Lab File ID: 1208101

% Moisture: _____ decanted: (Y/N)___ Date Sampled: 12/07/06 12:00

Extraction: (SepF/Cont/Sonc/Soxh) SEPF Date Extracted:12/11/06

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 12/27/06 17:42

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
87-86-5	Pentachlorophenol	10	26		U
62-44-2	Phenacetin	1.0	10		U
85-01-8	Phenanthrene	1.0	10		U
108-95-2	Phenol	1.0	10		U
106-50-3	p-Phenylenediamine	1.0	10		U
109-06-8	2-Picoline	7.4	10		U
23950-58-5	Pronamide	1.0	10		U
129-00-0	Pyrene	1.0	10		U
110-86-1	Pyridine	1.0	10		U
94-59-7	Safrole	1.0	10		U
95-94-3	1,2,4,5-Tetrachlorobenzene	3.2	10		U
58-90-2	2,3,4,6-Tetrachlorophenol	1.0	10		U
95-53-4	o-Toluidine	4.2	10		U
120-82-1	1,2,4-Trichlorobenzene	1.0	10		U
95-95-4	2,4,5-Trichlorophenol	1.0	26		U
88-06-2	2,4,6-Trichlorophenol	1.0	10		U
126-68-1	O,O,O-Triethylphosphorothioa	3.2	10		U
99-35-4	sym-Trinitrobenzene	3.2	10		U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.
OLFS4-MW
08S-001-D

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW001

Matrix: (soil/water) WATER Lab Sample ID: 0612081-02

Sample wt/vol: 940.0 (g/mL) ML Lab File ID: 1208102

% Moisture: _____ decanted: (Y/N)___ Date Sampled: 12/07/06 12:00

Extraction: (SepF/Cont/Sonc/Soxh) SEPF Date Extracted:12/11/06

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 12/27/06 18:18

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
83-32-9	Acenaphthene	1.1	11		U
208-96-8	Acenaphthylene	1.1	11		U
98-86-2	Acetophenone	1.1	11		U
53-96-3	2-Acetylaminofluorene	2.1	11		U
92-67-1	4-Aminobiphenyl	2.1	11		U
62-53-3	Aniline	1.1	11		U
140-57-8	Aramite	1.1	11		U
120-12-7	Anthracene	1.1	11		U
1912-24-9	Atrazine	1.1	5.3		U
100-52-7	Benzaldehyde	1.1	5.3		U
56-55-3	Benzo(a)anthracene	1.1	11		U
205-99-2	Benzo(b)fluoranthene	1.1	11		U
207-08-9	Benzo(k)fluoranthene	1.1	11		U
191-24-2	Benzo(g,h,i)perylene	1.1	11		U
50-32-8	Benzo(a)pyrene	1.1	11		U
100-51-6	Benzyl alcohol	1.1	11		U
92-52-4	1,1'-Biphenyl	1.1	5.3		U
111-91-1	bis(2-Chloroethoxy)methane	1.1	11		U
111-44-4	bis(2-Chloroethyl)ether	1.1	11		U
108-60-1	bis(2-Chloroisopropyl)ether	1.1	11		U
117-81-7	Bis(2-ethylhexyl)phthalate	1.1	11		U
101-55-3	4-Bromophenyl-phenylether	1.1	11		U
85-68-7	Butylbenzylphthalate	1.1	11		U
105-60-2	Caprolactam	1.1	5.3		U
86-74-8	Carbazole	1.1	11		U
106-47-8	4-Chloroaniline	1.1	11		U
510-15-6	Chlorobenzilate	1.1	11		U
59-50-7	4-Chloro-3-methylphenol	1.1	11		U
91-58-7	2-Chloronaphthalene	1.1	11		U
95-57-8	2-Chlorophenol	1.1	11		U
7005-72-3	4-Chlorophenyl-phenylether	1.1	11		U
218-01-9	Chrysene	1.1	11		U
2303-16-4	Diallate	1.1	11		U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.
OLFS4-MW
08S-001-D

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW001

Matrix: (soil/water) WATER Lab Sample ID: 0612081-02

Sample wt/vol: 940.0 (g/mL) ML Lab File ID: 1208102

% Moisture: _____ decanted: (Y/N)___ Date Sampled: 12/07/06 12:00

Extraction: (SepF/Cont/Sonc/Soxh) SEPF Date Extracted:12/11/06

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 12/27/06 18:18

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
53-70-3	Dibenz(a,h)anthracene	1.1	11		U
132-64-9	Dibenzofuran	1.1	11		U
91-94-1	3,3'-Dichlorobenzidine	1.1	11		U
120-83-2	2,4-Dichlorophenol	1.1	11		U
87-65-0	2,6-Dichlorophenol	1.1	11		U
84-66-2	Diethylphthalate	11	11		U
60-51-5	Dimethoate	4.2	11		U
60-11-7	p-(Dimethylamino)azobenzene	1.1	11		U
57-97-6	7,12-Dimethylbenz[a]anthrace	1.1	11		U
119-93-7	3,3'-Dimethylbenzidine	45	53		U
122-09-8	a,a-Dimethyl-phenethylamine	1.1	11		U
105-67-9	2,4-Dimethylphenol	1.1	11		U
131-11-3	Dimethylphthalate	1.1	11		U
84-74-2	Di-n-butylphthalate	1.1	11		U
99-65-0	m-Dinitrobenzene	3.2	11		U
534-52-1	4,6-Dinitro-2-methylphenol	1.1	26		U
51-28-5	2,4-Dinitrophenol	11	26		U
121-14-2	2,4-Dinitrotoluene	1.1	11		U
606-20-2	2,6-Dinitrotoluene	1.1	11		U
117-84-0	Di-n-octylphthalate	1.1	11		U
122-39-4	Diphenylamine	1.1	11		U
62-50-0	Ethyl methanesulfonate	1.1	11		U
206-44-0	Fluoranthene	1.1	11		U
86-73-7	Fluorene	1.1	11		U
118-74-1	Hexachlorobenzene	1.1	11		U
87-68-3	Hexachlorobutadiene	1.1	11		U
77-47-4	Hexachlorocyclopentadiene	1.1	11		U
67-72-1	Hexachloroethane	1.1	11		U
70-30-4	Hexachlorophene	26	130		U
1888-71-7	Hexachloropropene	4.2	11		U
193-39-5	Indeno(1,2,3-cd)pyrene	1.1	11		U
465-73-6	Isodrin	2.1	11		U
78-59-1	Isophorone	1.1	11		U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.
OLFS4-MW
08S-001-D

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW001

Matrix: (soil/water) WATER Lab Sample ID: 0612081-02

Sample wt/vol: 940.0 (g/mL) ML Lab File ID: 1208102

% Moisture: _____ decanted: (Y/N)___ Date Sampled: 12/07/06 12:00

Extraction: (SepF/Cont/Sonc/Soxh) SEPF Date Extracted:12/11/06

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 12/27/06 18:18

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
120-58-1	Isosafrole	1.1	11		U
143-50-0	Kepone	1.1	11		U
91-80-5	Methapyrilene	1.1	11		U
56-49-5	3-Methylcholanthrene	1.1	11		U
66-27-3	Methyl methanesulfonate	1.1	5.3		U
91-57-6	2-Methylnaphthalene	1.1	11		U
106-44-5	4-Methylphenol	1.1	11		U
108-39-4	3-Methylphenol	1.1	11		U
95-48-7	2-Methylphenol	1.1	11		U
91-20-3	Naphthalene	1.1	11		U
130-15-4	1,4-Naphthoquinone	1.1	11		U
134-32-7	1-Naphthylamine	1.1	11		U
91-59-8	2-Naphthylamine	1.1	11		U
88-74-4	2-Nitroaniline	1.1	26		U
99-09-2	3-Nitroaniline	1.1	26		U
100-01-6	4-Nitroaniline	1.1	26		U
98-95-3	Nitrobenzene	1.1	11		U
88-75-5	2-Nitrophenol	1.1	11		U
100-02-7	4-Nitrophenol	5.3	26		U
56-57-5	4-Nitroquinoline-1-oxide	1.1	11		U
924-16-3	N-Nitrosodi-n-butylamine	1.1	11		U
55-18-5	N-Nitrosodiethylamine	1.1	11		U
62-75-9	N-Nitroso-di-methylamine	1.1	11		U
86-30-6	N-Nitrosodiphenylamine (1)	1.1	11		U
621-64-7	N-Nitroso-di-n-propylamine	0.85	11		U
10595-95-6	N-Nitrosomethylethylamine	4.2	11		U
59-89-2	N-Nitrosomorpholine	1.1	11		U
100-75-4	N-Nitrosopiperidine	1.1	11		U
930-55-2	N-Nitrosopyrrolidine	1.1	11		U
99-55-8	5-Nitro-o-toluidine	2.1	11		U
608-93-5	Pentachlorobenzene	4.2	11		U
82-68-8	Pentachloronitrobenzene	4.2	11		U
76-01-7	Pentachloroethane	4.2	11		U

(1) - Cannot be separated from Diphenylamine

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.
OLFS4-MW
08S-001-D

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW001

Matrix: (soil/water) WATER Lab Sample ID: 0612081-02

Sample wt/vol: 940.0 (g/mL) ML Lab File ID: 1208102

% Moisture: _____ decanted: (Y/N)___ Date Sampled: 12/07/06 12:00

Extraction: (SepF/Cont/Sonc/Soxh) SEPF Date Extracted:12/11/06

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 12/27/06 18:18

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
87-86-5	Pentachlorophenol	11	26		U
62-44-2	Phenacetin	1.1	11		U
85-01-8	Phenanthrene	1.1	11		U
108-95-2	Phenol	1.1	11		U
106-50-3	p-Phenylenediamine	1.1	11		U
109-06-8	2-Picoline	7.4	11		U
23950-58-5	Pronamide	1.1	11		U
129-00-0	Pyrene	1.1	11		U
110-86-1	Pyridine	1.1	11		U
94-59-7	Safrole	1.1	11		U
95-94-3	1,2,4,5-Tetrachlorobenzene	3.2	11		U
58-90-2	2,3,4,6-Tetrachlorophenol	1.1	11		U
95-53-4	o-Toluidine	4.2	11		U
120-82-1	1,2,4-Trichlorobenzene	1.1	11		U
95-95-4	2,4,5-Trichlorophenol	1.1	26		U
88-06-2	2,4,6-Trichlorophenol	1.1	11		U
126-68-1	O,O,O-Triethylphosphorothioa	3.2	11		U
99-35-4	sym-Trinitrobenzene	3.2	11		U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW5S-001

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW001

Matrix: (soil/water) WATER Lab Sample ID: 0612081-04

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 1208104

% Moisture: _____ decanted: (Y/N)___ Date Sampled: 12/07/06 17:30

Extraction: (SepF/Cont/Sonc/Soxh) SEPF Date Extracted:12/11/06

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 12/27/06 18:53

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
83-32-9	Acenaphthene	1.0	10		U
208-96-8	Acenaphthylene	1.0	10		U
98-86-2	Acetophenone	1.0	10		U
53-96-3	2-Acetylaminofluorene	2.0	10		U
92-67-1	4-Aminobiphenyl	2.0	10		U
62-53-3	Aniline	1.0	10		U
140-57-8	Aramite	1.0	10		U
120-12-7	Anthracene	1.0	10		U
1912-24-9	Atrazine	1.0	5.0		U
100-52-7	Benzaldehyde	1.0	5.0		U
56-55-3	Benzo(a)anthracene	1.0	10		U
205-99-2	Benzo(b)fluoranthene	1.0	10		U
207-08-9	Benzo(k)fluoranthene	1.0	10		U
191-24-2	Benzo(g,h,i)perylene	1.0	10		U
50-32-8	Benzo(a)pyrene	1.0	10		U
100-51-6	Benzyl alcohol	1.0	10		U
92-52-4	1,1'-Biphenyl	1.0	5.0		U
111-91-1	bis(2-Chloroethoxy)methane	1.0	10		U
111-44-4	bis(2-Chloroethyl)ether	1.0	10		U
108-60-1	bis(2-Chloroisopropyl)ether	1.0	10		U
117-81-7	Bis(2-ethylhexyl)phthalate	1.0	10	1.4	I
101-55-3	4-Bromophenyl-phenylether	1.0	10		U
85-68-7	Butylbenzylphthalate	1.0	10	1.6	I
105-60-2	Caprolactam	1.0	5.0		U
86-74-8	Carbazole	1.0	10		U
106-47-8	4-Chloroaniline	1.0	10		U
510-15-6	Chlorobenzilate	1.0	10		U
59-50-7	4-Chloro-3-methylphenol	1.0	10		U
91-58-7	2-Chloronaphthalene	1.0	10		U
95-57-8	2-Chlorophenol	1.0	10		U
7005-72-3	4-Chlorophenyl-phenylether	1.0	10		U
218-01-9	Chrysene	1.0	10		U
2303-16-4	Diallate	1.0	10		U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW5S-001

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW001

Matrix: (soil/water) WATER Lab Sample ID: 0612081-04

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 1208104

% Moisture: _____ decanted: (Y/N)___ Date Sampled: 12/07/06 17:30

Extraction: (SepF/Cont/Sonc/Soxh) SEPF Date Extracted:12/11/06

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 12/27/06 18:53

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
53-70-3	Dibenz(a,h)anthracene	1.0	10		U
132-64-9	Dibenzofuran	1.0	10		U
91-94-1	3,3'-Dichlorobenzidine	1.0	10		U
120-83-2	2,4-Dichlorophenol	1.0	10		U
87-65-0	2,6-Dichlorophenol	1.0	10		U
84-66-2	Diethylphthalate	10	10		U
60-51-5	Dimethoate	4.0	10		U
60-11-7	p-(Dimethylamino)azobenzene	1.0	10		U
57-97-6	7,12-Dimethylbenz[a]anthrace	1.0	10		U
119-93-7	3,3'-Dimethylbenzidine	42	50		U
122-09-8	a,a-Dimethyl-phenethylamine	1.0	10		U
105-67-9	2,4-Dimethylphenol	1.0	10		U
131-11-3	Dimethylphthalate	1.0	10		U
84-74-2	Di-n-butylphthalate	1.0	10		U
99-65-0	m-Dinitrobenzene	3.0	10		U
534-52-1	4,6-Dinitro-2-methylphenol	1.0	25		U
51-28-5	2,4-Dinitrophenol	10	25		U
121-14-2	2,4-Dinitrotoluene	1.0	10		U
606-20-2	2,6-Dinitrotoluene	1.0	10		U
117-84-0	Di-n-octylphthalate	1.0	10		U
122-39-4	Diphenylamine	1.0	10		U
62-50-0	Ethyl methanesulfonate	1.0	10		U
206-44-0	Fluoranthene	1.0	10		U
86-73-7	Fluorene	1.0	10		U
118-74-1	Hexachlorobenzene	1.0	10		U
87-68-3	Hexachlorobutadiene	1.0	10		U
77-47-4	Hexachlorocyclopentadiene	1.0	10		U
67-72-1	Hexachloroethane	1.0	10		U
70-30-4	Hexachlorophene	25	120		U
1888-71-7	Hexachloropropene	4.0	10		U
193-39-5	Indeno(1,2,3-cd)pyrene	1.0	10		U
465-73-6	Isodrin	2.0	10		U
78-59-1	Isophorone	1.0	10		U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW5S-001

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW001

Matrix: (soil/water) WATER Lab Sample ID: 0612081-04

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 1208104

% Moisture: _____ decanted: (Y/N)___ Date Sampled: 12/07/06 17:30

Extraction: (SepF/Cont/Sonc/Soxh) SEPF Date Extracted:12/11/06

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 12/27/06 18:53

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
120-58-1	Isosafrole	1.0	10		U
143-50-0	Kepone	1.0	10		U
91-80-5	Methapyrilene	1.0	10		U
56-49-5	3-Methylcholanthrene	1.0	10		U
66-27-3	Methyl methanesulfonate	1.0	5.0		U
91-57-6	2-Methylnaphthalene	1.0	10	7.9	I
106-44-5	4-Methylphenol	1.0	10		U
108-39-4	3-Methylphenol	1.0	10		U
95-48-7	2-Methylphenol	1.0	10		U
91-20-3	Naphthalene	1.0	10	13	
130-15-4	1,4-Naphthoquinone	1.0	10		U
134-32-7	1-Naphthylamine	1.0	10		U
91-59-8	2-Naphthylamine	1.0	10		U
88-74-4	2-Nitroaniline	1.0	25		U
99-09-2	3-Nitroaniline	1.0	25		U
100-01-6	4-Nitroaniline	1.0	25		U
98-95-3	Nitrobenzene	1.0	10		U
88-75-5	2-Nitrophenol	1.0	10		U
100-02-7	4-Nitrophenol	5.0	25		U
56-57-5	4-Nitroquinoline-1-oxide	1.0	10		U
924-16-3	N-Nitrosodi-n-butylamine	1.0	10		U
55-18-5	N-Nitrosodiethylamine	1.0	10		U
62-75-9	N-Nitroso-di-methylamine	1.0	10		U
86-30-6	N-Nitrosodiphenylamine (1)	1.0	10		U
621-64-7	N-Nitroso-di-n-propylamine	0.80	10		U
10595-95-6	N-Nitrosomethylethylamine	4.0	10		U
59-89-2	N-Nitrosomorpholine	1.0	10		U
100-75-4	N-Nitrosopiperidine	1.0	10		U
930-55-2	N-Nitrosopyrrolidine	1.0	10		U
99-55-8	5-Nitro-o-toluidine	2.0	10		U
608-93-5	Pentachlorobenzene	4.0	10		U
82-68-8	Pentachloronitrobenzene	4.0	10		U
76-01-7	Pentachloroethane	4.0	10		U

(1) - Cannot be separated from Diphenylamine

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW5S-001

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW001

Matrix: (soil/water) WATER Lab Sample ID: 0612081-04

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 1208104

% Moisture: _____ decanted: (Y/N)___ Date Sampled: 12/07/06 17:30

Extraction: (SepF/Cont/Sonc/Soxh) SEPF Date Extracted:12/11/06

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 12/27/06 18:53

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
87-86-5	Pentachlorophenol	10	25		U
62-44-2	Phenacetin	1.0	10		U
85-01-8	Phenanthrene	1.0	10		U
108-95-2	Phenol	1.0	10		U
106-50-3	p-Phenylenediamine	1.0	10		U
109-06-8	2-Picoline	7.0	10		U
23950-58-5	Pronamide	1.0	10		U
129-00-0	Pyrene	1.0	10		U
110-86-1	Pyridine	1.0	10		U
94-59-7	Safrole	1.0	10		U
95-94-3	1,2,4,5-Tetrachlorobenzene	3.0	10		U
58-90-2	2,3,4,6-Tetrachlorophenol	1.0	10		U
95-53-4	o-Toluidine	4.0	10		U
120-82-1	1,2,4-Trichlorobenzene	1.0	10		U
95-95-4	2,4,5-Trichlorophenol	1.0	25		U
88-06-2	2,4,6-Trichlorophenol	1.0	10		U
126-68-1	O,O,O-Triethylphosphorothioa	3.0	10		U
99-35-4	sym-Trinitrobenzene	3.0	10		U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLSF4-MW
-16S-001

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW001

Matrix: (soil/water) WATER Lab Sample ID: 0612081-05

Sample wt/vol: 960.0 (g/mL) ML Lab File ID: 1208105

% Moisture: _____ decanted: (Y/N)___ Date Sampled: 12/07/06 16:00

Extraction: (SepF/Cont/Sonc/Soxh) SEPF Date Extracted:12/11/06

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 12/27/06 19:29

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
83-32-9	Acenaphthene	1.0	10		U
208-96-8	Acenaphthylene	1.0	10		U
98-86-2	Acetophenone	1.0	10		U
53-96-3	2-Acetylaminofluorene	2.1	10		U
92-67-1	4-Aminobiphenyl	2.1	10		U
62-53-3	Aniline	1.0	10		U
140-57-8	Aramite	1.0	10		U
120-12-7	Anthracene	1.0	10		U
1912-24-9	Atrazine	1.0	5.2		U
100-52-7	Benzaldehyde	1.0	5.2		U
56-55-3	Benzo(a)anthracene	1.0	10		U
205-99-2	Benzo(b)fluoranthene	1.0	10		U
207-08-9	Benzo(k)fluoranthene	1.0	10		U
191-24-2	Benzo(g,h,i)perylene	1.0	10		U
50-32-8	Benzo(a)pyrene	1.0	10		U
100-51-6	Benzyl alcohol	1.0	10		U
92-52-4	1,1'-Biphenyl	1.0	5.2		U
111-91-1	bis(2-Chloroethoxy)methane	1.0	10		U
111-44-4	bis(2-Chloroethyl)ether	1.0	10		U
108-60-1	bis(2-Chloroisopropyl)ether	1.0	10		U
117-81-7	Bis(2-ethylhexyl)phthalate	1.0	10		U
101-55-3	4-Bromophenyl-phenylether	1.0	10		U
85-68-7	Butylbenzylphthalate	1.0	10	1.6	I
105-60-2	Caprolactam	1.0	5.2	3.6	I
86-74-8	Carbazole	1.0	10		U
106-47-8	4-Chloroaniline	1.0	10		U
510-15-6	Chlorobenzilate	1.0	10		U
59-50-7	4-Chloro-3-methylphenol	1.0	10		U
91-58-7	2-Chloronaphthalene	1.0	10		U
95-57-8	2-Chlorophenol	1.0	10		U
7005-72-3	4-Chlorophenyl-phenylether	1.0	10		U
218-01-9	Chrysene	1.0	10		U
2303-16-4	Diallate	1.0	10		U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.
OLSF4-MW
-16S-001

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW001

Matrix: (soil/water) WATER Lab Sample ID: 0612081-05

Sample wt/vol: 960.0 (g/mL) ML Lab File ID: 1208105

% Moisture: _____ decanted: (Y/N)___ Date Sampled: 12/07/06 16:00

Extraction: (SepF/Cont/Sonc/Soxh) SEPF Date Extracted:12/11/06

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 12/27/06 19:29

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
53-70-3	Dibenz(a,h)anthracene	1.0	10		U
132-64-9	Dibenzofuran	1.0	10		U
91-94-1	3,3'-Dichlorobenzidine	1.0	10		U
120-83-2	2,4-Dichlorophenol	1.0	10		U
87-65-0	2,6-Dichlorophenol	1.0	10		U
84-66-2	Diethylphthalate	10	10		U
60-51-5	Dimethoate	4.2	10		U
60-11-7	p-(Dimethylamino)azobenzene	1.0	10		U
57-97-6	7,12-Dimethylbenz[a]anthrace	1.0	10		U
119-93-7	3,3'-Dimethylbenzidine	44	52		U
122-09-8	a,a-Dimethyl-phenethylamine	1.0	10		U
105-67-9	2,4-Dimethylphenol	1.0	10		U
131-11-3	Dimethylphthalate	1.0	10		U
84-74-2	Di-n-butylphthalate	1.0	10	1.4	I
99-65-0	m-Dinitrobenzene	3.1	10		U
534-52-1	4,6-Dinitro-2-methylphenol	1.0	26		U
51-28-5	2,4-Dinitrophenol	10	26		U
121-14-2	2,4-Dinitrotoluene	1.0	10		U
606-20-2	2,6-Dinitrotoluene	1.0	10		U
117-84-0	Di-n-octylphthalate	1.0	10		U
122-39-4	Diphenylamine	1.0	10		U
62-50-0	Ethyl methanesulfonate	1.0	10		U
206-44-0	Fluoranthene	1.0	10		U
86-73-7	Fluorene	1.0	10		U
118-74-1	Hexachlorobenzene	1.0	10		U
87-68-3	Hexachlorobutadiene	1.0	10		U
77-47-4	Hexachlorocyclopentadiene	1.0	10		U
67-72-1	Hexachloroethane	1.0	10		U
70-30-4	Hexachlorophene	26	130		U
1888-71-7	Hexachloropropene	4.2	10		U
193-39-5	Indeno(1,2,3-cd)pyrene	1.0	10		U
465-73-6	Isodrin	2.1	10		U
78-59-1	Isophorone	1.0	10		U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.
OLSF4-MW
-16S-001

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW001

Matrix: (soil/water) WATER Lab Sample ID: 0612081-05

Sample wt/vol: 960.0 (g/mL) ML Lab File ID: 1208105

% Moisture: _____ decanted: (Y/N)___ Date Sampled: 12/07/06 16:00

Extraction: (SepF/Cont/Sonc/Soxh) SEPF Date Extracted:12/11/06

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 12/27/06 19:29

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
120-58-1	Isosafrole	1.0	10		U
143-50-0	Kepone	1.0	10		U
91-80-5	Methapyrilene	1.0	10		U
56-49-5	3-Methylcholanthrene	1.0	10		U
66-27-3	Methyl methanesulfonate	1.0	5.2		U
91-57-6	2-Methylnaphthalene	1.0	10		U
106-44-5	4-Methylphenol	1.0	10		U
108-39-4	3-Methylphenol	1.0	10		U
95-48-7	2-Methylphenol	1.0	10		U
91-20-3	Naphthalene	1.0	10		U
130-15-4	1,4-Naphthoquinone	1.0	10		U
134-32-7	1-Naphthylamine	1.0	10		U
91-59-8	2-Naphthylamine	1.0	10		U
88-74-4	2-Nitroaniline	1.0	26		U
99-09-2	3-Nitroaniline	1.0	26		U
100-01-6	4-Nitroaniline	1.0	26		U
98-95-3	Nitrobenzene	1.0	10		U
88-75-5	2-Nitrophenol	1.0	10		U
100-02-7	4-Nitrophenol	5.2	26		U
56-57-5	4-Nitroquinoline-1-oxide	1.0	10		U
924-16-3	N-Nitrosodi-n-butylamine	1.0	10		U
55-18-5	N-Nitrosodiethylamine	1.0	10		U
62-75-9	N-Nitroso-di-methylamine	1.0	10		U
86-30-6	N-Nitrosodiphenylamine (1)	1.0	10		U
621-64-7	N-Nitroso-di-n-propylamine	0.83	10		U
10595-95-6	N-Nitrosomethylethylamine	4.2	10		U
59-89-2	N-Nitrosomorpholine	1.0	10		U
100-75-4	N-Nitrosopiperidine	1.0	10		U
930-55-2	N-Nitrosopyrrolidine	1.0	10		U
99-55-8	5-Nitro-o-toluidine	2.1	10		U
608-93-5	Pentachlorobenzene	4.2	10		U
82-68-8	Pentachloronitrobenzene	4.2	10		U
76-01-7	Pentachloroethane	4.2	10		U

(1) - Cannot be separated from Diphenylamine

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.
OLSF4-MW
-16S-001

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW001

Matrix: (soil/water) WATER Lab Sample ID: 0612081-05

Sample wt/vol: 960.0 (g/mL) ML Lab File ID: 1208105

% Moisture: _____ decanted: (Y/N)___ Date Sampled: 12/07/06 16:00

Extraction: (SepF/Cont/Sonc/Soxh) SEPF Date Extracted:12/11/06

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 12/27/06 19:29

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
87-86-5	Pentachlorophenol	10	26		U
62-44-2	Phenacetin	1.0	10		U
85-01-8	Phenanthrene	1.0	10		U
108-95-2	Phenol	1.0	10		U
106-50-3	p-Phenylenediamine	1.0	10		U
109-06-8	2-Picoline	7.3	10		U
23950-58-5	Pronamide	1.0	10		U
129-00-0	Pyrene	1.0	10		U
110-86-1	Pyridine	1.0	10		U
94-59-7	Safrole	1.0	10		U
95-94-3	1,2,4,5-Tetrachlorobenzene	3.1	10		U
58-90-2	2,3,4,6-Tetrachlorophenol	1.0	10		U
95-53-4	o-Toluidine	4.2	10		U
120-82-1	1,2,4-Trichlorobenzene	1.0	10		U
95-95-4	2,4,5-Trichlorophenol	1.0	26		U
88-06-2	2,4,6-Trichlorophenol	1.0	10		U
126-68-1	O,O,O-Triethylphosphorothioa	3.1	10		U
99-35-4	sym-Trinitrobenzene	3.1	10		U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.
OLSF4-MW
-19S-001

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW001

Matrix: (soil/water) WATER Lab Sample ID: 0612081-06

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 1208106

% Moisture: _____ decanted: (Y/N)___ Date Sampled: 12/07/06 16:00

Extraction: (SepF/Cont/Sonc/Soxh) SEPF Date Extracted:12/11/06

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 12/27/06 20:05

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
83-32-9	Acenaphthene	1.0	10		U
208-96-8	Acenaphthylene	1.0	10		U
98-86-2	Acetophenone	1.0	10		U
53-96-3	2-Acetylaminofluorene	2.0	10		U
92-67-1	4-Aminobiphenyl	2.0	10		U
62-53-3	Aniline	1.0	10		U
140-57-8	Aramite	1.0	10		U
120-12-7	Anthracene	1.0	10		U
1912-24-9	Atrazine	1.0	5.0		U
100-52-7	Benzaldehyde	1.0	5.0		U
56-55-3	Benzo(a)anthracene	1.0	10		U
205-99-2	Benzo(b)fluoranthene	1.0	10		U
207-08-9	Benzo(k)fluoranthene	1.0	10		U
191-24-2	Benzo(g,h,i)perylene	1.0	10		U
50-32-8	Benzo(a)pyrene	1.0	10		U
100-51-6	Benzyl alcohol	1.0	10		U
92-52-4	1,1'-Biphenyl	1.0	5.0		U
111-91-1	bis(2-Chloroethoxy)methane	1.0	10		U
111-44-4	bis(2-Chloroethyl)ether	1.0	10		U
108-60-1	bis(2-Chloroisopropyl)ether	1.0	10		U
117-81-7	Bis(2-ethylhexyl)phthalate	1.0	10		U
101-55-3	4-Bromophenyl-phenylether	1.0	10		U
85-68-7	Butylbenzylphthalate	1.0	10		U
105-60-2	Caprolactam	1.0	5.0	4.4	I
86-74-8	Carbazole	1.0	10		U
106-47-8	4-Chloroaniline	1.0	10		U
510-15-6	Chlorobenzilate	1.0	10		U
59-50-7	4-Chloro-3-methylphenol	1.0	10		U
91-58-7	2-Chloronaphthalene	1.0	10		U
95-57-8	2-Chlorophenol	1.0	10		U
7005-72-3	4-Chlorophenyl-phenylether	1.0	10		U
218-01-9	Chrysene	1.0	10		U
2303-16-4	Diallate	1.0	10		U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.
OLSF4-MW
-19S-001

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW001

Matrix: (soil/water) WATER Lab Sample ID: 0612081-06

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 1208106

% Moisture: _____ decanted: (Y/N)___ Date Sampled: 12/07/06 16:00

Extraction: (SepF/Cont/Sonc/Soxh) SEPF Date Extracted:12/11/06

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 12/27/06 20:05

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
53-70-3	Dibenz(a,h)anthracene	1.0	10		U
132-64-9	Dibenzofuran	1.0	10		U
91-94-1	3,3'-Dichlorobenzidine	1.0	10		U
120-83-2	2,4-Dichlorophenol	1.0	10		U
87-65-0	2,6-Dichlorophenol	1.0	10		U
84-66-2	Diethylphthalate	10	10		U
60-51-5	Dimethoate	4.0	10		U
60-11-7	p-(Dimethylamino)azobenzene	1.0	10		U
57-97-6	7,12-Dimethylbenz[a]anthrace	1.0	10		U
119-93-7	3,3'-Dimethylbenzidine	42	50		U
122-09-8	a,a-Dimethyl-phenethylamine	1.0	10		U
105-67-9	2,4-Dimethylphenol	1.0	10		U
131-11-3	Dimethylphthalate	1.0	10		U
84-74-2	Di-n-butylphthalate	1.0	10		U
99-65-0	m-Dinitrobenzene	3.0	10		U
534-52-1	4,6-Dinitro-2-methylphenol	1.0	25		U
51-28-5	2,4-Dinitrophenol	10	25		U
121-14-2	2,4-Dinitrotoluene	1.0	10		U
606-20-2	2,6-Dinitrotoluene	1.0	10		U
117-84-0	Di-n-octylphthalate	1.0	10		U
122-39-4	Diphenylamine	1.0	10		U
62-50-0	Ethyl methanesulfonate	1.0	10		U
206-44-0	Fluoranthene	1.0	10		U
86-73-7	Fluorene	1.0	10		U
118-74-1	Hexachlorobenzene	1.0	10		U
87-68-3	Hexachlorobutadiene	1.0	10		U
77-47-4	Hexachlorocyclopentadiene	1.0	10		U
67-72-1	Hexachloroethane	1.0	10		U
70-30-4	Hexachlorophene	25	120		U
1888-71-7	Hexachloropropene	4.0	10		U
193-39-5	Indeno(1,2,3-cd)pyrene	1.0	10		U
465-73-6	Isodrin	2.0	10		U
78-59-1	Isophorone	1.0	10		U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.
OLSF4-MW
-19S-001

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW001

Matrix: (soil/water) WATER Lab Sample ID: 0612081-06

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 1208106

% Moisture: _____ decanted: (Y/N)___ Date Sampled: 12/07/06 16:00

Extraction: (SepF/Cont/Sonc/Soxh) SEPF Date Extracted:12/11/06

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 12/27/06 20:05

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
120-58-1	Isosafrole	1.0	10		U
143-50-0	Kepone	1.0	10		U
91-80-5	Methapyrilene	1.0	10		U
56-49-5	3-Methylcholanthrene	1.0	10		U
66-27-3	Methyl methanesulfonate	1.0	5.0		U
91-57-6	2-Methylnaphthalene	1.0	10		U
106-44-5	4-Methylphenol	1.0	10		U
108-39-4	3-Methylphenol	1.0	10		U
95-48-7	2-Methylphenol	1.0	10		U
91-20-3	Naphthalene	1.0	10		U
130-15-4	1,4-Naphthoquinone	1.0	10		U
134-32-7	1-Naphthylamine	1.0	10		U
91-59-8	2-Naphthylamine	1.0	10		U
88-74-4	2-Nitroaniline	1.0	25		U
99-09-2	3-Nitroaniline	1.0	25		U
100-01-6	4-Nitroaniline	1.0	25		U
98-95-3	Nitrobenzene	1.0	10		U
88-75-5	2-Nitrophenol	1.0	10		U
100-02-7	4-Nitrophenol	5.0	25		U
56-57-5	4-Nitroquinoline-1-oxide	1.0	10		U
924-16-3	N-Nitrosodi-n-butylamine	1.0	10		U
55-18-5	N-Nitrosodiethylamine	1.0	10		U
62-75-9	N-Nitroso-di-methylamine	1.0	10		U
86-30-6	N-Nitrosodiphenylamine (1)	1.0	10		U
621-64-7	N-Nitroso-di-n-propylamine	0.80	10		U
10595-95-6	N-Nitrosomethylethylamine	4.0	10		U
59-89-2	N-Nitrosomorpholine	1.0	10		U
100-75-4	N-Nitrosopiperidine	1.0	10		U
930-55-2	N-Nitrosopyrrolidine	1.0	10		U
99-55-8	5-Nitro-o-toluidine	2.0	10		U
608-93-5	Pentachlorobenzene	4.0	10		U
82-68-8	Pentachloronitrobenzene	4.0	10		U
76-01-7	Pentachloroethane	4.0	10		U

(1) - Cannot be separated from Diphenylamine

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.
OLSF4-MW
-19S-001

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW001

Matrix: (soil/water) WATER Lab Sample ID: 0612081-06

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 1208106

% Moisture: _____ decanted: (Y/N)___ Date Sampled: 12/07/06 16:00

Extraction: (SepF/Cont/Sonc/Soxh) SEPF Date Extracted:12/11/06

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 12/27/06 20:05

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
87-86-5	Pentachlorophenol	10	25		U
62-44-2	Phenacetin	1.0	10		U
85-01-8	Phenanthrene	1.0	10		U
108-95-2	Phenol	1.0	10		U
106-50-3	p-Phenylenediamine	1.0	10		U
109-06-8	2-Picoline	7.0	10		U
23950-58-5	Pronamide	1.0	10		U
129-00-0	Pyrene	1.0	10		U
110-86-1	Pyridine	1.0	10		U
94-59-7	Safrole	1.0	10		U
95-94-3	1,2,4,5-Tetrachlorobenzene	3.0	10		U
58-90-2	2,3,4,6-Tetrachlorophenol	1.0	10		U
95-53-4	o-Toluidine	4.0	10		U
120-82-1	1,2,4-Trichlorobenzene	1.0	10		U
95-95-4	2,4,5-Trichlorophenol	1.0	25		U
88-06-2	2,4,6-Trichlorophenol	1.0	10		U
126-68-1	O,O,O-Triethylphosphorothioa	3.0	10		U
99-35-4	sym-Trinitrobenzene	3.0	10		U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW07S-001

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW001

Matrix: (soil/water) WATER Lab Sample ID: 0612095-02

Sample wt/vol: 875.0 (g/mL) ML Lab File ID: 1209502

% Moisture: _____ decanted: (Y/N)___ Date Sampled: 12/08/06 16:00

Extraction: (SepF/Cont/Sonc/Soxh) SEPF Date Extracted:12/11/06

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 12/27/06 21:52

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
83-32-9	Acenaphthene	1.1	11		U
208-96-8	Acenaphthylene	1.1	11		U
98-86-2	Acetophenone	1.1	11		U
53-96-3	2-Acetylaminofluorene	2.3	11		U
92-67-1	4-Aminobiphenyl	2.3	11		U
62-53-3	Aniline	1.1	11		U
140-57-8	Aramite	1.1	11		U
120-12-7	Anthracene	1.1	11		U
1912-24-9	Atrazine	1.1	5.7		U
100-52-7	Benzaldehyde	1.1	5.7		U
56-55-3	Benzo(a)anthracene	1.1	11		U
205-99-2	Benzo(b)fluoranthene	1.1	11		U
207-08-9	Benzo(k)fluoranthene	1.1	11		U
191-24-2	Benzo(g,h,i)perylene	1.1	11		U
50-32-8	Benzo(a)pyrene	1.1	11		U
100-51-6	Benzyl alcohol	1.1	11		U
92-52-4	1,1'-Biphenyl	1.1	5.7		U
111-91-1	bis(2-Chloroethoxy)methane	1.1	11		U
111-44-4	bis(2-Chloroethyl)ether	1.1	11		U
108-60-1	bis(2-Chloroisopropyl)ether	1.1	11		U
117-81-7	Bis(2-ethylhexyl)phthalate	1.1	11		U
101-55-3	4-Bromophenyl-phenylether	1.1	11		U
85-68-7	Butylbenzylphthalate	1.1	11		U
105-60-2	Caprolactam	1.1	5.7	1.2	I
86-74-8	Carbazole	1.1	11		U
106-47-8	4-Chloroaniline	1.1	11		U
510-15-6	Chlorobenzilate	1.1	11		U
59-50-7	4-Chloro-3-methylphenol	1.1	11		U
91-58-7	2-Chloronaphthalene	1.1	11		U
95-57-8	2-Chlorophenol	1.1	11		U
7005-72-3	4-Chlorophenyl-phenylether	1.1	11		U
218-01-9	Chrysene	1.1	11		U
2303-16-4	Diallate	1.1	11		U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW07S-001

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW001

Matrix: (soil/water) WATER Lab Sample ID: 0612095-02

Sample wt/vol: 875.0 (g/mL) ML Lab File ID: 1209502

% Moisture: _____ decanted: (Y/N)___ Date Sampled: 12/08/06 16:00

Extraction: (SepF/Cont/Sonc/Soxh) SEPF Date Extracted:12/11/06

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 12/27/06 21:52

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
53-70-3	Dibenz(a,h)anthracene	1.1	11		U
132-64-9	Dibenzofuran	1.1	11		U
91-94-1	3,3'-Dichlorobenzidine	1.1	11		U
120-83-2	2,4-Dichlorophenol	1.1	11		U
87-65-0	2,6-Dichlorophenol	1.1	11		U
84-66-2	Diethylphthalate	11	11		U
60-51-5	Dimethoate	4.6	11		U
60-11-7	p-(Dimethylamino)azobenzene	1.1	11		U
57-97-6	7,12-Dimethylbenz[a]anthrace	1.1	11		U
119-93-7	3,3'-Dimethylbenzidine	48	57		U
122-09-8	a,a-Dimethyl-phenethylamine	1.1	11		U
105-67-9	2,4-Dimethylphenol	1.1	11		U
131-11-3	Dimethylphthalate	1.1	11		U
84-74-2	Di-n-butylphthalate	1.1	11		U
99-65-0	m-Dinitrobenzene	3.4	11		U
534-52-1	4,6-Dinitro-2-methylphenol	1.1	28		U
51-28-5	2,4-Dinitrophenol	11	28		U
121-14-2	2,4-Dinitrotoluene	1.1	11		U
606-20-2	2,6-Dinitrotoluene	1.1	11		U
117-84-0	Di-n-octylphthalate	1.1	11		U
122-39-4	Diphenylamine	1.1	11		U
62-50-0	Ethyl methanesulfonate	1.1	11		U
206-44-0	Fluoranthene	1.1	11		U
86-73-7	Fluorene	1.1	11		U
118-74-1	Hexachlorobenzene	1.1	11		U
87-68-3	Hexachlorobutadiene	1.1	11		U
77-47-4	Hexachlorocyclopentadiene	1.1	11		U
67-72-1	Hexachloroethane	1.1	11		U
70-30-4	Hexachlorophene	28	140		U
1888-71-7	Hexachloropropene	4.6	11		U
193-39-5	Indeno(1,2,3-cd)pyrene	1.1	11		U
465-73-6	Isodrin	2.3	11		U
78-59-1	Isophorone	1.1	11		U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW07S-001

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW001

Matrix: (soil/water) WATER Lab Sample ID: 0612095-02

Sample wt/vol: 875.0 (g/mL) ML Lab File ID: 1209502

% Moisture: _____ decanted: (Y/N)___ Date Sampled: 12/08/06 16:00

Extraction: (SepF/Cont/Sonc/Soxh) SEPF Date Extracted:12/11/06

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 12/27/06 21:52

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
120-58-1	Isosafrole	1.1	11		U
143-50-0	Kepone	1.1	11		U
91-80-5	Methapyrilene	1.1	11		U
56-49-5	3-Methylcholanthrene	1.1	11		U
66-27-3	Methyl methanesulfonate	1.1	5.7		U
91-57-6	2-Methylnaphthalene	1.1	11		U
106-44-5	4-Methylphenol	1.1	11		U
108-39-4	3-Methylphenol	1.1	11		U
95-48-7	2-Methylphenol	1.1	11		U
91-20-3	Naphthalene	1.1	11		U
130-15-4	1,4-Naphthoquinone	1.1	11		U
134-32-7	1-Naphthylamine	1.1	11		U
91-59-8	2-Naphthylamine	1.1	11		U
88-74-4	2-Nitroaniline	1.1	28		U
99-09-2	3-Nitroaniline	1.1	28		U
100-01-6	4-Nitroaniline	1.1	28		U
98-95-3	Nitrobenzene	1.1	11		U
88-75-5	2-Nitrophenol	1.1	11		U
100-02-7	4-Nitrophenol	5.7	28		U
56-57-5	4-Nitroquinoline-1-oxide	1.1	11		U
924-16-3	N-Nitrosodi-n-butylamine	1.1	11		U
55-18-5	N-Nitrosodiethylamine	1.1	11		U
62-75-9	N-Nitroso-di-methylamine	1.1	11		U
86-30-6	N-Nitrosodiphenylamine (1)	1.1	11		U
621-64-7	N-Nitroso-di-n-propylamine	0.91	11		U
10595-95-6	N-Nitrosomethylethylamine	4.6	11		U
59-89-2	N-Nitrosomorpholine	1.1	11		U
100-75-4	N-Nitrosopiperidine	1.1	11		U
930-55-2	N-Nitrosopyrrolidine	1.1	11		U
99-55-8	5-Nitro-o-toluidine	2.3	11		U
608-93-5	Pentachlorobenzene	4.6	11		U
82-68-8	Pentachloronitrobenzene	4.6	11		U
76-01-7	Pentachloroethane	4.6	11		U

(1) - Cannot be separated from Diphenylamine

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW07S-001

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW001

Matrix: (soil/water) WATER Lab Sample ID: 0612095-02

Sample wt/vol: 875.0 (g/mL) ML Lab File ID: 1209502

% Moisture: _____ decanted: (Y/N)___ Date Sampled: 12/08/06 16:00

Extraction: (SepF/Cont/Sonc/Soxh) SEPF Date Extracted:12/11/06

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 12/27/06 21:52

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
87-86-5	Pentachlorophenol	11	28		U
62-44-2	Phenacetin	1.1	11		U
85-01-8	Phenanthrene	1.1	11		U
108-95-2	Phenol	1.1	11		U
106-50-3	p-Phenylenediamine	1.1	11		U
109-06-8	2-Picoline	8.0	11		U
23950-58-5	Pronamide	1.1	11		U
129-00-0	Pyrene	1.1	11		U
110-86-1	Pyridine	1.1	11		U
94-59-7	Safrole	1.1	11		U
95-94-3	1,2,4,5-Tetrachlorobenzene	3.4	11		U
58-90-2	2,3,4,6-Tetrachlorophenol	1.1	11		U
95-53-4	o-Toluidine	4.6	11		U
120-82-1	1,2,4-Trichlorobenzene	1.1	11		U
95-95-4	2,4,5-Trichlorophenol	1.1	28		U
88-06-2	2,4,6-Trichlorophenol	1.1	11		U
126-68-1	O,O,O-Triethylphosphorothioa	3.4	11		U
99-35-4	sym-Trinitrobenzene	3.4	11		U

FORM 2
WATER SEMIVOLATILE SURROGATE RECOVERY

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW001

	CLIENT SAMPLE NO.	S1 (2FP)#	S2 (PHL)#	S3 (NBZ)#	S4 (FBP)#	S5 (TBP)#	S6 (TPH)#	S7 #	S8 #	TOT OUT
01	SBLK1211BW1	40	31	58	65	87	96			0
02	SBLK1211BW1L	42	30	52	65	92	92			0
03	OLFS4-MW06S-	35	27	49	50	74	87			0
04	OLFS4-MW085-	30	26	47	48	75	66			0
05	OLFS4-MW08S-	34	26	44	51	68	77			0
06	OLFS4-MW5S-0	23	19	37	45	95	70			0
07	OLSF4-MW-16S	43	31	72	76	89	92			0
08	OLSF4-MW-19S	36	28	56	68	78	87			0
09	OLFS4-MW07S-	42	36	60	72	93	84			0
10	SBLK1213BW1L	40	35	63	66	97	109			0
11	SBLK1213BW1	38	35	63	69	84	98			0
12	OLFS4-MW03S-	32	30	66	60	82	83			0
13	OLFS4-MW03S-	36	34	63	65	88	89			0
14	OLFS4-MW03S-	34	30	53	63	91	103			0
15										
16										
17										
18										
19										
20										
21										
22										
23										
24										
25										
26										
27										
28										
29										
30										

	EL QC LIMITS	SPIKE CONC (UG/L)
S1 (2FP) = 2-Fluorophenol	(15-110)	100
S2 (PHL) = Phenol-d6	(15-110)	100
S3 (NBZ) = Nitrobenzene-d5	(30-110)	50
S4 (FBP) = 2-Fluorobiphenyl	(35-110)	50
S5 (TBP) = 2,4,6-Tribromophenol	(45-125)	100
S6 (TPH) = Terphenyl-d14	(55-125)	50

Column to be used to flag recovery values
* Values outside of contract required QC limits
D Surrogate results reported from a diluted analysis

FORM 3

WATER SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW001

Matrix Spike - Client Sample No.: OLFS4-MW03S-001 Lab Sample ID: 0612069-03

COMPOUND	SPIKE ADDED (UG/L)	SAMPLE CONCENTRATION (UG/L)	MS CONCENTRATION (UG/L)	MS % REC #	QC. LIMITS REC.
Acenaphthene	52.08	0.0000	40.62	78	55-110
Acenaphthylene	52.08	0.0000	45.44	87	60-105
Acetophenone	52.08	0.0000	33.48	64	50-110
Aniline	52.08	0.0000	33.91	65	10-110
Anthracene	52.08	0.0000	48.90	94	70-110
Atrazine	52.08	0.0000	50.09	96	70-115
Benzaldehyde	52.08	0.0000	47.04	90	10-180
Benzo(a)anthracene	52.08	0.0000	45.54	87	80-110
Benzo(b)fluoranthene	52.08	0.0000	47.47	91	70-115
Benzo(k)fluoranthene	52.08	0.0000	46.64	90	65-120
Benzo(g,h,i)perylene	52.08	0.0000	54.99	106	50-135
Benzo(a)pyrene	52.08	0.0000	51.25	98	80-120
Benzyl alcohol	52.08	0.0000	37.84	73	40-110
1,1'-Biphenyl	52.08	0.0000	56.66	109	50-110
bis(2-Chloroethoxy)meth	52.08	0.0000	29.35	56	50-110
bis(2-Chloroethyl)ether	52.08	0.0000	32.85	63	40-110
bis(2-Chloroisopropyl)e	52.08	0.0000	32.56	62	30-110
Bis(2-ethylhexyl)phthal	52.08	0.0000	44.88	86	70-120
4-Bromophenyl-phenyleth	52.08	0.0000	38.71	74	55-110
Butylbenzylphthalate	52.08	0.0000	50.93	98	75-120
Caprolactam	52.08	0.0000	16.88	32	20-110
Carbazole	52.08	0.0000	58.34	112	50-150
4-Chloroaniline	52.08	0.0000	40.73	78	40-130
4-Chloro-3-methylphenol	52.08	0.0000	38.33	74	55-110
2-Chloronaphthalene	52.08	0.0000	35.12	67	40-110
2-Chlorophenol	52.08	0.0000	33.37	64	40-110
4-Chlorophenyl-phenylet	52.08	0.0000	43.77	84	55-110
Chrysene	52.08	0.0000	49.50	95	75-110

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

COMMENTS: _____

FORM 3
WATER SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW001

Matrix Spike - Client Sample No.: OLFS4-MW03S-001 Lab Sample ID: 0612069-03

COMPOUND	SPIKE ADDED (UG/L)	SAMPLE CONCENTRATION (UG/L)	MS CONCENTRATION (UG/L)	MS % REC #	QC. LIMITS REC.
Dibenz(a,h)anthracene	52.08	0.0000	54.10	104	55-135
Dibenzofuran	52.08	0.0000	40.94	79	60-110
3,3'-Dichlorobenzidine	52.08	0.0000	40.41	78	35-135
2,4-Dichlorophenol	52.08	0.0000	39.84	76	50-110
Diethylphthalate	52.08	0.0000	46.93	90	65-110
2,4-Dimethylphenol	52.08	0.0000	19.92	38	25-110
Dimethylphthalate	52.08	0.0000	45.11	87	60-110
Di-n-butylphthalate	52.08	0.0000	49.39	95	70-110
4,6-Dinitro-2-methylphe	52.08	0.0000	45.32	87	35-150
2,4-Dinitrophenol	52.08	0.0000	42.23	81	10-145
2,4-Dinitrotoluene	52.08	0.0000	50.22	96	65-110
2,6-Dinitrotoluene	52.08	0.0000	43.32	83	70-110
Di-n-octylphthalate	52.08	0.0000	48.33	93	65-120
Fluoranthene	52.08	0.0000	44.14	85	70-115
Fluorene	52.08	0.0000	43.92	84	60-110
Hexachlorobenzene	52.08	0.0000	48.34	93	65-110
Hexachlorobutadiene	52.08	0.0000	33.96	65	15-110
Hexachlorocyclopentadie	52.08	0.0000	43.23	83	10-110
Hexachloroethane	52.08	0.0000	30.36	58	15-110
Indeno(1,2,3-cd)pyrene	52.08	0.0000	53.90	103	55-130
Isophorone	52.08	0.0000	39.35	76	35-110
2-Methylnaphthalene	52.08	0.0000	37.21	71	40-110
4-Methylphenol	52.08	0.0000	27.46	53	40-110
2-Methylphenol	52.08	0.0000	32.87	63	40-110
Naphthalene	52.08	0.0000	34.74	67	35-110
2-Nitroaniline	52.08	0.0000	29.42	56	55-125
3-Nitroaniline	52.08	0.0000	47.76	92	50-140
4-Nitroaniline	52.08	0.0000	53.64	103	35-170

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

COMMENTS: _____

FORM 3
WATER SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW001

Matrix Spike - Client Sample No.: OLFS4-MW03S-001 Lab Sample ID: 0612069-03

COMPOUND	SPIKE ADDED (UG/L)	SAMPLE CONCENTRATION (UG/L)	MS CONCENTRATION (UG/L)	MS % REC #	QC. LIMITS REC.
Nitrobenzene	52.08	0.0000	32.66	63	40-110
2-Nitrophenol	52.08	0.0000	39.28	75	45-110
4-Nitrophenol	52.08	0.0000	14.08	27	10-110
N-Nitroso-di-methylamin	52.08	0.0000	19.57	38	10-110
N-Nitrosodiphenylamine	52.08	0.0000	48.98	94	65-110
N-Nitroso-di-n-prop.(1)	52.08	0.0000	37.73	72	45-110
Pentachlorophenol	52.08	0.0000	48.41	93	50-145
Phenanthrene	52.08	0.0000	47.81	92	65-110
Phenol	52.08	0.0000	17.05	33	10-110
Pyrene	52.08	0.0000	55.00	106	70-125
Pyridine	52.08	0.0000	16.59	32	10-110
1,2,4-Trichlorobenzene	52.08	0.0000	37.43	72	25-110
2,4,5-Trichlorophenol	52.08	0.0000	44.64	86	60-105
2,4,6-Trichlorophenol	52.08	0.0000	42.69	82	55-105

(1) N-Nitroso-di-n-propylamine

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

COMMENTS: _____

FORM 3
WATER SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW001

Matrix Spike - Client Sample No.: OLFS4-MW03S-001 Lab Sample ID: 0612069-03

COMPOUND	SPIKE ADDED (UG/L)	MSD CONCENTRATION (UG/L)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Acenaphthene	52.08	37.32	72	8	30	55-110
Acenaphthylene	52.08	47.42	91	4	30	60-105
Acetophenone	52.08	31.39	60	6	30	50-110
Aniline	52.08	33.48	64	1	30	10-110
Anthracene	52.08	47.99	92	2	30	70-110
Atrazine	52.08	49.32	95	2	30	70-115
Benzaldehyde	52.08	42.46	82	10	30	10-180
Benzo(a)anthracene	52.08	48.19	92	6	30	80-110
Benzo(b)fluoranthene	52.08	47.46	91	0	30	70-115
Benzo(k)fluoranthene	52.08	48.73	94	4	30	65-120
Benzo(g,h,i)perylene	52.08	57.18	110	4	30	50-135
Benzo(a)pyrene	52.08	53.05	102	3	30	80-120
Benzyl alcohol	52.08	33.60	64	12	30	40-110
1,1'-Biphenyl	52.08	62.97	121*	10	30	50-110
bis(2-Chloroethoxy)meth	52.08	24.10	46*	20	30	50-110
bis(2-Chloroethyl)ether	52.08	27.99	54	16	30	40-110
bis(2-Chloroisopropyl)e	52.08	31.21	60	4	30	30-110
Bis(2-ethylhexyl)phthal	52.08	48.41	93	8	30	70-120
4-Bromophenyl-phenyleth	52.08	40.72	78	5	30	55-110
Butylbenzylphthalate	52.08	48.94	94	4	30	75-120
Caprolactam	52.08	16.68	32	1	30	20-110
Carbazole	52.08	60.32	116	3	30	50-150
4-Chloroaniline	52.08	34.90	67	15	30	40-130
4-Chloro-3-methylphenol	52.08	35.38	68	8	30	55-110
2-Chloronaphthalene	52.08	34.22	66	2	30	40-110
2-Chlorophenol	52.08	28.42	54	16	30	40-110
4-Chlorophenyl-phenylet	52.08	45.71	88	4	30	55-110
Chrysene	52.08	48.49	93	2	30	75-110

(1) N-Nitroso-di-n-propylamine

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

COMMENTS: _____

FORM 3
WATER SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW001

Matrix Spike - Client Sample No.: OLFS4-MW03S-001 Lab Sample ID: 0612069-03

COMPOUND	SPIKE ADDED (UG/L)	MSD CONCENTRATION (UG/L)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Dibenz(a,h)anthracene	52.08	50.62	97	7	30	55-135
Dibenzofuran	52.08	37.49	72	9	30	60-110
3,3'-Dichlorobenzidine	52.08	40.04	77	1	30	35-135
2,4-Dichlorophenol	52.08	35.21	68	12	30	50-110
Diethylphthalate	52.08	49.00	94	4	30	65-110
2,4-Dimethylphenol	52.08	18.95	36	5	30	25-110
Dimethylphthalate	52.08	45.63	88	1	30	60-110
Di-n-butylphthalate	52.08	46.96	90	5	30	70-110
4,6-Dinitro-2-methylphe	52.08	45.62	88	1	30	35-150
2,4-Dinitrophenol	52.08	38.70	74	9	30	10-145
2,4-Dinitrotoluene	52.08	52.87	102	5	30	65-110
2,6-Dinitrotoluene	52.08	43.94	84	1	30	70-110
Di-n-octylphthalate	52.08	49.16	94	2	30	65-120
Fluoranthene	52.08	43.30	83	2	30	70-115
Fluorene	52.08	43.10	83	2	30	60-110
Hexachlorobenzene	52.08	47.30	91	2	30	65-110
Hexachlorobutadiene	52.08	29.14	56	15	30	15-110
Hexachlorocyclopentadie	52.08	40.99	79	5	30	10-110
Hexachloroethane	52.08	23.81	46	24	30	15-110
Indeno(1,2,3-cd)pyrene	52.08	54.13	104	0	30	55-130
Isophorone	52.08	33.98	65	15	30	35-110
2-Methylnaphthalene	52.08	33.01	63	12	30	40-110
4-Methylphenol	52.08	25.78	50	6	30	40-110
2-Methylphenol	52.08	28.49	55	14	30	40-110
Naphthalene	52.08	32.40	62	7	30	35-110
2-Nitroaniline	52.08	30.98	59	5	30	55-125
3-Nitroaniline	52.08	46.57	89	2	30	50-140
4-Nitroaniline	52.08	51.39	99	4	30	35-170

(1) N-Nitroso-di-n-propylamine

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

COMMENTS: _____

FORM 3
WATER SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW001

Matrix Spike - Client Sample No.: OLFS4-MW03S-001 Lab Sample ID: 0612069-03

COMPOUND	SPIKE ADDED (UG/L)	MSD CONCENTRATION (UG/L)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Nitrobenzene	52.08	27.32	52	18	30	40-110
2-Nitrophenol	52.08	32.17	62	20	30	45-110
4-Nitrophenol	52.08	12.84	25	9	30	10-110
N-Nitroso-di-methylamin	52.08	16.07	31	20	30	10-110
N-Nitrosodiphenylamine	52.08	51.07	98	4	30	65-110
N-Nitroso-di-n-prop.(1)	52.08	31.40	60	18	30	45-110
Pentachlorophenol	52.08	50.40	97	4	30	50-145
Phenanthrene	52.08	44.81	86	6	30	65-110
Phenol	52.08	14.81	28	14	30	10-110
Pyrene	52.08	60.39	116	9	30	70-125
Pyridine	52.08	14.70	28	12	30	10-110
1,2,4-Trichlorobenzene	52.08	32.39	62	14	30	25-110
2,4,5-Trichlorophenol	52.08	47.45	91	6	30	60-105
2,4,6-Trichlorophenol	52.08	42.99	82	1	30	55-105

(1) N-Nitroso-di-n-propylamine

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

RPD: 0 out of 70 outside limits
Spike Recovery: 2 out of 140 outside limits

COMMENTS: _____

FORM 3
WATER SEMIVOLATILE LAB CONTROL SAMPLE

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW001

Matrix Spike - Client Sample No.: SBLK1211BW1

COMPOUND	SPIKE ADDED (UG/L)	SAMPLE CONCENTRATION (UG/L)	LCS CONCENTRATION (UG/L)	LCS % REC #	QC. LIMITS REC.
Acenaphthene	50.00	0.0000	31.64	63	55-110
Acenaphthylene	50.00	0.0000	40.51	81	60-105
Acetophenone	50.00	0.0000	29.70	59	50-110
Aniline	50.00	0.0000	32.78	66	10-110
Anthracene	50.00	0.0000	48.70	97	70-110
Atrazine	50.00	0.0000	45.94	92	70-115
Benzaldehyde	50.00	0.0000	37.54	75	10-180
Benzo(a)anthracene	50.00	0.0000	47.20	94	80-110
Benzo(b)fluoranthene	50.00	0.0000	42.63	85	70-115
Benzo(k)fluoranthene	50.00	0.0000	44.47	89	65-120
Benzo(g,h,i)perylene	50.00	0.0000	54.22	108	50-135
Benzo(a)pyrene	50.00	0.0000	47.28	94	80-120
Benzyl alcohol	50.00	0.0000	32.55	65	40-110
1,1'-Biphenyl	50.00	0.0000	0.0000	0*	50-110
bis(2-Chloroethoxy)meth	50.00	0.0000	23.95	48*	50-110
bis(2-Chloroethyl)ether	50.00	0.0000	26.63	53	40-110
bis(2-Chloroisopropyl)e	50.00	0.0000	25.28	50	30-110
Bis(2-ethylhexyl)phthal	50.00	0.0000	46.21	92	70-120
4-Bromophenyl-phenyleth	50.00	0.0000	37.12	74	55-110
Butylbenzylphthalate	50.00	0.0000	43.43	87	75-120
Caprolactam	50.00	0.0000	19.00	38	20-110
Carbazole	50.00	0.0000	72.26	144	50-150
4-Chloroaniline	50.00	0.0000	35.84	72	40-130
4-Chloro-3-methylphenol	50.00	0.0000	36.85	74	55-110
2-Chloronaphthalene	50.00	0.0000	32.32	65	40-110
2-Chlorophenol	50.00	0.0000	31.05	62	40-110
4-Chlorophenyl-phenylet	50.00	0.0000	41.15	82	55-110
Chrysene	50.00	0.0000	49.22	98	75-110

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

COMMENTS: _____

FORM 3
WATER SEMIVOLATILE LAB CONTROL SAMPLE

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW001

Matrix Spike - Client Sample No.: SBLK1211BW1

COMPOUND	SPIKE ADDED (UG/L)	SAMPLE CONCENTRATION (UG/L)	LCS CONCENTRATION (UG/L)	LCS % REC #	QC. LIMITS REC.
Nitrobenzene	50.00	0.0000	25.29	50	40-110
2-Nitrophenol	50.00	0.0000	34.79	70	45-110
4-Nitrophenol	50.00	0.0000	20.39	41	10-110
N-Nitroso-di-methylamin	50.00	0.0000	17.69	35	10-110
N-Nitrosodiphenylamine	50.00	0.0000	48.56	97	65-110
N-Nitroso-di-n-prop.(1)	50.00	0.0000	29.70	59	45-110
Pentachlorophenol	50.00	0.0000	50.66	101	50-145
Phenanthrene	50.00	0.0000	45.14	90	65-110
Phenol	50.00	0.0000	15.01	30	10-110
Pyrene	50.00	0.0000	42.44	85	70-125
Pyridine	50.00	0.0000	12.74	25	10-110
1,2,4-Trichlorobenzene	50.00	0.0000	22.95	46	25-110
2,4,5-Trichlorophenol	50.00	0.0000	39.44	79	60-105
2,4,6-Trichlorophenol	50.00	0.0000	40.44	81	55-105

(1) N-Nitroso-di-n-propylamine

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

RPD: 0 out of 0 outside limits
Spike Recovery: 2 out of 70 outside limits

COMMENTS: _____

FORM 3
WATER SEMIVOLATILE LAB CONTROL SAMPLE

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW001

Matrix Spike - Client Sample No.: SBLK1213BW1

COMPOUND	SPIKE ADDED (UG/L)	SAMPLE CONCENTRATION (UG/L)	LCS CONCENTRATION (UG/L)	LCS % REC #	QC. LIMITS REC.
Acenaphthene	50.00	0.0000	39.14	78	55-110
Acenaphthylene	50.00	0.0000	49.49	99	60-105
Acetophenone	50.00	0.0000	31.94	64	50-110
Aniline	50.00	0.0000	37.10	74	10-110
Anthracene	50.00	0.0000	51.37	103	70-110
Atrazine	50.00	0.0000	50.84	102	70-115
Benzaldehyde	50.00	0.0000	44.22	88	10-180
Benzo(a)anthracene	50.00	0.0000	50.06	100	80-110
Benzo(b)fluoranthene	50.00	0.0000	48.92	98	70-115
Benzo(k)fluoranthene	50.00	0.0000	44.34	89	65-120
Benzo(g,h,i)perylene	50.00	0.0000	47.91	96	50-135
Benzo(a)pyrene	50.00	0.0000	50.40	101	80-120
Benzyl alcohol	50.00	0.0000	37.58	75	40-110
1,1'-Biphenyl	50.00	0.0000	57.84	116*	50-110
bis(2-Chloroethoxy)meth	50.00	0.0000	30.34	61	50-110
bis(2-Chloroethyl)ether	50.00	0.0000	33.78	68	40-110
bis(2-Chloroisopropyl)e	50.00	0.0000	28.45	57	30-110
Bis(2-ethylhexyl)phthal	50.00	0.0000	54.24	108	70-120
4-Bromophenyl-phenyleth	50.00	0.0000	40.36	81	55-110
Butylbenzylphthalate	50.00	0.0000	54.09	108	75-120
Caprolactam	50.00	0.0000	18.68	37	20-110
Carbazole	50.00	0.0000	66.25	132	50-150
4-Chloroaniline	50.00	0.0000	39.38	79	40-130
4-Chloro-3-methylphenol	50.00	0.0000	41.27	82	55-110
2-Chloronaphthalene	50.00	0.0000	34.37	69	40-110
2-Chlorophenol	50.00	0.0000	34.15	68	40-110
4-Chlorophenyl-phenylet	50.00	0.0000	47.89	96	55-110
Chrysene	50.00	0.0000	51.86	104	75-110

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

COMMENTS: _____

FORM 3
WATER SEMIVOLATILE LAB CONTROL SAMPLE

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW001

Matrix Spike - Client Sample No.: SBLK1213BW1

COMPOUND	SPIKE ADDED (UG/L)	SAMPLE CONCENTRATION (UG/L)	LCS CONCENTRATION (UG/L)	LCS % REC #	QC. LIMITS REC.
Dibenz(a,h)anthracene	50.00	0.0000	47.14	94	55-135
Dibenzofuran	50.00	0.0000	38.91	78	60-110
3,3'-Dichlorobenzidine	50.00	0.0000	43.86	88	35-135
2,4-Dichlorophenol	50.00	0.0000	43.62	87	50-110
Diethylphthalate	50.00	0.0000	47.27	94	65-110
2,4-Dimethylphenol	50.00	0.0000	20.93	42	25-110
Dimethylphthalate	50.00	0.0000	48.41	97	60-110
Di-n-butylphthalate	50.00	0.0000	49.13	98	70-110
4,6-Dinitro-2-methylphe	50.00	0.0000	51.64	103	35-150
2,4-Dinitrophenol	50.00	0.0000	49.93	100	10-145
2,4-Dinitrotoluene	50.00	0.0000	49.02	98	65-110
2,6-Dinitrotoluene	50.00	0.0000	42.06	84	70-110
Di-n-octylphthalate	50.00	0.0000	47.54	95	65-120
Fluoranthene	50.00	0.0000	48.46	97	70-115
Fluorene	50.00	0.0000	41.86	84	60-110
Hexachlorobenzene	50.00	0.0000	51.37	103	65-110
Hexachlorobutadiene	50.00	0.0000	27.83	56	15-110
Hexachlorocyclopentadie	50.00	0.0000	40.94	82	10-110
Hexachloroethane	50.00	0.0000	25.52	51	15-110
Indeno(1,2,3-cd)pyrene	50.00	0.0000	47.70	95	55-130
Isophorone	50.00	0.0000	35.77	72	35-110
2-Methylnaphthalene	50.00	0.0000	35.90	72	40-110
4-Methylphenol	50.00	0.0000	27.94	56	40-110
2-Methylphenol	50.00	0.0000	30.54	61	40-110
Naphthalene	50.00	0.0000	33.38	67	35-110
2-Nitroaniline	50.00	0.0000	30.25	60	55-125
3-Nitroaniline	50.00	0.0000	49.88	100	50-140
4-Nitroaniline	50.00	0.0000	55.57	111	35-170

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

COMMENTS: _____

FORM 3
WATER SEMIVOLATILE LAB CONTROL SAMPLE

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW001

Matrix Spike - Client Sample No.: SBLK1213BW1

COMPOUND	SPIKE ADDED (UG/L)	SAMPLE CONCENTRATION (UG/L)	LCS CONCENTRATION (UG/L)	LCS % REC #	QC. LIMITS REC.
Nitrobenzene	50.00	0.0000	30.77	62	40-110
2-Nitrophenol	50.00	0.0000	39.88	80	45-110
4-Nitrophenol	50.00	0.0000	16.36	33	10-110
N-Nitroso-di-methylamin	50.00	0.0000	17.90	36	10-110
N-Nitrosodiphenylamine	50.00	0.0000	47.63	95	65-110
N-Nitroso-di-n-prop.(1)	50.00	0.0000	35.36	71	45-110
Pentachlorophenol	50.00	0.0000	56.86	114	50-145
Phenanthrene	50.00	0.0000	46.27	92	65-110
Phenol	50.00	0.0000	15.88	32	10-110
Pyrene	50.00	0.0000	51.11	102	70-125
Pyridine	50.00	0.0000	11.47	23	10-110
1,2,4-Trichlorobenzene	50.00	0.0000	35.03	70	25-110
2,4,5-Trichlorophenol	50.00	0.0000	42.90	86	60-105
2,4,6-Trichlorophenol	50.00	0.0000	45.24	90	55-105

(1) N-Nitroso-di-n-propylamine

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

RPD: 0 out of 0 outside limits
Spike Recovery: 1 out of 70 outside limits

COMMENTS: _____

FORM 4
SEMIVOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE NO.

SBLK1211BW1

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW001

Lab File ID: SBLW1211 Lab Sample ID: SBLK1211BW1

Instrument ID: BNA1 Date Extracted: 12/11/06

Matrix: (soil/water) WATER Date Analyzed: 12/27/06

Level:(low/med) LOW GPC Cleanup: (Y/N) N Time Analyzed: 1520

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	SBLK1211BW1L	SBLK1211BW1LCS	SLCW1211	12/27/06
02	OLFS4-MW06S-	0612069-01	1206901	12/27/06
03	OLFS4-MW085-	0612081-01	1208101	12/27/06
04	OLFS4-MW08S-	0612081-02	1208102	12/27/06
05	OLFS4-MW5S-0	0612081-04	1208104	12/27/06
06	OLSF4-MW-16S	0612081-05	1208105	12/27/06
07	OLSF4-MW-19S	0612081-06	1208106	12/27/06
08	OLFS4-MW07S-	0612095-02	1209502	12/27/06
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COMMENTS:

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

SBLK1211BW1

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW001

Matrix: (soil/water) WATER Lab Sample ID: SBLK1211BW1

Sample wt/vol: 1000 (g/mL) ML Lab File ID: SBLW1211

% Moisture: _____ decanted: (Y/N)___ Date Sampled: _____

Extraction: (SepF/Cont/Sonc/Soxh) SEPF Date Extracted:12/11/06

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 12/27/06 15:20

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
83-32-9	Acenaphthene	1.0	10		U
208-96-8	Acenaphthylene	1.0	10		U
98-86-2	Acetophenone	1.0	10		U
53-96-3	2-Acetylaminofluorene	2.0	10		U
92-67-1	4-Aminobiphenyl	2.0	10		U
62-53-3	Aniline	1.0	10		U
140-57-8	Aramite	1.0	10		U
120-12-7	Anthracene	1.0	10		U
1912-24-9	Atrazine	1.0	5.0		U
100-52-7	Benzaldehyde	1.0	5.0		U
56-55-3	Benzo(a)anthracene	1.0	10		U
205-99-2	Benzo(b)fluoranthene	1.0	10		U
207-08-9	Benzo(k)fluoranthene	1.0	10		U
191-24-2	Benzo(g,h,i)perylene	1.0	10		U
50-32-8	Benzo(a)pyrene	1.0	10		U
100-51-6	Benzyl alcohol	1.0	10		U
92-52-4	1,1'-Biphenyl	1.0	5.0		U
111-91-1	bis(2-Chloroethoxy)methane	1.0	10		U
111-44-4	bis(2-Chloroethyl)ether	1.0	10		U
108-60-1	bis(2-Chloroisopropyl)ether	1.0	10		U
117-81-7	Bis(2-ethylhexyl)phthalate	1.0	10		U
101-55-3	4-Bromophenyl-phenylether	1.0	10		U
85-68-7	Butylbenzylphthalate	1.0	10		U
105-60-2	Caprolactam	1.0	5.0		U
86-74-8	Carbazole	1.0	10		U
106-47-8	4-Chloroaniline	1.0	10		U
510-15-6	Chlorobenzilate	1.0	10		U
59-50-7	4-Chloro-3-methylphenol	1.0	10		U
91-58-7	2-Chloronaphthalene	1.0	10		U
95-57-8	2-Chlorophenol	1.0	10		U
7005-72-3	4-Chlorophenyl-phenylether	1.0	10		U
218-01-9	Chrysene	1.0	10		U
2303-16-4	Diallate	1.0	10		U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

SBLK1211BW1

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW001

Matrix: (soil/water) WATER Lab Sample ID: SBLK1211BW1

Sample wt/vol: 1000 (g/mL) ML Lab File ID: SBLW1211

% Moisture: _____ decanted: (Y/N)___ Date Sampled: _____

Extraction: (SepF/Cont/Sonc/Soxh) SEPF Date Extracted:12/11/06

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 12/27/06 15:20

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
53-70-3	Dibenz(a,h)anthracene	1.0	10		U
132-64-9	Dibenzofuran	1.0	10		U
91-94-1	3,3'-Dichlorobenzidine	1.0	10		U
120-83-2	2,4-Dichlorophenol	1.0	10		U
87-65-0	2,6-Dichlorophenol	1.0	10		U
84-66-2	Diethylphthalate	10	10		U
60-51-5	Dimethoate	4.0	10		U
60-11-7	p-(Dimethylamino)azobenzene	1.0	10		U
57-97-6	7,12-Dimethylbenz[a]anthrace	1.0	10		U
119-93-7	3,3'-Dimethylbenzidine	42	50		U
122-09-8	a,a-Dimethyl-phenethylamine	1.0	10		U
105-67-9	2,4-Dimethylphenol	1.0	10		U
131-11-3	Dimethylphthalate	1.0	10		U
84-74-2	Di-n-butylphthalate	1.0	10		U
99-65-0	m-Dinitrobenzene	3.0	10		U
534-52-1	4,6-Dinitro-2-methylphenol	1.0	25		U
51-28-5	2,4-Dinitrophenol	10	25		U
121-14-2	2,4-Dinitrotoluene	1.0	10		U
606-20-2	2,6-Dinitrotoluene	1.0	10		U
117-84-0	Di-n-octylphthalate	1.0	10		U
122-39-4	Diphenylamine	1.0	10		U
62-50-0	Ethyl methanesulfonate	1.0	10		U
206-44-0	Fluoranthene	1.0	10		U
86-73-7	Fluorene	1.0	10		U
118-74-1	Hexachlorobenzene	1.0	10		U
87-68-3	Hexachlorobutadiene	1.0	10		U
77-47-4	Hexachlorocyclopentadiene	1.0	10		U
67-72-1	Hexachloroethane	1.0	10		U
70-30-4	Hexachlorophene	25	120		U
1888-71-7	Hexachloropropene	4.0	10		U
193-39-5	Indeno(1,2,3-cd)pyrene	1.0	10		U
465-73-6	Isodrin	2.0	10		U
78-59-1	Isophorone	1.0	10		U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

SBLK1211BW1

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW001

Matrix: (soil/water) WATER Lab Sample ID: SBLK1211BW1

Sample wt/vol: 1000 (g/mL) ML Lab File ID: SBLW1211

% Moisture: _____ decanted: (Y/N)___ Date Sampled: _____

Extraction: (SepF/Cont/Sonc/Soxh) SEPF Date Extracted:12/11/06

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 12/27/06 15:20

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
120-58-1	Isosafrole	1.0	10		U
143-50-0	Kepone	1.0	10		U
91-80-5	Methapyrilene	1.0	10		U
56-49-5	3-Methylcholanthrene	1.0	10		U
66-27-3	Methyl methanesulfonate	1.0	5.0		U
91-57-6	2-Methylnaphthalene	1.0	10		U
106-44-5	4-Methylphenol	1.0	10		U
108-39-4	3-Methylphenol	1.0	10		U
95-48-7	2-Methylphenol	1.0	10		U
91-20-3	Naphthalene	1.0	10		U
130-15-4	1,4-Naphthoquinone	1.0	10		U
134-32-7	1-Naphthylamine	1.0	10		U
91-59-8	2-Naphthylamine	1.0	10		U
88-74-4	2-Nitroaniline	1.0	25		U
99-09-2	3-Nitroaniline	1.0	25		U
100-01-6	4-Nitroaniline	1.0	25		U
98-95-3	Nitrobenzene	1.0	10		U
88-75-5	2-Nitrophenol	1.0	10		U
100-02-7	4-Nitrophenol	5.0	25		U
56-57-5	4-Nitroquinoline-1-oxide	1.0	10		U
924-16-3	N-Nitrosodi-n-butylamine	1.0	10		U
55-18-5	N-Nitrosodiethylamine	1.0	10		U
62-75-9	N-Nitroso-di-methylamine	1.0	10		U
86-30-6	N-Nitrosodiphenylamine (1)	1.0	10		U
621-64-7	N-Nitroso-di-n-propylamine	0.80	10		U
10595-95-6	N-Nitrosomethylethylamine	4.0	10		U
59-89-2	N-Nitrosomorpholine	1.0	10		U
100-75-4	N-Nitrosopiperidine	1.0	10		U
930-55-2	N-Nitrosopyrrolidine	1.0	10		U
99-55-8	5-Nitro-o-toluidine	2.0	10		U
608-93-5	Pentachlorobenzene	4.0	10		U
82-68-8	Pentachloronitrobenzene	4.0	10		U
76-01-7	Pentachloroethane	4.0	10		U

(1) - Cannot be separated from Diphenylamine

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

SBLK1211BW1

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW001

Matrix: (soil/water) WATER Lab Sample ID: SBLK1211BW1

Sample wt/vol: 1000 (g/mL) ML Lab File ID: SBLW1211

% Moisture: _____ decanted: (Y/N)___ Date Sampled: _____

Extraction: (SepF/Cont/Sonc/Soxh) SEPF Date Extracted:12/11/06

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 12/27/06 15:20

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
87-86-5	Pentachlorophenol	10	25		U
62-44-2	Phenacetin	1.0	10		U
85-01-8	Phenanthrene	1.0	10		U
108-95-2	Phenol	1.0	10		U
106-50-3	p-Phenylenediamine	1.0	10		U
109-06-8	2-Picoline	7.0	10		U
23950-58-5	Pronamide	1.0	10		U
129-00-0	Pyrene	1.0	10		U
110-86-1	Pyridine	1.0	10		U
94-59-7	Safrole	1.0	10		U
95-94-3	1,2,4,5-Tetrachlorobenzene	3.0	10		U
58-90-2	2,3,4,6-Tetrachlorophenol	1.0	10		U
95-53-4	o-Toluidine	4.0	10		U
120-82-1	1,2,4-Trichlorobenzene	1.0	10		U
95-95-4	2,4,5-Trichlorophenol	1.0	25		U
88-06-2	2,4,6-Trichlorophenol	1.0	10		U
126-68-1	O,O,O-Triethylphosphorothioa	3.0	10		U
99-35-4	sym-Trinitrobenzene	3.0	10		U

FORM 4
SEMIVOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE NO.

SBLK1213BW1

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW001

Lab File ID: SBLW1213 Lab Sample ID: SBLK1213BW1

Instrument ID: BNA1 Date Extracted: 12/13/06

Matrix: (soil/water) WATER Date Analyzed: 12/28/06

Level:(low/med) LOW GPC Cleanup: (Y/N) N Time Analyzed: 1609

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	SBLK1213BW1L	SBLK1213BW1LCS	SLCW1213	12/28/06
02	OLFS4-MW03S-	0612069-03	1206903	12/28/06
03	OLFS4-MW03S-	0612069-03	1206903M	12/28/06
04	OLFS4-MW03S-	0612069-03	1206903S	12/29/06
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COMMENTS:

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

SBLK1213BW1

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW001

Matrix: (soil/water) WATER Lab Sample ID: SBLK1213BW1

Sample wt/vol: 1000 (g/mL) ML Lab File ID: SBLW1213

% Moisture: _____ decanted: (Y/N)___ Date Sampled: _____

Extraction: (SepF/Cont/Sonc/Soxh) SEPF Date Extracted:12/13/06

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 12/28/06 16:09

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
83-32-9	Acenaphthene	1.0	10		U
208-96-8	Acenaphthylene	1.0	10		U
98-86-2	Acetophenone	1.0	10		U
53-96-3	2-Acetylaminofluorene	2.0	10		U
92-67-1	4-Aminobiphenyl	2.0	10		U
62-53-3	Aniline	1.0	10		U
140-57-8	Aramite	1.0	10		U
120-12-7	Anthracene	1.0	10		U
1912-24-9	Atrazine	1.0	5.0		U
100-52-7	Benzaldehyde	1.0	5.0		U
56-55-3	Benzo(a)anthracene	1.0	10		U
205-99-2	Benzo(b)fluoranthene	1.0	10		U
207-08-9	Benzo(k)fluoranthene	1.0	10		U
191-24-2	Benzo(g,h,i)perylene	1.0	10		U
50-32-8	Benzo(a)pyrene	1.0	10		U
100-51-6	Benzyl alcohol	1.0	10		U
92-52-4	1,1'-Biphenyl	1.0	5.0		U
111-91-1	bis(2-Chloroethoxy)methane	1.0	10		U
111-44-4	bis(2-Chloroethyl)ether	1.0	10		U
108-60-1	bis(2-Chloroisopropyl)ether	1.0	10		U
117-81-7	Bis(2-ethylhexyl)phthalate	1.0	10		U
101-55-3	4-Bromophenyl-phenylether	1.0	10		U
85-68-7	Butylbenzylphthalate	1.0	10		U
105-60-2	Caprolactam	1.0	5.0		U
86-74-8	Carbazole	1.0	10		U
106-47-8	4-Chloroaniline	1.0	10		U
510-15-6	Chlorobenzilate	1.0	10		U
59-50-7	4-Chloro-3-methylphenol	1.0	10		U
91-58-7	2-Chloronaphthalene	1.0	10		U
95-57-8	2-Chlorophenol	1.0	10		U
7005-72-3	4-Chlorophenyl-phenylether	1.0	10		U
218-01-9	Chrysene	1.0	10		U
2303-16-4	Diallate	1.0	10		U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

SBLK1213BW1

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW001

Matrix: (soil/water) WATER Lab Sample ID: SBLK1213BW1

Sample wt/vol: 1000 (g/mL) ML Lab File ID: SBLW1213

% Moisture: _____ decanted: (Y/N)___ Date Sampled: _____

Extraction: (SepF/Cont/Sonc/Soxh) SEPF Date Extracted:12/13/06

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 12/28/06 16:09

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
53-70-3	Dibenz(a,h)anthracene	1.0	10		U
132-64-9	Dibenzofuran	1.0	10		U
91-94-1	3,3'-Dichlorobenzidine	1.0	10		U
120-83-2	2,4-Dichlorophenol	1.0	10		U
87-65-0	2,6-Dichlorophenol	1.0	10		U
84-66-2	Diethylphthalate	1.0	10		U
60-51-5	Dimethoate	4.0	10		U
60-11-7	p-(Dimethylamino)azobenzene	1.0	10		U
57-97-6	7,12-Dimethylbenz[a]anthrace	1.0	10		U
119-93-7	3,3'-Dimethylbenzidine	42	50		U
122-09-8	a,a-Dimethyl-phenethylamine	1.0	10		U
105-67-9	2,4-Dimethylphenol	1.0	10		U
131-11-3	Dimethylphthalate	1.0	10		U
84-74-2	Di-n-butylphthalate	1.0	10		U
99-65-0	m-Dinitrobenzene	3.0	10		U
534-52-1	4,6-Dinitro-2-methylphenol	1.0	25		U
51-28-5	2,4-Dinitrophenol	10	25		U
121-14-2	2,4-Dinitrotoluene	1.0	10		U
606-20-2	2,6-Dinitrotoluene	1.0	10		U
117-84-0	Di-n-octylphthalate	1.0	10		U
122-39-4	Diphenylamine	1.0	10		U
62-50-0	Ethyl methanesulfonate	1.0	10		U
206-44-0	Fluoranthene	1.0	10		U
86-73-7	Fluorene	1.0	10		U
118-74-1	Hexachlorobenzene	1.0	10		U
87-68-3	Hexachlorobutadiene	1.0	10		U
77-47-4	Hexachlorocyclopentadiene	1.0	10		U
67-72-1	Hexachloroethane	1.0	10		U
70-30-4	Hexachlorophene	25	120		U
1888-71-7	Hexachloropropene	4.0	10		U
193-39-5	Indeno(1,2,3-cd)pyrene	1.0	10		U
465-73-6	Isodrin	2.0	10		U
78-59-1	Isophorone	1.0	10		U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

SBLK1213BW1

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW001

Matrix: (soil/water) WATER Lab Sample ID: SBLK1213BW1

Sample wt/vol: 1000 (g/mL) ML Lab File ID: SBLW1213

% Moisture: _____ decanted: (Y/N)___ Date Sampled: _____

Extraction: (SepF/Cont/Sonc/Soxh) SEPF Date Extracted:12/13/06

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 12/28/06 16:09

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
120-58-1	Isosafrole	1.0	10		U
143-50-0	Kepone	1.0	10		U
91-80-5	Methapyrilene	1.0	10		U
56-49-5	3-Methylcholanthrene	1.0	10		U
66-27-3	Methyl methanesulfonate	1.0	5.0		U
91-57-6	2-Methylnaphthalene	1.0	10		U
106-44-5	4-Methylphenol	1.0	10		U
108-39-4	3-Methylphenol	1.0	10		U
95-48-7	2-Methylphenol	1.0	10		U
91-20-3	Naphthalene	1.0	10		U
130-15-4	1,4-Naphthoquinone	1.0	10		U
134-32-7	1-Naphthylamine	1.0	10		U
91-59-8	2-Naphthylamine	1.0	10		U
88-74-4	2-Nitroaniline	1.0	25		U
99-09-2	3-Nitroaniline	1.0	25		U
100-01-6	4-Nitroaniline	1.0	25		U
98-95-3	Nitrobenzene	1.0	10		U
88-75-5	2-Nitrophenol	1.0	10		U
100-02-7	4-Nitrophenol	5.0	25		U
56-57-5	4-Nitroquinoline-1-oxide	1.0	10		U
924-16-3	N-Nitrosodi-n-butylamine	1.0	10		U
55-18-5	N-Nitrosodiethylamine	1.0	10		U
62-75-9	N-Nitroso-di-methylamine	1.0	10		U
86-30-6	N-Nitrosodiphenylamine (1)	1.0	10		U
621-64-7	N-Nitroso-di-n-propylamine	0.80	10		U
10595-95-6	N-Nitrosomethylethylamine	4.0	10		U
59-89-2	N-Nitrosomorpholine	1.0	10		U
100-75-4	N-Nitrosopiperidine	1.0	10		U
930-55-2	N-Nitrosopyrrolidine	1.0	10		U
99-55-8	5-Nitro-o-toluidine	2.0	10		U
608-93-5	Pentachlorobenzene	4.0	10		U
82-68-8	Pentachloronitrobenzene	4.0	10		U
76-01-7	Pentachloroethane	4.0	10		U

(1) - Cannot be separated from Diphenylamine

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

SBLK1213BW1

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW001

Matrix: (soil/water) WATER Lab Sample ID: SBLK1213BW1

Sample wt/vol: 1000 (g/mL) ML Lab File ID: SBLW1213

% Moisture: _____ decanted: (Y/N)___ Date Sampled: _____

Extraction: (SepF/Cont/Sonc/Soxh) SEPF Date Extracted:12/13/06

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 12/28/06 16:09

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
87-86-5	Pentachlorophenol	1.0	25		U
62-44-2	Phenacetin	1.0	10		U
85-01-8	Phenanthrene	1.0	10		U
108-95-2	Phenol	1.0	10		U
106-50-3	p-Phenylenediamine	1.0	10		U
109-06-8	2-Picoline	7.0	10		U
23950-58-5	Pronamide	1.0	10		U
129-00-0	Pyrene	1.0	10		U
110-86-1	Pyridine	1.0	10		U
94-59-7	Safrole	1.0	10		U
95-94-3	1,2,4,5-Tetrachlorobenzene	3.0	10		U
58-90-2	2,3,4,6-Tetrachlorophenol	1.0	10		U
95-53-4	o-Toluidine	4.0	10		U
120-82-1	1,2,4-Trichlorobenzene	1.0	10		U
95-95-4	2,4,5-Trichlorophenol	1.0	25		U
88-06-2	2,4,6-Trichlorophenol	1.0	10		U
126-68-1	O,O,O-Triethylphosphorothioa	3.0	10		U
99-35-4	sym-Trinitrobenzene	3.0	10		U

USEPA - 6010B
- 1 -
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-MW06S-001

Lab Name: Empirical Labs Contract: TetraTech NUS, Inc.

Lab Code: ELABN Case No.: SAS No.: SDG: SAUFLEYW001

Matrix: WATER Lab Sample ID: 0612069-01

Level (low/med): LOW Date Sampled: 12/06/06

% Solids: 0.0 Date Received: 12/07/06

Concentration Units (ug/L or mg/kg dry weight): ug/L

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
7440-28-0	Thallium	1.3	2.5		U		P
7440-22-4	Silver	1.0	10.0		U		P
7429-90-5	Aluminum	75.0	200	1510			P
7440-38-2	Arsenic	3.0	10.0		U		P
7440-39-3	Barium	5.0	200	43.6	I		P
7440-41-7	Beryllium	4.0	10.0		U		P
7440-70-2	Calcium	1000	5000	13600			P
7440-43-9	Cadmium	1.0	5.0		U		P
7440-48-4	Cobalt	5.0	50.0	9.0	I		P
7440-47-3	Chromium	2.0	10.0	349			P
7440-50-8	Copper	5.0	25.0	10.6	I		P
7439-89-6	Iron	30.0	100	8870			P
7440-09-7	Potassium	1000	5000		U		P
7439-95-4	Magnesium	1000	5000	2350	I		P
7439-96-5	Manganese	3.0	15.0	590			P
7440-23-5	Sodium	1000	5000	3830	I		P
7440-02-0	Nickel	5.0	40.0	179			P
7439-92-1	Lead	1.5	3.0		U		P
7440-36-0	Antimony	5.0	60.0		U		P
7782-49-2	Selenium	5.0	10.0		U		P
7440-62-2	Vanadium	5.0	50.0	9.9	I		P
7440-66-6	Zinc	10.0	20.0		U		P

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: Thallium MDL increased due to negative bias. SMB 1/9/07

USEPA - 7470A
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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-MW06S-001

Lab Name: Empirical Labs Contract: TetraTech NUS, Inc.

Lab Code: ELABN Case No.: SAS No.: SDG: SAUFLEYW001

Matrix: WATER Lab Sample ID: 0612069-01

Level (low/med): LOW Date Sampled: 12/06/06

% Solids: 0.0 Date Received: 12/07/06

Concentration Units (ug/L or mg/kg dry weight): ug/L

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
7439-97-6	Mercury	0.080	0.20		U		AV

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

_____

_____

USEPA - 9012A
- 1 -
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-MW06S-001

Lab Name: Empirical Labs Contract: TetraTech NUS, Inc.

Lab Code: ELABN Case No.: SAS No.: SDG: SAUFLEYW001

Matrix: WATER Lab Sample ID: 0612069-01

Level (low/med): LOW Date Sampled: 12/06/06

% Solids: 0.0 Date Received: 12/07/06

Concentration Units (ug/L or mg/kg dry weight): ug/L

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
57-12-5	Cyanide	5.0	10.0		U		AS

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

_____

_____

USEPA - 6010B
- 1 -
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-MW03S-001

Lab Name: Empirical Labs Contract: TetraTech NUS, Inc.

Lab Code: ELABN Case No.: SAS No.: SDG: SAUFLEYW001

Matrix: WATER Lab Sample ID: 0612069-03

Level (low/med): LOW Date Sampled: 12/06/06

% Solids: 0.0 Date Received: 12/07/06

Concentration Units (ug/L or mg/kg dry weight): ug/L

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
7440-28-0	Thallium	1.0	2.5		U		P
7440-22-4	Silver	1.0	10.0		U		P
7429-90-5	Aluminum	75.0	200	180	I		P
7440-38-2	Arsenic	3.0	10.0		U		P
7440-39-3	Barium	5.0	200	57.1	I		P
7440-41-7	Beryllium	4.0	10.0		U		P
7440-70-2	Calcium	1000	5000	8850			P
7440-43-9	Cadmium	1.0	5.0		U		P
7440-48-4	Cobalt	5.0	50.0		U		P
7440-47-3	Chromium	2.0	10.0	27.7			P
7440-50-8	Copper	5.0	25.0		U		P
7439-89-6	Iron	30.0	100	962			P
7440-09-7	Potassium	1000	5000	5630			P
7439-95-4	Magnesium	1000	5000	2810	I		P
7439-96-5	Manganese	3.0	15.0	235			P
7440-23-5	Sodium	1000	5000	4450	I		P
7440-02-0	Nickel	5.0	40.0	19.1	I		P
7439-92-1	Lead	1.5	3.0		U		P
7440-36-0	Antimony	5.0	60.0		U		P
7782-49-2	Selenium	5.0	10.0		U		P
7440-62-2	Vanadium	5.0	50.0		U		P
7440-66-6	Zinc	10.0	20.0		U		P

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: Thallium MDL increased due to negative bias. SMG 1/9/07

USEPA - 7470A
- 1 -
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-MW03S-001

Lab Name: Empirical Labs Contract: TetraTech NUS, Inc.

Lab Code: ELABN Case No.: SAS No.: SDG: SAUFLEYW001

Matrix: WATER Lab Sample ID: 0612069-03

Level (low/med): LOW Date Sampled: 12/06/06

% Solids: 0.0 Date Received: 12/07/06

Concentration Units (ug/L or mg/kg dry weight): ug/L

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
7439-97-6	Mercury	0.080	0.20		U		AV

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

_____

_____

USEPA - 9012A
- 1 -
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-MW03S-001

Lab Name: Empirical Labs Contract: TetraTech NUS, Inc.

Lab Code: ELABN Case No.: SAS No.: SDG: SAUFLEYW001

Matrix: WATER Lab Sample ID: 0612069-03

Level (low/med): LOW Date Sampled: 12/06/06

% Solids: 0.0 Date Received: 12/07/06

Concentration Units (ug/L or mg/kg dry weight): ug/L

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
57-12-5	Cyanide	5.0	10.0		U		AS

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

USEPA - 6010B

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-MW085-001

Lab Name: Empirical Labs Contract: TetraTech NUS, Inc.

Lab Code: ELABN Case No.: SAS No.: SDG: SAUFLEYW001

Matrix: WATER Lab Sample ID: 0612081-01

Level (low/med): LOW Date Sampled: 12/07/06

% Solids: 0.0 Date Received: 12/08/06

Concentration Units (ug/L or mg/kg dry weight): ug/L

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
7440-28-0	Thallium	0.75	2.5		U		P
7440-22-4	Silver	1.0	10.0		U		P
7429-90-5	Aluminum	75.0	200	755			P
7440-38-2	Arsenic	3.0	10.0		U		P
7440-39-3	Barium	5.0	200	50.2	I		P
7440-41-7	Beryllium	4.0	10.0		U		P
7440-70-2	Calcium	1000	5000	13200			P
7440-43-9	Cadmium	1.0	5.0		U		P
7440-48-4	Cobalt	5.0	50.0		U		P
7440-47-3	Chromium	2.0	10.0	35.3			P
7440-50-8	Copper	5.0	25.0		U		P
7439-89-6	Iron	30.0	100	2040			P
7440-09-7	Potassium	1000	5000	9210			P
7439-95-4	Magnesium	1000	5000	1820	I		P
7439-96-5	Manganese	3.0	15.0	400			P
7440-23-5	Sodium	1000	5000	5330			P
7440-02-0	Nickel	5.0	40.0	22.1	I		P
7439-92-1	Lead	1.5	3.0		U		P
7440-36-0	Antimony	5.0	60.0		U		P
7782-49-2	Selenium	5.0	10.0		U		P
7440-62-2	Vanadium	5.0	50.0		U		P
7440-66-6	Zinc	10.0	20.0		U		P

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

USEPA - 7470A
- 1 -
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-MW085-001

Lab Name: Empirical Labs Contract: TetraTech NUS, Inc.

Lab Code: ELABN Case No.: SAS No.: SDG: SAUFLEYW001

Matrix: WATER Lab Sample ID: 0612081-01

Level (low/med): LOW Date Sampled: 12/07/06

% Solids: 0.0 Date Received: 12/08/06

Concentration Units (ug/L or mg/kg dry weight): ug/L

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
7439-97-6	Mercury	0.080	0.20		U		AV

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

_____

_____

USEPA - 9012A
- 1 -
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-MW085-001

Lab Name: Empirical Labs Contract: TetraTech NUS, Inc.

Lab Code: ELABN Case No.: SAS No.: SDG: SAUFLEYW001

Matrix: WATER Lab Sample ID: 0612081-01

Level (low/med): LOW Date Sampled: 12/07/06

% Solids: 0.0 Date Received: 12/08/06

Concentration Units (ug/L or mg/kg dry weight): ug/L

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
57-12-5	Cyanide	5.0	10.0		U		AS

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

_____

_____

USEPA - 6010B
- 1 -
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-MW08S-001-D

Lab Name: Empirical Labs Contract: TetraTech NUS, Inc.

Lab Code: ELABN Case No.: SAS No.: SDG: SAUFLEYW001

Matrix: WATER Lab Sample ID: 0612081-02

Level (low/med): LOW Date Sampled: 12/07/06

% Solids: 0.0 Date Received: 12/08/06

Concentration Units (ug/L or mg/kg dry weight): ug/L

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
7440-28-0	Thallium	1.0	2.5		U		P
7440-22-4	Silver	1.0	10.0		U		P
7429-90-5	Aluminum	75.0	200	815			P
7440-38-2	Arsenic	3.0	10.0		U		P
7440-39-3	Barium	5.0	200	49.7	I		P
7440-41-7	Beryllium	4.0	10.0		U		P
7440-70-2	Calcium	1000	5000	13200			P
7440-43-9	Cadmium	1.0	5.0		U		P
7440-48-4	Cobalt	5.0	50.0		U		P
7440-47-3	Chromium	2.0	10.0	19.7			P
7440-50-8	Copper	5.0	25.0		U		P
7439-89-6	Iron	30.0	100	1970			P
7440-09-7	Potassium	1000	5000	9010			P
7439-95-4	Magnesium	1000	5000	1780	I		P
7439-96-5	Manganese	3.0	15.0	398			P
7440-23-5	Sodium	1000	5000	5270			P
7440-02-0	Nickel	5.0	40.0	13.6	I		P
7439-92-1	Lead	1.5	3.0		U		P
7440-36-0	Antimony	5.0	60.0		U		P
7782-49-2	Selenium	5.0	10.0		U		P
7440-62-2	Vanadium	5.0	50.0		U		P
7440-66-6	Zinc	10.0	20.0		U		P

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: Thallium MDL increased due to negative bias. SMG 1/9/07

USEPA - 7470A
- 1 -
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-MW08S-001-D

Lab Name: Empirical Labs Contract: TetraTech NUS, Inc.

Lab Code: ELABN Case No.: SAS No.: SDG: SAUFLEYW001

Matrix: WATER Lab Sample ID: 0612081-02

Level (low/med): LOW Date Sampled: 12/07/06

% Solids: 0.0 Date Received: 12/08/06

Concentration Units (ug/L or mg/kg dry weight): ug/L

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
7439-97-6	Mercury	0.080	0.20		U		AV

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

USEPA - 9012A
- 1 -
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-MW08S-001-D

Lab Name: Empirical Labs Contract: TetraTech NUS, Inc.

Lab Code: ELABN Case No.: SAS No.: SDG: SAUFLEYW001

Matrix: WATER Lab Sample ID: 0612081-02

Level (low/med): LOW Date Sampled: 12/07/06

% Solids: 0.0 Date Received: 12/08/06

Concentration Units (ug/L or mg/kg dry weight): ug/L

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
57-12-5	Cyanide	5.0	10.0		U		AS

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

_____

_____

USEPA - 6010B
- 1 -
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-MW5S-001

Lab Name: Empirical Labs Contract: TetraTech NUS, Inc.

Lab Code: ELABN Case No.: SAS No.: SDG: SAUFLEYW001

Matrix: WATER Lab Sample ID: 0612081-04

Level (low/med): LOW Date Sampled: 12/07/06

% Solids: 0.0 Date Received: 12/08/06

Concentration Units (ug/L or mg/kg dry weight): ug/L

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
7440-28-0	Thallium	1.0	2.5		U		P
7440-22-4	Silver	1.0	10.0		U		P
7429-90-5	Aluminum	75.0	200	752			P
7440-38-2	Arsenic	3.0	10.0		U		P
7440-39-3	Barium	5.0	200	81.8	I		P
7440-41-7	Beryllium	4.0	10.0		U		P
7440-70-2	Calcium	1000	5000	30600			P
7440-43-9	Cadmium	1.0	5.0		U		P
7440-48-4	Cobalt	5.0	50.0		U		P
7440-47-3	Chromium	2.0	10.0	79.5			P
7440-50-8	Copper	5.0	25.0		U		P
7439-89-6	Iron	30.0	100	3470			P
7440-09-7	Potassium	1000	5000	3040	I		P
7439-95-4	Magnesium	1000	5000	1450	I		P
7439-96-5	Manganese	3.0	15.0	495			P
7440-23-5	Sodium	1000	5000	3760	I		P
7440-02-0	Nickel	5.0	40.0	44.0			P
7439-92-1	Lead	1.5	3.0		U		P
7440-36-0	Antimony	5.0	60.0		U		P
7782-49-2	Selenium	5.0	10.0		U		P
7440-62-2	Vanadium	5.0	50.0		U		P
7440-66-6	Zinc	10.0	20.0		U		P

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: Thallium MDL increased due to negative bias. smc 1/9/07

USEPA - 7470A
- 1 -
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-MW5S-001

Lab Name: Empirical Labs Contract: TetraTech NUS, Inc.

Lab Code: ELABN Case No.: SAS No.: SDG: SAUFLEYW001

Matrix: WATER Lab Sample ID: 0612081-04

Level (low/med): LOW Date Sampled: 12/07/06

% Solids: 0.0 Date Received: 12/08/06

Concentration Units (ug/L or mg/kg dry weight): ug/L

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
7439-97-6	Mercury	0.080	0.20		U		AV

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

USEPA - 9012A
- 1 -
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-MW5S-001

Lab Name: Empirical Labs Contract: TetraTech NUS, Inc.

Lab Code: ELABN Case No.: SAS No.: SDG: SAUFLEYW001

Matrix: WATER Lab Sample ID: 0612081-04

Level (low/med): LOW Date Sampled: 12/07/06

% Solids: 0.0 Date Received: 12/08/06

Concentration Units (ug/L or mg/kg dry weight): ug/L

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
57-12-5	Cyanide	5.0	10.0		U		AS

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

_____

_____

USEPA - 6010B
- 1 -
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLSF4-MW-16S-001

Lab Name: Empirical Labs Contract: TetraTech NUS, Inc.

Lab Code: ELABN Case No.: SAS No.: SDG: SAUFLEYW001

Matrix: WATER Lab Sample ID: 0612081-05

Level (low/med): LOW Date Sampled: 12/07/06

% Solids: 0.0 Date Received: 12/08/06

Concentration Units (ug/L or mg/kg dry weight): ug/L

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
7440-28-0	Thallium	1.3	2.5		U		P
7440-22-4	Silver	1.0	10.0		U		P
7429-90-5	Aluminum	75.0	200	761			P
7440-38-2	Arsenic	3.0	10.0		U		P
7440-39-3	Barium	5.0	200	30.5	I		P
7440-41-7	Beryllium	4.0	10.0		U		P
7440-70-2	Calcium	1000	5000	9790			P
7440-43-9	Cadmium	1.0	5.0		U		P
7440-48-4	Cobalt	5.0	50.0		U		P
7440-47-3	Chromium	2.0	10.0	120			P
7440-50-8	Copper	5.0	25.0		U		P
7439-89-6	Iron	30.0	100	1120			P
7440-09-7	Potassium	1000	5000	2640	I		P
7439-95-4	Magnesium	1000	5000	1060	I		P
7439-96-5	Manganese	3.0	15.0	310			P
7440-23-5	Sodium	1000	5000	4380	I		P
7440-02-0	Nickel	5.0	40.0	68.6			P
7439-92-1	Lead	1.5	3.0		U		P
7440-36-0	Antimony	5.0	60.0		U		P
7782-49-2	Selenium	5.0	10.0		U		P
7440-62-2	Vanadium	5.0	50.0		U		P
7440-66-6	Zinc	10.0	20.0		U		P

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: Thallium MDL increased due to negative bias. SMG 1/9/07

USEPA - 7470A
- 1 -
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLSF4-MW-16S-001

Lab Name: Empirical Labs Contract: TetraTech NUS, Inc.

Lab Code: ELABN Case No.: SAS No.: SDG: SAUFLEYW001

Matrix: WATER Lab Sample ID: 0612081-05

Level (low/med): LOW Date Sampled: 12/07/06

% Solids: 0.0 Date Received: 12/08/06

Concentration Units (ug/L or mg/kg dry weight): ug/L

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
7439-97-6	Mercury	0.080	0.20		U		AV

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

USEPA - 9012A
- 1 -
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLSF4-MW-16S-001

Lab Name: Empirical Labs Contract: TetraTech NUS, Inc.

Lab Code: ELABN Case No.: SAS No.: SDG: SAUFLEYW001

Matrix: WATER Lab Sample ID: 0612081-05

Level (low/med): LOW Date Sampled: 12/07/06

% Solids: 0.0 Date Received: 12/08/06

Concentration Units (ug/L or mg/kg dry weight): ug/L

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
57-12-5	Cyanide	5.0	10.0		U		AS

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

USEPA - 6010B
- 1 -
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLSF4-MW-19S-001

Lab Name: Empirical Labs Contract: TetraTech NUS, Inc.

Lab Code: ELABN Case No.: SAS No.: SDG: SAUFLEYW001

Matrix: WATER Lab Sample ID: 0612081-06

Level (low/med): LOW Date Sampled: 12/07/06

% Solids: 0.0 Date Received: 12/08/06

Concentration Units (ug/L or mg/kg dry weight): ug/L

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
7440-28-0	Thallium	1.0	2.5		U		P
7440-22-4	Silver	1.0	10.0		U		P
7429-90-5	Aluminum	75.0	200	170	I		P
7440-38-2	Arsenic	4.0	10.0		U		P
7440-39-3	Barium	5.0	200	25.4	I		P
7440-41-7	Beryllium	4.0	10.0		U		P
7440-70-2	Calcium	1000	5000	4790	I		P
7440-43-9	Cadmium	1.0	5.0		U		P
7440-48-4	Cobalt	5.0	50.0	12.1	I		P
7440-47-3	Chromium	2.0	10.0	855			P
7440-50-8	Copper	5.0	25.0	6.8	I		P
7439-89-6	Iron	30.0	100	3710			P
7440-09-7	Potassium	1000	5000		U		P
7439-95-4	Magnesium	1000	5000	1900	I		P
7439-96-5	Manganese	3.0	15.0	161			P
7440-23-5	Sodium	1000	5000	4310	I		P
7440-02-0	Nickel	5.0	40.0	438			P
7439-92-1	Lead	1.5	3.0		U		P
7440-36-0	Antimony	5.0	60.0		U		P
7782-49-2	Selenium	5.0	10.0		U		P
7440-62-2	Vanadium	5.0	50.0		U		P
7440-66-6	Zinc	10.0	20.0		U		P

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: Arsenic and Thallium MDLs increased due to negative bias. SMG 1/3/07

USEPA - 7470A
- 1 -
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLSF4-MW-19S-001

Lab Name: Empirical Labs Contract: TetraTech NUS, Inc.

Lab Code: ELABN Case No.: SAS No.: SDG: SAUFLEYW001

Matrix: WATER Lab Sample ID: 0612081-06

Level (low/med): LOW Date Sampled: 12/07/06

% Solids: 0.0 Date Received: 12/08/06

Concentration Units (ug/L or mg/kg dry weight): ug/L

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
7439-97-6	Mercury	0.080	0.20		U		AV

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

_____

_____

USEPA - 9012A
- 1 -
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLSF4-MW-19S-001

Lab Name: Empirical Labs Contract: TetraTech NUS, Inc.

Lab Code: ELABN Case No.: SAS No.: SDG: SAUFLEYW001

Matrix: WATER Lab Sample ID: 0612081-06

Level (low/med): LOW Date Sampled: 12/07/06

% Solids: 0.0 Date Received: 12/08/06

Concentration Units (ug/L or mg/kg dry weight): ug/L

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
57-12-5	Cyanide	5.0	10.0		U		AS

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

_____

_____

USEPA - 6010B
- 1 -
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-MW07S-001

Lab Name: Empirical Labs Contract: TetraTech NUS, Inc.

Lab Code: ELABN Case No.: SAS No.: SDG: SAUFLEYW001

Matrix: WATER Lab Sample ID: 0612095-02

Level (low/med): LOW Date Sampled: 12/08/06

% Solids: 0.0 Date Received: 12/09/06

Concentration Units (ug/L or mg/kg dry weight): ug/L

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
7440-28-0	Thallium	0.75	2.5		U		P
7440-22-4	Silver	1.0	10.0		U		P
7429-90-5	Aluminum	75.0	200	790			P
7440-38-2	Arsenic	3.0	10.0		U		P
7440-39-3	Barium	5.0	200	72.5	I		P
7440-41-7	Beryllium	4.0	10.0		U		P
7440-70-2	Calcium	1000	5000	38100			P
7440-43-9	Cadmium	1.0	5.0		U		P
7440-48-4	Cobalt	5.0	50.0		U		P
7440-47-3	Chromium	2.0	10.0	103			P
7440-50-8	Copper	5.0	25.0		U		P
7439-89-6	Iron	30.0	100	7550			P
7440-09-7	Potassium	1000	5000	6010			P
7439-95-4	Magnesium	1000	5000	4000	I		P
7439-96-5	Manganese	3.0	15.0	816			P
7440-23-5	Sodium	1000	5000	5790			P
7440-02-0	Nickel	5.0	40.0	54.8			P
7439-92-1	Lead	1.5	3.0		U		P
7440-36-0	Antimony	5.0	60.0		U		P
7782-49-2	Selenium	5.0	10.0		U		P
7440-62-2	Vanadium	5.0	50.0		U		P
7440-66-6	Zinc	10.0	20.0		U		P

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

_____

_____

USEPA - 7470A
- 1 -
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-MW07S-001

Lab Name: Empirical Labs Contract: TetraTech NUS, Inc.

Lab Code: ELABN Case No.: SAS No.: SDG: SAUFLEYW001

Matrix: WATER Lab Sample ID: 0612095-02

Level (low/med): LOW Date Sampled: 12/08/06

% Solids: 0.0 Date Received: 12/09/06

Concentration Units (ug/L or mg/kg dry weight): ug/L

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
7439-97-6	Mercury	0.080	0.20		U		AV

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

USEPA - 9012A
- 1 -
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-MW07S-001

Lab Name: Empirical Labs Contract: TetraTech NUS, Inc.

Lab Code: ELABN Case No.: SAS No.: SDG: SAUFLEYW001

Matrix: WATER Lab Sample ID: 0612095-02

Level (low/med): LOW Date Sampled: 12/08/06

% Solids: 0.0 Date Received: 12/09/06

Concentration Units (ug/L or mg/kg dry weight): ug/L

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
57-12-5	Cyanide	5.0	10.0		U		AS

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

USEPA - CLP

2A
INITIAL AND CONTINUING CALIBRATION VERIFICATION

ab Name: Empirical Laboratories Contract: TetraTech NUS, Inc.

ab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: SaufleyW001

nitial Calibration Source: Accustandard,Spex,Fisher

ontinuing Calibration Source: Spex,Ultra,Fisher

Concentration Units: ug/L

Analyte	Initial Calibration			Continuing Calibration					M
	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	
Cyanide	200.0	210.70	105.4	200.0	217.00	108.5	213.80	106.9	AS
Mercury	4.0	4.06	101.5	4.0/2.0	3.99	99.8	2.08	104.0	AV
Thallium	1000.0	978.00	97.8	1000.0	1025.11	102.5	993.28	99.3	P

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

USEPA - CLP

2A
INITIAL AND CONTINUING CALIBRATION VERIFICATION

ıb Name: Empirical Laboratories Contract: TetraTech NUS, Inc.

ab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: SaufleyW001

ıitial Calibration Source: Accustandard,Spex,Fisher

ɔntinuing Calibration Source: Spex,Ultra,Fisher

Concentration Units: ug/L

	Initial Calibration			Continuing Calibration					
Analyte	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	M
Thallium				1000.0	1036.75	103.7	1021.15	102.1	P

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

USEPA - CLP

2A
INITIAL AND CONTINUING CALIBRATION VERIFICATION

ab Name: Empirical Laboratories Contract: TetraTech NUS, Inc.

ab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: SaufleyW001

nitial Calibration Source: Accustandard,Spex,Fisher

ontinuing Calibration Source: Spex,Ultra,Fisher

Concentration Units: ug/L

Analyte	Initial Calibration			Continuing Calibration					M
	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	
Aluminum	10000.0	10149.30	101.5	10000.0	10268.96	102.7	10350.57	103.5	P
Antimony	1000.0	956.19	95.6	1000.0	1012.90	101.3	1026.62	102.7	P
Arsenic	1000.0	1036.70	103.7	1000.0	1065.05	106.5	1067.47	106.7	P
Barium	1000.0	969.12	96.9	1000.0	976.35	97.6	971.02	97.1	P
Beryllium	1000.0	1054.56	105.5	1000.0	1062.50	106.2	1053.48	105.3	P
Cadmium	1000.0	1058.05	105.8	1000.0	1048.14	104.8	1049.68	105.0	P
Calcium	1000.0	1030.14	103.0	1000.0	1005.59	100.6	973.71	97.4	P
Chromium	1000.0	1014.15	101.4	1000.0	1019.37	101.9	1019.90	102.0	P
Cobalt	1000.0	1000.86	100.1	1000.0	1013.67	101.4	1009.87	101.0	P
Copper	1000.0	1012.41	101.2	1000.0	1034.37	103.4	1035.98	103.6	P
Cyanide	200.0	204.50	102.2	200.0	209.90	105.0	203.70	101.8	AS
Iron	10000.0	9985.16	99.9	10000.0	10073.04	100.7	10055.08	100.6	P
Lead	1000.0	1014.62	101.5	1000.0	1025.75	102.6	1024.96	102.5	P
Magnesium	1000.0	928.55	92.9	1000.0	935.91	93.6	948.42	94.8	P
Manganese	1000.0	1011.70	101.2	1000.0	1035.89	103.6	1037.45	103.7	P
Nickel	1000.0	1003.46	100.3	1000.0	1032.39	103.2	1038.09	103.8	P
Potassium	10000.0	9791.86	97.9	10000.0	9868.40	98.7	9830.12	98.3	P
Selenium	1000.0	1051.52	105.2	1000.0	1064.71	106.5	1062.47	106.2	P
Silver	500.0	483.99	96.8	500.0	484.65	96.9	485.43	97.1	P
Sodium	11000.0	11247.53	102.3	11000.0	11099.54	100.9	11172.94	101.6	P
Vanadium	1000.0	1009.28	100.9	1000.0	1019.75	102.0	1022.34	102.2	P
Zinc	1000.0	1026.87	102.7	1000.0	1035.18	103.5	1034.90	103.5	P

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

USEPA - CLP

2A
INITIAL AND CONTINUING CALIBRATION VERIFICATION

ıb Name: Empirical Laboratories Contract: TetraTech NUS, Inc.

ab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: SaufleyW001

ıitial Calibration Source: Accustandard,Spex,Fisher

ɔntinuing Calibration Source: Spex,Ultra,Fisher

Concentration Units: ug/L

Analyte	Initial Calibration			Continuing Calibration					
	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	M
Aluminum				10000.0	10306.17	103.1	10437.22	104.4	P
Antimony				1000.0	1013.30	101.3	1034.84	103.5	P
Arsenic				1000.0	1065.99	106.6	1081.27	108.1	P
Barium				1000.0	967.22	96.7	976.12	97.6	P
Beryllium				1000.0	1037.59	103.8	1046.21	104.6	P
Cadmium				1000.0	1040.92	104.1	1056.47	105.6	P
Calcium				1000.0	946.83	94.7	958.17	95.8	P
Chromium				1000.0	1013.66	101.4	1029.01	102.9	P
Cobalt				1000.0	998.52	99.9	1011.34	101.1	P
Copper				1000.0	1032.01	103.2	1046.05	104.6	P
Cyanide				200.0	209.80	104.9			AS
Iron				10000.0	10008.04	100.1	10160.12	101.6	P
Lead				1000.0	1019.38	101.9	1027.52	102.8	P
Magnesium				1000.0	942.20	94.2	950.89	95.1	P
Manganese				1000.0	1030.04	103.0	1045.97	104.6	P
Nickel				1000.0	1034.23	103.4	1051.97	105.2	P
Potassium				10000.0	9796.52	98.0	9878.67	98.8	P
Selenium				1000.0	1061.99	106.2	1063.28	106.3	P
Silver				500.0	479.56	95.9	484.75	97.0	P
Sodium				11000.0	10976.56	99.8	11028.34	100.3	P
Vanadium				1000.0	1017.05	101.7	1032.56	103.3	P
Zinc				1000.0	1022.28	102.2	1039.59	104.0	P

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

2B-IN
CRDL STANDARD FOR AA AND ICP

ab Name: Empirical Laboratories Contract: TetraTech NUS, Inc.

ab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: SaufleyW001

A CRDL Standard Source: _____

CP CRDL Standard Source: Spex

Concentration Units: ug/L

Analyte	True	Found	%R	CRDL Standard for ICP Initial True	Found	%R	Final Found	%R
Thallium				20.0	21.77	108.8		

Control Limits: no limits have been established by EPA at this time

USEPA - CLP

2B-IN

CRDL STANDARD FOR AA AND ICP

ab Name: Empirical Laboratories Contract: TetraTech NUS, Inc.

ab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: SaufleyW001

A CRDL Standard Source: _____

CP CRDL Standard Source: Spex

Concentration Units: ug/L

Analyte	True	Found	%R	CRDL Standard for ICP Initial True	Initial Found	Initial %R	Final Found	Final %R
Aluminum								
Antimony				120.0	128.97	107.5		
Arsenic				20.0	23.09	115.4		
Barium								
Beryllium				10.0	11.29	112.9		
Cadmium				10.0	11.14	111.4		
Calcium								
Chromium				20.0	21.58	107.9		
Cobalt				100.0	103.87	103.9		
Copper				50.0	54.11	108.2		
Iron								
Lead				6.0	6.28	104.7		
Magnesium								
Manganese				30.0	31.68	105.6		
Nickel				80.0	84.43	105.5		
Potassium								
Selenium				10.0	13.18	131.8		
Silver				20.0	20.45	102.2		
Sodium								
Vanadium				100.0	105.30	105.3		
Zinc				40.0	42.44	106.1		

Control Limits: no limits have been established by EPA at this time

3

BLANKS

ab Name: Empirical Laboratories Contract: TetraTech NUS, Inc.

ab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: SaufleyW001

reparation Blank Matrix (soil/water): WATER

reparation Blank Concentration Units (ug/L or mg/kg): UG/L

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Preparation Blank	C	M
Cyanide	5.0	U	5.0	U	5.0	U			5.000	U	AS
Mercury	0.080	U	0.080	U	0.080	U			0.080	U	AV
Thallium	3.0	U	3.0	U	3.0	U	3.0	U	0.750	U	P

3

BLANKS

ab Name: Empirical Laboratories Contract: TetraTech NUS, Inc.

ab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: SaufleyW001

eparation Blank Matrix (soil/water): WATER

eparation Blank Concentration Units (ug/L or mg/kg): UG/L

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Preparation Blank	C	M
Thallium			3.0	U							P

BLANKS

ab Name: Empirical Laboratories Contract: TetraTech NUS, Inc.

ab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: SaufleyW001

reparation Blank Matrix (soil/water): WATER

reparation Blank Concentration Units (ug/L or mg/kg): UG/L

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Preparation Blank	C	M
Aluminum	75.0	U	75.0	U	75.0	U	75.0	U	75.000	U	P
Antimony	5.0	U	5.0	U	5.0	U	5.0	U	5.000	U	P
Arsenic	3.0	U	3.0	U	3.0	U	3.0	U	3.000	U	P
Barium	5.0	U	5.0	U	5.0	U	5.0	U	5.000	U	P
Beryllium	4.0	U	4.0	U	4.0	U	4.0	U	4.000	U	P
Cadmium	1.0	U	1.0	U	1.0	U	1.0	U	1.000	U	P
Calcium	1000.0	U	1000.0	U	1000.0	U	1000.0	U	1000.000	U	P
Chromium	2.0	U	2.0	U	2.0	U	2.0	U	2.000	U	P
Cobalt	5.0	U	5.0	U	5.0	U	5.0	U	5.000	U	P
Copper	5.0	U	5.0	U	5.0	U	5.0	U	5.000	U	P
Cyanide	5.0	U	5.2	I	5.0	U	5.0	U	5.000	U	AS
Iron	30.0	U	30.0	U	30.0	U	30.0	U	30.000	U	P
Lead	1.5	U	1.5	U	1.5	U	1.5	U	1.500	U	P
Magnesium	1000.0	U	1000.0	U	1000.0	U	1000.0	U	1000.000	U	P
Manganese	3.0	U	3.0	U	3.0	U	3.0	U	3.000	U	P
Nickel	5.0	U	5.0	U	5.0	U	5.0	U	5.000	U	P
Potassium	1000.0	U	1000.0	U	1000.0	U	1000.0	U	1000.000	U	P
Selenium	5.0	U	5.0	U	5.0	U	5.0	U	5.000	U	P
Silver	1.0	U	1.0	U	1.0	U	1.0	U	1.000	U	P
Sodium	1000.0	U	1000.0	U	1000.0	U	1000.0	U	1000.000	U	P
Vanadium	5.0	U	5.0	U	5.0	U	5.0	U	5.000	U	P
Zinc	10.0	U	10.0	U	10.0	U	10.0	U	10.000	U	P

3

BLANKS

ab Name: Empirical Laboratories Contract: TetraTech NUS, Inc.

ab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: SaufleyW001

reparation Blank Matrix (soil/water): WATER

reparation Blank Concentration Units (ug/L or mg/kg): UG/L

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Preparation Blank	C	M
Aluminum			75.0	U							P
Antimony			5.0	U							P
Arsenic			-3.1	I							P
Barium			5.0	U							P
Beryllium			4.0	U							P
Cadmium			1.0	U							P
Calcium			1000.0	U							P
Chromium			2.0	U							P
Cobalt			5.0	U							P
Copper			5.0	U							P
Iron			30.0	U							P
Lead			1.5	U							P
Magnesium			1000.0	U							P
Manganese			3.0	U							P
Nickel			5.0	U							P
Potassium			1000.0	U							P
Selenium			5.0	U							P
Silver			1.0	U							P
Sodium			1000.0	U							P
Vanadium			5.0	U							P
Zinc			10.0	U							P

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW06S-001

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW001

Matrix: (soil/water) WATER Lab Sample ID: 0612069-01

Sample wt/vol: 900.0 (g/mL) ML Lab File ID: 1206901

% Moisture: _____ decanted: (Y/N)___ Date Sampled: 12/06/06 13:00

Extraction: (SepF/Cont/Sonc/Soxh) SEPF Date Extracted:12/11/06

Concentrated Extract Volume: 500.0(uL) Date Analyzed: 12/12/06 17:28

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
83-32-9	Acenaphthene	0.011	0.056		U
208-96-8	Acenaphthylene	0.0094	0.056		U
120-12-7	Anthracene	0.010	0.056		U
56-55-3	Benzo(a)anthracene	0.012	0.056		U
205-99-2	Benzo(b)fluoranthene	0.018	0.056		U
207-08-9	Benzo(k)fluoranthene	0.014	0.056		U
191-24-2	Benzo(g,h,i)perylene	0.014	0.056		U
50-32-8	Benzo(a)pyrene	0.010	0.056		U
218-01-9	Chrysene	0.010	0.056		U
53-70-3	Dibenz(a,h)anthracene	0.013	0.056		U
206-44-0	Fluoranthene	0.013	0.056		U
86-73-7	Fluorene	0.014	0.056		U
193-39-5	Indeno(1,2,3-cd)pyrene	0.020	0.056		U
91-57-6	2-Methylnaphthalene	0.018	0.056	0.054	I
90-12-0	1-Methylnaphthalene	0.011	0.056	0.029	I
91-20-3	Naphthalene	0.021	0.056	0.063	
85-01-8	Phenanthrene	0.016	0.056		U
129-00-0	Pyrene	0.012	0.056		U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW03S-001

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW001

Matrix: (soil/water) WATER Lab Sample ID: 0612069-03

Sample wt/vol: 980.0 (g/mL) ML Lab File ID: 1206903

% Moisture: _____ decanted: (Y/N)___ Date Sampled: 12/06/06 17:00

Extraction: (SepF/Cont/Sonc/Soxh) SEPF Date Extracted:12/11/06

Concentrated Extract Volume: 500.0(uL) Date Analyzed: 12/12/06 18:08

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
83-32-9	Acenaphthene	0.010	0.051		U
208-96-8	Acenaphthylene	0.0087	0.051		U
120-12-7	Anthracene	0.0097	0.051		U
56-55-3	Benzo(a)anthracene	0.011	0.051		U
205-99-2	Benzo(b)fluoranthene	0.016	0.051		U
207-08-9	Benzo(k)fluoranthene	0.013	0.051		U
191-24-2	Benzo(g,h,i)perylene	0.013	0.051		U
50-32-8	Benzo(a)pyrene	0.0097	0.051		U
218-01-9	Chrysene	0.0092	0.051		U
53-70-3	Dibenz(a,h)anthracene	0.012	0.051		U
206-44-0	Fluoranthene	0.012	0.051		U
86-73-7	Fluorene	0.013	0.051		U
193-39-5	Indeno(1,2,3-cd)pyrene	0.018	0.051		U
91-57-6	2-Methylnaphthalene	0.016	0.051	0.034	I
90-12-0	1-Methylnaphthalene	0.010	0.051	0.020	I
91-20-3	Naphthalene	0.019	0.051	0.050	I
85-01-8	Phenanthrene	0.014	0.051		U
129-00-0	Pyrene	0.011	0.051		U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW08S-001

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW001

Matrix: (soil/water) WATER Lab Sample ID: 0612081-01

Sample wt/vol: 920.0 (g/mL) ML Lab File ID: 1208101

% Moisture: _____ decanted: (Y/N)___ Date Sampled: 12/07/06 12:00

Extraction: (SepF/Cont/Sonc/Soxh) SEPF Date Extracted:12/11/06

Concentrated Extract Volume: 500.0(uL) Date Analyzed: 12/12/06 20:08

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
83-32-9	Acenaphthene	0.011	0.054		U
208-96-8	Acenaphthylene	0.0092	0.054		U
120-12-7	Anthracene	0.010	0.054		U
56-55-3	Benzo(a)anthracene	0.011	0.054		U
205-99-2	Benzo(b)fluoranthene	0.017	0.054		U
207-08-9	Benzo(k)fluoranthene	0.014	0.054		U
191-24-2	Benzo(g,h,i)perylene	0.014	0.054		U
50-32-8	Benzo(a)pyrene	0.010	0.054		U
218-01-9	Chrysene	0.0098	0.054		U
53-70-3	Dibenz(a,h)anthracene	0.013	0.054		U
206-44-0	Fluoranthene	0.012	0.054		U
86-73-7	Fluorene	0.014	0.054		U
193-39-5	Indeno(1,2,3-cd)pyrene	0.020	0.054		U
91-57-6	2-Methylnaphthalene	0.017	0.054	0.32	
90-12-0	1-Methylnaphthalene	0.011	0.054	0.17	
91-20-3	Naphthalene	0.021	0.054	0.37	
85-01-8	Phenanthrene	0.015	0.054	0.021	I
129-00-0	Pyrene	0.011	0.054		U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW
08S-001-D

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW001

Matrix: (soil/water) WATER Lab Sample ID: 0612081-02

Sample wt/vol: 900.0 (g/mL) ML Lab File ID: 1208102

% Moisture: _____ decanted: (Y/N)___ Date Sampled: 12/07/06 12:00

Extraction: (SepF/Cont/Sonc/Soxh) SEPF Date Extracted:12/11/06

Concentrated Extract Volume: 500.0(uL) Date Analyzed: 12/12/06 20:48

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
83-32-9	Acenaphthene	0.011	0.056		U
208-96-8	Acenaphthylene	0.0094	0.056		U
120-12-7	Anthracene	0.010	0.056		U
56-55-3	Benzo(a)anthracene	0.012	0.056		U
205-99-2	Benzo(b)fluoranthene	0.018	0.056		U
207-08-9	Benzo(k)fluoranthene	0.014	0.056		U
191-24-2	Benzo(g,h,i)perylene	0.014	0.056		U
50-32-8	Benzo(a)pyrene	0.010	0.056		U
218-01-9	Chrysene	0.010	0.056		U
53-70-3	Dibenz(a,h)anthracene	0.013	0.056		U
206-44-0	Fluoranthene	0.013	0.056		U
86-73-7	Fluorene	0.014	0.056		U
193-39-5	Indeno(1,2,3-cd)pyrene	0.020	0.056		U
91-57-6	2-Methylnaphthalene	0.018	0.056	0.058	
90-12-0	1-Methylnaphthalene	0.011	0.056	0.035	I
91-20-3	Naphthalene	0.021	0.056	0.089	
85-01-8	Phenanthrene	0.016	0.056	0.020	I
129-00-0	Pyrene	0.012	0.056	0.014	I

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW5S-001

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW001

Matrix: (soil/water) WATER Lab Sample ID: 0612081-04

Sample wt/vol: 850.0 (g/mL) ML Lab File ID: 1208104

% Moisture: _____ decanted: (Y/N)___ Date Sampled: 12/07/06 17:30

Extraction: (SepF/Cont/Sonc/Soxh) SEPF Date Extracted:12/11/06

Concentrated Extract Volume: 500.0(uL) Date Analyzed: 12/12/06 21:28

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
83-32-9	Acenaphthene	0.012	0.059		U
208-96-8	Acenaphthylene	0.010	0.059		U
120-12-7	Anthracene	0.011	0.059		U
56-55-3	Benzo(a)anthracene	0.012	0.059		U
205-99-2	Benzo(b)fluoranthene	0.019	0.059		U
207-08-9	Benzo(k)fluoranthene	0.015	0.059		U
191-24-2	Benzo(g,h,i)perylene	0.015	0.059		U
50-32-8	Benzo(a)pyrene	0.011	0.059		U
218-01-9	Chrysene	0.010	0.059		U
53-70-3	Dibenz(a,h)anthracene	0.014	0.059		U
206-44-0	Fluoranthene	0.014	0.059		U
86-73-7	Fluorene	0.015	0.059	0.10	
193-39-5	Indeno(1,2,3-cd)pyrene	0.021	0.059		U
91-57-6	2-Methylnaphthalene	0.019	0.059	13	L
90-12-0	1-Methylnaphthalene	0.012	0.059	8.6	
91-20-3	Naphthalene	0.022	0.059	23	L
85-01-8	Phenanthrene	0.016	0.059	0.039	I
129-00-0	Pyrene	0.012	0.059		U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW5S-001

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW001

Matrix: (soil/water) WATER Lab Sample ID: 0612081-04

Sample wt/vol: 850.0 (g/mL) ML Lab File ID: 1208104D

% Moisture: _____ decanted: (Y/N)___ Date Sampled: 12/07/06 17:30

Extraction: (SepF/Cont/Sonc/Soxh) SEPF Date Extracted:12/11/06

Concentrated Extract Volume: 500.0(uL) Date Analyzed: 12/13/06 13:35

Injection Volume: 2.0(uL) Dilution Factor: 5.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
83-32-9	Acenaphthene	0.059	0.29		UD
208-96-8	Acenaphthylene	0.050	0.29		UD
120-12-7	Anthracene	0.056	0.29		UD
56-55-3	Benzo(a)anthracene	0.062	0.29		UD
205-99-2	Benzo(b)fluoranthene	0.094	0.29		UD
207-08-9	Benzo(k)fluoranthene	0.076	0.29		UD
191-24-2	Benzo(g,h,i)perylene	0.076	0.29		UD
50-32-8	Benzo(a)pyrene	0.056	0.29		UD
218-01-9	Chrysene	0.053	0.29		UD
53-70-3	Dibenz(a,h)anthracene	0.070	0.29		UD
206-44-0	Fluoranthene	0.068	0.29		UD
86-73-7	Fluorene	0.074	0.29		UD
193-39-5	Indeno(1,2,3-cd)pyrene	0.10	0.29		UD
91-57-6	2-Methylnaphthalene	0.094	0.29	12	D
90-12-0	1-Methylnaphthalene	0.059	0.29	8.1	D
91-20-3	Naphthalene	0.11	0.29	20	D
85-01-8	Phenanthrene	0.082	0.29		UD
129-00-0	Pyrene	0.062	0.29		UD

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.
OLSF4-MW
-16S-001

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW001

Matrix: (soil/water) WATER Lab Sample ID: 0612081-05

Sample wt/vol: 900.0 (g/mL) ML Lab File ID: 1208105

% Moisture: _____ decanted: (Y/N)___ Date Sampled: 12/07/06 16:00

Extraction: (SepF/Cont/Sonc/Soxh) SEPF Date Extracted:12/11/06

Concentrated Extract Volume: 500.0(uL) Date Analyzed: 12/12/06 22:08

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
83-32-9	Acenaphthene	0.011	0.056		U
208-96-8	Acenaphthylene	0.0094	0.056		U
120-12-7	Anthracene	0.010	0.056		U
56-55-3	Benzo(a)anthracene	0.012	0.056		U
205-99-2	Benzo(b)fluoranthene	0.018	0.056		U
207-08-9	Benzo(k)fluoranthene	0.014	0.056		U
191-24-2	Benzo(g,h,i)perylene	0.014	0.056		U
50-32-8	Benzo(a)pyrene	0.010	0.056		U
218-01-9	Chrysene	0.010	0.056		U
53-70-3	Dibenz(a,h)anthracene	0.013	0.056		U
206-44-0	Fluoranthene	0.013	0.056		U
86-73-7	Fluorene	0.014	0.056	0.020	I
193-39-5	Indeno(1,2,3-cd)pyrene	0.020	0.056		U
91-57-6	2-Methylnaphthalene	0.018	0.056	0.063	
90-12-0	1-Methylnaphthalene	0.011	0.056	0.046	I
91-20-3	Naphthalene	0.021	0.056	0.10	
85-01-8	Phenanthrene	0.016	0.056	0.068	
129-00-0	Pyrene	0.012	0.056		U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.
OLSF4-MW
-19S-001

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW001

Matrix: (soil/water) WATER Lab Sample ID: 0612081-06

Sample wt/vol: 940.0 (g/mL) ML Lab File ID: 1208106

% Moisture: _____ decanted: (Y/N)___ Date Sampled: 12/07/06 16:00

Extraction: (SepF/Cont/Sonc/Soxh) SEPF Date Extracted:12/11/06

Concentrated Extract Volume: 500.0(uL) Date Analyzed: 12/12/06 22:48

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
83-32-9	Acenaphthene	0.011	0.053		U
208-96-8	Acenaphthylene	0.0090	0.053		U
120-12-7	Anthracene	0.010	0.053		U
56-55-3	Benzo(a)anthracene	0.011	0.053		U
205-99-2	Benzo(b)fluoranthene	0.017	0.053		U
207-08-9	Benzo(k)fluoranthene	0.014	0.053		U
191-24-2	Benzo(g,h,i)perylene	0.014	0.053		U
50-32-8	Benzo(a)pyrene	0.010	0.053		U
218-01-9	Chrysene	0.0096	0.053		U
53-70-3	Dibenz(a,h)anthracene	0.013	0.053		U
206-44-0	Fluoranthene	0.012	0.053		U
86-73-7	Fluorene	0.013	0.053		U
193-39-5	Indeno(1,2,3-cd)pyrene	0.019	0.053		U
91-57-6	2-Methylnaphthalene	0.017	0.053	0.025	I
90-12-0	1-Methylnaphthalene	0.011	0.053	0.015	I
91-20-3	Naphthalene	0.020	0.053	0.044	I
85-01-8	Phenanthrene	0.015	0.053		U
129-00-0	Pyrene	0.011	0.053		U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW07S-001

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW001

Matrix: (soil/water) WATER Lab Sample ID: 0612095-02

Sample wt/vol: 920.0 (g/mL) ML Lab File ID: 1209502

% Moisture: _____ decanted: (Y/N)___ Date Sampled: 12/08/06 16:00

Extraction: (SepF/Cont/Sonc/Soxh) SEPF Date Extracted:12/11/06

Concentrated Extract Volume: 500.0(uL) Date Analyzed: 12/12/06 23:28

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
83-32-9	Acenaphthene	0.011	0.054		U
208-96-8	Acenaphthylene	0.0092	0.054		U
120-12-7	Anthracene	0.010	0.054		U
56-55-3	Benzo(a)anthracene	0.011	0.054		U
205-99-2	Benzo(b)fluoranthene	0.017	0.054		U
207-08-9	Benzo(k)fluoranthene	0.014	0.054		U
191-24-2	Benzo(g,h,i)perylene	0.014	0.054		U
50-32-8	Benzo(a)pyrene	0.010	0.054		U
218-01-9	Chrysene	0.0098	0.054		U
53-70-3	Dibenz(a,h)anthracene	0.013	0.054		U
206-44-0	Fluoranthene	0.012	0.054		U
86-73-7	Fluorene	0.014	0.054	0.027	I
193-39-5	Indeno(1,2,3-cd)pyrene	0.020	0.054		U
91-57-6	2-Methylnaphthalene	0.017	0.054	0.51	
90-12-0	1-Methylnaphthalene	0.011	0.054	0.50	
91-20-3	Naphthalene	0.021	0.054	0.16	
85-01-8	Phenanthrene	0.015	0.054	0.033	I
129-00-0	Pyrene	0.011	0.054		U

FORM 2
WATER SEMIVOLATILE SURROGATE RECOVERY

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW001

	CLIENT SAMPLE NO.	S1 (NBZ) #	S2 (FBP) #	S3 (TPH) #	S4 #	S5 #	S6 #	S7 #	S8 #	TOT OUT
01	SBLK1211BW2	84	71	72						0
02	SBLK1211BW2L	78	62	72						0
03	OLFS4-MW06S-	65	52	66						0
04	OLFS4-MW03S-	73	60	81						0
05	OLFS4-MW03S-	65	52	66						0
06	OLFS4-MW03S-	66	57	67						0
07	OLFS4-MW08S-	79	66	96						0
08	OLFS4-MW08S-	80	71	90						0
09	OLFS4-MW5S-0	67	65	66						0
10	OLSF4-MW-16S	82	76	92						0
11	OLSF4-MW-19S	81	70	85						0
12	OLFS4-MW07S-	71	69	69						0
13	OLFS4-MW5S-0	59D	66D	63D						0
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	EL QC LIMITS	SPIKE CONC (UG/L)
S1 (NBZ) = Nitrobenzene-d5	(30-110)	1.0
S2 (FBP) = 2-Fluorobiphenyl	(35-110)	1.0
S3 (TPH) = Terphenyl-d14	(55-125)	1.0

Column to be used to flag recovery values
* Values outside of contract required QC limits
D Surrogate results reported from a diluted analysis

FORM 2
WATER SEMIVOLATILE SURROGATE RECOVERY

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW001

	CLIENT SAMPLE NO.	S1 (NBZ) #	S2 (FBP) #	S3 (TPH) #	S4 #	S5 #	S6 #	S7 #	S8 #	TOT OUT
01	SBLK1211BW2	84	71	72						0
02	SBLK1211BW2L	78	62	72						0
03	0612069-01	65	52	66						0
04	0612069-03	73	60	81						0
05	0612069-03	65	52	66						0
06	0612069-03	66	57	67						0
07	0612081-01	79	66	96						0
08	0612081-02	80	71	90						0
09	0612081-04	67	65	66						0
10	0612081-05	82	76	92						0
11	0612081-06	81	70	85						0
12	0612095-02	71	69	69						0
13	0612081-04	59D	66D	63D						0
14										
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	EL QC LIMITS	SPIKE CONC (UG/L)
S1 (NBZ) = Nitrobenzene-d5	(30-110)	1.0
S2 (FBP) = 2-Fluorobiphenyl	(35-110)	1.0
S3 (TPH) = Terphenyl-d14	(55-125)	1.0

Column to be used to flag recovery values
* Values outside of contract required QC limits
D Surrogate results reported from a diluted analysis

FORM 3

WATER SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW001

Matrix Spike - Client Sample No.: OLFS4-MW03S-001 Lab Sample ID: 0612069-03

COMPOUND	SPIKE ADDED (UG/L)	SAMPLE CONCENTRATION (UG/L)	MS CONCENTRATION (UG/L)	MS % REC #	QC. LIMITS REC.
Acenaphthene	1.042	0.0000	0.5537	53	45-110
Acenaphthylene	1.042	0.0000	0.5701	55	50-105
Anthracene	1.042	0.0000	0.6506	62	55-110
Benzo(a)anthracene	1.042	0.0000	0.7587	73	55-110
Benzo(b)fluoranthene	1.042	0.0000	0.6150	59	45-120
Benzo(k)fluoranthene	1.042	0.0000	0.7552	72	45-125
Benzo(g,h,i)perylene	1.042	0.0000	0.6291	60	40-125
Benzo(a)pyrene	1.042	0.0000	0.6457	62	55-110
Chrysene	1.042	0.0000	0.8181	78	55-110
Dibenz(a,h)anthracene	1.042	0.0000	0.5075	49	40-125
Fluoranthene	1.042	0.0000	0.7524	72	55-115
Fluorene	1.042	0.0000	0.5536	53	50-110
Indeno(1,2,3-cd)pyrene	1.042	0.0000	0.6381	61	45-125
2-Methylnaphthalene	1.042	0.03426	0.6077	55	45-105
1-Methylnaphthalene	1.042	0.01954	0.5282	49	45-105
Naphthalene	1.042	0.04962	0.5974	52	40-100
Phenanthrene	1.042	0.0000	0.6445	62	50-115
Pyrene	1.042	0.0000	0.7906	76	50-130

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

COMMENTS: _____

FORM 3
WATER SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW001

Matrix Spike - Client Sample No.: OLFS4-MW03S-001 Lab Sample ID: 0612069-03

COMPOUND	SPIKE ADDED (UG/L)	MSD CONCENTRATION (UG/L)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Acenaphthene	1.042	0.6009	58	8	40	45-110
Acenaphthylene	1.042	0.6402	61	12	40	50-105
Anthracene	1.042	0.6717	64	3	40	55-110
Benzo(a)anthracene	1.042	0.7994	77	5	40	55-110
Benzo(b)fluoranthene	1.042	0.6914	66	12	40	45-120
Benzo(k)fluoranthene	1.042	0.8739	84	14	40	45-125
Benzo(g,h,i)perylene	1.042	0.7343	70	15	40	40-125
Benzo(a)pyrene	1.042	0.7558	72	16	40	55-110
Chrysene	1.042	0.8556	82	4	40	55-110
Dibenz(a,h)anthracene	1.042	0.5946	57	16	40	40-125
Fluoranthene	1.042	0.8154	78	8	40	55-115
Fluorene	1.042	0.6281	60	13	40	50-110
Indeno(1,2,3-cd)pyrene	1.042	0.7148	68	11	40	45-125
2-Methylnaphthalene	1.042	0.6552	60	8	40	45-105
1-Methylnaphthalene	1.042	0.5416	50	2	40	45-105
Naphthalene	1.042	0.6152	54	3	40	40-100
Phenanthrene	1.042	0.6623	64	3	40	50-115
Pyrene	1.042	0.7576	73	4	40	50-130

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

RPD: 0 out of 18 outside limits
Spike Recovery: 0 out of 36 outside limits

COMMENTS: _____

FORM 3
WATER SEMIVOLATILE LAB CONTROL SAMPLE

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW001

Matrix Spike - Client Sample No.: SBLK1211BW2

COMPOUND	SPIKE ADDED (UG/L)	SAMPLE CONCENTRATION (UG/L)	LCS CONCENTRATION (UG/L)	LCS % REC #	QC. LIMITS REC.
Acenaphthene	1.000	0.0000	0.6569	66	45-110
Acenaphthylene	1.000	0.0000	0.6773	68	50-105
Anthracene	1.000	0.0000	0.7339	73	55-110
Benzo(a)anthracene	1.000	0.0000	0.7844	78	55-110
Benzo(b)fluoranthene	1.000	0.0000	0.7111	71	45-120
Benzo(k)fluoranthene	1.000	0.0000	0.9309	93	45-125
Benzo(g,h,i)perylene	1.000	0.0000	1.029	103	40-125
Benzo(a)pyrene	1.000	0.0000	0.8502	85	55-110
Chrysene	1.000	0.0000	0.8942	89	55-110
Dibenz(a,h)anthracene	1.000	0.0000	0.8792	88	40-125
Fluoranthene	1.000	0.0000	0.8350	84	55-115
Fluorene	1.000	0.0000	0.6821	68	50-110
Indeno(1,2,3-cd)pyrene	1.000	0.0000	0.7756	78	45-125
2-Methylnaphthalene	1.000	0.0000	0.6825	68	45-105
1-Methylnaphthalene	1.000	0.0000	0.5766	58	45-105
Naphthalene	1.000	0.0000	0.6687	67	40-100
Phenanthrene	1.000	0.0000	0.7150	72	50-115
Pyrene	1.000	0.0000	0.7414	74	50-130

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

RPD: 0 out of 0 outside limits
Spike Recovery: 0 out of 18 outside limits

COMMENTS: _____

FORM 4
SEMIVOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE NO.

SBLK1211BW2

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW001

Lab File ID: SWBL1211 Lab Sample ID: SBLK1211BW2

Instrument ID: BNA3 Date Extracted: 12/11/06

Matrix: (soil/water) WATER Date Analyzed: 12/12/06

Level: (low/med) LOW GPC Cleanup: (Y/N) N Time Analyzed: 1608

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	SBLK1211BW2L	SBLK1211BW2LCS	SWLC1211	12/12/06
02	OLFS4-MW06S-	0612069-01	1206901	12/12/06
03	OLFS4-MW03S-	0612069-03	1206903	12/12/06
04	OLFS4-MW03S-	0612069-03	1206903M	12/12/06
05	OLFS4-MW03S-	0612069-03	1206903S	12/12/06
06	OLFS4-MW08S-	0612081-01	1208101	12/12/06
07	OLFS4-MW08S-	0612081-02	1208102	12/12/06
08	OLFS4-MW5S-0	0612081-04	1208104	12/12/06
09	OLSF4-MW-16S	0612081-05	1208105	12/12/06
10	OLSF4-MW-19S	0612081-06	1208106	12/12/06
11	OLFS4-MW07S-	0612095-02	1209502	12/12/06
12	OLFS4-MW5S-0	0612081-04	1208104D	12/13/06
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COMMENTS:

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

SBLK1211BW2

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW001

Matrix: (soil/water) WATER Lab Sample ID: SBLK1211BW2

Sample wt/vol: 1000 (g/mL) ML Lab File ID: SWBL1211

% Moisture: _____ decanted: (Y/N)___ Date Sampled: _____

Extraction: (SepF/Cont/Sonc/Soxh) SEPF Date Extracted:12/11/06

Concentrated Extract Volume: 500.0(uL) Date Analyzed: 12/12/06 16:08

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
83-32-9	Acenaphthene	0.010	0.050		U
208-96-8	Acenaphthylene	0.0085	0.050		U
120-12-7	Anthracene	0.0095	0.050		U
56-55-3	Benzo(a)anthracene	0.010	0.050		U
205-99-2	Benzo(b)fluoranthene	0.016	0.050		U
207-08-9	Benzo(k)fluoranthene	0.013	0.050		U
191-24-2	Benzo(g,h,i)perylene	0.013	0.050		U
50-32-8	Benzo(a)pyrene	0.0095	0.050		U
218-01-9	Chrysene	0.0090	0.050		U
53-70-3	Dibenz(a,h)anthracene	0.012	0.050		U
206-44-0	Fluoranthene	0.012	0.050		U
86-73-7	Fluorene	0.012	0.050		U
193-39-5	Indeno(1,2,3-cd)pyrene	0.018	0.050		U
91-57-6	2-Methylnaphthalene	0.016	0.050		U
90-12-0	1-Methylnaphthalene	0.010	0.050		U
91-20-3	Naphthalene	0.019	0.050		U
85-01-8	Phenanthrene	0.014	0.050		U
129-00-0	Pyrene	0.010	0.050		U

FORM 1
PCB ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW06S-001

Lab Name: EMPIRICAL LABS Contract: TETRA TECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW001

Matrix: (soil/water) WATER Lab Sample ID: 0612069-01

Sample wt/vol: 960.0 (g/mL) ML Lab File ID: 006F0601

% Moisture: _____ decanted: (Y/N)___ Date Sampled: 12/06/06 13:00

Extraction: (SepF/Cont/Sonc/Soxh) SEPF Date Extracted:12/12/06

Concentrated Extract Volume: 10.0(mL) Date Analyzed: 12/15/06 10:45

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
12674-11-2	PCB-1016	0.13	0.52		U
11104-28-2	PCB-1221	0.13	0.52		U
11141-16-5	PCB-1232	0.13	0.52		U
53469-21-9	PCB-1242	0.13	0.52		U
12672-29-6	PCB-1248	0.13	0.52		U
11097-69-1	PCB-1254	0.13	0.52		U
11096-82-5	PCB-1260	0.13	0.52		U

FORM 1
PCB ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW03S-001

Lab Name: EMPIRICAL LABS Contract: TETRA TECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW001

Matrix: (soil/water) WATER Lab Sample ID: 0612069-03

Sample wt/vol: 970.0 (g/mL) ML Lab File ID: 007F0701

% Moisture: _____ decanted: (Y/N)___ Date Sampled: 12/06/06 17:00

Extraction: (SepF/Cont/Sonc/Soxh) SEPF Date Extracted:12/12/06

Concentrated Extract Volume: 10.0(mL) Date Analyzed: 12/15/06 11:13

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
12674-11-2	PCB-1016	0.13	0.52		U
11104-28-2	PCB-1221	0.13	0.52		U
11141-16-5	PCB-1232	0.13	0.52		U
53469-21-9	PCB-1242	0.13	0.52		U
12672-29-6	PCB-1248	0.13	0.52		U
11097-69-1	PCB-1254	0.13	0.52		U
11096-82-5	PCB-1260	0.13	0.52		U

FORM 1
PCB ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW085-001

Lab Name: EMPIRICAL LABS Contract: TETRA TECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW001

Matrix: (soil/water) WATER Lab Sample ID: 0612081-01

Sample wt/vol: 960.0 (g/mL) ML Lab File ID: 010F1001

% Moisture: _____ decanted: (Y/N)___ Date Sampled: 12/07/06 12:00

Extraction: (SepF/Cont/Sonc/Soxh) SEPF Date Extracted:12/12/06

Concentrated Extract Volume: 10.0(mL) Date Analyzed: 12/15/06 12:39

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
12674-11-2	PCB-1016	0.13	0.52		U
11104-28-2	PCB-1221	0.13	0.52		U
11141-16-5	PCB-1232	0.13	0.52		U
53469-21-9	PCB-1242	0.13	0.52		U
12672-29-6	PCB-1248	0.13	0.52		U
11097-69-1	PCB-1254	0.13	0.52		U
11096-82-5	PCB-1260	0.13	0.52		U

FORM 1
PCB ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW
085-001-D

Lab Name: EMPIRICAL LABS Contract: TETRA TECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW001

Matrix: (soil/water) WATER Lab Sample ID: 0612081-02

Sample wt/vol: 940.0 (g/mL) ML Lab File ID: 011F1101

% Moisture: _____ decanted: (Y/N)___ Date Sampled: 12/07/06 12:00

Extraction: (SepF/Cont/Sonc/Soxh) SEPF Date Extracted:12/12/06

Concentrated Extract Volume: 10.0(mL) Date Analyzed: 12/15/06 13:08

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
12674-11-2	PCB-1016	0.13	0.53		U
11104-28-2	PCB-1221	0.13	0.53		U
11141-16-5	PCB-1232	0.13	0.53		U
53469-21-9	PCB-1242	0.13	0.53		U
12672-29-6	PCB-1248	0.13	0.53		U
11097-69-1	PCB-1254	0.13	0.53		U
11096-82-5	PCB-1260	0.13	0.53		U

FORM 1
PCB ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW5S-001

Lab Name: EMPIRICAL LABS Contract: TETRA TECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW001

Matrix: (soil/water) WATER Lab Sample ID: 0612081-04

Sample wt/vol: 980.0 (g/mL) ML Lab File ID: 012F1201

% Moisture: _____ decanted: (Y/N)___ Date Sampled: 12/07/06 17:30

Extraction: (SepF/Cont/Sonc/Soxh) SEPF Date Extracted:12/12/06

Concentrated Extract Volume: 10.0(mL) Date Analyzed: 12/15/06 13:36

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
12674-11-2	PCB-1016	0.13	0.51		U
11104-28-2	PCB-1221	0.13	0.51		U
11141-16-5	PCB-1232	0.13	0.51		U
53469-21-9	PCB-1242	0.13	0.51		U
12672-29-6	PCB-1248	0.13	0.51		U
11097-69-1	PCB-1254	0.13	0.51		U
11096-82-5	PCB-1260	0.13	0.51		U

FORM 1
PCB ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLSF4-MW
-16S-001

Lab Name: EMPIRICAL LABS Contract: TETRA TECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW001

Matrix: (soil/water) WATER Lab Sample ID: 0612081-05

Sample wt/vol: 980.0 (g/mL) ML Lab File ID: 013F1301

% Moisture: _____ decanted: (Y/N)___ Date Sampled: 12/07/06 16:00

Extraction: (SepF/Cont/Sonc/Soxh) SEPF Date Extracted:12/12/06

Concentrated Extract Volume: 10.0(mL) Date Analyzed: 12/15/06 14:05

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
12674-11-2	PCB-1016	0.13	0.51		U
11104-28-2	PCB-1221	0.13	0.51		U
11141-16-5	PCB-1232	0.13	0.51		U
53469-21-9	PCB-1242	0.13	0.51		U
12672-29-6	PCB-1248	0.13	0.51		U
11097-69-1	PCB-1254	0.13	0.51		U
11096-82-5	PCB-1260	0.13	0.51		U

FORM 1
PCB ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLSF4-MW
-19S-001

Lab Name: EMPIRICAL LABS Contract: TETRA TECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW001

Matrix: (soil/water) WATER Lab Sample ID: 0612081-06

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 014F1401

% Moisture: _____ decanted: (Y/N)___ Date Sampled: 12/07/06 16:00

Extraction: (SepF/Cont/Sonc/Soxh) SEPF Date Extracted:12/12/06

Concentrated Extract Volume: 10.0(mL) Date Analyzed: 12/15/06 14:34

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
12674-11-2	PCB-1016	0.12	0.50		U
11104-28-2	PCB-1221	0.12	0.50		U
11141-16-5	PCB-1232	0.12	0.50		U
53469-21-9	PCB-1242	0.12	0.50		U
12672-29-6	PCB-1248	0.12	0.50		U
11097-69-1	PCB-1254	0.12	0.50		U
11096-82-5	PCB-1260	0.12	0.50		U

FORM 1
PCB ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW07S-001

Lab Name: EMPIRICAL LABS Contract: TETRA TECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW001

Matrix: (soil/water) WATER Lab Sample ID: 0612095-02

Sample wt/vol: 920.0 (g/mL) ML Lab File ID: 015F1501

% Moisture: _____ decanted: (Y/N)___ Date Sampled: 12/08/06 16:00

Extraction: (SepF/Cont/Sonc/Soxh) SEPF Date Extracted:12/12/06

Concentrated Extract Volume: 10.0(mL) Date Analyzed: 12/15/06 15:02

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
12674-11-2	PCB-1016	0.14	0.54		U
11104-28-2	PCB-1221	0.14	0.54		U
11141-16-5	PCB-1232	0.14	0.54		U
53469-21-9	PCB-1242	0.14	0.54		U
12672-29-6	PCB-1248	0.14	0.54		U
11097-69-1	PCB-1254	0.14	0.54		U
11096-82-5	PCB-1260	0.14	0.54		U

FORM 2
WATER PCB SURROGATE RECOVERY

Lab Name: EMPIRICAL LABS Contract: TETRA TECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW001

Column(1): RTX-CLP ID: 0.32 (mm) Column(2): RTX-CLPII ID: 0.32 (mm)

	CLIENT SAMPLE NO.	S1 1 %REC #	S1 2 %REC #	S2 1 %REC #	S2 2 %REC #	OTHER (1)	OTHER (2)	TOT OUT
01	PW1BLK1212	47	51	60	61			0
02	PW1BLK1212LC	51	55	45	47			0
03	OLFS4-MW06S-	68	75	58	60			0
04	OLFS4-MW03S-	68	74	57	59			0
05	OLFS4-MW03S-	70	76	59	61			0
06	OLFS4-MW03S-	63	69	70	71			0
07	OLFS4-MW085-	60	66	42	44			0
08	OLFS4-MW085-	52	56	39	40			0
09	OLFS4-MW5S-0	41	46	34	34			0
10	OLSF4-MW-16S	63	68	31	31			0
11	OLSF4-MW-19S	60	66	37	38			0
12	OLFS4-MW07S-	62	69	41	42			0
13								
14								
15								
16								
17								
18								
19								
20								
21								
22								
23								
24								
25								
26								
27								
28								
29								
30								

		EL QC LIMITS	SPIKE CONC (ug/L)
S1	= TCMX	(20-125)	0.50
S2	= DCB	(25-135)	0.50

Column to be used to flag recovery values
* Values outside of QC limits
D Surrogate results reported from a diluted analysis

FORM 3
WATER PCB LAB CONTROL SAMPLE

Lab Name: EMPIRICAL LABS Contract: TETRA TECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW001

Matrix Spike - Client Sample No.: PW1BLK1212

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC #	QC. LIMITS REC.
PCB-1016	5.000	0.0000	4.398	88	30-140
PCB-1260	5.000	0.0000	4.328	86	40-130

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 0 outside limits
Spike Recovery: 0 out of 2 outside limits

COMMENTS: _____

FORM 3
WATER PCB MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: EMPIRICAL LABS Contract: TETRA TECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW001

Matrix Spike - Client Sample No.: OLFS4-MW03S-001 Lab Sample ID: 0612069-03

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC #	QC. LIMITS REC.
PCB-1016	5.102	0.0000	4.768	93	30-140
PCB-1260	5.102	0.0000	4.400	86	40-130

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
PCB-1016	5.319	4.878	92	2	30	30-140
PCB-1260	5.319	4.684	88	6	30	40-130

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 2 outside limits
Spike Recovery: 0 out of 4 outside limits

COMMENTS: _____

FORM 4
PCB METHOD BLANK SUMMARY

CLIENT SAMPLE NO.

PW1BLK1212

Lab Name: EMPIRICAL LABS Contract: TETRA TECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW001

Lab Sample ID: PW1BLK1212 Lab File ID: 004F0401

Matrix (soil/water) WATER Extraction: (SepF/Cont/Sonc/Soxh) SEPF

Sulfur Cleanup (Y/N) N Date Extracted: 12/12/06

Date Analyzed (1): 12/15/06 Date Analyzed (2): 12/15/06

Time Analyzed (1): 0947 Time Analyzed (2): 0947

Instrument ID (1): ECD4 Instrument ID (2): ECD4

Column (1): RTX-CLP ID: 0.32(mm) Column (2): RTX-CLPII ID: 0.32(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
01	PW1BLK1212LC	PW1BLK1212LCS	12/15/06	12/15/06
02	OLFS4-MW06S-	0612069-01	12/15/06	12/15/06
03	OLFS4-MW03S-	0612069-03	12/15/06	12/15/06
04	OLFS4-MW03S-	0612069-03MS	12/15/06	12/15/06
05	OLFS4-MW03S-	0612069-03MSD	12/15/06	12/15/06
06	OLFS4-MW085-	0612081-01	12/15/06	12/15/06
07	OLFS4-MW085-	0612081-02	12/15/06	12/15/06
08	OLFS4-MW5S-0	0612081-04	12/15/06	12/15/06
09	OLSF4-MW-16S	0612081-05	12/15/06	12/15/06
10	OLSF4-MW-19S	0612081-06	12/15/06	12/15/06
11	OLFS4-MW07S-	0612095-02	12/15/06	12/15/06
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				
26				

COMMENTS: _____

FORM 1
PCB ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

PW1BLK1212

Lab Name: EMPIRICAL LABS Contract: TETRA TECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW001

Matrix: (soil/water) WATER Lab Sample ID: PW1BLK1212

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 004F0401

% Moisture: _____ decanted: (Y/N)___ Date Sampled: _____

Extraction: (SepF/Cont/Sonc/Soxh) SEPF Date Extracted:12/12/06

Concentrated Extract Volume: 10.0(mL) Date Analyzed: 12/15/06 09:47

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
12674-11-2	PCB-1016	0.12	0.50		U
11104-28-2	PCB-1221	0.12	0.50		U
11141-16-5	PCB-1232	0.12	0.50		U
53469-21-9	PCB-1242	0.12	0.50		U
12672-29-6	PCB-1248	0.12	0.50		U
11097-69-1	PCB-1254	0.12	0.50		U
11096-82-5	PCB-1260	0.12	0.50		U

FORM 1
PRO ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW06S-001

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: Case No.: SAUFLEY SAS No.: NA SDG No.: SAUFLEYW001

Matrix: (soil/water) WATER Lab Sample ID: 0612069-01

Sample wt/vol: 940.0 (g/mL) ML Lab File ID: 005R0201

% Moisture: _____ decanted: (Y/N)___ Date Sampled: 12/06/06 13:00

Extraction: (SepF/Cont/Sonc/Soxh) SEPF Date Extracted:12/12/06

Concentrated Extract Volume: 2.0(mL) Date Analyzed: 12/14/06 15:35

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS: (ug/L or ug/Kg) MG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
	PRO-8-40------Petroleum Range	0.18	0.53		U

FORM 1
PRO ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW03S-001

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: Case No.: SAUFLEY SAS No.: NA SDG No.: SAUFLEYW001

Matrix: (soil/water) WATER Lab Sample ID: 0612069-03

Sample wt/vol: 940.0 (g/mL) ML Lab File ID: 006R0201

% Moisture: _____ decanted: (Y/N)___ Date Sampled: 12/06/06 17:00

Extraction: (SepF/Cont/Sonc/Soxh) SEPF Date Extracted:12/12/06

Concentrated Extract Volume: 2.0(mL) Date Analyzed: 12/14/06 16:18

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS: (ug/L or ug/Kg) MG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
	PRO-8-40------Petroleum Range _____	0.18	0.53		U

FORM 1
PRO ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW085-001

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: Case No.: SAUFLEY SAS No.: NA SDG No.: SAUFLEYW001

Matrix: (soil/water) WATER Lab Sample ID: 0612081-01

Sample wt/vol: 960.0 (g/mL) ML Lab File ID: 009R0201

% Moisture: _____ decanted: (Y/N)___ Date Sampled: 12/07/06 12:00

Extraction: (SepF/Cont/Sonc/Soxh) SEPF Date Extracted:12/12/06

Concentrated Extract Volume: 2.0(mL) Date Analyzed: 12/14/06 18:26

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS: (ug/L or ug/Kg) MG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
	PRO-8-40------Petroleum Range _____	0.18	0.52		U

FORM 1
PRO ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW
085-001-D

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: Case No.: SAUFLEY SAS No.: NA SDG No.: SAUFLEYW001

Matrix: (soil/water) WATER Lab Sample ID: 0612081-02

Sample wt/vol: 960.0 (g/mL) ML Lab File ID: 010R0201

% Moisture: _____ decanted: (Y/N)___ Date Sampled: 12/07/06 12:00

Extraction: (SepF/Cont/Sonc/Soxh) SEPF Date Extracted:12/12/06

Concentrated Extract Volume: 2.0(mL) Date Analyzed: 12/14/06 19:09

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS: (ug/L or ug/Kg) MG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
	PRO-8-40------Petroleum Range	0.18	0.52		U

FORM 1
PRO ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW5S-001

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: Case No.: SAUFLEY SAS No.: NA SDG No.: SAUFLEYW001

Matrix: (soil/water) WATER Lab Sample ID: 0612081-04

Sample wt/vol: 970.0 (g/mL) ML Lab File ID: 011R0201

% Moisture: _____ decanted: (Y/N)___ Date Sampled: 12/07/06 17:30

Extraction: (SepF/Cont/Sonc/Soxh) SEPF Date Extracted:12/12/06

Concentrated Extract Volume: 2.0(mL) Date Analyzed: 12/14/06 19:51

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS: (ug/L or ug/Kg) MG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
	PRO-8-40------Petroleum Range	0.18	0.52	0.75	

FORM 1
PRO ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLSF4-MW
-16S-001

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: Case No.: SAUFLEY SAS No.: NA SDG No.: SAUFLEYW001

Matrix: (soil/water) WATER Lab Sample ID: 0612081-05

Sample wt/vol: 970.0 (g/mL) ML Lab File ID: 012R0201

% Moisture: _____ decanted: (Y/N)___ Date Sampled: 12/07/06 16:00

Extraction: (SepF/Cont/Sonc/Soxh) SEPF Date Extracted:12/12/06

Concentrated Extract Volume: 2.0(mL) Date Analyzed: 12/14/06 20:34

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS: (ug/L or ug/Kg) MG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
	PRO-8-40------Petroleum Range _____	0.18	0.52		U

FORM 1
PRO ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLSF4-MW
-19S-001

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: Case No.: SAUFLEY SAS No.: NA SDG No.: SAUFLEYW001

Matrix: (soil/water) WATER Lab Sample ID: 0612081-06

Sample wt/vol: 940.0 (g/mL) ML Lab File ID: 013R0201

% Moisture: _____ decanted: (Y/N)___ Date Sampled: 12/07/06 16:00

Extraction: (SepF/Cont/Sonc/Soxh) SEPF Date Extracted:12/12/06

Concentrated Extract Volume: 2.0(mL) Date Analyzed: 12/14/06 21:17

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS: (ug/L or ug/Kg) MG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
	PRO-8-40------Petroleum Range	0.18	0.53		U

FORM 1
PRO ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW07S-001

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: Case No.: SAUFLEY SAS No.: NA SDG No.: SAUFLEYW001

Matrix: (soil/water) WATER Lab Sample ID: 0612095-02

Sample wt/vol: 920.0 (g/mL) ML Lab File ID: 014R0201

% Moisture: _____ decanted: (Y/N)___ Date Sampled: 12/08/06 16:00

Extraction: (SepF/Cont/Sonc/Soxh) SEPF Date Extracted:12/12/06

Concentrated Extract Volume: 2.0(mL) Date Analyzed: 12/14/06 22:00

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS: (ug/L or ug/Kg) MG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
	PRO-8-40------Petroleum Range _____	0.18	0.54		U

FORM 2
WATER PRO SURROGATE RECOVERY

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: Case No.: SAUFLEY SAS No.: NA SDG No.: SAUFLEYW001

Column(1): ZB-5 ID: 0.32 (mm)

	CLIENT SAMPLE NO.	S1 %REC #	S2 %REC #	S3 %REC #	S4 %REC #	S5 %REC #	S6 %REC #	TOT OUT
01	FW1BLK1212	82	60					0
02	FW1BLK1212LC	96	66					0
03	OLFS4-MW06S-	85	62					0
04	OLFS4-MW03S-	89	86					0
05	OLFS4-MW03S-	105	82					0
06	OLFS4-MW03S-	104	83					0
07	OLFS4-MW085-	97	78					0
08	OLFS4-MW085-	92	87					0
09	OLFS4-MW5S-0	101	71					0
10	OLSF4-MW-16S	92	66					0
11	OLSF4-MW-19S	100	80					0
12	OLFS4-MW07S-	92	64					0
13								
14								
15								
16								
17								
18								
19								
20								
21								
22								
23								
24								
25								
26								
27								
28								
29								
30								

		EL QC LIMITS	SPIKE CONC (mg/L)
S1	= Ortho-Terphenyl	(30-140)	0.050
S2	= Nonatriacontane	(20-150)	0.30

Column to be used to flag recovery values
* Values outside of QC limits
D Surrogate results reported from a diluted analysis

FORM 3
WATER PRO LAB CONTROL SAMPLE

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: Case No.: SAUFLEY SAS No.: NA SDG No.: SAUFLEYW001

Matrix Spike - Client Sample No.: FW1BLK1212

COMPOUND	SPIKE ADDED (mg/L)	SAMPLE CONCENTRATION (mg/L)	LCS CONCENTRATION (mg/L)	LCS % REC #	QC. LIMITS REC.
Petroleum Range	3.200	0.0000	2.954	92	55-118

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 0 outside limits
Spike Recovery: 0 out of 1 outside limits

COMMENTS: _____

FORM 3
WATER PRO MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: Case No.: SAUFLEY SAS No.: NA SDG No.: SAUFLEYW001

Matrix Spike - Client Sample No.: OLFS4-MW03S-001 Lab Sample ID: 0612069-03

COMPOUND	SPIKE ADDED (mg/L)	SAMPLE CONCENTRATION (mg/L)	MS CONCENTRATION (mg/L)	MS % REC #	QC. LIMITS REC.
Petroleum Range	3.333	0.0000	3.398	102	55-118

COMPOUND	SPIKE ADDED (mg/L)	MSD CONCENTRATION (mg/L)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Petroleum Range	3.265	3.292	101	3	30	55-118

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 1 outside limits
Spike Recovery: 0 out of 2 outside limits

COMMENTS: _____

FORM 4
PRO METHOD BLANK SUMMARY

CLIENT SAMPLE NO.

FW1BLK1212

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: Case No.: SAUFLEY SAS No.: NA SDG No.: SAUFLEYW001

Lab Sample ID: FW1BLK1212 Lab File ID: 003R0201

Matrix (soil/water) WATER Extraction: (SepF/Cont/Sonc/Soxh) SEPF

Sulfur Cleanup (Y/N) N Date Extracted: 12/12/06

Date Analyzed (1): 12/14/06 Date Analyzed (2):

Time Analyzed (1): 1312 Time Analyzed (2):

Instrument ID (1): GCTCDFID Instrument ID (2):

Column (1): ZB-5 ID: 0.32(mm) Column (2): ID:

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
01	FW1BLK1212LC	FW1BLK1212LCS	12/14/06	
02	OLFS4-MW06S-	0612069-01	12/14/06	
03	OLFS4-MW03S-	0612069-03	12/14/06	
04	OLFS4-MW03S-	0612069-03MS	12/14/06	
05	OLFS4-MW03S-	0612069-03MSD	12/14/06	
06	OLFS4-MW085-	0612081-01	12/14/06	
07	OLFS4-MW085-	0612081-02	12/14/06	
08	OLFS4-MW5S-0	0612081-04	12/14/06	
09	OLSF4-MW-16S	0612081-05	12/14/06	
10	OLSF4-MW-19S	0612081-06	12/14/06	
11	OLFS4-MW07S-	0612095-02	12/14/06	
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				
26				

COMMENTS: _____

FORM 1
PRO ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

FW1BLK1212

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: Case No.: SAUFLEY SAS No.: NA SDG No.: SAUFLEYW001

Matrix: (soil/water) WATER Lab Sample ID: FW1BLK1212

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 003R0201

% Moisture: _____ decanted: (Y/N)___ Date Sampled: _____

Extraction: (SepF/Cont/Sonc/Soxh) SEPF Date Extracted:12/12/06

Concentrated Extract Volume: 2.0(mL) Date Analyzed: 12/14/06 13:12

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS: (ug/L or ug/Kg) MG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
	PRO-8-40------Petroleum Range	0.17	0.50		U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW06S-001

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW001

Matrix: (soil/water) WATER Lab Sample ID: 0612069-01

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 1206901

Level: (low/med) LOW Date Sampled: 12/06/06 13:00

% Moisture: not dec. _____ Date Analyzed: 12/16/06 03:37

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
67-64-1	Acetone	1.1	10	5.4	I
75-05-8	Acetonitrile	0.20	5.0		U
107-02-8	Acrolein	4.1	5.0		U
107-13-1	Acrylonitrile	0.95	5.0		U
107-05-1	Allyl chloride	0.20	1.0		U
71-43-2	Benzene	0.11	1.0	0.26	I
75-27-4	Bromodichloromethane	0.24	1.0		U
75-25-2	Bromoform	0.24	1.0		U
74-83-9	Bromomethane	0.33	2.0		U
78-93-3	2-Butanone	1.2	10		U
75-15-0	Carbon disulfide	0.13	1.0		U
56-23-5	Carbon tetrachloride	0.14	1.0		U
108-90-7	Chlorobenzene	0.28	1.0		U
75-00-3	Chloroethane	0.38	2.0		U
67-66-3	Chloroform	0.15	1.0	0.36	IV
74-87-3	Chloromethane	0.18	2.0		U
126-99-8	Chloroprene	0.20	1.0		U
110-82-7	Cyclohexane	0.18	2.0		U
124-48-1	Dibromochloromethane	0.20	1.0		U
96-12-8	1,2-Dibromo-3-chloropropane	0.28	2.0		U
74-95-3	Dibromomethane	0.14	1.0		U
95-50-1	1,2-Dichlorobenzene	0.17	1.0		U
541-73-1	1,3-Dichlorobenzene	0.21	1.0		U
106-46-7	1,4-Dichlorobenzene	0.12	1.0		U
110-57-6	trans-1,4-Dichloro-2-butene	0.60	5.0		U
75-71-8	Dichlorodifluoromethane	0.24	2.0		U
75-34-3	1,1-Dichloroethane	0.15	1.0		U
107-06-2	1,2-Dichloroethane	0.15	1.0		U
75-35-4	1,1-Dichloroethene	0.42	1.0		U
156-59-2	cis-1,2-Dichloroethene	0.44	1.0		U
156-60-5	trans-1,2-Dichloroethene	0.40	1.0		U
78-87-5	1,2-Dichloropropane	0.18	1.0		U
10061-01-5	cis-1,3-Dichloropropene	0.13	1.0		U
10061-02-6	trans-1,3-Dichloropropene	0.22	1.0		U
123-91-1	1,4-Dioxane	0.20	20		U
100-41-4	Ethylbenzene	0.14	1.0		U
97-63-2	Ethyl methacrylate	0.21	1.0		U
591-78-6	2-Hexanone	0.83	5.0		U
74-88-4	Iodomethane	0.19	5.0		U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW06S-001

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW001

Matrix: (soil/water) WATER Lab Sample ID: 0612069-01

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 1206901

Level: (low/med) LOW Date Sampled: 12/06/06 13:00

% Moisture: not dec. _____ Date Analyzed: 12/16/06 03:37

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
78-83-1	Isobutyl alcohol	0.20	10		U
98-82-8	Isopropylbenzene	0.25	1.0		U
79-20-9	Methyl acetate	0.87	1.0		U
126-98-7	Methacrylonitrile	0.20	5.0		U
108-87-2	Methyl cyclohexane	0.20	1.0		U
75-09-2	Methylene chloride	0.26	2.0		U
80-62-6	Methyl methacrylate	0.35	1.0		U
108-10-1	4-Methyl-2-pentanone	1.4	5.0		U
1634-04-4	MTBE	0.17	1.0		U
107-12-0	Propionitrile	0.20	5.0		U
100-42-5	Styrene	0.22	1.0		U
630-20-6	1,1,1,2-Tetrachloroethane	0.19	1.0		U
79-34-5	1,1,2,2-Tetrachloroethane	0.22	1.0		U
127-18-4	Tetrachloroethene	0.14	1.0		U
108-88-3	Toluene	0.18	1.0	0.32	I
87-61-6	1,2,3-Trichlorobenzene	0.16	1.0		U
120-82-1	1,2,4-Trichlorobenzene	0.14	1.0		U
71-55-6	1,1,1-Trichloroethane	0.15	1.0		U
79-00-5	1,1,2-Trichloroethane	0.17	1.0		U
79-01-6	Trichloroethene	0.28	1.0		U
76-13-1	Trichlorotrifluoroethane	0.22	1.0		U
75-69-4	Trichlorofluoromethane	0.15	2.0		U
96-18-4	1,2,3-Trichloropropane	0.31	1.0		U
108-05-4	Vinyl acetate	1.3	5.0		U
75-01-4	Vinyl chloride	0.19	1.0		U
108-38-3	m,p-Xylene	0.26	1.0		U
95-47-6	o-Xylene	0.21	1.0		U
1330-20-7	Xylene(total)	0.21	1.0		U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

TRIP BLANK 4306

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW001

Matrix: (soil/water) WATER Lab Sample ID: 0612069-02

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 1206902

Level: (low/med) LOW Date Sampled: 12/06/06 :

% Moisture: not dec. _____ Date Analyzed: 12/15/06 22:51

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
67-64-1	Acetone	1.1	10	5.5	I
75-05-8	Acetonitrile	0.20	5.0		U
107-02-8	Acrolein	4.1	5.0		U
107-13-1	Acrylonitrile	0.95	5.0		U
107-05-1	Allyl chloride	0.20	1.0		U
71-43-2	Benzene	0.11	1.0		U
75-27-4	Bromodichloromethane	0.24	1.0		U
75-25-2	Bromoform	0.24	1.0		U
74-83-9	Bromomethane	0.33	2.0		U
78-93-3	2-Butanone	1.2	10		U
75-15-0	Carbon disulfide	0.13	1.0		U
56-23-5	Carbon tetrachloride	0.14	1.0		U
108-90-7	Chlorobenzene	0.28	1.0		U
75-00-3	Chloroethane	0.38	2.0		U
67-66-3	Chloroform	0.15	1.0		U
74-87-3	Chloromethane	0.18	2.0		U
126-99-8	Chloroprene	0.20	1.0		U
110-82-7	Cyclohexane	0.18	2.0		U
124-48-1	Dibromochloromethane	0.20	1.0		U
96-12-8	1,2-Dibromo-3-chloropropane	0.28	2.0		U
74-95-3	Dibromomethane	0.14	1.0		U
95-50-1	1,2-Dichlorobenzene	0.17	1.0		U
541-73-1	1,3-Dichlorobenzene	0.21	1.0		U
106-46-7	1,4-Dichlorobenzene	0.12	1.0		U
110-57-6	trans-1,4-Dichloro-2-butene	0.60	5.0		U
75-71-8	Dichlorodifluoromethane	0.24	2.0		U
75-34-3	1,1-Dichloroethane	0.15	1.0		U
107-06-2	1,2-Dichloroethane	0.15	1.0		U
75-35-4	1,1-Dichloroethene	0.42	1.0		U
156-59-2	cis-1,2-Dichloroethene	0.44	1.0		U
156-60-5	trans-1,2-Dichloroethene	0.40	1.0		U
78-87-5	1,2-Dichloropropane	0.18	1.0		U
10061-01-5	cis-1,3-Dichloropropene	0.13	1.0		U
10061-02-6	trans-1,3-Dichloropropene	0.22	1.0		U
123-91-1	1,4-Dioxane	0.20	20		U
100-41-4	Ethylbenzene	0.14	1.0		U
97-63-2	Ethyl methacrylate	0.21	1.0		U
591-78-6	2-Hexanone	0.83	5.0		U
74-88-4	Iodomethane	0.19	5.0		U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

TRIP BLANK 4306

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW001

Matrix: (soil/water) WATER Lab Sample ID: 0612069-02

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 1206902

Level: (low/med) LOW Date Sampled: 12/06/06 :

% Moisture: not dec. _____ Date Analyzed: 12/15/06 22:51

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
78-83-1	Isobutyl alcohol	0.20	10		U
98-82-8	Isopropylbenzene	0.25	1.0		U
79-20-9	Methyl acetate	0.87	1.0		U
126-98-7	Methacrylonitrile	0.20	5.0		U
108-87-2	Methyl cyclohexane	0.20	1.0		U
75-09-2	Methylene chloride	0.26	2.0		U
80-62-6	Methyl methacrylate	0.35	1.0		U
108-10-1	4-Methyl-2-pentanone	1.4	5.0		U
1634-04-4	MTBE	0.17	1.0		U
107-12-0	Propionitrile	0.20	5.0		U
100-42-5	Styrene	0.22	1.0		U
630-20-6	1,1,1,2-Tetrachloroethane	0.19	1.0		U
79-34-5	1,1,2,2-Tetrachloroethane	0.22	1.0		U
127-18-4	Tetrachloroethene	0.14	1.0		U
108-88-3	Toluene	0.18	1.0		U
87-61-6	1,2,3-Trichlorobenzene	0.16	1.0		U
120-82-1	1,2,4-Trichlorobenzene	0.14	1.0		U
71-55-6	1,1,1-Trichloroethane	0.15	1.0		U
79-00-5	1,1,2-Trichloroethane	0.17	1.0		U
79-01-6	Trichloroethene	0.28	1.0		U
76-13-1	Trichlorotrifluoroethane	0.22	1.0		U
75-69-4	Trichlorofluoromethane	0.15	2.0		U
96-18-4	1,2,3-Trichloropropane	0.31	1.0		U
108-05-4	Vinyl acetate	1.3	5.0		U
75-01-4	Vinyl chloride	0.19	1.0		U
108-38-3	m,p-Xylene	0.26	1.0		U
95-47-6	o-Xylene	0.21	1.0		U
1330-20-7	Xylene(total)	0.21	1.0		U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW03S-001

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW001

Matrix: (soil/water) WATER Lab Sample ID: 0612069-03

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 1206903

Level: (low/med) LOW Date Sampled: 12/06/06 17:00

% Moisture: not dec. _____ Date Analyzed: 12/16/06 04:09

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
67-64-1	Acetone	1.1	10	3.2	I
75-05-8	Acetonitrile	0.20	5.0		U
107-02-8	Acrolein	4.1	5.0		U
107-13-1	Acrylonitrile	0.95	5.0		U
107-05-1	Allyl chloride	0.20	1.0		U
71-43-2	Benzene	0.11	1.0	0.11	I
75-27-4	Bromodichloromethane	0.24	1.0		U
75-25-2	Bromoform	0.24	1.0		U
74-83-9	Bromomethane	0.33	2.0		U
78-93-3	2-Butanone	1.2	10		U
75-15-0	Carbon disulfide	0.13	1.0		U
56-23-5	Carbon tetrachloride	0.14	1.0		U
108-90-7	Chlorobenzene	0.28	1.0		U
75-00-3	Chloroethane	0.38	2.0		U
67-66-3	Chloroform	0.15	1.0	0.40	IV
74-87-3	Chloromethane	0.18	2.0		U
126-99-8	Chloroprene	0.20	1.0		U
110-82-7	Cyclohexane	0.18	2.0		U
124-48-1	Dibromochloromethane	0.20	1.0		U
96-12-8	1,2-Dibromo-3-chloropropane	0.28	2.0		U
74-95-3	Dibromomethane	0.14	1.0		U
95-50-1	1,2-Dichlorobenzene	0.17	1.0		U
541-73-1	1,3-Dichlorobenzene	0.21	1.0		U
106-46-7	1,4-Dichlorobenzene	0.12	1.0		U
110-57-6	trans-1,4-Dichloro-2-butene	0.60	5.0		U
75-71-8	Dichlorodifluoromethane	0.24	2.0		U
75-34-3	1,1-Dichloroethane	0.15	1.0		U
107-06-2	1,2-Dichloroethane	0.15	1.0		U
75-35-4	1,1-Dichloroethene	0.42	1.0		U
156-59-2	cis-1,2-Dichloroethene	0.44	1.0		U
156-60-5	trans-1,2-Dichloroethene	0.40	1.0		U
78-87-5	1,2-Dichloropropane	0.18	1.0		U
10061-01-5	cis-1,3-Dichloropropene	0.13	1.0		U
10061-02-6	trans-1,3-Dichloropropene	0.22	1.0		U
123-91-1	1,4-Dioxane	0.20	20		U
100-41-4	Ethylbenzene	0.14	1.0		U
97-63-2	Ethyl methacrylate	0.21	1.0		U
591-78-6	2-Hexanone	0.83	5.0		U
74-88-4	Iodomethane	0.19	5.0		U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW03S-001

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW001

Matrix: (soil/water) WATER Lab Sample ID: 0612069-03

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 1206903

Level: (low/med) LOW Date Sampled: 12/06/06 17:00

% Moisture: not dec. _____ Date Analyzed: 12/16/06 04:09

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
78-83-1	Isobutyl alcohol	0.20	10		U
98-82-8	Isopropylbenzene	0.25	1.0		U
79-20-9	Methyl acetate	0.87	1.0		U
126-98-7	Methacrylonitrile	0.20	5.0		U
108-87-2	Methyl cyclohexane	0.20	1.0		U
75-09-2	Methylene chloride	0.26	2.0		U
80-62-6	Methyl methacrylate	0.35	1.0		U
108-10-1	4-Methyl-2-pentanone	1.4	5.0		U
1634-04-4	MTBE	0.17	1.0		U
107-12-0	Propionitrile	0.20	5.0		U
100-42-5	Styrene	0.22	1.0		U
630-20-6	1,1,1,2-Tetrachloroethane	0.19	1.0		U
79-34-5	1,1,2,2-Tetrachloroethane	0.22	1.0		U
127-18-4	Tetrachloroethene	0.14	1.0		U
108-88-3	Toluene	0.18	1.0	0.23	I
87-61-6	1,2,3-Trichlorobenzene	0.16	1.0		U
120-82-1	1,2,4-Trichlorobenzene	0.14	1.0		U
71-55-6	1,1,1-Trichloroethane	0.15	1.0		U
79-00-5	1,1,2-Trichloroethane	0.17	1.0		U
79-01-6	Trichloroethene	0.28	1.0		U
76-13-1	Trichlorotrifluoroethane	0.22	1.0		U
75-69-4	Trichlorofluoromethane	0.15	2.0		U
96-18-4	1,2,3-Trichloropropane	0.31	1.0		U
108-05-4	Vinyl acetate	1.3	5.0		U
75-01-4	Vinyl chloride	0.19	1.0		U
108-38-3	m,p-Xylene	0.26	1.0		U
95-47-6	o-Xylene	0.21	1.0		U
1330-20-7	Xylene(total)	0.21	1.0		U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW085-001

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW001

Matrix: (soil/water) WATER Lab Sample ID: 0612081-01

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 1208101

Level: (low/med) LOW Date Sampled: 12/07/06 12:00

% Moisture: not dec. _____ Date Analyzed: 12/16/06 00:59

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
67-64-1	Acetone	1.1	10	6.5	I
75-05-8	Acetonitrile	0.20	5.0		U
107-02-8	Acrolein	4.1	5.0		U
107-13-1	Acrylonitrile	0.95	5.0		U
107-05-1	Allyl chloride	0.20	1.0		U
71-43-2	Benzene	0.11	1.0	0.93	I
75-27-4	Bromodichloromethane	0.24	1.0	0.54	I
75-25-2	Bromoform	0.24	1.0		U
74-83-9	Bromomethane	0.33	2.0		U
78-93-3	2-Butanone	1.2	10		U
75-15-0	Carbon disulfide	0.13	1.0		U
56-23-5	Carbon tetrachloride	0.14	1.0		U
108-90-7	Chlorobenzene	0.28	1.0		U
75-00-3	Chloroethane	0.38	2.0		U
67-66-3	Chloroform	0.15	1.0	1.2	V
74-87-3	Chloromethane	0.18	2.0	0.34	IV
126-99-8	Chloroprene	0.20	1.0		U
110-82-7	Cyclohexane	0.18	2.0		U
124-48-1	Dibromochloromethane	0.20	1.0	0.38	I
96-12-8	1,2-Dibromo-3-chloropropane	0.28	2.0		U
74-95-3	Dibromomethane	0.14	1.0		U
95-50-1	1,2-Dichlorobenzene	0.17	1.0		U
541-73-1	1,3-Dichlorobenzene	0.21	1.0		U
106-46-7	1,4-Dichlorobenzene	0.12	1.0		U
110-57-6	trans-1,4-Dichloro-2-butene	0.60	5.0		U
75-71-8	Dichlorodifluoromethane	0.24	2.0		U
75-34-3	1,1-Dichloroethane	0.15	1.0		U
107-06-2	1,2-Dichloroethane	0.15	1.0		U
75-35-4	1,1-Dichloroethene	0.42	1.0		U
156-59-2	cis-1,2-Dichloroethene	0.44	1.0		U
156-60-5	trans-1,2-Dichloroethene	0.40	1.0		U
78-87-5	1,2-Dichloropropane	0.18	1.0		U
10061-01-5	cis-1,3-Dichloropropene	0.13	1.0		U
10061-02-6	trans-1,3-Dichloropropene	0.22	1.0		U
123-91-1	1,4-Dioxane	0.20	20		U
100-41-4	Ethylbenzene	0.14	1.0	0.16	I
97-63-2	Ethyl methacrylate	0.21	1.0		U
591-78-6	2-Hexanone	0.83	5.0		U
74-88-4	Iodomethane	0.19	5.0		U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW085-001

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW001

Matrix: (soil/water) WATER Lab Sample ID: 0612081-01

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 1208101

Level: (low/med) LOW Date Sampled: 12/07/06 12:00

% Moisture: not dec. _____ Date Analyzed: 12/16/06 00:59

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
78-83-1	Isobutyl alcohol	0.20	10		U
98-82-8	Isopropylbenzene	0.25	1.0		U
79-20-9	Methyl acetate	0.87	1.0		U
126-98-7	Methacrylonitrile	0.20	5.0		U
108-87-2	Methyl cyclohexane	0.20	1.0		U
75-09-2	Methylene chloride	0.26	2.0		U
80-62-6	Methyl methacrylate	0.35	1.0		U
108-10-1	4-Methyl-2-pentanone	1.4	5.0		U
1634-04-4	MTBE	0.17	1.0		U
107-12-0	Propionitrile	0.20	5.0		U
100-42-5	Styrene	0.22	1.0		U
630-20-6	1,1,1,2-Tetrachloroethane	0.19	1.0		U
79-34-5	1,1,2,2-Tetrachloroethane	0.22	1.0		U
127-18-4	Tetrachloroethene	0.14	1.0		U
108-88-3	Toluene	0.18	1.0	0.87	I
87-61-6	1,2,3-Trichlorobenzene	0.16	1.0		U
120-82-1	1,2,4-Trichlorobenzene	0.14	1.0		U
71-55-6	1,1,1-Trichloroethane	0.15	1.0		U
79-00-5	1,1,2-Trichloroethane	0.17	1.0		U
79-01-6	Trichloroethene	0.28	1.0		U
76-13-1	Trichlorotrifluoroethane	0.22	1.0		U
75-69-4	Trichlorofluoromethane	0.15	2.0		U
96-18-4	1,2,3-Trichloropropane	0.31	1.0		U
108-05-4	Vinyl acetate	1.3	5.0		U
75-01-4	Vinyl chloride	0.19	1.0		U
108-38-3	m,p-Xylene	0.26	1.0	0.50	I
95-47-6	o-Xylene	0.21	1.0	0.26	I
1330-20-7	Xylene(total)	0.21	1.0	0.73	I

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW
085-001-D

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW001

Matrix: (soil/water) WATER Lab Sample ID: 0612081-02

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 1208102

Level: (low/med) LOW Date Sampled: 12/07/06 12:00

% Moisture: not dec. _____ Date Analyzed: 12/16/06 01:30

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
67-64-1	Acetone	1.1	10	6.2	I
75-05-8	Acetonitrile	0.20	5.0		U
107-02-8	Acrolein	4.1	5.0		U
107-13-1	Acrylonitrile	0.95	5.0		U
107-05-1	Allyl chloride	0.20	1.0		U
71-43-2	Benzene	0.11	1.0	0.66	I
75-27-4	Bromodichloromethane	0.24	1.0	0.24	I
75-25-2	Bromoform	0.24	1.0		U
74-83-9	Bromomethane	0.33	2.0		U
78-93-3	2-Butanone	1.2	10		U
75-15-0	Carbon disulfide	0.13	1.0		U
56-23-5	Carbon tetrachloride	0.14	1.0		U
108-90-7	Chlorobenzene	0.28	1.0		U
75-00-3	Chloroethane	0.38	2.0		U
67-66-3	Chloroform	0.15	1.0	1.3	V
74-87-3	Chloromethane	0.18	2.0	0.27	IV
126-99-8	Chloroprene	0.20	1.0		U
110-82-7	Cyclohexane	0.18	2.0		U
124-48-1	Dibromochloromethane	0.20	1.0		U
96-12-8	1,2-Dibromo-3-chloropropane	0.28	2.0		U
74-95-3	Dibromomethane	0.14	1.0		U
95-50-1	1,2-Dichlorobenzene	0.17	1.0		U
541-73-1	1,3-Dichlorobenzene	0.21	1.0		U
106-46-7	1,4-Dichlorobenzene	0.12	1.0		U
110-57-6	trans-1,4-Dichloro-2-butene	0.60	5.0		U
75-71-8	Dichlorodifluoromethane	0.24	2.0		U
75-34-3	1,1-Dichloroethane	0.15	1.0		U
107-06-2	1,2-Dichloroethane	0.15	1.0		U
75-35-4	1,1-Dichloroethene	0.42	1.0		U
156-59-2	cis-1,2-Dichloroethene	0.44	1.0		U
156-60-5	trans-1,2-Dichloroethene	0.40	1.0		U
78-87-5	1,2-Dichloropropane	0.18	1.0		U
10061-01-5	cis-1,3-Dichloropropene	0.13	1.0		U
10061-02-6	trans-1,3-Dichloropropene	0.22	1.0		U
123-91-1	1,4-Dioxane	0.20	20		U
100-41-4	Ethylbenzene	0.14	1.0		U
97-63-2	Ethyl methacrylate	0.21	1.0		U
591-78-6	2-Hexanone	0.83	5.0		U
74-88-4	Iodomethane	0.19	5.0		U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.
OLFS4-MW
085-001-D

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW001

Matrix: (soil/water) WATER Lab Sample ID: 0612081-02

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 1208102

Level: (low/med) LOW Date Sampled: 12/07/06 12:00

% Moisture: not dec. _____ Date Analyzed: 12/16/06 01:30

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
78-83-1	Isobutyl alcohol	0.20	10		U
98-82-8	Isopropylbenzene	0.25	1.0		U
79-20-9	Methyl acetate	0.87	1.0		U
126-98-7	Methacrylonitrile	0.20	5.0		U
108-87-2	Methyl cyclohexane	0.20	1.0		U
75-09-2	Methylene chloride	0.26	2.0		U
80-62-6	Methyl methacrylate	0.35	1.0		U
108-10-1	4-Methyl-2-pentanone	1.4	5.0		U
1634-04-4	MTBE	0.17	1.0		U
107-12-0	Propionitrile	0.20	5.0		U
100-42-5	Styrene	0.22	1.0		U
630-20-6	1,1,1,2-Tetrachloroethane	0.19	1.0		U
79-34-5	1,1,2,2-Tetrachloroethane	0.22	1.0		U
127-18-4	Tetrachloroethene	0.14	1.0		U
108-88-3	Toluene	0.18	1.0	0.54	I
87-61-6	1,2,3-Trichlorobenzene	0.16	1.0		U
120-82-1	1,2,4-Trichlorobenzene	0.14	1.0		U
71-55-6	1,1,1-Trichloroethane	0.15	1.0		U
79-00-5	1,1,2-Trichloroethane	0.17	1.0		U
79-01-6	Trichloroethene	0.28	1.0		U
76-13-1	Trichlorotrifluoroethane	0.22	1.0		U
75-69-4	Trichlorofluoromethane	0.15	2.0		U
96-18-4	1,2,3-Trichloropropane	0.31	1.0		U
108-05-4	Vinyl acetate	1.3	5.0		U
75-01-4	Vinyl chloride	0.19	1.0		U
108-38-3	m,p-Xylene	0.26	1.0	0.30	I
95-47-6	o-Xylene	0.21	1.0		U
1330-20-7	Xylene(total)	0.21	1.0	0.28	I

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

TRIP BLANK 4309

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW001

Matrix: (soil/water) WATER Lab Sample ID: 0612081-03

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 1208103

Level: (low/med) LOW Date Sampled: 12/07/06 :

% Moisture: not dec. _____ Date Analyzed: 12/15/06 23:23

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
67-64-1	Acetone	1.1	10	5.8	I
75-05-8	Acetonitrile	0.20	5.0		U
107-02-8	Acrolein	4.1	5.0		U
107-13-1	Acrylonitrile	0.95	5.0		U
107-05-1	Allyl chloride	0.20	1.0		U
71-43-2	Benzene	0.11	1.0		U
75-27-4	Bromodichloromethane	0.24	1.0		U
75-25-2	Bromoform	0.24	1.0		U
74-83-9	Bromomethane	0.33	2.0		U
78-93-3	2-Butanone	1.2	10		U
75-15-0	Carbon disulfide	0.13	1.0		U
56-23-5	Carbon tetrachloride	0.14	1.0		U
108-90-7	Chlorobenzene	0.28	1.0		U
75-00-3	Chloroethane	0.38	2.0		U
67-66-3	Chloroform	0.15	1.0		U
74-87-3	Chloromethane	0.18	2.0		U
126-99-8	Chloroprene	0.20	1.0		U
110-82-7	Cyclohexane	0.18	2.0		U
124-48-1	Dibromochloromethane	0.20	1.0		U
96-12-8	1,2-Dibromo-3-chloropropane	0.28	2.0		U
74-95-3	Dibromomethane	0.14	1.0		U
95-50-1	1,2-Dichlorobenzene	0.17	1.0		U
541-73-1	1,3-Dichlorobenzene	0.21	1.0		U
106-46-7	1,4-Dichlorobenzene	0.12	1.0		U
110-57-6	trans-1,4-Dichloro-2-butene	0.60	5.0		U
75-71-8	Dichlorodifluoromethane	0.24	2.0		U
75-34-3	1,1-Dichloroethane	0.15	1.0		U
107-06-2	1,2-Dichloroethane	0.15	1.0		U
75-35-4	1,1-Dichloroethene	0.42	1.0		U
156-59-2	cis-1,2-Dichloroethene	0.44	1.0		U
156-60-5	trans-1,2-Dichloroethene	0.40	1.0		U
78-87-5	1,2-Dichloropropane	0.18	1.0		U
10061-01-5	cis-1,3-Dichloropropene	0.13	1.0		U
10061-02-6	trans-1,3-Dichloropropene	0.22	1.0		U
123-91-1	1,4-Dioxane	0.20	20		U
100-41-4	Ethylbenzene	0.14	1.0		U
97-63-2	Ethyl methacrylate	0.21	1.0		U
591-78-6	2-Hexanone	0.83	5.0		U
74-88-4	Iodomethane	0.19	5.0		U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

TRIP BLANK 4309

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW001

Matrix: (soil/water) WATER Lab Sample ID: 0612081-03

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 1208103

Level: (low/med) LOW Date Sampled: 12/07/06 :

% Moisture: not dec. _____ Date Analyzed: 12/15/06 23:23

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
78-83-1	Isobutyl alcohol	0.20	10		U
98-82-8	Isopropylbenzene	0.25	1.0		U
79-20-9	Methyl acetate	0.87	1.0		U
126-98-7	Methacrylonitrile	0.20	5.0		U
108-87-2	Methyl cyclohexane	0.20	1.0		U
75-09-2	Methylene chloride	0.26	2.0		U
80-62-6	Methyl methacrylate	0.35	1.0		U
108-10-1	4-Methyl-2-pentanone	1.4	5.0		U
1634-04-4	MTBE	0.17	1.0		U
107-12-0	Propionitrile	0.20	5.0		U
100-42-5	Styrene	0.22	1.0		U
630-20-6	1,1,1,2-Tetrachloroethane	0.19	1.0		U
79-34-5	1,1,2,2-Tetrachloroethane	0.22	1.0		U
127-18-4	Tetrachloroethene	0.14	1.0		U
108-88-3	Toluene	0.18	1.0		U
87-61-6	1,2,3-Trichlorobenzene	0.16	1.0		U
120-82-1	1,2,4-Trichlorobenzene	0.14	1.0		U
71-55-6	1,1,1-Trichloroethane	0.15	1.0		U
79-00-5	1,1,2-Trichloroethane	0.17	1.0		U
79-01-6	Trichloroethene	0.28	1.0		U
76-13-1	Trichlorotrifluoroethane	0.22	1.0		U
75-69-4	Trichlorofluoromethane	0.15	2.0		U
96-18-4	1,2,3-Trichloropropane	0.31	1.0		U
108-05-4	Vinyl acetate	1.3	5.0		U
75-01-4	Vinyl chloride	0.19	1.0		U
108-38-3	m,p-Xylene	0.26	1.0		U
95-47-6	o-Xylene	0.21	1.0		U
1330-20-7	Xylene(total)	0.21	1.0		U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW5S-001

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW001

Matrix: (soil/water) WATER Lab Sample ID: 0612081-04

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 1208104

Level: (low/med) LOW Date Sampled: 12/07/06 17:30

% Moisture: not dec. _____ Date Analyzed: 12/16/06 02:02

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
67-64-1	Acetone	1.1	10	3.2	I
75-05-8	Acetonitrile	0.20	5.0		U
107-02-8	Acrolein	4.1	5.0		U
107-13-1	Acrylonitrile	0.95	5.0		U
107-05-1	Allyl chloride	0.20	1.0		U
71-43-2	Benzene	0.11	1.0	4.9	
75-27-4	Bromodichloromethane	0.24	1.0		U
75-25-2	Bromoform	0.24	1.0		U
74-83-9	Bromomethane	0.33	2.0		U
78-93-3	2-Butanone	1.2	10		U
75-15-0	Carbon disulfide	0.13	1.0		U
56-23-5	Carbon tetrachloride	0.14	1.0		U
108-90-7	Chlorobenzene	0.28	1.0		U
75-00-3	Chloroethane	0.38	2.0		U
67-66-3	Chloroform	0.15	1.0	1.1	V
74-87-3	Chloromethane	0.18	2.0	0.33	IV
126-99-8	Chloroprene	0.20	1.0		U
110-82-7	Cyclohexane	0.18	2.0	0.41	I
124-48-1	Dibromochloromethane	0.20	1.0		U
96-12-8	1,2-Dibromo-3-chloropropane	0.28	2.0		U
74-95-3	Dibromomethane	0.14	1.0		U
95-50-1	1,2-Dichlorobenzene	0.17	1.0		U
541-73-1	1,3-Dichlorobenzene	0.21	1.0		U
106-46-7	1,4-Dichlorobenzene	0.12	1.0		U
110-57-6	trans-1,4-Dichloro-2-butene	0.60	5.0		U
75-71-8	Dichlorodifluoromethane	0.24	2.0		U
75-34-3	1,1-Dichloroethane	0.15	1.0	5.2	
107-06-2	1,2-Dichloroethane	0.15	1.0		U
75-35-4	1,1-Dichloroethene	0.42	1.0		U
156-59-2	cis-1,2-Dichloroethene	0.44	1.0	77	
156-60-5	trans-1,2-Dichloroethene	0.40	1.0		U
78-87-5	1,2-Dichloropropane	0.18	1.0		U
10061-01-5	cis-1,3-Dichloropropene	0.13	1.0		U
10061-02-6	trans-1,3-Dichloropropene	0.22	1.0		U
123-91-1	1,4-Dioxane	0.20	20		U
100-41-4	Ethylbenzene	0.14	1.0	4.6	
97-63-2	Ethyl methacrylate	0.21	1.0		U
591-78-6	2-Hexanone	0.83	5.0		U
74-88-4	Iodomethane	0.19	5.0		U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW5S-001

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW001

Matrix: (soil/water) WATER Lab Sample ID: 0612081-04

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 1208104

Level: (low/med) LOW Date Sampled: 12/07/06 17:30

% Moisture: not dec. _____ Date Analyzed: 12/16/06 02:02

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
78-83-1	Isobutyl alcohol	0.20	10		U
98-82-8	Isopropylbenzene	0.25	1.0	1.5	
79-20-9	Methyl acetate	0.87	1.0		U
126-98-7	Methacrylonitrile	0.20	5.0		U
108-87-2	Methyl cyclohexane	0.20	1.0		U
75-09-2	Methylene chloride	0.26	2.0		U
80-62-6	Methyl methacrylate	0.35	1.0		U
108-10-1	4-Methyl-2-pentanone	1.4	5.0		U
1634-04-4	MTBE	0.17	1.0		U
107-12-0	Propionitrile	0.20	5.0		U
100-42-5	Styrene	0.22	1.0		U
630-20-6	1,1,1,2-Tetrachloroethane	0.19	1.0		U
79-34-5	1,1,2,2-Tetrachloroethane	0.22	1.0		U
127-18-4	Tetrachloroethene	0.14	1.0		U
108-88-3	Toluene	0.18	1.0	1.1	
87-61-6	1,2,3-Trichlorobenzene	0.16	1.0		U
120-82-1	1,2,4-Trichlorobenzene	0.14	1.0		U
71-55-6	1,1,1-Trichloroethane	0.15	1.0		U
79-00-5	1,1,2-Trichloroethane	0.17	1.0		U
79-01-6	Trichloroethene	0.28	1.0		U
76-13-1	Trichlorotrifluoroethane	0.22	1.0		U
75-69-4	Trichlorofluoromethane	0.15	2.0		U
96-18-4	1,2,3-Trichloropropane	0.31	1.0		U
108-05-4	Vinyl acetate	1.3	5.0		U
75-01-4	Vinyl chloride	0.19	1.0	0.27	I
108-38-3	m,p-Xylene	0.26	1.0	21	
95-47-6	o-Xylene	0.21	1.0	1.3	
1330-20-7	Xylene(total)	0.21	1.0	21	

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.
OLSF4-MW
-16S-001

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW001

Matrix: (soil/water) WATER Lab Sample ID: 0612081-05

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 1208105

Level: (low/med) LOW Date Sampled: 12/07/06 16:00

% Moisture: not dec. _____ Date Analyzed: 12/16/06 02:34

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
67-64-1	Acetone	1.1	10	8.1	I
75-05-8	Acetonitrile	0.20	5.0		U
107-02-8	Acrolein	4.1	5.0		U
107-13-1	Acrylonitrile	0.95	5.0		U
107-05-1	Allyl chloride	0.20	1.0		U
71-43-2	Benzene	0.11	1.0	0.19	I
75-27-4	Bromodichloromethane	0.24	1.0	0.29	I
75-25-2	Bromoform	0.24	1.0		U
74-83-9	Bromomethane	0.33	2.0		U
78-93-3	2-Butanone	1.2	10		U
75-15-0	Carbon disulfide	0.13	1.0		U
56-23-5	Carbon tetrachloride	0.14	1.0		U
108-90-7	Chlorobenzene	0.28	1.0		U
75-00-3	Chloroethane	0.38	2.0		U
67-66-3	Chloroform	0.15	1.0	0.96	IV
74-87-3	Chloromethane	0.18	2.0		U
126-99-8	Chloroprene	0.20	1.0		U
110-82-7	Cyclohexane	0.18	2.0		U
124-48-1	Dibromochloromethane	0.20	1.0	0.38	I
96-12-8	1,2-Dibromo-3-chloropropane	0.28	2.0		U
74-95-3	Dibromomethane	0.14	1.0		U
95-50-1	1,2-Dichlorobenzene	0.17	1.0		U
541-73-1	1,3-Dichlorobenzene	0.21	1.0		U
106-46-7	1,4-Dichlorobenzene	0.12	1.0		U
110-57-6	trans-1,4-Dichloro-2-butene	0.60	5.0		U
75-71-8	Dichlorodifluoromethane	0.24	2.0		U
75-34-3	1,1-Dichloroethane	0.15	1.0		U
107-06-2	1,2-Dichloroethane	0.15	1.0		U
75-35-4	1,1-Dichloroethene	0.42	1.0		U
156-59-2	cis-1,2-Dichloroethene	0.44	1.0		U
156-60-5	trans-1,2-Dichloroethene	0.40	1.0		U
78-87-5	1,2-Dichloropropane	0.18	1.0		U
10061-01-5	cis-1,3-Dichloropropene	0.13	1.0		U
10061-02-6	trans-1,3-Dichloropropene	0.22	1.0		U
123-91-1	1,4-Dioxane	0.20	20		U
100-41-4	Ethylbenzene	0.14	1.0		U
97-63-2	Ethyl methacrylate	0.21	1.0		U
591-78-6	2-Hexanone	0.83	5.0		U
74-88-4	Iodomethane	0.19	5.0		U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.
OLSF4-MW
-16S-001

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW001

Matrix: (soil/water) WATER Lab Sample ID: 0612081-05

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 1208105

Level: (low/med) LOW Date Sampled: 12/07/06 16:00

% Moisture: not dec. _____ Date Analyzed: 12/16/06 02:34

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
78-83-1	Isobutyl alcohol	0.20	10		U
98-82-8	Isopropylbenzene	0.25	1.0		U
79-20-9	Methyl acetate	0.87	1.0		U
126-98-7	Methacrylonitrile	0.20	5.0		U
108-87-2	Methyl cyclohexane	0.20	1.0		U
75-09-2	Methylene chloride	0.26	2.0		U
80-62-6	Methyl methacrylate	0.35	1.0		U
108-10-1	4-Methyl-2-pentanone	1.4	5.0		U
1634-04-4	MTBE	0.17	1.0		U
107-12-0	Propionitrile	0.20	5.0		U
100-42-5	Styrene	0.22	1.0		U
630-20-6	1,1,1,2-Tetrachloroethane	0.19	1.0		U
79-34-5	1,1,2,2-Tetrachloroethane	0.22	1.0		U
127-18-4	Tetrachloroethene	0.14	1.0		U
108-88-3	Toluene	0.18	1.0	0.61	I
87-61-6	1,2,3-Trichlorobenzene	0.16	1.0		U
120-82-1	1,2,4-Trichlorobenzene	0.14	1.0		U
71-55-6	1,1,1-Trichloroethane	0.15	1.0		U
79-00-5	1,1,2-Trichloroethane	0.17	1.0		U
79-01-6	Trichloroethene	0.28	1.0		U
76-13-1	Trichlorotrifluoroethane	0.22	1.0		U
75-69-4	Trichlorofluoromethane	0.15	2.0		U
96-18-4	1,2,3-Trichloropropane	0.31	1.0		U
108-05-4	Vinyl acetate	1.3	5.0		U
75-01-4	Vinyl chloride	0.19	1.0		U
108-38-3	m,p-Xylene	0.26	1.0	0.36	I
95-47-6	o-Xylene	0.21	1.0		U
1330-20-7	Xylene(total)	0.21	1.0	0.34	I

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.
OLSF4-MW
-19S-001

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW001

Matrix: (soil/water) WATER Lab Sample ID: 0612081-06

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 1208106

Level: (low/med) LOW Date Sampled: 12/07/06 16:00

% Moisture: not dec. _____ Date Analyzed: 12/16/06 03:05

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
67-64-1	Acetone	1.1	10		U
75-05-8	Acetonitrile	0.20	5.0		U
107-02-8	Acrolein	4.1	5.0		U
107-13-1	Acrylonitrile	0.95	5.0		U
107-05-1	Allyl chloride	0.20	1.0		U
71-43-2	Benzene	0.11	1.0	0.18	I
75-27-4	Bromodichloromethane	0.24	1.0	0.36	I
75-25-2	Bromoform	0.24	1.0		U
74-83-9	Bromomethane	0.33	2.0		U
78-93-3	2-Butanone	1.2	10		U
75-15-0	Carbon disulfide	0.13	1.0		U
56-23-5	Carbon tetrachloride	0.14	1.0		U
108-90-7	Chlorobenzene	0.28	1.0		U
75-00-3	Chloroethane	0.38	2.0		U
67-66-3	Chloroform	0.15	1.0	0.45	IV
74-87-3	Chloromethane	0.18	2.0	0.22	IV
126-99-8	Chloroprene	0.20	1.0		U
110-82-7	Cyclohexane	0.18	2.0		U
124-48-1	Dibromochloromethane	0.20	1.0	0.35	I
96-12-8	1,2-Dibromo-3-chloropropane	0.28	2.0		U
74-95-3	Dibromomethane	0.14	1.0		U
95-50-1	1,2-Dichlorobenzene	0.17	1.0		U
541-73-1	1,3-Dichlorobenzene	0.21	1.0		U
106-46-7	1,4-Dichlorobenzene	0.12	1.0		U
110-57-6	trans-1,4-Dichloro-2-butene	0.60	5.0		U
75-71-8	Dichlorodifluoromethane	0.24	2.0		U
75-34-3	1,1-Dichloroethane	0.15	1.0		U
107-06-2	1,2-Dichloroethane	0.15	1.0		U
75-35-4	1,1-Dichloroethene	0.42	1.0		U
156-59-2	cis-1,2-Dichloroethene	0.44	1.0		U
156-60-5	trans-1,2-Dichloroethene	0.40	1.0		U
78-87-5	1,2-Dichloropropane	0.18	1.0		U
10061-01-5	cis-1,3-Dichloropropene	0.13	1.0		U
10061-02-6	trans-1,3-Dichloropropene	0.22	1.0		U
123-91-1	1,4-Dioxane	0.20	20		U
100-41-4	Ethylbenzene	0.14	1.0		U
97-63-2	Ethyl methacrylate	0.21	1.0		U
591-78-6	2-Hexanone	0.83	5.0		U
74-88-4	Iodomethane	0.19	5.0		U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.
OLSF4-MW
-19S-001

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW001

Matrix: (soil/water) WATER Lab Sample ID: 0612081-06

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 1208106

Level: (low/med) LOW Date Sampled: 12/07/06 16:00

% Moisture: not dec. _____ Date Analyzed: 12/16/06 03:05

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
78-83-1	Isobutyl alcohol	0.20	10		U
98-82-8	Isopropylbenzene	0.25	1.0		U
79-20-9	Methyl acetate	0.87	1.0		U
126-98-7	Methacrylonitrile	0.20	5.0		U
108-87-2	Methyl cyclohexane	0.20	1.0		U
75-09-2	Methylene chloride	0.26	2.0		U
80-62-6	Methyl methacrylate	0.35	1.0		U
108-10-1	4-Methyl-2-pentanone	1.4	5.0		U
1634-04-4	MTBE	0.17	1.0		U
107-12-0	Propionitrile	0.20	5.0		U
100-42-5	Styrene	0.22	1.0		U
630-20-6	1,1,1,2-Tetrachloroethane	0.19	1.0		U
79-34-5	1,1,2,2-Tetrachloroethane	0.22	1.0		U
127-18-4	Tetrachloroethene	0.14	1.0		U
108-88-3	Toluene	0.18	1.0	0.26	I
87-61-6	1,2,3-Trichlorobenzene	0.16	1.0		U
120-82-1	1,2,4-Trichlorobenzene	0.14	1.0		U
71-55-6	1,1,1-Trichloroethane	0.15	1.0		U
79-00-5	1,1,2-Trichloroethane	0.17	1.0		U
79-01-6	Trichloroethene	0.28	1.0		U
76-13-1	Trichlorotrifluoroethane	0.22	1.0		U
75-69-4	Trichlorofluoromethane	0.15	2.0		U
96-18-4	1,2,3-Trichloropropane	0.31	1.0		U
108-05-4	Vinyl acetate	1.3	5.0		U
75-01-4	Vinyl chloride	0.19	1.0		U
108-38-3	m,p-Xylene	0.26	1.0		U
95-47-6	o-Xylene	0.21	1.0		U
1330-20-7	Xylene(total)	0.21	1.0		U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

TRIP BLANK 4305

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW001

Matrix: (soil/water) WATER Lab Sample ID: 0612095-01

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 1209501

Level: (low/med) LOW Date Sampled: 12/08/06 :

% Moisture: not dec. _____ Date Analyzed: 12/15/06 23:55

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
67-64-1	Acetone	1.1	10	6.8	I
75-05-8	Acetonitrile	0.20	5.0		U
107-02-8	Acrolein	4.1	5.0		U
107-13-1	Acrylonitrile	0.95	5.0		U
107-05-1	Allyl chloride	0.20	1.0		U
71-43-2	Benzene	0.11	1.0		U
75-27-4	Bromodichloromethane	0.24	1.0		U
75-25-2	Bromoform	0.24	1.0		U
74-83-9	Bromomethane	0.33	2.0		U
78-93-3	2-Butanone	1.2	10		U
75-15-0	Carbon disulfide	0.13	1.0		U
56-23-5	Carbon tetrachloride	0.14	1.0		U
108-90-7	Chlorobenzene	0.28	1.0		U
75-00-3	Chloroethane	0.38	2.0		U
67-66-3	Chloroform	0.15	1.0		U
74-87-3	Chloromethane	0.18	2.0		U
126-99-8	Chloroprene	0.20	1.0		U
110-82-7	Cyclohexane	0.18	2.0		U
124-48-1	Dibromochloromethane	0.20	1.0		U
96-12-8	1,2-Dibromo-3-chloropropane	0.28	2.0		U
74-95-3	Dibromomethane	0.14	1.0		U
95-50-1	1,2-Dichlorobenzene	0.17	1.0		U
541-73-1	1,3-Dichlorobenzene	0.21	1.0		U
106-46-7	1,4-Dichlorobenzene	0.12	1.0		U
110-57-6	trans-1,4-Dichloro-2-butene	0.60	5.0		U
75-71-8	Dichlorodifluoromethane	0.24	2.0		U
75-34-3	1,1-Dichloroethane	0.15	1.0		U
107-06-2	1,2-Dichloroethane	0.15	1.0		U
75-35-4	1,1-Dichloroethene	0.42	1.0		U
156-59-2	cis-1,2-Dichloroethene	0.44	1.0		U
156-60-5	trans-1,2-Dichloroethene	0.40	1.0		U
78-87-5	1,2-Dichloropropane	0.18	1.0		U
10061-01-5	cis-1,3-Dichloropropene	0.13	1.0		U
10061-02-6	trans-1,3-Dichloropropene	0.22	1.0		U
123-91-1	1,4-Dioxane	0.20	20		U
100-41-4	Ethylbenzene	0.14	1.0		U
97-63-2	Ethyl methacrylate	0.21	1.0		U
591-78-6	2-Hexanone	0.83	5.0		U
74-88-4	Iodomethane	0.19	5.0		U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

TRIP BLANK 4305

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW001

Matrix: (soil/water) WATER Lab Sample ID: 0612095-01

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 1209501

Level: (low/med) LOW Date Sampled: 12/08/06 :

% Moisture: not dec. _____ Date Analyzed: 12/15/06 23:55

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
78-83-1	Isobutyl alcohol	0.20	10		U
98-82-8	Isopropylbenzene	0.25	1.0		U
79-20-9	Methyl acetate	0.87	1.0		U
126-98-7	Methacrylonitrile	0.20	5.0		U
108-87-2	Methyl cyclohexane	0.20	1.0		U
75-09-2	Methylene chloride	0.26	2.0		U
80-62-6	Methyl methacrylate	0.35	1.0		U
108-10-1	4-Methyl-2-pentanone	1.4	5.0		U
1634-04-4	MTBE	0.17	1.0		U
107-12-0	Propionitrile	0.20	5.0		U
100-42-5	Styrene	0.22	1.0		U
630-20-6	1,1,1,2-Tetrachloroethane	0.19	1.0		U
79-34-5	1,1,2,2-Tetrachloroethane	0.22	1.0		U
127-18-4	Tetrachloroethene	0.14	1.0		U
108-88-3	Toluene	0.18	1.0		U
87-61-6	1,2,3-Trichlorobenzene	0.16	1.0		U
120-82-1	1,2,4-Trichlorobenzene	0.14	1.0		U
71-55-6	1,1,1-Trichloroethane	0.15	1.0		U
79-00-5	1,1,2-Trichloroethane	0.17	1.0		U
79-01-6	Trichloroethene	0.28	1.0		U
76-13-1	Trichlorotrifluoroethane	0.22	1.0		U
75-69-4	Trichlorofluoromethane	0.15	2.0		U
96-18-4	1,2,3-Trichloropropane	0.31	1.0		U
108-05-4	Vinyl acetate	1.3	5.0		U
75-01-4	Vinyl chloride	0.19	1.0		U
108-38-3	m,p-Xylene	0.26	1.0		U
95-47-6	o-Xylene	0.21	1.0		U
1330-20-7	Xylene(total)	0.21	1.0		U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW07S-001

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW001

Matrix: (soil/water) WATER Lab Sample ID: 0612095-02

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 1209502

Level: (low/med) LOW Date Sampled: 12/08/06 16:00

% Moisture: not dec. _____ Date Analyzed: 12/16/06 00:27

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
67-64-1	Acetone	1.1	10		U
75-05-8	Acetonitrile	0.20	5.0		U
107-02-8	Acrolein	4.1	5.0		U
107-13-1	Acrylonitrile	0.95	5.0		U
107-05-1	Allyl chloride	0.20	1.0		U
71-43-2	Benzene	0.11	1.0	0.38	I
75-27-4	Bromodichloromethane	0.24	1.0		U
75-25-2	Bromoform	0.24	1.0		U
74-83-9	Bromomethane	0.33	2.0		U
78-93-3	2-Butanone	1.2	10		U
75-15-0	Carbon disulfide	0.13	1.0		U
56-23-5	Carbon tetrachloride	0.14	1.0		U
108-90-7	Chlorobenzene	0.28	1.0		U
75-00-3	Chloroethane	0.38	2.0		U
67-66-3	Chloroform	0.15	1.0	0.36	IV
74-87-3	Chloromethane	0.18	2.0		U
126-99-8	Chloroprene	0.20	1.0		U
110-82-7	Cyclohexane	0.18	2.0	1.6	I
124-48-1	Dibromochloromethane	0.20	1.0		U
96-12-8	1,2-Dibromo-3-chloropropane	0.28	2.0		U
74-95-3	Dibromomethane	0.14	1.0		U
95-50-1	1,2-Dichlorobenzene	0.17	1.0		U
541-73-1	1,3-Dichlorobenzene	0.21	1.0		U
106-46-7	1,4-Dichlorobenzene	0.12	1.0		U
110-57-6	trans-1,4-Dichloro-2-butene	0.60	5.0		U
75-71-8	Dichlorodifluoromethane	0.24	2.0		U
75-34-3	1,1-Dichloroethane	0.15	1.0		U
107-06-2	1,2-Dichloroethane	0.15	1.0		U
75-35-4	1,1-Dichloroethene	0.42	1.0		U
156-59-2	cis-1,2-Dichloroethene	0.44	1.0	1.1	
156-60-5	trans-1,2-Dichloroethene	0.40	1.0		U
78-87-5	1,2-Dichloropropane	0.18	1.0		U
10061-01-5	cis-1,3-Dichloropropene	0.13	1.0		U
10061-02-6	trans-1,3-Dichloropropene	0.22	1.0		U
123-91-1	1,4-Dioxane	0.20	20		U
100-41-4	Ethylbenzene	0.14	1.0	0.29	I
97-63-2	Ethyl methacrylate	0.21	1.0		U
591-78-6	2-Hexanone	0.83	5.0		U
74-88-4	Iodomethane	0.19	5.0		U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW07S-001

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW001

Matrix: (soil/water) WATER Lab Sample ID: 0612095-02

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 1209502

Level: (low/med) LOW Date Sampled: 12/08/06 16:00

% Moisture: not dec. _____ Date Analyzed: 12/16/06 00:27

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
78-83-1	Isobutyl alcohol	0.20	10		U
98-82-8	Isopropylbenzene	0.25	1.0	0.39	I
79-20-9	Methyl acetate	0.87	1.0		U
126-98-7	Methacrylonitrile	0.20	5.0		U
108-87-2	Methyl cyclohexane	0.20	1.0	2.2	
75-09-2	Methylene chloride	0.26	2.0		U
80-62-6	Methyl methacrylate	0.35	1.0		U
108-10-1	4-Methyl-2-pentanone	1.4	5.0		U
1634-04-4	MTBE	0.17	1.0		U
107-12-0	Propionitrile	0.20	5.0		U
100-42-5	Styrene	0.22	1.0		U
630-20-6	1,1,1,2-Tetrachloroethane	0.19	1.0		U
79-34-5	1,1,2,2-Tetrachloroethane	0.22	1.0		U
127-18-4	Tetrachloroethene	0.14	1.0	0.24	I
108-88-3	Toluene	0.18	1.0	0.46	I
87-61-6	1,2,3-Trichlorobenzene	0.16	1.0		U
120-82-1	1,2,4-Trichlorobenzene	0.14	1.0		U
71-55-6	1,1,1-Trichloroethane	0.15	1.0		U
79-00-5	1,1,2-Trichloroethane	0.17	1.0		U
79-01-6	Trichloroethene	0.28	1.0		U
76-13-1	Trichlorotrifluoroethane	0.22	1.0		U
75-69-4	Trichlorofluoromethane	0.15	2.0		U
96-18-4	1,2,3-Trichloropropane	0.31	1.0		U
108-05-4	Vinyl acetate	1.3	5.0		U
75-01-4	Vinyl chloride	0.19	1.0		U
108-38-3	m,p-Xylene	0.26	1.0	0.31	I
95-47-6	o-Xylene	0.21	1.0	0.54	I
1330-20-7	Xylene(total)	0.21	1.0	0.83	I

FORM 2
WATER VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW001

	CLIENT SAMPLE NO.	SMC1 (DFM) #	SMC2 (DCE) #	SMC3 (TOL) #	SMC4 (BFB) #	TOT OUT
01	V4BLK1215ELC	100	98	97	102	0
02	V4BLK1215E	101	100	97	100	0
03	TRIP BLANK 4	100	96	100	99	0
04	TRIP BLANK 4	100	97	97	98	0
05	TRIP BLANK 4	103	99	99	96	0
06	OLFS4-MW07S-	100	96	99	99	0
07	OLFS4-MW085-	102	100	99	97	0
08	OLFS4-MW085-	99	95	98	96	0
09	OLFS4-MW5S-0	101	100	96	97	0
10	OLSF4-MW-16S	101	97	102	101	0
11	OLSF4-MW-19S	102	101	96	97	0
12	OLFS4-MW06S-	102	98	98	97	0
13	OLFS4-MW03S-	101	98	99	98	0
14	OLFS4-MW03S-	99	99	93	98	0
15	OLFS4-MW03S-	102	97	94	98	0
16						
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		EL QC LIMITS	SPIKE CONC (ug/L)
SMC1	(DFM) = Dibromofluoromethane	(85-120)	30
SMC2	(DCE) = 1,2-Dichloroethane-d4	(80-135)	30
SMC3	(TOL) = Toluene-d8	(85-115)	30
SMC4	(BFB) = Bromofluorobenzene	(85-120)	30

Column to be used to flag recovery values

* Values outside of contract required QC limits

D Surrogate results reported from a diluted analysis

FORM 3
WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW001

Matrix Spike - Client Sample No.: OLFS4-MW03S-001 Lab Sample ID: 0612069-03

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC #	QC. LIMITS REC.
Acetone	100.0	3.181	95.73	92	35-175
Acetonitrile	500.0	0.0000	507.5	102	50-150
Acrolein	250.0	0.0000	255.9	102	10-200
Acrylonitrile	250.0	0.0000	250.6	100	35-180
Allyl chloride	50.00	0.0000	46.43	93	50-150
Benzene	50.00	0.1111	47.93	96	75-125
Bromodichloromethane	50.00	0.0000	49.94	100	85-135
Bromoform	50.00	0.0000	42.53	85	70-140
Bromomethane	50.00	0.0000	48.09	96	45-150
2-Butanone	100.0	0.0000	93.26	93	65-145
Carbon disulfide	50.00	0.0000	36.26	72	65-130
Carbon tetrachloride	50.00	0.0000	49.85	100	75-135
Chlorobenzene	50.00	0.0000	44.62	89	75-120
Chloroethane	50.00	0.0000	50.33	101	65-145
Chloroform	50.00	0.3954	53.76	107	75-125
Chloromethane	50.00	0.0000	70.03	140	45-145
Chloroprene	50.00	0.0000	53.73	107	50-150
Cyclohexane	50.00	0.0000	45.93	92	60-130
Dibromochloromethane	50.00	0.0000	47.17	94	80-140
1,2-Dibromo-3-chloropro	50.00	0.0000	46.92	94	70-130
Dibromomethane	50.00	0.0000	50.99	102	65-140
1,2-Dichlorobenzene	50.00	0.0000	47.39	95	70-130
1,3-Dichlorobenzene	50.00	0.0000	41.24	82	65-125
1,4-Dichlorobenzene	50.00	0.0000	44.58	89	70-125
trans-1,4-Dichloro-2-bu	50.00	0.0000	46.24	92	50-150
Dichlorodifluoromethane	50.00	0.0000	58.65	117	40-160
1,1-Dichloroethane	50.00	0.0000	47.05	94	75-130
1,2-Dichloroethane	50.00	0.0000	53.47	107	70-135

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

COMMENTS: _____

FORM 3
WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW001

Matrix Spike - Client Sample No.: OLFS4-MW03S-001 Lab Sample ID: 0612069-03

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC #	QC. LIMITS REC.
1,1-Dichloroethene	50.00	0.0000	38.32	77	70-125
cis-1,2-Dichloroethene	50.00	0.0000	43.67	87	80-120
trans-1,2-Dichloroethen	50.00	0.0000	38.52	77	70-125
1,2-Dichloropropane	50.00	0.0000	48.84	98	75-130
cis-1,3-Dichloropropene	50.00	0.0000	50.37	101	75-130
trans-1,3-Dichloroprope	50.00	0.0000	51.36	103	70-130
1,4-Dioxane	1000	0.0000	840.8	84	50-150
Ethylbenzene	50.00	0.0000	45.10	90	75-130
Ethyl methacrylate	100.0	0.0000	92.36	92	70-135
2-Hexanone	100.0	0.0000	92.61	93	70-140
Iodomethane	50.00	0.0000	35.62	71	50-140
Isobutyl alcohol	1000	0.0000	1041	104	50-150
Isopropylbenzene	50.00	0.0000	50.91	102	65-130
Methyl acetate	50.00	0.0000	36.73	73	55-150
Methacrylonitrile	500.0	0.0000	562.8	112	50-150
Methyl cyclohexane	50.00	0.0000	41.29	82	60-125
Methylene chloride	50.00	0.0000	43.18	86	70-130
Methyl methacrylate	100.0	0.0000	127.0	127	70-135
4-Methyl-2-pentanone	100.0	0.0000	117.7	118	75-135
MTBE	50.00	0.0000	49.74	99	75-125
Propionitrile	500.0	0.0000	515.3	103	50-150
Styrene	50.00	0.0000	49.46	99	75-125
1,1,1,2-Tetrachloroetha	50.00	0.0000	46.33	93	70-140
1,1,2,2-Tetrachloroetha	50.00	0.0000	53.48	107	70-130
Tetrachloroethene	55.00	0.0000	44.52	81	70-125
Toluene	50.00	0.2266	43.79	87	75-125
1,2,3-Trichlorobenzene	50.00	0.0000	45.46	91	60-125
1,2,4-Trichlorobenzene	50.00	0.0000	42.15	84	45-135

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

COMMENTS: _____

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FORM 3

WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW001

Matrix Spike - Client Sample No.: OLFS4-MW03S-001 Lab Sample ID: 0612069-03

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC #	QC. LIMITS REC.
1,1,1-Trichloroethane	50.00	0.0000	48.43	97	80-125
1,1,2-Trichloroethane	50.00	0.0000	48.01	96	80-130
Trichloroethene	50.00	0.0000	47.42	95	80-125
Trichlorotrifluoroethan	50.00	0.0000	37.19	74	60-130
Trichlorofluoromethane	50.00	0.0000	54.61	109	70-140
1,2,3-Trichloropropane	50.00	0.0000	50.37	101	70-140
Vinyl acetate	100.0	0.0000	68.88	69	60-150
Vinyl chloride	50.00	0.0000	50.97	102	65-140
m,p-Xylene	100.0	0.0000	94.01	94	75-125
o-Xylene	50.00	0.0000	48.46	97	75-130
Xylene(total)	150.0	0.0000	137.2	91	75-125

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

COMMENTS: _____

FORM 3
WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW001

Matrix Spike - Client Sample No.: OLFS4-MW03S-001 Lab Sample ID: 0612069-03

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Acetone	100.0	93.16	90	3	30	35-175
Acetonitrile	500.0	504.1	101	1	20	50-150
Acrolein	250.0	314.7	126	21	30	10-200
Acrylonitrile	250.0	259.2	104	3	30	35-180
Allyl chloride	50.00	47.26	94	2	20	50-150
Benzene	50.00	48.86	97	2	30	75-125
Bromodichloromethane	50.00	51.50	103	3	30	85-135
Bromoform	50.00	43.84	88	3	30	70-140
Bromomethane	50.00	54.50	109	12	30	45-150
2-Butanone	100.0	96.97	97	4	30	65-145
Carbon disulfide	50.00	37.79	76	4	30	65-130
Carbon tetrachloride	50.00	51.69	103	4	30	75-135
Chlorobenzene	50.00	45.81	92	3	30	75-120
Chloroethane	50.00	50.41	101	0	30	65-145
Chloroform	50.00	56.04	111	4	30	75-125
Chloromethane	50.00	70.19	140	0	30	45-145
Chloroprene	50.00	55.43	111	3	20	50-150
Cyclohexane	50.00	48.23	96	5	30	60-130
Dibromochloromethane	50.00	48.52	97	3	30	80-140
1,2-Dibromo-3-chloropro	50.00	50.59	101	8	30	70-130
Dibromomethane	50.00	52.16	104	2	30	65-140
1,2-Dichlorobenzene	50.00	48.98	98	3	30	70-130
1,3-Dichlorobenzene	50.00	42.29	84	2	30	65-125
1,4-Dichlorobenzene	50.00	44.11	88	1	30	70-125
trans-1,4-Dichloro-2-bu	50.00	46.18	92	0	20	50-150
Dichlorodifluoromethane	50.00	62.00	124	6	30	40-160
1,1-Dichloroethane	50.00	48.04	96	2	30	75-130
1,2-Dichloroethane	50.00	54.41	109	2	30	70-135

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

COMMENTS: _____

FORM 3
WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW001

Matrix Spike - Client Sample No.: OLFS4-MW03S-001 Lab Sample ID: 0612069-03

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
1,1-Dichloroethene	50.00	40.42	81	5	30	70-125
cis-1,2-Dichloroethene	50.00	45.65	91	4	30	80-120
trans-1,2-Dichloroethen	50.00	39.77	80	3	30	70-125
1,2-Dichloropropane	50.00	51.00	102	4	30	75-130
cis-1,3-Dichloropropene	50.00	52.77	106	5	30	75-130
trans-1,3-Dichloroprope	50.00	52.13	104	1	30	70-130
1,4-Dioxane	1000	977.9	98	15	20	50-150
Ethylbenzene	50.00	45.76	92	1	30	75-130
Ethyl methacrylate	100.0	93.86	94	2	30	70-135
2-Hexanone	100.0	97.17	97	5	30	70-140
Iodomethane	50.00	37.58	75	5	30	50-140
Isobutyl alcohol	1000	1123	112	8	20	50-150
Isopropylbenzene	50.00	51.01	102	0	30	65-130
Methyl acetate	50.00	38.03	76	3	30	55-150
Methacrylonitrile	500.0	572.7	114	2	20	50-150
Methyl cyclohexane	50.00	43.34	87	5	30	60-125
Methylene chloride	50.00	43.95	88	2	30	70-130
Methyl methacrylate	100.0	128.8	129	1	30	70-135
4-Methyl-2-pentanone	100.0	122.1	122	4	30	75-135
MTBE	50.00	52.10	104	5	30	75-125
Propionitrile	500.0	535.6	107	4	20	50-150
Styrene	50.00	50.83	102	3	30	75-125
1,1,1,2-Tetrachloroetha	50.00	47.64	95	3	30	70-140
1,1,2,2-Tetrachloroetha	50.00	54.41	109	2	30	70-130
Tetrachloroethene	55.00	44.34	81	0	30	70-125
Toluene	50.00	44.87	89	2	30	75-125
1,2,3-Trichlorobenzene	50.00	45.52	91	0	30	60-125
1,2,4-Trichlorobenzene	50.00	43.16	86	2	30	45-135

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

COMMENTS: _____

FORM 3
WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW001

Matrix Spike - Client Sample No.: OLFS4-MW03S-001 Lab Sample ID: 0612069-03

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
1,1,1-Trichloroethane	50.00	49.79	100	3	30	80-125
1,1,2-Trichloroethane	50.00	48.96	98	2	30	80-130
Trichloroethene	50.00	48.77	98	3	30	80-125
Trichlorotrifluoroethan	50.00	38.56	77	4	30	60-130
Trichlorofluoromethane	50.00	54.38	109	0	30	70-140
1,2,3-Trichloropropane	50.00	51.44	103	2	30	70-140
Vinyl acetate	100.0	70.61	71	2	30	60-150
Vinyl chloride	50.00	52.95	106	4	30	65-140
m,p-Xylene	100.0	93.57	94	0	30	75-125
o-Xylene	50.00	48.19	96	0	30	75-130
Xylene(total)	150.0	136.5	91	0	30	75-125

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 67 outside limits
Spike Recovery: 0 out of 134 outside limits

COMMENTS: _____

FORM 3
WATER VOLATILE LAB CONTROL SAMPLE

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW001

Matrix Spike - Client Sample No.: V4BLK1215E

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC #	QC. LIMITS REC.
Acetone	100.0	0.0000	89.76	90	35-175
Acetonitrile	500.0	0.0000	481.7	96	50-150
Acrolein	250.0	0.0000	160.4	64	10-200
Acrylonitrile	250.0	0.0000	261.2	104	35-180
Allyl chloride	50.00	0.0000	48.48	97	50-150
Benzene	50.00	0.0000	51.50	103	75-125
Bromodichloromethane	50.00	0.0000	52.48	105	85-135
Bromoform	50.00	0.0000	47.10	94	70-140
Bromomethane	50.00	0.0000	55.55	111	45-150
2-Butanone	100.0	0.0000	95.33	95	65-145
Carbon disulfide	50.00	0.0000	41.85	84	65-130
Carbon tetrachloride	50.00	0.0000	54.21	108	75-135
Chlorobenzene	50.00	0.0000	51.41	103	75-120
Chloroethane	50.00	0.0000	53.69	107	65-145
Chloroform	50.00	0.2418	57.52	114	75-125
Chloromethane	50.00	0.3418	73.14	146*	45-145
Chloroprene	50.00	0.0000	57.44	115	50-150
Cyclohexane	50.00	0.0000	51.86	104	60-130
Dibromochloromethane	50.00	0.0000	52.45	105	80-140
1,2-Dibromo-3-chloropro	50.00	0.0000	50.58	101	70-130
Dibromomethane	50.00	0.0000	53.58	107	65-140
1,2-Dichlorobenzene	50.00	0.0000	52.27	104	70-130
1,3-Dichlorobenzene	50.00	0.0000	47.31	95	65-125
1,4-Dichlorobenzene	50.00	0.0000	50.43	101	70-125
trans-1,4-Dichloro-2-bu	50.00	0.0000	47.93	96	50-150
Dichlorodifluoromethane	50.00	0.0000	62.59	125	40-160
1,1-Dichloroethane	50.00	0.0000	50.79	102	75-130
1,2-Dichloroethane	50.00	0.0000	54.96	110	70-135

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

COMMENTS: _____

_____

FORM 3
WATER VOLATILE LAB CONTROL SAMPLE

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW001

Matrix Spike - Client Sample No.: V4BLK1215E

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC #	QC. LIMITS REC.
1,1-Dichloroethene	50.00	0.0000	44.50	89	70-125
cis-1,2-Dichloroethene	50.00	0.0000	48.59	97	80-120
trans-1,2-Dichloroethen	50.00	0.0000	44.02	88	70-125
1,2-Dichloropropane	50.00	0.0000	53.43	107	75-130
cis-1,3-Dichloropropene	50.00	0.0000	55.87	112	75-130
trans-1,3-Dichloroprope	50.00	0.0000	57.57	115	70-130
1,4-Dioxane	1000	0.0000	961.3	96	50-150
Ethylbenzene	50.00	0.0000	49.64	99	75-130
Ethyl methacrylate	100.0	0.0000	96.81	97	70-135
2-Hexanone	100.0	0.0000	97.65	98	70-140
Iodomethane	50.00	0.0000	40.65	81	50-140
Isobutyl alcohol	1000	0.0000	1047	105	50-150
Isopropylbenzene	50.00	0.0000	59.26	118	65-130
Methyl acetate	50.00	0.0000	66.17	132	55-150
Methacrylonitrile	500.0	0.0000	548.2	110	50-150
Methyl cyclohexane	50.00	0.0000	50.05	100	60-125
Methylene chloride	50.00	0.0000	48.40	97	70-130
Methyl methacrylate	100.0	0.0000	126.5	126	70-135
4-Methyl-2-pentanone	100.0	0.0000	118.3	118	75-135
MTBE	50.00	0.0000	52.00	104	75-125
Propionitrile	500.0	0.0000	504.5	101	50-150
Styrene	50.00	0.0000	55.91	112	75-125
1,1,1,2-Tetrachloroetha	50.00	0.0000	52.13	104	70-140
1,1,2,2-Tetrachloroetha	50.00	0.0000	55.17	110	70-130
Tetrachloroethene	55.00	0.0000	56.31	102	70-125
Toluene	50.00	0.0000	49.46	99	75-125
1,2,3-Trichlorobenzene	50.00	0.0000	49.88	100	60-125
1,2,4-Trichlorobenzene	50.00	0.0000	49.05	98	45-135

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

COMMENTS: _____

FORM 3
WATER VOLATILE LAB CONTROL SAMPLE

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW001

Matrix Spike - Client Sample No.: V4BLK1215E

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC #	QC. LIMITS REC.
1,1,1-Trichloroethane	50.00	0.0000	51.82	104	80-125
1,1,2-Trichloroethane	50.00	0.0000	52.61	105	80-130
Trichloroethene	50.00	0.0000	53.06	106	80-125
Trichlorotrifluoroethan	50.00	0.0000	43.10	86	60-130
Trichlorofluoromethane	50.00	0.0000	58.34	117	70-140
1,2,3-Trichloropropane	50.00	0.0000	52.43	105	70-140
Vinyl acetate	100.0	0.0000	88.01	88	60-150
Vinyl chloride	50.00	0.0000	54.03	108	65-140
m,p-Xylene	100.0	0.0000	105.6	106	75-125
o-Xylene	50.00	0.0000	53.51	107	75-130
Xylene(total)	150.0	0.0000	153.1	102	75-125

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 0 outside limits
Spike Recovery: 1 out of 67 outside limits

COMMENTS: _____

FORM 4
VOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE NO.

V4BLK1215E

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW001

Lab File ID: V4BLK01E Lab Sample ID: V4BLK1215E

Date Analyzed: 12/15/06 Time Analyzed: 2148

Column: DB-VRX ID: 0.25 (mm) Heated Purge: (Y/N) N

Instrument ID: VOA4

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	V4BLK1215ELC	V4BLK1215ELCS	V4LCS01E	2014
02	TRIP BLANK 4	0612069-02	1206902	2251
03	TRIP BLANK 4	0612081-03	1208103	2323
04	TRIP BLANK 4	0612095-01	1209501	2355
05	OLFS4-MW07S-	0612095-02	1209502	0027
06	OLFS4-MW085-	0612081-01	1208101	0059
07	OLFS4-MW085-	0612081-02	1208102	0130
08	OLFS4-MW5S-0	0612081-04	1208104	0202
09	OLSF4-MW-16S	0612081-05	1208105	0234
10	OLSF4-MW-19S	0612081-06	1208106	0305
11	OLFS4-MW06S-	0612069-01	1206901	0337
12	OLFS4-MW03S-	0612069-03	1206903	0409
13	OLFS4-MW03S-	0612069-03	1206903M	0512
14	OLFS4-MW03S-	0612069-03	1206903S	0544
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COMMENTS:

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

V4BLK1215E

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW001

Matrix: (soil/water) WATER Lab Sample ID: V4BLK1215E

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V4BLK01E

Level: (low/med) LOW Date Sampled: _____

% Moisture: not dec. _____ Date Analyzed: 12/15/06 21:48

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
67-64-1	Acetone	1.1	10		U
75-05-8	Acetonitrile	0.20	5.0		U
107-02-8	Acrolein	4.1	5.0		U
107-13-1	Acrylonitrile	0.95	5.0		U
107-05-1	Allyl chloride	0.20	1.0		U
71-43-2	Benzene	0.11	1.0		U
75-27-4	Bromodichloromethane	0.24	1.0		U
75-25-2	Bromoform	0.24	1.0		U
74-83-9	Bromomethane	0.33	2.0		U
78-93-3	2-Butanone	1.2	10		U
75-15-0	Carbon disulfide	0.13	1.0		U
56-23-5	Carbon tetrachloride	0.14	1.0		U
108-90-7	Chlorobenzene	0.28	1.0		U
75-00-3	Chloroethane	0.38	2.0		U
67-66-3	Chloroform	0.15	1.0	0.24	I
74-87-3	Chloromethane	0.18	2.0	0.34	I
126-99-8	Chloroprene	0.20	1.0		U
110-82-7	Cyclohexane	0.18	2.0		U
124-48-1	Dibromochloromethane	0.20	1.0		U
96-12-8	1,2-Dibromo-3-chloropropane	0.28	2.0		U
74-95-3	Dibromomethane	0.14	1.0		U
95-50-1	1,2-Dichlorobenzene	0.17	1.0		U
541-73-1	1,3-Dichlorobenzene	0.21	1.0		U
106-46-7	1,4-Dichlorobenzene	0.12	1.0		U
110-57-6	trans-1,4-Dichloro-2-butene	0.60	5.0		U
75-71-8	Dichlorodifluoromethane	0.24	2.0		U
75-34-3	1,1-Dichloroethane	0.15	1.0		U
107-06-2	1,2-Dichloroethane	0.15	1.0		U
75-35-4	1,1-Dichloroethene	0.42	1.0		U
156-59-2	cis-1,2-Dichloroethene	0.44	1.0		U
156-60-5	trans-1,2-Dichloroethene	0.40	1.0		U
78-87-5	1,2-Dichloropropane	0.18	1.0		U
10061-01-5	cis-1,3-Dichloropropene	0.13	1.0		U
10061-02-6	trans-1,3-Dichloropropene	0.22	1.0		U
123-91-1	1,4-Dioxane	0.20	20		U
100-41-4	Ethylbenzene	0.14	1.0		U
97-63-2	Ethyl methacrylate	0.21	1.0		U
591-78-6	2-Hexanone	0.83	5.0		U
74-88-4	Iodomethane	0.19	5.0		U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

V4BLK1215E

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW001

Matrix: (soil/water) WATER Lab Sample ID: V4BLK1215E

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V4BLK01E

Level: (low/med) LOW Date Sampled: _____

% Moisture: not dec. _____ Date Analyzed: 12/15/06 21:48

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
78-83-1	Isobutyl alcohol	0.20	10		U
98-82-8	Isopropylbenzene	0.25	1.0		U
79-20-9	Methyl acetate	0.87	1.0		U
126-98-7	Methacrylonitrile	0.20	5.0		U
108-87-2	Methyl cyclohexane	0.20	1.0		U
75-09-2	Methylene chloride	0.26	2.0		U
80-62-6	Methyl methacrylate	0.35	1.0		U
108-10-1	4-Methyl-2-pentanone	1.4	5.0		U
1634-04-4	MTBE	0.17	1.0		U
107-12-0	Propionitrile	0.20	5.0		U
100-42-5	Styrene	0.22	1.0		U
630-20-6	1,1,1,2-Tetrachloroethane	0.19	1.0		U
79-34-5	1,1,2,2-Tetrachloroethane	0.22	1.0		U
127-18-4	Tetrachloroethene	0.14	1.0		U
108-88-3	Toluene	0.18	1.0		U
87-61-6	1,2,3-Trichlorobenzene	0.16	1.0		U
120-82-1	1,2,4-Trichlorobenzene	0.14	1.0		U
71-55-6	1,1,1-Trichloroethane	0.15	1.0		U
79-00-5	1,1,2-Trichloroethane	0.17	1.0		U
79-01-6	Trichloroethene	0.28	1.0		U
76-13-1	Trichlorotrifluoroethane	0.22	1.0		U
75-69-4	Trichlorofluoromethane	0.15	2.0		U
96-18-4	1,2,3-Trichloropropane	0.31	1.0		U
108-05-4	Vinyl acetate	1.3	5.0		U
75-01-4	Vinyl chloride	0.19	1.0		U
108-38-3	m,p-Xylene	0.26	1.0		U
95-47-6	o-Xylene	0.21	1.0		U
1330-20-7	Xylene(total)	0.21	1.0		U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW06S-001

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW001

Matrix: (soil/water) WATER Lab Sample ID: 0612069-01

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 1206901

Level: (low/med) LOW Date Sampled: 12/06/06 13:00

% Moisture: not dec. _____ Date Analyzed: 12/16/06 03:37

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
67-64-1	Acetone	1.1	10	5.4	I
75-05-8	Acetonitrile	0.20	5.0		U
107-02-8	Acrolein	4.1	5.0		U
107-13-1	Acrylonitrile	0.95	5.0		U
107-05-1	Allyl chloride	0.20	1.0		U
71-43-2	Benzene	0.11	1.0	0.26	I
75-27-4	Bromodichloromethane	0.24	1.0		U
75-25-2	Bromoform	0.24	1.0		U
74-83-9	Bromomethane	0.33	2.0		U
78-93-3	2-Butanone	1.2	10		U
75-15-0	Carbon disulfide	0.13	1.0		U
56-23-5	Carbon tetrachloride	0.14	1.0		U
108-90-7	Chlorobenzene	0.28	1.0		U
75-00-3	Chloroethane	0.38	2.0		U
67-66-3	Chloroform	0.15	1.0	0.36	IV
74-87-3	Chloromethane	0.18	2.0		U
126-99-8	Chloroprene	0.20	1.0		U
110-82-7	Cyclohexane	0.18	2.0		U
124-48-1	Dibromochloromethane	0.20	1.0		U
96-12-8	1,2-Dibromo-3-chloropropane	0.28	2.0		U
74-95-3	Dibromomethane	0.14	1.0		U
95-50-1	1,2-Dichlorobenzene	0.17	1.0		U
541-73-1	1,3-Dichlorobenzene	0.21	1.0		U
106-46-7	1,4-Dichlorobenzene	0.12	1.0		U
110-57-6	trans-1,4-Dichloro-2-butene	0.60	5.0		U
75-71-8	Dichlorodifluoromethane	0.24	2.0		U
75-34-3	1,1-Dichloroethane	0.15	1.0		U
107-06-2	1,2-Dichloroethane	0.15	1.0		U
75-35-4	1,1-Dichloroethene	0.42	1.0		U
156-59-2	cis-1,2-Dichloroethene	0.44	1.0		U
156-60-5	trans-1,2-Dichloroethene	0.40	1.0		U
78-87-5	1,2-Dichloropropane	0.18	1.0		U
10061-01-5	cis-1,3-Dichloropropene	0.13	1.0		U
10061-02-6	trans-1,3-Dichloropropene	0.22	1.0		U
123-91-1	1,4-Dioxane	0.20	20		U
100-41-4	Ethylbenzene	0.14	1.0		U
97-63-2	Ethyl methacrylate	0.21	1.0		U
591-78-6	2-Hexanone	0.83	5.0		U
74-88-4	Iodomethane	0.19	5.0		U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW06S-001

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW001

Matrix: (soil/water) WATER Lab Sample ID: 0612069-01

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 1206901

Level: (low/med) LOW Date Sampled: 12/06/06 13:00

% Moisture: not dec. _____ Date Analyzed: 12/16/06 03:37

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
78-83-1	Isobutyl alcohol	0.20	10		U
98-82-8	Isopropylbenzene	0.25	1.0		U
79-20-9	Methyl acetate	0.87	1.0		U
126-98-7	Methacrylonitrile	0.20	5.0		U
108-87-2	Methyl cyclohexane	0.20	1.0		U
75-09-2	Methylene chloride	0.26	2.0		U
80-62-6	Methyl methacrylate	0.35	1.0		U
108-10-1	4-Methyl-2-pentanone	1.4	5.0		U
1634-04-4	MTBE	0.17	1.0		U
107-12-0	Propionitrile	0.20	5.0		U
100-42-5	Styrene	0.22	1.0		U
630-20-6	1,1,1,2-Tetrachloroethane	0.19	1.0		U
79-34-5	1,1,2,2-Tetrachloroethane	0.22	1.0		U
127-18-4	Tetrachloroethene	0.14	1.0		U
108-88-3	Toluene	0.18	1.0	0.32	I
87-61-6	1,2,3-Trichlorobenzene	0.16	1.0		U
120-82-1	1,2,4-Trichlorobenzene	0.14	1.0		U
71-55-6	1,1,1-Trichloroethane	0.15	1.0		U
79-00-5	1,1,2-Trichloroethane	0.17	1.0		U
79-01-6	Trichloroethene	0.28	1.0		U
76-13-1	Trichlorotrifluoroethane	0.22	1.0		U
75-69-4	Trichlorofluoromethane	0.15	2.0		U
96-18-4	1,2,3-Trichloropropane	0.31	1.0		U
108-05-4	Vinyl acetate	1.3	5.0		U
75-01-4	Vinyl chloride	0.19	1.0		U
108-38-3	m,p-Xylene	0.26	1.0		U
95-47-6	o-Xylene	0.21	1.0		U
1330-20-7	Xylene(total)	0.21	1.0		U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

TRIP BLANK 4306

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW001

Matrix: (soil/water) WATER Lab Sample ID: 0612069-02

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 1206902

Level: (low/med) LOW Date Sampled: 12/06/06 :

% Moisture: not dec. _____ Date Analyzed: 12/15/06 22:51

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
67-64-1	Acetone	1.1	10	5.5	I
75-05-8	Acetonitrile	0.20	5.0		U
107-02-8	Acrolein	4.1	5.0		U
107-13-1	Acrylonitrile	0.95	5.0		U
107-05-1	Allyl chloride	0.20	1.0		U
71-43-2	Benzene	0.11	1.0		U
75-27-4	Bromodichloromethane	0.24	1.0		U
75-25-2	Bromoform	0.24	1.0		U
74-83-9	Bromomethane	0.33	2.0		U
78-93-3	2-Butanone	1.2	10		U
75-15-0	Carbon disulfide	0.13	1.0		U
56-23-5	Carbon tetrachloride	0.14	1.0		U
108-90-7	Chlorobenzene	0.28	1.0		U
75-00-3	Chloroethane	0.38	2.0		U
67-66-3	Chloroform	0.15	1.0		U
74-87-3	Chloromethane	0.18	2.0		U
126-99-8	Chloroprene	0.20	1.0		U
110-82-7	Cyclohexane	0.18	2.0		U
124-48-1	Dibromochloromethane	0.20	1.0		U
96-12-8	1,2-Dibromo-3-chloropropane	0.28	2.0		U
74-95-3	Dibromomethane	0.14	1.0		U
95-50-1	1,2-Dichlorobenzene	0.17	1.0		U
541-73-1	1,3-Dichlorobenzene	0.21	1.0		U
106-46-7	1,4-Dichlorobenzene	0.12	1.0		U
110-57-6	trans-1,4-Dichloro-2-butene	0.60	5.0		U
75-71-8	Dichlorodifluoromethane	0.24	2.0		U
75-34-3	1,1-Dichloroethane	0.15	1.0		U
107-06-2	1,2-Dichloroethane	0.15	1.0		U
75-35-4	1,1-Dichloroethene	0.42	1.0		U
156-59-2	cis-1,2-Dichloroethene	0.44	1.0		U
156-60-5	trans-1,2-Dichloroethene	0.40	1.0		U
78-87-5	1,2-Dichloropropane	0.18	1.0		U
10061-01-5	cis-1,3-Dichloropropene	0.13	1.0		U
10061-02-6	trans-1,3-Dichloropropene	0.22	1.0		U
123-91-1	1,4-Dioxane	0.20	20		U
100-41-4	Ethylbenzene	0.14	1.0		U
97-63-2	Ethyl methacrylate	0.21	1.0		U
591-78-6	2-Hexanone	0.83	5.0		U
74-88-4	Iodomethane	0.19	5.0		U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

TRIP BLANK 4306

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW001

Matrix: (soil/water) WATER Lab Sample ID: 0612069-02

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 1206902

Level: (low/med) LOW Date Sampled: 12/06/06 :

% Moisture: not dec. _____ Date Analyzed: 12/15/06 22:51

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
78-83-1	Isobutyl alcohol	0.20	10		U
98-82-8	Isopropylbenzene	0.25	1.0		U
79-20-9	Methyl acetate	0.87	1.0		U
126-98-7	Methacrylonitrile	0.20	5.0		U
108-87-2	Methyl cyclohexane	0.20	1.0		U
75-09-2	Methylene chloride	0.26	2.0		U
80-62-6	Methyl methacrylate	0.35	1.0		U
108-10-1	4-Methyl-2-pentanone	1.4	5.0		U
1634-04-4	MTBE	0.17	1.0		U
107-12-0	Propionitrile	0.20	5.0		U
100-42-5	Styrene	0.22	1.0		U
630-20-6	1,1,1,2-Tetrachloroethane	0.19	1.0		U
79-34-5	1,1,2,2-Tetrachloroethane	0.22	1.0		U
127-18-4	Tetrachloroethene	0.14	1.0		U
108-88-3	Toluene	0.18	1.0		U
87-61-6	1,2,3-Trichlorobenzene	0.16	1.0		U
120-82-1	1,2,4-Trichlorobenzene	0.14	1.0		U
71-55-6	1,1,1-Trichloroethane	0.15	1.0		U
79-00-5	1,1,2-Trichloroethane	0.17	1.0		U
79-01-6	Trichloroethene	0.28	1.0		U
76-13-1	Trichlorotrifluoroethane	0.22	1.0		U
75-69-4	Trichlorofluoromethane	0.15	2.0		U
96-18-4	1,2,3-Trichloropropane	0.31	1.0		U
108-05-4	Vinyl acetate	1.3	5.0		U
75-01-4	Vinyl chloride	0.19	1.0		U
108-38-3	m,p-Xylene	0.26	1.0		U
95-47-6	o-Xylene	0.21	1.0		U
1330-20-7	Xylene(total)	0.21	1.0		U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW03S-001

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW001

Matrix: (soil/water) WATER Lab Sample ID: 0612069-03

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 1206903

Level: (low/med) LOW Date Sampled: 12/06/06 17:00

% Moisture: not dec. _____ Date Analyzed: 12/16/06 04:09

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
67-64-1	Acetone	1.1	10	3.2	I
75-05-8	Acetonitrile	0.20	5.0		U
107-02-8	Acrolein	4.1	5.0		U
107-13-1	Acrylonitrile	0.95	5.0		U
107-05-1	Allyl chloride	0.20	1.0		U
71-43-2	Benzene	0.11	1.0	0.11	I
75-27-4	Bromodichloromethane	0.24	1.0		U
75-25-2	Bromoform	0.24	1.0		U
74-83-9	Bromomethane	0.33	2.0		U
78-93-3	2-Butanone	1.2	10		U
75-15-0	Carbon disulfide	0.13	1.0		U
56-23-5	Carbon tetrachloride	0.14	1.0		U
108-90-7	Chlorobenzene	0.28	1.0		U
75-00-3	Chloroethane	0.38	2.0		U
67-66-3	Chloroform	0.15	1.0	0.40	IV
74-87-3	Chloromethane	0.18	2.0		U
126-99-8	Chloroprene	0.20	1.0		U
110-82-7	Cyclohexane	0.18	2.0		U
124-48-1	Dibromochloromethane	0.20	1.0		U
96-12-8	1,2-Dibromo-3-chloropropane	0.28	2.0		U
74-95-3	Dibromomethane	0.14	1.0		U
95-50-1	1,2-Dichlorobenzene	0.17	1.0		U
541-73-1	1,3-Dichlorobenzene	0.21	1.0		U
106-46-7	1,4-Dichlorobenzene	0.12	1.0		U
110-57-6	trans-1,4-Dichloro-2-butene	0.60	5.0		U
75-71-8	Dichlorodifluoromethane	0.24	2.0		U
75-34-3	1,1-Dichloroethane	0.15	1.0		U
107-06-2	1,2-Dichloroethane	0.15	1.0		U
75-35-4	1,1-Dichloroethene	0.42	1.0		U
156-59-2	cis-1,2-Dichloroethene	0.44	1.0		U
156-60-5	trans-1,2-Dichloroethene	0.40	1.0		U
78-87-5	1,2-Dichloropropane	0.18	1.0		U
10061-01-5	cis-1,3-Dichloropropene	0.13	1.0		U
10061-02-6	trans-1,3-Dichloropropene	0.22	1.0		U
123-91-1	1,4-Dioxane	0.20	20		U
100-41-4	Ethylbenzene	0.14	1.0		U
97-63-2	Ethyl methacrylate	0.21	1.0		U
591-78-6	2-Hexanone	0.83	5.0		U
74-88-4	Iodomethane	0.19	5.0		U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW03S-001

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW001

Matrix: (soil/water) WATER Lab Sample ID: 0612069-03

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 1206903

Level: (low/med) LOW Date Sampled: 12/06/06 17:00

% Moisture: not dec. _____ Date Analyzed: 12/16/06 04:09

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
78-83-1	Isobutyl alcohol	0.20	10		U
98-82-8	Isopropylbenzene	0.25	1.0		U
79-20-9	Methyl acetate	0.87	1.0		U
126-98-7	Methacrylonitrile	0.20	5.0		U
108-87-2	Methyl cyclohexane	0.20	1.0		U
75-09-2	Methylene chloride	0.26	2.0		U
80-62-6	Methyl methacrylate	0.35	1.0		U
108-10-1	4-Methyl-2-pentanone	1.4	5.0		U
1634-04-4	MTBE	0.17	1.0		U
107-12-0	Propionitrile	0.20	5.0		U
100-42-5	Styrene	0.22	1.0		U
630-20-6	1,1,1,2-Tetrachloroethane	0.19	1.0		U
79-34-5	1,1,2,2-Tetrachloroethane	0.22	1.0		U
127-18-4	Tetrachloroethene	0.14	1.0		U
108-88-3	Toluene	0.18	1.0	0.23	I
87-61-6	1,2,3-Trichlorobenzene	0.16	1.0		U
120-82-1	1,2,4-Trichlorobenzene	0.14	1.0		U
71-55-6	1,1,1-Trichloroethane	0.15	1.0		U
79-00-5	1,1,2-Trichloroethane	0.17	1.0		U
79-01-6	Trichloroethene	0.28	1.0		U
76-13-1	Trichlorotrifluoroethane	0.22	1.0		U
75-69-4	Trichlorofluoromethane	0.15	2.0		U
96-18-4	1,2,3-Trichloropropane	0.31	1.0		U
108-05-4	Vinyl acetate	1.3	5.0		U
75-01-4	Vinyl chloride	0.19	1.0		U
108-38-3	m,p-Xylene	0.26	1.0		U
95-47-6	o-Xylene	0.21	1.0		U
1330-20-7	Xylene(total)	0.21	1.0		U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW085-001

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW001

Matrix: (soil/water) WATER Lab Sample ID: 0612081-01

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 1208101

Level: (low/med) LOW Date Sampled: 12/07/06 12:00

% Moisture: not dec. _____ Date Analyzed: 12/16/06 00:59

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
67-64-1	Acetone	1.1	10	6.5	I
75-05-8	Acetonitrile	0.20	5.0		U
107-02-8	Acrolein	4.1	5.0		U
107-13-1	Acrylonitrile	0.95	5.0		U
107-05-1	Allyl chloride	0.20	1.0		U
71-43-2	Benzene	0.11	1.0	0.93	I
75-27-4	Bromodichloromethane	0.24	1.0	0.54	I
75-25-2	Bromoform	0.24	1.0		U
74-83-9	Bromomethane	0.33	2.0		U
78-93-3	2-Butanone	1.2	10		U
75-15-0	Carbon disulfide	0.13	1.0		U
56-23-5	Carbon tetrachloride	0.14	1.0		U
108-90-7	Chlorobenzene	0.28	1.0		U
75-00-3	Chloroethane	0.38	2.0		U
67-66-3	Chloroform	0.15	1.0	1.2	V
74-87-3	Chloromethane	0.18	2.0	0.34	IV
126-99-8	Chloroprene	0.20	1.0		U
110-82-7	Cyclohexane	0.18	2.0		U
124-48-1	Dibromochloromethane	0.20	1.0	0.38	I
96-12-8	1,2-Dibromo-3-chloropropane	0.28	2.0		U
74-95-3	Dibromomethane	0.14	1.0		U
95-50-1	1,2-Dichlorobenzene	0.17	1.0		U
541-73-1	1,3-Dichlorobenzene	0.21	1.0		U
106-46-7	1,4-Dichlorobenzene	0.12	1.0		U
110-57-6	trans-1,4-Dichloro-2-butene	0.60	5.0		U
75-71-8	Dichlorodifluoromethane	0.24	2.0		U
75-34-3	1,1-Dichloroethane	0.15	1.0		U
107-06-2	1,2-Dichloroethane	0.15	1.0		U
75-35-4	1,1-Dichloroethene	0.42	1.0		U
156-59-2	cis-1,2-Dichloroethene	0.44	1.0		U
156-60-5	trans-1,2-Dichloroethene	0.40	1.0		U
78-87-5	1,2-Dichloropropane	0.18	1.0		U
10061-01-5	cis-1,3-Dichloropropene	0.13	1.0		U
10061-02-6	trans-1,3-Dichloropropene	0.22	1.0		U
123-91-1	1,4-Dioxane	0.20	20		U
100-41-4	Ethylbenzene	0.14	1.0	0.16	I
97-63-2	Ethyl methacrylate	0.21	1.0		U
591-78-6	2-Hexanone	0.83	5.0		U
74-88-4	Iodomethane	0.19	5.0		U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW085-001

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW001

Matrix: (soil/water) WATER Lab Sample ID: 0612081-01

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 1208101

Level: (low/med) LOW Date Sampled: 12/07/06 12:00

% Moisture: not dec. _____ Date Analyzed: 12/16/06 00:59

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
78-83-1	Isobutyl alcohol	0.20	10		U
98-82-8	Isopropylbenzene	0.25	1.0		U
79-20-9	Methyl acetate	0.87	1.0		U
126-98-7	Methacrylonitrile	0.20	5.0		U
108-87-2	Methyl cyclohexane	0.20	1.0		U
75-09-2	Methylene chloride	0.26	2.0		U
80-62-6	Methyl methacrylate	0.35	1.0		U
108-10-1	4-Methyl-2-pentanone	1.4	5.0		U
1634-04-4	MTBE	0.17	1.0		U
107-12-0	Propionitrile	0.20	5.0		U
100-42-5	Styrene	0.22	1.0		U
630-20-6	1,1,1,2-Tetrachloroethane	0.19	1.0		U
79-34-5	1,1,2,2-Tetrachloroethane	0.22	1.0		U
127-18-4	Tetrachloroethene	0.14	1.0		U
108-88-3	Toluene	0.18	1.0	0.87	I
87-61-6	1,2,3-Trichlorobenzene	0.16	1.0		U
120-82-1	1,2,4-Trichlorobenzene	0.14	1.0		U
71-55-6	1,1,1-Trichloroethane	0.15	1.0		U
79-00-5	1,1,2-Trichloroethane	0.17	1.0		U
79-01-6	Trichloroethene	0.28	1.0		U
76-13-1	Trichlorotrifluoroethane	0.22	1.0		U
75-69-4	Trichlorofluoromethane	0.15	2.0		U
96-18-4	1,2,3-Trichloropropane	0.31	1.0		U
108-05-4	Vinyl acetate	1.3	5.0		U
75-01-4	Vinyl chloride	0.19	1.0		U
108-38-3	m,p-Xylene	0.26	1.0	0.50	I
95-47-6	o-Xylene	0.21	1.0	0.26	I
1330-20-7	Xylene(total)	0.21	1.0	0.73	I

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW
085-001-D

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW001

Matrix: (soil/water) WATER Lab Sample ID: 0612081-02

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 1208102

Level: (low/med) LOW Date Sampled: 12/07/06 12:00

% Moisture: not dec. _____ Date Analyzed: 12/16/06 01:30

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
67-64-1	Acetone	1.1	10	6.2	I
75-05-8	Acetonitrile	0.20	5.0		U
107-02-8	Acrolein	4.1	5.0		U
107-13-1	Acrylonitrile	0.95	5.0		U
107-05-1	Allyl chloride	0.20	1.0		U
71-43-2	Benzene	0.11	1.0	0.66	I
75-27-4	Bromodichloromethane	0.24	1.0	0.24	I
75-25-2	Bromoform	0.24	1.0		U
74-83-9	Bromomethane	0.33	2.0		U
78-93-3	2-Butanone	1.2	10		U
75-15-0	Carbon disulfide	0.13	1.0		U
56-23-5	Carbon tetrachloride	0.14	1.0		U
108-90-7	Chlorobenzene	0.28	1.0		U
75-00-3	Chloroethane	0.38	2.0		U
67-66-3	Chloroform	0.15	1.0	1.3	V
74-87-3	Chloromethane	0.18	2.0	0.27	IV
126-99-8	Chloroprene	0.20	1.0		U
110-82-7	Cyclohexane	0.18	2.0		U
124-48-1	Dibromochloromethane	0.20	1.0		U
96-12-8	1,2-Dibromo-3-chloropropane	0.28	2.0		U
74-95-3	Dibromomethane	0.14	1.0		U
95-50-1	1,2-Dichlorobenzene	0.17	1.0		U
541-73-1	1,3-Dichlorobenzene	0.21	1.0		U
106-46-7	1,4-Dichlorobenzene	0.12	1.0		U
110-57-6	trans-1,4-Dichloro-2-butene	0.60	5.0		U
75-71-8	Dichlorodifluoromethane	0.24	2.0		U
75-34-3	1,1-Dichloroethane	0.15	1.0		U
107-06-2	1,2-Dichloroethane	0.15	1.0		U
75-35-4	1,1-Dichloroethene	0.42	1.0		U
156-59-2	cis-1,2-Dichloroethene	0.44	1.0		U
156-60-5	trans-1,2-Dichloroethene	0.40	1.0		U
78-87-5	1,2-Dichloropropane	0.18	1.0		U
10061-01-5	cis-1,3-Dichloropropene	0.13	1.0		U
10061-02-6	trans-1,3-Dichloropropene	0.22	1.0		U
123-91-1	1,4-Dioxane	0.20	20		U
100-41-4	Ethylbenzene	0.14	1.0		U
97-63-2	Ethyl methacrylate	0.21	1.0		U
591-78-6	2-Hexanone	0.83	5.0		U
74-88-4	Iodomethane	0.19	5.0		U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.
OLFS4-MW
085-001-D

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW001

Matrix: (soil/water) WATER Lab Sample ID: 0612081-02

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 1208102

Level: (low/med) LOW Date Sampled: 12/07/06 12:00

% Moisture: not dec. _____ Date Analyzed: 12/16/06 01:30

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
78-83-1	Isobutyl alcohol	0.20	10		U
98-82-8	Isopropylbenzene	0.25	1.0		U
79-20-9	Methyl acetate	0.87	1.0		U
126-98-7	Methacrylonitrile	0.20	5.0		U
108-87-2	Methyl cyclohexane	0.20	1.0		U
75-09-2	Methylene chloride	0.26	2.0		U
80-62-6	Methyl methacrylate	0.35	1.0		U
108-10-1	4-Methyl-2-pentanone	1.4	5.0		U
1634-04-4	MTBE	0.17	1.0		U
107-12-0	Propionitrile	0.20	5.0		U
100-42-5	Styrene	0.22	1.0		U
630-20-6	1,1,1,2-Tetrachloroethane	0.19	1.0		U
79-34-5	1,1,2,2-Tetrachloroethane	0.22	1.0		U
127-18-4	Tetrachloroethene	0.14	1.0		U
108-88-3	Toluene	0.18	1.0	0.54	I
87-61-6	1,2,3-Trichlorobenzene	0.16	1.0		U
120-82-1	1,2,4-Trichlorobenzene	0.14	1.0		U
71-55-6	1,1,1-Trichloroethane	0.15	1.0		U
79-00-5	1,1,2-Trichloroethane	0.17	1.0		U
79-01-6	Trichloroethene	0.28	1.0		U
76-13-1	Trichlorotrifluoroethane	0.22	1.0		U
75-69-4	Trichlorofluoromethane	0.15	2.0		U
96-18-4	1,2,3-Trichloropropane	0.31	1.0		U
108-05-4	Vinyl acetate	1.3	5.0		U
75-01-4	Vinyl chloride	0.19	1.0		U
108-38-3	m,p-Xylene	0.26	1.0	0.30	I
95-47-6	o-Xylene	0.21	1.0		U
1330-20-7	Xylene(total)	0.21	1.0	0.28	I

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

TRIP BLANK 4309

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW001

Matrix: (soil/water) WATER Lab Sample ID: 0612081-03

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 1208103

Level: (low/med) LOW Date Sampled: 12/07/06 :

% Moisture: not dec. _____ Date Analyzed: 12/15/06 23:23

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
67-64-1	Acetone	1.1	10	5.8	I
75-05-8	Acetonitrile	0.20	5.0		U
107-02-8	Acrolein	4.1	5.0		U
107-13-1	Acrylonitrile	0.95	5.0		U
107-05-1	Allyl chloride	0.20	1.0		U
71-43-2	Benzene	0.11	1.0		U
75-27-4	Bromodichloromethane	0.24	1.0		U
75-25-2	Bromoform	0.24	1.0		U
74-83-9	Bromomethane	0.33	2.0		U
78-93-3	2-Butanone	1.2	10		U
75-15-0	Carbon disulfide	0.13	1.0		U
56-23-5	Carbon tetrachloride	0.14	1.0		U
108-90-7	Chlorobenzene	0.28	1.0		U
75-00-3	Chloroethane	0.38	2.0		U
67-66-3	Chloroform	0.15	1.0		U
74-87-3	Chloromethane	0.18	2.0		U
126-99-8	Chloroprene	0.20	1.0		U
110-82-7	Cyclohexane	0.18	2.0		U
124-48-1	Dibromochloromethane	0.20	1.0		U
96-12-8	1,2-Dibromo-3-chloropropane	0.28	2.0		U
74-95-3	Dibromomethane	0.14	1.0		U
95-50-1	1,2-Dichlorobenzene	0.17	1.0		U
541-73-1	1,3-Dichlorobenzene	0.21	1.0		U
106-46-7	1,4-Dichlorobenzene	0.12	1.0		U
110-57-6	trans-1,4-Dichloro-2-butene	0.60	5.0		U
75-71-8	Dichlorodifluoromethane	0.24	2.0		U
75-34-3	1,1-Dichloroethane	0.15	1.0		U
107-06-2	1,2-Dichloroethane	0.15	1.0		U
75-35-4	1,1-Dichloroethene	0.42	1.0		U
156-59-2	cis-1,2-Dichloroethene	0.44	1.0		U
156-60-5	trans-1,2-Dichloroethene	0.40	1.0		U
78-87-5	1,2-Dichloropropane	0.18	1.0		U
10061-01-5	cis-1,3-Dichloropropene	0.13	1.0		U
10061-02-6	trans-1,3-Dichloropropene	0.22	1.0		U
123-91-1	1,4-Dioxane	0.20	20		U
100-41-4	Ethylbenzene	0.14	1.0		U
97-63-2	Ethyl methacrylate	0.21	1.0		U
591-78-6	2-Hexanone	0.83	5.0		U
74-88-4	Iodomethane	0.19	5.0		U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

TRIP BLANK 4309

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW001

Matrix: (soil/water) WATER Lab Sample ID: 0612081-03

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 1208103

Level: (low/med) LOW Date Sampled: 12/07/06 :

% Moisture: not dec. _____ Date Analyzed: 12/15/06 23:23

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
78-83-1	Isobutyl alcohol	0.20	10		U
98-82-8	Isopropylbenzene	0.25	1.0		U
79-20-9	Methyl acetate	0.87	1.0		U
126-98-7	Methacrylonitrile	0.20	5.0		U
108-87-2	Methyl cyclohexane	0.20	1.0		U
75-09-2	Methylene chloride	0.26	2.0		U
80-62-6	Methyl methacrylate	0.35	1.0		U
108-10-1	4-Methyl-2-pentanone	1.4	5.0		U
1634-04-4	MTBE	0.17	1.0		U
107-12-0	Propionitrile	0.20	5.0		U
100-42-5	Styrene	0.22	1.0		U
630-20-6	1,1,1,2-Tetrachloroethane	0.19	1.0		U
79-34-5	1,1,2,2-Tetrachloroethane	0.22	1.0		U
127-18-4	Tetrachloroethene	0.14	1.0		U
108-88-3	Toluene	0.18	1.0		U
87-61-6	1,2,3-Trichlorobenzene	0.16	1.0		U
120-82-1	1,2,4-Trichlorobenzene	0.14	1.0		U
71-55-6	1,1,1-Trichloroethane	0.15	1.0		U
79-00-5	1,1,2-Trichloroethane	0.17	1.0		U
79-01-6	Trichloroethene	0.28	1.0		U
76-13-1	Trichlorotrifluoroethane	0.22	1.0		U
75-69-4	Trichlorofluoromethane	0.15	2.0		U
96-18-4	1,2,3-Trichloropropane	0.31	1.0		U
108-05-4	Vinyl acetate	1.3	5.0		U
75-01-4	Vinyl chloride	0.19	1.0		U
108-38-3	m,p-Xylene	0.26	1.0		U
95-47-6	o-Xylene	0.21	1.0		U
1330-20-7	Xylene(total)	0.21	1.0		U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW5S-001

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW001

Matrix: (soil/water) WATER Lab Sample ID: 0612081-04

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 1208104

Level: (low/med) LOW Date Sampled: 12/07/06 17:30

% Moisture: not dec. _____ Date Analyzed: 12/16/06 02:02

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
67-64-1	Acetone	1.1	10	3.2	I
75-05-8	Acetonitrile	0.20	5.0		U
107-02-8	Acrolein	4.1	5.0		U
107-13-1	Acrylonitrile	0.95	5.0		U
107-05-1	Allyl chloride	0.20	1.0		U
71-43-2	Benzene	0.11	1.0	4.9	
75-27-4	Bromodichloromethane	0.24	1.0		U
75-25-2	Bromoform	0.24	1.0		U
74-83-9	Bromomethane	0.33	2.0		U
78-93-3	2-Butanone	1.2	10		U
75-15-0	Carbon disulfide	0.13	1.0		U
56-23-5	Carbon tetrachloride	0.14	1.0		U
108-90-7	Chlorobenzene	0.28	1.0		U
75-00-3	Chloroethane	0.38	2.0		U
67-66-3	Chloroform	0.15	1.0	1.1	V
74-87-3	Chloromethane	0.18	2.0	0.33	IV
126-99-8	Chloroprene	0.20	1.0		U
110-82-7	Cyclohexane	0.18	2.0	0.41	I
124-48-1	Dibromochloromethane	0.20	1.0		U
96-12-8	1,2-Dibromo-3-chloropropane	0.28	2.0		U
74-95-3	Dibromomethane	0.14	1.0		U
95-50-1	1,2-Dichlorobenzene	0.17	1.0		U
541-73-1	1,3-Dichlorobenzene	0.21	1.0		U
106-46-7	1,4-Dichlorobenzene	0.12	1.0		U
110-57-6	trans-1,4-Dichloro-2-butene	0.60	5.0		U
75-71-8	Dichlorodifluoromethane	0.24	2.0		U
75-34-3	1,1-Dichloroethane	0.15	1.0	5.2	
107-06-2	1,2-Dichloroethane	0.15	1.0		U
75-35-4	1,1-Dichloroethene	0.42	1.0		U
156-59-2	cis-1,2-Dichloroethene	0.44	1.0	77	
156-60-5	trans-1,2-Dichloroethene	0.40	1.0		U
78-87-5	1,2-Dichloropropane	0.18	1.0		U
10061-01-5	cis-1,3-Dichloropropene	0.13	1.0		U
10061-02-6	trans-1,3-Dichloropropene	0.22	1.0		U
123-91-1	1,4-Dioxane	0.20	20		U
100-41-4	Ethylbenzene	0.14	1.0	4.6	
97-63-2	Ethyl methacrylate	0.21	1.0		U
591-78-6	2-Hexanone	0.83	5.0		U
74-88-4	Iodomethane	0.19	5.0		U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW5S-001

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW001

Matrix: (soil/water) WATER Lab Sample ID: 0612081-04

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 1208104

Level: (low/med) LOW Date Sampled: 12/07/06 17:30

% Moisture: not dec. _____ Date Analyzed: 12/16/06 02:02

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
78-83-1	Isobutyl alcohol	0.20	10		U
98-82-8	Isopropylbenzene	0.25	1.0	1.5	
79-20-9	Methyl acetate	0.87	1.0		U
126-98-7	Methacrylonitrile	0.20	5.0		U
108-87-2	Methyl cyclohexane	0.20	1.0		U
75-09-2	Methylene chloride	0.26	2.0		U
80-62-6	Methyl methacrylate	0.35	1.0		U
108-10-1	4-Methyl-2-pentanone	1.4	5.0		U
1634-04-4	MTBE	0.17	1.0		U
107-12-0	Propionitrile	0.20	5.0		U
100-42-5	Styrene	0.22	1.0		U
630-20-6	1,1,1,2-Tetrachloroethane	0.19	1.0		U
79-34-5	1,1,2,2-Tetrachloroethane	0.22	1.0		U
127-18-4	Tetrachloroethene	0.14	1.0		U
108-88-3	Toluene	0.18	1.0	1.1	
87-61-6	1,2,3-Trichlorobenzene	0.16	1.0		U
120-82-1	1,2,4-Trichlorobenzene	0.14	1.0		U
71-55-6	1,1,1-Trichloroethane	0.15	1.0		U
79-00-5	1,1,2-Trichloroethane	0.17	1.0		U
79-01-6	Trichloroethene	0.28	1.0		U
76-13-1	Trichlorotrifluoroethane	0.22	1.0		U
75-69-4	Trichlorofluoromethane	0.15	2.0		U
96-18-4	1,2,3-Trichloropropane	0.31	1.0		U
108-05-4	Vinyl acetate	1.3	5.0		U
75-01-4	Vinyl chloride	0.19	1.0	0.27	I
108-38-3	m,p-Xylene	0.26	1.0	21	
95-47-6	o-Xylene	0.21	1.0	1.3	
1330-20-7	Xylene(total)	0.21	1.0	21	

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.
OLSF4-MW
-16S-001

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW001

Matrix: (soil/water) WATER Lab Sample ID: 0612081-05

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 1208105

Level: (low/med) LOW Date Sampled: 12/07/06 16:00

% Moisture: not dec. _____ Date Analyzed: 12/16/06 02:34

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
67-64-1	Acetone	1.1	10	8.1	I
75-05-8	Acetonitrile	0.20	5.0		U
107-02-8	Acrolein	4.1	5.0		U
107-13-1	Acrylonitrile	0.95	5.0		U
107-05-1	Allyl chloride	0.20	1.0		U
71-43-2	Benzene	0.11	1.0	0.19	I
75-27-4	Bromodichloromethane	0.24	1.0	0.29	I
75-25-2	Bromoform	0.24	1.0		U
74-83-9	Bromomethane	0.33	2.0		U
78-93-3	2-Butanone	1.2	10		U
75-15-0	Carbon disulfide	0.13	1.0		U
56-23-5	Carbon tetrachloride	0.14	1.0		U
108-90-7	Chlorobenzene	0.28	1.0		U
75-00-3	Chloroethane	0.38	2.0		U
67-66-3	Chloroform	0.15	1.0	0.96	IV
74-87-3	Chloromethane	0.18	2.0		U
126-99-8	Chloroprene	0.20	1.0		U
110-82-7	Cyclohexane	0.18	2.0		U
124-48-1	Dibromochloromethane	0.20	1.0	0.38	I
96-12-8	1,2-Dibromo-3-chloropropane	0.28	2.0		U
74-95-3	Dibromomethane	0.14	1.0		U
95-50-1	1,2-Dichlorobenzene	0.17	1.0		U
541-73-1	1,3-Dichlorobenzene	0.21	1.0		U
106-46-7	1,4-Dichlorobenzene	0.12	1.0		U
110-57-6	trans-1,4-Dichloro-2-butene	0.60	5.0		U
75-71-8	Dichlorodifluoromethane	0.24	2.0		U
75-34-3	1,1-Dichloroethane	0.15	1.0		U
107-06-2	1,2-Dichloroethane	0.15	1.0		U
75-35-4	1,1-Dichloroethene	0.42	1.0		U
156-59-2	cis-1,2-Dichloroethene	0.44	1.0		U
156-60-5	trans-1,2-Dichloroethene	0.40	1.0		U
78-87-5	1,2-Dichloropropane	0.18	1.0		U
10061-01-5	cis-1,3-Dichloropropene	0.13	1.0		U
10061-02-6	trans-1,3-Dichloropropene	0.22	1.0		U
123-91-1	1,4-Dioxane	0.20	20		U
100-41-4	Ethylbenzene	0.14	1.0		U
97-63-2	Ethyl methacrylate	0.21	1.0		U
591-78-6	2-Hexanone	0.83	5.0		U
74-88-4	Iodomethane	0.19	5.0		U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.
OLSF4-MW
-16S-001

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW001

Matrix: (soil/water) WATER Lab Sample ID: 0612081-05

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 1208105

Level: (low/med) LOW Date Sampled: 12/07/06 16:00

% Moisture: not dec. _____ Date Analyzed: 12/16/06 02:34

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
78-83-1	Isobutyl alcohol	0.20	10		U
98-82-8	Isopropylbenzene	0.25	1.0		U
79-20-9	Methyl acetate	0.87	1.0		U
126-98-7	Methacrylonitrile	0.20	5.0		U
108-87-2	Methyl cyclohexane	0.20	1.0		U
75-09-2	Methylene chloride	0.26	2.0		U
80-62-6	Methyl methacrylate	0.35	1.0		U
108-10-1	4-Methyl-2-pentanone	1.4	5.0		U
1634-04-4	MTBE	0.17	1.0		U
107-12-0	Propionitrile	0.20	5.0		U
100-42-5	Styrene	0.22	1.0		U
630-20-6	1,1,1,2-Tetrachloroethane	0.19	1.0		U
79-34-5	1,1,2,2-Tetrachloroethane	0.22	1.0		U
127-18-4	Tetrachloroethene	0.14	1.0		U
108-88-3	Toluene	0.18	1.0	0.61	I
87-61-6	1,2,3-Trichlorobenzene	0.16	1.0		U
120-82-1	1,2,4-Trichlorobenzene	0.14	1.0		U
71-55-6	1,1,1-Trichloroethane	0.15	1.0		U
79-00-5	1,1,2-Trichloroethane	0.17	1.0		U
79-01-6	Trichloroethene	0.28	1.0		U
76-13-1	Trichlorotrifluoroethane	0.22	1.0		U
75-69-4	Trichlorofluoromethane	0.15	2.0		U
96-18-4	1,2,3-Trichloropropane	0.31	1.0		U
108-05-4	Vinyl acetate	1.3	5.0		U
75-01-4	Vinyl chloride	0.19	1.0		U
108-38-3	m,p-Xylene	0.26	1.0	0.36	I
95-47-6	o-Xylene	0.21	1.0		U
1330-20-7	Xylene(total)	0.21	1.0	0.34	I

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.
OLSF4-MW
-19S-001

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW001

Matrix: (soil/water) WATER Lab Sample ID: 0612081-06

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 1208106

Level: (low/med) LOW Date Sampled: 12/07/06 16:00

% Moisture: not dec. _____ Date Analyzed: 12/16/06 03:05

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
67-64-1	Acetone	1.1	10		U
75-05-8	Acetonitrile	0.20	5.0		U
107-02-8	Acrolein	4.1	5.0		U
107-13-1	Acrylonitrile	0.95	5.0		U
107-05-1	Allyl chloride	0.20	1.0		U
71-43-2	Benzene	0.11	1.0	0.18	I
75-27-4	Bromodichloromethane	0.24	1.0	0.36	I
75-25-2	Bromoform	0.24	1.0		U
74-83-9	Bromomethane	0.33	2.0		U
78-93-3	2-Butanone	1.2	10		U
75-15-0	Carbon disulfide	0.13	1.0		U
56-23-5	Carbon tetrachloride	0.14	1.0		U
108-90-7	Chlorobenzene	0.28	1.0		U
75-00-3	Chloroethane	0.38	2.0		U
67-66-3	Chloroform	0.15	1.0	0.45	IV
74-87-3	Chloromethane	0.18	2.0	0.22	IV
126-99-8	Chloroprene	0.20	1.0		U
110-82-7	Cyclohexane	0.18	2.0		U
124-48-1	Dibromochloromethane	0.20	1.0	0.35	I
96-12-8	1,2-Dibromo-3-chloropropane	0.28	2.0		U
74-95-3	Dibromomethane	0.14	1.0		U
95-50-1	1,2-Dichlorobenzene	0.17	1.0		U
541-73-1	1,3-Dichlorobenzene	0.21	1.0		U
106-46-7	1,4-Dichlorobenzene	0.12	1.0		U
110-57-6	trans-1,4-Dichloro-2-butene	0.60	5.0		U
75-71-8	Dichlorodifluoromethane	0.24	2.0		U
75-34-3	1,1-Dichloroethane	0.15	1.0		U
107-06-2	1,2-Dichloroethane	0.15	1.0		U
75-35-4	1,1-Dichloroethene	0.42	1.0		U
156-59-2	cis-1,2-Dichloroethene	0.44	1.0		U
156-60-5	trans-1,2-Dichloroethene	0.40	1.0		U
78-87-5	1,2-Dichloropropane	0.18	1.0		U
10061-01-5	cis-1,3-Dichloropropene	0.13	1.0		U
10061-02-6	trans-1,3-Dichloropropene	0.22	1.0		U
123-91-1	1,4-Dioxane	0.20	20		U
100-41-4	Ethylbenzene	0.14	1.0		U
97-63-2	Ethyl methacrylate	0.21	1.0		U
591-78-6	2-Hexanone	0.83	5.0		U
74-88-4	Iodomethane	0.19	5.0		U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.
OLSF4-MW
-19S-001

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW001

Matrix: (soil/water) WATER Lab Sample ID: 0612081-06

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 1208106

Level: (low/med) LOW Date Sampled: 12/07/06 16:00

% Moisture: not dec. _____ Date Analyzed: 12/16/06 03:05

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
78-83-1	Isobutyl alcohol	0.20	10		U
98-82-8	Isopropylbenzene	0.25	1.0		U
79-20-9	Methyl acetate	0.87	1.0		U
126-98-7	Methacrylonitrile	0.20	5.0		U
108-87-2	Methyl cyclohexane	0.20	1.0		U
75-09-2	Methylene chloride	0.26	2.0		U
80-62-6	Methyl methacrylate	0.35	1.0		U
108-10-1	4-Methyl-2-pentanone	1.4	5.0		U
1634-04-4	MTBE	0.17	1.0		U
107-12-0	Propionitrile	0.20	5.0		U
100-42-5	Styrene	0.22	1.0		U
630-20-6	1,1,1,2-Tetrachloroethane	0.19	1.0		U
79-34-5	1,1,2,2-Tetrachloroethane	0.22	1.0		U
127-18-4	Tetrachloroethene	0.14	1.0		U
108-88-3	Toluene	0.18	1.0	0.26	I
87-61-6	1,2,3-Trichlorobenzene	0.16	1.0		U
120-82-1	1,2,4-Trichlorobenzene	0.14	1.0		U
71-55-6	1,1,1-Trichloroethane	0.15	1.0		U
79-00-5	1,1,2-Trichloroethane	0.17	1.0		U
79-01-6	Trichloroethene	0.28	1.0		U
76-13-1	Trichlorotrifluoroethane	0.22	1.0		U
75-69-4	Trichlorofluoromethane	0.15	2.0		U
96-18-4	1,2,3-Trichloropropane	0.31	1.0		U
108-05-4	Vinyl acetate	1.3	5.0		U
75-01-4	Vinyl chloride	0.19	1.0		U
108-38-3	m,p-Xylene	0.26	1.0		U
95-47-6	o-Xylene	0.21	1.0		U
1330-20-7	Xylene(total)	0.21	1.0		U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

TRIP BLANK 4305

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW001

Matrix: (soil/water) WATER Lab Sample ID: 0612095-01

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 1209501

Level: (low/med) LOW Date Sampled: 12/08/06 :

% Moisture: not dec. _____ Date Analyzed: 12/15/06 23:55

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
67-64-1	Acetone	1.1	10	6.8	I
75-05-8	Acetonitrile	0.20	5.0		U
107-02-8	Acrolein	4.1	5.0		U
107-13-1	Acrylonitrile	0.95	5.0		U
107-05-1	Allyl chloride	0.20	1.0		U
71-43-2	Benzene	0.11	1.0		U
75-27-4	Bromodichloromethane	0.24	1.0		U
75-25-2	Bromoform	0.24	1.0		U
74-83-9	Bromomethane	0.33	2.0		U
78-93-3	2-Butanone	1.2	10		U
75-15-0	Carbon disulfide	0.13	1.0		U
56-23-5	Carbon tetrachloride	0.14	1.0		U
108-90-7	Chlorobenzene	0.28	1.0		U
75-00-3	Chloroethane	0.38	2.0		U
67-66-3	Chloroform	0.15	1.0		U
74-87-3	Chloromethane	0.18	2.0		U
126-99-8	Chloroprene	0.20	1.0		U
110-82-7	Cyclohexane	0.18	2.0		U
124-48-1	Dibromochloromethane	0.20	1.0		U
96-12-8	1,2-Dibromo-3-chloropropane	0.28	2.0		U
74-95-3	Dibromomethane	0.14	1.0		U
95-50-1	1,2-Dichlorobenzene	0.17	1.0		U
541-73-1	1,3-Dichlorobenzene	0.21	1.0		U
106-46-7	1,4-Dichlorobenzene	0.12	1.0		U
110-57-6	trans-1,4-Dichloro-2-butene	0.60	5.0		U
75-71-8	Dichlorodifluoromethane	0.24	2.0		U
75-34-3	1,1-Dichloroethane	0.15	1.0		U
107-06-2	1,2-Dichloroethane	0.15	1.0		U
75-35-4	1,1-Dichloroethene	0.42	1.0		U
156-59-2	cis-1,2-Dichloroethene	0.44	1.0		U
156-60-5	trans-1,2-Dichloroethene	0.40	1.0		U
78-87-5	1,2-Dichloropropane	0.18	1.0		U
10061-01-5	cis-1,3-Dichloropropene	0.13	1.0		U
10061-02-6	trans-1,3-Dichloropropene	0.22	1.0		U
123-91-1	1,4-Dioxane	0.20	20		U
100-41-4	Ethylbenzene	0.14	1.0		U
97-63-2	Ethyl methacrylate	0.21	1.0		U
591-78-6	2-Hexanone	0.83	5.0		U
74-88-4	Iodomethane	0.19	5.0		U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

TRIP BLANK 4305

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW001

Matrix: (soil/water) WATER Lab Sample ID: 0612095-01

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 1209501

Level: (low/med) LOW Date Sampled: 12/08/06 :

% Moisture: not dec. _____ Date Analyzed: 12/15/06 23:55

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
78-83-1	Isobutyl alcohol	0.20	10		U
98-82-8	Isopropylbenzene	0.25	1.0		U
79-20-9	Methyl acetate	0.87	1.0		U
126-98-7	Methacrylonitrile	0.20	5.0		U
108-87-2	Methyl cyclohexane	0.20	1.0		U
75-09-2	Methylene chloride	0.26	2.0		U
80-62-6	Methyl methacrylate	0.35	1.0		U
108-10-1	4-Methyl-2-pentanone	1.4	5.0		U
1634-04-4	MTBE	0.17	1.0		U
107-12-0	Propionitrile	0.20	5.0		U
100-42-5	Styrene	0.22	1.0		U
630-20-6	1,1,1,2-Tetrachloroethane	0.19	1.0		U
79-34-5	1,1,2,2-Tetrachloroethane	0.22	1.0		U
127-18-4	Tetrachloroethene	0.14	1.0		U
108-88-3	Toluene	0.18	1.0		U
87-61-6	1,2,3-Trichlorobenzene	0.16	1.0		U
120-82-1	1,2,4-Trichlorobenzene	0.14	1.0		U
71-55-6	1,1,1-Trichloroethane	0.15	1.0		U
79-00-5	1,1,2-Trichloroethane	0.17	1.0		U
79-01-6	Trichloroethene	0.28	1.0		U
76-13-1	Trichlorotrifluoroethane	0.22	1.0		U
75-69-4	Trichlorofluoromethane	0.15	2.0		U
96-18-4	1,2,3-Trichloropropane	0.31	1.0		U
108-05-4	Vinyl acetate	1.3	5.0		U
75-01-4	Vinyl chloride	0.19	1.0		U
108-38-3	m,p-Xylene	0.26	1.0		U
95-47-6	o-Xylene	0.21	1.0		U
1330-20-7	Xylene(total)	0.21	1.0		U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW07S-001

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW001

Matrix: (soil/water) WATER Lab Sample ID: 0612095-02

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 1209502

Level: (low/med) LOW Date Sampled: 12/08/06 16:00

% Moisture: not dec. _____ Date Analyzed: 12/16/06 00:27

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
67-64-1	Acetone	1.1	10		U
75-05-8	Acetonitrile	0.20	5.0		U
107-02-8	Acrolein	4.1	5.0		U
107-13-1	Acrylonitrile	0.95	5.0		U
107-05-1	Allyl chloride	0.20	1.0		U
71-43-2	Benzene	0.11	1.0	0.38	I
75-27-4	Bromodichloromethane	0.24	1.0		U
75-25-2	Bromoform	0.24	1.0		U
74-83-9	Bromomethane	0.33	2.0		U
78-93-3	2-Butanone	1.2	10		U
75-15-0	Carbon disulfide	0.13	1.0		U
56-23-5	Carbon tetrachloride	0.14	1.0		U
108-90-7	Chlorobenzene	0.28	1.0		U
75-00-3	Chloroethane	0.38	2.0		U
67-66-3	Chloroform	0.15	1.0	0.36	IV
74-87-3	Chloromethane	0.18	2.0		U
126-99-8	Chloroprene	0.20	1.0		U
110-82-7	Cyclohexane	0.18	2.0	1.6	I
124-48-1	Dibromochloromethane	0.20	1.0		U
96-12-8	1,2-Dibromo-3-chloropropane	0.28	2.0		U
74-95-3	Dibromomethane	0.14	1.0		U
95-50-1	1,2-Dichlorobenzene	0.17	1.0		U
541-73-1	1,3-Dichlorobenzene	0.21	1.0		U
106-46-7	1,4-Dichlorobenzene	0.12	1.0		U
110-57-6	trans-1,4-Dichloro-2-butene	0.60	5.0		U
75-71-8	Dichlorodifluoromethane	0.24	2.0		U
75-34-3	1,1-Dichloroethane	0.15	1.0		U
107-06-2	1,2-Dichloroethane	0.15	1.0		U
75-35-4	1,1-Dichloroethene	0.42	1.0		U
156-59-2	cis-1,2-Dichloroethene	0.44	1.0	1.1	
156-60-5	trans-1,2-Dichloroethene	0.40	1.0		U
78-87-5	1,2-Dichloropropane	0.18	1.0		U
10061-01-5	cis-1,3-Dichloropropene	0.13	1.0		U
10061-02-6	trans-1,3-Dichloropropene	0.22	1.0		U
123-91-1	1,4-Dioxane	0.20	20		U
100-41-4	Ethylbenzene	0.14	1.0	0.29	I
97-63-2	Ethyl methacrylate	0.21	1.0		U
591-78-6	2-Hexanone	0.83	5.0		U
74-88-4	Iodomethane	0.19	5.0		U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW07S-001

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW001

Matrix: (soil/water) WATER Lab Sample ID: 0612095-02

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 1209502

Level: (low/med) LOW Date Sampled: 12/08/06 16:00

% Moisture: not dec. _____ Date Analyzed: 12/16/06 00:27

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
78-83-1	Isobutyl alcohol	0.20	10		U
98-82-8	Isopropylbenzene	0.25	1.0	0.39	I
79-20-9	Methyl acetate	0.87	1.0		U
126-98-7	Methacrylonitrile	0.20	5.0		U
108-87-2	Methyl cyclohexane	0.20	1.0	2.2	
75-09-2	Methylene chloride	0.26	2.0		U
80-62-6	Methyl methacrylate	0.35	1.0		U
108-10-1	4-Methyl-2-pentanone	1.4	5.0		U
1634-04-4	MTBE	0.17	1.0		U
107-12-0	Propionitrile	0.20	5.0		U
100-42-5	Styrene	0.22	1.0		U
630-20-6	1,1,1,2-Tetrachloroethane	0.19	1.0		U
79-34-5	1,1,2,2-Tetrachloroethane	0.22	1.0		U
127-18-4	Tetrachloroethene	0.14	1.0	0.24	I
108-88-3	Toluene	0.18	1.0	0.46	I
87-61-6	1,2,3-Trichlorobenzene	0.16	1.0		U
120-82-1	1,2,4-Trichlorobenzene	0.14	1.0		U
71-55-6	1,1,1-Trichloroethane	0.15	1.0		U
79-00-5	1,1,2-Trichloroethane	0.17	1.0		U
79-01-6	Trichloroethene	0.28	1.0		U
76-13-1	Trichlorotrifluoroethane	0.22	1.0		U
75-69-4	Trichlorofluoromethane	0.15	2.0		U
96-18-4	1,2,3-Trichloropropane	0.31	1.0		U
108-05-4	Vinyl acetate	1.3	5.0		U
75-01-4	Vinyl chloride	0.19	1.0		U
108-38-3	m,p-Xylene	0.26	1.0	0.31	I
95-47-6	o-Xylene	0.21	1.0	0.54	I
1330-20-7	Xylene(total)	0.21	1.0	0.83	I

FORM 2
WATER VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW001

	CLIENT SAMPLE NO.	SMC1 (DFM) #	SMC2 (DCE) #	SMC3 (TOL) #	SMC4 (BFB) #	TOT OUT
01	V4BLK1215ELC	100	98	97	102	0
02	V4BLK1215E	101	100	97	100	0
03	TRIP BLANK 4	100	96	100	99	0
04	TRIP BLANK 4	100	97	97	98	0
05	TRIP BLANK 4	103	99	99	96	0
06	OLFS4-MW07S-	100	96	99	99	0
07	OLFS4-MW085-	102	100	99	97	0
08	OLFS4-MW085-	99	95	98	96	0
09	OLFS4-MW5S-0	101	100	96	97	0
10	OLSF4-MW-16S	101	97	102	101	0
11	OLSF4-MW-19S	102	101	96	97	0
12	OLFS4-MW06S-	102	98	98	97	0
13	OLFS4-MW03S-	101	98	99	98	0
14	OLFS4-MW03S-	99	99	93	98	0
15	OLFS4-MW03S-	102	97	94	98	0
16						
17						
18						
19						
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21						
22						
23						
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27						
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29						
30						

		EL QC LIMITS	SPIKE CONC (ug/L)
SMC1	(DFM) = Dibromofluoromethane	(85-120)	30
SMC2	(DCE) = 1,2-Dichloroethane-d4	(80-135)	30
SMC3	(TOL) = Toluene-d8	(85-115)	30
SMC4	(BFB) = Bromofluorobenzene	(85-120)	30

Column to be used to flag recovery values

* Values outside of contract required QC limits

D Surrogate results reported from a diluted analysis

FORM 3
WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW001

Matrix Spike - Client Sample No.: OLFS4-MW03S-001 Lab Sample ID: 0612069-03

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC #	QC. LIMITS REC.
Acetone	100.0	3.181	95.73	92	35-175
Acetonitrile	500.0	0.0000	507.5	102	50-150
Acrolein	250.0	0.0000	255.9	102	10-200
Acrylonitrile	250.0	0.0000	250.6	100	35-180
Allyl chloride	50.00	0.0000	46.43	93	50-150
Benzene	50.00	0.1111	47.93	96	75-125
Bromodichloromethane	50.00	0.0000	49.94	100	85-135
Bromoform	50.00	0.0000	42.53	85	70-140
Bromomethane	50.00	0.0000	48.09	96	45-150
2-Butanone	100.0	0.0000	93.26	93	65-145
Carbon disulfide	50.00	0.0000	36.26	72	65-130
Carbon tetrachloride	50.00	0.0000	49.85	100	75-135
Chlorobenzene	50.00	0.0000	44.62	89	75-120
Chloroethane	50.00	0.0000	50.33	101	65-145
Chloroform	50.00	0.3954	53.76	107	75-125
Chloromethane	50.00	0.0000	70.03	140	45-145
Chloroprene	50.00	0.0000	53.73	107	50-150
Cyclohexane	50.00	0.0000	45.93	92	60-130
Dibromochloromethane	50.00	0.0000	47.17	94	80-140
1,2-Dibromo-3-chloropro	50.00	0.0000	46.92	94	70-130
Dibromomethane	50.00	0.0000	50.99	102	65-140
1,2-Dichlorobenzene	50.00	0.0000	47.39	95	70-130
1,3-Dichlorobenzene	50.00	0.0000	41.24	82	65-125
1,4-Dichlorobenzene	50.00	0.0000	44.58	89	70-125
trans-1,4-Dichloro-2-bu	50.00	0.0000	46.24	92	50-150
Dichlorodifluoromethane	50.00	0.0000	58.65	117	40-160
1,1-Dichloroethane	50.00	0.0000	47.05	94	75-130
1,2-Dichloroethane	50.00	0.0000	53.47	107	70-135

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

COMMENTS: _____

FORM 3
WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW001

Matrix Spike - Client Sample No.: OLFS4-MW03S-001 Lab Sample ID: 0612069-03

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC #	QC. LIMITS REC.
1,1-Dichloroethene	50.00	0.0000	38.32	77	70-125
cis-1,2-Dichloroethene	50.00	0.0000	43.67	87	80-120
trans-1,2-Dichloroethen	50.00	0.0000	38.52	77	70-125
1,2-Dichloropropane	50.00	0.0000	48.84	98	75-130
cis-1,3-Dichloropropene	50.00	0.0000	50.37	101	75-130
trans-1,3-Dichloroprope	50.00	0.0000	51.36	103	70-130
1,4-Dioxane	1000	0.0000	840.8	84	50-150
Ethylbenzene	50.00	0.0000	45.10	90	75-130
Ethyl methacrylate	100.0	0.0000	92.36	92	70-135
2-Hexanone	100.0	0.0000	92.61	93	70-140
Iodomethane	50.00	0.0000	35.62	71	50-140
Isobutyl alcohol	1000	0.0000	1041	104	50-150
Isopropylbenzene	50.00	0.0000	50.91	102	65-130
Methyl acetate	50.00	0.0000	36.73	73	55-150
Methacrylonitrile	500.0	0.0000	562.8	112	50-150
Methyl cyclohexane	50.00	0.0000	41.29	82	60-125
Methylene chloride	50.00	0.0000	43.18	86	70-130
Methyl methacrylate	100.0	0.0000	127.0	127	70-135
4-Methyl-2-pentanone	100.0	0.0000	117.7	118	75-135
MTBE	50.00	0.0000	49.74	99	75-125
Propionitrile	500.0	0.0000	515.3	103	50-150
Styrene	50.00	0.0000	49.46	99	75-125
1,1,1,2-Tetrachloroetha	50.00	0.0000	46.33	93	70-140
1,1,2,2-Tetrachloroetha	50.00	0.0000	53.48	107	70-130
Tetrachloroethene	55.00	0.0000	44.52	81	70-125
Toluene	50.00	0.2266	43.79	87	75-125
1,2,3-Trichlorobenzene	50.00	0.0000	45.46	91	60-125
1,2,4-Trichlorobenzene	50.00	0.0000	42.15	84	45-135

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

COMMENTS: _____

_____

FORM 3

WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW001

Matrix Spike - Client Sample No.: OLFS4-MW03S-001 Lab Sample ID: 0612069-03

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC #	QC. LIMITS REC.
1,1,1-Trichloroethane	50.00	0.0000	48.43	97	80-125
1,1,2-Trichloroethane	50.00	0.0000	48.01	96	80-130
Trichloroethene	50.00	0.0000	47.42	95	80-125
Trichlorotrifluoroethan	50.00	0.0000	37.19	74	60-130
Trichlorofluoromethane	50.00	0.0000	54.61	109	70-140
1,2,3-Trichloropropane	50.00	0.0000	50.37	101	70-140
Vinyl acetate	100.0	0.0000	68.88	69	60-150
Vinyl chloride	50.00	0.0000	50.97	102	65-140
m,p-Xylene	100.0	0.0000	94.01	94	75-125
o-Xylene	50.00	0.0000	48.46	97	75-130
Xylene(total)	150.0	0.0000	137.2	91	75-125

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

COMMENTS: _____

FORM 3
WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW001

Matrix Spike - Client Sample No.: OLFS4-MW03S-001 Lab Sample ID: 0612069-03

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Acetone	100.0	93.16	90	3	30	35-175
Acetonitrile	500.0	504.1	101	1	20	50-150
Acrolein	250.0	314.7	126	21	30	10-200
Acrylonitrile	250.0	259.2	104	3	30	35-180
Allyl chloride	50.00	47.26	94	2	20	50-150
Benzene	50.00	48.86	97	2	30	75-125
Bromodichloromethane	50.00	51.50	103	3	30	85-135
Bromoform	50.00	43.84	88	3	30	70-140
Bromomethane	50.00	54.50	109	12	30	45-150
2-Butanone	100.0	96.97	97	4	30	65-145
Carbon disulfide	50.00	37.79	76	4	30	65-130
Carbon tetrachloride	50.00	51.69	103	4	30	75-135
Chlorobenzene	50.00	45.81	92	3	30	75-120
Chloroethane	50.00	50.41	101	0	30	65-145
Chloroform	50.00	56.04	111	4	30	75-125
Chloromethane	50.00	70.19	140	0	30	45-145
Chloroprene	50.00	55.43	111	3	20	50-150
Cyclohexane	50.00	48.23	96	5	30	60-130
Dibromochloromethane	50.00	48.52	97	3	30	80-140
1,2-Dibromo-3-chloropro	50.00	50.59	101	8	30	70-130
Dibromomethane	50.00	52.16	104	2	30	65-140
1,2-Dichlorobenzene	50.00	48.98	98	3	30	70-130
1,3-Dichlorobenzene	50.00	42.29	84	2	30	65-125
1,4-Dichlorobenzene	50.00	44.11	88	1	30	70-125
trans-1,4-Dichloro-2-bu	50.00	46.18	92	0	20	50-150
Dichlorodifluoromethane	50.00	62.00	124	6	30	40-160
1,1-Dichloroethane	50.00	48.04	96	2	30	75-130
1,2-Dichloroethane	50.00	54.41	109	2	30	70-135

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

COMMENTS: _____

FORM 3
WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW001

Matrix Spike - Client Sample No.: OLFS4-MW03S-001 Lab Sample ID: 0612069-03

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
1,1-Dichloroethene	50.00	40.42	81	5	30	70-125
cis-1,2-Dichloroethene	50.00	45.65	91	4	30	80-120
trans-1,2-Dichloroethen	50.00	39.77	80	3	30	70-125
1,2-Dichloropropane	50.00	51.00	102	4	30	75-130
cis-1,3-Dichloropropene	50.00	52.77	106	5	30	75-130
trans-1,3-Dichloroprope	50.00	52.13	104	1	30	70-130
1,4-Dioxane	1000	977.9	98	15	20	50-150
Ethylbenzene	50.00	45.76	92	1	30	75-130
Ethyl methacrylate	100.0	93.86	94	2	30	70-135
2-Hexanone	100.0	97.17	97	5	30	70-140
Iodomethane	50.00	37.58	75	5	30	50-140
Isobutyl alcohol	1000	1123	112	8	20	50-150
Isopropylbenzene	50.00	51.01	102	0	30	65-130
Methyl acetate	50.00	38.03	76	3	30	55-150
Methacrylonitrile	500.0	572.7	114	2	20	50-150
Methyl cyclohexane	50.00	43.34	87	5	30	60-125
Methylene chloride	50.00	43.95	88	2	30	70-130
Methyl methacrylate	100.0	128.8	129	1	30	70-135
4-Methyl-2-pentanone	100.0	122.1	122	4	30	75-135
MTBE	50.00	52.10	104	5	30	75-125
Propionitrile	500.0	535.6	107	4	20	50-150
Styrene	50.00	50.83	102	3	30	75-125
1,1,1,2-Tetrachloroetha	50.00	47.64	95	3	30	70-140
1,1,2,2-Tetrachloroetha	50.00	54.41	109	2	30	70-130
Tetrachloroethene	55.00	44.34	81	0	30	70-125
Toluene	50.00	44.87	89	2	30	75-125
1,2,3-Trichlorobenzene	50.00	45.52	91	0	30	60-125
1,2,4-Trichlorobenzene	50.00	43.16	86	2	30	45-135

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

COMMENTS: _____

FORM 3
WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW001

Matrix Spike - Client Sample No.: OLFS4-MW03S-001 Lab Sample ID: 0612069-03

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
1,1,1-Trichloroethane	50.00	49.79	100	3	30	80-125
1,1,2-Trichloroethane	50.00	48.96	98	2	30	80-130
Trichloroethene	50.00	48.77	98	3	30	80-125
Trichlorotrifluoroethan	50.00	38.56	77	4	30	60-130
Trichlorofluoromethane	50.00	54.38	109	0	30	70-140
1,2,3-Trichloropropane	50.00	51.44	103	2	30	70-140
Vinyl acetate	100.0	70.61	71	2	30	60-150
Vinyl chloride	50.00	52.95	106	4	30	65-140
m,p-Xylene	100.0	93.57	94	0	30	75-125
o-Xylene	50.00	48.19	96	0	30	75-130
Xylene(total)	150.0	136.5	91	0	30	75-125

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 67 outside limits
Spike Recovery: 0 out of 134 outside limits

COMMENTS: _____

FORM 3
WATER VOLATILE LAB CONTROL SAMPLE

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW001

Matrix Spike - Client Sample No.: V4BLK1215E

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC #	QC. LIMITS REC.
Acetone	100.0	0.0000	89.76	90	35-175
Acetonitrile	500.0	0.0000	481.7	96	50-150
Acrolein	250.0	0.0000	160.4	64	10-200
Acrylonitrile	250.0	0.0000	261.2	104	35-180
Allyl chloride	50.00	0.0000	48.48	97	50-150
Benzene	50.00	0.0000	51.50	103	75-125
Bromodichloromethane	50.00	0.0000	52.48	105	85-135
Bromoform	50.00	0.0000	47.10	94	70-140
Bromomethane	50.00	0.0000	55.55	111	45-150
2-Butanone	100.0	0.0000	95.33	95	65-145
Carbon disulfide	50.00	0.0000	41.85	84	65-130
Carbon tetrachloride	50.00	0.0000	54.21	108	75-135
Chlorobenzene	50.00	0.0000	51.41	103	75-120
Chloroethane	50.00	0.0000	53.69	107	65-145
Chloroform	50.00	0.2418	57.52	114	75-125
Chloromethane	50.00	0.3418	73.14	146*	45-145
Chloroprene	50.00	0.0000	57.44	115	50-150
Cyclohexane	50.00	0.0000	51.86	104	60-130
Dibromochloromethane	50.00	0.0000	52.45	105	80-140
1,2-Dibromo-3-chloropro	50.00	0.0000	50.58	101	70-130
Dibromomethane	50.00	0.0000	53.58	107	65-140
1,2-Dichlorobenzene	50.00	0.0000	52.27	104	70-130
1,3-Dichlorobenzene	50.00	0.0000	47.31	95	65-125
1,4-Dichlorobenzene	50.00	0.0000	50.43	101	70-125
trans-1,4-Dichloro-2-bu	50.00	0.0000	47.93	96	50-150
Dichlorodifluoromethane	50.00	0.0000	62.59	125	40-160
1,1-Dichloroethane	50.00	0.0000	50.79	102	75-130
1,2-Dichloroethane	50.00	0.0000	54.96	110	70-135

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

COMMENTS: _____

_____

FORM 3
WATER VOLATILE LAB CONTROL SAMPLE

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW001

Matrix Spike - Client Sample No.: V4BLK1215E

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC #	QC. LIMITS REC.
1,1-Dichloroethene	50.00	0.0000	44.50	89	70-125
cis-1,2-Dichloroethene	50.00	0.0000	48.59	97	80-120
trans-1,2-Dichloroethen	50.00	0.0000	44.02	88	70-125
1,2-Dichloropropane	50.00	0.0000	53.43	107	75-130
cis-1,3-Dichloropropene	50.00	0.0000	55.87	112	75-130
trans-1,3-Dichloroprope	50.00	0.0000	57.57	115	70-130
1,4-Dioxane	1000	0.0000	961.3	96	50-150
Ethylbenzene	50.00	0.0000	49.64	99	75-130
Ethyl methacrylate	100.0	0.0000	96.81	97	70-135
2-Hexanone	100.0	0.0000	97.65	98	70-140
Iodomethane	50.00	0.0000	40.65	81	50-140
Isobutyl alcohol	1000	0.0000	1047	105	50-150
Isopropylbenzene	50.00	0.0000	59.26	118	65-130
Methyl acetate	50.00	0.0000	66.17	132	55-150
Methacrylonitrile	500.0	0.0000	548.2	110	50-150
Methyl cyclohexane	50.00	0.0000	50.05	100	60-125
Methylene chloride	50.00	0.0000	48.40	97	70-130
Methyl methacrylate	100.0	0.0000	126.5	126	70-135
4-Methyl-2-pentanone	100.0	0.0000	118.3	118	75-135
MTBE	50.00	0.0000	52.00	104	75-125
Propionitrile	500.0	0.0000	504.5	101	50-150
Styrene	50.00	0.0000	55.91	112	75-125
1,1,1,2-Tetrachloroetha	50.00	0.0000	52.13	104	70-140
1,1,2,2-Tetrachloroetha	50.00	0.0000	55.17	110	70-130
Tetrachloroethene	55.00	0.0000	56.31	102	70-125
Toluene	50.00	0.0000	49.46	99	75-125
1,2,3-Trichlorobenzene	50.00	0.0000	49.88	100	60-125
1,2,4-Trichlorobenzene	50.00	0.0000	49.05	98	45-135

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

COMMENTS: _____

FORM 3
WATER VOLATILE LAB CONTROL SAMPLE

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW001

Matrix Spike - Client Sample No.: V4BLK1215E

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC #	QC. LIMITS REC.
1,1,1-Trichloroethane	50.00	0.0000	51.82	104	80-125
1,1,2-Trichloroethane	50.00	0.0000	52.61	105	80-130
Trichloroethene	50.00	0.0000	53.06	106	80-125
Trichlorotrifluoroethan	50.00	0.0000	43.10	86	60-130
Trichlorofluoromethane	50.00	0.0000	58.34	117	70-140
1,2,3-Trichloropropane	50.00	0.0000	52.43	105	70-140
Vinyl acetate	100.0	0.0000	88.01	88	60-150
Vinyl chloride	50.00	0.0000	54.03	108	65-140
m,p-Xylene	100.0	0.0000	105.6	106	75-125
o-Xylene	50.00	0.0000	53.51	107	75-130
Xylene(total)	150.0	0.0000	153.1	102	75-125

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 0 outside limits
Spike Recovery: 1 out of 67 outside limits

COMMENTS: _____

FORM 4
VOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE NO.

V4BLK1215E

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW001

Lab File ID: V4BLK01E Lab Sample ID: V4BLK1215E

Date Analyzed: 12/15/06 Time Analyzed: 2148

Column: DB-VRX ID: 0.25 (mm) Heated Purge: (Y/N) N

Instrument ID: VOA4

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	V4BLK1215ELC	V4BLK1215ELCS	V4LCS01E	2014
02	TRIP BLANK 4	0612069-02	1206902	2251
03	TRIP BLANK 4	0612081-03	1208103	2323
04	TRIP BLANK 4	0612095-01	1209501	2355
05	OLFS4-MW07S-	0612095-02	1209502	0027
06	OLFS4-MW085-	0612081-01	1208101	0059
07	OLFS4-MW085-	0612081-02	1208102	0130
08	OLFS4-MW5S-0	0612081-04	1208104	0202
09	OLSF4-MW-16S	0612081-05	1208105	0234
10	OLSF4-MW-19S	0612081-06	1208106	0305
11	OLFS4-MW06S-	0612069-01	1206901	0337
12	OLFS4-MW03S-	0612069-03	1206903	0409
13	OLFS4-MW03S-	0612069-03	1206903M	0512
14	OLFS4-MW03S-	0612069-03	1206903S	0544
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COMMENTS:

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

V4BLK1215E

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW001

Matrix: (soil/water) WATER Lab Sample ID: V4BLK1215E

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V4BLK01E

Level: (low/med) LOW Date Sampled: _____

% Moisture: not dec. _____ Date Analyzed: 12/15/06 21:48

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
67-64-1	Acetone	1.1	10		U
75-05-8	Acetonitrile	0.20	5.0		U
107-02-8	Acrolein	4.1	5.0		U
107-13-1	Acrylonitrile	0.95	5.0		U
107-05-1	Allyl chloride	0.20	1.0		U
71-43-2	Benzene	0.11	1.0		U
75-27-4	Bromodichloromethane	0.24	1.0		U
75-25-2	Bromoform	0.24	1.0		U
74-83-9	Bromomethane	0.33	2.0		U
78-93-3	2-Butanone	1.2	10		U
75-15-0	Carbon disulfide	0.13	1.0		U
56-23-5	Carbon tetrachloride	0.14	1.0		U
108-90-7	Chlorobenzene	0.28	1.0		U
75-00-3	Chloroethane	0.38	2.0		U
67-66-3	Chloroform	0.15	1.0	0.24	I
74-87-3	Chloromethane	0.18	2.0	0.34	I
126-99-8	Chloroprene	0.20	1.0		U
110-82-7	Cyclohexane	0.18	2.0		U
124-48-1	Dibromochloromethane	0.20	1.0		U
96-12-8	1,2-Dibromo-3-chloropropane	0.28	2.0		U
74-95-3	Dibromomethane	0.14	1.0		U
95-50-1	1,2-Dichlorobenzene	0.17	1.0		U
541-73-1	1,3-Dichlorobenzene	0.21	1.0		U
106-46-7	1,4-Dichlorobenzene	0.12	1.0		U
110-57-6	trans-1,4-Dichloro-2-butene	0.60	5.0		U
75-71-8	Dichlorodifluoromethane	0.24	2.0		U
75-34-3	1,1-Dichloroethane	0.15	1.0		U
107-06-2	1,2-Dichloroethane	0.15	1.0		U
75-35-4	1,1-Dichloroethene	0.42	1.0		U
156-59-2	cis-1,2-Dichloroethene	0.44	1.0		U
156-60-5	trans-1,2-Dichloroethene	0.40	1.0		U
78-87-5	1,2-Dichloropropane	0.18	1.0		U
10061-01-5	cis-1,3-Dichloropropene	0.13	1.0		U
10061-02-6	trans-1,3-Dichloropropene	0.22	1.0		U
123-91-1	1,4-Dioxane	0.20	20		U
100-41-4	Ethylbenzene	0.14	1.0		U
97-63-2	Ethyl methacrylate	0.21	1.0		U
591-78-6	2-Hexanone	0.83	5.0		U
74-88-4	Iodomethane	0.19	5.0		U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

V4BLK1215E

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW001

Matrix: (soil/water) WATER Lab Sample ID: V4BLK1215E

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V4BLK01E

Level: (low/med) LOW Date Sampled: _____

% Moisture: not dec. _____ Date Analyzed: 12/15/06 21:48

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
78-83-1	Isobutyl alcohol	0.20	10		U
98-82-8	Isopropylbenzene	0.25	1.0		U
79-20-9	Methyl acetate	0.87	1.0		U
126-98-7	Methacrylonitrile	0.20	5.0		U
108-87-2	Methyl cyclohexane	0.20	1.0		U
75-09-2	Methylene chloride	0.26	2.0		U
80-62-6	Methyl methacrylate	0.35	1.0		U
108-10-1	4-Methyl-2-pentanone	1.4	5.0		U
1634-04-4	MTBE	0.17	1.0		U
107-12-0	Propionitrile	0.20	5.0		U
100-42-5	Styrene	0.22	1.0		U
630-20-6	1,1,1,2-Tetrachloroethane	0.19	1.0		U
79-34-5	1,1,2,2-Tetrachloroethane	0.22	1.0		U
127-18-4	Tetrachloroethene	0.14	1.0		U
108-88-3	Toluene	0.18	1.0		U
87-61-6	1,2,3-Trichlorobenzene	0.16	1.0		U
120-82-1	1,2,4-Trichlorobenzene	0.14	1.0		U
71-55-6	1,1,1-Trichloroethane	0.15	1.0		U
79-00-5	1,1,2-Trichloroethane	0.17	1.0		U
79-01-6	Trichloroethene	0.28	1.0		U
76-13-1	Trichlorotrifluoroethane	0.22	1.0		U
75-69-4	Trichlorofluoromethane	0.15	2.0		U
96-18-4	1,2,3-Trichloropropane	0.31	1.0		U
108-05-4	Vinyl acetate	1.3	5.0		U
75-01-4	Vinyl chloride	0.19	1.0		U
108-38-3	m,p-Xylene	0.26	1.0		U
95-47-6	o-Xylene	0.21	1.0		U
1330-20-7	Xylene(total)	0.21	1.0		U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW23S-001

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW002

Matrix: (soil/water) WATER Lab Sample ID: 0612175-01

Sample wt/vol: 940.0 (g/mL) ML Lab File ID: 1217501

% Moisture: _____ decanted: (Y/N)___ Date Sampled: 12/19/06 12:30

Extraction: (SepF/Cont/Sonc/Soxh) SEPF Date Extracted:12/21/06

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 12/28/06 19:07

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
83-32-9	Acenaphthene	1.1	11		U
208-96-8	Acenaphthylene	1.1	11		U
98-86-2	Acetophenone	1.1	11		U
53-96-3	2-Acetylaminofluorene	2.1	11		U
92-67-1	4-Aminobiphenyl	2.1	11		U
62-53-3	Aniline	1.1	11		U
140-57-8	Aramite	1.1	11		U
120-12-7	Anthracene	1.1	11		U
1912-24-9	Atrazine	1.1	5.3		U
100-52-7	Benzaldehyde	1.1	5.3		U
56-55-3	Benzo(a)anthracene	1.1	11		U
205-99-2	Benzo(b)fluoranthene	1.1	11		U
207-08-9	Benzo(k)fluoranthene	1.1	11		U
191-24-2	Benzo(g,h,i)perylene	1.1	11		U
50-32-8	Benzo(a)pyrene	1.1	11		U
100-51-6	Benzyl alcohol	1.1	11		U
92-52-4	1,1'-Biphenyl	1.1	5.3		U
111-91-1	bis(2-Chloroethoxy)methane	1.1	11		U
111-44-4	bis(2-Chloroethyl)ether	1.1	11		U
108-60-1	bis(2-Chloroisopropyl)ether	1.1	11		U
117-81-7	Bis(2-ethylhexyl)phthalate	1.1	11		U
101-55-3	4-Bromophenyl-phenylether	1.1	11		U
85-68-7	Butylbenzylphthalate	1.1	11		U
105-60-2	Caprolactam	1.1	5.3	2.7	I
86-74-8	Carbazole	1.1	11		U
106-47-8	4-Chloroaniline	1.1	11		U
510-15-6	Chlorobenzilate	1.1	11		U
59-50-7	4-Chloro-3-methylphenol	1.1	11		U
91-58-7	2-Chloronaphthalene	1.1	11		U
95-57-8	2-Chlorophenol	1.1	11		U
7005-72-3	4-Chlorophenyl-phenylether	1.1	11		U
218-01-9	Chrysene	1.1	11		U
2303-16-4	Diallate	1.1	11		U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW23S-001

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW002

Matrix: (soil/water) WATER Lab Sample ID: 0612175-01

Sample wt/vol: 940.0 (g/mL) ML Lab File ID: 1217501

% Moisture: _____ decanted: (Y/N)___ Date Sampled: 12/19/06 12:30

Extraction: (SepF/Cont/Sonc/Soxh) SEPF Date Extracted:12/21/06

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 12/28/06 19:07

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
53-70-3	Dibenz(a,h)anthracene	1.1	11		U
132-64-9	Dibenzofuran	1.1	11		U
91-94-1	3,3'-Dichlorobenzidine	1.1	11		U
120-83-2	2,4-Dichlorophenol	1.1	11		U
87-65-0	2,6-Dichlorophenol	1.1	11		U
84-66-2	Diethylphthalate	1.1	11		U
60-51-5	Dimethoate	4.2	11		U
60-11-7	p-(Dimethylamino)azobenzene	1.1	11		U
57-97-6	7,12-Dimethylbenz[a]anthrace	1.1	11		U
119-93-7	3,3'-Dimethylbenzidine	45	53		U
122-09-8	a,a-Dimethyl-phenethylamine	1.1	11		U
105-67-9	2,4-Dimethylphenol	1.1	11		U
131-11-3	Dimethylphthalate	1.1	11		U
84-74-2	Di-n-butylphthalate	1.1	11		U
99-65-0	m-Dinitrobenzene	3.2	11		U
534-52-1	4,6-Dinitro-2-methylphenol	1.1	26		U
51-28-5	2,4-Dinitrophenol	11	26		U
121-14-2	2,4-Dinitrotoluene	1.1	11		U
606-20-2	2,6-Dinitrotoluene	1.1	11		U
117-84-0	Di-n-octylphthalate	1.1	11		U
122-39-4	Diphenylamine	1.1	11		U
62-50-0	Ethyl methanesulfonate	1.1	11		U
206-44-0	Fluoranthene	1.1	11		U
86-73-7	Fluorene	1.1	11		U
118-74-1	Hexachlorobenzene	0.50	11		U
87-68-3	Hexachlorobutadiene	1.1	11		U
77-47-4	Hexachlorocyclopentadiene	1.1	11		U
67-72-1	Hexachloroethane	1.1	11		U
70-30-4	Hexachlorophene	26	130		U
1888-71-7	Hexachloropropene	4.2	11		U
193-39-5	Indeno(1,2,3-cd)pyrene	1.1	11		U
465-73-6	Isodrin	2.1	11		U
78-59-1	Isophorone	1.1	11		U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW23S-001

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW002

Matrix: (soil/water) WATER Lab Sample ID: 0612175-01

Sample wt/vol: 940.0 (g/mL) ML Lab File ID: 1217501

% Moisture: _____ decanted: (Y/N)___ Date Sampled: 12/19/06 12:30

Extraction: (SepF/Cont/Sonc/Soxh) SEPF Date Extracted:12/21/06

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 12/28/06 19:07

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
120-58-1	Isosafrole	1.1	11		U
143-50-0	Kepone	1.1	11		U
91-80-5	Methapyrilene	1.1	11		U
56-49-5	3-Methylcholanthrene	1.1	11		U
66-27-3	Methyl methanesulfonate	1.1	5.3		U
91-57-6	2-Methylnaphthalene	1.1	11		U
106-44-5	4-Methylphenol	1.1	11		U
108-39-4	3-Methylphenol	1.1	11		U
95-48-7	2-Methylphenol	1.1	11		U
91-20-3	Naphthalene	1.1	11		U
130-15-4	1,4-Naphthoquinone	1.1	11		U
134-32-7	1-Naphthylamine	1.1	11		U
91-59-8	2-Naphthylamine	1.1	11		U
88-74-4	2-Nitroaniline	1.1	26		U
99-09-2	3-Nitroaniline	1.1	26		U
100-01-6	4-Nitroaniline	1.1	26		U
98-95-3	Nitrobenzene	1.1	11		U
88-75-5	2-Nitrophenol	1.1	11		U
100-02-7	4-Nitrophenol	5.3	26		U
56-57-5	4-Nitroquinoline-1-oxide	1.1	11		U
924-16-3	N-Nitrosodi-n-butylamine	1.1	11		U
55-18-5	N-Nitrosodiethylamine	1.1	11		U
62-75-9	N-Nitroso-di-methylamine	1.1	11		U
86-30-6	N-Nitrosodiphenylamine (1)	1.1	11		U
621-64-7	N-Nitroso-di-n-propylamine	0.85	11		U
10595-95-6	N-Nitrosomethylethylamine	4.2	11		U
59-89-2	N-Nitrosomorpholine	1.1	11		U
100-75-4	N-Nitrosopiperidine	1.1	11		U
930-55-2	N-Nitrosopyrrolidine	1.1	11		U
99-55-8	5-Nitro-o-toluidine	2.1	11		U
608-93-5	Pentachlorobenzene	4.2	11		U
82-68-8	Pentachloronitrobenzene	4.2	11		U
76-01-7	Pentachloroethane	4.2	11		U

(1) - Cannot be separated from Diphenylamine

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW23S-001

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW002

Matrix: (soil/water) WATER Lab Sample ID: 0612175-01

Sample wt/vol: 940.0 (g/mL) ML Lab File ID: 1217501

% Moisture: _____ decanted: (Y/N)___ Date Sampled: 12/19/06 12:30

Extraction: (SepF/Cont/Sonc/Soxh) SEPF Date Extracted:12/21/06

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 12/28/06 19:07

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
87-86-5	Pentachlorophenol	1.1	26		U
62-44-2	Phenacetin	1.1	11		U
85-01-8	Phenanthrene	1.1	11		U
108-95-2	Phenol	1.1	11		U
106-50-3	p-Phenylenediamine	1.1	11		U
109-06-8	2-Picoline	7.4	11		U
23950-58-5	Pronamide	1.1	11		U
129-00-0	Pyrene	1.1	11		U
110-86-1	Pyridine	1.1	11		U
94-59-7	Safrole	1.1	11		U
95-94-3	1,2,4,5-Tetrachlorobenzene	3.2	11		U
58-90-2	2,3,4,6-Tetrachlorophenol	1.1	11		U
95-53-4	o-Toluidine	4.2	11		U
120-82-1	1,2,4-Trichlorobenzene	1.1	11		U
95-95-4	2,4,5-Trichlorophenol	1.1	26		U
88-06-2	2,4,6-Trichlorophenol	1.1	11		U
126-68-1	O,O,O-Triethylphosphorothioa	3.2	11		U
99-35-4	sym-Trinitrobenzene	3.2	11		U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW22D-001

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW002

Matrix: (soil/water) WATER Lab Sample ID: 0612175-02

Sample wt/vol: 970.0 (g/mL) ML Lab File ID: 1217502

% Moisture: _____ decanted: (Y/N)___ Date Sampled: 12/19/06 13:45

Extraction: (SepF/Cont/Sonc/Soxh) SEPF Date Extracted:12/21/06

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 12/28/06 19:43

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
83-32-9	Acenaphthene	1.0	10		U
208-96-8	Acenaphthylene	1.0	10		U
98-86-2	Acetophenone	1.0	10		U
53-96-3	2-Acetylaminofluorene	2.1	10		U
92-67-1	4-Aminobiphenyl	2.1	10		U
62-53-3	Aniline	1.0	10		U
140-57-8	Aramite	1.0	10		U
120-12-7	Anthracene	1.0	10		U
1912-24-9	Atrazine	1.0	5.2		U
100-52-7	Benzaldehyde	1.0	5.2		U
56-55-3	Benzo(a)anthracene	1.0	10		U
205-99-2	Benzo(b)fluoranthene	1.0	10		U
207-08-9	Benzo(k)fluoranthene	1.0	10		U
191-24-2	Benzo(g,h,i)perylene	1.0	10		U
50-32-8	Benzo(a)pyrene	1.0	10		U
100-51-6	Benzyl alcohol	1.0	10		U
92-52-4	1,1'-Biphenyl	1.0	5.2		U
111-91-1	bis(2-Chloroethoxy)methane	1.0	10		U
111-44-4	bis(2-Chloroethyl)ether	1.0	10		U
108-60-1	bis(2-Chloroisopropyl)ether	1.0	10		U
117-81-7	Bis(2-ethylhexyl)phthalate	1.0	10		U
101-55-3	4-Bromophenyl-phenylether	1.0	10		U
85-68-7	Butylbenzylphthalate	1.0	10		U
105-60-2	Caprolactam	1.0	5.2	1.5	I
86-74-8	Carbazole	1.0	10		U
106-47-8	4-Chloroaniline	1.0	10		U
510-15-6	Chlorobenzilate	1.0	10		U
59-50-7	4-Chloro-3-methylphenol	1.0	10		U
91-58-7	2-Chloronaphthalene	1.0	10		U
95-57-8	2-Chlorophenol	1.0	10		U
7005-72-3	4-Chlorophenyl-phenylether	1.0	10		U
218-01-9	Chrysene	1.0	10		U
2303-16-4	Diallate	1.0	10		U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW22D-001

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW002

Matrix: (soil/water) WATER Lab Sample ID: 0612175-02

Sample wt/vol: 970.0 (g/mL) ML Lab File ID: 1217502

% Moisture: _____ decanted: (Y/N)___ Date Sampled: 12/19/06 13:45

Extraction: (SepF/Cont/Sonc/Soxh) SEPF Date Extracted:12/21/06

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 12/28/06 19:43

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
53-70-3	Dibenz(a,h)anthracene	1.0	10		U
132-64-9	Dibenzofuran	1.0	10		U
91-94-1	3,3'-Dichlorobenzidine	1.0	10		U
120-83-2	2,4-Dichlorophenol	1.0	10		U
87-65-0	2,6-Dichlorophenol	1.0	10		U
84-66-2	Diethylphthalate	1.0	10		U
60-51-5	Dimethoate	4.1	10		U
60-11-7	p-(Dimethylamino)azobenzene	1.0	10		U
57-97-6	7,12-Dimethylbenz[a]anthrace	1.0	10		U
119-93-7	3,3'-Dimethylbenzidine	43	52		U
122-09-8	a,a-Dimethyl-phenethylamine	1.0	10		U
105-67-9	2,4-Dimethylphenol	1.0	10		U
131-11-3	Dimethylphthalate	1.0	10		U
84-74-2	Di-n-butylphthalate	1.0	10		U
99-65-0	m-Dinitrobenzene	3.1	10		U
534-52-1	4,6-Dinitro-2-methylphenol	1.0	26		U
51-28-5	2,4-Dinitrophenol	10	26		U
121-14-2	2,4-Dinitrotoluene	1.0	10		U
606-20-2	2,6-Dinitrotoluene	1.0	10		U
117-84-0	Di-n-octylphthalate	1.0	10		U
122-39-4	Diphenylamine	1.0	10		U
62-50-0	Ethyl methanesulfonate	1.0	10		U
206-44-0	Fluoranthene	1.0	10		U
86-73-7	Fluorene	1.0	10		U
118-74-1	Hexachlorobenzene	0.48	10		U
87-68-3	Hexachlorobutadiene	1.0	10		U
77-47-4	Hexachlorocyclopentadiene	1.0	10		U
67-72-1	Hexachloroethane	1.0	10		U
70-30-4	Hexachlorophene	26	130		U
1888-71-7	Hexachloropropene	4.1	10		U
193-39-5	Indeno(1,2,3-cd)pyrene	1.0	10		U
465-73-6	Isodrin	2.1	10		U
78-59-1	Isophorone	1.0	10		U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW22D-001

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW002

Matrix: (soil/water) WATER Lab Sample ID: 0612175-02

Sample wt/vol: 970.0 (g/mL) ML Lab File ID: 1217502

% Moisture: _____ decanted: (Y/N)___ Date Sampled: 12/19/06 13:45

Extraction: (SepF/Cont/Sonc/Soxh) SEPF Date Extracted:12/21/06

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 12/28/06 19:43

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
120-58-1	Isosafrole	1.0	10		U
143-50-0	Kepone	1.0	10		U
91-80-5	Methapyrilene	1.0	10		U
56-49-5	3-Methylcholanthrene	1.0	10		U
66-27-3	Methyl methanesulfonate	1.0	5.2		U
91-57-6	2-Methylnaphthalene	1.0	10		U
106-44-5	4-Methylphenol	1.0	10		U
108-39-4	3-Methylphenol	1.0	10		U
95-48-7	2-Methylphenol	1.0	10		U
91-20-3	Naphthalene	1.0	10		U
130-15-4	1,4-Naphthoquinone	1.0	10		U
134-32-7	1-Naphthylamine	1.0	10		U
91-59-8	2-Naphthylamine	1.0	10		U
88-74-4	2-Nitroaniline	1.0	26		U
99-09-2	3-Nitroaniline	1.0	26		U
100-01-6	4-Nitroaniline	1.0	26		U
98-95-3	Nitrobenzene	1.0	10		U
88-75-5	2-Nitrophenol	1.0	10		U
100-02-7	4-Nitrophenol	5.2	26		U
56-57-5	4-Nitroquinoline-1-oxide	1.0	10		U
924-16-3	N-Nitrosodi-n-butylamine	1.0	10		U
55-18-5	N-Nitrosodiethylamine	1.0	10		U
62-75-9	N-Nitroso-di-methylamine	1.0	10		U
86-30-6	N-Nitrosodiphenylamine (1)	1.0	10		U
621-64-7	N-Nitroso-di-n-propylamine	0.82	10		U
10595-95-6	N-Nitrosomethylethylamine	4.1	10		U
59-89-2	N-Nitrosomorpholine	1.0	10		U
100-75-4	N-Nitrosopiperidine	1.0	10		U
930-55-2	N-Nitrosopyrrolidine	1.0	10		U
99-55-8	5-Nitro-o-toluidine	2.1	10		U
608-93-5	Pentachlorobenzene	4.1	10		U
82-68-8	Pentachloronitrobenzene	4.1	10		U
76-01-7	Pentachloroethane	4.1	10		U

(1) - Cannot be separated from Diphenylamine

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW22D-001

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW002

Matrix: (soil/water) WATER Lab Sample ID: 0612175-02

Sample wt/vol: 970.0 (g/mL) ML Lab File ID: 1217502

% Moisture: _____ decanted: (Y/N)___ Date Sampled: 12/19/06 13:45

Extraction: (SepF/Cont/Sonc/Soxh) SEPF Date Extracted:12/21/06

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 12/28/06 19:43

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
87-86-5	Pentachlorophenol	1.0	26		U
62-44-2	Phenacetin	1.0	10		U
85-01-8	Phenanthrene	1.0	10		U
108-95-2	Phenol	1.0	10		U
106-50-3	p-Phenylenediamine	1.0	10		U
109-06-8	2-Picoline	7.2	10		U
23950-58-5	Pronamide	1.0	10		U
129-00-0	Pyrene	1.0	10		U
110-86-1	Pyridine	1.0	10		U
94-59-7	Safrole	1.0	10		U
95-94-3	1,2,4,5-Tetrachlorobenzene	3.1	10		U
58-90-2	2,3,4,6-Tetrachlorophenol	1.0	10		U
95-53-4	o-Toluidine	4.1	10		U
120-82-1	1,2,4-Trichlorobenzene	1.0	10		U
95-95-4	2,4,5-Trichlorophenol	1.0	26		U
88-06-2	2,4,6-Trichlorophenol	1.0	10		U
126-68-1	O,O,O-Triethylphosphorothioa	3.1	10		U
99-35-4	sym-Trinitrobenzene	3.1	10		U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW12S-001

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW002

Matrix: (soil/water) WATER Lab Sample ID: 0612175-04

Sample wt/vol: 980.0 (g/mL) ML Lab File ID: 1217504

% Moisture: _____ decanted: (Y/N)___ Date Sampled: 12/19/06 16:50

Extraction: (SepF/Cont/Sonc/Soxh) SEPF Date Extracted:12/21/06

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 12/28/06 20:19

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
83-32-9	Acenaphthene	1.0	10		U
208-96-8	Acenaphthylene	1.0	10		U
98-86-2	Acetophenone	1.0	10		U
53-96-3	2-Acetylaminofluorene	2.0	10		U
92-67-1	4-Aminobiphenyl	2.0	10		U
62-53-3	Aniline	1.0	10		U
140-57-8	Aramite	1.0	10		U
120-12-7	Anthracene	1.0	10		U
1912-24-9	Atrazine	1.0	5.1		U
100-52-7	Benzaldehyde	1.0	5.1		U
56-55-3	Benzo(a)anthracene	1.0	10		U
205-99-2	Benzo(b)fluoranthene	1.0	10		U
207-08-9	Benzo(k)fluoranthene	1.0	10		U
191-24-2	Benzo(g,h,i)perylene	1.0	10		U
50-32-8	Benzo(a)pyrene	1.0	10		U
100-51-6	Benzyl alcohol	1.0	10		U
92-52-4	1,1'-Biphenyl	1.0	5.1		U
111-91-1	bis(2-Chloroethoxy)methane	1.0	10		U
111-44-4	bis(2-Chloroethyl)ether	1.0	10		U
108-60-1	bis(2-Chloroisopropyl)ether	1.0	10		U
117-81-7	Bis(2-ethylhexyl)phthalate	1.0	10		U
101-55-3	4-Bromophenyl-phenylether	1.0	10		U
85-68-7	Butylbenzylphthalate	1.0	10		U
105-60-2	Caprolactam	1.0	5.1	1.4	I
86-74-8	Carbazole	1.0	10		U
106-47-8	4-Chloroaniline	1.0	10		U
510-15-6	Chlorobenzilate	1.0	10		U
59-50-7	4-Chloro-3-methylphenol	1.0	10		U
91-58-7	2-Chloronaphthalene	1.0	10		U
95-57-8	2-Chlorophenol	1.0	10		U
7005-72-3	4-Chlorophenyl-phenylether	1.0	10		U
218-01-9	Chrysene	1.0	10		U
2303-16-4	Diallate	1.0	10		U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW12S-001

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW002

Matrix: (soil/water) WATER Lab Sample ID: 0612175-04

Sample wt/vol: 980.0 (g/mL) ML Lab File ID: 1217504

% Moisture: _____ decanted: (Y/N)___ Date Sampled: 12/19/06 16:50

Extraction: (SepF/Cont/Sonc/Soxh) SEPF Date Extracted:12/21/06

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 12/28/06 20:19

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
53-70-3	Dibenz(a,h)anthracene	1.0	10		U
132-64-9	Dibenzofuran	1.0	10		U
91-94-1	3,3'-Dichlorobenzidine	1.0	10		U
120-83-2	2,4-Dichlorophenol	1.0	10		U
87-65-0	2,6-Dichlorophenol	1.0	10		U
84-66-2	Diethylphthalate	1.0	10		U
60-51-5	Dimethoate	4.1	10		U
60-11-7	p-(Dimethylamino)azobenzene	1.0	10		U
57-97-6	7,12-Dimethylbenz[a]anthrace	1.0	10		U
119-93-7	3,3'-Dimethylbenzidine	43	51		U
122-09-8	a,a-Dimethyl-phenethylamine	1.0	10		U
105-67-9	2,4-Dimethylphenol	1.0	10		U
131-11-3	Dimethylphthalate	1.0	10		U
84-74-2	Di-n-butylphthalate	1.0	10		U
99-65-0	m-Dinitrobenzene	3.1	10		U
534-52-1	4,6-Dinitro-2-methylphenol	1.0	26		U
51-28-5	2,4-Dinitrophenol	10	26		U
121-14-2	2,4-Dinitrotoluene	1.0	10		U
606-20-2	2,6-Dinitrotoluene	1.0	10		U
117-84-0	Di-n-octylphthalate	1.0	10		U
122-39-4	Diphenylamine	1.0	10		U
62-50-0	Ethyl methanesulfonate	1.0	10		U
206-44-0	Fluoranthene	1.0	10		U
86-73-7	Fluorene	1.0	10		U
118-74-1	Hexachlorobenzene	0.48	10		U
87-68-3	Hexachlorobutadiene	1.0	10		U
77-47-4	Hexachlorocyclopentadiene	1.0	10		U
67-72-1	Hexachloroethane	1.0	10		U
70-30-4	Hexachlorophene	26	130		U
1888-71-7	Hexachloropropene	4.1	10		U
193-39-5	Indeno(1,2,3-cd)pyrene	1.0	10		U
465-73-6	Isodrin	2.0	10		U
78-59-1	Isophorone	1.0	10		U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW12S-001

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW002

Matrix: (soil/water) WATER Lab Sample ID: 0612175-04

Sample wt/vol: 980.0 (g/mL) ML Lab File ID: 1217504

% Moisture: _____ decanted: (Y/N)___ Date Sampled: 12/19/06 16:50

Extraction: (SepF/Cont/Sonc/Soxh) SEPF Date Extracted:12/21/06

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 12/28/06 20:19

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
120-58-1	Isosafrole	1.0	10		U
143-50-0	Kepone	1.0	10		U
91-80-5	Methapyrilene	1.0	10		U
56-49-5	3-Methylcholanthrene	1.0	10		U
66-27-3	Methyl methanesulfonate	1.0	5.1		U
91-57-6	2-Methylnaphthalene	1.0	10		U
106-44-5	4-Methylphenol	1.0	10		U
108-39-4	3-Methylphenol	1.0	10		U
95-48-7	2-Methylphenol	1.0	10		U
91-20-3	Naphthalene	1.0	10		U
130-15-4	1,4-Naphthoquinone	1.0	10		U
134-32-7	1-Naphthylamine	1.0	10		U
91-59-8	2-Naphthylamine	1.0	10		U
88-74-4	2-Nitroaniline	1.0	26		U
99-09-2	3-Nitroaniline	1.0	26		U
100-01-6	4-Nitroaniline	1.0	26		U
98-95-3	Nitrobenzene	1.0	10		U
88-75-5	2-Nitrophenol	1.0	10		U
100-02-7	4-Nitrophenol	5.1	26		U
56-57-5	4-Nitroquinoline-1-oxide	1.0	10		U
924-16-3	N-Nitrosodi-n-butylamine	1.0	10		U
55-18-5	N-Nitrosodiethylamine	1.0	10		U
62-75-9	N-Nitroso-di-methylamine	1.0	10		U
86-30-6	N-Nitrosodiphenylamine (1)	1.0	10		U
621-64-7	N-Nitroso-di-n-propylamine	0.82	10		U
10595-95-6	N-Nitrosomethylethylamine	4.1	10		U
59-89-2	N-Nitrosomorpholine	1.0	10		U
100-75-4	N-Nitrosopiperidine	1.0	10		U
930-55-2	N-Nitrosopyrrolidine	1.0	10		U
99-55-8	5-Nitro-o-toluidine	2.0	10		U
608-93-5	Pentachlorobenzene	4.1	10		U
82-68-8	Pentachloronitrobenzene	4.1	10		U
76-01-7	Pentachloroethane	4.1	10		U

(1) - Cannot be separated from Diphenylamine

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW12S-001

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW002

Matrix: (soil/water) WATER Lab Sample ID: 0612175-04

Sample wt/vol: 980.0 (g/mL) ML Lab File ID: 1217504

% Moisture: _____ decanted: (Y/N)___ Date Sampled: 12/19/06 16:50

Extraction: (SepF/Cont/Sonc/Soxh) SEPF Date Extracted:12/21/06

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 12/28/06 20:19

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
87-86-5	Pentachlorophenol	1.0	26		U
62-44-2	Phenacetin	1.0	10		U
85-01-8	Phenanthrene	1.0	10		U
108-95-2	Phenol	1.0	10		U
106-50-3	p-Phenylenediamine	1.0	10		U
109-06-8	2-Picoline	7.1	10		U
23950-58-5	Pronamide	1.0	10		U
129-00-0	Pyrene	1.0	10		U
110-86-1	Pyridine	1.0	10		U
94-59-7	Safrole	1.0	10		U
95-94-3	1,2,4,5-Tetrachlorobenzene	3.1	10		U
58-90-2	2,3,4,6-Tetrachlorophenol	1.0	10		U
95-53-4	o-Toluidine	4.1	10		U
120-82-1	1,2,4-Trichlorobenzene	1.0	10		U
95-95-4	2,4,5-Trichlorophenol	1.0	26		U
88-06-2	2,4,6-Trichlorophenol	1.0	10		U
126-68-1	O,O,O-Triethylphosphorothioa	3.1	10		U
99-35-4	sym-Trinitrobenzene	3.1	10		U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW10D-001

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW002

Matrix: (soil/water) WATER Lab Sample ID: 0612181-01

Sample wt/vol: 960.0 (g/mL) ML Lab File ID: 1218101

% Moisture: _____ decanted: (Y/N)___ Date Sampled: 12/20/06 09:15

Extraction: (SepF/Cont/Sonc/Soxh) SEPF Date Extracted:12/27/06

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 01/03/07 13:32

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
83-32-9	Acenaphthene	1.0	10		U
208-96-8	Acenaphthylene	1.0	10		U
98-86-2	Acetophenone	1.0	10		U
53-96-3	2-Acetylaminofluorene	2.1	10		U
92-67-1	4-Aminobiphenyl	2.1	10		U
62-53-3	Aniline	1.0	10		U
140-57-8	Aramite	1.0	10		U
120-12-7	Anthracene	1.0	10		U
1912-24-9	Atrazine	1.0	5.2		U
100-52-7	Benzaldehyde	1.0	5.2		U
56-55-3	Benzo(a)anthracene	1.0	10		U
205-99-2	Benzo(b)fluoranthene	1.0	10		U
207-08-9	Benzo(k)fluoranthene	1.0	10		U
191-24-2	Benzo(g,h,i)perylene	1.0	10		U
50-32-8	Benzo(a)pyrene	1.0	10		U
100-51-6	Benzyl alcohol	1.0	10		U
92-52-4	1,1'-Biphenyl	1.0	5.2		U
111-91-1	bis(2-Chloroethoxy)methane	1.0	10		U
111-44-4	bis(2-Chloroethyl)ether	1.0	10		U
108-60-1	bis(2-Chloroisopropyl)ether	1.0	10		U
117-81-7	Bis(2-ethylhexyl)phthalate	1.0	10		U
101-55-3	4-Bromophenyl-phenylether	1.0	10		U
85-68-7	Butylbenzylphthalate	1.0	10		U
105-60-2	Caprolactam	1.0	5.2		U
86-74-8	Carbazole	1.0	10		U
106-47-8	4-Chloroaniline	1.0	10		U
510-15-6	Chlorobenzilate	1.0	10		U
59-50-7	4-Chloro-3-methylphenol	1.0	10		U
91-58-7	2-Chloronaphthalene	1.0	10		U
95-57-8	2-Chlorophenol	1.0	10		U
7005-72-3	4-Chlorophenyl-phenylether	1.0	10		U
218-01-9	Chrysene	1.0	10		U
2303-16-4	Diallate	1.0	10		U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW10D-001

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW002

Matrix: (soil/water) WATER Lab Sample ID: 0612181-01

Sample wt/vol: 960.0 (g/mL) ML Lab File ID: 1218101

% Moisture: _____ decanted: (Y/N)___ Date Sampled: 12/20/06 09:15

Extraction: (SepF/Cont/Sonc/Soxh) SEPF Date Extracted:12/27/06

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 01/03/07 13:32

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
53-70-3	Dibenz(a,h)anthracene	1.0	10		U
132-64-9	Dibenzofuran	1.0	10		U
91-94-1	3,3'-Dichlorobenzidine	1.0	10		U
120-83-2	2,4-Dichlorophenol	1.0	10		U
87-65-0	2,6-Dichlorophenol	1.0	10		U
84-66-2	Diethylphthalate	10	10		U
60-51-5	Dimethoate	4.2	10		U
60-11-7	p-(Dimethylamino)azobenzene	1.0	10		U
57-97-6	7,12-Dimethylbenz[a]anthrace	1.0	10		U
119-93-7	3,3'-Dimethylbenzidine	44	52		U
122-09-8	a,a-Dimethyl-phenethylamine	1.0	10		U
105-67-9	2,4-Dimethylphenol	1.0	10		U
131-11-3	Dimethylphthalate	1.0	10		U
84-74-2	Di-n-butylphthalate	1.0	10		U
99-65-0	m-Dinitrobenzene	3.1	10		U
534-52-1	4,6-Dinitro-2-methylphenol	1.0	26		U
51-28-5	2,4-Dinitrophenol	10	26		U
121-14-2	2,4-Dinitrotoluene	1.0	10		U
606-20-2	2,6-Dinitrotoluene	1.0	10		U
117-84-0	Di-n-octylphthalate	1.0	10		U
122-39-4	Diphenylamine	1.0	10		U
62-50-0	Ethyl methanesulfonate	1.0	10		U
206-44-0	Fluoranthene	1.0	10		U
86-73-7	Fluorene	1.0	10		U
118-74-1	Hexachlorobenzene	1.0	10		U
87-68-3	Hexachlorobutadiene	1.0	10		U
77-47-4	Hexachlorocyclopentadiene	1.0	10		U
67-72-1	Hexachloroethane	1.0	10		U
70-30-4	Hexachlorophene	26	130		U
1888-71-7	Hexachloropropene	4.2	10		U
193-39-5	Indeno(1,2,3-cd)pyrene	1.0	10		U
465-73-6	Isodrin	2.1	10		U
78-59-1	Isophorone	1.0	10		U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW10D-001

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW002

Matrix: (soil/water) WATER Lab Sample ID: 0612181-01

Sample wt/vol: 960.0 (g/mL) ML Lab File ID: 1218101

% Moisture: _____ decanted: (Y/N)___ Date Sampled: 12/20/06 09:15

Extraction: (SepF/Cont/Sonc/Soxh) SEPF Date Extracted:12/27/06

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 01/03/07 13:32

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
120-58-1	Isosafrole	1.0	10		U
143-50-0	Kepone	1.0	10		U
91-80-5	Methapyrilene	1.0	10		U
56-49-5	3-Methylcholanthrene	1.0	10		U
66-27-3	Methyl methanesulfonate	1.0	5.2		U
91-57-6	2-Methylnaphthalene	1.0	10		U
106-44-5	4-Methylphenol	1.0	10		U
108-39-4	3-Methylphenol	1.0	10		U
95-48-7	2-Methylphenol	1.0	10		U
91-20-3	Naphthalene	1.0	10		U
130-15-4	1,4-Naphthoquinone	1.0	10		U
134-32-7	1-Naphthylamine	1.0	10		U
91-59-8	2-Naphthylamine	1.0	10		U
88-74-4	2-Nitroaniline	1.0	26		U
99-09-2	3-Nitroaniline	1.0	26		U
100-01-6	4-Nitroaniline	1.0	26		U
98-95-3	Nitrobenzene	1.0	10		U
88-75-5	2-Nitrophenol	1.0	10		U
100-02-7	4-Nitrophenol	5.2	26		U
56-57-5	4-Nitroquinoline-1-oxide	1.0	10		U
924-16-3	N-Nitrosodi-n-butylamine	1.0	10		U
55-18-5	N-Nitrosodiethylamine	1.0	10		U
62-75-9	N-Nitroso-di-methylamine	1.0	10		U
86-30-6	N-Nitrosodiphenylamine (1)	1.0	10		U
621-64-7	N-Nitroso-di-n-propylamine	0.83	10		U
10595-95-6	N-Nitrosomethylethylamine	4.2	10		U
59-89-2	N-Nitrosomorpholine	1.0	10		U
100-75-4	N-Nitrosopiperidine	1.0	10		U
930-55-2	N-Nitrosopyrrolidine	1.0	10		U
99-55-8	5-Nitro-o-toluidine	2.1	10		U
608-93-5	Pentachlorobenzene	4.2	10		U
82-68-8	Pentachloronitrobenzene	4.2	10		U
76-01-7	Pentachloroethane	4.2	10		U

(1) - Cannot be separated from Diphenylamine

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW10D-001

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW002

Matrix: (soil/water) WATER Lab Sample ID: 0612181-01

Sample wt/vol: 960.0 (g/mL) ML Lab File ID: 1218101

% Moisture: _____ decanted: (Y/N)___ Date Sampled: 12/20/06 09:15

Extraction: (SepF/Cont/Sonc/Soxh) SEPF Date Extracted:12/27/06

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 01/03/07 13:32

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
87-86-5	Pentachlorophenol	10	26		U
62-44-2	Phenacetin	1.0	10		U
85-01-8	Phenanthrene	1.0	10		U
108-95-2	Phenol	1.0	10		U
106-50-3	p-Phenylenediamine	1.0	10		U
109-06-8	2-Picoline	7.3	10		U
23950-58-5	Pronamide	1.0	10		U
129-00-0	Pyrene	1.0	10		U
110-86-1	Pyridine	1.0	10		U
94-59-7	Safrole	1.0	10		U
95-94-3	1,2,4,5-Tetrachlorobenzene	3.1	10		U
58-90-2	2,3,4,6-Tetrachlorophenol	1.0	10		U
95-53-4	o-Toluidine	4.2	10		U
120-82-1	1,2,4-Trichlorobenzene	1.0	10		U
95-95-4	2,4,5-Trichlorophenol	1.0	26		U
88-06-2	2,4,6-Trichlorophenol	1.0	10		U
126-68-1	O,O,O-Triethylphosphorothioa	3.1	10		U
99-35-4	sym-Trinitrobenzene	3.1	10		U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.
OLFS4-MW1
0D-001 RE

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW002

Matrix: (soil/water) WATER Lab Sample ID: 0612181-01

Sample wt/vol: 960.0 (g/mL) ML Lab File ID: 121811RE

% Moisture: _____ decanted: (Y/N)___ Date Sampled: 12/20/06 09:15

Extraction: (SepF/Cont/Sonc/Soxh) SEPF Date Extracted:01/03/07

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 01/04/07 14:55

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
83-32-9	Acenaphthene	1.0	10		U
208-96-8	Acenaphthylene	1.0	10		U
98-86-2	Acetophenone	1.0	10		U
53-96-3	2-Acetylaminofluorene	2.1	10		U
92-67-1	4-Aminobiphenyl	2.1	10		U
62-53-3	Aniline	1.0	10		U
140-57-8	Aramite	1.0	10		U
120-12-7	Anthracene	1.0	10		U
1912-24-9	Atrazine	1.0	5.2		U
100-52-7	Benzaldehyde	1.0	5.2		U
56-55-3	Benzo(a)anthracene	1.0	10		U
205-99-2	Benzo(b)fluoranthene	1.0	10		U
207-08-9	Benzo(k)fluoranthene	1.0	10		U
191-24-2	Benzo(g,h,i)perylene	1.0	10		U
50-32-8	Benzo(a)pyrene	1.0	10		U
100-51-6	Benzyl alcohol	1.0	10		U
92-52-4	1,1'-Biphenyl	1.0	5.2		U
111-91-1	bis(2-Chloroethoxy)methane	1.0	10		U
111-44-4	bis(2-Chloroethyl)ether	1.0	10		U
108-60-1	bis(2-Chloroisopropyl)ether	1.0	10		U
117-81-7	Bis(2-ethylhexyl)phthalate	1.0	10		U
101-55-3	4-Bromophenyl-phenylether	1.0	10		U
85-68-7	Butylbenzylphthalate	1.0	10		U
105-60-2	Caprolactam	1.0	5.2		U
86-74-8	Carbazole	1.0	10		U
106-47-8	4-Chloroaniline	1.0	10		U
510-15-6	Chlorobenzilate	1.0	10		U
59-50-7	4-Chloro-3-methylphenol	1.0	10		U
91-58-7	2-Chloronaphthalene	1.0	10		U
95-57-8	2-Chlorophenol	1.0	10		U
7005-72-3	4-Chlorophenyl-phenylether	1.0	10		U
218-01-9	Chrysene	1.0	10		U
2303-16-4	Diallate	1.0	10		U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.
OLFS4-MW1
0D-001 RE

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW002

Matrix: (soil/water) WATER Lab Sample ID: 0612181-01

Sample wt/vol: 960.0 (g/mL) ML Lab File ID: 121811RE

% Moisture: _____ decanted: (Y/N)___ Date Sampled: 12/20/06 09:15

Extraction: (SepF/Cont/Sonc/Soxh) SEPF Date Extracted:01/03/07

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 01/04/07 14:55

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
53-70-3	Dibenz(a,h)anthracene	1.0	10		U
132-64-9	Dibenzofuran	1.0	10		U
91-94-1	3,3'-Dichlorobenzidine	1.0	10		U
120-83-2	2,4-Dichlorophenol	1.0	10		U
87-65-0	2,6-Dichlorophenol	1.0	10		U
84-66-2	Diethylphthalate	1.0	10		U
60-51-5	Dimethoate	4.2	10		U
60-11-7	p-(Dimethylamino)azobenzene	1.0	10		U
57-97-6	7,12-Dimethylbenz[a]anthrace	1.0	10		U
119-93-7	3,3'-Dimethylbenzidine	44	52		U
122-09-8	a,a-Dimethyl-phenethylamine	1.0	10		U
105-67-9	2,4-Dimethylphenol	1.0	10		U
131-11-3	Dimethylphthalate	1.0	10		U
84-74-2	Di-n-butylphthalate	1.0	10		U
99-65-0	m-Dinitrobenzene	3.1	10		U
534-52-1	4,6-Dinitro-2-methylphenol	1.0	26		U
51-28-5	2,4-Dinitrophenol	10	26		U
121-14-2	2,4-Dinitrotoluene	1.0	10		U
606-20-2	2,6-Dinitrotoluene	1.0	10		U
117-84-0	Di-n-octylphthalate	1.0	10		U
122-39-4	Diphenylamine	1.0	10		U
62-50-0	Ethyl methanesulfonate	1.0	10		U
206-44-0	Fluoranthene	1.0	10		U
86-73-7	Fluorene	1.0	10		U
118-74-1	Hexachlorobenzene	1.0	10		U
87-68-3	Hexachlorobutadiene	1.0	10		U
77-47-4	Hexachlorocyclopentadiene	1.0	10		U
67-72-1	Hexachloroethane	1.0	10		U
70-30-4	Hexachlorophene	26	130		U
1888-71-7	Hexachloropropene	4.2	10		U
193-39-5	Indeno(1,2,3-cd)pyrene	1.0	10		U
465-73-6	Isodrin	2.1	10		U
78-59-1	Isophorone	1.0	10		U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.
OLFS4-MW1
0D-001 RE

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW002

Matrix: (soil/water) WATER Lab Sample ID: 0612181-01

Sample wt/vol: 960.0 (g/mL) ML Lab File ID: 121811RE

% Moisture: _____ decanted: (Y/N)___ Date Sampled: 12/20/06 09:15

Extraction: (SepF/Cont/Sonc/Soxh) SEPF Date Extracted:01/03/07

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 01/04/07 14:55

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
120-58-1	Isosafrole	1.0	10		U
143-50-0	Kepone	1.0	10		U
91-80-5	Methapyrilene	1.0	10		U
56-49-5	3-Methylcholanthrene	1.0	10		U
66-27-3	Methyl methanesulfonate	1.0	5.2		U
91-57-6	2-Methylnaphthalene	1.0	10		U
106-44-5	4-Methylphenol	1.0	10		U
108-39-4	3-Methylphenol	1.0	10		U
95-48-7	2-Methylphenol	1.0	10		U
91-20-3	Naphthalene	1.0	10		U
130-15-4	1,4-Naphthoquinone	1.0	10		U
134-32-7	1-Naphthylamine	1.0	10		U
91-59-8	2-Naphthylamine	1.0	10		U
88-74-4	2-Nitroaniline	1.0	26		U
99-09-2	3-Nitroaniline	1.0	26		U
100-01-6	4-Nitroaniline	1.0	26		U
98-95-3	Nitrobenzene	1.0	10		U
88-75-5	2-Nitrophenol	1.0	10		U
100-02-7	4-Nitrophenol	5.2	26		U
56-57-5	4-Nitroquinoline-1-oxide	1.0	10		U
924-16-3	N-Nitrosodi-n-butylamine	1.0	10		U
55-18-5	N-Nitrosodiethylamine	1.0	10		U
62-75-9	N-Nitroso-di-methylamine	1.0	10		U
86-30-6	N-Nitrosodiphenylamine (1)	1.0	10		U
621-64-7	N-Nitroso-di-n-propylamine	0.83	10		U
10595-95-6	N-Nitrosomethylethylamine	4.2	10		U
59-89-2	N-Nitrosomorpholine	1.0	10		U
100-75-4	N-Nitrosopiperidine	1.0	10		U
930-55-2	N-Nitrosopyrrolidine	1.0	10		U
99-55-8	5-Nitro-o-toluidine	2.1	10		U
608-93-5	Pentachlorobenzene	4.2	10		U
82-68-8	Pentachloronitrobenzene	4.2	10		U
76-01-7	Pentachloroethane	4.2	10		U

(1) - Cannot be separated from Diphenylamine

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.
OLFS4-MW1
0D-001 RE

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW002

Matrix: (soil/water) WATER Lab Sample ID: 0612181-01

Sample wt/vol: 960.0 (g/mL) ML Lab File ID: 121811RE

% Moisture: _____ decanted: (Y/N)___ Date Sampled: 12/20/06 09:15

Extraction: (SepF/Cont/Sonc/Soxh) SEPF Date Extracted:01/03/07

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 01/04/07 14:55

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
87-86-5	Pentachlorophenol	1.0	26		U
62-44-2	Phenacetin	1.0	10		U
85-01-8	Phenanthrene	1.0	10		U
108-95-2	Phenol	1.0	10		U
106-50-3	p-Phenylenediamine	1.0	10		U
109-06-8	2-Picoline	7.3	10		U
23950-58-5	Pronamide	1.0	10		U
129-00-0	Pyrene	1.0	10		U
110-86-1	Pyridine	1.0	10		U
94-59-7	Safrole	1.0	10		U
95-94-3	1,2,4,5-Tetrachlorobenzene	3.1	10		U
58-90-2	2,3,4,6-Tetrachlorophenol	1.0	10		U
95-53-4	o-Toluidine	4.2	10		U
120-82-1	1,2,4-Trichlorobenzene	1.0	10		U
95-95-4	2,4,5-Trichlorophenol	1.0	26		U
88-06-2	2,4,6-Trichlorophenol	1.0	10		U
126-68-1	O,O,O-Triethylphosphorothioa	3.1	10		U
99-35-4	sym-Trinitrobenzene	3.1	10		U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW11S-001

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW002

Matrix: (soil/water) WATER Lab Sample ID: 0612181-02

Sample wt/vol: 920.0 (g/mL) ML Lab File ID: 1218102

% Moisture: _____ decanted: (Y/N)___ Date Sampled: 12/20/06 11:15

Extraction: (SepF/Cont/Sonc/Soxh) SEPF Date Extracted:12/27/06

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 01/03/07 14:07

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
83-32-9	Acenaphthene	1.1	11		U
208-96-8	Acenaphthylene	1.1	11		U
98-86-2	Acetophenone	1.1	11		U
53-96-3	2-Acetylaminofluorene	2.2	11		U
92-67-1	4-Aminobiphenyl	2.2	11		U
62-53-3	Aniline	1.1	11		U
140-57-8	Aramite	1.1	11		U
120-12-7	Anthracene	1.1	11		U
1912-24-9	Atrazine	1.1	5.4		U
100-52-7	Benzaldehyde	1.1	5.4		U
56-55-3	Benzo(a)anthracene	1.1	11		U
205-99-2	Benzo(b)fluoranthene	1.1	11		U
207-08-9	Benzo(k)fluoranthene	1.1	11		U
191-24-2	Benzo(g,h,i)perylene	1.1	11		U
50-32-8	Benzo(a)pyrene	1.1	11		U
100-51-6	Benzyl alcohol	1.1	11		U
92-52-4	1,1'-Biphenyl	1.1	5.4		U
111-91-1	bis(2-Chloroethoxy)methane	1.1	11		U
111-44-4	bis(2-Chloroethyl)ether	1.1	11		U
108-60-1	bis(2-Chloroisopropyl)ether	1.1	11		U
117-81-7	Bis(2-ethylhexyl)phthalate	1.1	11		U
101-55-3	4-Bromophenyl-phenylether	1.1	11		U
85-68-7	Butylbenzylphthalate	1.1	11		U
105-60-2	Caprolactam	1.1	5.4		U
86-74-8	Carbazole	1.1	11		U
106-47-8	4-Chloroaniline	1.1	11		U
510-15-6	Chlorobenzilate	1.1	11		U
59-50-7	4-Chloro-3-methylphenol	1.1	11		U
91-58-7	2-Chloronaphthalene	1.1	11		U
95-57-8	2-Chlorophenol	1.1	11		U
7005-72-3	4-Chlorophenyl-phenylether	1.1	11		U
218-01-9	Chrysene	1.1	11		U
2303-16-4	Diallate	1.1	11		U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW11S-001

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW002

Matrix: (soil/water) WATER Lab Sample ID: 0612181-02

Sample wt/vol: 920.0 (g/mL) ML Lab File ID: 1218102

% Moisture: _____ decanted: (Y/N)___ Date Sampled: 12/20/06 11:15

Extraction: (SepF/Cont/Sonc/Soxh) SEPF Date Extracted:12/27/06

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 01/03/07 14:07

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
53-70-3	Dibenz(a,h)anthracene	1.1	11		U
132-64-9	Dibenzofuran	1.1	11		U
91-94-1	3,3'-Dichlorobenzidine	1.1	11		U
120-83-2	2,4-Dichlorophenol	1.1	11		U
87-65-0	2,6-Dichlorophenol	1.1	11		U
84-66-2	Diethylphthalate	11	11		U
60-51-5	Dimethoate	4.3	11		U
60-11-7	p-(Dimethylamino)azobenzene	1.1	11		U
57-97-6	7,12-Dimethylbenz[a]anthrace	1.1	11		U
119-93-7	3,3'-Dimethylbenzidine	46	54		U
122-09-8	a,a-Dimethyl-phenethylamine	1.1	11		U
105-67-9	2,4-Dimethylphenol	1.1	11		U
131-11-3	Dimethylphthalate	1.1	11		U
84-74-2	Di-n-butylphthalate	1.1	11		U
99-65-0	m-Dinitrobenzene	3.3	11		U
534-52-1	4,6-Dinitro-2-methylphenol	1.1	27		U
51-28-5	2,4-Dinitrophenol	11	27		U
121-14-2	2,4-Dinitrotoluene	1.1	11		U
606-20-2	2,6-Dinitrotoluene	1.1	11		U
117-84-0	Di-n-octylphthalate	1.1	11		U
122-39-4	Diphenylamine	1.1	11		U
62-50-0	Ethyl methanesulfonate	1.1	11		U
206-44-0	Fluoranthene	1.1	11		U
86-73-7	Fluorene	1.1	11		U
118-74-1	Hexachlorobenzene	1.1	11		U
87-68-3	Hexachlorobutadiene	1.1	11		U
77-47-4	Hexachlorocyclopentadiene	1.1	11		U
67-72-1	Hexachloroethane	1.1	11		U
70-30-4	Hexachlorophene	27	140		U
1888-71-7	Hexachloropropene	4.3	11		U
193-39-5	Indeno(1,2,3-cd)pyrene	1.1	11		U
465-73-6	Isodrin	2.2	11		U
78-59-1	Isophorone	1.1	11		U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW11S-001

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW002

Matrix: (soil/water) WATER Lab Sample ID: 0612181-02

Sample wt/vol: 920.0 (g/mL) ML Lab File ID: 1218102

% Moisture: _____ decanted: (Y/N)___ Date Sampled: 12/20/06 11:15

Extraction: (SepF/Cont/Sonc/Soxh) SEPF Date Extracted:12/27/06

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 01/03/07 14:07

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
120-58-1	Isosafrole	1.1	11		U
143-50-0	Kepone	1.1	11		U
91-80-5	Methapyrilene	1.1	11		U
56-49-5	3-Methylcholanthrene	1.1	11		U
66-27-3	Methyl methanesulfonate	1.1	5.4		U
91-57-6	2-Methylnaphthalene	1.1	11		U
106-44-5	4-Methylphenol	1.1	11		U
108-39-4	3-Methylphenol	1.1	11		U
95-48-7	2-Methylphenol	1.1	11		U
91-20-3	Naphthalene	1.1	11		U
130-15-4	1,4-Naphthoquinone	1.1	11		U
134-32-7	1-Naphthylamine	1.1	11		U
91-59-8	2-Naphthylamine	1.1	11		U
88-74-4	2-Nitroaniline	1.1	27		U
99-09-2	3-Nitroaniline	1.1	27		U
100-01-6	4-Nitroaniline	1.1	27		U
98-95-3	Nitrobenzene	1.1	11		U
88-75-5	2-Nitrophenol	1.1	11		U
100-02-7	4-Nitrophenol	5.4	27		U
56-57-5	4-Nitroquinoline-1-oxide	1.1	11		U
924-16-3	N-Nitrosodi-n-butylamine	1.1	11		U
55-18-5	N-Nitrosodiethylamine	1.1	11		U
62-75-9	N-Nitroso-di-methylamine	1.1	11		U
86-30-6	N-Nitrosodiphenylamine (1)	1.1	11		U
621-64-7	N-Nitroso-di-n-propylamine	0.87	11		U
10595-95-6	N-Nitrosomethylethylamine	4.3	11		U
59-89-2	N-Nitrosomorpholine	1.1	11		U
100-75-4	N-Nitrosopiperidine	1.1	11		U
930-55-2	N-Nitrosopyrrolidine	1.1	11		U
99-55-8	5-Nitro-o-toluidine	2.2	11		U
608-93-5	Pentachlorobenzene	4.3	11		U
82-68-8	Pentachloronitrobenzene	4.3	11		U
76-01-7	Pentachloroethane	4.3	11		U

(1) - Cannot be separated from Diphenylamine

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW11S-001

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW002

Matrix: (soil/water) WATER Lab Sample ID: 0612181-02

Sample wt/vol: 920.0 (g/mL) ML Lab File ID: 1218102

% Moisture: _____ decanted: (Y/N)___ Date Sampled: 12/20/06 11:15

Extraction: (SepF/Cont/Sonc/Soxh) SEPF Date Extracted:12/27/06

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 01/03/07 14:07

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
87-86-5	Pentachlorophenol	11	27		U
62-44-2	Phenacetin	1.1	11		U
85-01-8	Phenanthrene	1.1	11		U
108-95-2	Phenol	1.1	11		U
106-50-3	p-Phenylenediamine	1.1	11		U
109-06-8	2-Picoline	7.6	11		U
23950-58-5	Pronamide	1.1	11		U
129-00-0	Pyrene	1.1	11		U
110-86-1	Pyridine	1.1	11		U
94-59-7	Safrole	1.1	11		U
95-94-3	1,2,4,5-Tetrachlorobenzene	3.3	11		U
58-90-2	2,3,4,6-Tetrachlorophenol	1.1	11		U
95-53-4	o-Toluidine	4.3	11		U
120-82-1	1,2,4-Trichlorobenzene	1.1	11		U
95-95-4	2,4,5-Trichlorophenol	1.1	27		U
88-06-2	2,4,6-Trichlorophenol	1.1	11		U
126-68-1	O,O,O-Triethylphosphorothioa	3.3	11		U
99-35-4	sym-Trinitrobenzene	3.3	11		U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW13S-001

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW002

Matrix: (soil/water) WATER Lab Sample ID: 0612181-03

Sample wt/vol: 940.0 (g/mL) ML Lab File ID: 1218103

% Moisture: _____ decanted: (Y/N)___ Date Sampled: 12/20/06 10:00

Extraction: (SepF/Cont/Sonc/Soxh) SEPF Date Extracted:12/27/06

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 01/03/07 14:42

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
83-32-9	Acenaphthene	1.1	11		U
208-96-8	Acenaphthylene	1.1	11		U
98-86-2	Acetophenone	1.1	11		U
53-96-3	2-Acetylaminofluorene	2.1	11		U
92-67-1	4-Aminobiphenyl	2.1	11		U
62-53-3	Aniline	1.1	11		U
140-57-8	Aramite	1.1	11		U
120-12-7	Anthracene	1.1	11		U
1912-24-9	Atrazine	1.1	5.3		U
100-52-7	Benzaldehyde	1.1	5.3		U
56-55-3	Benzo(a)anthracene	1.1	11		U
205-99-2	Benzo(b)fluoranthene	1.1	11		U
207-08-9	Benzo(k)fluoranthene	1.1	11		U
191-24-2	Benzo(g,h,i)perylene	1.1	11		U
50-32-8	Benzo(a)pyrene	1.1	11		U
100-51-6	Benzyl alcohol	1.1	11		U
92-52-4	1,1'-Biphenyl	1.1	5.3		U
111-91-1	bis(2-Chloroethoxy)methane	1.1	11		U
111-44-4	bis(2-Chloroethyl)ether	1.1	11		U
108-60-1	bis(2-Chloroisopropyl)ether	1.1	11		U
117-81-7	Bis(2-ethylhexyl)phthalate	1.1	11		U
101-55-3	4-Bromophenyl-phenylether	1.1	11		U
85-68-7	Butylbenzylphthalate	1.1	11		U
105-60-2	Caprolactam	1.1	5.3		U
86-74-8	Carbazole	1.1	11		U
106-47-8	4-Chloroaniline	1.1	11		U
510-15-6	Chlorobenzilate	1.1	11		U
59-50-7	4-Chloro-3-methylphenol	1.1	11		U
91-58-7	2-Chloronaphthalene	1.1	11		U
95-57-8	2-Chlorophenol	1.1	11		U
7005-72-3	4-Chlorophenyl-phenylether	1.1	11		U
218-01-9	Chrysene	1.1	11		U
2303-16-4	Diallate	1.1	11		U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW13S-001

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW002

Matrix: (soil/water) WATER Lab Sample ID: 0612181-03

Sample wt/vol: 940.0 (g/mL) ML Lab File ID: 1218103

% Moisture: _____ decanted: (Y/N)___ Date Sampled: 12/20/06 10:00

Extraction: (SepF/Cont/Sonc/Soxh) SEPF Date Extracted:12/27/06

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 01/03/07 14:42

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
53-70-3	Dibenz(a,h)anthracene	1.1	11		U
132-64-9	Dibenzofuran	1.1	11		U
91-94-1	3,3'-Dichlorobenzidine	1.1	11		U
120-83-2	2,4-Dichlorophenol	1.1	11		U
87-65-0	2,6-Dichlorophenol	1.1	11		U
84-66-2	Diethylphthalate	11	11		U
60-51-5	Dimethoate	4.2	11		U
60-11-7	p-(Dimethylamino)azobenzene	1.1	11		U
57-97-6	7,12-Dimethylbenz[a]anthrace	1.1	11		U
119-93-7	3,3'-Dimethylbenzidine	45	53		U
122-09-8	a,a-Dimethyl-phenethylamine	1.1	11		U
105-67-9	2,4-Dimethylphenol	1.1	11		U
131-11-3	Dimethylphthalate	1.1	11		U
84-74-2	Di-n-butylphthalate	1.1	11		U
99-65-0	m-Dinitrobenzene	3.2	11		U
534-52-1	4,6-Dinitro-2-methylphenol	1.1	26		U
51-28-5	2,4-Dinitrophenol	11	26		U
121-14-2	2,4-Dinitrotoluene	1.1	11		U
606-20-2	2,6-Dinitrotoluene	1.1	11		U
117-84-0	Di-n-octylphthalate	1.1	11		U
122-39-4	Diphenylamine	1.1	11		U
62-50-0	Ethyl methanesulfonate	1.1	11		U
206-44-0	Fluoranthene	1.1	11		U
86-73-7	Fluorene	1.1	11		U
118-74-1	Hexachlorobenzene	1.1	11		U
87-68-3	Hexachlorobutadiene	1.1	11		U
77-47-4	Hexachlorocyclopentadiene	1.1	11		U
67-72-1	Hexachloroethane	1.1	11		U
70-30-4	Hexachlorophene	26	130		U
1888-71-7	Hexachloropropene	4.2	11		U
193-39-5	Indeno(1,2,3-cd)pyrene	1.1	11		U
465-73-6	Isodrin	2.1	11		U
78-59-1	Isophorone	1.1	11		U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW13S-001

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW002

Matrix: (soil/water) WATER Lab Sample ID: 0612181-03

Sample wt/vol: 940.0 (g/mL) ML Lab File ID: 1218103

% Moisture: _____ decanted: (Y/N)___ Date Sampled: 12/20/06 10:00

Extraction: (SepF/Cont/Sonc/Soxh) SEPF Date Extracted:12/27/06

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 01/03/07 14:42

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
120-58-1	Isosafrole	1.1	11		U
143-50-0	Kepone	1.1	11		U
91-80-5	Methapyrilene	1.1	11		U
56-49-5	3-Methylcholanthrene	1.1	11		U
66-27-3	Methyl methanesulfonate	1.1	5.3		U
91-57-6	2-Methylnaphthalene	1.1	11		U
106-44-5	4-Methylphenol	1.1	11		U
108-39-4	3-Methylphenol	1.1	11		U
95-48-7	2-Methylphenol	1.1	11		U
91-20-3	Naphthalene	1.1	11		U
130-15-4	1,4-Naphthoquinone	1.1	11		U
134-32-7	1-Naphthylamine	1.1	11		U
91-59-8	2-Naphthylamine	1.1	11		U
88-74-4	2-Nitroaniline	1.1	26		U
99-09-2	3-Nitroaniline	1.1	26		U
100-01-6	4-Nitroaniline	1.1	26		U
98-95-3	Nitrobenzene	1.1	11		U
88-75-5	2-Nitrophenol	1.1	11		U
100-02-7	4-Nitrophenol	5.3	26		U
56-57-5	4-Nitroquinoline-1-oxide	1.1	11		U
924-16-3	N-Nitrosodi-n-butylamine	1.1	11		U
55-18-5	N-Nitrosodiethylamine	1.1	11		U
62-75-9	N-Nitroso-di-methylamine	1.1	11		U
86-30-6	N-Nitrosodiphenylamine (1)	1.1	11		U
621-64-7	N-Nitroso-di-n-propylamine	0.85	11		U
10595-95-6	N-Nitrosomethylethylamine	4.2	11		U
59-89-2	N-Nitrosomorpholine	1.1	11		U
100-75-4	N-Nitrosopiperidine	1.1	11		U
930-55-2	N-Nitrosopyrrolidine	1.1	11		U
99-55-8	5-Nitro-o-toluidine	2.1	11		U
608-93-5	Pentachlorobenzene	4.2	11		U
82-68-8	Pentachloronitrobenzene	4.2	11		U
76-01-7	Pentachloroethane	4.2	11		U

(1) - Cannot be separated from Diphenylamine

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW13S-001

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW002

Matrix: (soil/water) WATER Lab Sample ID: 0612181-03

Sample wt/vol: 940.0 (g/mL) ML Lab File ID: 1218103

% Moisture: _____ decanted: (Y/N)___ Date Sampled: 12/20/06 10:00

Extraction: (SepF/Cont/Sonc/Soxh) SEPF Date Extracted:12/27/06

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 01/03/07 14:42

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
87-86-5	Pentachlorophenol	11	26		U
62-44-2	Phenacetin	1.1	11		U
85-01-8	Phenanthrene	1.1	11		U
108-95-2	Phenol	1.1	11		U
106-50-3	p-Phenylenediamine	1.1	11		U
109-06-8	2-Picoline	7.4	11		U
23950-58-5	Pronamide	1.1	11		U
129-00-0	Pyrene	1.1	11		U
110-86-1	Pyridine	1.1	11		U
94-59-7	Safrole	1.1	11		U
95-94-3	1,2,4,5-Tetrachlorobenzene	3.2	11		U
58-90-2	2,3,4,6-Tetrachlorophenol	1.1	11		U
95-53-4	o-Toluidine	4.2	11		U
120-82-1	1,2,4-Trichlorobenzene	1.1	11		U
95-95-4	2,4,5-Trichlorophenol	1.1	26		U
88-06-2	2,4,6-Trichlorophenol	1.1	11		U
126-68-1	O,O,O-Triethylphosphorothioa	3.2	11		U
99-35-4	sym-Trinitrobenzene	3.2	11		U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW20S-001

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW002

Matrix: (soil/water) WATER Lab Sample ID: 0612181-05

Sample wt/vol: 850.0 (g/mL) ML Lab File ID: 1218105

% Moisture: _____ decanted: (Y/N)___ Date Sampled: 12/20/06 14:00

Extraction: (SepF/Cont/Sonc/Soxh) SEPF Date Extracted:12/27/06

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 01/03/07 15:17

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
83-32-9	Acenaphthene	1.2	12		U
208-96-8	Acenaphthylene	1.2	12		U
98-86-2	Acetophenone	1.2	12		U
53-96-3	2-Acetylaminofluorene	2.4	12		U
92-67-1	4-Aminobiphenyl	2.4	12		U
62-53-3	Aniline	1.2	12		U
140-57-8	Aramite	1.2	12		U
120-12-7	Anthracene	1.2	12		U
1912-24-9	Atrazine	1.2	5.9		U
100-52-7	Benzaldehyde	1.2	5.9		U
56-55-3	Benzo(a)anthracene	1.2	12		U
205-99-2	Benzo(b)fluoranthene	1.2	12		U
207-08-9	Benzo(k)fluoranthene	1.2	12		U
191-24-2	Benzo(g,h,i)perylene	1.2	12		U
50-32-8	Benzo(a)pyrene	1.2	12		U
100-51-6	Benzyl alcohol	1.2	12		U
92-52-4	1,1'-Biphenyl	1.2	5.9		U
111-91-1	bis(2-Chloroethoxy)methane	1.2	12		U
111-44-4	bis(2-Chloroethyl)ether	1.2	12		U
108-60-1	bis(2-Chloroisopropyl)ether	1.2	12		U
117-81-7	Bis(2-ethylhexyl)phthalate	1.2	12		U
101-55-3	4-Bromophenyl-phenylether	1.2	12		U
85-68-7	Butylbenzylphthalate	1.2	12		U
105-60-2	Caprolactam	1.2	5.9		U
86-74-8	Carbazole	1.2	12		U
106-47-8	4-Chloroaniline	1.2	12		U
510-15-6	Chlorobenzilate	1.2	12		U
59-50-7	4-Chloro-3-methylphenol	1.2	12		U
91-58-7	2-Chloronaphthalene	1.2	12		U
95-57-8	2-Chlorophenol	1.2	12		U
7005-72-3	4-Chlorophenyl-phenylether	1.2	12		U
218-01-9	Chrysene	1.2	12		U
2303-16-4	Diallate	1.2	12		U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW20S-001

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW002

Matrix: (soil/water) WATER Lab Sample ID: 0612181-05

Sample wt/vol: 850.0 (g/mL) ML Lab File ID: 1218105

% Moisture: _____ decanted: (Y/N)___ Date Sampled: 12/20/06 14:00

Extraction: (SepF/Cont/Sonc/Soxh) SEPF Date Extracted:12/27/06

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 01/03/07 15:17

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
53-70-3	Dibenz(a,h)anthracene	1.2	12		U
132-64-9	Dibenzofuran	1.2	12		U
91-94-1	3,3'-Dichlorobenzidine	1.2	12		U
120-83-2	2,4-Dichlorophenol	1.2	12		U
87-65-0	2,6-Dichlorophenol	1.2	12		U
84-66-2	Diethylphthalate	12	12		U
60-51-5	Dimethoate	4.7	12		U
60-11-7	p-(Dimethylamino)azobenzene	1.2	12		U
57-97-6	7,12-Dimethylbenz[a]anthrace	1.2	12		U
119-93-7	3,3'-Dimethylbenzidine	49	59		U
122-09-8	a,a-Dimethyl-phenethylamine	1.2	12		U
105-67-9	2,4-Dimethylphenol	1.2	12		U
131-11-3	Dimethylphthalate	1.2	12		U
84-74-2	Di-n-butylphthalate	1.2	12		U
99-65-0	m-Dinitrobenzene	3.5	12		U
534-52-1	4,6-Dinitro-2-methylphenol	1.2	29		U
51-28-5	2,4-Dinitrophenol	12	29		U
121-14-2	2,4-Dinitrotoluene	1.2	12		U
606-20-2	2,6-Dinitrotoluene	1.2	12		U
117-84-0	Di-n-octylphthalate	1.2	12		U
122-39-4	Diphenylamine	1.2	12		U
62-50-0	Ethyl methanesulfonate	1.2	12		U
206-44-0	Fluoranthene	1.2	12		U
86-73-7	Fluorene	1.2	12		U
118-74-1	Hexachlorobenzene	1.2	12		U
87-68-3	Hexachlorobutadiene	1.2	12		U
77-47-4	Hexachlorocyclopentadiene	1.2	12		U
67-72-1	Hexachloroethane	1.2	12		U
70-30-4	Hexachlorophene	29	150		U
1888-71-7	Hexachloropropene	4.7	12		U
193-39-5	Indeno(1,2,3-cd)pyrene	1.2	12		U
465-73-6	Isodrin	2.4	12		U
78-59-1	Isophorone	1.2	12		U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.
OLFS4-MW20S-001

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW002

Matrix: (soil/water) WATER Lab Sample ID: 0612181-05

Sample wt/vol: 850.0 (g/mL) ML Lab File ID: 1218105

% Moisture: _____ decanted: (Y/N)___ Date Sampled: 12/20/06 14:00

Extraction: (SepF/Cont/Sonc/Soxh) SEPF Date Extracted:12/27/06

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 01/03/07 15:17

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
120-58-1	Isosafrole	1.2	12		U
143-50-0	Kepone	1.2	12		U
91-80-5	Methapyrilene	1.2	12		U
56-49-5	3-Methylcholanthrene	1.2	12		U
66-27-3	Methyl methanesulfonate	1.2	5.9		U
91-57-6	2-Methylnaphthalene	1.2	12		U
106-44-5	4-Methylphenol	1.2	12		U
108-39-4	3-Methylphenol	1.2	12		U
95-48-7	2-Methylphenol	1.2	12		U
91-20-3	Naphthalene	1.2	12		U
130-15-4	1,4-Naphthoquinone	1.2	12		U
134-32-7	1-Naphthylamine	1.2	12		U
91-59-8	2-Naphthylamine	1.2	12		U
88-74-4	2-Nitroaniline	1.2	29		U
99-09-2	3-Nitroaniline	1.2	29		U
100-01-6	4-Nitroaniline	1.2	29		U
98-95-3	Nitrobenzene	1.2	12		U
88-75-5	2-Nitrophenol	1.2	12		U
100-02-7	4-Nitrophenol	5.9	29		U
56-57-5	4-Nitroquinoline-1-oxide	1.2	12		U
924-16-3	N-Nitrosodi-n-butylamine	1.2	12		U
55-18-5	N-Nitrosodiethylamine	1.2	12		U
62-75-9	N-Nitroso-di-methylamine	1.2	12		U
86-30-6	N-Nitrosodiphenylamine (1)	1.2	12		U
621-64-7	N-Nitroso-di-n-propylamine	0.94	12		U
10595-95-6	N-Nitrosomethylethylamine	4.7	12		U
59-89-2	N-Nitrosomorpholine	1.2	12		U
100-75-4	N-Nitrosopiperidine	1.2	12		U
930-55-2	N-Nitrosopyrrolidine	1.2	12		U
99-55-8	5-Nitro-o-toluidine	2.4	12		U
608-93-5	Pentachlorobenzene	4.7	12		U
82-68-8	Pentachloronitrobenzene	4.7	12		U
76-01-7	Pentachloroethane	4.7	12		U

(1) - Cannot be separated from Diphenylamine

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW20S-001

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW002

Matrix: (soil/water) WATER Lab Sample ID: 0612181-05

Sample wt/vol: 850.0 (g/mL) ML Lab File ID: 1218105

% Moisture: _____ decanted: (Y/N)___ Date Sampled: 12/20/06 14:00

Extraction: (SepF/Cont/Sonc/Soxh) SEPF Date Extracted:12/27/06

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 01/03/07 15:17

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
87-86-5	Pentachlorophenol	12	29		U
62-44-2	Phenacetin	1.2	12		U
85-01-8	Phenanthrene	1.2	12		U
108-95-2	Phenol	1.2	12		U
106-50-3	p-Phenylenediamine	1.2	12		U
109-06-8	2-Picoline	8.2	12		U
23950-58-5	Pronamide	1.2	12		U
129-00-0	Pyrene	1.2	12		U
110-86-1	Pyridine	1.2	12		U
94-59-7	Safrole	1.2	12		U
95-94-3	1,2,4,5-Tetrachlorobenzene	3.5	12		U
58-90-2	2,3,4,6-Tetrachlorophenol	1.2	12		U
95-53-4	o-Toluidine	4.7	12		U
120-82-1	1,2,4-Trichlorobenzene	1.2	12		U
95-95-4	2,4,5-Trichlorophenol	1.2	29		U
88-06-2	2,4,6-Trichlorophenol	1.2	12		U
126-68-1	O,O,O-Triethylphosphorothioa	3.5	12		U
99-35-4	sym-Trinitrobenzene	3.5	12		U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW18S-001

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW002

Matrix: (soil/water) WATER Lab Sample ID: 0612193-01

Sample wt/vol: 900.0 (g/mL) ML Lab File ID: 1219301

% Moisture: _____ decanted: (Y/N)___ Date Sampled: 12/21/06 11:00

Extraction: (SepF/Cont/Sonc/Soxh) SEPF Date Extracted:12/27/06

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 01/03/07 12:21

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
83-32-9	Acenaphthene	1.1	11		U
208-96-8	Acenaphthylene	1.1	11		U
98-86-2	Acetophenone	1.1	11		U
53-96-3	2-Acetylaminofluorene	2.2	11		U
92-67-1	4-Aminobiphenyl	2.2	11		U
62-53-3	Aniline	1.1	11		U
140-57-8	Aramite	1.1	11		U
120-12-7	Anthracene	1.1	11		U
1912-24-9	Atrazine	1.1	5.6		U
100-52-7	Benzaldehyde	1.1	5.6		U
56-55-3	Benzo(a)anthracene	1.1	11		U
205-99-2	Benzo(b)fluoranthene	1.1	11		U
207-08-9	Benzo(k)fluoranthene	1.1	11		U
191-24-2	Benzo(g,h,i)perylene	1.1	11		U
50-32-8	Benzo(a)pyrene	1.1	11		U
100-51-6	Benzyl alcohol	1.1	11		U
92-52-4	1,1'-Biphenyl	1.1	5.6		U
111-91-1	bis(2-Chloroethoxy)methane	1.1	11		U
111-44-4	bis(2-Chloroethyl)ether	1.1	11		U
108-60-1	bis(2-Chloroisopropyl)ether	1.1	11		U
117-81-7	Bis(2-ethylhexyl)phthalate	1.1	11		U
101-55-3	4-Bromophenyl-phenylether	1.1	11		U
85-68-7	Butylbenzylphthalate	1.1	11		U
105-60-2	Caprolactam	1.1	5.6		U
86-74-8	Carbazole	1.1	11		U
106-47-8	4-Chloroaniline	1.1	11		U
510-15-6	Chlorobenzilate	1.1	11		U
59-50-7	4-Chloro-3-methylphenol	1.1	11		U
91-58-7	2-Chloronaphthalene	1.1	11		U
95-57-8	2-Chlorophenol	1.1	11		U
7005-72-3	4-Chlorophenyl-phenylether	1.1	11		U
218-01-9	Chrysene	1.1	11		U
2303-16-4	Diallate	1.1	11		U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW18S-001

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW002

Matrix: (soil/water) WATER Lab Sample ID: 0612193-01

Sample wt/vol: 900.0 (g/mL) ML Lab File ID: 1219301

% Moisture: _____ decanted: (Y/N)___ Date Sampled: 12/21/06 11:00

Extraction: (SepF/Cont/Sonc/Soxh) SEPF Date Extracted:12/27/06

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 01/03/07 12:21

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
53-70-3	Dibenz(a,h)anthracene	1.1	11		U
132-64-9	Dibenzofuran	1.1	11		U
91-94-1	3,3'-Dichlorobenzidine	1.1	11		U
120-83-2	2,4-Dichlorophenol	1.1	11		U
87-65-0	2,6-Dichlorophenol	1.1	11		U
84-66-2	Diethylphthalate	11	11		U
60-51-5	Dimethoate	4.4	11		U
60-11-7	p-(Dimethylamino)azobenzene	1.1	11		U
57-97-6	7,12-Dimethylbenz[a]anthrace	1.1	11		U
119-93-7	3,3'-Dimethylbenzidine	47	56		U
122-09-8	a,a-Dimethyl-phenethylamine	1.1	11		U
105-67-9	2,4-Dimethylphenol	1.1	11		U
131-11-3	Dimethylphthalate	1.1	11		U
84-74-2	Di-n-butylphthalate	1.1	11		U
99-65-0	m-Dinitrobenzene	3.3	11		U
534-52-1	4,6-Dinitro-2-methylphenol	1.1	28		U
51-28-5	2,4-Dinitrophenol	11	28		U
121-14-2	2,4-Dinitrotoluene	1.1	11		U
606-20-2	2,6-Dinitrotoluene	1.1	11		U
117-84-0	Di-n-octylphthalate	1.1	11		U
122-39-4	Diphenylamine	1.1	11		U
62-50-0	Ethyl methanesulfonate	1.1	11		U
206-44-0	Fluoranthene	1.1	11		U
86-73-7	Fluorene	1.1	11		U
118-74-1	Hexachlorobenzene	1.1	11		U
87-68-3	Hexachlorobutadiene	1.1	11		U
77-47-4	Hexachlorocyclopentadiene	1.1	11		U
67-72-1	Hexachloroethane	1.1	11		U
70-30-4	Hexachlorophene	28	140		U
1888-71-7	Hexachloropropene	4.4	11		U
193-39-5	Indeno(1,2,3-cd)pyrene	1.1	11		U
465-73-6	Isodrin	2.2	11		U
78-59-1	Isophorone	1.1	11		U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW18S-001

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW002

Matrix: (soil/water) WATER Lab Sample ID: 0612193-01

Sample wt/vol: 900.0 (g/mL) ML Lab File ID: 1219301

% Moisture: _____ decanted: (Y/N)___ Date Sampled: 12/21/06 11:00

Extraction: (SepF/Cont/Sonc/Soxh) SEPF Date Extracted:12/27/06

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 01/03/07 12:21

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
120-58-1	Isosafrole	1.1	11		U
143-50-0	Kepone	1.1	11		U
91-80-5	Methapyrilene	1.1	11		U
56-49-5	3-Methylcholanthrene	1.1	11		U
66-27-3	Methyl methanesulfonate	1.1	5.6		U
91-57-6	2-Methylnaphthalene	1.1	11		U
106-44-5	4-Methylphenol	1.1	11		U
108-39-4	3-Methylphenol	1.1	11		U
95-48-7	2-Methylphenol	1.1	11		U
91-20-3	Naphthalene	1.1	11		U
130-15-4	1,4-Naphthoquinone	1.1	11		U
134-32-7	1-Naphthylamine	1.1	11		U
91-59-8	2-Naphthylamine	1.1	11		U
88-74-4	2-Nitroaniline	1.1	28		U
99-09-2	3-Nitroaniline	1.1	28		U
100-01-6	4-Nitroaniline	1.1	28		U
98-95-3	Nitrobenzene	1.1	11		U
88-75-5	2-Nitrophenol	1.1	11		U
100-02-7	4-Nitrophenol	5.6	28		U
56-57-5	4-Nitroquinoline-1-oxide	1.1	11		U
924-16-3	N-Nitrosodi-n-butylamine	1.1	11		U
55-18-5	N-Nitrosodiethylamine	1.1	11		U
62-75-9	N-Nitroso-di-methylamine	1.1	11		U
86-30-6	N-Nitrosodiphenylamine (1)	1.1	11		U
621-64-7	N-Nitroso-di-n-propylamine	0.89	11		U
10595-95-6	N-Nitrosomethylethylamine	4.4	11		U
59-89-2	N-Nitrosomorpholine	1.1	11		U
100-75-4	N-Nitrosopiperidine	1.1	11		U
930-55-2	N-Nitrosopyrrolidine	1.1	11		U
99-55-8	5-Nitro-o-toluidine	2.2	11		U
608-93-5	Pentachlorobenzene	4.4	11		U
82-68-8	Pentachloronitrobenzene	4.4	11		U
76-01-7	Pentachloroethane	4.4	11		U

(1) - Cannot be separated from Diphenylamine

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW18S-001

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW002

Matrix: (soil/water) WATER Lab Sample ID: 0612193-01

Sample wt/vol: 900.0 (g/mL) ML Lab File ID: 1219301

% Moisture: _____ decanted: (Y/N)___ Date Sampled: 12/21/06 11:00

Extraction: (SepF/Cont/Sonc/Soxh) SEPF Date Extracted:12/27/06

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 01/03/07 12:21

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
87-86-5	Pentachlorophenol	11	28		U
62-44-2	Phenacetin	1.1	11		U
85-01-8	Phenanthrene	1.1	11		U
108-95-2	Phenol	1.1	11		U
106-50-3	p-Phenylenediamine	1.1	11		U
109-06-8	2-Picoline	7.8	11		U
23950-58-5	Pronamide	1.1	11		U
129-00-0	Pyrene	1.1	11		U
110-86-1	Pyridine	1.1	11		U
94-59-7	Safrole	1.1	11		U
95-94-3	1,2,4,5-Tetrachlorobenzene	3.3	11		U
58-90-2	2,3,4,6-Tetrachlorophenol	1.1	11		U
95-53-4	o-Toluidine	4.4	11		U
120-82-1	1,2,4-Trichlorobenzene	1.1	11		U
95-95-4	2,4,5-Trichlorophenol	1.1	28		U
88-06-2	2,4,6-Trichlorophenol	1.1	11		U
126-68-1	O,O,O-Triethylphosphorothioa	3.3	11		U
99-35-4	sym-Trinitrobenzene	3.3	11		U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW17S-001

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW002

Matrix: (soil/water) WATER Lab Sample ID: 0612193-03

Sample wt/vol: 875.0 (g/mL) ML Lab File ID: 1219303

% Moisture: _____ decanted: (Y/N)___ Date Sampled: 12/21/06 12:45

Extraction: (SepF/Cont/Sonc/Soxh) SEPF Date Extracted:12/27/06

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 01/03/07 12:57

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
83-32-9	Acenaphthene	1.1	11		U
208-96-8	Acenaphthylene	1.1	11		U
98-86-2	Acetophenone	1.1	11		U
53-96-3	2-Acetylaminofluorene	2.3	11		U
92-67-1	4-Aminobiphenyl	2.3	11		U
62-53-3	Aniline	1.1	11		U
140-57-8	Aramite	1.1	11		U
120-12-7	Anthracene	1.1	11		U
1912-24-9	Atrazine	1.1	5.7		U
100-52-7	Benzaldehyde	1.1	5.7		U
56-55-3	Benzo(a)anthracene	1.1	11		U
205-99-2	Benzo(b)fluoranthene	1.1	11		U
207-08-9	Benzo(k)fluoranthene	1.1	11		U
191-24-2	Benzo(g,h,i)perylene	1.1	11		U
50-32-8	Benzo(a)pyrene	1.1	11		U
100-51-6	Benzyl alcohol	1.1	11		U
92-52-4	1,1'-Biphenyl	1.1	5.7		U
111-91-1	bis(2-Chloroethoxy)methane	1.1	11		U
111-44-4	bis(2-Chloroethyl)ether	1.1	11		U
108-60-1	bis(2-Chloroisopropyl)ether	1.1	11		U
117-81-7	Bis(2-ethylhexyl)phthalate	1.1	11	1.8	I
101-55-3	4-Bromophenyl-phenylether	1.1	11		U
85-68-7	Butylbenzylphthalate	1.1	11		U
105-60-2	Caprolactam	1.1	5.7		U
86-74-8	Carbazole	1.1	11		U
106-47-8	4-Chloroaniline	1.1	11		U
510-15-6	Chlorobenzilate	1.1	11		U
59-50-7	4-Chloro-3-methylphenol	1.1	11		U
91-58-7	2-Chloronaphthalene	1.1	11		U
95-57-8	2-Chlorophenol	1.1	11		U
7005-72-3	4-Chlorophenyl-phenylether	1.1	11		U
218-01-9	Chrysene	1.1	11		U
2303-16-4	Diallate	1.1	11		U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW17S-001

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW002

Matrix: (soil/water) WATER Lab Sample ID: 0612193-03

Sample wt/vol: 875.0 (g/mL) ML Lab File ID: 1219303

% Moisture: _____ decanted: (Y/N)___ Date Sampled: 12/21/06 12:45

Extraction: (SepF/Cont/Sonc/Soxh) SEPF Date Extracted:12/27/06

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 01/03/07 12:57

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
53-70-3	Dibenz(a,h)anthracene	1.1	11		U
132-64-9	Dibenzofuran	1.1	11		U
91-94-1	3,3'-Dichlorobenzidine	1.1	11		U
120-83-2	2,4-Dichlorophenol	1.1	11		U
87-65-0	2,6-Dichlorophenol	1.1	11		U
84-66-2	Diethylphthalate	11	11		U
60-51-5	Dimethoate	4.6	11		U
60-11-7	p-(Dimethylamino)azobenzene	1.1	11		U
57-97-6	7,12-Dimethylbenz[a]anthrace	1.1	11		U
119-93-7	3,3'-Dimethylbenzidine	48	57		U
122-09-8	a,a-Dimethyl-phenethylamine	1.1	11		U
105-67-9	2,4-Dimethylphenol	1.1	11		U
131-11-3	Dimethylphthalate	1.1	11		U
84-74-2	Di-n-butylphthalate	1.1	11		U
99-65-0	m-Dinitrobenzene	3.4	11		U
534-52-1	4,6-Dinitro-2-methylphenol	1.1	28		U
51-28-5	2,4-Dinitrophenol	11	28		U
121-14-2	2,4-Dinitrotoluene	1.1	11		U
606-20-2	2,6-Dinitrotoluene	1.1	11		U
117-84-0	Di-n-octylphthalate	1.1	11		U
122-39-4	Diphenylamine	1.1	11		U
62-50-0	Ethyl methanesulfonate	1.1	11		U
206-44-0	Fluoranthene	1.1	11		U
86-73-7	Fluorene	1.1	11		U
118-74-1	Hexachlorobenzene	1.1	11		U
87-68-3	Hexachlorobutadiene	1.1	11		U
77-47-4	Hexachlorocyclopentadiene	1.1	11		U
67-72-1	Hexachloroethane	1.1	11		U
70-30-4	Hexachlorophene	28	140		U
1888-71-7	Hexachloropropene	4.6	11		U
193-39-5	Indeno(1,2,3-cd)pyrene	1.1	11		U
465-73-6	Isodrin	2.3	11		U
78-59-1	Isophorone	1.1	11		U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW17S-001

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW002

Matrix: (soil/water) WATER Lab Sample ID: 0612193-03

Sample wt/vol: 875.0 (g/mL) ML Lab File ID: 1219303

% Moisture: _____ decanted: (Y/N)___ Date Sampled: 12/21/06 12:45

Extraction: (SepF/Cont/Sonc/Soxh) SEPF Date Extracted:12/27/06

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 01/03/07 12:57

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
120-58-1	Isosafrole	1.1	11		U
143-50-0	Kepone	1.1	11		U
91-80-5	Methapyrilene	1.1	11		U
56-49-5	3-Methylcholanthrene	1.1	11		U
66-27-3	Methyl methanesulfonate	1.1	5.7		U
91-57-6	2-Methylnaphthalene	1.1	11		U
106-44-5	4-Methylphenol	1.1	11		U
108-39-4	3-Methylphenol	1.1	11		U
95-48-7	2-Methylphenol	1.1	11		U
91-20-3	Naphthalene	1.1	11		U
130-15-4	1,4-Naphthoquinone	1.1	11		U
134-32-7	1-Naphthylamine	1.1	11		U
91-59-8	2-Naphthylamine	1.1	11		U
88-74-4	2-Nitroaniline	1.1	28		U
99-09-2	3-Nitroaniline	1.1	28		U
100-01-6	4-Nitroaniline	1.1	28		U
98-95-3	Nitrobenzene	1.1	11		U
88-75-5	2-Nitrophenol	1.1	11		U
100-02-7	4-Nitrophenol	5.7	28		U
56-57-5	4-Nitroquinoline-1-oxide	1.1	11		U
924-16-3	N-Nitrosodi-n-butylamine	1.1	11		U
55-18-5	N-Nitrosodiethylamine	1.1	11		U
62-75-9	N-Nitroso-di-methylamine	1.1	11		U
86-30-6	N-Nitrosodiphenylamine (1)	1.1	11		U
621-64-7	N-Nitroso-di-n-propylamine	0.91	11		U
10595-95-6	N-Nitrosomethylethylamine	4.6	11		U
59-89-2	N-Nitrosomorpholine	1.1	11		U
100-75-4	N-Nitrosopiperidine	1.1	11		U
930-55-2	N-Nitrosopyrrolidine	1.1	11		U
99-55-8	5-Nitro-o-toluidine	2.3	11		U
608-93-5	Pentachlorobenzene	4.6	11		U
82-68-8	Pentachloronitrobenzene	4.6	11		U
76-01-7	Pentachloroethane	4.6	11		U

(1) - Cannot be separated from Diphenylamine

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW17S-001

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW002

Matrix: (soil/water) WATER Lab Sample ID: 0612193-03

Sample wt/vol: 875.0 (g/mL) ML Lab File ID: 1219303

% Moisture: _____ decanted: (Y/N)___ Date Sampled: 12/21/06 12:45

Extraction: (SepF/Cont/Sonc/Soxh) SEPF Date Extracted:12/27/06

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 01/03/07 12:57

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
87-86-5	Pentachlorophenol	11	28		U
62-44-2	Phenacetin	1.1	11		U
85-01-8	Phenanthrene	1.1	11		U
108-95-2	Phenol	1.1	11		U
106-50-3	p-Phenylenediamine	1.1	11		U
109-06-8	2-Picoline	8.0	11		U
23950-58-5	Pronamide	1.1	11		U
129-00-0	Pyrene	1.1	11		U
110-86-1	Pyridine	1.1	11		U
94-59-7	Safrole	1.1	11		U
95-94-3	1,2,4,5-Tetrachlorobenzene	3.4	11		U
58-90-2	2,3,4,6-Tetrachlorophenol	1.1	11		U
95-53-4	o-Toluidine	4.6	11		U
120-82-1	1,2,4-Trichlorobenzene	1.1	11		U
95-95-4	2,4,5-Trichlorophenol	1.1	28		U
88-06-2	2,4,6-Trichlorophenol	1.1	11		U
126-68-1	O,O,O-Triethylphosphorothioa	3.4	11		U
99-35-4	sym-Trinitrobenzene	3.4	11		U

PEL LABORATORIES INC

Client Sample ID: OLFS4-MW23S-001

EDB ORGANIC

Lab_ID:	250556501	**Work Order:**	2505565	**Project:**	Saufley
Date Sampled:	12/19/06 12:30	**Date Received:**	12/21/06 11:00	**Matrix:**	W
Prep Date:	12/22/06	**Analysis Date:**	12/23/06	**Run:**	E1122306
Prep Batch:	398819	**AnalysisTime:**	19:30		
Dilution Factor:	1	**Initial Wgt/Vol:**	35.1 mL	**Final Wgt/Vol:**	2 mL
Percent Moisture:	100	**Method:**	SW8011	**Instrument ID:**	SECD01

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
1,2-Dibromoethane(EDB)	0.0076 U	0.02	UG/L	0.0076

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,1,2,2-Tetrachloroethane	95.8	70 - 130

PEL LABORATORIES INC

Client Sample ID: OLFS4-MW22D-001

EDB ORGANIC

Lab_ID:	250556502	**Work Order:**	2505565	**Project:**	Saufley
Date Sampled:	12/19/06 13:45	**Date Received:**	12/21/06 11:00	**Matrix:**	W
Prep Date:	12/22/06	**Analysis Date:**	12/23/06	**Run:**	E1122306
Prep Batch:	398819	**AnalysisTime:**	21:02		
Dilution Factor:	1	**Initial Wgt/Vol:**	35.1 mL	**Final Wgt/Vol:**	2 mL
Percent Moisture:	100	**Method:**	SW8011	**Instrument ID:**	SECD01

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
1,2-Dibromoethane(EDB)	0.0076 U	0.02	UG/L	0.0076

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,1,2,2-Tetrachloroethane	100	70 - 130

PEL LABORATORIES INC

Client Sample ID: TRIP BLANK 4306

EDB ORGANIC

Lab_ID:	250556503	**Work Order:**	2505565	**Project:**	Saufley
Date Sampled:	12/19/06 00:00	**Date Received:**	12/21/06 11:00	**Matrix:**	WQ
Prep Date:	12/22/06	**Analysis Date:**	12/23/06	**Run:**	E1122306
Prep Batch:	398819	**AnalysisTime:**	21:32		
Dilution Factor:	1	**Initial Wgt/Vol:**	35.3 mL	**Final Wgt/Vol:**	2 mL
Percent Moisture:	100	**Method:**	SW8011	**Instrument ID:**	SECD01

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
1,2-Dibromoethane(EDB)	0.0075 U	0.02	UG/L	0.0075

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,1,2,2-Tetrachloroethane	112	70 - 130

PEL LABORATORIES INC

Client Sample ID: OLFS4-MW12S-001

EDB ORGANIC

Lab_ID:	250556504	**Work Order:**	2505565	**Project:**	Saufley
Date Sampled:	12/19/06 16:50	**Date Received:**	12/21/06 11:00	**Matrix:**	W
Prep Date:	12/22/06	**Analysis Date:**	12/23/06	**Run:**	E1122306
Prep Batch:	398819	**AnalysisTime:**	22:03		
Dilution Factor:	1	**Initial Wgt/Vol:**	35 mL	**Final Wgt/Vol:**	2 mL
Percent Moisture:	100	**Method:**	SW8011	**Instrument ID:**	SECD01

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
1,2-Dibromoethane(EDB)	0.0076 U	0.02	UG/L	0.0076

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,1,2,2-Tetrachloroethane	95.8	70 - 130

PEL LABORATORIES INC

Client Sample ID: OLFS4-MW10D-001

EDB ORGANIC

Lab_ID:	250556505	**Work Order:**	2505565	**Project:**	Saufley
Date Sampled:	12/20/06 09:15	**Date Received:**	12/22/06 12:15	**Matrix:**	W
Prep Date:	12/28/06	**Analysis Date:**	01/04/07	**Run:**	E1010307
Prep Batch:	399029	**AnalysisTime:**	10:17		
Dilution Factor:	1	**Initial Wgt/Vol:**	35.1 mL	**Final Wgt/Vol:**	2 mL
Percent Moisture:	100	**Method:**	SW8011	**Instrument ID:**	SECD01

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
1,2-Dibromoethane(EDB)	0.0076 U	0.02	UG/L	0.0076

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,1,2,2-Tetrachloroethane	91.7	70 - 130

PEL LABORATORIES INC

Client Sample ID: OLFS4-MW11S-001

EDB ORGANIC

Lab_ID:	250556506	**Work Order:**	2505565	**Project:**	Saufley
Date Sampled:	12/20/06 11:15	**Date Received:**	12/22/06 12:15	**Matrix:**	W
Prep Date:	12/28/06	**Analysis Date:**	01/04/07	**Run:**	E1010307
Prep Batch:	399029	**AnalysisTime:**	11:49		
Dilution Factor:	1	**Initial Wgt/Vol:**	35.3 mL	**Final Wgt/Vol:**	2 mL
Percent Moisture:	100	**Method:**	SW8011	**Instrument ID:**	SECD01

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
1,2-Dibromoethane(EDB)	0.0075 U	0.02	UG/L	0.0075

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,1,2,2-Tetrachloroethane	100	70 - 130

PEL LABORATORIES INC

Client Sample ID: OLFS4-MW13S-001

EDB ORGANIC

Lab_ID:	250556507	**Work Order:**	2505565	**Project:**	Saufley
Date Sampled:	12/20/06 10:00	**Date Received:**	12/22/06 12:15	**Matrix:**	W
Prep Date:	12/28/06	**Analysis Date:**	01/04/07	**Run:**	E1010307
Prep Batch:	399029	**AnalysisTime:**	12:20		
Dilution Factor:	1	**Initial Wgt/Vol:**	35.1 mL	**Final Wgt/Vol:**	2 mL
Percent Moisture:	100	**Method:**	SW8011	**Instrument ID:**	SECD01

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
1,2-Dibromoethane(EDB)	0.0076 U	0.02	UG/L	0.0076

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,1,2,2-Tetrachloroethane	95.8	70 - 130

PEL LABORATORIES INC

Client Sample ID: TRIP BLANK (4310)

EDB ORGANIC

Lab_ID:	250556508	**Work Order:**	2505565	**Project:**	Saufley
Date Sampled:	12/20/06 00:00	**Date Received:**	12/22/06 12:15	**Matrix:**	WQ
Prep Date:	12/28/06	**Analysis Date:**	01/04/07	**Run:**	E1010307
Prep Batch:	399029	**AnalysisTime:**	12:50		
Dilution Factor:	1	**Initial Wgt/Vol:**	35.1 mL	**Final Wgt/Vol:**	2 mL
Percent Moisture:	100	**Method:**	SW8011	**Instrument ID:**	SECD01

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
1,2-Dibromoethane(EDB)	0.0076 U	0.02	UG/L	0.0076

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,1,2,2-Tetrachloroethane	95.8	70 - 130

PEL LABORATORIES INC

Client Sample ID: OLFS4-MW20S-001

EDB ORGANIC

Lab_ID:	250556509	**Work Order:**	2505565	**Project:**	Saufley
Date Sampled:	12/20/06 14:00	**Date Received:**	12/22/06 12:15	**Matrix:**	W
Prep Date:	12/28/06	**Analysis Date:**	01/04/07	**Run:**	E1010307
Prep Batch:	399029	**AnalysisTime:**	13:21		
Dilution Factor:	1	**Initial Wgt/Vol:**	35.1 mL	**Final Wgt/Vol:**	2 mL
Percent Moisture:	100	**Method:**	SW8011	**Instrument ID:**	SECD01

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
1,2-Dibromoethane(EDB)	0.0076 U	0.02	UG/L	0.0076

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,1,2,2-Tetrachloroethane	95.8	70 - 130

PEL LABORATORIES INC

Client Sample ID: OLFS4-MW185-001

EDB ORGANIC

Lab_ID:	250559601	**Work Order:**	2505596	**Project:**	Saufley
Date Sampled:	12/21/06 11:00	**Date Received:**	12/28/06 10:00	**Matrix:**	W
Prep Date:	01/02/07	**Analysis Date:**	01/05/07	**Run:**	E1010507
Prep Batch:	399316	**AnalysisTime:**	10:28		
Dilution Factor:	1	**Initial Wgt/Vol:**	35 mL	**Final Wgt/Vol:**	2 mL
Percent Moisture:	100	**Method:**	SW8011	**Instrument ID:**	SECD01

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
1,2-Dibromoethane(EDB)	0.0076 U	0.02	UG/L	0.0076

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,1,2,2-Tetrachloroethane	117	70 - 130

PEL LABORATORIES INC

Client Sample ID: OLFS4-MW17S-001

EDB ORGANIC

Lab_ID:	250559602	**Work Order:**	2505596	**Project:**	Saufley
Date Sampled:	12/21/06 12:45	**Date Received:**	12/28/06 10:00	**Matrix:**	W
Prep Date:	01/02/07	**Analysis Date:**	01/05/07	**Run:**	E1010507
Prep Batch:	399316	**AnalysisTime:**	10:59		
Dilution Factor:	1	**Initial Wgt/Vol:**	35.7 mL	**Final Wgt/Vol:**	2 mL
Percent Moisture:	100	**Method:**	SW8011	**Instrument ID:**	SECD01

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
1,2-Dibromoethane(EDB)	0.0074 U	0.02	UG/L	0.0074

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,1,2,2-Tetrachloroethane	112	70 - 130

USEPA - 6010B
- 1 -
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-MW23S-001

Lab Name: Empirical Labs Contract: TetraTech NUS, Inc.

Lab Code: ELABN Case No.: SAS No.: SDG: SAUFLEYW002

Matrix: WATER Lab Sample ID: 0612175-01

Level (low/med): LOW Date Sampled: 12/19/06

% Solids: 0.0 Date Received: 12/20/06

Concentration Units (ug/L or mg/kg dry weight): ug/L

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
7440-22-4	Silver	1.0	10.0		U		P
7429-90-5	Aluminum	75.0	200	712			P
7440-38-2	Arsenic	3.0	10.0	3.9	I		P
7440-39-3	Barium	5.0	200	316			P
7440-41-7	Beryllium	4.0	10.0		U		P
7440-43-9	Cadmium	1.0	5.0		U		P
7440-48-4	Cobalt	5.0	50.0		U		P
7440-47-3	Chromium	2.0	10.0	16.2			P
7440-50-8	Copper	5.0	25.0		U		P
7439-89-6	Iron	30.0	100	34500			P
7440-09-7	Potassium	1000	5000	35600			P
7439-95-4	Magnesium	1000	5000	17100			P
7439-96-5	Manganese	3.0	15.0	2790			P
7440-23-5	Sodium	1000	5000	31900			P
7440-02-0	Nickel	5.0	40.0	12.3	I		P
7439-92-1	Lead	1.5	3.0	9.1			P
7440-36-0	Antimony	5.0	60.0		U		P
7782-49-2	Selenium	5.0	10.0		U		P
7440-62-2	Vanadium	5.0	50.0		U		P
7440-66-6	Zinc	10.0	20.0	10.7	I		P
7440-28-0	Thallium	0.75	2.5		U		P
7440-70-2	Calcium	5000	25000	181000			P

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

USEPA - 7470A
- 1 -
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-MW23S-001

Lab Name: Empirical Labs Contract: TetraTech NUS, Inc.

Lab Code: ELABN Case No.: SAS No.: SDG: SAUFLEYW002

Matrix: WATER Lab Sample ID: 0612175-01

Level (low/med): LOW Date Sampled: 12/19/06

% Solids: 0.0 Date Received: 12/20/06

Concentration Units (ug/L or mg/kg dry weight): ug/L

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
7439-97-6	Mercury	0.080	0.20		U	J3	AV

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

USEPA - 9012A

- 1 -

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-MW23S-001

Lab Name: Empirical Labs Contract: TetraTech NUS, Inc.

Lab Code: ELABN Case No.: SAS No.: SDG: SAUFLEYW002

Matrix: WATER Lab Sample ID: 0612175-01

Level (low/med): LOW Date Sampled: 12/19/06

% Solids: 0.0 Date Received: 12/20/06

Concentration Units (ug/L or mg/kg dry weight): ug/L

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
57-12-5	Cyanide	5.0	10.0		U		AS

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

USEPA - 6010B
- 1 -
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-MW22D-001

Lab Name: Empirical Labs Contract: TetraTech NUS, Inc.

Lab Code: ELABN Case No.: SAS No.: SDG: SAUFLEYW002

Matrix: WATER Lab Sample ID: 0612175-02

Level (low/med): LOW Date Sampled: 12/19/06

% Solids: 0.0 Date Received: 12/20/06

Concentration Units (ug/L or mg/kg dry weight): ug/L

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
7440-22-4	Silver	1.0	10.0		U		P
7429-90-5	Aluminum	75.0	200	342			P
7440-38-2	Arsenic	3.0	10.0		U		P
7440-39-3	Barium	5.0	200	23.2	I		P
7440-41-7	Beryllium	4.0	10.0		U		P
7440-70-2	Calcium	1000	5000		U		P
7440-43-9	Cadmium	1.0	5.0		U		P
7440-48-4	Cobalt	5.0	50.0		U		P
7440-47-3	Chromium	2.0	10.0	9.7	I		P
7440-50-8	Copper	5.0	25.0		U		P
7439-89-6	Iron	30.0	100	379			P
7440-09-7	Potassium	1000	5000		U		P
7439-95-4	Magnesium	1000	5000		U		P
7439-96-5	Manganese	3.0	15.0	12.8	I		P
7440-23-5	Sodium	1000	5000	3380	I		P
7440-02-0	Nickel	5.0	40.0	8.4	I		P
7439-92-1	Lead	1.5	3.0		U		P
7440-36-0	Antimony	5.0	60.0		U		P
7782-49-2	Selenium	5.0	10.0		U		P
7440-62-2	Vanadium	5.0	50.0		U		P
7440-66-6	Zinc	10.0	20.0		U		P
7440-28-0	Thallium	0.75	2.5		U		P

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

USEPA - 7470A
- 1 -
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-MW22D-001

Lab Name: Empirical Labs Contract: TetraTech NUS, Inc.

Lab Code: ELABN Case No.: SAS No.: SDG: SAUFLEYW002

Matrix: WATER Lab Sample ID: 0612175-02

Level (low/med): LOW Date Sampled: 12/19/06

% Solids: 0.0 Date Received: 12/20/06

Concentration Units (ug/L or mg/kg dry weight): ug/L

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
7439-97-6	Mercury	0.080	0.20		U	J3	AV

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

USEPA - 9012A

- 1 -

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-MW22D-001

Lab Name: Empirical Labs Contract: TetraTech NUS, Inc.

Lab Code: ELABN Case No.: SAS No.: SDG: SAUFLEYW002

Matrix: WATER Lab Sample ID: 0612175-02

Level (low/med): LOW Date Sampled: 12/19/06

% Solids: 0.0 Date Received: 12/20/06

Concentration Units (ug/L or mg/kg dry weight): ug/L

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
57-12-5	Cyanide	5.0	10.0		U		AS

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

USEPA - 6010B
- 1 -
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-MW12S-001

Lab Name: Empirical Labs Contract: TetraTech NUS, Inc.

Lab Code: ELABN Case No.: SAS No.: SDG: SAUFLEYW002

Matrix: WATER Lab Sample ID: 0612175-04

Level (low/med): LOW Date Sampled: 12/19/06

% Solids: 0.0 Date Received: 12/20/06

Concentration Units (ug/L or mg/kg dry weight): ug/L

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
7440-22-4	Silver	1.0	10.0		U		P
7429-90-5	Aluminum	75.0	200	309			P
7440-38-2	Arsenic	3.0	10.0	3.6	I		P
7440-39-3	Barium	5.0	200	19.7	I		P
7440-41-7	Beryllium	4.0	10.0		U		P
7440-70-2	Calcium	1000	5000	26000			P
7440-43-9	Cadmium	1.0	5.0		U		P
7440-48-4	Cobalt	5.0	50.0		U		P
7440-47-3	Chromium	2.0	10.0	13.9			P
7440-50-8	Copper	5.0	25.0		U		P
7439-89-6	Iron	30.0	100	297			P
7440-09-7	Potassium	1000	5000	1170	I		P
7439-95-4	Magnesium	1000	5000		U		P
7439-96-5	Manganese	3.0	15.0	28.1			P
7440-23-5	Sodium	1000	5000	3660	I		P
7440-02-0	Nickel	5.0	40.0	9.8	I		P
7439-92-1	Lead	1.5	3.0		U		P
7440-36-0	Antimony	5.0	60.0		U		P
7782-49-2	Selenium	5.0	10.0		U		P
7440-62-2	Vanadium	5.0	50.0		U		P
7440-66-6	Zinc	10.0	20.0		U		P
7440-28-0	Thallium	0.75	2.5		U		P

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

USEPA - 7470A
- 1 -
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-MW12S-001

Lab Name: Empirical Labs Contract: TetraTech NUS, Inc.

Lab Code: ELABN Case No.: SAS No.: SDG: SAUFLEYW002

Matrix: WATER Lab Sample ID: 0612175-04

Level (low/med): LOW Date Sampled: 12/19/06

% Solids: 0.0 Date Received: 12/20/06

Concentration Units (ug/L or mg/kg dry weight): ug/L

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
7439-97-6	Mercury	0.080	0.20		U	J3	AV

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

USEPA - 9012A

- 1 -

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-MW12S-001

Lab Name: Empirical Labs Contract: TetraTech NUS, Inc.

Lab Code: ELABN Case No.: SAS No.: SDG: SAUFLEYW002

Matrix: WATER Lab Sample ID: 0612175-04

Level (low/med): LOW Date Sampled: 12/19/06

% Solids: 0.0 Date Received: 12/20/06

Concentration Units (ug/L or mg/kg dry weight): ug/L

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
57-12-5	Cyanide	5.0	10.0		U		AS

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

USEPA - 6010B
- 1 -
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-MW10D-001

Lab Name: Empirical Labs Contract: TetraTech NUS, Inc.

Lab Code: ELABN Case No.: SAS No.: SDG: SAUFLEYW002

Matrix: WATER Lab Sample ID: 0612181-01

Level (low/med): LOW Date Sampled: 12/20/06

% Solids: 0.0 Date Received: 12/21/06

Concentration Units (ug/L or mg/kg dry weight): ug/L

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
7440-22-4	Silver	1.0	10.0		U		P
7429-90-5	Aluminum	75.0	200	539			P
7440-38-2	Arsenic	3.0	10.0		U		P
7440-39-3	Barium	5.0	200	104	I		P
7440-41-7	Beryllium	4.0	10.0		U		P
7440-70-2	Calcium	1000	5000	3930	I		P
7440-43-9	Cadmium	1.0	5.0		U		P
7440-48-4	Cobalt	5.0	50.0		U		P
7440-47-3	Chromium	2.0	10.0	22.0			P
7440-50-8	Copper	5.0	25.0	5.7	I		P
7439-89-6	Iron	30.0	100	1170			P
7440-09-7	Potassium	1000	5000	1450	I		P
7439-95-4	Magnesium	1000	5000	4900	I		P
7439-96-5	Manganese	3.0	15.0	46.7			P
7440-23-5	Sodium	1000	5000	6320			P
7440-02-0	Nickel	5.0	40.0	16.5	I		P
7439-92-1	Lead	1.5	3.0	12.2			P
7440-36-0	Antimony	5.0	60.0		U		P
7782-49-2	Selenium	5.0	10.0		U		P
7440-62-2	Vanadium	5.0	50.0		U		P
7440-66-6	Zinc	10.0	20.0	17.3	I		P
7440-28-0	Thallium	0.75	2.5		U		P

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

USEPA - 7470A
- 1 -
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-MW10D-001

Lab Name: Empirical Labs Contract: TetraTech NUS, Inc.

Lab Code: ELABN Case No.: SAS No.: SDG: SAUFLEYW002

Matrix: WATER Lab Sample ID: 0612181-01

Level (low/med): LOW Date Sampled: 12/20/06

% Solids: 0.0 Date Received: 12/21/06

Concentration Units (ug/L or mg/kg dry weight): ug/L

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
7439-97-6	Mercury	0.080	0.20		U	J3	AV

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

USEPA - 9012A

- 1 -

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-MW10D-001

Lab Name: Empirical Labs Contract: TetraTech NUS, Inc.

Lab Code: ELABN Case No.: SAS No.: SDG: SAUFLEYW002

Matrix: WATER Lab Sample ID: 0612181-01

Level (low/med): LOW Date Sampled: 12/20/06

% Solids: 0.0 Date Received: 12/21/06

Concentration Units (ug/L or mg/kg dry weight): ug/L

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
57-12-5	Cyanide	5.0	10.0		U		AS

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

USEPA - 6010B
- 1 -
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-MW11S-001

Lab Name: Empirical Labs Contract: TetraTech NUS, Inc.

Lab Code: ELABN Case No.: SAS No.: SDG: SAUFLEYW002

Matrix: WATER Lab Sample ID: 0612181-02

Level (low/med): LOW Date Sampled: 12/20/06

% Solids: 0.0 Date Received: 12/21/06

Concentration Units (ug/L or mg/kg dry weight): ug/L

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
7440-22-4	Silver	1.0	10.0		U		P
7429-90-5	Aluminum	75.0	200	560			P
7440-38-2	Arsenic	3.0	10.0		U		P
7440-39-3	Barium	5.0	200	29.3	I		P
7440-41-7	Beryllium	4.0	10.0		U		P
7440-70-2	Calcium	1000	5000	20800			P
7440-43-9	Cadmium	1.0	5.0		U		P
7440-48-4	Cobalt	5.0	50.0		U		P
7440-47-3	Chromium	2.0	10.0	5.9	I		P
7440-50-8	Copper	5.0	25.0		U		P
7439-89-6	Iron	30.0	100	1710			P
7440-09-7	Potassium	1000	5000	1950	I		P
7439-95-4	Magnesium	1000	5000	1740	I		P
7439-96-5	Manganese	3.0	15.0	185			P
7440-23-5	Sodium	1000	5000	5970			P
7440-02-0	Nickel	5.0	40.0	7.1	I		P
7439-92-1	Lead	1.5	3.0		U		P
7440-36-0	Antimony	5.0	60.0		U		P
7782-49-2	Selenium	5.0	10.0		U		P
7440-62-2	Vanadium	5.0	50.0		U		P
7440-66-6	Zinc	10.0	20.0		U		P
7440-28-0	Thallium	0.75	2.5		U		P

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

USEPA - 7470A
- 1 -
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-MW11S-001

Lab Name: Empirical Labs Contract: TetraTech NUS, Inc.

Lab Code: ELABN Case No.: SAS No.: SDG: SAUFLEYW002

Matrix: WATER Lab Sample ID: 0612181-02

Level (low/med): LOW Date Sampled: 12/20/06

% Solids: 0.0 Date Received: 12/21/06

Concentration Units (ug/L or mg/kg dry weight): ug/L

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
7439-97-6	Mercury	0.080	0.20		U	J3	AV

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

USEPA - 9012A

- 1 -

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-MW11S-001

Lab Name: Empirical Labs Contract: TetraTech NUS, Inc.

Lab Code: ELABN Case No.: SAS No.: SDG: SAUFLEYW002

Matrix: WATER Lab Sample ID: 0612181-02

Level (low/med): LOW Date Sampled: 12/20/06

% Solids: 0.0 Date Received: 12/21/06

Concentration Units (ug/L or mg/kg dry weight): ug/L

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
57-12-5	Cyanide	5.0	10.0		U		AS

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

USEPA - 6010B

- 1 -

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-MW13S-001

Lab Name: Empirical Labs Contract: TetraTech NUS, Inc.

Lab Code: ELABN Case No.: SAS No.: SDG: SAUFLEYW002

Matrix: WATER Lab Sample ID: 0612181-03

Level (low/med): LOW Date Sampled: 12/20/06

% Solids: 0.0 Date Received: 12/21/06

Concentration Units (ug/L or mg/kg dry weight): ug/L

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
7440-22-4	Silver	1.0	10.0		U		P
7429-90-5	Aluminum	75.0	200	795			P
7440-38-2	Arsenic	3.0	10.0		U		P
7440-39-3	Barium	5.0	200	54.0	I		P
7440-41-7	Beryllium	4.0	10.0		U		P
7440-70-2	Calcium	1000	5000	24600			P
7440-43-9	Cadmium	1.0	5.0		U		P
7440-48-4	Cobalt	5.0	50.0		U		P
7440-47-3	Chromium	2.0	10.0	43.6			P
7440-50-8	Copper	5.0	25.0		U		P
7439-89-6	Iron	30.0	100	719			P
7440-09-7	Potassium	1000	5000	2590	I		P
7439-95-4	Magnesium	1000	5000	2540	I		P
7439-96-5	Manganese	3.0	15.0	332			P
7440-23-5	Sodium	1000	5000	4530	I		P
7440-02-0	Nickel	5.0	40.0	33.7	I		P
7439-92-1	Lead	1.5	3.0	3.0	I		P
7440-36-0	Antimony	5.0	60.0		U		P
7782-49-2	Selenium	5.0	10.0		U		P
7440-62-2	Vanadium	5.0	50.0		U		P
7440-66-6	Zinc	10.0	20.0	28.9			P
7440-28-0	Thallium	0.75	2.5		U		P

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

USEPA - 7470A

- 1 -

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-MW13S-001

Lab Name: Empirical Labs Contract: TetraTech NUS, Inc.

Lab Code: ELABN Case No.: SAS No.: SDG: SAUFLEYW002

Matrix: WATER Lab Sample ID: 0612181-03

Level (low/med): LOW Date Sampled: 12/20/06

% Solids: 0.0 Date Received: 12/21/06

Concentration Units (ug/L or mg/kg dry weight): ug/L

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
7439-97-6	Mercury	0.080	0.20		U	J3	AV

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

USEPA - 9012A

- 1 -

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-MW13S-001

Lab Name: Empirical Labs Contract: TetraTech NUS, Inc.

Lab Code: ELABN Case No.: SAS No.: SDG: SAUFLEYW002

Matrix: WATER Lab Sample ID: 0612181-03

Level (low/med): LOW Date Sampled: 12/20/06

% Solids: 0.0 Date Received: 12/21/06

Concentration Units (ug/L or mg/kg dry weight): ug/L

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
57-12-5	Cyanide	5.0	10.0		U		AS

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

USEPA - 6010B
- 1 -
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-MW20S-001

Lab Name: Empirical Labs Contract: TetraTech NUS, Inc.

Lab Code: ELABN Case No.: SAS No.: SDG: SAUFLEYW002

Matrix: WATER Lab Sample ID: 0612181-05

Level (low/med): LOW Date Sampled: 12/20/06

% Solids: 0.0 Date Received: 12/21/06

Concentration Units (ug/L or mg/kg dry weight): ug/L

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
7440-22-4	Silver	1.0	10.0		U		P
7429-90-5	Aluminum	75.0	200	333			P
7440-38-2	Arsenic	3.0	10.0		U		P
7440-39-3	Barium	5.0	200	44.9	I		P
7440-41-7	Beryllium	4.0	10.0		U		P
7440-70-2	Calcium	1000	5000	28600			P
7440-43-9	Cadmium	1.0	5.0		U		P
7440-48-4	Cobalt	5.0	50.0		U		P
7440-47-3	Chromium	2.0	10.0	14.5			P
7440-50-8	Copper	5.0	25.0		U		P
7439-89-6	Iron	30.0	100	290			P
7440-09-7	Potassium	1000	5000	1700	I		P
7439-95-4	Magnesium	1000	5000	2150	I		P
7439-96-5	Manganese	3.0	15.0	173			P
7440-23-5	Sodium	1000	5000	3900	I		P
7440-02-0	Nickel	5.0	40.0	11.1	I		P
7439-92-1	Lead	1.5	3.0		U		P
7440-36-0	Antimony	5.0	60.0		U		P
7782-49-2	Selenium	5.0	10.0		U		P
7440-62-2	Vanadium	5.0	50.0		U		P
7440-66-6	Zinc	10.0	20.0	11.0	I		P
7440-28-0	Thallium	0.75	2.5		U		P

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

USEPA - 7470A
- 1 -
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-MW20S-001

Lab Name: Empirical Labs Contract: TetraTech NUS, Inc.

Lab Code: ELABN Case No.: SAS No.: SDG: SAUFLEYW002

Matrix: WATER Lab Sample ID: 0612181-05

Level (low/med): LOW Date Sampled: 12/20/06

% Solids: 0.0 Date Received: 12/21/06

Concentration Units (ug/L or mg/kg dry weight): ug/L

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
7439-97-6	Mercury	0.080	0.20		U	J3	AV

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

USEPA - 9012A

- 1 -

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-MW20S-001

Lab Name: Empirical Labs Contract: TetraTech NUS, Inc.

Lab Code: ELABN Case No.: SAS No.: SDG: SAUFLEYW002

Matrix: WATER Lab Sample ID: 0612181-05

Level (low/med): LOW Date Sampled: 12/20/06

% Solids: 0.0 Date Received: 12/21/06

Concentration Units (ug/L or mg/kg dry weight): ug/L

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
57-12-5	Cyanide	5.0	10.0		U		AS

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

USEPA - 6010B

- 1 -

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-MW18S-001

Lab Name: Empirical Labs Contract: TetraTech NUS, Inc.

Lab Code: ELABN Case No.: SAS No.: SDG: SAUFLEYW002

Matrix: WATER Lab Sample ID: 0612193-01

Level (low/med): LOW Date Sampled: 12/21/06

% Solids: 0.0 Date Received: 12/22/06

Concentration Units (ug/L or mg/kg dry weight): ug/L

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
7440-22-4	Silver	1.0	10.0		U		P
7429-90-5	Aluminum	75.0	200	2690			P
7440-38-2	Arsenic	3.0	10.0	3.9	I		P
7440-39-3	Barium	5.0	200	47.5	I		P
7440-41-7	Beryllium	4.0	10.0		U		P
7440-70-2	Calcium	1000	5000	13200			P
7440-43-9	Cadmium	1.0	5.0		U		P
7440-48-4	Cobalt	5.0	50.0		U		P
7440-47-3	Chromium	2.0	10.0	139			P
7440-50-8	Copper	5.0	25.0	11.6	I		P
7439-89-6	Iron	30.0	100	8190			P
7440-09-7	Potassium	1000	5000	2060	I		P
7439-95-4	Magnesium	1000	5000	1770	I		P
7439-96-5	Manganese	3.0	15.0	159			P
7440-23-5	Sodium	1000	5000	2200	I		P
7440-02-0	Nickel	5.0	40.0	96.2			P
7439-92-1	Lead	1.5	3.0	4.1			P
7440-36-0	Antimony	5.0	60.0		U		P
7782-49-2	Selenium	5.0	10.0		U		P
7440-62-2	Vanadium	5.0	50.0	9.9	I		P
7440-66-6	Zinc	10.0	20.0	67.9			P
7440-28-0	Thallium	0.75	2.5		U		P

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

USEPA - 7470A

- 1 -

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-MW18S-001

Lab Name: Empirical Labs Contract: TetraTech NUS, Inc.

Lab Code: ELABN Case No.: SAS No.: SDG: SAUFLEYW002

Matrix: WATER Lab Sample ID: 0612193-01

Level (low/med): LOW Date Sampled: 12/21/06

% Solids: 0.0 Date Received: 12/22/06

Concentration Units (ug/L or mg/kg dry weight): ug/L

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
7439-97-6	Mercury	0.080	0.20		U	J3	AV

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

USEPA - 9012A

- 1 -

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-MW18S-001

Lab Name: Empirical Labs Contract: TetraTech NUS, Inc.

Lab Code: ELABN Case No.: SAS No.: SDG: SAUFLEYW002

Matrix: WATER Lab Sample ID: 0612193-01

Level (low/med): LOW Date Sampled: 12/21/06

% Solids: 0.0 Date Received: 12/22/06

Concentration Units (ug/L or mg/kg dry weight): ug/L

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
57-12-5	Cyanide	5.0	10.0		U		AS

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

USEPA - 6010B
- 1 -
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-MW17S-001

Lab Name: Empirical Labs Contract: TetraTech NUS, Inc.

Lab Code: ELABN Case No.: SAS No.: SDG: SAUFLEYW002

Matrix: WATER Lab Sample ID: 0612193-03

Level (low/med): LOW Date Sampled: 12/21/06

% Solids: 0.0 Date Received: 12/22/06

Concentration Units (ug/L or mg/kg dry weight): ug/L

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
7440-22-4	Silver	1.0	10.0		U		P
7429-90-5	Aluminum	75.0	200	3110			P
7440-38-2	Arsenic	3.0	10.0	5.8	I		P
7440-39-3	Barium	5.0	200	46.4	I		P
7440-41-7	Beryllium	4.0	10.0		U		P
7440-70-2	Calcium	1000	5000	13400			P
7440-43-9	Cadmium	1.0	5.0		U		P
7440-48-4	Cobalt	5.0	50.0		U		P
7440-47-3	Chromium	2.0	10.0	138			P
7440-50-8	Copper	5.0	25.0	8.8	I		P
7439-89-6	Iron	30.0	100	8340			P
7440-09-7	Potassium	1000	5000	16200			P
7439-95-4	Magnesium	1000	5000	2190	I		P
7439-96-5	Manganese	3.0	15.0	209			P
7440-23-5	Sodium	1000	5000	10600			P
7440-02-0	Nickel	5.0	40.0	97.0			P
7439-92-1	Lead	1.5	3.0	2.7	I		P
7440-36-0	Antimony	5.0	60.0		U		P
7782-49-2	Selenium	5.0	10.0		U		P
7440-62-2	Vanadium	5.0	50.0	12.1	I		P
7440-66-6	Zinc	10.0	20.0	15.0	I		P
7440-28-0	Thallium	0.75	2.5		U		P

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

USEPA - 7470A

- 1 -

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-MW17S-001

Lab Name: Empirical Labs Contract: TetraTech NUS, Inc.

Lab Code: ELABN Case No.: SAS No.: SDG: SAUFLEYW002

Matrix: WATER Lab Sample ID: 0612193-03

Level (low/med): LOW Date Sampled: 12/21/06

% Solids: 0.0 Date Received: 12/22/06

Concentration Units (ug/L or mg/kg dry weight): ug/L

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
7439-97-6	Mercury	0.080	0.20		U	J3	AV

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

USEPA - 9012A
- 1 -
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-MW17S-001

Lab Name: Empirical Labs Contract: TetraTech NUS, Inc.

Lab Code: ELABN Case No.: SAS No.: SDG: SAUFLEYW002

Matrix: WATER Lab Sample ID: 0612193-03

Level (low/med): LOW Date Sampled: 12/21/06

% Solids: 0.0 Date Received: 12/22/06

Concentration Units (ug/L or mg/kg dry weight): ug/L

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
57-12-5	Cyanide	5.0	10.0		U		AS

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW23S-001

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW002

Matrix: (soil/water) WATER Lab Sample ID: 0612175-01

Sample wt/vol: 940.0 (g/mL) ML Lab File ID: 1217501

% Moisture: _____ decanted: (Y/N)___ Date Sampled: 12/19/06 12:30

Extraction: (SepF/Cont/Sonc/Soxh) SEPF Date Extracted:12/22/06

Concentrated Extract Volume: 500.0(uL) Date Analyzed: 12/27/06 23:40

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
83-32-9	Acenaphthene	0.011	0.053	0.40	
208-96-8	Acenaphthylene	0.0090	0.053		U
120-12-7	Anthracene	0.010	0.053		U
56-55-3	Benzo(a)anthracene	0.011	0.053		U
205-99-2	Benzo(b)fluoranthene	0.017	0.053		U
207-08-9	Benzo(k)fluoranthene	0.014	0.053		U
191-24-2	Benzo(g,h,i)perylene	0.014	0.053		U
50-32-8	Benzo(a)pyrene	0.010	0.053		U
218-01-9	Chrysene	0.0096	0.053		U
53-70-3	Dibenz(a,h)anthracene	0.013	0.053		U
206-44-0	Fluoranthene	0.012	0.053		U
86-73-7	Fluorene	0.013	0.053	0.15	
193-39-5	Indeno(1,2,3-cd)pyrene	0.019	0.053		U
91-57-6	2-Methylnaphthalene	0.017	0.053		U
90-12-0	1-Methylnaphthalene	0.011	0.053	0.035	I
91-20-3	Naphthalene	0.020	0.053		U
85-01-8	Phenanthrene	0.015	0.053		U
129-00-0	Pyrene	0.011	0.053		U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW22D-001

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW002

Matrix: (soil/water) WATER Lab Sample ID: 0612175-02

Sample wt/vol: 960.0 (g/mL) ML Lab File ID: 1217502

% Moisture: _____ decanted: (Y/N)___ Date Sampled: 12/19/06 13:45

Extraction: (SepF/Cont/Sonc/Soxh) SEPF Date Extracted:12/22/06

Concentrated Extract Volume: 500.0(uL) Date Analyzed: 12/28/06 00:19

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
83-32-9	Acenaphthene	0.010	0.052		U
208-96-8	Acenaphthylene	0.0088	0.052		U
120-12-7	Anthracene	0.0099	0.052		U
56-55-3	Benzo(a)anthracene	0.011	0.052		U
205-99-2	Benzo(b)fluoranthene	0.017	0.052		U
207-08-9	Benzo(k)fluoranthene	0.014	0.052		U
191-24-2	Benzo(g,h,i)perylene	0.014	0.052		U
50-32-8	Benzo(a)pyrene	0.0099	0.052		U
218-01-9	Chrysene	0.0094	0.052		U
53-70-3	Dibenz(a,h)anthracene	0.012	0.052		U
206-44-0	Fluoranthene	0.012	0.052		U
86-73-7	Fluorene	0.013	0.052		U
193-39-5	Indeno(1,2,3-cd)pyrene	0.019	0.052		U
91-57-6	2-Methylnaphthalene	0.017	0.052		U
90-12-0	1-Methylnaphthalene	0.010	0.052		U
91-20-3	Naphthalene	0.020	0.052		U
85-01-8	Phenanthrene	0.014	0.052		U
129-00-0	Pyrene	0.011	0.052		U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW12S-001

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW002

Matrix: (soil/water) WATER Lab Sample ID: 0612175-04

Sample wt/vol: 960.0 (g/mL) ML Lab File ID: 1217504

% Moisture: _____ decanted: (Y/N)___ Date Sampled: 12/19/06 16:50

Extraction: (SepF/Cont/Sonc/Soxh) SEPF Date Extracted:12/22/06

Concentrated Extract Volume: 500.0(uL) Date Analyzed: 12/28/06 00:57

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
83-32-9	Acenaphthene	0.010	0.052		U
208-96-8	Acenaphthylene	0.0088	0.052		U
120-12-7	Anthracene	0.0099	0.052		U
56-55-3	Benzo(a)anthracene	0.011	0.052	0.030	I
205-99-2	Benzo(b)fluoranthene	0.017	0.052	0.040	I
207-08-9	Benzo(k)fluoranthene	0.014	0.052	0.037	I
191-24-2	Benzo(g,h,i)perylene	0.014	0.052		U
50-32-8	Benzo(a)pyrene	0.0099	0.052	0.030	I
218-01-9	Chrysene	0.0094	0.052	0.046	I
53-70-3	Dibenz(a,h)anthracene	0.012	0.052		U
206-44-0	Fluoranthene	0.012	0.052	0.093	
86-73-7	Fluorene	0.013	0.052		U
193-39-5	Indeno(1,2,3-cd)pyrene	0.019	0.052		U
91-57-6	2-Methylnaphthalene	0.017	0.052		U
90-12-0	1-Methylnaphthalene	0.010	0.052	0.010	I
91-20-3	Naphthalene	0.020	0.052		U
85-01-8	Phenanthrene	0.014	0.052	0.070	
129-00-0	Pyrene	0.011	0.052	0.060	

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW10D-001

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW002

Matrix: (soil/water) WATER Lab Sample ID: 0612181-01

Sample wt/vol: 940.0 (g/mL) ML Lab File ID: 1218101

% Moisture: _____ decanted: (Y/N)___ Date Sampled: 12/20/06 09:15

Extraction: (SepF/Cont/Sonc/Soxh) SEPF Date Extracted:12/22/06

Concentrated Extract Volume: 500.0(uL) Date Analyzed: 12/28/06 01:36

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
83-32-9	Acenaphthene	0.011	0.053		U
208-96-8	Acenaphthylene	0.0090	0.053		U
120-12-7	Anthracene	0.010	0.053		U
56-55-3	Benzo(a)anthracene	0.011	0.053		U
205-99-2	Benzo(b)fluoranthene	0.017	0.053		U
207-08-9	Benzo(k)fluoranthene	0.014	0.053		U
191-24-2	Benzo(g,h,i)perylene	0.014	0.053		U
50-32-8	Benzo(a)pyrene	0.010	0.053		U
218-01-9	Chrysene	0.0096	0.053		U
53-70-3	Dibenz(a,h)anthracene	0.013	0.053		U
206-44-0	Fluoranthene	0.012	0.053		U
86-73-7	Fluorene	0.013	0.053		U
193-39-5	Indeno(1,2,3-cd)pyrene	0.019	0.053		U
91-57-6	2-Methylnaphthalene	0.017	0.053		U
90-12-0	1-Methylnaphthalene	0.011	0.053		U
91-20-3	Naphthalene	0.020	0.053		U
85-01-8	Phenanthrene	0.015	0.053		U
129-00-0	Pyrene	0.011	0.053		U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW11S-001

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW002

Matrix: (soil/water) WATER Lab Sample ID: 0612181-02

Sample wt/vol: 875.0 (g/mL) ML Lab File ID: 1218102

% Moisture: _____ decanted: (Y/N)___ Date Sampled: 12/20/06 11:15

Extraction: (SepF/Cont/Sonc/Soxh) SEPF Date Extracted:12/22/06

Concentrated Extract Volume: 500.0(uL) Date Analyzed: 12/28/06 02:15

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
83-32-9	Acenaphthene	0.011	0.057		U
208-96-8	Acenaphthylene	0.0097	0.057		U
120-12-7	Anthracene	0.011	0.057		U
56-55-3	Benzo(a)anthracene	0.012	0.057		U
205-99-2	Benzo(b)fluoranthene	0.018	0.057		U
207-08-9	Benzo(k)fluoranthene	0.015	0.057		U
191-24-2	Benzo(g,h,i)perylene	0.015	0.057		U
50-32-8	Benzo(a)pyrene	0.011	0.057		U
218-01-9	Chrysene	0.010	0.057		U
53-70-3	Dibenz(a,h)anthracene	0.014	0.057		U
206-44-0	Fluoranthene	0.013	0.057		U
86-73-7	Fluorene	0.014	0.057		U
193-39-5	Indeno(1,2,3-cd)pyrene	0.020	0.057		U
91-57-6	2-Methylnaphthalene	0.018	0.057		U
90-12-0	1-Methylnaphthalene	0.011	0.057		U
91-20-3	Naphthalene	0.022	0.057		U
85-01-8	Phenanthrene	0.016	0.057		U
129-00-0	Pyrene	0.012	0.057		U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW13S-001

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW002

Matrix: (soil/water) WATER Lab Sample ID: 0612181-03

Sample wt/vol: 940.0 (g/mL) ML Lab File ID: 1218103

% Moisture: _____ decanted: (Y/N)___ Date Sampled: 12/20/06 10:00

Extraction: (SepF/Cont/Sonc/Soxh) SEPF Date Extracted:12/22/06

Concentrated Extract Volume: 500.0(uL) Date Analyzed: 12/28/06 02:54

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
83-32-9	Acenaphthene	0.011	0.053		U
208-96-8	Acenaphthylene	0.0090	0.053		U
120-12-7	Anthracene	0.010	0.053		U
56-55-3	Benzo(a)anthracene	0.011	0.053		U
205-99-2	Benzo(b)fluoranthene	0.017	0.053		U
207-08-9	Benzo(k)fluoranthene	0.014	0.053		U
191-24-2	Benzo(g,h,i)perylene	0.014	0.053		U
50-32-8	Benzo(a)pyrene	0.010	0.053		U
218-01-9	Chrysene	0.0096	0.053		U
53-70-3	Dibenz(a,h)anthracene	0.013	0.053		U
206-44-0	Fluoranthene	0.012	0.053		U
86-73-7	Fluorene	0.013	0.053		U
193-39-5	Indeno(1,2,3-cd)pyrene	0.019	0.053		U
91-57-6	2-Methylnaphthalene	0.017	0.053		U
90-12-0	1-Methylnaphthalene	0.011	0.053		U
91-20-3	Naphthalene	0.020	0.053		U
85-01-8	Phenanthrene	0.015	0.053		U
129-00-0	Pyrene	0.011	0.053		U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW20S-001

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW002

Matrix: (soil/water) WATER Lab Sample ID: 0612181-05

Sample wt/vol: 940.0 (g/mL) ML Lab File ID: 1218105

% Moisture: _____ decanted: (Y/N)___ Date Sampled: 12/20/06 14:00

Extraction: (SepF/Cont/Sonc/Soxh) SEPF Date Extracted:12/22/06

Concentrated Extract Volume: 500.0(uL) Date Analyzed: 12/28/06 03:32

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
83-32-9	Acenaphthene	0.011	0.053		U
208-96-8	Acenaphthylene	0.0090	0.053		U
120-12-7	Anthracene	0.010	0.053		U
56-55-3	Benzo(a)anthracene	0.011	0.053		U
205-99-2	Benzo(b)fluoranthene	0.017	0.053		U
207-08-9	Benzo(k)fluoranthene	0.014	0.053		U
191-24-2	Benzo(g,h,i)perylene	0.014	0.053		U
50-32-8	Benzo(a)pyrene	0.010	0.053		U
218-01-9	Chrysene	0.0096	0.053		U
53-70-3	Dibenz(a,h)anthracene	0.013	0.053		U
206-44-0	Fluoranthene	0.012	0.053	0.016	I
86-73-7	Fluorene	0.013	0.053		U
193-39-5	Indeno(1,2,3-cd)pyrene	0.019	0.053		U
91-57-6	2-Methylnaphthalene	0.017	0.053		U
90-12-0	1-Methylnaphthalene	0.011	0.053		U
91-20-3	Naphthalene	0.020	0.053		U
85-01-8	Phenanthrene	0.015	0.053	0.027	I
129-00-0	Pyrene	0.011	0.053		U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW18S-001

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW002

Matrix: (soil/water) WATER Lab Sample ID: 0612193-01

Sample wt/vol: 875.0 (g/mL) ML Lab File ID: 1219301

% Moisture: _____ decanted: (Y/N)___ Date Sampled: 12/21/06 11:00

Extraction: (SepF/Cont/Sonc/Soxh) SEPF Date Extracted:12/28/06

Concentrated Extract Volume: 500.0(uL) Date Analyzed: 12/29/06 10:17

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
83-32-9	Acenaphthene	0.011	0.057		U
208-96-8	Acenaphthylene	0.0097	0.057		U
120-12-7	Anthracene	0.011	0.057		U
56-55-3	Benzo(a)anthracene	0.012	0.057		U
205-99-2	Benzo(b)fluoranthene	0.018	0.057		U
207-08-9	Benzo(k)fluoranthene	0.015	0.057		U
191-24-2	Benzo(g,h,i)perylene	0.015	0.057		U
50-32-8	Benzo(a)pyrene	0.011	0.057		U
218-01-9	Chrysene	0.010	0.057		U
53-70-3	Dibenz(a,h)anthracene	0.014	0.057		U
206-44-0	Fluoranthene	0.013	0.057		U
86-73-7	Fluorene	0.014	0.057		U
193-39-5	Indeno(1,2,3-cd)pyrene	0.020	0.057		U
91-57-6	2-Methylnaphthalene	0.018	0.057		U
90-12-0	1-Methylnaphthalene	0.011	0.057		U
91-20-3	Naphthalene	0.022	0.057		U
85-01-8	Phenanthrene	0.016	0.057	0.030	I
129-00-0	Pyrene	0.012	0.057		U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW17S-001

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW002

Matrix: (soil/water) WATER Lab Sample ID: 0612193-03

Sample wt/vol: 850.0 (g/mL) ML Lab File ID: 1219303

% Moisture: _____ decanted: (Y/N)___ Date Sampled: 12/21/06 12:45

Extraction: (SepF/Cont/Sonc/Soxh) SEPF Date Extracted:12/28/06

Concentrated Extract Volume: 500.0(uL) Date Analyzed: 12/29/06 10:56

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
83-32-9	Acenaphthene	0.012	0.059		U
208-96-8	Acenaphthylene	0.010	0.059		U
120-12-7	Anthracene	0.011	0.059		U
56-55-3	Benzo(a)anthracene	0.012	0.059		U
205-99-2	Benzo(b)fluoranthene	0.019	0.059		U
207-08-9	Benzo(k)fluoranthene	0.015	0.059		U
191-24-2	Benzo(g,h,i)perylene	0.015	0.059		U
50-32-8	Benzo(a)pyrene	0.011	0.059		U
218-01-9	Chrysene	0.010	0.059		U
53-70-3	Dibenz(a,h)anthracene	0.014	0.059		U
206-44-0	Fluoranthene	0.014	0.059		U
86-73-7	Fluorene	0.015	0.059		U
193-39-5	Indeno(1,2,3-cd)pyrene	0.021	0.059		U
91-57-6	2-Methylnaphthalene	0.019	0.059		U
90-12-0	1-Methylnaphthalene	0.012	0.059		U
91-20-3	Naphthalene	0.022	0.059		U
85-01-8	Phenanthrene	0.016	0.059		U
129-00-0	Pyrene	0.012	0.059		U

FORM 1
PCB ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW12S-001

Lab Name: EMPIRICAL LABS Contract: TETRA TECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW002

Matrix: (soil/water) WATER Lab Sample ID: 0612175-04

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 011F1101

% Moisture: _____ decanted: (Y/N)___ Date Sampled: 12/19/06 16:50

Extraction: (SepF/Cont/Sonc/Soxh) SEPF Date Extracted:12/21/06

Concentrated Extract Volume: 10.0(mL) Date Analyzed: 12/29/06 15:29

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
12674-11-2	PCB-1016	0.12	0.50		U
11104-28-2	PCB-1221	0.12	0.50		U
11141-16-5	PCB-1232	0.12	0.50		U
53469-21-9	PCB-1242	0.12	0.50		U
12672-29-6	PCB-1248	0.12	0.50		U
11097-69-1	PCB-1254	0.12	0.50		U
11096-82-5	PCB-1260	0.12	0.50		U

FORM 1
PCB ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW10D-001

Lab Name: EMPIRICAL LABS Contract: TETRA TECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW002

Matrix: (soil/water) WATER Lab Sample ID: 0612181-01

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 007F0701

% Moisture: _____ decanted: (Y/N)___ Date Sampled: 12/20/06 09:15

Extraction: (SepF/Cont/Sonc/Soxh) SEPF Date Extracted:12/21/06

Concentrated Extract Volume: 10.0(mL) Date Analyzed: 12/29/06 13:35

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
12674-11-2	PCB-1016	0.12	0.50		U
11104-28-2	PCB-1221	0.12	0.50		U
11141-16-5	PCB-1232	0.12	0.50		U
53469-21-9	PCB-1242	0.12	0.50		U
12672-29-6	PCB-1248	0.12	0.50		U
11097-69-1	PCB-1254	0.12	0.50		U
11096-82-5	PCB-1260	0.12	0.50		U

FORM 1
PCB ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW11S-001

Lab Name: EMPIRICAL LABS Contract: TETRA TECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW002

Matrix: (soil/water) WATER Lab Sample ID: 0612181-02

Sample wt/vol: 980.0 (g/mL) ML Lab File ID: 008F0801

% Moisture: _____ decanted: (Y/N)___ Date Sampled: 12/20/06 11:15

Extraction: (SepF/Cont/Sonc/Soxh) SEPF Date Extracted:12/21/06

Concentrated Extract Volume: 10.0(mL) Date Analyzed: 12/29/06 14:04

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
12674-11-2	PCB-1016	0.13	0.51		U
11104-28-2	PCB-1221	0.13	0.51		U
11141-16-5	PCB-1232	0.13	0.51		U
53469-21-9	PCB-1242	0.13	0.51		U
12672-29-6	PCB-1248	0.13	0.51		U
11097-69-1	PCB-1254	0.13	0.51		U
11096-82-5	PCB-1260	0.13	0.51		U

FORM 1
PCB ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW13S-001

Lab Name: EMPIRICAL LABS Contract: TETRA TECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW002

Matrix: (soil/water) WATER Lab Sample ID: 0612181-03

Sample wt/vol: 980.0 (g/mL) ML Lab File ID: 009F0901

% Moisture: _____ decanted: (Y/N)___ Date Sampled: 12/20/06 10:00

Extraction: (SepF/Cont/Sonc/Soxh) SEPF Date Extracted:12/21/06

Concentrated Extract Volume: 10.0(mL) Date Analyzed: 12/29/06 14:32

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
12674-11-2	PCB-1016	0.13	0.51		U
11104-28-2	PCB-1221	0.13	0.51		U
11141-16-5	PCB-1232	0.13	0.51		U
53469-21-9	PCB-1242	0.13	0.51		U
12672-29-6	PCB-1248	0.13	0.51		U
11097-69-1	PCB-1254	0.13	0.51		U
11096-82-5	PCB-1260	0.13	0.51		U

FORM 1
PCB ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW20S-001

Lab Name: EMPIRICAL LABS Contract: TETRA TECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW002

Matrix: (soil/water) WATER Lab Sample ID: 0612181-05

Sample wt/vol: 960.0 (g/mL) ML Lab File ID: 010F1001

% Moisture: _____ decanted: (Y/N)___ Date Sampled: 12/20/06 14:00

Extraction: (SepF/Cont/Sonc/Soxh) SEPF Date Extracted:12/21/06

Concentrated Extract Volume: 10.0(mL) Date Analyzed: 12/29/06 15:01

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
12674-11-2	PCB-1016	0.13	0.52		U
11104-28-2	PCB-1221	0.13	0.52		U
11141-16-5	PCB-1232	0.13	0.52		U
53469-21-9	PCB-1242	0.13	0.52		U
12672-29-6	PCB-1248	0.13	0.52		U
11097-69-1	PCB-1254	0.13	0.52		U
11096-82-5	PCB-1260	0.13	0.52		U

FORM 1
PCB ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW18S-001

Lab Name: EMPIRICAL LABS Contract: TETRA TECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW003

Matrix: (soil/water) WATER Lab Sample ID: 0612193-01

Sample wt/vol: 940.0 (g/mL) ML Lab File ID: 015F1501

% Moisture: _____ decanted: (Y/N)___ Date Sampled: 12/21/06 11:00

Extraction: (SepF/Cont/Sonc/Soxh) SEPF Date Extracted:12/28/06

Concentrated Extract Volume: 10.0(mL) Date Analyzed: 12/29/06 17:24

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
12674-11-2	PCB-1016	0.13	0.53		U
11104-28-2	PCB-1221	0.13	0.53		U
11141-16-5	PCB-1232	0.13	0.53		U
53469-21-9	PCB-1242	0.13	0.53		U
12672-29-6	PCB-1248	0.13	0.53		U
11097-69-1	PCB-1254	0.13	0.53		U
11096-82-5	PCB-1260	0.13	0.53		U

FORM 1
PCB ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW17S-001

Lab Name: EMPIRICAL LABS Contract: TETRA TECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW003

Matrix: (soil/water) WATER Lab Sample ID: 0612193-03

Sample wt/vol: 980.0 (g/mL) ML Lab File ID: 016F1601

% Moisture: _____ decanted: (Y/N)___ Date Sampled: 12/21/06 12:45

Extraction: (SepF/Cont/Sonc/Soxh) SEPF Date Extracted:12/28/06

Concentrated Extract Volume: 10.0(mL) Date Analyzed: 12/29/06 17:52

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
12674-11-2	PCB-1016	0.13	0.51		U
11104-28-2	PCB-1221	0.13	0.51		U
11141-16-5	PCB-1232	0.13	0.51		U
53469-21-9	PCB-1242	0.13	0.51		U
12672-29-6	PCB-1248	0.13	0.51		U
11097-69-1	PCB-1254	0.13	0.51		U
11096-82-5	PCB-1260	0.13	0.51		U

FORM 1
PESTA ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW23S-001

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: Case No.: SAUFLEYW002 SAS No.: NA SDG No.: SAUFLEYW002

Matrix: (soil/water) WATER Lab Sample ID: 0612175-01

Sample wt/vol: 940.0 (g/mL) ML Lab File ID: 029F2901

% Moisture: _____ decanted: (Y/N)___ Date Sampled: 12/19/06 12:30

Extraction: (SepF/Cont/Sonc/Soxh) SEPF Date Extracted:12/21/06

Concentrated Extract Volume: 10.0(mL) Date Analyzed: 01/16/07 01:19

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
309-00-2	Aldrin	0.0035	0.011		U
319-84-6	Alpha-BHC	0.0035	0.011		U
5103-71-9	Alpha-Chlordane	0.0035	0.011		U
319-85-7	Beta-BHC	0.0035	0.011	0.0094	J3J4
12789-03-6	Chlordane	0.018	0.053		U
72-54-8	4,4'-DDD	0.0053	0.021		U
72-55-9	4,4'-DDE	0.0053	0.021		U
50-29-3	4,4'-DDT	0.0053	0.021		U
319-86-8	Delta-BHC	0.0035	0.011		U
60-57-1	Dieldrin	0.0053	0.021		U
959-98-8	Endosulfan I	0.0035	0.011		U
33213-65-9	Endosulfan II	0.0053	0.021		U
1031-07-8	Endosulfan Sulfate	0.0053	0.021		U
72-20-8	Endrin	0.0053	0.021		U
7421-93-4	Endrin Aldehyde	0.0053	0.021		U
53494-70-5	Endrin Ketone	0.0053	0.021		U
58-89-9	Gamma-BHC	0.0035	0.011		U
5103-74-2	Gamma-Chlordane	0.0035	0.011		U
76-44-8	Heptachlor	0.0035	0.011		U
1024-57-3	Heptachlor Epoxide	0.0035	0.011		U
72-43-5	Methoxychlor	0.0035	0.011		U
8001-35-2	Toxaphene	0.35	1.1		U

FORM 1
PESTA ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW23S-001

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: Case No.: SAUFLEYW002 SAS No.: NA SDG No.: SAUFLEYW002

Matrix: (soil/water) WATER Lab Sample ID: 0612175-01

Sample wt/vol: 940.0 (g/mL) ML Lab File ID: 029F2901

% Moisture: _____ decanted: (Y/N)___ Date Sampled: 12/19/06 12:30

Extraction: (SepF/Cont/Sonc/Soxh) SEPF Date Extracted:12/21/06

Concentrated Extract Volume: 10.0(mL) Date Analyzed: 01/16/07 01:19

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
12674-11-2	PCB-1016	0.13	0.53		U
11104-28-2	PCB-1221	0.13	0.53		U
11141-16-5	PCB-1232	0.13	0.53		U
53469-21-9	PCB-1242	0.13	0.53		U
12672-29-6	PCB-1248	0.13	0.53		U
11097-69-1	PCB-1254	0.13	0.53		U
11096-82-5	PCB-1260	0.13	0.53		U

FORM 1
PESTA ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW22D-001

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: Case No.: SAUFLEYW002 SAS No.: NA SDG No.: SAUFLEYW002

Matrix: (soil/water) WATER Lab Sample ID: 0612175-02

Sample wt/vol: 960.0 (g/mL) ML Lab File ID: 030F3001

% Moisture: _____ decanted: (Y/N)___ Date Sampled: 12/19/06 13:45

Extraction: (SepF/Cont/Sonc/Soxh) SEPF Date Extracted:12/21/06

Concentrated Extract Volume: 10.0(mL) Date Analyzed: 01/16/07 01:37

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
309-00-2	Aldrin	0.0034	0.010		U
319-84-6	Alpha-BHC	0.0034	0.010		U
5103-71-9	Alpha-Chlordane	0.0034	0.010		U
319-85-7	Beta-BHC	0.0034	0.010		U
12789-03-6	Chlordane	0.018	0.052		U
72-54-8	4,4'-DDD	0.0052	0.021		U
72-55-9	4,4'-DDE	0.0052	0.021		U
50-29-3	4,4'-DDT	0.0052	0.021		U
319-86-8	Delta-BHC	0.0034	0.010		U
60-57-1	Dieldrin	0.0052	0.021		U
959-98-8	Endosulfan I	0.0034	0.010		U
33213-65-9	Endosulfan II	0.0052	0.021		U
1031-07-8	Endosulfan Sulfate	0.0052	0.021		U
72-20-8	Endrin	0.0052	0.021		U
7421-93-4	Endrin Aldehyde	0.0052	0.021		U
53494-70-5	Endrin Ketone	0.0052	0.021		U
58-89-9	Gamma-BHC	0.0034	0.010		U
5103-74-2	Gamma-Chlordane	0.0034	0.010		U
76-44-8	Heptachlor	0.0034	0.010		U
1024-57-3	Heptachlor Epoxide	0.0034	0.010		U
72-43-5	Methoxychlor	0.0034	0.010		U
8001-35-2	Toxaphene	0.34	1.0		U

FORM 1
PESTA ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW22D-001

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: Case No.: SAUFLEYW002 SAS No.: NA SDG No.: SAUFLEYW002

Matrix: (soil/water) WATER Lab Sample ID: 0612175-02

Sample wt/vol: 960.0 (g/mL) ML Lab File ID: 030F3001

% Moisture: _____ decanted: (Y/N)___ Date Sampled: 12/19/06 13:45

Extraction: (SepF/Cont/Sonc/Soxh) SEPF Date Extracted:12/21/06

Concentrated Extract Volume: 10.0(mL) Date Analyzed: 01/16/07 01:37

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
12674-11-2	PCB-1016	0.13	0.52		U
11104-28-2	PCB-1221	0.13	0.52		U
11141-16-5	PCB-1232	0.13	0.52		U
53469-21-9	PCB-1242	0.13	0.52		U
12672-29-6	PCB-1248	0.13	0.52		U
11097-69-1	PCB-1254	0.13	0.52		U
11096-82-5	PCB-1260	0.13	0.52		U

FORM 1
PRO ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW23S-001

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: Case No.: SAUFLEYW002 SAS No.: NA SDG No.: SAUFLEYW002

Matrix: (soil/water) WATER Lab Sample ID: 0612175-01

Sample wt/vol: 940.0 (g/mL) ML Lab File ID: 019R0101

% Moisture: _____ decanted: (Y/N)___ Date Sampled: 12/19/06 12:30

Extraction: (SepF/Cont/Sonc/Soxh) SEPF Date Extracted:12/21/07

Concentrated Extract Volume: 2.0(mL) Date Analyzed: 12/29/06 02:20

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS: (ug/L or ug/Kg) MG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
	PRO-8-40------Petroleum Range	0.18	0.53	0.55	

FORM 1
PRO ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW22D-001

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: Case No.: SAUFLEYW002 SAS No.: NA SDG No.: SAUFLEYW002

Matrix: (soil/water) WATER Lab Sample ID: 0612175-02

Sample wt/vol: 960.0 (g/mL) ML Lab File ID: 020R0101

% Moisture: _____ decanted: (Y/N)___ Date Sampled: 12/19/06 13:45

Extraction: (SepF/Cont/Sonc/Soxh) SEPF Date Extracted:12/21/07

Concentrated Extract Volume: 2.0(mL) Date Analyzed: 12/29/06 03:03

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS: (ug/L or ug/Kg) MG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
	PRO-8-40------Petroleum Range _____	0.18	0.52		U

FORM 1
PRO ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW12S-001

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: Case No.: SAUFLEYW002 SAS No.: NA SDG No.: SAUFLEYW002

Matrix: (soil/water) WATER Lab Sample ID: 0612175-04

Sample wt/vol: 920.0 (g/mL) ML Lab File ID: 021R0101

% Moisture: _____ decanted: (Y/N)___ Date Sampled: 12/19/06 16:50

Extraction: (SepF/Cont/Sonc/Soxh) SEPF Date Extracted:12/21/07

Concentrated Extract Volume: 2.0(mL) Date Analyzed: 12/29/06 03:46

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS: (ug/L or ug/Kg) MG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
	PRO-8-40------Petroleum Range	0.18	0.54		U

FORM 1
PRO ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW10D-001

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: Case No.: SAUFLEYW002 SAS No.: NA SDG No.: SAUFLEYW002

Matrix: (soil/water) WATER Lab Sample ID: 0612181-01

Sample wt/vol: 900.0 (g/mL) ML Lab File ID: 011R0101

% Moisture: _____ decanted: (Y/N)___ Date Sampled: 12/20/06 09:15

Extraction: (SepF/Cont/Sonc/Soxh) SEPF Date Extracted:12/27/07

Concentrated Extract Volume: 2.0(mL) Date Analyzed: 01/05/07 18:07

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS: (ug/L or ug/Kg) MG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
	PRO-8-40------Petroleum Range	0.19	0.56		U

FORM 1
PRO ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW11S-001

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: Case No.: SAUFLEYW002 SAS No.: NA SDG No.: SAUFLEYW002

Matrix: (soil/water) WATER Lab Sample ID: 0612181-02

Sample wt/vol: 875.0 (g/mL) ML Lab File ID: 012R0101

% Moisture: _____ decanted: (Y/N)___ Date Sampled: 12/20/06 11:15

Extraction: (SepF/Cont/Sonc/Soxh) SEPF Date Extracted:12/27/07

Concentrated Extract Volume: 2.0(mL) Date Analyzed: 01/05/07 18:50

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS: (ug/L or ug/Kg) MG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
	PRO-8-40------Petroleum Range _____	0.19	0.57		U

FORM 1
PRO ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW13S-001

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: Case No.: SAUFLEYW002 SAS No.: NA SDG No.: SAUFLEYW002

Matrix: (soil/water) WATER Lab Sample ID: 0612181-03

Sample wt/vol: 940.0 (g/mL) ML Lab File ID: 013R0101

% Moisture: _____ decanted: (Y/N)___ Date Sampled: 12/20/06 10:00

Extraction: (SepF/Cont/Sonc/Soxh) SEPF Date Extracted:12/27/07

Concentrated Extract Volume: 2.0(mL) Date Analyzed: 01/05/07 19:33

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS: (ug/L or ug/Kg) MG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
	PRO-8-40------Petroleum Range	0.18	0.53		U

FORM 1
PRO ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW20S-001

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: Case No.: SAUFLEYW002 SAS No.: NA SDG No.: SAUFLEYW002

Matrix: (soil/water) WATER Lab Sample ID: 0612181-05

Sample wt/vol: 920.0 (g/mL) ML Lab File ID: 014R0101

% Moisture: _____ decanted: (Y/N)___ Date Sampled: 12/20/06 14:00

Extraction: (SepF/Cont/Sonc/Soxh) SEPF Date Extracted:12/27/07

Concentrated Extract Volume: 2.0(mL) Date Analyzed: 01/05/07 20:15

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS: (ug/L or ug/Kg) MG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
	PRO-8-40------Petroleum Range	0.18	0.54		U

FORM 1
PRO ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW18S-001

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: Case No.: SAUFLEYW002 SAS No.: NA SDG No.: SAUFLEYW002

Matrix: (soil/water) WATER Lab Sample ID: 0612193-01

Sample wt/vol: 900.0 (g/mL) ML Lab File ID: 015R0101

% Moisture: _____ decanted: (Y/N)___ Date Sampled: 12/21/06 11:00

Extraction: (SepF/Cont/Sonc/Soxh) SEPF Date Extracted:12/27/07

Concentrated Extract Volume: 2.0(mL) Date Analyzed: 01/05/07 20:58

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS: (ug/L or ug/Kg) MG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
	PRO-8-40------Petroleum Range _____	0.19	0.56		U

FORM 1
PRO ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW17S-001

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: Case No.: SAUFLEYW002 SAS No.: NA SDG No.: SAUFLEYW002

Matrix: (soil/water) WATER Lab Sample ID: 0612193-03

Sample wt/vol: 875.0 (g/mL) ML Lab File ID: 016R0101

% Moisture: _____ decanted: (Y/N)___ Date Sampled: 12/21/06 12:45

Extraction: (SepF/Cont/Sonc/Soxh) SEPF Date Extracted:12/27/07

Concentrated Extract Volume: 2.0(mL) Date Analyzed: 01/05/07 21:40

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS: (ug/L or ug/Kg) MG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
	PRO-8-40------Petroleum Range	0.19	0.57		U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW23S-001

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW002

Matrix: (soil/water) WATER Lab Sample ID: 0612175-01

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 1217501

Level: (low/med) LOW Date Sampled: 12/19/06 12:30

% Moisture: not dec. _____ Date Analyzed: 12/28/06 02:51

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
67-64-1	Acetone	1.1	10	8.4	IV
75-05-8	Acetonitrile	0.20	1.0		U
107-02-8	Acrolein	4.1	5.0		U
107-13-1	Acrylonitrile	0.95	5.0		U
107-05-1	Allyl chloride	0.20	1.0		U
71-43-2	Benzene	0.11	1.0	0.21	I
75-27-4	Bromodichloromethane	0.24	1.0		U
75-25-2	Bromoform	0.24	1.0		U
74-83-9	Bromomethane	0.33	2.0		U
78-93-3	2-Butanone	1.2	10		U
75-15-0	Carbon disulfide	0.13	1.0		U
56-23-5	Carbon tetrachloride	0.14	1.0		U
108-90-7	Chlorobenzene	0.28	1.0		U
75-00-3	Chloroethane	0.38	2.0		U
67-66-3	Chloroform	0.30	1.0		U
74-87-3	Chloromethane	0.40	2.0		U
126-99-8	Chloroprene	0.20	1.0		U
110-82-7	Cyclohexane	0.18	2.0		U
124-48-1	Dibromochloromethane	0.080	1.0		U
96-12-8	1,2-Dibromo-3-chloropropane	0.28	2.0		U
74-95-3	Dibromomethane	0.14	1.0		U
95-50-1	1,2-Dichlorobenzene	0.17	1.0		U
541-73-1	1,3-Dichlorobenzene	0.21	1.0		U
106-46-7	1,4-Dichlorobenzene	0.12	1.0		U
110-57-6	trans-1,4-Dichloro-2-butene	0.60	5.0		U
75-71-8	Dichlorodifluoromethane	0.24	2.0		U
75-34-3	1,1-Dichloroethane	0.15	1.0		U
107-06-2	1,2-Dichloroethane	0.15	1.0		U
75-35-4	1,1-Dichloroethene	0.42	1.0		U
156-59-2	cis-1,2-Dichloroethene	0.44	1.0		U
156-60-5	trans-1,2-Dichloroethene	0.40	1.0		U
78-87-5	1,2-Dichloropropane	0.18	1.0		U
10061-01-5	cis-1,3-Dichloropropene	0.13	1.0		U
10061-02-6	trans-1,3-Dichloropropene	0.22	1.0		U
123-91-1	1,4-Dioxane	0.20	1.0		U
100-41-4	Ethylbenzene	0.14	1.0		U
97-63-2	Ethyl methacrylate	0.21	1.0		U
591-78-6	2-Hexanone	0.83	5.0		U
74-88-4	Iodomethane	0.19	5.0		U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW23S-001

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW002

Matrix: (soil/water) WATER Lab Sample ID: 0612175-01

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 1217501

Level: (low/med) LOW Date Sampled: 12/19/06 12:30

% Moisture: not dec. _____ Date Analyzed: 12/28/06 02:51

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
78-83-1	Isobutyl alcohol	0.20	1.0		U
98-82-8	Isopropylbenzene	0.25	1.0	0.33	I
79-20-9	Methyl acetate	0.87	1.0		U
126-98-7	Methacrylonitrile	0.20	1.0		U
108-87-2	Methyl cyclohexane	0.20	1.0		U
75-09-2	Methylene chloride	0.26	2.0		U
80-62-6	Methyl methacrylate	0.35	1.0		U
108-10-1	4-Methyl-2-pentanone	1.4	5.0		U
1634-04-4	MTBE	0.17	1.0		U
107-12-0	Propionitrile	0.20	1.0		U
100-42-5	Styrene	0.22	1.0		U
630-20-6	1,1,1,2-Tetrachloroethane	0.19	1.0		U
79-34-5	1,1,2,2-Tetrachloroethane	0.22	1.0		U
127-18-4	Tetrachloroethene	0.14	1.0		U
108-88-3	Toluene	0.18	1.0		U
87-61-6	1,2,3-Trichlorobenzene	0.16	1.0		U
120-82-1	1,2,4-Trichlorobenzene	0.14	1.0		U
71-55-6	1,1,1-Trichloroethane	0.15	1.0		U
79-00-5	1,1,2-Trichloroethane	0.17	1.0		U
79-01-6	Trichloroethene	0.28	1.0		U
76-13-1	Trichlorotrifluoroethane	0.22	1.0		U
75-69-4	Trichlorofluoromethane	0.15	2.0		U
96-18-4	1,2,3-Trichloropropane	0.31	1.0		U
108-05-4	Vinyl acetate	1.3	5.0		U
75-01-4	Vinyl chloride	0.19	1.0		U
108-38-3	m,p-Xylene	0.26	1.0		U
95-47-6	o-Xylene	0.21	1.0		U
1330-20-7	Xylene(total)	0.21	1.0		U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW22D-001

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW002

Matrix: (soil/water) WATER Lab Sample ID: 0612175-02

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 1217502

Level: (low/med) LOW Date Sampled: 12/19/06 13:45

% Moisture: not dec. _____ Date Analyzed: 12/28/06 03:23

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
67-64-1	Acetone	1.1	10		U
75-05-8	Acetonitrile	0.20	1.0		U
107-02-8	Acrolein	4.1	5.0		U
107-13-1	Acrylonitrile	0.95	5.0		U
107-05-1	Allyl chloride	0.20	1.0		U
71-43-2	Benzene	0.11	1.0		U
75-27-4	Bromodichloromethane	0.24	1.0		U
75-25-2	Bromoform	0.24	1.0		U
74-83-9	Bromomethane	0.33	2.0		U
78-93-3	2-Butanone	1.2	10		U
75-15-0	Carbon disulfide	0.13	1.0		U
56-23-5	Carbon tetrachloride	0.14	1.0		U
108-90-7	Chlorobenzene	0.28	1.0		U
75-00-3	Chloroethane	0.38	2.0		U
67-66-3	Chloroform	0.30	1.0		U
74-87-3	Chloromethane	0.40	2.0		U
126-99-8	Chloroprene	0.20	1.0		U
110-82-7	Cyclohexane	0.18	2.0		U
124-48-1	Dibromochloromethane	0.080	1.0		U
96-12-8	1,2-Dibromo-3-chloropropane	0.28	2.0		U
74-95-3	Dibromomethane	0.14	1.0		U
95-50-1	1,2-Dichlorobenzene	0.17	1.0		U
541-73-1	1,3-Dichlorobenzene	0.21	1.0		U
106-46-7	1,4-Dichlorobenzene	0.12	1.0		U
110-57-6	trans-1,4-Dichloro-2-butene	0.60	5.0		U
75-71-8	Dichlorodifluoromethane	0.24	2.0		U
75-34-3	1,1-Dichloroethane	0.15	1.0		U
107-06-2	1,2-Dichloroethane	0.15	1.0		U
75-35-4	1,1-Dichloroethene	0.42	1.0		U
156-59-2	cis-1,2-Dichloroethene	0.44	1.0		U
156-60-5	trans-1,2-Dichloroethene	0.40	1.0		U
78-87-5	1,2-Dichloropropane	0.18	1.0		U
10061-01-5	cis-1,3-Dichloropropene	0.13	1.0		U
10061-02-6	trans-1,3-Dichloropropene	0.22	1.0		U
123-91-1	1,4-Dioxane	0.20	1.0		U
100-41-4	Ethylbenzene	0.14	1.0		U
97-63-2	Ethyl methacrylate	0.21	1.0		U
591-78-6	2-Hexanone	0.83	5.0		U
74-88-4	Iodomethane	0.19	5.0		U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW22D-001

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW002

Matrix: (soil/water) WATER Lab Sample ID: 0612175-02

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 1217502

Level: (low/med) LOW Date Sampled: 12/19/06 13:45

% Moisture: not dec. _____ Date Analyzed: 12/28/06 03:23

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
78-83-1	Isobutyl alcohol	0.20	1.0		U
98-82-8	Isopropylbenzene	0.25	1.0		U
79-20-9	Methyl acetate	0.87	1.0		U
126-98-7	Methacrylonitrile	0.20	1.0		U
108-87-2	Methyl cyclohexane	0.20	1.0		U
75-09-2	Methylene chloride	0.26	2.0		U
80-62-6	Methyl methacrylate	0.35	1.0		U
108-10-1	4-Methyl-2-pentanone	1.4	5.0		U
1634-04-4	MTBE	0.17	1.0		U
107-12-0	Propionitrile	0.20	1.0		U
100-42-5	Styrene	0.22	1.0		U
630-20-6	1,1,1,2-Tetrachloroethane	0.19	1.0		U
79-34-5	1,1,2,2-Tetrachloroethane	0.22	1.0		U
127-18-4	Tetrachloroethene	0.14	1.0		U
108-88-3	Toluene	0.18	1.0		U
87-61-6	1,2,3-Trichlorobenzene	0.16	1.0		U
120-82-1	1,2,4-Trichlorobenzene	0.14	1.0		U
71-55-6	1,1,1-Trichloroethane	0.15	1.0		U
79-00-5	1,1,2-Trichloroethane	0.17	1.0		U
79-01-6	Trichloroethene	0.28	1.0		U
76-13-1	Trichlorotrifluoroethane	0.22	1.0		U
75-69-4	Trichlorofluoromethane	0.15	2.0		U
96-18-4	1,2,3-Trichloropropane	0.31	1.0		U
108-05-4	Vinyl acetate	1.3	5.0		U
75-01-4	Vinyl chloride	0.19	1.0		U
108-38-3	m,p-Xylene	0.26	1.0		U
95-47-6	o-Xylene	0.21	1.0		U
1330-20-7	Xylene(total)	0.21	1.0		U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

TRIPBLANK 4314

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW002

Matrix: (soil/water) WATER Lab Sample ID: 0612175-03

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 1217503

Level: (low/med) LOW Date Sampled: 12/19/06 :

% Moisture: not dec. _____ Date Analyzed: 12/28/06 01:15

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
67-64-1	Acetone	1.1	10	7.9	IV
75-05-8	Acetonitrile	0.20	1.0		U
107-02-8	Acrolein	4.1	5.0		U
107-13-1	Acrylonitrile	0.95	5.0		U
107-05-1	Allyl chloride	0.20	1.0		U
71-43-2	Benzene	0.11	1.0		U
75-27-4	Bromodichloromethane	0.24	1.0		U
75-25-2	Bromoform	0.24	1.0		U
74-83-9	Bromomethane	0.33	2.0		U
78-93-3	2-Butanone	1.2	10		U
75-15-0	Carbon disulfide	0.13	1.0		U
56-23-5	Carbon tetrachloride	0.14	1.0		U
108-90-7	Chlorobenzene	0.28	1.0		U
75-00-3	Chloroethane	0.38	2.0		U
67-66-3	Chloroform	0.30	1.0		U
74-87-3	Chloromethane	0.40	2.0		U
126-99-8	Chloroprene	0.20	1.0		U
110-82-7	Cyclohexane	0.18	2.0		U
124-48-1	Dibromochloromethane	0.080	1.0		U
96-12-8	1,2-Dibromo-3-chloropropane	0.28	2.0		U
74-95-3	Dibromomethane	0.14	1.0		U
95-50-1	1,2-Dichlorobenzene	0.17	1.0		U
541-73-1	1,3-Dichlorobenzene	0.21	1.0		U
106-46-7	1,4-Dichlorobenzene	0.12	1.0		U
110-57-6	trans-1,4-Dichloro-2-butene	0.60	5.0		U
75-71-8	Dichlorodifluoromethane	0.24	2.0		U
75-34-3	1,1-Dichloroethane	0.15	1.0		U
107-06-2	1,2-Dichloroethane	0.15	1.0		U
75-35-4	1,1-Dichloroethene	0.42	1.0		U
156-59-2	cis-1,2-Dichloroethene	0.44	1.0		U
156-60-5	trans-1,2-Dichloroethene	0.40	1.0		U
78-87-5	1,2-Dichloropropane	0.18	1.0		U
10061-01-5	cis-1,3-Dichloropropene	0.13	1.0		U
10061-02-6	trans-1,3-Dichloropropene	0.22	1.0		U
123-91-1	1,4-Dioxane	0.20	1.0		U
100-41-4	Ethylbenzene	0.14	1.0		U
97-63-2	Ethyl methacrylate	0.21	1.0		U
591-78-6	2-Hexanone	0.83	5.0		U
74-88-4	Iodomethane	0.19	5.0		U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

TRIPBLANK 4314

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW002

Matrix: (soil/water) WATER Lab Sample ID: 0612175-03

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 1217503

Level: (low/med) LOW Date Sampled: 12/19/06 :

% Moisture: not dec. _____ Date Analyzed: 12/28/06 01:15

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
78-83-1	Isobutyl alcohol	0.20	1.0		U
98-82-8	Isopropylbenzene	0.25	1.0		U
79-20-9	Methyl acetate	0.87	1.0		U
126-98-7	Methacrylonitrile	0.20	1.0		U
108-87-2	Methyl cyclohexane	0.20	1.0		U
75-09-2	Methylene chloride	0.26	2.0		U
80-62-6	Methyl methacrylate	0.35	1.0		U
108-10-1	4-Methyl-2-pentanone	1.4	5.0		U
1634-04-4	MTBE	0.17	1.0		U
107-12-0	Propionitrile	0.20	1.0		U
100-42-5	Styrene	0.22	1.0		U
630-20-6	1,1,1,2-Tetrachloroethane	0.19	1.0		U
79-34-5	1,1,2,2-Tetrachloroethane	0.22	1.0		U
127-18-4	Tetrachloroethene	0.14	1.0		U
108-88-3	Toluene	0.18	1.0		U
87-61-6	1,2,3-Trichlorobenzene	0.16	1.0		U
120-82-1	1,2,4-Trichlorobenzene	0.14	1.0		U
71-55-6	1,1,1-Trichloroethane	0.15	1.0		U
79-00-5	1,1,2-Trichloroethane	0.17	1.0		U
79-01-6	Trichloroethene	0.28	1.0		U
76-13-1	Trichlorotrifluoroethane	0.22	1.0		U
75-69-4	Trichlorofluoromethane	0.15	2.0		U
96-18-4	1,2,3-Trichloropropane	0.31	1.0		U
108-05-4	Vinyl acetate	1.3	5.0		U
75-01-4	Vinyl chloride	0.19	1.0		U
108-38-3	m,p-Xylene	0.26	1.0		U
95-47-6	o-Xylene	0.21	1.0		U
1330-20-7	Xylene(total)	0.21	1.0		U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW12S-001

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW002

Matrix: (soil/water) WATER Lab Sample ID: 0612175-04

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 1217504

Level: (low/med) LOW Date Sampled: 12/19/06 16:50

% Moisture: not dec. _____ Date Analyzed: 12/28/06 03:55

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
67-64-1	Acetone	1.1	10	7.8	IV
75-05-8	Acetonitrile	0.20	1.0		U
107-02-8	Acrolein	4.1	5.0		U
107-13-1	Acrylonitrile	0.95	5.0		U
107-05-1	Allyl chloride	0.20	1.0		U
71-43-2	Benzene	0.11	1.0		U
75-27-4	Bromodichloromethane	0.24	1.0		U
75-25-2	Bromoform	0.24	1.0		U
74-83-9	Bromomethane	0.33	2.0		U
78-93-3	2-Butanone	1.2	10		U
75-15-0	Carbon disulfide	0.13	1.0		U
56-23-5	Carbon tetrachloride	0.14	1.0		U
108-90-7	Chlorobenzene	0.28	1.0		U
75-00-3	Chloroethane	0.38	2.0		U
67-66-3	Chloroform	0.30	1.0		U
74-87-3	Chloromethane	0.40	2.0	0.42	I
126-99-8	Chloroprene	0.20	1.0		U
110-82-7	Cyclohexane	0.18	2.0		U
124-48-1	Dibromochloromethane	0.080	1.0		U
96-12-8	1,2-Dibromo-3-chloropropane	0.28	2.0		U
74-95-3	Dibromomethane	0.14	1.0		U
95-50-1	1,2-Dichlorobenzene	0.17	1.0		U
541-73-1	1,3-Dichlorobenzene	0.21	1.0		U
106-46-7	1,4-Dichlorobenzene	0.12	1.0		U
110-57-6	trans-1,4-Dichloro-2-butene	0.60	5.0		U
75-71-8	Dichlorodifluoromethane	0.24	2.0		U
75-34-3	1,1-Dichloroethane	0.15	1.0		U
107-06-2	1,2-Dichloroethane	0.15	1.0		U
75-35-4	1,1-Dichloroethene	0.42	1.0		U
156-59-2	cis-1,2-Dichloroethene	0.44	1.0		U
156-60-5	trans-1,2-Dichloroethene	0.40	1.0		U
78-87-5	1,2-Dichloropropane	0.18	1.0		U
10061-01-5	cis-1,3-Dichloropropene	0.13	1.0		U
10061-02-6	trans-1,3-Dichloropropene	0.22	1.0		U
123-91-1	1,4-Dioxane	0.20	1.0		U
100-41-4	Ethylbenzene	0.14	1.0		U
97-63-2	Ethyl methacrylate	0.21	1.0		U
591-78-6	2-Hexanone	0.83	5.0		U
74-88-4	Iodomethane	0.19	5.0		U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW12S-001

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW002

Matrix: (soil/water) WATER Lab Sample ID: 0612175-04

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 1217504

Level: (low/med) LOW Date Sampled: 12/19/06 16:50

% Moisture: not dec. _____ Date Analyzed: 12/28/06 03:55

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
78-83-1	Isobutyl alcohol	0.20	1.0		U
98-82-8	Isopropylbenzene	0.25	1.0		U
79-20-9	Methyl acetate	0.87	1.0		U
126-98-7	Methacrylonitrile	0.20	1.0		U
108-87-2	Methyl cyclohexane	0.20	1.0		U
75-09-2	Methylene chloride	0.26	2.0		U
80-62-6	Methyl methacrylate	0.35	1.0		U
108-10-1	4-Methyl-2-pentanone	1.4	5.0		U
1634-04-4	MTBE	0.17	1.0		U
107-12-0	Propionitrile	0.20	1.0		U
100-42-5	Styrene	0.22	1.0		U
630-20-6	1,1,1,2-Tetrachloroethane	0.19	1.0		U
79-34-5	1,1,2,2-Tetrachloroethane	0.22	1.0		U
127-18-4	Tetrachloroethene	0.14	1.0		U
108-88-3	Toluene	0.18	1.0		U
87-61-6	1,2,3-Trichlorobenzene	0.16	1.0		U
120-82-1	1,2,4-Trichlorobenzene	0.14	1.0		U
71-55-6	1,1,1-Trichloroethane	0.15	1.0		U
79-00-5	1,1,2-Trichloroethane	0.17	1.0		U
79-01-6	Trichloroethene	0.28	1.0		U
76-13-1	Trichlorotrifluoroethane	0.22	1.0		U
75-69-4	Trichlorofluoromethane	0.15	2.0		U
96-18-4	1,2,3-Trichloropropane	0.31	1.0		U
108-05-4	Vinyl acetate	1.3	5.0		U
75-01-4	Vinyl chloride	0.19	1.0		U
108-38-3	m,p-Xylene	0.26	1.0		U
95-47-6	o-Xylene	0.21	1.0		U
1330-20-7	Xylene(total)	0.21	1.0		U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW10D-001

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW002

Matrix: (soil/water) WATER Lab Sample ID: 0612181-01

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 1218101

Level: (low/med) LOW Date Sampled: 12/20/06 09:15

% Moisture: not dec. _____ Date Analyzed: 12/28/06 04:26

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
67-64-1	Acetone	1.1	10		U
75-05-8	Acetonitrile	0.20	1.0		U
107-02-8	Acrolein	4.1	5.0		U
107-13-1	Acrylonitrile	0.95	5.0		U
107-05-1	Allyl chloride	0.20	1.0		U
71-43-2	Benzene	0.11	1.0		U
75-27-4	Bromodichloromethane	0.24	1.0		U
75-25-2	Bromoform	0.24	1.0		U
74-83-9	Bromomethane	0.33	2.0		U
78-93-3	2-Butanone	1.2	10		U
75-15-0	Carbon disulfide	0.13	1.0		U
56-23-5	Carbon tetrachloride	0.14	1.0		U
108-90-7	Chlorobenzene	0.28	1.0		U
75-00-3	Chloroethane	0.38	2.0		U
67-66-3	Chloroform	0.30	1.0		U
74-87-3	Chloromethane	0.40	2.0		U
126-99-8	Chloroprene	0.20	1.0		U
110-82-7	Cyclohexane	0.18	2.0		U
124-48-1	Dibromochloromethane	0.080	1.0		U
96-12-8	1,2-Dibromo-3-chloropropane	0.28	2.0		U
74-95-3	Dibromomethane	0.14	1.0		U
95-50-1	1,2-Dichlorobenzene	0.17	1.0		U
541-73-1	1,3-Dichlorobenzene	0.21	1.0		U
106-46-7	1,4-Dichlorobenzene	0.12	1.0		U
110-57-6	trans-1,4-Dichloro-2-butene	0.60	5.0		U
75-71-8	Dichlorodifluoromethane	0.24	2.0		U
75-34-3	1,1-Dichloroethane	0.15	1.0		U
107-06-2	1,2-Dichloroethane	0.15	1.0		U
75-35-4	1,1-Dichloroethene	0.42	1.0		U
156-59-2	cis-1,2-Dichloroethene	0.44	1.0		U
156-60-5	trans-1,2-Dichloroethene	0.40	1.0		U
78-87-5	1,2-Dichloropropane	0.18	1.0		U
10061-01-5	cis-1,3-Dichloropropene	0.13	1.0		U
10061-02-6	trans-1,3-Dichloropropene	0.22	1.0		U
123-91-1	1,4-Dioxane	0.20	1.0		U
100-41-4	Ethylbenzene	0.14	1.0		U
97-63-2	Ethyl methacrylate	0.21	1.0		U
591-78-6	2-Hexanone	0.83	5.0		U
74-88-4	Iodomethane	0.19	5.0		U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW10D-001

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW002

Matrix: (soil/water) WATER Lab Sample ID: 0612181-01

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 1218101

Level: (low/med) LOW Date Sampled: 12/20/06 09:15

% Moisture: not dec. _____ Date Analyzed: 12/28/06 04:26

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
78-83-1	Isobutyl alcohol	0.20	1.0		U
98-82-8	Isopropylbenzene	0.25	1.0		U
79-20-9	Methyl acetate	0.87	1.0		U
126-98-7	Methacrylonitrile	0.20	1.0		U
108-87-2	Methyl cyclohexane	0.20	1.0		U
75-09-2	Methylene chloride	0.26	2.0		U
80-62-6	Methyl methacrylate	0.35	1.0		U
108-10-1	4-Methyl-2-pentanone	1.4	5.0		U
1634-04-4	MTBE	0.17	1.0		U
107-12-0	Propionitrile	0.20	1.0		U
100-42-5	Styrene	0.22	1.0		U
630-20-6	1,1,1,2-Tetrachloroethane	0.19	1.0		U
79-34-5	1,1,2,2-Tetrachloroethane	0.22	1.0		U
127-18-4	Tetrachloroethene	0.14	1.0		U
108-88-3	Toluene	0.18	1.0		U
87-61-6	1,2,3-Trichlorobenzene	0.16	1.0		U
120-82-1	1,2,4-Trichlorobenzene	0.14	1.0		U
71-55-6	1,1,1-Trichloroethane	0.15	1.0		U
79-00-5	1,1,2-Trichloroethane	0.17	1.0		U
79-01-6	Trichloroethene	0.28	1.0		U
76-13-1	Trichlorotrifluoroethane	0.22	1.0		U
75-69-4	Trichlorofluoromethane	0.15	2.0		U
96-18-4	1,2,3-Trichloropropane	0.31	1.0		U
108-05-4	Vinyl acetate	1.3	5.0		U
75-01-4	Vinyl chloride	0.19	1.0		U
108-38-3	m,p-Xylene	0.26	1.0		U
95-47-6	o-Xylene	0.21	1.0		U
1330-20-7	Xylene(total)	0.21	1.0		U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW11S-001

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW002

Matrix: (soil/water) WATER Lab Sample ID: 0612181-02

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 1218102

Level: (low/med) LOW Date Sampled: 12/20/06 11:15

% Moisture: not dec. _____ Date Analyzed: 12/28/06 04:58

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
67-64-1	Acetone	1.1	10		U
75-05-8	Acetonitrile	0.20	1.0		U
107-02-8	Acrolein	4.1	5.0		U
107-13-1	Acrylonitrile	0.95	5.0		U
107-05-1	Allyl chloride	0.20	1.0		U
71-43-2	Benzene	0.11	1.0		U
75-27-4	Bromodichloromethane	0.24	1.0		U
75-25-2	Bromoform	0.24	1.0		U
74-83-9	Bromomethane	0.33	2.0		U
78-93-3	2-Butanone	1.2	10		U
75-15-0	Carbon disulfide	0.13	1.0		U
56-23-5	Carbon tetrachloride	0.14	1.0		U
108-90-7	Chlorobenzene	0.28	1.0		U
75-00-3	Chloroethane	0.38	2.0		U
67-66-3	Chloroform	0.30	1.0		U
74-87-3	Chloromethane	0.40	2.0		U
126-99-8	Chloroprene	0.20	1.0		U
110-82-7	Cyclohexane	0.18	2.0		U
124-48-1	Dibromochloromethane	0.080	1.0		U
96-12-8	1,2-Dibromo-3-chloropropane	0.28	2.0		U
74-95-3	Dibromomethane	0.14	1.0		U
95-50-1	1,2-Dichlorobenzene	0.17	1.0		U
541-73-1	1,3-Dichlorobenzene	0.21	1.0		U
106-46-7	1,4-Dichlorobenzene	0.12	1.0		U
110-57-6	trans-1,4-Dichloro-2-butene	0.60	5.0		U
75-71-8	Dichlorodifluoromethane	0.24	2.0		U
75-34-3	1,1-Dichloroethane	0.15	1.0		U
107-06-2	1,2-Dichloroethane	0.15	1.0		U
75-35-4	1,1-Dichloroethene	0.42	1.0		U
156-59-2	cis-1,2-Dichloroethene	0.44	1.0		U
156-60-5	trans-1,2-Dichloroethene	0.40	1.0		U
78-87-5	1,2-Dichloropropane	0.18	1.0		U
10061-01-5	cis-1,3-Dichloropropene	0.13	1.0		U
10061-02-6	trans-1,3-Dichloropropene	0.22	1.0		U
123-91-1	1,4-Dioxane	0.20	1.0		U
100-41-4	Ethylbenzene	0.14	1.0		U
97-63-2	Ethyl methacrylate	0.21	1.0		U
591-78-6	2-Hexanone	0.83	5.0		U
74-88-4	Iodomethane	0.19	5.0		U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW11S-001

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW002

Matrix: (soil/water) WATER Lab Sample ID: 0612181-02

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 1218102

Level: (low/med) LOW Date Sampled: 12/20/06 11:15

% Moisture: not dec. _____ Date Analyzed: 12/28/06 04:58

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
78-83-1	Isobutyl alcohol	0.20	1.0		U
98-82-8	Isopropylbenzene	0.25	1.0		U
79-20-9	Methyl acetate	0.87	1.0		U
126-98-7	Methacrylonitrile	0.20	1.0		U
108-87-2	Methyl cyclohexane	0.20	1.0		U
75-09-2	Methylene chloride	0.26	2.0		U
80-62-6	Methyl methacrylate	0.35	1.0		U
108-10-1	4-Methyl-2-pentanone	1.4	5.0		U
1634-04-4	MTBE	0.17	1.0		U
107-12-0	Propionitrile	0.20	1.0		U
100-42-5	Styrene	0.22	1.0		U
630-20-6	1,1,1,2-Tetrachloroethane	0.19	1.0		U
79-34-5	1,1,2,2-Tetrachloroethane	0.22	1.0		U
127-18-4	Tetrachloroethene	0.14	1.0		U
108-88-3	Toluene	0.18	1.0		U
87-61-6	1,2,3-Trichlorobenzene	0.16	1.0		U
120-82-1	1,2,4-Trichlorobenzene	0.14	1.0		U
71-55-6	1,1,1-Trichloroethane	0.15	1.0		U
79-00-5	1,1,2-Trichloroethane	0.17	1.0		U
79-01-6	Trichloroethene	0.28	1.0		U
76-13-1	Trichlorotrifluoroethane	0.22	1.0		U
75-69-4	Trichlorofluoromethane	0.15	2.0		U
96-18-4	1,2,3-Trichloropropane	0.31	1.0		U
108-05-4	Vinyl acetate	1.3	5.0		U
75-01-4	Vinyl chloride	0.19	1.0		U
108-38-3	m,p-Xylene	0.26	1.0		U
95-47-6	o-Xylene	0.21	1.0		U
1330-20-7	Xylene(total)	0.21	1.0		U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW13S-001

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW002

Matrix: (soil/water) WATER Lab Sample ID: 0612181-03

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 1218103

Level: (low/med) LOW Date Sampled: 12/20/06 10:00

% Moisture: not dec. _____ Date Analyzed: 12/28/06 05:30

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
67-64-1	Acetone	1.1	10	2.4	IV
75-05-8	Acetonitrile	0.20	1.0		U
107-02-8	Acrolein	4.1	5.0		U
107-13-1	Acrylonitrile	0.95	5.0		U
107-05-1	Allyl chloride	0.20	1.0		U
71-43-2	Benzene	0.11	1.0		U
75-27-4	Bromodichloromethane	0.24	1.0		U
75-25-2	Bromoform	0.24	1.0		U
74-83-9	Bromomethane	0.33	2.0		U
78-93-3	2-Butanone	1.2	10		U
75-15-0	Carbon disulfide	0.13	1.0		U
56-23-5	Carbon tetrachloride	0.14	1.0		U
108-90-7	Chlorobenzene	0.28	1.0		U
75-00-3	Chloroethane	0.38	2.0		U
67-66-3	Chloroform	0.30	1.0	0.47	I
74-87-3	Chloromethane	0.40	2.0	0.45	I
126-99-8	Chloroprene	0.20	1.0		U
110-82-7	Cyclohexane	0.18	2.0		U
124-48-1	Dibromochloromethane	0.080	1.0		U
96-12-8	1,2-Dibromo-3-chloropropane	0.28	2.0		U
74-95-3	Dibromomethane	0.14	1.0		U
95-50-1	1,2-Dichlorobenzene	0.17	1.0		U
541-73-1	1,3-Dichlorobenzene	0.21	1.0		U
106-46-7	1,4-Dichlorobenzene	0.12	1.0		U
110-57-6	trans-1,4-Dichloro-2-butene	0.60	5.0		U
75-71-8	Dichlorodifluoromethane	0.24	2.0		U
75-34-3	1,1-Dichloroethane	0.15	1.0		U
107-06-2	1,2-Dichloroethane	0.15	1.0		U
75-35-4	1,1-Dichloroethene	0.42	1.0		U
156-59-2	cis-1,2-Dichloroethene	0.44	1.0		U
156-60-5	trans-1,2-Dichloroethene	0.40	1.0	0.45	I
78-87-5	1,2-Dichloropropane	0.18	1.0		U
10061-01-5	cis-1,3-Dichloropropene	0.13	1.0		U
10061-02-6	trans-1,3-Dichloropropene	0.22	1.0		U
123-91-1	1,4-Dioxane	0.20	1.0		U
100-41-4	Ethylbenzene	0.14	1.0		U
97-63-2	Ethyl methacrylate	0.21	1.0		U
591-78-6	2-Hexanone	0.83	5.0		U
74-88-4	Iodomethane	0.19	5.0		U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW13S-001

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW002

Matrix: (soil/water) WATER Lab Sample ID: 0612181-03

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 1218103

Level: (low/med) LOW Date Sampled: 12/20/06 10:00

% Moisture: not dec. _____ Date Analyzed: 12/28/06 05:30

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
78-83-1	Isobutyl alcohol	0.20	1.0		U
98-82-8	Isopropylbenzene	0.25	1.0		U
79-20-9	Methyl acetate	0.87	1.0		U
126-98-7	Methacrylonitrile	0.20	1.0		U
108-87-2	Methyl cyclohexane	0.20	1.0		U
75-09-2	Methylene chloride	0.26	2.0		U
80-62-6	Methyl methacrylate	0.35	1.0		U
108-10-1	4-Methyl-2-pentanone	1.4	5.0		U
1634-04-4	MTBE	0.17	1.0		U
107-12-0	Propionitrile	0.20	1.0		U
100-42-5	Styrene	0.22	1.0		U
630-20-6	1,1,1,2-Tetrachloroethane	0.19	1.0		U
79-34-5	1,1,2,2-Tetrachloroethane	0.22	1.0		U
127-18-4	Tetrachloroethene	0.14	1.0		U
108-88-3	Toluene	0.18	1.0		U
87-61-6	1,2,3-Trichlorobenzene	0.16	1.0		U
120-82-1	1,2,4-Trichlorobenzene	0.14	1.0		U
71-55-6	1,1,1-Trichloroethane	0.15	1.0		U
79-00-5	1,1,2-Trichloroethane	0.17	1.0		U
79-01-6	Trichloroethene	0.28	1.0		U
76-13-1	Trichlorotrifluoroethane	0.22	1.0		U
75-69-4	Trichlorofluoromethane	0.15	2.0		U
96-18-4	1,2,3-Trichloropropane	0.31	1.0		U
108-05-4	Vinyl acetate	1.3	5.0		U
75-01-4	Vinyl chloride	0.19	1.0		U
108-38-3	m,p-Xylene	0.26	1.0		U
95-47-6	o-Xylene	0.21	1.0		U
1330-20-7	Xylene(total)	0.21	1.0		U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

TRIP BLA
NK (4310)

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW002

Matrix: (soil/water) WATER Lab Sample ID: 0612181-04

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 1218104

Level: (low/med) LOW Date Sampled: 12/20/06 :

% Moisture: not dec. _____ Date Analyzed: 12/28/06 01:47

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
67-64-1	Acetone	1.1	10	6.0	IV
75-05-8	Acetonitrile	0.20	1.0		U
107-02-8	Acrolein	4.1	5.0		U
107-13-1	Acrylonitrile	0.95	5.0		U
107-05-1	Allyl chloride	0.20	1.0		U
71-43-2	Benzene	0.11	1.0		U
75-27-4	Bromodichloromethane	0.24	1.0		U
75-25-2	Bromoform	0.24	1.0		U
74-83-9	Bromomethane	0.33	2.0		U
78-93-3	2-Butanone	1.2	10		U
75-15-0	Carbon disulfide	0.13	1.0		U
56-23-5	Carbon tetrachloride	0.14	1.0		U
108-90-7	Chlorobenzene	0.28	1.0		U
75-00-3	Chloroethane	0.38	2.0		U
67-66-3	Chloroform	0.30	1.0		U
74-87-3	Chloromethane	0.40	2.0		U
126-99-8	Chloroprene	0.20	1.0		U
110-82-7	Cyclohexane	0.18	2.0		U
124-48-1	Dibromochloromethane	0.080	1.0		U
96-12-8	1,2-Dibromo-3-chloropropane	0.28	2.0		U
74-95-3	Dibromomethane	0.14	1.0		U
95-50-1	1,2-Dichlorobenzene	0.17	1.0		U
541-73-1	1,3-Dichlorobenzene	0.21	1.0		U
106-46-7	1,4-Dichlorobenzene	0.12	1.0		U
110-57-6	trans-1,4-Dichloro-2-butene	0.60	5.0		U
75-71-8	Dichlorodifluoromethane	0.24	2.0		U
75-34-3	1,1-Dichloroethane	0.15	1.0		U
107-06-2	1,2-Dichloroethane	0.15	1.0		U
75-35-4	1,1-Dichloroethene	0.42	1.0		U
156-59-2	cis-1,2-Dichloroethene	0.44	1.0		U
156-60-5	trans-1,2-Dichloroethene	0.40	1.0		U
78-87-5	1,2-Dichloropropane	0.18	1.0		U
10061-01-5	cis-1,3-Dichloropropene	0.13	1.0		U
10061-02-6	trans-1,3-Dichloropropene	0.22	1.0		U
123-91-1	1,4-Dioxane	0.20	1.0		U
100-41-4	Ethylbenzene	0.14	1.0		U
97-63-2	Ethyl methacrylate	0.21	1.0		U
591-78-6	2-Hexanone	0.83	5.0		U
74-88-4	Iodomethane	0.19	5.0		U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

TRIP BLA
NK (4310)

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW002

Matrix: (soil/water) WATER Lab Sample ID: 0612181-04

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 1218104

Level: (low/med) LOW Date Sampled: 12/20/06 :

% Moisture: not dec. _____ Date Analyzed: 12/28/06 01:47

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
78-83-1	Isobutyl alcohol	0.20	1.0		U
98-82-8	Isopropylbenzene	0.25	1.0		U
79-20-9	Methyl acetate	0.87	1.0		U
126-98-7	Methacrylonitrile	0.20	1.0		U
108-87-2	Methyl cyclohexane	0.20	1.0		U
75-09-2	Methylene chloride	0.26	2.0		U
80-62-6	Methyl methacrylate	0.35	1.0		U
108-10-1	4-Methyl-2-pentanone	1.4	5.0		U
1634-04-4	MTBE	0.17	1.0		U
107-12-0	Propionitrile	0.20	1.0		U
100-42-5	Styrene	0.22	1.0		U
630-20-6	1,1,1,2-Tetrachloroethane	0.19	1.0		U
79-34-5	1,1,2,2-Tetrachloroethane	0.22	1.0		U
127-18-4	Tetrachloroethene	0.14	1.0		U
108-88-3	Toluene	0.18	1.0	0.50	I
87-61-6	1,2,3-Trichlorobenzene	0.16	1.0		U
120-82-1	1,2,4-Trichlorobenzene	0.14	1.0		U
71-55-6	1,1,1-Trichloroethane	0.15	1.0		U
79-00-5	1,1,2-Trichloroethane	0.17	1.0		U
79-01-6	Trichloroethene	0.28	1.0		U
76-13-1	Trichlorotrifluoroethane	0.22	1.0		U
75-69-4	Trichlorofluoromethane	0.15	2.0		U
96-18-4	1,2,3-Trichloropropane	0.31	1.0		U
108-05-4	Vinyl acetate	1.3	5.0		U
75-01-4	Vinyl chloride	0.19	1.0		U
108-38-3	m,p-Xylene	0.26	1.0		U
95-47-6	o-Xylene	0.21	1.0		U
1330-20-7	Xylene(total)	0.21	1.0		U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW20S-001

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW002

Matrix: (soil/water) WATER Lab Sample ID: 0612181-05

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 1218105

Level: (low/med) LOW Date Sampled: 12/20/06 14:00

% Moisture: not dec. _____ Date Analyzed: 12/28/06 06:02

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
67-64-1	Acetone	1.1	10	2.9	IV
75-05-8	Acetonitrile	0.20	1.0		U
107-02-8	Acrolein	4.1	5.0		U
107-13-1	Acrylonitrile	0.95	5.0		U
107-05-1	Allyl chloride	0.20	1.0		U
71-43-2	Benzene	0.11	1.0		U
75-27-4	Bromodichloromethane	0.24	1.0		U
75-25-2	Bromoform	0.24	1.0		U
74-83-9	Bromomethane	0.33	2.0		U
78-93-3	2-Butanone	1.2	10		U
75-15-0	Carbon disulfide	0.13	1.0	0.52	I
56-23-5	Carbon tetrachloride	0.14	1.0		U
108-90-7	Chlorobenzene	0.28	1.0		U
75-00-3	Chloroethane	0.38	2.0		U
67-66-3	Chloroform	0.30	1.0	0.75	I
74-87-3	Chloromethane	0.40	2.0	0.51	I
126-99-8	Chloroprene	0.20	1.0		U
110-82-7	Cyclohexane	0.18	2.0		U
124-48-1	Dibromochloromethane	0.080	1.0		U
96-12-8	1,2-Dibromo-3-chloropropane	0.28	2.0		U
74-95-3	Dibromomethane	0.14	1.0		U
95-50-1	1,2-Dichlorobenzene	0.17	1.0		U
541-73-1	1,3-Dichlorobenzene	0.21	1.0		U
106-46-7	1,4-Dichlorobenzene	0.12	1.0		U
110-57-6	trans-1,4-Dichloro-2-butene	0.60	5.0		U
75-71-8	Dichlorodifluoromethane	0.24	2.0		U
75-34-3	1,1-Dichloroethane	0.15	1.0		U
107-06-2	1,2-Dichloroethane	0.15	1.0		U
75-35-4	1,1-Dichloroethene	0.42	1.0		U
156-59-2	cis-1,2-Dichloroethene	0.44	1.0		U
156-60-5	trans-1,2-Dichloroethene	0.40	1.0		U
78-87-5	1,2-Dichloropropane	0.18	1.0		U
10061-01-5	cis-1,3-Dichloropropene	0.13	1.0		U
10061-02-6	trans-1,3-Dichloropropene	0.22	1.0		U
123-91-1	1,4-Dioxane	0.20	1.0		U
100-41-4	Ethylbenzene	0.14	1.0		U
97-63-2	Ethyl methacrylate	0.21	1.0		U
591-78-6	2-Hexanone	0.83	5.0		U
74-88-4	Iodomethane	0.19	5.0		U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW20S-001

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW002

Matrix: (soil/water) WATER Lab Sample ID: 0612181-05

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 1218105

Level: (low/med) LOW Date Sampled: 12/20/06 14:00

% Moisture: not dec. _____ Date Analyzed: 12/28/06 06:02

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
78-83-1	Isobutyl alcohol	0.20	1.0		U
98-82-8	Isopropylbenzene	0.25	1.0		U
79-20-9	Methyl acetate	0.87	1.0		U
126-98-7	Methacrylonitrile	0.20	1.0		U
108-87-2	Methyl cyclohexane	0.20	1.0		U
75-09-2	Methylene chloride	0.26	2.0		U
80-62-6	Methyl methacrylate	0.35	1.0		U
108-10-1	4-Methyl-2-pentanone	1.4	5.0		U
1634-04-4	MTBE	0.17	1.0		U
107-12-0	Propionitrile	0.20	1.0		U
100-42-5	Styrene	0.22	1.0		U
630-20-6	1,1,1,2-Tetrachloroethane	0.19	1.0		U
79-34-5	1,1,2,2-Tetrachloroethane	0.22	1.0		U
127-18-4	Tetrachloroethene	0.14	1.0		U
108-88-3	Toluene	0.18	1.0		U
87-61-6	1,2,3-Trichlorobenzene	0.16	1.0		U
120-82-1	1,2,4-Trichlorobenzene	0.14	1.0		U
71-55-6	1,1,1-Trichloroethane	0.15	1.0		U
79-00-5	1,1,2-Trichloroethane	0.17	1.0		U
79-01-6	Trichloroethene	0.28	1.0		U
76-13-1	Trichlorotrifluoroethane	0.22	1.0		U
75-69-4	Trichlorofluoromethane	0.15	2.0		U
96-18-4	1,2,3-Trichloropropane	0.31	1.0		U
108-05-4	Vinyl acetate	1.3	5.0		U
75-01-4	Vinyl chloride	0.19	1.0		U
108-38-3	m,p-Xylene	0.26	1.0		U
95-47-6	o-Xylene	0.21	1.0		U
1330-20-7	Xylene(total)	0.21	1.0		U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW18S-001

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW002

Matrix: (soil/water) WATER Lab Sample ID: 0612193-01

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 1219301

Level: (low/med) LOW Date Sampled: 12/21/06 11:00

% Moisture: not dec. _____ Date Analyzed: 12/28/06 13:08

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
67-64-1	Acetone	1.1	10		U
75-05-8	Acetonitrile	0.20	1.0		U
107-02-8	Acrolein	4.1	5.0		U
107-13-1	Acrylonitrile	0.95	5.0		U
107-05-1	Allyl chloride	0.20	1.0		U
71-43-2	Benzene	0.11	1.0		U
75-27-4	Bromodichloromethane	0.24	1.0		U
75-25-2	Bromoform	0.24	1.0		U
74-83-9	Bromomethane	0.33	2.0		U
78-93-3	2-Butanone	1.2	10		U
75-15-0	Carbon disulfide	0.13	1.0		U
56-23-5	Carbon tetrachloride	0.14	1.0		U
108-90-7	Chlorobenzene	0.28	1.0		U
75-00-3	Chloroethane	0.38	2.0		U
67-66-3	Chloroform	0.30	1.0		U
74-87-3	Chloromethane	0.40	2.0		U
126-99-8	Chloroprene	0.20	1.0		U
110-82-7	Cyclohexane	0.18	2.0		U
124-48-1	Dibromochloromethane	0.080	1.0		U
96-12-8	1,2-Dibromo-3-chloropropane	0.28	2.0		U
74-95-3	Dibromomethane	0.14	1.0		U
95-50-1	1,2-Dichlorobenzene	0.17	1.0		U
541-73-1	1,3-Dichlorobenzene	0.21	1.0		U
106-46-7	1,4-Dichlorobenzene	0.12	1.0		U
110-57-6	trans-1,4-Dichloro-2-butene	0.60	5.0		U
75-71-8	Dichlorodifluoromethane	0.24	2.0		U
75-34-3	1,1-Dichloroethane	0.15	1.0		U
107-06-2	1,2-Dichloroethane	0.15	1.0		U
75-35-4	1,1-Dichloroethene	0.42	1.0		U
156-59-2	cis-1,2-Dichloroethene	0.44	1.0		U
156-60-5	trans-1,2-Dichloroethene	0.40	1.0		U
78-87-5	1,2-Dichloropropane	0.18	1.0		U
10061-01-5	cis-1,3-Dichloropropene	0.13	1.0		U
10061-02-6	trans-1,3-Dichloropropene	0.22	1.0		U
123-91-1	1,4-Dioxane	0.20	1.0		U
100-41-4	Ethylbenzene	0.14	1.0		U
97-63-2	Ethyl methacrylate	0.21	1.0		U
591-78-6	2-Hexanone	0.83	5.0		U
74-88-4	Iodomethane	0.19	5.0		U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW18S-001

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW002

Matrix: (soil/water) WATER Lab Sample ID: 0612193-01

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 1219301

Level: (low/med) LOW Date Sampled: 12/21/06 11:00

% Moisture: not dec. _____ Date Analyzed: 12/28/06 13:08

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
78-83-1	Isobutyl alcohol	0.20	1.0		U
98-82-8	Isopropylbenzene	0.25	1.0		U
79-20-9	Methyl acetate	0.87	1.0		U
126-98-7	Methacrylonitrile	0.20	1.0		U
108-87-2	Methyl cyclohexane	0.20	1.0		U
75-09-2	Methylene chloride	0.26	2.0		U
80-62-6	Methyl methacrylate	0.35	1.0		U
108-10-1	4-Methyl-2-pentanone	1.4	5.0		U
1634-04-4	MTBE	0.17	1.0		U
107-12-0	Propionitrile	0.20	1.0		U
100-42-5	Styrene	0.22	1.0		U
630-20-6	1,1,1,2-Tetrachloroethane	0.19	1.0		U
79-34-5	1,1,2,2-Tetrachloroethane	0.22	1.0		U
127-18-4	Tetrachloroethene	0.14	1.0		U
108-88-3	Toluene	0.18	1.0		U
87-61-6	1,2,3-Trichlorobenzene	0.16	1.0		U
120-82-1	1,2,4-Trichlorobenzene	0.14	1.0		U
71-55-6	1,1,1-Trichloroethane	0.15	1.0		U
79-00-5	1,1,2-Trichloroethane	0.17	1.0		U
79-01-6	Trichloroethene	0.28	1.0		U
76-13-1	Trichlorotrifluoroethane	0.22	1.0		U
75-69-4	Trichlorofluoromethane	0.15	2.0		U
96-18-4	1,2,3-Trichloropropane	0.31	1.0		U
108-05-4	Vinyl acetate	1.3	5.0		U
75-01-4	Vinyl chloride	0.19	1.0		U
108-38-3	m,p-Xylene	0.26	1.0		U
95-47-6	o-Xylene	0.21	1.0		U
1330-20-7	Xylene(total)	0.21	1.0		U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

TRIP BLA
NK (4308)

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW002

Matrix: (soil/water) WATER Lab Sample ID: 0612193-02

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 1219302

Level: (low/med) LOW Date Sampled: 12/21/06 :

% Moisture: not dec. _____ Date Analyzed: 12/28/06 12:36

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
67-64-1	Acetone	1.1	10	6.2	IV
75-05-8	Acetonitrile	0.20	1.0		U
107-02-8	Acrolein	4.1	5.0		U
107-13-1	Acrylonitrile	0.95	5.0		U
107-05-1	Allyl chloride	0.20	1.0		U
71-43-2	Benzene	0.11	1.0		U
75-27-4	Bromodichloromethane	0.24	1.0		U
75-25-2	Bromoform	0.24	1.0		U
74-83-9	Bromomethane	0.33	2.0		U
78-93-3	2-Butanone	1.2	10		U
75-15-0	Carbon disulfide	0.13	1.0		U
56-23-5	Carbon tetrachloride	0.14	1.0		U
108-90-7	Chlorobenzene	0.28	1.0		U
75-00-3	Chloroethane	0.38	2.0		U
67-66-3	Chloroform	0.30	1.0		U
74-87-3	Chloromethane	0.40	2.0		U
126-99-8	Chloroprene	0.20	1.0		U
110-82-7	Cyclohexane	0.18	2.0		U
124-48-1	Dibromochloromethane	0.080	1.0		U
96-12-8	1,2-Dibromo-3-chloropropane	0.28	2.0		U
74-95-3	Dibromomethane	0.14	1.0		U
95-50-1	1,2-Dichlorobenzene	0.17	1.0		U
541-73-1	1,3-Dichlorobenzene	0.21	1.0		U
106-46-7	1,4-Dichlorobenzene	0.12	1.0		U
110-57-6	trans-1,4-Dichloro-2-butene	0.60	5.0		U
75-71-8	Dichlorodifluoromethane	0.24	2.0		U
75-34-3	1,1-Dichloroethane	0.15	1.0		U
107-06-2	1,2-Dichloroethane	0.15	1.0		U
75-35-4	1,1-Dichloroethene	0.42	1.0		U
156-59-2	cis-1,2-Dichloroethene	0.44	1.0		U
156-60-5	trans-1,2-Dichloroethene	0.40	1.0		U
78-87-5	1,2-Dichloropropane	0.18	1.0		U
10061-01-5	cis-1,3-Dichloropropene	0.13	1.0		U
10061-02-6	trans-1,3-Dichloropropene	0.22	1.0		U
123-91-1	1,4-Dioxane	0.20	1.0		U
100-41-4	Ethylbenzene	0.14	1.0		U
97-63-2	Ethyl methacrylate	0.21	1.0		U
591-78-6	2-Hexanone	0.83	5.0		U
74-88-4	Iodomethane	0.19	5.0		U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

TRIP BLA
NK (4308)

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW002

Matrix: (soil/water) WATER Lab Sample ID: 0612193-02

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 1219302

Level: (low/med) LOW Date Sampled: 12/21/06 :

% Moisture: not dec. _____ Date Analyzed: 12/28/06 12:36

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
78-83-1	Isobutyl alcohol	0.20	1.0		U
98-82-8	Isopropylbenzene	0.25	1.0		U
79-20-9	Methyl acetate	0.87	1.0		U
126-98-7	Methacrylonitrile	0.20	1.0		U
108-87-2	Methyl cyclohexane	0.20	1.0		U
75-09-2	Methylene chloride	0.26	2.0		U
80-62-6	Methyl methacrylate	0.35	1.0		U
108-10-1	4-Methyl-2-pentanone	1.4	5.0		U
1634-04-4	MTBE	0.17	1.0		U
107-12-0	Propionitrile	0.20	1.0		U
100-42-5	Styrene	0.22	1.0		U
630-20-6	1,1,1,2-Tetrachloroethane	0.19	1.0		U
79-34-5	1,1,2,2-Tetrachloroethane	0.22	1.0		U
127-18-4	Tetrachloroethene	0.14	1.0		U
108-88-3	Toluene	0.18	1.0		U
87-61-6	1,2,3-Trichlorobenzene	0.16	1.0		U
120-82-1	1,2,4-Trichlorobenzene	0.14	1.0		U
71-55-6	1,1,1-Trichloroethane	0.15	1.0		U
79-00-5	1,1,2-Trichloroethane	0.17	1.0		U
79-01-6	Trichloroethene	0.28	1.0		U
76-13-1	Trichlorotrifluoroethane	0.22	1.0		U
75-69-4	Trichlorofluoromethane	0.15	2.0		U
96-18-4	1,2,3-Trichloropropane	0.31	1.0		U
108-05-4	Vinyl acetate	1.3	5.0		U
75-01-4	Vinyl chloride	0.19	1.0		U
108-38-3	m,p-Xylene	0.26	1.0		U
95-47-6	o-Xylene	0.21	1.0		U
1330-20-7	Xylene(total)	0.21	1.0		U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW17S-001

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW002

Matrix: (soil/water) WATER Lab Sample ID: 0612193-03

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 1219303

Level: (low/med) LOW Date Sampled: 12/21/06 12:45

% Moisture: not dec. _____ Date Analyzed: 12/28/06 13:40

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
67-64-1	Acetone	1.1	10	1.7	IV
75-05-8	Acetonitrile	0.20	1.0		U
107-02-8	Acrolein	4.1	5.0		U
107-13-1	Acrylonitrile	0.95	5.0		U
107-05-1	Allyl chloride	0.20	1.0		U
71-43-2	Benzene	0.11	1.0		U
75-27-4	Bromodichloromethane	0.24	1.0		U
75-25-2	Bromoform	0.24	1.0		U
74-83-9	Bromomethane	0.33	2.0		U
78-93-3	2-Butanone	1.2	10		U
75-15-0	Carbon disulfide	0.13	1.0		U
56-23-5	Carbon tetrachloride	0.14	1.0		U
108-90-7	Chlorobenzene	0.28	1.0		U
75-00-3	Chloroethane	0.38	2.0		U
67-66-3	Chloroform	0.30	1.0		U
74-87-3	Chloromethane	0.40	2.0		U
126-99-8	Chloroprene	0.20	1.0		U
110-82-7	Cyclohexane	0.18	2.0		U
124-48-1	Dibromochloromethane	0.080	1.0		U
96-12-8	1,2-Dibromo-3-chloropropane	0.28	2.0		U
74-95-3	Dibromomethane	0.14	1.0		U
95-50-1	1,2-Dichlorobenzene	0.17	1.0		U
541-73-1	1,3-Dichlorobenzene	0.21	1.0		U
106-46-7	1,4-Dichlorobenzene	0.12	1.0		U
110-57-6	trans-1,4-Dichloro-2-butene	0.60	5.0		U
75-71-8	Dichlorodifluoromethane	0.24	2.0		U
75-34-3	1,1-Dichloroethane	0.15	1.0		U
107-06-2	1,2-Dichloroethane	0.15	1.0		U
75-35-4	1,1-Dichloroethene	0.42	1.0		U
156-59-2	cis-1,2-Dichloroethene	0.44	1.0		U
156-60-5	trans-1,2-Dichloroethene	0.40	1.0		U
78-87-5	1,2-Dichloropropane	0.18	1.0		U
10061-01-5	cis-1,3-Dichloropropene	0.13	1.0		U
10061-02-6	trans-1,3-Dichloropropene	0.22	1.0		U
123-91-1	1,4-Dioxane	0.20	1.0		U
100-41-4	Ethylbenzene	0.14	1.0		U
97-63-2	Ethyl methacrylate	0.21	1.0		U
591-78-6	2-Hexanone	0.83	5.0		U
74-88-4	Iodomethane	0.19	5.0		U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW17S-001

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW002

Matrix: (soil/water) WATER Lab Sample ID: 0612193-03

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 1219303

Level: (low/med) LOW Date Sampled: 12/21/06 12:45

% Moisture: not dec. _____ Date Analyzed: 12/28/06 13:40

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
78-83-1	Isobutyl alcohol	0.20	1.0		U
98-82-8	Isopropylbenzene	0.25	1.0		U
79-20-9	Methyl acetate	0.87	1.0		U
126-98-7	Methacrylonitrile	0.20	1.0		U
108-87-2	Methyl cyclohexane	0.20	1.0		U
75-09-2	Methylene chloride	0.26	2.0		U
80-62-6	Methyl methacrylate	0.35	1.0		U
108-10-1	4-Methyl-2-pentanone	1.4	5.0		U
1634-04-4	MTBE	0.17	1.0		U
107-12-0	Propionitrile	0.20	1.0		U
100-42-5	Styrene	0.22	1.0		U
630-20-6	1,1,1,2-Tetrachloroethane	0.19	1.0		U
79-34-5	1,1,2,2-Tetrachloroethane	0.22	1.0		U
127-18-4	Tetrachloroethene	0.14	1.0		U
108-88-3	Toluene	0.18	1.0		U
87-61-6	1,2,3-Trichlorobenzene	0.16	1.0		U
120-82-1	1,2,4-Trichlorobenzene	0.14	1.0		U
71-55-6	1,1,1-Trichloroethane	0.15	1.0		U
79-00-5	1,1,2-Trichloroethane	0.17	1.0		U
79-01-6	Trichloroethene	0.28	1.0		U
76-13-1	Trichlorotrifluoroethane	0.22	1.0		U
75-69-4	Trichlorofluoromethane	0.15	2.0		U
96-18-4	1,2,3-Trichloropropane	0.31	1.0		U
108-05-4	Vinyl acetate	1.3	5.0		U
75-01-4	Vinyl chloride	0.19	1.0		U
108-38-3	m,p-Xylene	0.26	1.0		U
95-47-6	o-Xylene	0.21	1.0		U
1330-20-7	Xylene(total)	0.21	1.0		U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW15S-001

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW003

Matrix: (soil/water) WATER Lab Sample ID: 0701021-01

Sample wt/vol: 900.0 (g/mL) ML Lab File ID: 0102101R

% Moisture: _____ decanted: (Y/N)___ Date Sampled: 01/04/07 10:45

Extraction: (SepF/Cont/Sonc/Soxh) SEPF Date Extracted:01/09/07

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 01/16/07 12:40

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
83-32-9	Acenaphthene	1.1	11		U
208-96-8	Acenaphthylene	1.1	11		U
98-86-2	Acetophenone	1.1	11		U
53-96-3	2-Acetylaminofluorene	2.2	11		U
92-67-1	4-Aminobiphenyl	2.2	11		U
62-53-3	Aniline	1.1	11		U
140-57-8	Aramite	1.1	11		U
120-12-7	Anthracene	1.1	11		U
1912-24-9	Atrazine	1.1	5.6		U
100-52-7	Benzaldehyde	1.1	5.6		U
56-55-3	Benzo(a)anthracene	1.1	11		U
205-99-2	Benzo(b)fluoranthene	1.1	11		U
207-08-9	Benzo(k)fluoranthene	1.1	11		U
191-24-2	Benzo(g,h,i)perylene	1.1	11		U
50-32-8	Benzo(a)pyrene	1.1	11		U
100-51-6	Benzyl alcohol	1.1	11		U
92-52-4	1,1'-Biphenyl	1.1	5.6		U
111-91-1	bis(2-Chloroethoxy)methane	1.1	11		U
111-44-4	bis(2-Chloroethyl)ether	1.1	11		U
108-60-1	bis(2-Chloroisopropyl)ether	1.1	11		U
117-81-7	Bis(2-ethylhexyl)phthalate	1.1	11		U
101-55-3	4-Bromophenyl-phenylether	1.1	11		U
85-68-7	Butylbenzylphthalate	1.1	11		U
105-60-2	Caprolactam	1.1	5.6	3.6	I
86-74-8	Carbazole	1.1	11		U
106-47-8	4-Chloroaniline	1.1	11		U
510-15-6	Chlorobenzilate	1.1	11		U
59-50-7	4-Chloro-3-methylphenol	1.1	11		U
91-58-7	2-Chloronaphthalene	1.1	11		U
95-57-8	2-Chlorophenol	1.1	11		U
7005-72-3	4-Chlorophenyl-phenylether	1.1	11		U
218-01-9	Chrysene	1.1	11		U
2303-16-4	Diallate	1.1	11		U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW15S-001

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW003

Matrix: (soil/water) WATER Lab Sample ID: 0701021-01

Sample wt/vol: 900.0 (g/mL) ML Lab File ID: 0102101R

% Moisture: _____ decanted: (Y/N)___ Date Sampled: 01/04/07 10:45

Extraction: (SepF/Cont/Sonc/Soxh) SEPF Date Extracted:01/09/07

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 01/16/07 12:40

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
53-70-3	Dibenz(a,h)anthracene	1.1	11		U
132-64-9	Dibenzofuran	1.1	11		U
91-94-1	3,3'-Dichlorobenzidine	1.1	11		U
120-83-2	2,4-Dichlorophenol	1.1	11		U
87-65-0	2,6-Dichlorophenol	1.1	11		U
84-66-2	Diethylphthalate	1.1	11		U
60-51-5	Dimethoate	4.4	11		U
60-11-7	p-(Dimethylamino)azobenzene	1.1	11		U
57-97-6	7,12-Dimethylbenz[a]anthrace	1.1	11		U
119-93-7	3,3'-Dimethylbenzidine	47	56		U
122-09-8	a,a-Dimethyl-phenethylamine	1.1	11		U
105-67-9	2,4-Dimethylphenol	1.1	11		U
131-11-3	Dimethylphthalate	1.1	11		U
84-74-2	Di-n-butylphthalate	1.1	11		U
99-65-0	m-Dinitrobenzene	3.3	11		U
534-52-1	4,6-Dinitro-2-methylphenol	1.1	28		U
51-28-5	2,4-Dinitrophenol	11	28		U
121-14-2	2,4-Dinitrotoluene	1.1	11		U
606-20-2	2,6-Dinitrotoluene	1.1	11		U
117-84-0	Di-n-octylphthalate	1.1	11		U
122-39-4	Diphenylamine	1.1	11		U
62-50-0	Ethyl methanesulfonate	1.1	11		U
206-44-0	Fluoranthene	1.1	11		U
86-73-7	Fluorene	1.1	11		U
118-74-1	Hexachlorobenzene	0.52	11		U
87-68-3	Hexachlorobutadiene	1.1	11		U
77-47-4	Hexachlorocyclopentadiene	1.1	11		U
67-72-1	Hexachloroethane	1.1	11		U
70-30-4	Hexachlorophene	28	140		U
1888-71-7	Hexachloropropene	4.4	11		U
193-39-5	Indeno(1,2,3-cd)pyrene	1.1	11		U
465-73-6	Isodrin	2.2	11		U
78-59-1	Isophorone	1.1	11		U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW15S-001

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW003

Matrix: (soil/water) WATER Lab Sample ID: 0701021-01

Sample wt/vol: 900.0 (g/mL) ML Lab File ID: 0102101R

% Moisture: _____ decanted: (Y/N)___ Date Sampled: 01/04/07 10:45

Extraction: (SepF/Cont/Sonc/Soxh) SEPF Date Extracted:01/09/07

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 01/16/07 12:40

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
120-58-1	Isosafrole	1.1	11		U
143-50-0	Kepone	1.1	11		U
91-80-5	Methapyrilene	1.1	11		U
56-49-5	3-Methylcholanthrene	1.1	11		U
66-27-3	Methyl methanesulfonate	1.1	5.6		U
91-57-6	2-Methylnaphthalene	1.1	11		U
106-44-5	4-Methylphenol	1.1	11		U
108-39-4	3-Methylphenol	1.1	11		U
95-48-7	2-Methylphenol	1.1	11		U
91-20-3	Naphthalene	1.1	11		U
130-15-4	1,4-Naphthoquinone	1.1	11		U
134-32-7	1-Naphthylamine	1.1	11		U
91-59-8	2-Naphthylamine	1.1	11		U
88-74-4	2-Nitroaniline	1.1	28		U
99-09-2	3-Nitroaniline	1.1	28		U
100-01-6	4-Nitroaniline	1.1	28		U
98-95-3	Nitrobenzene	1.1	11		U
88-75-5	2-Nitrophenol	1.1	11		U
100-02-7	4-Nitrophenol	5.6	28		U
56-57-5	4-Nitroquinoline-1-oxide	1.1	11		U
924-16-3	N-Nitrosodi-n-butylamine	1.1	11		U
55-18-5	N-Nitrosodiethylamine	1.1	11		U
62-75-9	N-Nitroso-di-methylamine	1.1	11		U
86-30-6	N-Nitrosodiphenylamine (1)	1.1	11		U
621-64-7	N-Nitroso-di-n-propylamine	0.89	11		U
10595-95-6	N-Nitrosomethylethylamine	4.4	11		U
59-89-2	N-Nitrosomorpholine	1.1	11		U
100-75-4	N-Nitrosopiperidine	1.1	11		U
930-55-2	N-Nitrosopyrrolidine	1.1	11		U
99-55-8	5-Nitro-o-toluidine	2.2	11		U
608-93-5	Pentachlorobenzene	4.4	11		U
82-68-8	Pentachloronitrobenzene	4.4	11		U
76-01-7	Pentachloroethane	4.4	11		U

(1) - Cannot be separated from Diphenylamine

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW15S-001

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW003

Matrix: (soil/water) WATER Lab Sample ID: 0701021-01

Sample wt/vol: 900.0 (g/mL) ML Lab File ID: 0102101R

% Moisture: _____ decanted: (Y/N)___ Date Sampled: 01/04/07 10:45

Extraction: (SepF/Cont/Sonc/Soxh) SEPF Date Extracted:01/09/07

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 01/16/07 12:40

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
87-86-5	Pentachlorophenol	1.1	28		U
62-44-2	Phenacetin	1.1	11		U
85-01-8	Phenanthrene	1.1	11		U
108-95-2	Phenol	1.1	11		U
106-50-3	p-Phenylenediamine	1.1	11		U
109-06-8	2-Picoline	7.8	11		U
23950-58-5	Pronamide	1.1	11		U
129-00-0	Pyrene	1.1	11		U
110-86-1	Pyridine	1.1	11		U
94-59-7	Safrole	1.1	11		U
95-94-3	1,2,4,5-Tetrachlorobenzene	3.3	11		U
58-90-2	2,3,4,6-Tetrachlorophenol	1.1	11		U
95-53-4	o-Toluidine	4.4	11		U
120-82-1	1,2,4-Trichlorobenzene	1.1	11		U
95-95-4	2,4,5-Trichlorophenol	1.1	28		U
88-06-2	2,4,6-Trichlorophenol	1.1	11		U
126-68-1	O,O,O-Triethylphosphorothioa	3.3	11		U
99-35-4	sym-Trinitrobenzene	3.3	11		U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW04D-001

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW003

Matrix: (soil/water) WATER Lab Sample ID: 0701021-02

Sample wt/vol: 940.0 (g/mL) ML Lab File ID: 0102102R

% Moisture: _____ decanted: (Y/N)___ Date Sampled: 01/04/07 10:45

Extraction: (SepF/Cont/Sonc/Soxh) SEPF Date Extracted:01/09/07

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 01/16/07 13:16

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
83-32-9	Acenaphthene	1.1	11		U
208-96-8	Acenaphthylene	1.1	11		U
98-86-2	Acetophenone	1.1	11		U
53-96-3	2-Acetylaminofluorene	2.1	11		U
92-67-1	4-Aminobiphenyl	2.1	11		U
62-53-3	Aniline	1.1	11		U
140-57-8	Aramite	1.1	11		U
120-12-7	Anthracene	1.1	11		U
1912-24-9	Atrazine	1.1	5.3		U
100-52-7	Benzaldehyde	1.1	5.3		U
56-55-3	Benzo(a)anthracene	1.1	11		U
205-99-2	Benzo(b)fluoranthene	1.1	11		U
207-08-9	Benzo(k)fluoranthene	1.1	11		U
191-24-2	Benzo(g,h,i)perylene	1.1	11		U
50-32-8	Benzo(a)pyrene	1.1	11		U
100-51-6	Benzyl alcohol	1.1	11		U
92-52-4	1,1'-Biphenyl	1.1	5.3		U
111-91-1	bis(2-Chloroethoxy)methane	1.1	11		U
111-44-4	bis(2-Chloroethyl)ether	1.1	11		U
108-60-1	bis(2-Chloroisopropyl)ether	1.1	11		U
117-81-7	Bis(2-ethylhexyl)phthalate	1.1	11		U
101-55-3	4-Bromophenyl-phenylether	1.1	11		U
85-68-7	Butylbenzylphthalate	1.1	11		U
105-60-2	Caprolactam	1.1	5.3		U
86-74-8	Carbazole	1.1	11		U
106-47-8	4-Chloroaniline	1.1	11		U
510-15-6	Chlorobenzilate	1.1	11		U
59-50-7	4-Chloro-3-methylphenol	1.1	11		U
91-58-7	2-Chloronaphthalene	1.1	11		U
95-57-8	2-Chlorophenol	1.1	11		U
7005-72-3	4-Chlorophenyl-phenylether	1.1	11		U
218-01-9	Chrysene	1.1	11		U
2303-16-4	Diallate	1.1	11		U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW04D-001

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW003

Matrix: (soil/water) WATER Lab Sample ID: 0701021-02

Sample wt/vol: 940.0 (g/mL) ML Lab File ID: 0102102R

% Moisture: _____ decanted: (Y/N)___ Date Sampled: 01/04/07 10:45

Extraction: (SepF/Cont/Sonc/Soxh) SEPF Date Extracted:01/09/07

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 01/16/07 13:16

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
53-70-3	Dibenz(a,h)anthracene	1.1	11		U
132-64-9	Dibenzofuran	1.1	11		U
91-94-1	3,3'-Dichlorobenzidine	1.1	11		U
120-83-2	2,4-Dichlorophenol	1.1	11		U
87-65-0	2,6-Dichlorophenol	1.1	11		U
84-66-2	Diethylphthalate	1.1	11		U
60-51-5	Dimethoate	4.2	11		U
60-11-7	p-(Dimethylamino)azobenzene	1.1	11		U
57-97-6	7,12-Dimethylbenz[a]anthrace	1.1	11		U
119-93-7	3,3'-Dimethylbenzidine	45	53		U
122-09-8	a,a-Dimethyl-phenethylamine	1.1	11		U
105-67-9	2,4-Dimethylphenol	1.1	11		U
131-11-3	Dimethylphthalate	1.1	11		U
84-74-2	Di-n-butylphthalate	1.1	11		U
99-65-0	m-Dinitrobenzene	3.2	11		U
534-52-1	4,6-Dinitro-2-methylphenol	1.1	26		U
51-28-5	2,4-Dinitrophenol	11	26		U
121-14-2	2,4-Dinitrotoluene	1.1	11		U
606-20-2	2,6-Dinitrotoluene	1.1	11		U
117-84-0	Di-n-octylphthalate	1.1	11		U
122-39-4	Diphenylamine	1.1	11		U
62-50-0	Ethyl methanesulfonate	1.1	11		U
206-44-0	Fluoranthene	1.1	11		U
86-73-7	Fluorene	1.1	11		U
118-74-1	Hexachlorobenzene	0.50	11		U
87-68-3	Hexachlorobutadiene	1.1	11		U
77-47-4	Hexachlorocyclopentadiene	1.1	11		U
67-72-1	Hexachloroethane	1.1	11		U
70-30-4	Hexachlorophene	26	130		U
1888-71-7	Hexachloropropene	4.2	11		U
193-39-5	Indeno(1,2,3-cd)pyrene	1.1	11		U
465-73-6	Isodrin	2.1	11		U
78-59-1	Isophorone	1.1	11		U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW04D-001

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW003

Matrix: (soil/water) WATER Lab Sample ID: 0701021-02

Sample wt/vol: 940.0 (g/mL) ML Lab File ID: 0102102R

% Moisture: _____ decanted: (Y/N)___ Date Sampled: 01/04/07 10:45

Extraction: (SepF/Cont/Sonc/Soxh) SEPF Date Extracted:01/09/07

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 01/16/07 13:16

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
120-58-1	Isosafrole	1.1	11		U
143-50-0	Kepone	1.1	11		U
91-80-5	Methapyrilene	1.1	11		U
56-49-5	3-Methylcholanthrene	1.1	11		U
66-27-3	Methyl methanesulfonate	1.1	5.3		U
91-57-6	2-Methylnaphthalene	1.1	11		U
106-44-5	4-Methylphenol	1.1	11		U
108-39-4	3-Methylphenol	1.1	11		U
95-48-7	2-Methylphenol	1.1	11		U
91-20-3	Naphthalene	1.1	11		U
130-15-4	1,4-Naphthoquinone	1.1	11		U
134-32-7	1-Naphthylamine	1.1	11		U
91-59-8	2-Naphthylamine	1.1	11		U
88-74-4	2-Nitroaniline	1.1	26		U
99-09-2	3-Nitroaniline	1.1	26		U
100-01-6	4-Nitroaniline	1.1	26		U
98-95-3	Nitrobenzene	1.1	11		U
88-75-5	2-Nitrophenol	1.1	11		U
100-02-7	4-Nitrophenol	5.3	26		U
56-57-5	4-Nitroquinoline-1-oxide	1.1	11		U
924-16-3	N-Nitrosodi-n-butylamine	1.1	11		U
55-18-5	N-Nitrosodiethylamine	1.1	11		U
62-75-9	N-Nitroso-di-methylamine	1.1	11		U
86-30-6	N-Nitrosodiphenylamine (1)	1.1	11		U
621-64-7	N-Nitroso-di-n-propylamine	0.85	11		U
10595-95-6	N-Nitrosomethylethylamine	4.2	11		U
59-89-2	N-Nitrosomorpholine	1.1	11		U
100-75-4	N-Nitrosopiperidine	1.1	11		U
930-55-2	N-Nitrosopyrrolidine	1.1	11		U
99-55-8	5-Nitro-o-toluidine	2.1	11		U
608-93-5	Pentachlorobenzene	4.2	11		U
82-68-8	Pentachloronitrobenzene	4.2	11		U
76-01-7	Pentachloroethane	4.2	11		U

(1) - Cannot be separated from Diphenylamine

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW04D-001

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW003

Matrix: (soil/water) WATER Lab Sample ID: 0701021-02

Sample wt/vol: 940.0 (g/mL) ML Lab File ID: 0102102R

% Moisture: _____ decanted: (Y/N)___ Date Sampled: 01/04/07 10:45

Extraction: (SepF/Cont/Sonc/Soxh) SEPF Date Extracted:01/09/07

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 01/16/07 13:16

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
87-86-5	Pentachlorophenol	1.1	26		U
62-44-2	Phenacetin	1.1	11		U
85-01-8	Phenanthrene	1.1	11		U
108-95-2	Phenol	1.1	11		U
106-50-3	p-Phenylenediamine	1.1	11		U
109-06-8	2-Picoline	7.4	11		U
23950-58-5	Pronamide	1.1	11		U
129-00-0	Pyrene	1.1	11		U
110-86-1	Pyridine	1.1	11		U
94-59-7	Safrole	1.1	11		U
95-94-3	1,2,4,5-Tetrachlorobenzene	3.2	11		U
58-90-2	2,3,4,6-Tetrachlorophenol	1.1	11		U
95-53-4	o-Toluidine	4.2	11		U
120-82-1	1,2,4-Trichlorobenzene	1.1	11		U
95-95-4	2,4,5-Trichlorophenol	1.1	26		U
88-06-2	2,4,6-Trichlorophenol	1.1	11		U
126-68-1	O,O,O-Triethylphosphorothioa	3.2	11		U
99-35-4	sym-Trinitrobenzene	3.2	11		U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW30S-001

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW003

Matrix: (soil/water) WATER Lab Sample ID: 0701021-04

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 0102104

% Moisture: _____ decanted: (Y/N)___ Date Sampled: 01/04/07 16:00

Extraction: (SepF/Cont/Sonc/Soxh) SEPF Date Extracted:01/09/07

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 01/11/07 15:42

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
83-32-9	Acenaphthene	1.0	10		U
208-96-8	Acenaphthylene	1.0	10		U
98-86-2	Acetophenone	1.0	10		U
53-96-3	2-Acetylaminofluorene	2.0	10		U
92-67-1	4-Aminobiphenyl	2.0	10		U
62-53-3	Aniline	1.0	10		U
140-57-8	Aramite	1.0	10		U
120-12-7	Anthracene	1.0	10		U
1912-24-9	Atrazine	1.0	5.0		U
100-52-7	Benzaldehyde	1.0	5.0		U
56-55-3	Benzo(a)anthracene	1.0	10		U
205-99-2	Benzo(b)fluoranthene	1.0	10		U
207-08-9	Benzo(k)fluoranthene	1.0	10		U
191-24-2	Benzo(g,h,i)perylene	1.0	10		U
50-32-8	Benzo(a)pyrene	1.0	10		U
100-51-6	Benzyl alcohol	1.0	10		U
92-52-4	1,1'-Biphenyl	1.0	5.0		U
111-91-1	bis(2-Chloroethoxy)methane	1.0	10		U
111-44-4	bis(2-Chloroethyl)ether	1.0	10		U
108-60-1	bis(2-Chloroisopropyl)ether	1.0	10		U
117-81-7	Bis(2-ethylhexyl)phthalate	1.0	10		U
101-55-3	4-Bromophenyl-phenylether	1.0	10		U
85-68-7	Butylbenzylphthalate	1.0	10		U
105-60-2	Caprolactam	1.0	5.0		U
86-74-8	Carbazole	1.0	10		U
106-47-8	4-Chloroaniline	1.0	10		U
510-15-6	Chlorobenzilate	1.0	10		U
59-50-7	4-Chloro-3-methylphenol	1.0	10		U
91-58-7	2-Chloronaphthalene	1.0	10		U
95-57-8	2-Chlorophenol	1.0	10		U
7005-72-3	4-Chlorophenyl-phenylether	1.0	10		U
218-01-9	Chrysene	1.0	10		U
2303-16-4	Diallate	1.0	10		U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW30S-001

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW003

Matrix: (soil/water) WATER Lab Sample ID: 0701021-04

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 0102104

% Moisture: _____ decanted: (Y/N)___ Date Sampled: 01/04/07 16:00

Extraction: (SepF/Cont/Sonc/Soxh) SEPF Date Extracted:01/09/07

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 01/11/07 15:42

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
53-70-3	Dibenz(a,h)anthracene	1.0	10		U
132-64-9	Dibenzofuran	1.0	10		U
91-94-1	3,3'-Dichlorobenzidine	1.0	10		U
120-83-2	2,4-Dichlorophenol	1.0	10		U
87-65-0	2,6-Dichlorophenol	1.0	10		U
84-66-2	Diethylphthalate	1.0	10		U
60-51-5	Dimethoate	4.0	10		U
60-11-7	p-(Dimethylamino)azobenzene	1.0	10		U
57-97-6	7,12-Dimethylbenz[a]anthrace	1.0	10		U
119-93-7	3,3'-Dimethylbenzidine	42	50		U
122-09-8	a,a-Dimethyl-phenethylamine	1.0	10		U
105-67-9	2,4-Dimethylphenol	1.0	10		U
131-11-3	Dimethylphthalate	1.0	10		U
84-74-2	Di-n-butylphthalate	1.0	10		U
99-65-0	m-Dinitrobenzene	3.0	10		U
534-52-1	4,6-Dinitro-2-methylphenol	1.0	25		U
51-28-5	2,4-Dinitrophenol	10	25		U
121-14-2	2,4-Dinitrotoluene	1.0	10		U
606-20-2	2,6-Dinitrotoluene	1.0	10		U
117-84-0	Di-n-octylphthalate	1.0	10		U
122-39-4	Diphenylamine	1.0	10		U
62-50-0	Ethyl methanesulfonate	1.0	10		U
206-44-0	Fluoranthene	1.0	10		U
86-73-7	Fluorene	1.0	10		U
118-74-1	Hexachlorobenzene	0.47	10		U
87-68-3	Hexachlorobutadiene	1.0	10		U
77-47-4	Hexachlorocyclopentadiene	1.0	10		U
67-72-1	Hexachloroethane	1.0	10		U
70-30-4	Hexachlorophene	25	120		U
1888-71-7	Hexachloropropene	4.0	10		U
193-39-5	Indeno(1,2,3-cd)pyrene	1.0	10		U
465-73-6	Isodrin	2.0	10		U
78-59-1	Isophorone	1.0	10		U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW30S-001

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW003

Matrix: (soil/water) WATER Lab Sample ID: 0701021-04

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 0102104

% Moisture: _____ decanted: (Y/N)___ Date Sampled: 01/04/07 16:00

Extraction: (SepF/Cont/Sonc/Soxh) SEPF Date Extracted:01/09/07

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 01/11/07 15:42

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
120-58-1	Isosafrole	1.0	10		U
143-50-0	Kepone	1.0	10		U
91-80-5	Methapyrilene	1.0	10		U
56-49-5	3-Methylcholanthrene	1.0	10		U
66-27-3	Methyl methanesulfonate	1.0	5.0		U
91-57-6	2-Methylnaphthalene	1.0	10	5.5	I
106-44-5	4-Methylphenol	1.0	10		U
108-39-4	3-Methylphenol	1.0	10		U
95-48-7	2-Methylphenol	1.0	10		U
91-20-3	Naphthalene	1.0	10		U
130-15-4	1,4-Naphthoquinone	1.0	10		U
134-32-7	1-Naphthylamine	1.0	10		U
91-59-8	2-Naphthylamine	1.0	10		U
88-74-4	2-Nitroaniline	1.0	25		U
99-09-2	3-Nitroaniline	1.0	25		U
100-01-6	4-Nitroaniline	1.0	25		U
98-95-3	Nitrobenzene	1.0	10		U
88-75-5	2-Nitrophenol	1.0	10		U
100-02-7	4-Nitrophenol	5.0	25		U
56-57-5	4-Nitroquinoline-1-oxide	1.0	10		U
924-16-3	N-Nitrosodi-n-butylamine	1.0	10		U
55-18-5	N-Nitrosodiethylamine	1.0	10		U
62-75-9	N-Nitroso-di-methylamine	1.0	10		U
86-30-6	N-Nitrosodiphenylamine (1)	1.0	10		U
621-64-7	N-Nitroso-di-n-propylamine	0.80	10		U
10595-95-6	N-Nitrosomethylethylamine	4.0	10		U
59-89-2	N-Nitrosomorpholine	1.0	10		U
100-75-4	N-Nitrosopiperidine	1.0	10		U
930-55-2	N-Nitrosopyrrolidine	1.0	10		U
99-55-8	5-Nitro-o-toluidine	2.0	10		U
608-93-5	Pentachlorobenzene	4.0	10		U
82-68-8	Pentachloronitrobenzene	4.0	10		U
76-01-7	Pentachloroethane	4.0	10		U

(1) - Cannot be separated from Diphenylamine

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW30S-001

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW003

Matrix: (soil/water) WATER Lab Sample ID: 0701021-04

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 0102104

% Moisture: _____ decanted: (Y/N)___ Date Sampled: 01/04/07 16:00

Extraction: (SepF/Cont/Sonc/Soxh) SEPF Date Extracted:01/09/07

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 01/11/07 15:42

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
87-86-5	Pentachlorophenol	1.0	25		U
62-44-2	Phenacetin	1.0	10		U
85-01-8	Phenanthrene	1.0	10		U
108-95-2	Phenol	1.0	10		U
106-50-3	p-Phenylenediamine	1.0	10		U
109-06-8	2-Picoline	7.0	10		U
23950-58-5	Pronamide	1.0	10		U
129-00-0	Pyrene	1.0	10		U
110-86-1	Pyridine	1.0	10		U
94-59-7	Safrole	1.0	10		U
95-94-3	1,2,4,5-Tetrachlorobenzene	3.0	10		U
58-90-2	2,3,4,6-Tetrachlorophenol	1.0	10		U
95-53-4	o-Toluidine	4.0	10		U
120-82-1	1,2,4-Trichlorobenzene	1.0	10		U
95-95-4	2,4,5-Trichlorophenol	1.0	25		U
88-06-2	2,4,6-Trichlorophenol	1.0	10		U
126-68-1	O,O,O-Triethylphosphorothioa	3.0	10		U
99-35-4	sym-Trinitrobenzene	3.0	10		U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW33S-001

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW003

Matrix: (soil/water) WATER Lab Sample ID: 0701021-05

Sample wt/vol: 900.0 (g/mL) ML Lab File ID: 0102105R

% Moisture: _____ decanted: (Y/N)___ Date Sampled: 01/04/07 16:05

Extraction: (SepF/Cont/Sonc/Soxh) SEPF Date Extracted:01/09/07

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 01/16/07 13:51

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
83-32-9	Acenaphthene	1.1	11		U
208-96-8	Acenaphthylene	1.1	11		U
98-86-2	Acetophenone	1.1	11		U
53-96-3	2-Acetylaminofluorene	2.2	11		U
92-67-1	4-Aminobiphenyl	2.2	11		U
62-53-3	Aniline	1.1	11		U
140-57-8	Aramite	1.1	11		U
120-12-7	Anthracene	1.1	11		U
1912-24-9	Atrazine	1.1	5.6		U
100-52-7	Benzaldehyde	1.1	5.6		U
56-55-3	Benzo(a)anthracene	1.1	11		U
205-99-2	Benzo(b)fluoranthene	1.1	11		U
207-08-9	Benzo(k)fluoranthene	1.1	11		U
191-24-2	Benzo(g,h,i)perylene	1.1	11		U
50-32-8	Benzo(a)pyrene	1.1	11		U
100-51-6	Benzyl alcohol	1.1	11		U
92-52-4	1,1'-Biphenyl	1.1	5.6		U
111-91-1	bis(2-Chloroethoxy)methane	1.1	11		U
111-44-4	bis(2-Chloroethyl)ether	1.1	11		U
108-60-1	bis(2-Chloroisopropyl)ether	1.1	11		U
117-81-7	Bis(2-ethylhexyl)phthalate	1.1	11		U
101-55-3	4-Bromophenyl-phenylether	1.1	11		U
85-68-7	Butylbenzylphthalate	1.1	11		U
105-60-2	Caprolactam	1.1	5.6		U
86-74-8	Carbazole	1.1	11		U
106-47-8	4-Chloroaniline	1.1	11		U
510-15-6	Chlorobenzilate	1.1	11		U
59-50-7	4-Chloro-3-methylphenol	1.1	11		U
91-58-7	2-Chloronaphthalene	1.1	11		U
95-57-8	2-Chlorophenol	1.1	11		U
7005-72-3	4-Chlorophenyl-phenylether	1.1	11		U
218-01-9	Chrysene	1.1	11		U
2303-16-4	Diallate	1.1	11		U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW33S-001

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW003

Matrix: (soil/water) WATER Lab Sample ID: 0701021-05

Sample wt/vol: 900.0 (g/mL) ML Lab File ID: 0102105R

% Moisture: _____ decanted: (Y/N)___ Date Sampled: 01/04/07 16:05

Extraction: (SepF/Cont/Sonc/Soxh) SEPF Date Extracted:01/09/07

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 01/16/07 13:51

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
53-70-3	Dibenz(a,h)anthracene	1.1	11		U
132-64-9	Dibenzofuran	1.1	11		U
91-94-1	3,3'-Dichlorobenzidine	1.1	11		U
120-83-2	2,4-Dichlorophenol	1.1	11		U
87-65-0	2,6-Dichlorophenol	1.1	11		U
84-66-2	Diethylphthalate	1.1	11		U
60-51-5	Dimethoate	4.4	11		U
60-11-7	p-(Dimethylamino)azobenzene	1.1	11		U
57-97-6	7,12-Dimethylbenz[a]anthrace	1.1	11		U
119-93-7	3,3'-Dimethylbenzidine	47	56		U
122-09-8	a,a-Dimethyl-phenethylamine	1.1	11		U
105-67-9	2,4-Dimethylphenol	1.1	11		U
131-11-3	Dimethylphthalate	1.1	11		U
84-74-2	Di-n-butylphthalate	1.1	11		U
99-65-0	m-Dinitrobenzene	3.3	11		U
534-52-1	4,6-Dinitro-2-methylphenol	1.1	28		U
51-28-5	2,4-Dinitrophenol	11	28		U
121-14-2	2,4-Dinitrotoluene	1.1	11		U
606-20-2	2,6-Dinitrotoluene	1.1	11		U
117-84-0	Di-n-octylphthalate	1.1	11		U
122-39-4	Diphenylamine	1.1	11		U
62-50-0	Ethyl methanesulfonate	1.1	11		U
206-44-0	Fluoranthene	1.1	11		U
86-73-7	Fluorene	1.1	11		U
118-74-1	Hexachlorobenzene	0.52	11		U
87-68-3	Hexachlorobutadiene	1.1	11		U
77-47-4	Hexachlorocyclopentadiene	1.1	11		U
67-72-1	Hexachloroethane	1.1	11		U
70-30-4	Hexachlorophene	28	140		U
1888-71-7	Hexachloropropene	4.4	11		U
193-39-5	Indeno(1,2,3-cd)pyrene	1.1	11		U
465-73-6	Isodrin	2.2	11		U
78-59-1	Isophorone	1.1	11		U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW33S-001

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW003

Matrix: (soil/water) WATER Lab Sample ID: 0701021-05

Sample wt/vol: 900.0 (g/mL) ML Lab File ID: 0102105R

% Moisture: _____ decanted: (Y/N)___ Date Sampled: 01/04/07 16:05

Extraction: (SepF/Cont/Sonc/Soxh) SEPF Date Extracted:01/09/07

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 01/16/07 13:51

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
120-58-1	Isosafrole	1.1	11		U
143-50-0	Kepone	1.1	11		U
91-80-5	Methapyrilene	1.1	11		U
56-49-5	3-Methylcholanthrene	1.1	11		U
66-27-3	Methyl methanesulfonate	1.1	5.6		U
91-57-6	2-Methylnaphthalene	1.1	11		U
106-44-5	4-Methylphenol	1.1	11		U
108-39-4	3-Methylphenol	1.1	11		U
95-48-7	2-Methylphenol	1.1	11		U
91-20-3	Naphthalene	1.1	11		U
130-15-4	1,4-Naphthoquinone	1.1	11		U
134-32-7	1-Naphthylamine	1.1	11		U
91-59-8	2-Naphthylamine	1.1	11		U
88-74-4	2-Nitroaniline	1.1	28		U
99-09-2	3-Nitroaniline	1.1	28		U
100-01-6	4-Nitroaniline	1.1	28		U
98-95-3	Nitrobenzene	1.1	11		U
88-75-5	2-Nitrophenol	1.1	11		U
100-02-7	4-Nitrophenol	5.6	28		U
56-57-5	4-Nitroquinoline-1-oxide	1.1	11		U
924-16-3	N-Nitrosodi-n-butylamine	1.1	11		U
55-18-5	N-Nitrosodiethylamine	1.1	11		U
62-75-9	N-Nitroso-di-methylamine	1.1	11		U
86-30-6	N-Nitrosodiphenylamine (1)	1.1	11		U
621-64-7	N-Nitroso-di-n-propylamine	0.89	11		U
10595-95-6	N-Nitrosomethylethylamine	4.4	11		U
59-89-2	N-Nitrosomorpholine	1.1	11		U
100-75-4	N-Nitrosopiperidine	1.1	11		U
930-55-2	N-Nitrosopyrrolidine	1.1	11		U
99-55-8	5-Nitro-o-toluidine	2.2	11		U
608-93-5	Pentachlorobenzene	4.4	11		U
82-68-8	Pentachloronitrobenzene	4.4	11		U
76-01-7	Pentachloroethane	4.4	11		U

(1) - Cannot be separated from Diphenylamine

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW33S-001

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW003

Matrix: (soil/water) WATER Lab Sample ID: 0701021-05

Sample wt/vol: 900.0 (g/mL) ML Lab File ID: 0102105R

% Moisture: _____ decanted: (Y/N)___ Date Sampled: 01/04/07 16:05

Extraction: (SepF/Cont/Sonc/Soxh) SEPF Date Extracted:01/09/07

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 01/16/07 13:51

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
87-86-5	Pentachlorophenol	1.1	28		U
62-44-2	Phenacetin	1.1	11		U
85-01-8	Phenanthrene	1.1	11		U
108-95-2	Phenol	1.1	11		U
106-50-3	p-Phenylenediamine	1.1	11		U
109-06-8	2-Picoline	7.8	11		U
23950-58-5	Pronamide	1.1	11		U
129-00-0	Pyrene	1.1	11		U
110-86-1	Pyridine	1.1	11		U
94-59-7	Safrole	1.1	11		U
95-94-3	1,2,4,5-Tetrachlorobenzene	3.3	11		U
58-90-2	2,3,4,6-Tetrachlorophenol	1.1	11		U
95-53-4	o-Toluidine	4.4	11		U
120-82-1	1,2,4-Trichlorobenzene	1.1	11		U
95-95-4	2,4,5-Trichlorophenol	1.1	28		U
88-06-2	2,4,6-Trichlorophenol	1.1	11		U
126-68-1	O,O,O-Triethylphosphorothioa	3.3	11		U
99-35-4	sym-Trinitrobenzene	3.3	11		U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW29D-001

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW003

Matrix: (soil/water) WATER Lab Sample ID: 0701028-01

Sample wt/vol: 900.0 (g/mL) ML Lab File ID: 0102801

% Moisture: _____ decanted: (Y/N)___ Date Sampled: 01/05/07 11:45

Extraction: (SepF/Cont/Sonc/Soxh) SEPF Date Extracted:01/09/07

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 01/11/07 16:52

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
83-32-9	Acenaphthene	1.1	11		U
208-96-8	Acenaphthylene	1.1	11		U
98-86-2	Acetophenone	1.1	11		U
53-96-3	2-Acetylaminofluorene	2.2	11		U
92-67-1	4-Aminobiphenyl	2.2	11		U
62-53-3	Aniline	1.1	11		U
140-57-8	Aramite	1.1	11		U
120-12-7	Anthracene	1.1	11		U
1912-24-9	Atrazine	1.1	5.6		U
100-52-7	Benzaldehyde	1.1	5.6		U
56-55-3	Benzo(a)anthracene	1.1	11		U
205-99-2	Benzo(b)fluoranthene	1.1	11		U
207-08-9	Benzo(k)fluoranthene	1.1	11		U
191-24-2	Benzo(g,h,i)perylene	1.1	11		U
50-32-8	Benzo(a)pyrene	1.1	11		U
100-51-6	Benzyl alcohol	1.1	11		U
92-52-4	1,1'-Biphenyl	1.1	5.6		U
111-91-1	bis(2-Chloroethoxy)methane	1.1	11		U
111-44-4	bis(2-Chloroethyl)ether	1.1	11		U
108-60-1	bis(2-Chloroisopropyl)ether	1.1	11		U
117-81-7	Bis(2-ethylhexyl)phthalate	1.1	11		U
101-55-3	4-Bromophenyl-phenylether	1.1	11		U
85-68-7	Butylbenzylphthalate	1.1	11		U
105-60-2	Caprolactam	1.1	5.6		U
86-74-8	Carbazole	1.1	11		U
106-47-8	4-Chloroaniline	1.1	11		U
510-15-6	Chlorobenzilate	1.1	11		U
59-50-7	4-Chloro-3-methylphenol	1.1	11		U
91-58-7	2-Chloronaphthalene	1.1	11		U
95-57-8	2-Chlorophenol	1.1	11		U
7005-72-3	4-Chlorophenyl-phenylether	1.1	11		U
218-01-9	Chrysene	1.1	11		U
2303-16-4	Diallate	1.1	11		U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW29D-001

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW003

Matrix: (soil/water) WATER Lab Sample ID: 0701028-01

Sample wt/vol: 900.0 (g/mL) ML Lab File ID: 0102801

% Moisture: _____ decanted: (Y/N)___ Date Sampled: 01/05/07 11:45

Extraction: (SepF/Cont/Sonc/Soxh) SEPF Date Extracted:01/09/07

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 01/11/07 16:52

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
53-70-3	Dibenz(a,h)anthracene	1.1	11		U
132-64-9	Dibenzofuran	1.1	11		U
91-94-1	3,3'-Dichlorobenzidine	1.1	11		U
120-83-2	2,4-Dichlorophenol	1.1	11		U
87-65-0	2,6-Dichlorophenol	1.1	11		U
84-66-2	Diethylphthalate	1.1	11		U
60-51-5	Dimethoate	4.4	11		U
60-11-7	p-(Dimethylamino)azobenzene	1.1	11		U
57-97-6	7,12-Dimethylbenz[a]anthrace	1.1	11		U
119-93-7	3,3'-Dimethylbenzidine	47	56		U
122-09-8	a,a-Dimethyl-phenethylamine	1.1	11		U
105-67-9	2,4-Dimethylphenol	1.1	11		U
131-11-3	Dimethylphthalate	1.1	11		U
84-74-2	Di-n-butylphthalate	1.1	11		U
99-65-0	m-Dinitrobenzene	3.3	11		U
534-52-1	4,6-Dinitro-2-methylphenol	1.1	28		U
51-28-5	2,4-Dinitrophenol	11	28		U
121-14-2	2,4-Dinitrotoluene	1.1	11		U
606-20-2	2,6-Dinitrotoluene	1.1	11		U
117-84-0	Di-n-octylphthalate	1.1	11		U
122-39-4	Diphenylamine	1.1	11		U
62-50-0	Ethyl methanesulfonate	1.1	11		U
206-44-0	Fluoranthene	1.1	11		U
86-73-7	Fluorene	1.1	11		U
118-74-1	Hexachlorobenzene	0.52	11		U
87-68-3	Hexachlorobutadiene	1.1	11		U
77-47-4	Hexachlorocyclopentadiene	1.1	11		U
67-72-1	Hexachloroethane	1.1	11		U
70-30-4	Hexachlorophene	28	140		U
1888-71-7	Hexachloropropene	4.4	11		U
193-39-5	Indeno(1,2,3-cd)pyrene	1.1	11		U
465-73-6	Isodrin	2.2	11		U
78-59-1	Isophorone	1.1	11		U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW29D-001

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW003

Matrix: (soil/water) WATER Lab Sample ID: 0701028-01

Sample wt/vol: 900.0 (g/mL) ML Lab File ID: 0102801

% Moisture: _____ decanted: (Y/N)___ Date Sampled: 01/05/07 11:45

Extraction: (SepF/Cont/Sonc/Soxh) SEPF Date Extracted:01/09/07

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 01/11/07 16:52

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
120-58-1	Isosafrole	1.1	11		U
143-50-0	Kepone	1.1	11		U
91-80-5	Methapyrilene	1.1	11		U
56-49-5	3-Methylcholanthrene	1.1	11		U
66-27-3	Methyl methanesulfonate	1.1	5.6		U
91-57-6	2-Methylnaphthalene	1.1	11		U
106-44-5	4-Methylphenol	1.1	11		U
108-39-4	3-Methylphenol	1.1	11		U
95-48-7	2-Methylphenol	1.1	11		U
91-20-3	Naphthalene	1.1	11		U
130-15-4	1,4-Naphthoquinone	1.1	11		U
134-32-7	1-Naphthylamine	1.1	11		U
91-59-8	2-Naphthylamine	1.1	11		U
88-74-4	2-Nitroaniline	1.1	28		U
99-09-2	3-Nitroaniline	1.1	28		U
100-01-6	4-Nitroaniline	1.1	28		U
98-95-3	Nitrobenzene	1.1	11		U
88-75-5	2-Nitrophenol	1.1	11		U
100-02-7	4-Nitrophenol	5.6	28		U
56-57-5	4-Nitroquinoline-1-oxide	1.1	11		U
924-16-3	N-Nitrosodi-n-butylamine	1.1	11		U
55-18-5	N-Nitrosodiethylamine	1.1	11		U
62-75-9	N-Nitroso-di-methylamine	1.1	11		U
86-30-6	N-Nitrosodiphenylamine (1)	1.1	11		U
621-64-7	N-Nitroso-di-n-propylamine	0.89	11		U
10595-95-6	N-Nitrosomethylethylamine	4.4	11		U
59-89-2	N-Nitrosomorpholine	1.1	11		U
100-75-4	N-Nitrosopiperidine	1.1	11		U
930-55-2	N-Nitrosopyrrolidine	1.1	11		U
99-55-8	5-Nitro-o-toluidine	2.2	11		U
608-93-5	Pentachlorobenzene	4.4	11		U
82-68-8	Pentachloronitrobenzene	4.4	11		U
76-01-7	Pentachloroethane	4.4	11		U

(1) - Cannot be separated from Diphenylamine

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW29D-001

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW003

Matrix: (soil/water) WATER Lab Sample ID: 0701028-01

Sample wt/vol: 900.0 (g/mL) ML Lab File ID: 0102801

% Moisture: _____ decanted: (Y/N)___ Date Sampled: 01/05/07 11:45

Extraction: (SepF/Cont/Sonc/Soxh) SEPF Date Extracted:01/09/07

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 01/11/07 16:52

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
87-86-5	Pentachlorophenol	1.1	28		U
62-44-2	Phenacetin	1.1	11		U
85-01-8	Phenanthrene	1.1	11		U
108-95-2	Phenol	1.1	11		U
106-50-3	p-Phenylenediamine	1.1	11		U
109-06-8	2-Picoline	7.8	11		U
23950-58-5	Pronamide	1.1	11		U
129-00-0	Pyrene	1.1	11		U
110-86-1	Pyridine	1.1	11		U
94-59-7	Safrole	1.1	11		U
95-94-3	1,2,4,5-Tetrachlorobenzene	3.3	11		U
58-90-2	2,3,4,6-Tetrachlorophenol	1.1	11		U
95-53-4	o-Toluidine	4.4	11		U
120-82-1	1,2,4-Trichlorobenzene	1.1	11		U
95-95-4	2,4,5-Trichlorophenol	1.1	28		U
88-06-2	2,4,6-Trichlorophenol	1.1	11		U
126-68-1	O,O,O-Triethylphosphorothioa	3.3	11		U
99-35-4	sym-Trinitrobenzene	3.3	11		U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW32S-001

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW003

Matrix: (soil/water) WATER Lab Sample ID: 0701028-02

Sample wt/vol: 920.0 (g/mL) ML Lab File ID: 0102802

% Moisture: _____ decanted: (Y/N)___ Date Sampled: 01/05/07 11:10

Extraction: (SepF/Cont/Sonc/Soxh) SEPF Date Extracted:01/09/07

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 01/11/07 17:27

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
83-32-9	Acenaphthene	1.1	11		U
208-96-8	Acenaphthylene	1.1	11		U
98-86-2	Acetophenone	1.1	11		U
53-96-3	2-Acetylaminofluorene	2.2	11		U
92-67-1	4-Aminobiphenyl	2.2	11		U
62-53-3	Aniline	1.1	11		U
140-57-8	Aramite	1.1	11		U
120-12-7	Anthracene	1.1	11		U
1912-24-9	Atrazine	1.1	5.4		U
100-52-7	Benzaldehyde	1.1	5.4		U
56-55-3	Benzo(a)anthracene	1.1	11		U
205-99-2	Benzo(b)fluoranthene	1.1	11		U
207-08-9	Benzo(k)fluoranthene	1.1	11		U
191-24-2	Benzo(g,h,i)perylene	1.1	11		U
50-32-8	Benzo(a)pyrene	1.1	11		U
100-51-6	Benzyl alcohol	1.1	11		U
92-52-4	1,1'-Biphenyl	1.1	5.4		U
111-91-1	bis(2-Chloroethoxy)methane	1.1	11		U
111-44-4	bis(2-Chloroethyl)ether	1.1	11		U
108-60-1	bis(2-Chloroisopropyl)ether	1.1	11		U
117-81-7	Bis(2-ethylhexyl)phthalate	1.1	11		U
101-55-3	4-Bromophenyl-phenylether	1.1	11		U
85-68-7	Butylbenzylphthalate	1.1	11		U
105-60-2	Caprolactam	1.1	5.4	1.8	I
86-74-8	Carbazole	1.1	11		U
106-47-8	4-Chloroaniline	1.1	11		U
510-15-6	Chlorobenzilate	1.1	11		U
59-50-7	4-Chloro-3-methylphenol	1.1	11		U
91-58-7	2-Chloronaphthalene	1.1	11		U
95-57-8	2-Chlorophenol	1.1	11		U
7005-72-3	4-Chlorophenyl-phenylether	1.1	11		U
218-01-9	Chrysene	1.1	11		U
2303-16-4	Diallate	1.1	11		U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW32S-001

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW003

Matrix: (soil/water) WATER Lab Sample ID: 0701028-02

Sample wt/vol: 920.0 (g/mL) ML Lab File ID: 0102802

% Moisture: _____ decanted: (Y/N)___ Date Sampled: 01/05/07 11:10

Extraction: (SepF/Cont/Sonc/Soxh) SEPF Date Extracted:01/09/07

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 01/11/07 17:27

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
53-70-3	Dibenz(a,h)anthracene	1.1	11		U
132-64-9	Dibenzofuran	1.1	11		U
91-94-1	3,3'-Dichlorobenzidine	1.1	11		U
120-83-2	2,4-Dichlorophenol	1.1	11		U
87-65-0	2,6-Dichlorophenol	1.1	11		U
84-66-2	Diethylphthalate	1.1	11		U
60-51-5	Dimethoate	4.3	11		U
60-11-7	p-(Dimethylamino)azobenzene	1.1	11		U
57-97-6	7,12-Dimethylbenz[a]anthrace	1.1	11		U
119-93-7	3,3'-Dimethylbenzidine	46	54		U
122-09-8	a,a-Dimethyl-phenethylamine	1.1	11		U
105-67-9	2,4-Dimethylphenol	1.1	11		U
131-11-3	Dimethylphthalate	1.1	11		U
84-74-2	Di-n-butylphthalate	1.1	11		U
99-65-0	m-Dinitrobenzene	3.3	11		U
534-52-1	4,6-Dinitro-2-methylphenol	1.1	27		U
51-28-5	2,4-Dinitrophenol	11	27		U
121-14-2	2,4-Dinitrotoluene	1.1	11		U
606-20-2	2,6-Dinitrotoluene	1.1	11		U
117-84-0	Di-n-octylphthalate	1.1	11		U
122-39-4	Diphenylamine	1.1	11		U
62-50-0	Ethyl methanesulfonate	1.1	11		U
206-44-0	Fluoranthene	1.1	11		U
86-73-7	Fluorene	1.1	11		U
118-74-1	Hexachlorobenzene	0.51	11		U
87-68-3	Hexachlorobutadiene	1.1	11		U
77-47-4	Hexachlorocyclopentadiene	1.1	11		U
67-72-1	Hexachloroethane	1.1	11		U
70-30-4	Hexachlorophene	27	140		U
1888-71-7	Hexachloropropene	4.3	11		U
193-39-5	Indeno(1,2,3-cd)pyrene	1.1	11		U
465-73-6	Isodrin	2.2	11		U
78-59-1	Isophorone	1.1	11		U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW32S-001

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW003

Matrix: (soil/water) WATER Lab Sample ID: 0701028-02

Sample wt/vol: 920.0 (g/mL) ML Lab File ID: 0102802

% Moisture: _____ decanted: (Y/N)___ Date Sampled: 01/05/07 11:10

Extraction: (SepF/Cont/Sonc/Soxh) SEPF Date Extracted:01/09/07

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 01/11/07 17:27

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
120-58-1	Isosafrole	1.1	11		U
143-50-0	Kepone	1.1	11		U
91-80-5	Methapyrilene	1.1	11		U
56-49-5	3-Methylcholanthrene	1.1	11		U
66-27-3	Methyl methanesulfonate	1.1	5.4		U
91-57-6	2-Methylnaphthalene	1.1	11	3.2	I
106-44-5	4-Methylphenol	1.1	11		U
108-39-4	3-Methylphenol	1.1	11		U
95-48-7	2-Methylphenol	1.1	11		U
91-20-3	Naphthalene	1.1	11	68	
130-15-4	1,4-Naphthoquinone	1.1	11		U
134-32-7	1-Naphthylamine	1.1	11		U
91-59-8	2-Naphthylamine	1.1	11		U
88-74-4	2-Nitroaniline	1.1	27		U
99-09-2	3-Nitroaniline	1.1	27		U
100-01-6	4-Nitroaniline	1.1	27		U
98-95-3	Nitrobenzene	1.1	11		U
88-75-5	2-Nitrophenol	1.1	11		U
100-02-7	4-Nitrophenol	5.4	27		U
56-57-5	4-Nitroquinoline-1-oxide	1.1	11		U
924-16-3	N-Nitrosodi-n-butylamine	1.1	11		U
55-18-5	N-Nitrosodiethylamine	1.1	11		U
62-75-9	N-Nitroso-di-methylamine	1.1	11		U
86-30-6	N-Nitrosodiphenylamine (1)	1.1	11		U
621-64-7	N-Nitroso-di-n-propylamine	0.87	11		U
10595-95-6	N-Nitrosomethylethylamine	4.3	11		U
59-89-2	N-Nitrosomorpholine	1.1	11		U
100-75-4	N-Nitrosopiperidine	1.1	11		U
930-55-2	N-Nitrosopyrrolidine	1.1	11		U
99-55-8	5-Nitro-o-toluidine	2.2	11		U
608-93-5	Pentachlorobenzene	4.3	11		U
82-68-8	Pentachloronitrobenzene	4.3	11		U
76-01-7	Pentachloroethane	4.3	11		U

(1) - Cannot be separated from Diphenylamine

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW32S-001

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW003

Matrix: (soil/water) WATER Lab Sample ID: 0701028-02

Sample wt/vol: 920.0 (g/mL) ML Lab File ID: 0102802

% Moisture: _____ decanted: (Y/N)___ Date Sampled: 01/05/07 11:10

Extraction: (SepF/Cont/Sonc/Soxh) SEPF Date Extracted:01/09/07

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 01/11/07 17:27

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
87-86-5	Pentachlorophenol	1.1	27		U
62-44-2	Phenacetin	1.1	11		U
85-01-8	Phenanthrene	1.1	11		U
108-95-2	Phenol	1.1	11		U
106-50-3	p-Phenylenediamine	1.1	11		U
109-06-8	2-Picoline	7.6	11		U
23950-58-5	Pronamide	1.1	11		U
129-00-0	Pyrene	1.1	11		U
110-86-1	Pyridine	1.1	11		U
94-59-7	Safrole	1.1	11		U
95-94-3	1,2,4,5-Tetrachlorobenzene	3.3	11		U
58-90-2	2,3,4,6-Tetrachlorophenol	1.1	11		U
95-53-4	o-Toluidine	4.3	11		U
120-82-1	1,2,4-Trichlorobenzene	1.1	11		U
95-95-4	2,4,5-Trichlorophenol	1.1	27		U
88-06-2	2,4,6-Trichlorophenol	1.1	11		U
126-68-1	O,O,O-Triethylphosphorothioa	3.3	11		U
99-35-4	sym-Trinitrobenzene	3.3	11		U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW26D-001

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW003

Matrix: (soil/water) WATER Lab Sample ID: 0701028-04

Sample wt/vol: 940.0 (g/mL) ML Lab File ID: 0102804

% Moisture: _____ decanted: (Y/N)___ Date Sampled: 01/05/07 16:20

Extraction: (SepF/Cont/Sonc/Soxh) SEPF Date Extracted:01/09/07

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 01/11/07 18:03

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
83-32-9	Acenaphthene	1.1	11		U
208-96-8	Acenaphthylene	1.1	11		U
98-86-2	Acetophenone	1.1	11		U
53-96-3	2-Acetylaminofluorene	2.1	11		U
92-67-1	4-Aminobiphenyl	2.1	11		U
62-53-3	Aniline	1.1	11		U
140-57-8	Aramite	1.1	11		U
120-12-7	Anthracene	1.1	11		U
1912-24-9	Atrazine	1.1	5.3		U
100-52-7	Benzaldehyde	1.1	5.3		U
56-55-3	Benzo(a)anthracene	1.1	11		U
205-99-2	Benzo(b)fluoranthene	1.1	11		U
207-08-9	Benzo(k)fluoranthene	1.1	11		U
191-24-2	Benzo(g,h,i)perylene	1.1	11		U
50-32-8	Benzo(a)pyrene	1.1	11		U
100-51-6	Benzyl alcohol	1.1	11		U
92-52-4	1,1'-Biphenyl	1.1	5.3		U
111-91-1	bis(2-Chloroethoxy)methane	1.1	11		U
111-44-4	bis(2-Chloroethyl)ether	1.1	11		U
108-60-1	bis(2-Chloroisopropyl)ether	1.1	11		U
117-81-7	Bis(2-ethylhexyl)phthalate	1.1	11		U
101-55-3	4-Bromophenyl-phenylether	1.1	11		U
85-68-7	Butylbenzylphthalate	1.1	11		U
105-60-2	Caprolactam	1.1	5.3		U
86-74-8	Carbazole	1.1	11		U
106-47-8	4-Chloroaniline	1.1	11		U
510-15-6	Chlorobenzilate	1.1	11		U
59-50-7	4-Chloro-3-methylphenol	1.1	11		U
91-58-7	2-Chloronaphthalene	1.1	11		U
95-57-8	2-Chlorophenol	1.1	11		U
7005-72-3	4-Chlorophenyl-phenylether	1.1	11		U
218-01-9	Chrysene	1.1	11		U
2303-16-4	Diallate	1.1	11		U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW26D-001

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW003

Matrix: (soil/water) WATER Lab Sample ID: 0701028-04

Sample wt/vol: 940.0 (g/mL) ML Lab File ID: 0102804

% Moisture: _____ decanted: (Y/N)___ Date Sampled: 01/05/07 16:20

Extraction: (SepF/Cont/Sonc/Soxh) SEPF Date Extracted:01/09/07

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 01/11/07 18:03

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
53-70-3	Dibenz(a,h)anthracene	1.1	11		U
132-64-9	Dibenzofuran	1.1	11		U
91-94-1	3,3'-Dichlorobenzidine	1.1	11		U
120-83-2	2,4-Dichlorophenol	1.1	11		U
87-65-0	2,6-Dichlorophenol	1.1	11		U
84-66-2	Diethylphthalate	1.1	11		U
60-51-5	Dimethoate	4.2	11		U
60-11-7	p-(Dimethylamino)azobenzene	1.1	11		U
57-97-6	7,12-Dimethylbenz[a]anthrace	1.1	11		U
119-93-7	3,3'-Dimethylbenzidine	45	53		U
122-09-8	a,a-Dimethyl-phenethylamine	1.1	11		U
105-67-9	2,4-Dimethylphenol	1.1	11		U
131-11-3	Dimethylphthalate	1.1	11		U
84-74-2	Di-n-butylphthalate	1.1	11		U
99-65-0	m-Dinitrobenzene	3.2	11		U
534-52-1	4,6-Dinitro-2-methylphenol	1.1	26		U
51-28-5	2,4-Dinitrophenol	11	26		U
121-14-2	2,4-Dinitrotoluene	1.1	11		U
606-20-2	2,6-Dinitrotoluene	1.1	11		U
117-84-0	Di-n-octylphthalate	1.1	11		U
122-39-4	Diphenylamine	1.1	11		U
62-50-0	Ethyl methanesulfonate	1.1	11		U
206-44-0	Fluoranthene	1.1	11		U
86-73-7	Fluorene	1.1	11		U
118-74-1	Hexachlorobenzene	0.50	11		U
87-68-3	Hexachlorobutadiene	1.1	11		U
77-47-4	Hexachlorocyclopentadiene	1.1	11		U
67-72-1	Hexachloroethane	1.1	11		U
70-30-4	Hexachlorophene	26	130		U
1888-71-7	Hexachloropropene	4.2	11		U
193-39-5	Indeno(1,2,3-cd)pyrene	1.1	11		U
465-73-6	Isodrin	2.1	11		U
78-59-1	Isophorone	1.1	11		U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW26D-001

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW003

Matrix: (soil/water) WATER Lab Sample ID: 0701028-04

Sample wt/vol: 940.0 (g/mL) ML Lab File ID: 0102804

% Moisture: _____ decanted: (Y/N)___ Date Sampled: 01/05/07 16:20

Extraction: (SepF/Cont/Sonc/Soxh) SEPF Date Extracted:01/09/07

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 01/11/07 18:03

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
120-58-1	Isosafrole	1.1	11		U
143-50-0	Kepone	1.1	11		U
91-80-5	Methapyrilene	1.1	11		U
56-49-5	3-Methylcholanthrene	1.1	11		U
66-27-3	Methyl methanesulfonate	1.1	5.3		U
91-57-6	2-Methylnaphthalene	1.1	11		U
106-44-5	4-Methylphenol	1.1	11		U
108-39-4	3-Methylphenol	1.1	11		U
95-48-7	2-Methylphenol	1.1	11		U
91-20-3	Naphthalene	1.1	11		U
130-15-4	1,4-Naphthoquinone	1.1	11		U
134-32-7	1-Naphthylamine	1.1	11		U
91-59-8	2-Naphthylamine	1.1	11		U
88-74-4	2-Nitroaniline	1.1	26		U
99-09-2	3-Nitroaniline	1.1	26		U
100-01-6	4-Nitroaniline	1.1	26		U
98-95-3	Nitrobenzene	1.1	11		U
88-75-5	2-Nitrophenol	1.1	11		U
100-02-7	4-Nitrophenol	5.3	26		U
56-57-5	4-Nitroquinoline-1-oxide	1.1	11		U
924-16-3	N-Nitrosodi-n-butylamine	1.1	11		U
55-18-5	N-Nitrosodiethylamine	1.1	11		U
62-75-9	N-Nitroso-di-methylamine	1.1	11		U
86-30-6	N-Nitrosodiphenylamine (1)	1.1	11		U
621-64-7	N-Nitroso-di-n-propylamine	0.85	11		U
10595-95-6	N-Nitrosomethylethylamine	4.2	11		U
59-89-2	N-Nitrosomorpholine	1.1	11		U
100-75-4	N-Nitrosopiperidine	1.1	11		U
930-55-2	N-Nitrosopyrrolidine	1.1	11		U
99-55-8	5-Nitro-o-toluidine	2.1	11		U
608-93-5	Pentachlorobenzene	4.2	11		U
82-68-8	Pentachloronitrobenzene	4.2	11		U
76-01-7	Pentachloroethane	4.2	11		U

(1) - Cannot be separated from Diphenylamine

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW26D-001

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW003

Matrix: (soil/water) WATER Lab Sample ID: 0701028-04

Sample wt/vol: 940.0 (g/mL) ML Lab File ID: 0102804

% Moisture: _____ decanted: (Y/N)___ Date Sampled: 01/05/07 16:20

Extraction: (SepF/Cont/Sonc/Soxh) SEPF Date Extracted:01/09/07

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 01/11/07 18:03

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
87-86-5	Pentachlorophenol	1.1	26		U
62-44-2	Phenacetin	1.1	11		U
85-01-8	Phenanthrene	1.1	11		U
108-95-2	Phenol	1.1	11		U
106-50-3	p-Phenylenediamine	1.1	11		U
109-06-8	2-Picoline	7.4	11		U
23950-58-5	Pronamide	1.1	11		U
129-00-0	Pyrene	1.1	11		U
110-86-1	Pyridine	1.1	11		U
94-59-7	Safrole	1.1	11		U
95-94-3	1,2,4,5-Tetrachlorobenzene	3.2	11		U
58-90-2	2,3,4,6-Tetrachlorophenol	1.1	11		U
95-53-4	o-Toluidine	4.2	11		U
120-82-1	1,2,4-Trichlorobenzene	1.1	11		U
95-95-4	2,4,5-Trichlorophenol	1.1	26		U
88-06-2	2,4,6-Trichlorophenol	1.1	11		U
126-68-1	O,O,O-Triethylphosphorothioa	3.2	11		U
99-35-4	sym-Trinitrobenzene	3.2	11		U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW36S-001

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW003

Matrix: (soil/water) WATER Lab Sample ID: 0701028-05

Sample wt/vol: 920.0 (g/mL) ML Lab File ID: 0102805

% Moisture: _____ decanted: (Y/N)___ Date Sampled: 01/05/07 14:45

Extraction: (SepF/Cont/Sonc/Soxh) SEPF Date Extracted:01/09/07

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 01/11/07 18:38

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
83-32-9	Acenaphthene	1.1	11		U
208-96-8	Acenaphthylene	1.1	11		U
98-86-2	Acetophenone	1.1	11		U
53-96-3	2-Acetylaminofluorene	2.2	11		U
92-67-1	4-Aminobiphenyl	2.2	11		U
62-53-3	Aniline	1.1	11		U
140-57-8	Aramite	1.1	11		U
120-12-7	Anthracene	1.1	11		U
1912-24-9	Atrazine	1.1	5.4		U
100-52-7	Benzaldehyde	1.1	5.4		U
56-55-3	Benzo(a)anthracene	1.1	11		U
205-99-2	Benzo(b)fluoranthene	1.1	11		U
207-08-9	Benzo(k)fluoranthene	1.1	11		U
191-24-2	Benzo(g,h,i)perylene	1.1	11		U
50-32-8	Benzo(a)pyrene	1.1	11		U
100-51-6	Benzyl alcohol	1.1	11		U
92-52-4	1,1'-Biphenyl	1.1	5.4		U
111-91-1	bis(2-Chloroethoxy)methane	1.1	11		U
111-44-4	bis(2-Chloroethyl)ether	1.1	11		U
108-60-1	bis(2-Chloroisopropyl)ether	1.1	11		U
117-81-7	Bis(2-ethylhexyl)phthalate	1.1	11		U
101-55-3	4-Bromophenyl-phenylether	1.1	11		U
85-68-7	Butylbenzylphthalate	1.1	11		U
105-60-2	Caprolactam	1.1	5.4		U
86-74-8	Carbazole	1.1	11		U
106-47-8	4-Chloroaniline	1.1	11		U
510-15-6	Chlorobenzilate	1.1	11		U
59-50-7	4-Chloro-3-methylphenol	1.1	11		U
91-58-7	2-Chloronaphthalene	1.1	11		U
95-57-8	2-Chlorophenol	1.1	11		U
7005-72-3	4-Chlorophenyl-phenylether	1.1	11		U
218-01-9	Chrysene	1.1	11		U
2303-16-4	Diallate	1.1	11		U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW36S-001

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW003

Matrix: (soil/water) WATER Lab Sample ID: 0701028-05

Sample wt/vol: 920.0 (g/mL) ML Lab File ID: 0102805

% Moisture: _____ decanted: (Y/N)___ Date Sampled: 01/05/07 14:45

Extraction: (SepF/Cont/Sonc/Soxh) SEPF Date Extracted:01/09/07

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 01/11/07 18:38

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
53-70-3	Dibenz(a,h)anthracene	1.1	11		U
132-64-9	Dibenzofuran	1.1	11		U
91-94-1	3,3'-Dichlorobenzidine	1.1	11		U
120-83-2	2,4-Dichlorophenol	1.1	11		U
87-65-0	2,6-Dichlorophenol	1.1	11		U
84-66-2	Diethylphthalate	1.1	11		U
60-51-5	Dimethoate	4.3	11		U
60-11-7	p-(Dimethylamino)azobenzene	1.1	11		U
57-97-6	7,12-Dimethylbenz[a]anthrace	1.1	11		U
119-93-7	3,3'-Dimethylbenzidine	46	54		U
122-09-8	a,a-Dimethyl-phenethylamine	1.1	11		U
105-67-9	2,4-Dimethylphenol	1.1	11		U
131-11-3	Dimethylphthalate	1.1	11		U
84-74-2	Di-n-butylphthalate	1.1	11		U
99-65-0	m-Dinitrobenzene	3.3	11		U
534-52-1	4,6-Dinitro-2-methylphenol	1.1	27		U
51-28-5	2,4-Dinitrophenol	11	27		U
121-14-2	2,4-Dinitrotoluene	1.1	11		U
606-20-2	2,6-Dinitrotoluene	1.1	11		U
117-84-0	Di-n-octylphthalate	1.1	11		U
122-39-4	Diphenylamine	1.1	11		U
62-50-0	Ethyl methanesulfonate	1.1	11		U
206-44-0	Fluoranthene	1.1	11		U
86-73-7	Fluorene	1.1	11		U
118-74-1	Hexachlorobenzene	0.51	11		U
87-68-3	Hexachlorobutadiene	1.1	11		U
77-47-4	Hexachlorocyclopentadiene	1.1	11		U
67-72-1	Hexachloroethane	1.1	11		U
70-30-4	Hexachlorophene	27	140		U
1888-71-7	Hexachloropropene	4.3	11		U
193-39-5	Indeno(1,2,3-cd)pyrene	1.1	11		U
465-73-6	Isodrin	2.2	11		U
78-59-1	Isophorone	1.1	11		U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW36S-001

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW003

Matrix: (soil/water) WATER Lab Sample ID: 0701028-05

Sample wt/vol: 920.0 (g/mL) ML Lab File ID: 0102805

% Moisture: _____ decanted: (Y/N)___ Date Sampled: 01/05/07 14:45

Extraction: (SepF/Cont/Sonc/Soxh) SEPF Date Extracted:01/09/07

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 01/11/07 18:38

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
120-58-1	Isosafrole	1.1	11		U
143-50-0	Kepone	1.1	11		U
91-80-5	Methapyrilene	1.1	11		U
56-49-5	3-Methylcholanthrene	1.1	11		U
66-27-3	Methyl methanesulfonate	1.1	5.4		U
91-57-6	2-Methylnaphthalene	1.1	11		U
106-44-5	4-Methylphenol	1.1	11		U
108-39-4	3-Methylphenol	1.1	11		U
95-48-7	2-Methylphenol	1.1	11		U
91-20-3	Naphthalene	1.1	11		U
130-15-4	1,4-Naphthoquinone	1.1	11		U
134-32-7	1-Naphthylamine	1.1	11		U
91-59-8	2-Naphthylamine	1.1	11		U
88-74-4	2-Nitroaniline	1.1	27		U
99-09-2	3-Nitroaniline	1.1	27		U
100-01-6	4-Nitroaniline	1.1	27		U
98-95-3	Nitrobenzene	1.1	11		U
88-75-5	2-Nitrophenol	1.1	11		U
100-02-7	4-Nitrophenol	5.4	27		U
56-57-5	4-Nitroquinoline-1-oxide	1.1	11		U
924-16-3	N-Nitrosodi-n-butylamine	1.1	11		U
55-18-5	N-Nitrosodiethylamine	1.1	11		U
62-75-9	N-Nitroso-di-methylamine	1.1	11		U
86-30-6	N-Nitrosodiphenylamine (1)	1.1	11		U
621-64-7	N-Nitroso-di-n-propylamine	0.87	11		U
10595-95-6	N-Nitrosomethylethylamine	4.3	11		U
59-89-2	N-Nitrosomorpholine	1.1	11		U
100-75-4	N-Nitrosopiperidine	1.1	11		U
930-55-2	N-Nitrosopyrrolidine	1.1	11		U
99-55-8	5-Nitro-o-toluidine	2.2	11		U
608-93-5	Pentachlorobenzene	4.3	11		U
82-68-8	Pentachloronitrobenzene	4.3	11		U
76-01-7	Pentachloroethane	4.3	11		U

(1) - Cannot be separated from Diphenylamine

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW36S-001

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW003

Matrix: (soil/water) WATER Lab Sample ID: 0701028-05

Sample wt/vol: 920.0 (g/mL) ML Lab File ID: 0102805

% Moisture: _____ decanted: (Y/N)___ Date Sampled: 01/05/07 14:45

Extraction: (SepF/Cont/Sonc/Soxh) SEPF Date Extracted:01/09/07

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 01/11/07 18:38

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
87-86-5	Pentachlorophenol	1.1	27		U
62-44-2	Phenacetin	1.1	11		U
85-01-8	Phenanthrene	1.1	11		U
108-95-2	Phenol	1.1	11		U
106-50-3	p-Phenylenediamine	1.1	11		U
109-06-8	2-Picoline	7.6	11		U
23950-58-5	Pronamide	1.1	11		U
129-00-0	Pyrene	1.1	11		U
110-86-1	Pyridine	1.1	11		U
94-59-7	Safrole	1.1	11		U
95-94-3	1,2,4,5-Tetrachlorobenzene	3.3	11		U
58-90-2	2,3,4,6-Tetrachlorophenol	1.1	11		U
95-53-4	o-Toluidine	4.3	11		U
120-82-1	1,2,4-Trichlorobenzene	1.1	11		U
95-95-4	2,4,5-Trichlorophenol	1.1	27		U
88-06-2	2,4,6-Trichlorophenol	1.1	11		U
126-68-1	O,O,O-Triethylphosphorothioa	3.3	11		U
99-35-4	sym-Trinitrobenzene	3.3	11		U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW31S-001

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW003

Matrix: (soil/water) WATER Lab Sample ID: 0701028-06

Sample wt/vol: 920.0 (g/mL) ML Lab File ID: 0102806R

% Moisture: _____ decanted: (Y/N)___ Date Sampled: 01/05/07 15:15

Extraction: (SepF/Cont/Sonc/Soxh) SEPF Date Extracted:01/09/07

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 01/12/07 20:49

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
83-32-9	Acenaphthene	1.1	11		U
208-96-8	Acenaphthylene	1.1	11		U
98-86-2	Acetophenone	1.1	11		U
53-96-3	2-Acetylaminofluorene	2.2	11		U
92-67-1	4-Aminobiphenyl	2.2	11		U
62-53-3	Aniline	1.1	11		U
140-57-8	Aramite	1.1	11		U
120-12-7	Anthracene	1.1	11		U
1912-24-9	Atrazine	1.1	5.4		U
100-52-7	Benzaldehyde	1.1	5.4		U
56-55-3	Benzo(a)anthracene	1.1	11		U
205-99-2	Benzo(b)fluoranthene	1.1	11		U
207-08-9	Benzo(k)fluoranthene	1.1	11		U
191-24-2	Benzo(g,h,i)perylene	1.1	11		U
50-32-8	Benzo(a)pyrene	1.1	11		U
100-51-6	Benzyl alcohol	1.1	11		U
92-52-4	1,1'-Biphenyl	1.1	5.4	1.1	I
111-91-1	bis(2-Chloroethoxy)methane	1.1	11		U
111-44-4	bis(2-Chloroethyl)ether	1.1	11		U
108-60-1	bis(2-Chloroisopropyl)ether	1.1	11		U
117-81-7	Bis(2-ethylhexyl)phthalate	1.1	11		U
101-55-3	4-Bromophenyl-phenylether	1.1	11		U
85-68-7	Butylbenzylphthalate	1.1	11		U
105-60-2	Caprolactam	1.1	5.4		U
86-74-8	Carbazole	1.1	11		U
106-47-8	4-Chloroaniline	1.1	11		U
510-15-6	Chlorobenzilate	1.1	11		U
59-50-7	4-Chloro-3-methylphenol	1.1	11		U
91-58-7	2-Chloronaphthalene	1.1	11		U
95-57-8	2-Chlorophenol	1.1	11		U
7005-72-3	4-Chlorophenyl-phenylether	1.1	11		U
218-01-9	Chrysene	1.1	11		U
2303-16-4	Diallate	1.1	11		U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW31S-001

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW003

Matrix: (soil/water) WATER Lab Sample ID: 0701028-06

Sample wt/vol: 920.0 (g/mL) ML Lab File ID: 0102806R

% Moisture: _____ decanted: (Y/N)___ Date Sampled: 01/05/07 15:15

Extraction: (SepF/Cont/Sonc/Soxh) SEPF Date Extracted:01/09/07

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 01/12/07 20:49

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
53-70-3	Dibenz(a,h)anthracene	1.1	11		U
132-64-9	Dibenzofuran	1.1	11		U
91-94-1	3,3'-Dichlorobenzidine	1.1	11		U
120-83-2	2,4-Dichlorophenol	1.1	11		U
87-65-0	2,6-Dichlorophenol	1.1	11		U
84-66-2	Diethylphthalate	1.1	11		U
60-51-5	Dimethoate	4.3	11		U
60-11-7	p-(Dimethylamino)azobenzene	1.1	11		U
57-97-6	7,12-Dimethylbenz[a]anthrace	1.1	11		U
119-93-7	3,3'-Dimethylbenzidine	46	54		U
122-09-8	a,a-Dimethyl-phenethylamine	1.1	11		U
105-67-9	2,4-Dimethylphenol	1.1	11		U
131-11-3	Dimethylphthalate	1.1	11		U
84-74-2	Di-n-butylphthalate	1.1	11		U
99-65-0	m-Dinitrobenzene	3.3	11		U
534-52-1	4,6-Dinitro-2-methylphenol	1.1	27		U
51-28-5	2,4-Dinitrophenol	11	27		U
121-14-2	2,4-Dinitrotoluene	1.1	11		U
606-20-2	2,6-Dinitrotoluene	1.1	11		U
117-84-0	Di-n-octylphthalate	1.1	11		U
122-39-4	Diphenylamine	1.1	11		U
62-50-0	Ethyl methanesulfonate	1.1	11		U
206-44-0	Fluoranthene	1.1	11		U
86-73-7	Fluorene	1.1	11		U
118-74-1	Hexachlorobenzene	0.51	11		U
87-68-3	Hexachlorobutadiene	1.1	11		U
77-47-4	Hexachlorocyclopentadiene	1.1	11		U
67-72-1	Hexachloroethane	1.1	11		U
70-30-4	Hexachlorophene	27	140		U
1888-71-7	Hexachloropropene	4.3	11		U
193-39-5	Indeno(1,2,3-cd)pyrene	1.1	11		U
465-73-6	Isodrin	2.2	11		U
78-59-1	Isophorone	1.1	11		U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW31S-001

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW003

Matrix: (soil/water) WATER Lab Sample ID: 0701028-06

Sample wt/vol: 920.0 (g/mL) ML Lab File ID: 0102806R

% Moisture: _____ decanted: (Y/N)___ Date Sampled: 01/05/07 15:15

Extraction: (SepF/Cont/Sonc/Soxh) SEPF Date Extracted:01/09/07

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 01/12/07 20:49

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
120-58-1	Isosafrole	1.1	11		U
143-50-0	Kepone	1.1	11		U
91-80-5	Methapyrilene	1.1	11		U
56-49-5	3-Methylcholanthrene	1.1	11		U
66-27-3	Methyl methanesulfonate	1.1	5.4		U
91-57-6	2-Methylnaphthalene	1.1	11	7.8	I
106-44-5	4-Methylphenol	1.1	11		U
108-39-4	3-Methylphenol	1.1	11		U
95-48-7	2-Methylphenol	1.1	11		U
91-20-3	Naphthalene	1.1	11	42	
130-15-4	1,4-Naphthoquinone	1.1	11		U
134-32-7	1-Naphthylamine	1.1	11		U
91-59-8	2-Naphthylamine	1.1	11		U
88-74-4	2-Nitroaniline	1.1	27		U
99-09-2	3-Nitroaniline	1.1	27		U
100-01-6	4-Nitroaniline	1.1	27		U
98-95-3	Nitrobenzene	1.1	11		U
88-75-5	2-Nitrophenol	1.1	11		U
100-02-7	4-Nitrophenol	5.4	27		U
56-57-5	4-Nitroquinoline-1-oxide	1.1	11		U
924-16-3	N-Nitrosodi-n-butylamine	1.1	11		U
55-18-5	N-Nitrosodiethylamine	1.1	11		U
62-75-9	N-Nitroso-di-methylamine	1.1	11		U
86-30-6	N-Nitrosodiphenylamine (1)	1.1	11		U
621-64-7	N-Nitroso-di-n-propylamine	0.87	11		U
10595-95-6	N-Nitrosomethylethylamine	4.3	11		U
59-89-2	N-Nitrosomorpholine	1.1	11		U
100-75-4	N-Nitrosopiperidine	1.1	11		U
930-55-2	N-Nitrosopyrrolidine	1.1	11		U
99-55-8	5-Nitro-o-toluidine	2.2	11		U
608-93-5	Pentachlorobenzene	4.3	11		U
82-68-8	Pentachloronitrobenzene	4.3	11		U
76-01-7	Pentachloroethane	4.3	11		U

(1) - Cannot be separated from Diphenylamine

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW31S-001

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW003

Matrix: (soil/water) WATER Lab Sample ID: 0701028-06

Sample wt/vol: 920.0 (g/mL) ML Lab File ID: 0102806R

% Moisture: _____ decanted: (Y/N)___ Date Sampled: 01/05/07 15:15

Extraction: (SepF/Cont/Sonc/Soxh) SEPF Date Extracted:01/09/07

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 01/12/07 20:49

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
87-86-5	Pentachlorophenol	1.1	27		U
62-44-2	Phenacetin	1.1	11		U
85-01-8	Phenanthrene	1.1	11		U
108-95-2	Phenol	1.1	11		U
106-50-3	p-Phenylenediamine	1.1	11		U
109-06-8	2-Picoline	7.6	11		U
23950-58-5	Pronamide	1.1	11		U
129-00-0	Pyrene	1.1	11		U
110-86-1	Pyridine	1.1	11		U
94-59-7	Safrole	1.1	11		U
95-94-3	1,2,4,5-Tetrachlorobenzene	3.3	11		U
58-90-2	2,3,4,6-Tetrachlorophenol	1.1	11		U
95-53-4	o-Toluidine	4.3	11		U
120-82-1	1,2,4-Trichlorobenzene	1.1	11		U
95-95-4	2,4,5-Trichlorophenol	1.1	27		U
88-06-2	2,4,6-Trichlorophenol	1.1	11		U
126-68-1	O,O,O-Triethylphosphorothioa	3.3	11		U
99-35-4	sym-Trinitrobenzene	3.3	11		U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW02D-001

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW003

Matrix: (soil/water) WATER Lab Sample ID: 0701033-01

Sample wt/vol: 940.0 (g/mL) ML Lab File ID: 0103301

% Moisture: _____ decanted: (Y/N)___ Date Sampled: 01/06/07 11:15

Extraction: (SepF/Cont/Sonc/Soxh) SEPF Date Extracted:01/11/07

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 01/12/07 13:48

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
83-32-9	Acenaphthene	1.1	11		U
208-96-8	Acenaphthylene	1.1	11		U
98-86-2	Acetophenone	1.1	11		U
53-96-3	2-Acetylaminofluorene	2.1	11		U
92-67-1	4-Aminobiphenyl	2.1	11		U
62-53-3	Aniline	1.1	11		U
140-57-8	Aramite	1.1	11		U
120-12-7	Anthracene	1.1	11		U
1912-24-9	Atrazine	1.1	5.3		U
100-52-7	Benzaldehyde	1.1	5.3		U
56-55-3	Benzo(a)anthracene	1.1	11		U
205-99-2	Benzo(b)fluoranthene	1.1	11		U
207-08-9	Benzo(k)fluoranthene	1.1	11		U
191-24-2	Benzo(g,h,i)perylene	1.1	11		U
50-32-8	Benzo(a)pyrene	1.1	11		U
100-51-6	Benzyl alcohol	1.1	11		U
92-52-4	1,1'-Biphenyl	1.1	5.3		U
111-91-1	bis(2-Chloroethoxy)methane	1.1	11		U
111-44-4	bis(2-Chloroethyl)ether	1.1	11		U
108-60-1	bis(2-Chloroisopropyl)ether	1.1	11		U
117-81-7	Bis(2-ethylhexyl)phthalate	1.1	11		U
101-55-3	4-Bromophenyl-phenylether	1.1	11		U
85-68-7	Butylbenzylphthalate	1.1	11		U
105-60-2	Caprolactam	1.1	5.3		U
86-74-8	Carbazole	1.1	11		U
106-47-8	4-Chloroaniline	1.1	11		U
510-15-6	Chlorobenzilate	1.1	11		U
59-50-7	4-Chloro-3-methylphenol	1.1	11		U
91-58-7	2-Chloronaphthalene	1.1	11		U
95-57-8	2-Chlorophenol	1.1	11		U
7005-72-3	4-Chlorophenyl-phenylether	1.1	11		U
218-01-9	Chrysene	1.1	11		U
2303-16-4	Diallate	1.1	11		U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW02D-001

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW003

Matrix: (soil/water) WATER Lab Sample ID: 0701033-01

Sample wt/vol: 940.0 (g/mL) ML Lab File ID: 0103301

% Moisture: _____ decanted: (Y/N)___ Date Sampled: 01/06/07 11:15

Extraction: (SepF/Cont/Sonc/Soxh) SEPF Date Extracted:01/11/07

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 01/12/07 13:48

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
53-70-3	Dibenz(a,h)anthracene	1.1	11		U
132-64-9	Dibenzofuran	1.1	11		U
91-94-1	3,3'-Dichlorobenzidine	1.1	11		U
120-83-2	2,4-Dichlorophenol	1.1	11		U
87-65-0	2,6-Dichlorophenol	1.1	11		U
84-66-2	Diethylphthalate	1.1	11		U
60-51-5	Dimethoate	4.2	11		U
60-11-7	p-(Dimethylamino)azobenzene	1.1	11		U
57-97-6	7,12-Dimethylbenz[a]anthrace	1.1	11		U
119-93-7	3,3'-Dimethylbenzidine	45	53		U
122-09-8	a,a-Dimethyl-phenethylamine	1.1	11		U
105-67-9	2,4-Dimethylphenol	1.1	11		U
131-11-3	Dimethylphthalate	1.1	11		U
84-74-2	Di-n-butylphthalate	1.1	11		U
99-65-0	m-Dinitrobenzene	3.2	11		U
534-52-1	4,6-Dinitro-2-methylphenol	1.1	26		U
51-28-5	2,4-Dinitrophenol	11	26		U
121-14-2	2,4-Dinitrotoluene	1.1	11		U
606-20-2	2,6-Dinitrotoluene	1.1	11		U
117-84-0	Di-n-octylphthalate	1.1	11		U
122-39-4	Diphenylamine	1.1	11		U
62-50-0	Ethyl methanesulfonate	1.1	11		U
206-44-0	Fluoranthene	1.1	11		U
86-73-7	Fluorene	1.1	11		U
118-74-1	Hexachlorobenzene	0.50	11		U
87-68-3	Hexachlorobutadiene	1.1	11		U
77-47-4	Hexachlorocyclopentadiene	1.1	11		U
67-72-1	Hexachloroethane	1.1	11		U
70-30-4	Hexachlorophene	26	130		U
1888-71-7	Hexachloropropene	4.2	11		U
193-39-5	Indeno(1,2,3-cd)pyrene	1.1	11		U
465-73-6	Isodrin	2.1	11		U
78-59-1	Isophorone	1.1	11		U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW02D-001

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW003

Matrix: (soil/water) WATER Lab Sample ID: 0701033-01

Sample wt/vol: 940.0 (g/mL) ML Lab File ID: 0103301

% Moisture: _____ decanted: (Y/N)___ Date Sampled: 01/06/07 11:15

Extraction: (SepF/Cont/Sonc/Soxh) SEPF Date Extracted:01/11/07

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 01/12/07 13:48

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
120-58-1	Isosafrole	1.1	11		U
143-50-0	Kepone	1.1	11		U
91-80-5	Methapyrilene	1.1	11		U
56-49-5	3-Methylcholanthrene	1.1	11		U
66-27-3	Methyl methanesulfonate	1.1	5.3		U
91-57-6	2-Methylnaphthalene	1.1	11		U
106-44-5	4-Methylphenol	1.1	11		U
108-39-4	3-Methylphenol	1.1	11		U
95-48-7	2-Methylphenol	1.1	11		U
91-20-3	Naphthalene	1.1	11		U
130-15-4	1,4-Naphthoquinone	1.1	11		U
134-32-7	1-Naphthylamine	1.1	11		U
91-59-8	2-Naphthylamine	1.1	11		U
88-74-4	2-Nitroaniline	1.1	26		U
99-09-2	3-Nitroaniline	1.1	26		U
100-01-6	4-Nitroaniline	1.1	26		U
98-95-3	Nitrobenzene	1.1	11		U
88-75-5	2-Nitrophenol	1.1	11		U
100-02-7	4-Nitrophenol	5.3	26		U
56-57-5	4-Nitroquinoline-1-oxide	1.1	11		U
924-16-3	N-Nitrosodi-n-butylamine	1.1	11		U
55-18-5	N-Nitrosodiethylamine	1.1	11		U
62-75-9	N-Nitroso-di-methylamine	1.1	11		U
86-30-6	N-Nitrosodiphenylamine (1)	1.1	11		U
621-64-7	N-Nitroso-di-n-propylamine	0.85	11		U
10595-95-6	N-Nitrosomethylethylamine	4.2	11		U
59-89-2	N-Nitrosomorpholine	1.1	11		U
100-75-4	N-Nitrosopiperidine	1.1	11		U
930-55-2	N-Nitrosopyrrolidine	1.1	11		U
99-55-8	5-Nitro-o-toluidine	2.1	11		U
608-93-5	Pentachlorobenzene	4.2	11		U
82-68-8	Pentachloronitrobenzene	4.2	11		U
76-01-7	Pentachloroethane	4.2	11		U

(1) - Cannot be separated from Diphenylamine

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW02D-001

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW003

Matrix: (soil/water) WATER Lab Sample ID: 0701033-01

Sample wt/vol: 940.0 (g/mL) ML Lab File ID: 0103301

% Moisture: _____ decanted: (Y/N)___ Date Sampled: 01/06/07 11:15

Extraction: (SepF/Cont/Sonc/Soxh) SEPF Date Extracted:01/11/07

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 01/12/07 13:48

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
87-86-5	Pentachlorophenol	1.1	26		U
62-44-2	Phenacetin	1.1	11		U
85-01-8	Phenanthrene	1.1	11		U
108-95-2	Phenol	1.1	11		U
106-50-3	p-Phenylenediamine	1.1	11		U
109-06-8	2-Picoline	7.4	11		U
23950-58-5	Pronamide	1.1	11		U
129-00-0	Pyrene	1.1	11		U
110-86-1	Pyridine	1.1	11		U
94-59-7	Safrole	1.1	11		U
95-94-3	1,2,4,5-Tetrachlorobenzene	3.2	11		U
58-90-2	2,3,4,6-Tetrachlorophenol	1.1	11		U
95-53-4	o-Toluidine	4.2	11		U
120-82-1	1,2,4-Trichlorobenzene	1.1	11		U
95-95-4	2,4,5-Trichlorophenol	1.1	26		U
88-06-2	2,4,6-Trichlorophenol	1.1	11		U
126-68-1	O,O,O-Triethylphosphorothioa	3.2	11		U
99-35-4	sym-Trinitrobenzene	3.2	11		U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.
OLFS4-MW
01D2-001

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW003

Matrix: (soil/water) WATER Lab Sample ID: 0701033-02

Sample wt/vol: 900.0 (g/mL) ML Lab File ID: 0103302

% Moisture: _____ decanted: (Y/N)___ Date Sampled: 01/06/07 10:40

Extraction: (SepF/Cont/Sonc/Soxh) SEPF Date Extracted:01/11/07

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 01/12/07 14:23

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
83-32-9	Acenaphthene	1.1	11		U
208-96-8	Acenaphthylene	1.1	11		U
98-86-2	Acetophenone	1.1	11		U
53-96-3	2-Acetylaminofluorene	2.2	11		U
92-67-1	4-Aminobiphenyl	2.2	11		U
62-53-3	Aniline	1.1	11		U
140-57-8	Aramite	1.1	11		U
120-12-7	Anthracene	1.1	11		U
1912-24-9	Atrazine	1.1	5.6		U
100-52-7	Benzaldehyde	1.1	5.6		U
56-55-3	Benzo(a)anthracene	1.1	11		U
205-99-2	Benzo(b)fluoranthene	1.1	11		U
207-08-9	Benzo(k)fluoranthene	1.1	11		U
191-24-2	Benzo(g,h,i)perylene	1.1	11		U
50-32-8	Benzo(a)pyrene	1.1	11		U
100-51-6	Benzyl alcohol	1.1	11		U
92-52-4	1,1'-Biphenyl	1.1	5.6		U
111-91-1	bis(2-Chloroethoxy)methane	1.1	11		U
111-44-4	bis(2-Chloroethyl)ether	1.1	11		U
108-60-1	bis(2-Chloroisopropyl)ether	1.1	11		U
117-81-7	Bis(2-ethylhexyl)phthalate	1.1	11		U
101-55-3	4-Bromophenyl-phenylether	1.1	11		U
85-68-7	Butylbenzylphthalate	1.1	11		U
105-60-2	Caprolactam	1.1	5.6		U
86-74-8	Carbazole	1.1	11		U
106-47-8	4-Chloroaniline	1.1	11		U
510-15-6	Chlorobenzilate	1.1	11		U
59-50-7	4-Chloro-3-methylphenol	1.1	11		U
91-58-7	2-Chloronaphthalene	1.1	11		U
95-57-8	2-Chlorophenol	1.1	11		U
7005-72-3	4-Chlorophenyl-phenylether	1.1	11		U
218-01-9	Chrysene	1.1	11		U
2303-16-4	Diallate	1.1	11		U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.
OLFS4-MW
01D2-001

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW003

Matrix: (soil/water) WATER Lab Sample ID: 0701033-02

Sample wt/vol: 900.0 (g/mL) ML Lab File ID: 0103302

% Moisture: _____ decanted: (Y/N)___ Date Sampled: 01/06/07 10:40

Extraction: (SepF/Cont/Sonc/Soxh) SEPF Date Extracted:01/11/07

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 01/12/07 14:23

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
53-70-3	Dibenz(a,h)anthracene	1.1	11		U
132-64-9	Dibenzofuran	1.1	11		U
91-94-1	3,3'-Dichlorobenzidine	1.1	11		U
120-83-2	2,4-Dichlorophenol	1.1	11		U
87-65-0	2,6-Dichlorophenol	1.1	11		U
84-66-2	Diethylphthalate	1.1	11		U
60-51-5	Dimethoate	4.4	11		U
60-11-7	p-(Dimethylamino)azobenzene	1.1	11		U
57-97-6	7,12-Dimethylbenz[a]anthrace	1.1	11		U
119-93-7	3,3'-Dimethylbenzidine	47	56		U
122-09-8	a,a-Dimethyl-phenethylamine	1.1	11		U
105-67-9	2,4-Dimethylphenol	1.1	11		U
131-11-3	Dimethylphthalate	1.1	11		U
84-74-2	Di-n-butylphthalate	1.1	11		U
99-65-0	m-Dinitrobenzene	3.3	11		U
534-52-1	4,6-Dinitro-2-methylphenol	1.1	28		U
51-28-5	2,4-Dinitrophenol	11	28		U
121-14-2	2,4-Dinitrotoluene	1.1	11		U
606-20-2	2,6-Dinitrotoluene	1.1	11		U
117-84-0	Di-n-octylphthalate	1.1	11		U
122-39-4	Diphenylamine	1.1	11		U
62-50-0	Ethyl methanesulfonate	1.1	11		U
206-44-0	Fluoranthene	1.1	11		U
86-73-7	Fluorene	1.1	11		U
118-74-1	Hexachlorobenzene	0.52	11		U
87-68-3	Hexachlorobutadiene	1.1	11		U
77-47-4	Hexachlorocyclopentadiene	1.1	11		U
67-72-1	Hexachloroethane	1.1	11		U
70-30-4	Hexachlorophene	28	140		U
1888-71-7	Hexachloropropene	4.4	11		U
193-39-5	Indeno(1,2,3-cd)pyrene	1.1	11		U
465-73-6	Isodrin	2.2	11		U
78-59-1	Isophorone	1.1	11		U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.
OLFS4-MW
01D2-001

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW003

Matrix: (soil/water) WATER Lab Sample ID: 0701033-02

Sample wt/vol: 900.0 (g/mL) ML Lab File ID: 0103302

% Moisture: _____ decanted: (Y/N)___ Date Sampled: 01/06/07 10:40

Extraction: (SepF/Cont/Sonc/Soxh) SEPF Date Extracted:01/11/07

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 01/12/07 14:23

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
120-58-1	Isosafrole	1.1	11		U
143-50-0	Kepone	1.1	11		U
91-80-5	Methapyrilene	1.1	11		U
56-49-5	3-Methylcholanthrene	1.1	11		U
66-27-3	Methyl methanesulfonate	1.1	5.6		U
91-57-6	2-Methylnaphthalene	1.1	11		U
106-44-5	4-Methylphenol	1.1	11		U
108-39-4	3-Methylphenol	1.1	11		U
95-48-7	2-Methylphenol	1.1	11		U
91-20-3	Naphthalene	1.1	11		U
130-15-4	1,4-Naphthoquinone	1.1	11		U
134-32-7	1-Naphthylamine	1.1	11		U
91-59-8	2-Naphthylamine	1.1	11		U
88-74-4	2-Nitroaniline	1.1	28		U
99-09-2	3-Nitroaniline	1.1	28		U
100-01-6	4-Nitroaniline	1.1	28		U
98-95-3	Nitrobenzene	1.1	11		U
88-75-5	2-Nitrophenol	1.1	11		U
100-02-7	4-Nitrophenol	5.6	28		U
56-57-5	4-Nitroquinoline-1-oxide	1.1	11		U
924-16-3	N-Nitrosodi-n-butylamine	1.1	11		U
55-18-5	N-Nitrosodiethylamine	1.1	11		U
62-75-9	N-Nitroso-di-methylamine	1.1	11		U
86-30-6	N-Nitrosodiphenylamine (1)	1.1	11		U
621-64-7	N-Nitroso-di-n-propylamine	0.89	11		U
10595-95-6	N-Nitrosomethylethylamine	4.4	11		U
59-89-2	N-Nitrosomorpholine	1.1	11		U
100-75-4	N-Nitrosopiperidine	1.1	11		U
930-55-2	N-Nitrosopyrrolidine	1.1	11		U
99-55-8	5-Nitro-o-toluidine	2.2	11		U
608-93-5	Pentachlorobenzene	4.4	11		U
82-68-8	Pentachloronitrobenzene	4.4	11		U
76-01-7	Pentachloroethane	4.4	11		U

(1) - Cannot be separated from Diphenylamine

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.
OLFS4-MW
01D2-001

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW003

Matrix: (soil/water) WATER Lab Sample ID: 0701033-02

Sample wt/vol: 900.0 (g/mL) ML Lab File ID: 0103302

% Moisture: _____ decanted: (Y/N)___ Date Sampled: 01/06/07 10:40

Extraction: (SepF/Cont/Sonc/Soxh) SEPF Date Extracted:01/11/07

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 01/12/07 14:23

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
87-86-5	Pentachlorophenol	1.1	28		U
62-44-2	Phenacetin	1.1	11		U
85-01-8	Phenanthrene	1.1	11		U
108-95-2	Phenol	1.1	11		U
106-50-3	p-Phenylenediamine	1.1	11		U
109-06-8	2-Picoline	7.8	11		U
23950-58-5	Pronamide	1.1	11		U
129-00-0	Pyrene	1.1	11		U
110-86-1	Pyridine	1.1	11		U
94-59-7	Safrole	1.1	11		U
95-94-3	1,2,4,5-Tetrachlorobenzene	3.3	11		U
58-90-2	2,3,4,6-Tetrachlorophenol	1.1	11		U
95-53-4	o-Toluidine	4.4	11		U
120-82-1	1,2,4-Trichlorobenzene	1.1	11		U
95-95-4	2,4,5-Trichlorophenol	1.1	28		U
88-06-2	2,4,6-Trichlorophenol	1.1	11		U
126-68-1	O,O,O-Triethylphosphorothioa	3.3	11		U
99-35-4	sym-Trinitrobenzene	3.3	11		U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW25S-001

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW003

Matrix: (soil/water) WATER Lab Sample ID: 0701033-03

Sample wt/vol: 960.0 (g/mL) ML Lab File ID: 0103303

% Moisture: _____ decanted: (Y/N)___ Date Sampled: 01/06/07 15:20

Extraction: (SepF/Cont/Sonc/Soxh) SEPF Date Extracted:01/11/07

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 01/12/07 14:58

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
83-32-9	Acenaphthene	1.0	10		U
208-96-8	Acenaphthylene	1.0	10		U
98-86-2	Acetophenone	1.0	10		U
53-96-3	2-Acetylaminofluorene	2.1	10		U
92-67-1	4-Aminobiphenyl	2.1	10		U
62-53-3	Aniline	1.0	10		U
140-57-8	Aramite	1.0	10		U
120-12-7	Anthracene	1.0	10		U
1912-24-9	Atrazine	1.0	5.2		U
100-52-7	Benzaldehyde	1.0	5.2		U
56-55-3	Benzo(a)anthracene	1.0	10		U
205-99-2	Benzo(b)fluoranthene	1.0	10		U
207-08-9	Benzo(k)fluoranthene	1.0	10		U
191-24-2	Benzo(g,h,i)perylene	1.0	10		U
50-32-8	Benzo(a)pyrene	1.0	10		U
100-51-6	Benzyl alcohol	1.0	10		U
92-52-4	1,1'-Biphenyl	1.0	5.2		U
111-91-1	bis(2-Chloroethoxy)methane	1.0	10		U
111-44-4	bis(2-Chloroethyl)ether	1.0	10		U
108-60-1	bis(2-Chloroisopropyl)ether	1.0	10		U
117-81-7	Bis(2-ethylhexyl)phthalate	1.0	10		U
101-55-3	4-Bromophenyl-phenylether	1.0	10		U
85-68-7	Butylbenzylphthalate	1.0	10		U
105-60-2	Caprolactam	1.0	5.2		U
86-74-8	Carbazole	1.0	10		U
106-47-8	4-Chloroaniline	1.0	10		U
510-15-6	Chlorobenzilate	1.0	10		U
59-50-7	4-Chloro-3-methylphenol	1.0	10		U
91-58-7	2-Chloronaphthalene	1.0	10		U
95-57-8	2-Chlorophenol	1.0	10		U
7005-72-3	4-Chlorophenyl-phenylether	1.0	10		U
218-01-9	Chrysene	1.0	10		U
2303-16-4	Diallate	1.0	10		U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW25S-001

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW003

Matrix: (soil/water) WATER Lab Sample ID: 0701033-03

Sample wt/vol: 960.0 (g/mL) ML Lab File ID: 0103303

% Moisture: _____ decanted: (Y/N)___ Date Sampled: 01/06/07 15:20

Extraction: (SepF/Cont/Sonc/Soxh) SEPF Date Extracted:01/11/07

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 01/12/07 14:58

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
53-70-3	Dibenz(a,h)anthracene	1.0	10		U
132-64-9	Dibenzofuran	1.0	10		U
91-94-1	3,3'-Dichlorobenzidine	1.0	10		U
120-83-2	2,4-Dichlorophenol	1.0	10		U
87-65-0	2,6-Dichlorophenol	1.0	10		U
84-66-2	Diethylphthalate	1.0	10		U
60-51-5	Dimethoate	4.2	10		U
60-11-7	p-(Dimethylamino)azobenzene	1.0	10		U
57-97-6	7,12-Dimethylbenz[a]anthrace	1.0	10		U
119-93-7	3,3'-Dimethylbenzidine	44	52		U
122-09-8	a,a-Dimethyl-phenethylamine	1.0	10		U
105-67-9	2,4-Dimethylphenol	1.0	10		U
131-11-3	Dimethylphthalate	1.0	10		U
84-74-2	Di-n-butylphthalate	1.0	10		U
99-65-0	m-Dinitrobenzene	3.1	10		U
534-52-1	4,6-Dinitro-2-methylphenol	1.0	26		U
51-28-5	2,4-Dinitrophenol	10	26		U
121-14-2	2,4-Dinitrotoluene	1.0	10		U
606-20-2	2,6-Dinitrotoluene	1.0	10		U
117-84-0	Di-n-octylphthalate	1.0	10		U
122-39-4	Diphenylamine	1.0	10		U
62-50-0	Ethyl methanesulfonate	1.0	10		U
206-44-0	Fluoranthene	1.0	10		U
86-73-7	Fluorene	1.0	10		U
118-74-1	Hexachlorobenzene	0.49	10		U
87-68-3	Hexachlorobutadiene	1.0	10		U
77-47-4	Hexachlorocyclopentadiene	1.0	10		U
67-72-1	Hexachloroethane	1.0	10		U
70-30-4	Hexachlorophene	26	130		U
1888-71-7	Hexachloropropene	4.2	10		U
193-39-5	Indeno(1,2,3-cd)pyrene	1.0	10		U
465-73-6	Isodrin	2.1	10		U
78-59-1	Isophorone	1.0	10		U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW25S-001

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW003

Matrix: (soil/water) WATER Lab Sample ID: 0701033-03

Sample wt/vol: 960.0 (g/mL) ML Lab File ID: 0103303

% Moisture: _____ decanted: (Y/N)___ Date Sampled: 01/06/07 15:20

Extraction: (SepF/Cont/Sonc/Soxh) SEPF Date Extracted:01/11/07

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 01/12/07 14:58

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
120-58-1	Isosafrole	1.0	10		U
143-50-0	Kepone	1.0	10		U
91-80-5	Methapyrilene	1.0	10		U
56-49-5	3-Methylcholanthrene	1.0	10		U
66-27-3	Methyl methanesulfonate	1.0	5.2		U
91-57-6	2-Methylnaphthalene	1.0	10		U
106-44-5	4-Methylphenol	1.0	10		U
108-39-4	3-Methylphenol	1.0	10		U
95-48-7	2-Methylphenol	1.0	10		U
91-20-3	Naphthalene	1.0	10		U
130-15-4	1,4-Naphthoquinone	1.0	10		U
134-32-7	1-Naphthylamine	1.0	10		U
91-59-8	2-Naphthylamine	1.0	10		U
88-74-4	2-Nitroaniline	1.0	26		U
99-09-2	3-Nitroaniline	1.0	26		U
100-01-6	4-Nitroaniline	1.0	26		U
98-95-3	Nitrobenzene	1.0	10		U
88-75-5	2-Nitrophenol	1.0	10		U
100-02-7	4-Nitrophenol	5.2	26		U
56-57-5	4-Nitroquinoline-1-oxide	1.0	10		U
924-16-3	N-Nitrosodi-n-butylamine	1.0	10		U
55-18-5	N-Nitrosodiethylamine	1.0	10		U
62-75-9	N-Nitroso-di-methylamine	1.0	10		U
86-30-6	N-Nitrosodiphenylamine (1)	1.0	10		U
621-64-7	N-Nitroso-di-n-propylamine	0.83	10		U
10595-95-6	N-Nitrosomethylethylamine	4.2	10		U
59-89-2	N-Nitrosomorpholine	1.0	10		U
100-75-4	N-Nitrosopiperidine	1.0	10		U
930-55-2	N-Nitrosopyrrolidine	1.0	10		U
99-55-8	5-Nitro-o-toluidine	2.1	10		U
608-93-5	Pentachlorobenzene	4.2	10		U
82-68-8	Pentachloronitrobenzene	4.2	10		U
76-01-7	Pentachloroethane	4.2	10		U

(1) - Cannot be separated from Diphenylamine

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW25S-001

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW003

Matrix: (soil/water) WATER Lab Sample ID: 0701033-03

Sample wt/vol: 960.0 (g/mL) ML Lab File ID: 0103303

% Moisture: _____ decanted: (Y/N)___ Date Sampled: 01/06/07 15:20

Extraction: (SepF/Cont/Sonc/Soxh) SEPF Date Extracted:01/11/07

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 01/12/07 14:58

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
87-86-5	Pentachlorophenol	1.0	26		U
62-44-2	Phenacetin	1.0	10		U
85-01-8	Phenanthrene	1.0	10		U
108-95-2	Phenol	1.0	10		U
106-50-3	p-Phenylenediamine	1.0	10		U
109-06-8	2-Picoline	7.3	10		U
23950-58-5	Pronamide	1.0	10		U
129-00-0	Pyrene	1.0	10		U
110-86-1	Pyridine	1.0	10		U
94-59-7	Safrole	1.0	10		U
95-94-3	1,2,4,5-Tetrachlorobenzene	3.1	10		U
58-90-2	2,3,4,6-Tetrachlorophenol	1.0	10		U
95-53-4	o-Toluidine	4.2	10		U
120-82-1	1,2,4-Trichlorobenzene	1.0	10		U
95-95-4	2,4,5-Trichlorophenol	1.0	26		U
88-06-2	2,4,6-Trichlorophenol	1.0	10		U
126-68-1	O,O,O-Triethylphosphorothioa	3.1	10		U
99-35-4	sym-Trinitrobenzene	3.1	10		U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW09S-001

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW003

Matrix: (soil/water) WATER Lab Sample ID: 0701033-04

Sample wt/vol: 875.0 (g/mL) ML Lab File ID: 0103304

% Moisture: _____ decanted: (Y/N)___ Date Sampled: 01/06/07 14:30

Extraction: (SepF/Cont/Sonc/Soxh) SEPF Date Extracted:01/11/07

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 01/12/07 15:33

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
83-32-9	Acenaphthene	1.1	11		U
208-96-8	Acenaphthylene	1.1	11		U
98-86-2	Acetophenone	1.1	11		U
53-96-3	2-Acetylaminofluorene	2.3	11		U
92-67-1	4-Aminobiphenyl	2.3	11		U
62-53-3	Aniline	1.1	11		U
140-57-8	Aramite	1.1	11		U
120-12-7	Anthracene	1.1	11		U
1912-24-9	Atrazine	1.1	5.7		U
100-52-7	Benzaldehyde	1.1	5.7		U
56-55-3	Benzo(a)anthracene	1.1	11		U
205-99-2	Benzo(b)fluoranthene	1.1	11		U
207-08-9	Benzo(k)fluoranthene	1.1	11		U
191-24-2	Benzo(g,h,i)perylene	1.1	11		U
50-32-8	Benzo(a)pyrene	1.1	11		U
100-51-6	Benzyl alcohol	1.1	11		U
92-52-4	1,1'-Biphenyl	1.1	5.7		U
111-91-1	bis(2-Chloroethoxy)methane	1.1	11		U
111-44-4	bis(2-Chloroethyl)ether	1.1	11		U
108-60-1	bis(2-Chloroisopropyl)ether	1.1	11		U
117-81-7	Bis(2-ethylhexyl)phthalate	1.1	11		U
101-55-3	4-Bromophenyl-phenylether	1.1	11		U
85-68-7	Butylbenzylphthalate	1.1	11		U
105-60-2	Caprolactam	1.1	5.7		U
86-74-8	Carbazole	1.1	11		U
106-47-8	4-Chloroaniline	1.1	11		U
510-15-6	Chlorobenzilate	1.1	11		U
59-50-7	4-Chloro-3-methylphenol	1.1	11		U
91-58-7	2-Chloronaphthalene	1.1	11		U
95-57-8	2-Chlorophenol	1.1	11		U
7005-72-3	4-Chlorophenyl-phenylether	1.1	11		U
218-01-9	Chrysene	1.1	11		U
2303-16-4	Diallate	1.1	11		U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW09S-001

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW003

Matrix: (soil/water) WATER Lab Sample ID: 0701033-04

Sample wt/vol: 875.0 (g/mL) ML Lab File ID: 0103304

% Moisture: _____ decanted: (Y/N)___ Date Sampled: 01/06/07 14:30

Extraction: (SepF/Cont/Sonc/Soxh) SEPF Date Extracted:01/11/07

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 01/12/07 15:33

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
53-70-3	Dibenz(a,h)anthracene	1.1	11		U
132-64-9	Dibenzofuran	1.1	11		U
91-94-1	3,3'-Dichlorobenzidine	1.1	11		U
120-83-2	2,4-Dichlorophenol	1.1	11		U
87-65-0	2,6-Dichlorophenol	1.1	11		U
84-66-2	Diethylphthalate	1.1	11		U
60-51-5	Dimethoate	4.6	11		U
60-11-7	p-(Dimethylamino)azobenzene	1.1	11		U
57-97-6	7,12-Dimethylbenz[a]anthrace	1.1	11		U
119-93-7	3,3'-Dimethylbenzidine	48	57		U
122-09-8	a,a-Dimethyl-phenethylamine	1.1	11		U
105-67-9	2,4-Dimethylphenol	1.1	11		U
131-11-3	Dimethylphthalate	1.1	11		U
84-74-2	Di-n-butylphthalate	1.1	11		U
99-65-0	m-Dinitrobenzene	3.4	11		U
534-52-1	4,6-Dinitro-2-methylphenol	1.1	28		U
51-28-5	2,4-Dinitrophenol	11	28		U
121-14-2	2,4-Dinitrotoluene	1.1	11		U
606-20-2	2,6-Dinitrotoluene	1.1	11		U
117-84-0	Di-n-octylphthalate	1.1	11		U
122-39-4	Diphenylamine	1.1	11		U
62-50-0	Ethyl methanesulfonate	1.1	11		U
206-44-0	Fluoranthene	1.1	11		U
86-73-7	Fluorene	1.1	11		U
118-74-1	Hexachlorobenzene	0.54	11		U
87-68-3	Hexachlorobutadiene	1.1	11		U
77-47-4	Hexachlorocyclopentadiene	1.1	11		U
67-72-1	Hexachloroethane	1.1	11		U
70-30-4	Hexachlorophene	28	140		U
1888-71-7	Hexachloropropene	4.6	11		U
193-39-5	Indeno(1,2,3-cd)pyrene	1.1	11		U
465-73-6	Isodrin	2.3	11		U
78-59-1	Isophorone	1.1	11		U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW09S-001

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW003

Matrix: (soil/water) WATER Lab Sample ID: 0701033-04

Sample wt/vol: 875.0 (g/mL) ML Lab File ID: 0103304

% Moisture: _____ decanted: (Y/N)___ Date Sampled: 01/06/07 14:30

Extraction: (SepF/Cont/Sonc/Soxh) SEPF Date Extracted:01/11/07

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 01/12/07 15:33

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
120-58-1	Isosafrole	1.1	11		U
143-50-0	Kepone	1.1	11		U
91-80-5	Methapyrilene	1.1	11		U
56-49-5	3-Methylcholanthrene	1.1	11		U
66-27-3	Methyl methanesulfonate	1.1	5.7		U
91-57-6	2-Methylnaphthalene	1.1	11		U
106-44-5	4-Methylphenol	1.1	11		U
108-39-4	3-Methylphenol	1.1	11		U
95-48-7	2-Methylphenol	1.1	11		U
91-20-3	Naphthalene	1.1	11		U
130-15-4	1,4-Naphthoquinone	1.1	11		U
134-32-7	1-Naphthylamine	1.1	11		U
91-59-8	2-Naphthylamine	1.1	11		U
88-74-4	2-Nitroaniline	1.1	28		U
99-09-2	3-Nitroaniline	1.1	28		U
100-01-6	4-Nitroaniline	1.1	28		U
98-95-3	Nitrobenzene	1.1	11		U
88-75-5	2-Nitrophenol	1.1	11		U
100-02-7	4-Nitrophenol	5.7	28		U
56-57-5	4-Nitroquinoline-1-oxide	1.1	11		U
924-16-3	N-Nitrosodi-n-butylamine	1.1	11		U
55-18-5	N-Nitrosodiethylamine	1.1	11		U
62-75-9	N-Nitroso-di-methylamine	1.1	11		U
86-30-6	N-Nitrosodiphenylamine (1)	1.1	11		U
621-64-7	N-Nitroso-di-n-propylamine	0.91	11		U
10595-95-6	N-Nitrosomethylethylamine	4.6	11		U
59-89-2	N-Nitrosomorpholine	1.1	11		U
100-75-4	N-Nitrosopiperidine	1.1	11		U
930-55-2	N-Nitrosopyrrolidine	1.1	11		U
99-55-8	5-Nitro-o-toluidine	2.3	11		U
608-93-5	Pentachlorobenzene	4.6	11		U
82-68-8	Pentachloronitrobenzene	4.6	11		U
76-01-7	Pentachloroethane	4.6	11		U

(1) - Cannot be separated from Diphenylamine

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW09S-001

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW003

Matrix: (soil/water) WATER Lab Sample ID: 0701033-04

Sample wt/vol: 875.0 (g/mL) ML Lab File ID: 0103304

% Moisture: _____ decanted: (Y/N)___ Date Sampled: 01/06/07 14:30

Extraction: (SepF/Cont/Sonc/Soxh) SEPF Date Extracted:01/11/07

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 01/12/07 15:33

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
87-86-5	Pentachlorophenol	1.1	28		U
62-44-2	Phenacetin	1.1	11		U
85-01-8	Phenanthrene	1.1	11		U
108-95-2	Phenol	1.1	11		U
106-50-3	p-Phenylenediamine	1.1	11		U
109-06-8	2-Picoline	8.0	11		U
23950-58-5	Pronamide	1.1	11		U
129-00-0	Pyrene	1.1	11		U
110-86-1	Pyridine	1.1	11		U
94-59-7	Safrole	1.1	11		U
95-94-3	1,2,4,5-Tetrachlorobenzene	3.4	11		U
58-90-2	2,3,4,6-Tetrachlorophenol	1.1	11		U
95-53-4	o-Toluidine	4.6	11		U
120-82-1	1,2,4-Trichlorobenzene	1.1	11		U
95-95-4	2,4,5-Trichlorophenol	1.1	28		U
88-06-2	2,4,6-Trichlorophenol	1.1	11		U
126-68-1	O,O,O-Triethylphosphorothioa	3.4	11		U
99-35-4	sym-Trinitrobenzene	3.4	11		U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW24S-001

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW003

Matrix: (soil/water) WATER Lab Sample ID: 0701033-05

Sample wt/vol: 800.0 (g/mL) ML Lab File ID: 0103305

% Moisture: _____ decanted: (Y/N)___ Date Sampled: 01/06/07 17:25

Extraction: (SepF/Cont/Sonc/Soxh) SEPF Date Extracted:01/11/07

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 01/12/07 16:08

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
83-32-9	Acenaphthene	1.2	12		U
208-96-8	Acenaphthylene	1.2	12		U
98-86-2	Acetophenone	1.2	12		U
53-96-3	2-Acetylaminofluorene	2.5	12		U
92-67-1	4-Aminobiphenyl	2.5	12		U
62-53-3	Aniline	1.2	12		U
140-57-8	Aramite	1.2	12		U
120-12-7	Anthracene	1.2	12		U
1912-24-9	Atrazine	1.2	6.2		U
100-52-7	Benzaldehyde	1.2	6.2		U
56-55-3	Benzo(a)anthracene	1.2	12		U
205-99-2	Benzo(b)fluoranthene	1.2	12		U
207-08-9	Benzo(k)fluoranthene	1.2	12		U
191-24-2	Benzo(g,h,i)perylene	1.2	12		U
50-32-8	Benzo(a)pyrene	1.2	12		U
100-51-6	Benzyl alcohol	1.2	12		U
92-52-4	1,1'-Biphenyl	1.2	6.2		U
111-91-1	bis(2-Chloroethoxy)methane	1.2	12		U
111-44-4	bis(2-Chloroethyl)ether	1.2	12		U
108-60-1	bis(2-Chloroisopropyl)ether	1.2	12		U
117-81-7	Bis(2-ethylhexyl)phthalate	1.2	12		U
101-55-3	4-Bromophenyl-phenylether	1.2	12		U
85-68-7	Butylbenzylphthalate	1.2	12		U
105-60-2	Caprolactam	1.2	6.2		U
86-74-8	Carbazole	1.2	12		U
106-47-8	4-Chloroaniline	1.2	12		U
510-15-6	Chlorobenzilate	1.2	12		U
59-50-7	4-Chloro-3-methylphenol	1.2	12		U
91-58-7	2-Chloronaphthalene	1.2	12		U
95-57-8	2-Chlorophenol	1.2	12		U
7005-72-3	4-Chlorophenyl-phenylether	1.2	12		U
218-01-9	Chrysene	1.2	12		U
2303-16-4	Diallate	1.2	12		U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW24S-001

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW003

Matrix: (soil/water) WATER Lab Sample ID: 0701033-05

Sample wt/vol: 800.0 (g/mL) ML Lab File ID: 0103305

% Moisture: _____ decanted: (Y/N)___ Date Sampled: 01/06/07 17:25

Extraction: (SepF/Cont/Sonc/Soxh) SEPF Date Extracted:01/11/07

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 01/12/07 16:08

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
53-70-3	Dibenz(a,h)anthracene	1.2	12		U
132-64-9	Dibenzofuran	1.2	12		U
91-94-1	3,3'-Dichlorobenzidine	1.2	12		U
120-83-2	2,4-Dichlorophenol	1.2	12		U
87-65-0	2,6-Dichlorophenol	1.2	12		U
84-66-2	Diethylphthalate	1.2	12		U
60-51-5	Dimethoate	5.0	12		U
60-11-7	p-(Dimethylamino)azobenzene	1.2	12		U
57-97-6	7,12-Dimethylbenz[a]anthrace	1.2	12		U
119-93-7	3,3'-Dimethylbenzidine	52	62		U
122-09-8	a,a-Dimethyl-phenethylamine	1.2	12		U
105-67-9	2,4-Dimethylphenol	1.2	12		U
131-11-3	Dimethylphthalate	1.2	12		U
84-74-2	Di-n-butylphthalate	1.2	12		U
99-65-0	m-Dinitrobenzene	3.8	12		U
534-52-1	4,6-Dinitro-2-methylphenol	1.2	31		U
51-28-5	2,4-Dinitrophenol	12	31		U
121-14-2	2,4-Dinitrotoluene	1.2	12		U
606-20-2	2,6-Dinitrotoluene	1.2	12		U
117-84-0	Di-n-octylphthalate	1.2	12		U
122-39-4	Diphenylamine	1.2	12		U
62-50-0	Ethyl methanesulfonate	1.2	12		U
206-44-0	Fluoranthene	1.2	12		U
86-73-7	Fluorene	1.2	12		U
118-74-1	Hexachlorobenzene	0.59	12		U
87-68-3	Hexachlorobutadiene	1.2	12		U
77-47-4	Hexachlorocyclopentadiene	1.2	12		U
67-72-1	Hexachloroethane	1.2	12		U
70-30-4	Hexachlorophene	31	160		U
1888-71-7	Hexachloropropene	5.0	12		U
193-39-5	Indeno(1,2,3-cd)pyrene	1.2	12		U
465-73-6	Isodrin	2.5	12		U
78-59-1	Isophorone	1.2	12		U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW24S-001

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW003

Matrix: (soil/water) WATER Lab Sample ID: 0701033-05

Sample wt/vol: 800.0 (g/mL) ML Lab File ID: 0103305

% Moisture: _____ decanted: (Y/N)___ Date Sampled: 01/06/07 17:25

Extraction: (SepF/Cont/Sonc/Soxh) SEPF Date Extracted:01/11/07

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 01/12/07 16:08

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
120-58-1	Isosafrole	1.2	12		U
143-50-0	Kepone	1.2	12		U
91-80-5	Methapyrilene	1.2	12		U
56-49-5	3-Methylcholanthrene	1.2	12		U
66-27-3	Methyl methanesulfonate	1.2	6.2		U
91-57-6	2-Methylnaphthalene	1.2	12		U
106-44-5	4-Methylphenol	1.2	12		U
108-39-4	3-Methylphenol	1.2	12		U
95-48-7	2-Methylphenol	1.2	12		U
91-20-3	Naphthalene	1.2	12		U
130-15-4	1,4-Naphthoquinone	1.2	12		U
134-32-7	1-Naphthylamine	1.2	12		U
91-59-8	2-Naphthylamine	1.2	12		U
88-74-4	2-Nitroaniline	1.2	31		U
99-09-2	3-Nitroaniline	1.2	31		U
100-01-6	4-Nitroaniline	1.2	31		U
98-95-3	Nitrobenzene	1.2	12		U
88-75-5	2-Nitrophenol	1.2	12		U
100-02-7	4-Nitrophenol	6.2	31		U
56-57-5	4-Nitroquinoline-1-oxide	1.2	12		U
924-16-3	N-Nitrosodi-n-butylamine	1.2	12		U
55-18-5	N-Nitrosodiethylamine	1.2	12		U
62-75-9	N-Nitroso-di-methylamine	1.2	12		U
86-30-6	N-Nitrosodiphenylamine (1)	1.2	12		U
621-64-7	N-Nitroso-di-n-propylamine	1.0	12		U
10595-95-6	N-Nitrosomethylethylamine	5.0	12		U
59-89-2	N-Nitrosomorpholine	1.2	12		U
100-75-4	N-Nitrosopiperidine	1.2	12		U
930-55-2	N-Nitrosopyrrolidine	1.2	12		U
99-55-8	5-Nitro-o-toluidine	2.5	12		U
608-93-5	Pentachlorobenzene	5.0	12		U
82-68-8	Pentachloronitrobenzene	5.0	12		U
76-01-7	Pentachloroethane	5.0	12		U

(1) - Cannot be separated from Diphenylamine

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW24S-001

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW003

Matrix: (soil/water) WATER Lab Sample ID: 0701033-05

Sample wt/vol: 800.0 (g/mL) ML Lab File ID: 0103305

% Moisture: _____ decanted: (Y/N)___ Date Sampled: 01/06/07 17:25

Extraction: (SepF/Cont/Sonc/Soxh) SEPF Date Extracted:01/11/07

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 01/12/07 16:08

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
87-86-5	Pentachlorophenol	1.2	31		U
62-44-2	Phenacetin	1.2	12		U
85-01-8	Phenanthrene	1.2	12		U
108-95-2	Phenol	1.2	12		U
106-50-3	p-Phenylenediamine	1.2	12		U
109-06-8	2-Picoline	8.8	12		U
23950-58-5	Pronamide	1.2	12		U
129-00-0	Pyrene	1.2	12		U
110-86-1	Pyridine	1.2	12		U
94-59-7	Safrole	1.2	12		U
95-94-3	1,2,4,5-Tetrachlorobenzene	3.8	12		U
58-90-2	2,3,4,6-Tetrachlorophenol	1.2	12		U
95-53-4	o-Toluidine	5.0	12		U
120-82-1	1,2,4-Trichlorobenzene	1.2	12		U
95-95-4	2,4,5-Trichlorophenol	1.2	31		U
88-06-2	2,4,6-Trichlorophenol	1.2	12		U
126-68-1	O,O,O-Triethylphosphorothioa	3.8	12		U
99-35-4	sym-Trinitrobenzene	3.8	12		U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW27S-001

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW003

Matrix: (soil/water) WATER Lab Sample ID: 0701033-06

Sample wt/vol: 940.0 (g/mL) ML Lab File ID: 0103306

% Moisture: _____ decanted: (Y/N)___ Date Sampled: 01/07/07 11:00

Extraction: (SepF/Cont/Sonc/Soxh) SEPF Date Extracted:01/11/07

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 01/12/07 16:43

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
83-32-9	Acenaphthene	1.1	11		U
208-96-8	Acenaphthylene	1.1	11		U
98-86-2	Acetophenone	1.1	11		U
53-96-3	2-Acetylaminofluorene	2.1	11		U
92-67-1	4-Aminobiphenyl	2.1	11		U
62-53-3	Aniline	1.1	11		U
140-57-8	Aramite	1.1	11		U
120-12-7	Anthracene	1.1	11		U
1912-24-9	Atrazine	1.1	5.3		U
100-52-7	Benzaldehyde	1.1	5.3		U
56-55-3	Benzo(a)anthracene	1.1	11		U
205-99-2	Benzo(b)fluoranthene	1.1	11		U
207-08-9	Benzo(k)fluoranthene	1.1	11		U
191-24-2	Benzo(g,h,i)perylene	1.1	11		U
50-32-8	Benzo(a)pyrene	1.1	11		U
100-51-6	Benzyl alcohol	1.1	11		U
92-52-4	1,1'-Biphenyl	1.1	5.3		U
111-91-1	bis(2-Chloroethoxy)methane	1.1	11		U
111-44-4	bis(2-Chloroethyl)ether	1.1	11		U
108-60-1	bis(2-Chloroisopropyl)ether	1.1	11		U
117-81-7	Bis(2-ethylhexyl)phthalate	1.1	11		U
101-55-3	4-Bromophenyl-phenylether	1.1	11		U
85-68-7	Butylbenzylphthalate	1.1	11		U
105-60-2	Caprolactam	1.1	5.3		U
86-74-8	Carbazole	1.1	11		U
106-47-8	4-Chloroaniline	1.1	11		U
510-15-6	Chlorobenzilate	1.1	11		U
59-50-7	4-Chloro-3-methylphenol	1.1	11		U
91-58-7	2-Chloronaphthalene	1.1	11		U
95-57-8	2-Chlorophenol	1.1	11		U
7005-72-3	4-Chlorophenyl-phenylether	1.1	11		U
218-01-9	Chrysene	1.1	11		U
2303-16-4	Diallate	1.1	11		U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW27S-001

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW003

Matrix: (soil/water) WATER Lab Sample ID: 0701033-06

Sample wt/vol: 940.0 (g/mL) ML Lab File ID: 0103306

% Moisture: _____ decanted: (Y/N)___ Date Sampled: 01/07/07 11:00

Extraction: (SepF/Cont/Sonc/Soxh) SEPF Date Extracted:01/11/07

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 01/12/07 16:43

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
53-70-3	Dibenz(a,h)anthracene	1.1	11		U
132-64-9	Dibenzofuran	1.1	11		U
91-94-1	3,3'-Dichlorobenzidine	1.1	11		U
120-83-2	2,4-Dichlorophenol	1.1	11		U
87-65-0	2,6-Dichlorophenol	1.1	11		U
84-66-2	Diethylphthalate	1.1	11		U
60-51-5	Dimethoate	4.2	11		U
60-11-7	p-(Dimethylamino)azobenzene	1.1	11		U
57-97-6	7,12-Dimethylbenz[a]anthrace	1.1	11		U
119-93-7	3,3'-Dimethylbenzidine	45	53		U
122-09-8	a,a-Dimethyl-phenethylamine	1.1	11		U
105-67-9	2,4-Dimethylphenol	1.1	11		U
131-11-3	Dimethylphthalate	1.1	11		U
84-74-2	Di-n-butylphthalate	1.1	11		U
99-65-0	m-Dinitrobenzene	3.2	11		U
534-52-1	4,6-Dinitro-2-methylphenol	1.1	26		U
51-28-5	2,4-Dinitrophenol	11	26		U
121-14-2	2,4-Dinitrotoluene	1.1	11		U
606-20-2	2,6-Dinitrotoluene	1.1	11		U
117-84-0	Di-n-octylphthalate	1.1	11		U
122-39-4	Diphenylamine	1.1	11		U
62-50-0	Ethyl methanesulfonate	1.1	11		U
206-44-0	Fluoranthene	1.1	11		U
86-73-7	Fluorene	1.1	11		U
118-74-1	Hexachlorobenzene	0.50	11		U
87-68-3	Hexachlorobutadiene	1.1	11		U
77-47-4	Hexachlorocyclopentadiene	1.1	11		U
67-72-1	Hexachloroethane	1.1	11		U
70-30-4	Hexachlorophene	26	130		U
1888-71-7	Hexachloropropene	4.2	11		U
193-39-5	Indeno(1,2,3-cd)pyrene	1.1	11		U
465-73-6	Isodrin	2.1	11		U
78-59-1	Isophorone	1.1	11		U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW27S-001

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW003

Matrix: (soil/water) WATER Lab Sample ID: 0701033-06

Sample wt/vol: 940.0 (g/mL) ML Lab File ID: 0103306

% Moisture: _____ decanted: (Y/N)___ Date Sampled: 01/07/07 11:00

Extraction: (SepF/Cont/Sonc/Soxh) SEPF Date Extracted:01/11/07

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 01/12/07 16:43

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
120-58-1	Isosafrole	1.1	11		U
143-50-0	Kepone	1.1	11		U
91-80-5	Methapyrilene	1.1	11		U
56-49-5	3-Methylcholanthrene	1.1	11		U
66-27-3	Methyl methanesulfonate	1.1	5.3		U
91-57-6	2-Methylnaphthalene	1.1	11		U
106-44-5	4-Methylphenol	1.1	11		U
108-39-4	3-Methylphenol	1.1	11		U
95-48-7	2-Methylphenol	1.1	11		U
91-20-3	Naphthalene	1.1	11		U
130-15-4	1,4-Naphthoquinone	1.1	11		U
134-32-7	1-Naphthylamine	1.1	11		U
91-59-8	2-Naphthylamine	1.1	11		U
88-74-4	2-Nitroaniline	1.1	26		U
99-09-2	3-Nitroaniline	1.1	26		U
100-01-6	4-Nitroaniline	1.1	26		U
98-95-3	Nitrobenzene	1.1	11		U
88-75-5	2-Nitrophenol	1.1	11		U
100-02-7	4-Nitrophenol	5.3	26		U
56-57-5	4-Nitroquinoline-1-oxide	1.1	11		U
924-16-3	N-Nitrosodi-n-butylamine	1.1	11		U
55-18-5	N-Nitrosodiethylamine	1.1	11		U
62-75-9	N-Nitroso-di-methylamine	1.1	11		U
86-30-6	N-Nitrosodiphenylamine (1)	1.1	11		U
621-64-7	N-Nitroso-di-n-propylamine	0.85	11		U
10595-95-6	N-Nitrosomethylethylamine	4.2	11		U
59-89-2	N-Nitrosomorpholine	1.1	11		U
100-75-4	N-Nitrosopiperidine	1.1	11		U
930-55-2	N-Nitrosopyrrolidine	1.1	11		U
99-55-8	5-Nitro-o-toluidine	2.1	11		U
608-93-5	Pentachlorobenzene	4.2	11		U
82-68-8	Pentachloronitrobenzene	4.2	11		U
76-01-7	Pentachloroethane	4.2	11		U

(1) - Cannot be separated from Diphenylamine

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW27S-001

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW003

Matrix: (soil/water) WATER Lab Sample ID: 0701033-06

Sample wt/vol: 940.0 (g/mL) ML Lab File ID: 0103306

% Moisture: _____ decanted: (Y/N)___ Date Sampled: 01/07/07 11:00

Extraction: (SepF/Cont/Sonc/Soxh) SEPF Date Extracted:01/11/07

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 01/12/07 16:43

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
87-86-5	Pentachlorophenol	1.1	26		U
62-44-2	Phenacetin	1.1	11		U
85-01-8	Phenanthrene	1.1	11		U
108-95-2	Phenol	1.1	11		U
106-50-3	p-Phenylenediamine	1.1	11		U
109-06-8	2-Picoline	7.4	11		U
23950-58-5	Pronamide	1.1	11		U
129-00-0	Pyrene	1.1	11		U
110-86-1	Pyridine	1.1	11		U
94-59-7	Safrole	1.1	11		U
95-94-3	1,2,4,5-Tetrachlorobenzene	3.2	11		U
58-90-2	2,3,4,6-Tetrachlorophenol	1.1	11		U
95-53-4	o-Toluidine	4.2	11		U
120-82-1	1,2,4-Trichlorobenzene	1.1	11		U
95-95-4	2,4,5-Trichlorophenol	1.1	26		U
88-06-2	2,4,6-Trichlorophenol	1.1	11		U
126-68-1	O,O,O-Triethylphosphorothioa	3.2	11		U
99-35-4	sym-Trinitrobenzene	3.2	11		U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW21S-001

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW003

Matrix: (soil/water) WATER Lab Sample ID: 0701033-07

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 0103307

% Moisture: _____ decanted: (Y/N)___ Date Sampled: 01/07/07 11:00

Extraction: (SepF/Cont/Sonc/Soxh) SEPF Date Extracted:01/11/07

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 01/12/07 17:18

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
83-32-9	Acenaphthene	1.0	10		U
208-96-8	Acenaphthylene	1.0	10		U
98-86-2	Acetophenone	1.0	10		U
53-96-3	2-Acetylaminofluorene	2.0	10		U
92-67-1	4-Aminobiphenyl	2.0	10		U
62-53-3	Aniline	1.0	10		U
140-57-8	Aramite	1.0	10		U
120-12-7	Anthracene	1.0	10		U
1912-24-9	Atrazine	1.0	5.0		U
100-52-7	Benzaldehyde	1.0	5.0		U
56-55-3	Benzo(a)anthracene	1.0	10		U
205-99-2	Benzo(b)fluoranthene	1.0	10		U
207-08-9	Benzo(k)fluoranthene	1.0	10		U
191-24-2	Benzo(g,h,i)perylene	1.0	10		U
50-32-8	Benzo(a)pyrene	1.0	10		U
100-51-6	Benzyl alcohol	1.0	10		U
92-52-4	1,1'-Biphenyl	1.0	5.0		U
111-91-1	bis(2-Chloroethoxy)methane	1.0	10		U
111-44-4	bis(2-Chloroethyl)ether	1.0	10		U
108-60-1	bis(2-Chloroisopropyl)ether	1.0	10		U
117-81-7	Bis(2-ethylhexyl)phthalate	1.0	10		U
101-55-3	4-Bromophenyl-phenylether	1.0	10		U
85-68-7	Butylbenzylphthalate	1.0	10		U
105-60-2	Caprolactam	1.0	5.0		U
86-74-8	Carbazole	1.0	10		U
106-47-8	4-Chloroaniline	1.0	10		U
510-15-6	Chlorobenzilate	1.0	10		U
59-50-7	4-Chloro-3-methylphenol	1.0	10		U
91-58-7	2-Chloronaphthalene	1.0	10		U
95-57-8	2-Chlorophenol	1.0	10		U
7005-72-3	4-Chlorophenyl-phenylether	1.0	10		U
218-01-9	Chrysene	1.0	10		U
2303-16-4	Diallate	1.0	10		U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW21S-001

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW003

Matrix: (soil/water) WATER Lab Sample ID: 0701033-07

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 0103307

% Moisture: _____ decanted: (Y/N)___ Date Sampled: 01/07/07 11:00

Extraction: (SepF/Cont/Sonc/Soxh) SEPF Date Extracted:01/11/07

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 01/12/07 17:18

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
53-70-3	Dibenz(a,h)anthracene	1.0	10		U
132-64-9	Dibenzofuran	1.0	10		U
91-94-1	3,3'-Dichlorobenzidine	1.0	10		U
120-83-2	2,4-Dichlorophenol	1.0	10		U
87-65-0	2,6-Dichlorophenol	1.0	10		U
84-66-2	Diethylphthalate	1.0	10		U
60-51-5	Dimethoate	4.0	10		U
60-11-7	p-(Dimethylamino)azobenzene	1.0	10		U
57-97-6	7,12-Dimethylbenz[a]anthrace	1.0	10		U
119-93-7	3,3'-Dimethylbenzidine	42	50		U
122-09-8	a,a-Dimethyl-phenethylamine	1.0	10		U
105-67-9	2,4-Dimethylphenol	1.0	10		U
131-11-3	Dimethylphthalate	1.0	10		U
84-74-2	Di-n-butylphthalate	1.0	10		U
99-65-0	m-Dinitrobenzene	3.0	10		U
534-52-1	4,6-Dinitro-2-methylphenol	1.0	25		U
51-28-5	2,4-Dinitrophenol	10	25		U
121-14-2	2,4-Dinitrotoluene	1.0	10		U
606-20-2	2,6-Dinitrotoluene	1.0	10		U
117-84-0	Di-n-octylphthalate	1.0	10		U
122-39-4	Diphenylamine	1.0	10		U
62-50-0	Ethyl methanesulfonate	1.0	10		U
206-44-0	Fluoranthene	1.0	10		U
86-73-7	Fluorene	1.0	10		U
118-74-1	Hexachlorobenzene	0.47	10		U
87-68-3	Hexachlorobutadiene	1.0	10		U
77-47-4	Hexachlorocyclopentadiene	1.0	10		U
67-72-1	Hexachloroethane	1.0	10		U
70-30-4	Hexachlorophene	25	120		U
1888-71-7	Hexachloropropene	4.0	10		U
193-39-5	Indeno(1,2,3-cd)pyrene	1.0	10		U
465-73-6	Isodrin	2.0	10		U
78-59-1	Isophorone	1.0	10		U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW21S-001

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW003

Matrix: (soil/water) WATER Lab Sample ID: 0701033-07

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 0103307

% Moisture: _____ decanted: (Y/N)___ Date Sampled: 01/07/07 11:00

Extraction: (SepF/Cont/Sonc/Soxh) SEPF Date Extracted:01/11/07

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 01/12/07 17:18

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
120-58-1	Isosafrole	1.0	10		U
143-50-0	Kepone	1.0	10		U
91-80-5	Methapyrilene	1.0	10		U
56-49-5	3-Methylcholanthrene	1.0	10		U
66-27-3	Methyl methanesulfonate	1.0	5.0		U
91-57-6	2-Methylnaphthalene	1.0	10		U
106-44-5	4-Methylphenol	1.0	10		U
108-39-4	3-Methylphenol	1.0	10		U
95-48-7	2-Methylphenol	1.0	10		U
91-20-3	Naphthalene	1.0	10		U
130-15-4	1,4-Naphthoquinone	1.0	10		U
134-32-7	1-Naphthylamine	1.0	10		U
91-59-8	2-Naphthylamine	1.0	10		U
88-74-4	2-Nitroaniline	1.0	25		U
99-09-2	3-Nitroaniline	1.0	25		U
100-01-6	4-Nitroaniline	1.0	25		U
98-95-3	Nitrobenzene	1.0	10		U
88-75-5	2-Nitrophenol	1.0	10		U
100-02-7	4-Nitrophenol	5.0	25		U
56-57-5	4-Nitroquinoline-1-oxide	1.0	10		U
924-16-3	N-Nitrosodi-n-butylamine	1.0	10		U
55-18-5	N-Nitrosodiethylamine	1.0	10		U
62-75-9	N-Nitroso-di-methylamine	1.0	10		U
86-30-6	N-Nitrosodiphenylamine (1)	1.0	10		U
621-64-7	N-Nitroso-di-n-propylamine	0.80	10		U
10595-95-6	N-Nitrosomethylethylamine	4.0	10		U
59-89-2	N-Nitrosomorpholine	1.0	10		U
100-75-4	N-Nitrosopiperidine	1.0	10		U
930-55-2	N-Nitrosopyrrolidine	1.0	10		U
99-55-8	5-Nitro-o-toluidine	2.0	10		U
608-93-5	Pentachlorobenzene	4.0	10		U
82-68-8	Pentachloronitrobenzene	4.0	10		U
76-01-7	Pentachloroethane	4.0	10		U

(1) - Cannot be separated from Diphenylamine

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW21S-001

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW003

Matrix: (soil/water) WATER Lab Sample ID: 0701033-07

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 0103307

% Moisture: _____ decanted: (Y/N)___ Date Sampled: 01/07/07 11:00

Extraction: (SepF/Cont/Sonc/Soxh) SEPF Date Extracted:01/11/07

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 01/12/07 17:18

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
87-86-5	Pentachlorophenol	1.0	25		U
62-44-2	Phenacetin	1.0	10		U
85-01-8	Phenanthrene	1.0	10		U
108-95-2	Phenol	1.0	10		U
106-50-3	p-Phenylenediamine	1.0	10		U
109-06-8	2-Picoline	7.0	10		U
23950-58-5	Pronamide	1.0	10		U
129-00-0	Pyrene	1.0	10		U
110-86-1	Pyridine	1.0	10		U
94-59-7	Safrole	1.0	10		U
95-94-3	1,2,4,5-Tetrachlorobenzene	3.0	10		U
58-90-2	2,3,4,6-Tetrachlorophenol	1.0	10		U
95-53-4	o-Toluidine	4.0	10		U
120-82-1	1,2,4-Trichlorobenzene	1.0	10		U
95-95-4	2,4,5-Trichlorophenol	1.0	25		U
88-06-2	2,4,6-Trichlorophenol	1.0	10		U
126-68-1	O,O,O-Triethylphosphorothioa	3.0	10		U
99-35-4	sym-Trinitrobenzene	3.0	10		U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW14D-001

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW003

Matrix: (soil/water) WATER Lab Sample ID: 0701033-08

Sample wt/vol: 920.0 (g/mL) ML Lab File ID: 0103308

% Moisture: _____ decanted: (Y/N)___ Date Sampled: 01/08/07 15:40

Extraction: (SepF/Cont/Sonc/Soxh) SEPF Date Extracted:01/11/07

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 01/12/07 17:54

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
83-32-9	Acenaphthene	1.1	11		U
208-96-8	Acenaphthylene	1.1	11		U
98-86-2	Acetophenone	1.1	11		U
53-96-3	2-Acetylaminofluorene	2.2	11		U
92-67-1	4-Aminobiphenyl	2.2	11		U
62-53-3	Aniline	1.1	11		U
140-57-8	Aramite	1.1	11		U
120-12-7	Anthracene	1.1	11		U
1912-24-9	Atrazine	1.1	5.4		U
100-52-7	Benzaldehyde	1.1	5.4		U
56-55-3	Benzo(a)anthracene	1.1	11		U
205-99-2	Benzo(b)fluoranthene	1.1	11		U
207-08-9	Benzo(k)fluoranthene	1.1	11		U
191-24-2	Benzo(g,h,i)perylene	1.1	11		U
50-32-8	Benzo(a)pyrene	1.1	11		U
100-51-6	Benzyl alcohol	1.1	11		U
92-52-4	1,1'-Biphenyl	1.1	5.4		U
111-91-1	bis(2-Chloroethoxy)methane	1.1	11		U
111-44-4	bis(2-Chloroethyl)ether	1.1	11		U
108-60-1	bis(2-Chloroisopropyl)ether	1.1	11		U
117-81-7	Bis(2-ethylhexyl)phthalate	1.1	11		U
101-55-3	4-Bromophenyl-phenylether	1.1	11		U
85-68-7	Butylbenzylphthalate	1.1	11		U
105-60-2	Caprolactam	1.1	5.4		U
86-74-8	Carbazole	1.1	11		U
106-47-8	4-Chloroaniline	1.1	11		U
510-15-6	Chlorobenzilate	1.1	11		U
59-50-7	4-Chloro-3-methylphenol	1.1	11		U
91-58-7	2-Chloronaphthalene	1.1	11		U
95-57-8	2-Chlorophenol	1.1	11		U
7005-72-3	4-Chlorophenyl-phenylether	1.1	11		U
218-01-9	Chrysene	1.1	11		U
2303-16-4	Diallate	1.1	11		U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW14D-001

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW003

Matrix: (soil/water) WATER Lab Sample ID: 0701033-08

Sample wt/vol: 920.0 (g/mL) ML Lab File ID: 0103308

% Moisture: _____ decanted: (Y/N)___ Date Sampled: 01/08/07 15:40

Extraction: (SepF/Cont/Sonc/Soxh) SEPF Date Extracted:01/11/07

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 01/12/07 17:54

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
53-70-3	Dibenz(a,h)anthracene	1.1	11		U
132-64-9	Dibenzofuran	1.1	11		U
91-94-1	3,3'-Dichlorobenzidine	1.1	11		U
120-83-2	2,4-Dichlorophenol	1.1	11		U
87-65-0	2,6-Dichlorophenol	1.1	11		U
84-66-2	Diethylphthalate	1.1	11		U
60-51-5	Dimethoate	4.3	11		U
60-11-7	p-(Dimethylamino)azobenzene	1.1	11		U
57-97-6	7,12-Dimethylbenz[a]anthrace	1.1	11		U
119-93-7	3,3'-Dimethylbenzidine	46	54		U
122-09-8	a,a-Dimethyl-phenethylamine	1.1	11		U
105-67-9	2,4-Dimethylphenol	1.1	11		U
131-11-3	Dimethylphthalate	1.1	11		U
84-74-2	Di-n-butylphthalate	1.1	11		U
99-65-0	m-Dinitrobenzene	3.3	11		U
534-52-1	4,6-Dinitro-2-methylphenol	1.1	27		U
51-28-5	2,4-Dinitrophenol	11	27		U
121-14-2	2,4-Dinitrotoluene	1.1	11		U
606-20-2	2,6-Dinitrotoluene	1.1	11		U
117-84-0	Di-n-octylphthalate	1.1	11		U
122-39-4	Diphenylamine	1.1	11		U
62-50-0	Ethyl methanesulfonate	1.1	11		U
206-44-0	Fluoranthene	1.1	11		U
86-73-7	Fluorene	1.1	11		U
118-74-1	Hexachlorobenzene	0.51	11		U
87-68-3	Hexachlorobutadiene	1.1	11		U
77-47-4	Hexachlorocyclopentadiene	1.1	11		U
67-72-1	Hexachloroethane	1.1	11		U
70-30-4	Hexachlorophene	27	140		U
1888-71-7	Hexachloropropene	4.3	11		U
193-39-5	Indeno(1,2,3-cd)pyrene	1.1	11		U
465-73-6	Isodrin	2.2	11		U
78-59-1	Isophorone	1.1	11		U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW14D-001

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW003

Matrix: (soil/water) WATER Lab Sample ID: 0701033-08

Sample wt/vol: 920.0 (g/mL) ML Lab File ID: 0103308

% Moisture: _____ decanted: (Y/N)___ Date Sampled: 01/08/07 15:40

Extraction: (SepF/Cont/Sonc/Soxh) SEPF Date Extracted:01/11/07

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 01/12/07 17:54

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
120-58-1	Isosafrole	1.1	11		U
143-50-0	Kepone	1.1	11		U
91-80-5	Methapyrilene	1.1	11		U
56-49-5	3-Methylcholanthrene	1.1	11		U
66-27-3	Methyl methanesulfonate	1.1	5.4		U
91-57-6	2-Methylnaphthalene	1.1	11		U
106-44-5	4-Methylphenol	1.1	11		U
108-39-4	3-Methylphenol	1.1	11		U
95-48-7	2-Methylphenol	1.1	11		U
91-20-3	Naphthalene	1.1	11		U
130-15-4	1,4-Naphthoquinone	1.1	11		U
134-32-7	1-Naphthylamine	1.1	11		U
91-59-8	2-Naphthylamine	1.1	11		U
88-74-4	2-Nitroaniline	1.1	27		U
99-09-2	3-Nitroaniline	1.1	27		U
100-01-6	4-Nitroaniline	1.1	27		U
98-95-3	Nitrobenzene	1.1	11		U
88-75-5	2-Nitrophenol	1.1	11		U
100-02-7	4-Nitrophenol	5.4	27		U
56-57-5	4-Nitroquinoline-1-oxide	1.1	11		U
924-16-3	N-Nitrosodi-n-butylamine	1.1	11		U
55-18-5	N-Nitrosodiethylamine	1.1	11		U
62-75-9	N-Nitroso-di-methylamine	1.1	11		U
86-30-6	N-Nitrosodiphenylamine (1)	1.1	11		U
621-64-7	N-Nitroso-di-n-propylamine	0.87	11		U
10595-95-6	N-Nitrosomethylethylamine	4.3	11		U
59-89-2	N-Nitrosomorpholine	1.1	11		U
100-75-4	N-Nitrosopiperidine	1.1	11		U
930-55-2	N-Nitrosopyrrolidine	1.1	11		U
99-55-8	5-Nitro-o-toluidine	2.2	11		U
608-93-5	Pentachlorobenzene	4.3	11		U
82-68-8	Pentachloronitrobenzene	4.3	11		U
76-01-7	Pentachloroethane	4.3	11		U

(1) - Cannot be separated from Diphenylamine

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW14D-001

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW003

Matrix: (soil/water) WATER Lab Sample ID: 0701033-08

Sample wt/vol: 920.0 (g/mL) ML Lab File ID: 0103308

% Moisture: _____ decanted: (Y/N)___ Date Sampled: 01/08/07 15:40

Extraction: (SepF/Cont/Sonc/Soxh) SEPF Date Extracted:01/11/07

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 01/12/07 17:54

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
87-86-5	Pentachlorophenol	1.1	27		U
62-44-2	Phenacetin	1.1	11		U
85-01-8	Phenanthrene	1.1	11		U
108-95-2	Phenol	1.1	11		U
106-50-3	p-Phenylenediamine	1.1	11		U
109-06-8	2-Picoline	7.6	11		U
23950-58-5	Pronamide	1.1	11		U
129-00-0	Pyrene	1.1	11		U
110-86-1	Pyridine	1.1	11		U
94-59-7	Safrole	1.1	11		U
95-94-3	1,2,4,5-Tetrachlorobenzene	3.3	11		U
58-90-2	2,3,4,6-Tetrachlorophenol	1.1	11		U
95-53-4	o-Toluidine	4.3	11		U
120-82-1	1,2,4-Trichlorobenzene	1.1	11		U
95-95-4	2,4,5-Trichlorophenol	1.1	27		U
88-06-2	2,4,6-Trichlorophenol	1.1	11		U
126-68-1	O,O,O-Triethylphosphorothioa	3.3	11		U
99-35-4	sym-Trinitrobenzene	3.3	11		U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW35S-001

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW003

Matrix: (soil/water) WATER Lab Sample ID: 0701033-09

Sample wt/vol: 960.0 (g/mL) ML Lab File ID: 0103309

% Moisture: _____ decanted: (Y/N)___ Date Sampled: 01/08/07 10:35

Extraction: (SepF/Cont/Sonc/Soxh) SEPF Date Extracted:01/11/07

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 01/12/07 18:29

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
83-32-9	Acenaphthene	1.0	10		U
208-96-8	Acenaphthylene	1.0	10		U
98-86-2	Acetophenone	1.0	10		U
53-96-3	2-Acetylaminofluorene	2.1	10		U
92-67-1	4-Aminobiphenyl	2.1	10		U
62-53-3	Aniline	1.0	10		U
140-57-8	Aramite	1.0	10		U
120-12-7	Anthracene	1.0	10		U
1912-24-9	Atrazine	1.0	5.2		U
100-52-7	Benzaldehyde	1.0	5.2		U
56-55-3	Benzo(a)anthracene	1.0	10		U
205-99-2	Benzo(b)fluoranthene	1.0	10		U
207-08-9	Benzo(k)fluoranthene	1.0	10		U
191-24-2	Benzo(g,h,i)perylene	1.0	10		U
50-32-8	Benzo(a)pyrene	1.0	10		U
100-51-6	Benzyl alcohol	1.0	10		U
92-52-4	1,1'-Biphenyl	1.0	5.2		U
111-91-1	bis(2-Chloroethoxy)methane	1.0	10		U
111-44-4	bis(2-Chloroethyl)ether	1.0	10		U
108-60-1	bis(2-Chloroisopropyl)ether	1.0	10		U
117-81-7	Bis(2-ethylhexyl)phthalate	1.0	10		U
101-55-3	4-Bromophenyl-phenylether	1.0	10		U
85-68-7	Butylbenzylphthalate	1.0	10		U
105-60-2	Caprolactam	1.0	5.2		U
86-74-8	Carbazole	1.0	10		U
106-47-8	4-Chloroaniline	1.0	10		U
510-15-6	Chlorobenzilate	1.0	10		U
59-50-7	4-Chloro-3-methylphenol	1.0	10		U
91-58-7	2-Chloronaphthalene	1.0	10		U
95-57-8	2-Chlorophenol	1.0	10		U
7005-72-3	4-Chlorophenyl-phenylether	1.0	10		U
218-01-9	Chrysene	1.0	10		U
2303-16-4	Diallate	1.0	10		U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW35S-001

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW003

Matrix: (soil/water) WATER Lab Sample ID: 0701033-09

Sample wt/vol: 960.0 (g/mL) ML Lab File ID: 0103309

% Moisture: _____ decanted: (Y/N)___ Date Sampled: 01/08/07 10:35

Extraction: (SepF/Cont/Sonc/Soxh) SEPF Date Extracted:01/11/07

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 01/12/07 18:29

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
53-70-3	Dibenz(a,h)anthracene	1.0	10		U
132-64-9	Dibenzofuran	1.0	10		U
91-94-1	3,3'-Dichlorobenzidine	1.0	10		U
120-83-2	2,4-Dichlorophenol	1.0	10		U
87-65-0	2,6-Dichlorophenol	1.0	10		U
84-66-2	Diethylphthalate	1.0	10		U
60-51-5	Dimethoate	4.2	10		U
60-11-7	p-(Dimethylamino)azobenzene	1.0	10		U
57-97-6	7,12-Dimethylbenz[a]anthrace	1.0	10		U
119-93-7	3,3'-Dimethylbenzidine	44	52		U
122-09-8	a,a-Dimethyl-phenethylamine	1.0	10		U
105-67-9	2,4-Dimethylphenol	1.0	10		U
131-11-3	Dimethylphthalate	1.0	10		U
84-74-2	Di-n-butylphthalate	1.0	10		U
99-65-0	m-Dinitrobenzene	3.1	10		U
534-52-1	4,6-Dinitro-2-methylphenol	1.0	26		U
51-28-5	2,4-Dinitrophenol	10	26		U
121-14-2	2,4-Dinitrotoluene	1.0	10		U
606-20-2	2,6-Dinitrotoluene	1.0	10		U
117-84-0	Di-n-octylphthalate	1.0	10		U
122-39-4	Diphenylamine	1.0	10		U
62-50-0	Ethyl methanesulfonate	1.0	10		U
206-44-0	Fluoranthene	1.0	10		U
86-73-7	Fluorene	1.0	10		U
118-74-1	Hexachlorobenzene	0.49	10		U
87-68-3	Hexachlorobutadiene	1.0	10		U
77-47-4	Hexachlorocyclopentadiene	1.0	10		U
67-72-1	Hexachloroethane	1.0	10		U
70-30-4	Hexachlorophene	26	130		U
1888-71-7	Hexachloropropene	4.2	10		U
193-39-5	Indeno(1,2,3-cd)pyrene	1.0	10		U
465-73-6	Isodrin	2.1	10		U
78-59-1	Isophorone	1.0	10		U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW35S-001

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW003

Matrix: (soil/water) WATER Lab Sample ID: 0701033-09

Sample wt/vol: 960.0 (g/mL) ML Lab File ID: 0103309

% Moisture: _____ decanted: (Y/N)___ Date Sampled: 01/08/07 10:35

Extraction: (SepF/Cont/Sonc/Soxh) SEPF Date Extracted: 01/11/07

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 01/12/07 18:29

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
120-58-1	Isosafrole	1.0	10		U
143-50-0	Kepone	1.0	10		U
91-80-5	Methapyrilene	1.0	10		U
56-49-5	3-Methylcholanthrene	1.0	10		U
66-27-3	Methyl methanesulfonate	1.0	5.2		U
91-57-6	2-Methylnaphthalene	1.0	10		U
106-44-5	4-Methylphenol	1.0	10		U
108-39-4	3-Methylphenol	1.0	10		U
95-48-7	2-Methylphenol	1.0	10		U
91-20-3	Naphthalene	1.0	10		U
130-15-4	1,4-Naphthoquinone	1.0	10		U
134-32-7	1-Naphthylamine	1.0	10		U
91-59-8	2-Naphthylamine	1.0	10		U
88-74-4	2-Nitroaniline	1.0	26		U
99-09-2	3-Nitroaniline	1.0	26		U
100-01-6	4-Nitroaniline	1.0	26		U
98-95-3	Nitrobenzene	1.0	10		U
88-75-5	2-Nitrophenol	1.0	10		U
100-02-7	4-Nitrophenol	5.2	26		U
56-57-5	4-Nitroquinoline-1-oxide	1.0	10		U
924-16-3	N-Nitrosodi-n-butylamine	1.0	10		U
55-18-5	N-Nitrosodiethylamine	1.0	10		U
62-75-9	N-Nitroso-di-methylamine	1.0	10		U
86-30-6	N-Nitrosodiphenylamine (1)	1.0	10		U
621-64-7	N-Nitroso-di-n-propylamine	0.83	10		U
10595-95-6	N-Nitrosomethylethylamine	4.2	10		U
59-89-2	N-Nitrosomorpholine	1.0	10		U
100-75-4	N-Nitrosopiperidine	1.0	10		U
930-55-2	N-Nitrosopyrrolidine	1.0	10		U
99-55-8	5-Nitro-o-toluidine	2.1	10		U
608-93-5	Pentachlorobenzene	4.2	10		U
82-68-8	Pentachloronitrobenzene	4.2	10		U
76-01-7	Pentachloroethane	4.2	10		U

(1) - Cannot be separated from Diphenylamine

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW35S-001

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW003

Matrix: (soil/water) WATER Lab Sample ID: 0701033-09

Sample wt/vol: 960.0 (g/mL) ML Lab File ID: 0103309

% Moisture: _____ decanted: (Y/N)___ Date Sampled: 01/08/07 10:35

Extraction: (SepF/Cont/Sonc/Soxh) SEPF Date Extracted:01/11/07

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 01/12/07 18:29

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
87-86-5	Pentachlorophenol	1.0	26		U
62-44-2	Phenacetin	1.0	10		U
85-01-8	Phenanthrene	1.0	10		U
108-95-2	Phenol	1.0	10		U
106-50-3	p-Phenylenediamine	1.0	10		U
109-06-8	2-Picoline	7.3	10		U
23950-58-5	Pronamide	1.0	10		U
129-00-0	Pyrene	1.0	10		U
110-86-1	Pyridine	1.0	10		U
94-59-7	Safrole	1.0	10		U
95-94-3	1,2,4,5-Tetrachlorobenzene	3.1	10		U
58-90-2	2,3,4,6-Tetrachlorophenol	1.0	10		U
95-53-4	o-Toluidine	4.2	10		U
120-82-1	1,2,4-Trichlorobenzene	1.0	10		U
95-95-4	2,4,5-Trichlorophenol	1.0	26		U
88-06-2	2,4,6-Trichlorophenol	1.0	10		U
126-68-1	O,O,O-Triethylphosphorothioa	3.1	10		U
99-35-4	sym-Trinitrobenzene	3.1	10		U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.
OLFS4-MW
35S-001-D

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW003

Matrix: (soil/water) WATER Lab Sample ID: 0701033-10

Sample wt/vol: 940.0 (g/mL) ML Lab File ID: 0103310

% Moisture: _____ decanted: (Y/N)___ Date Sampled: 01/08/07 10:50

Extraction: (SepF/Cont/Sonc/Soxh) SEPF Date Extracted:01/11/07

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 01/12/07 19:04

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
83-32-9	Acenaphthene	1.1	11		U
208-96-8	Acenaphthylene	1.1	11		U
98-86-2	Acetophenone	1.1	11		U
53-96-3	2-Acetylaminofluorene	2.1	11		U
92-67-1	4-Aminobiphenyl	2.1	11		U
62-53-3	Aniline	1.1	11		U
140-57-8	Aramite	1.1	11		U
120-12-7	Anthracene	1.1	11		U
1912-24-9	Atrazine	1.1	5.3		U
100-52-7	Benzaldehyde	1.1	5.3		U
56-55-3	Benzo(a)anthracene	1.1	11		U
205-99-2	Benzo(b)fluoranthene	1.1	11		U
207-08-9	Benzo(k)fluoranthene	1.1	11		U
191-24-2	Benzo(g,h,i)perylene	1.1	11		U
50-32-8	Benzo(a)pyrene	1.1	11		U
100-51-6	Benzyl alcohol	1.1	11		U
92-52-4	1,1'-Biphenyl	1.1	5.3		U
111-91-1	bis(2-Chloroethoxy)methane	1.1	11		U
111-44-4	bis(2-Chloroethyl)ether	1.1	11		U
108-60-1	bis(2-Chloroisopropyl)ether	1.1	11		U
117-81-7	Bis(2-ethylhexyl)phthalate	1.1	11		U
101-55-3	4-Bromophenyl-phenylether	1.1	11		U
85-68-7	Butylbenzylphthalate	1.1	11		U
105-60-2	Caprolactam	1.1	5.3		U
86-74-8	Carbazole	1.1	11		U
106-47-8	4-Chloroaniline	1.1	11		U
510-15-6	Chlorobenzilate	1.1	11		U
59-50-7	4-Chloro-3-methylphenol	1.1	11		U
91-58-7	2-Chloronaphthalene	1.1	11		U
95-57-8	2-Chlorophenol	1.1	11		U
7005-72-3	4-Chlorophenyl-phenylether	1.1	11		U
218-01-9	Chrysene	1.1	11		U
2303-16-4	Diallate	1.1	11		U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.
OLFS4-MW
35S-001-D

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW003

Matrix: (soil/water) WATER Lab Sample ID: 0701033-10

Sample wt/vol: 940.0 (g/mL) ML Lab File ID: 0103310

% Moisture: _____ decanted: (Y/N)___ Date Sampled: 01/08/07 10:50

Extraction: (SepF/Cont/Sonc/Soxh) SEPF Date Extracted:01/11/07

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 01/12/07 19:04

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
53-70-3	Dibenz(a,h)anthracene	1.1	11		U
132-64-9	Dibenzofuran	1.1	11		U
91-94-1	3,3'-Dichlorobenzidine	1.1	11		U
120-83-2	2,4-Dichlorophenol	1.1	11		U
87-65-0	2,6-Dichlorophenol	1.1	11		U
84-66-2	Diethylphthalate	1.1	11		U
60-51-5	Dimethoate	4.2	11		U
60-11-7	p-(Dimethylamino)azobenzene	1.1	11		U
57-97-6	7,12-Dimethylbenz[a]anthrace	1.1	11		U
119-93-7	3,3'-Dimethylbenzidine	45	53		U
122-09-8	a,a-Dimethyl-phenethylamine	1.1	11		U
105-67-9	2,4-Dimethylphenol	1.1	11		U
131-11-3	Dimethylphthalate	1.1	11		U
84-74-2	Di-n-butylphthalate	1.1	11		U
99-65-0	m-Dinitrobenzene	3.2	11		U
534-52-1	4,6-Dinitro-2-methylphenol	1.1	26		U
51-28-5	2,4-Dinitrophenol	11	26		U
121-14-2	2,4-Dinitrotoluene	1.1	11		U
606-20-2	2,6-Dinitrotoluene	1.1	11		U
117-84-0	Di-n-octylphthalate	1.1	11		U
122-39-4	Diphenylamine	1.1	11		U
62-50-0	Ethyl methanesulfonate	1.1	11		U
206-44-0	Fluoranthene	1.1	11		U
86-73-7	Fluorene	1.1	11		U
118-74-1	Hexachlorobenzene	0.50	11		U
87-68-3	Hexachlorobutadiene	1.1	11		U
77-47-4	Hexachlorocyclopentadiene	1.1	11		U
67-72-1	Hexachloroethane	1.1	11		U
70-30-4	Hexachlorophene	26	130		U
1888-71-7	Hexachloropropene	4.2	11		U
193-39-5	Indeno(1,2,3-cd)pyrene	1.1	11		U
465-73-6	Isodrin	2.1	11		U
78-59-1	Isophorone	1.1	11		U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.
OLFS4-MW
35S-001-D

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW003

Matrix: (soil/water) WATER Lab Sample ID: 0701033-10

Sample wt/vol: 940.0 (g/mL) ML Lab File ID: 0103310

% Moisture: _____ decanted: (Y/N)___ Date Sampled: 01/08/07 10:50

Extraction: (SepF/Cont/Sonc/Soxh) SEPF Date Extracted:01/11/07

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 01/12/07 19:04

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
120-58-1	Isosafrole	1.1	11		U
143-50-0	Kepone	1.1	11		U
91-80-5	Methapyrilene	1.1	11		U
56-49-5	3-Methylcholanthrene	1.1	11		U
66-27-3	Methyl methanesulfonate	1.1	5.3		U
91-57-6	2-Methylnaphthalene	1.1	11		U
106-44-5	4-Methylphenol	1.1	11		U
108-39-4	3-Methylphenol	1.1	11		U
95-48-7	2-Methylphenol	1.1	11		U
91-20-3	Naphthalene	1.1	11		U
130-15-4	1,4-Naphthoquinone	1.1	11		U
134-32-7	1-Naphthylamine	1.1	11		U
91-59-8	2-Naphthylamine	1.1	11		U
88-74-4	2-Nitroaniline	1.1	26		U
99-09-2	3-Nitroaniline	1.1	26		U
100-01-6	4-Nitroaniline	1.1	26		U
98-95-3	Nitrobenzene	1.1	11		U
88-75-5	2-Nitrophenol	1.1	11		U
100-02-7	4-Nitrophenol	5.3	26		U
56-57-5	4-Nitroquinoline-1-oxide	1.1	11		U
924-16-3	N-Nitrosodi-n-butylamine	1.1	11		U
55-18-5	N-Nitrosodiethylamine	1.1	11		U
62-75-9	N-Nitroso-di-methylamine	1.1	11		U
86-30-6	N-Nitrosodiphenylamine (1)	1.1	11		U
621-64-7	N-Nitroso-di-n-propylamine	0.85	11		U
10595-95-6	N-Nitrosomethylethylamine	4.2	11		U
59-89-2	N-Nitrosomorpholine	1.1	11		U
100-75-4	N-Nitrosopiperidine	1.1	11		U
930-55-2	N-Nitrosopyrrolidine	1.1	11		U
99-55-8	5-Nitro-o-toluidine	2.1	11		U
608-93-5	Pentachlorobenzene	4.2	11		U
82-68-8	Pentachloronitrobenzene	4.2	11		U
76-01-7	Pentachloroethane	4.2	11		U

(1) - Cannot be separated from Diphenylamine

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.
OLFS4-MW
35S-001-D

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW003

Matrix: (soil/water) WATER Lab Sample ID: 0701033-10

Sample wt/vol: 940.0 (g/mL) ML Lab File ID: 0103310

% Moisture: _____ decanted: (Y/N)___ Date Sampled: 01/08/07 10:50

Extraction: (SepF/Cont/Sonc/Soxh) SEPF Date Extracted:01/11/07

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 01/12/07 19:04

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
87-86-5	Pentachlorophenol	1.1	26		U
62-44-2	Phenacetin	1.1	11		U
85-01-8	Phenanthrene	1.1	11		U
108-95-2	Phenol	1.1	11		U
106-50-3	p-Phenylenediamine	1.1	11		U
109-06-8	2-Picoline	7.4	11		U
23950-58-5	Pronamide	1.1	11		U
129-00-0	Pyrene	1.1	11		U
110-86-1	Pyridine	1.1	11		U
94-59-7	Safrole	1.1	11		U
95-94-3	1,2,4,5-Tetrachlorobenzene	3.2	11		U
58-90-2	2,3,4,6-Tetrachlorophenol	1.1	11		U
95-53-4	o-Toluidine	4.2	11		U
120-82-1	1,2,4-Trichlorobenzene	1.1	11		U
95-95-4	2,4,5-Trichlorophenol	1.1	26		U
88-06-2	2,4,6-Trichlorophenol	1.1	11		U
126-68-1	O,O,O-Triethylphosphorothioa	3.2	11		U
99-35-4	sym-Trinitrobenzene	3.2	11		U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW34S-001

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW003

Matrix: (soil/water) WATER Lab Sample ID: 0701033-11

Sample wt/vol: 920.0 (g/mL) ML Lab File ID: 0103311

% Moisture: _____ decanted: (Y/N)___ Date Sampled: 01/08/07 10:15

Extraction: (SepF/Cont/Sonc/Soxh) SEPF Date Extracted:01/11/07

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 01/12/07 19:39

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
83-32-9	Acenaphthene	1.1	11		U
208-96-8	Acenaphthylene	1.1	11		U
98-86-2	Acetophenone	1.1	11		U
53-96-3	2-Acetylaminofluorene	2.2	11		U
92-67-1	4-Aminobiphenyl	2.2	11		U
62-53-3	Aniline	1.1	11		U
140-57-8	Aramite	1.1	11		U
120-12-7	Anthracene	1.1	11		U
1912-24-9	Atrazine	1.1	5.4		U
100-52-7	Benzaldehyde	1.1	5.4		U
56-55-3	Benzo(a)anthracene	1.1	11		U
205-99-2	Benzo(b)fluoranthene	1.1	11		U
207-08-9	Benzo(k)fluoranthene	1.1	11		U
191-24-2	Benzo(g,h,i)perylene	1.1	11		U
50-32-8	Benzo(a)pyrene	1.1	11		U
100-51-6	Benzyl alcohol	1.1	11		U
92-52-4	1,1'-Biphenyl	1.1	5.4		U
111-91-1	bis(2-Chloroethoxy)methane	1.1	11		U
111-44-4	bis(2-Chloroethyl)ether	1.1	11		U
108-60-1	bis(2-Chloroisopropyl)ether	1.1	11		U
117-81-7	Bis(2-ethylhexyl)phthalate	1.1	11		U
101-55-3	4-Bromophenyl-phenylether	1.1	11		U
85-68-7	Butylbenzylphthalate	1.1	11		U
105-60-2	Caprolactam	1.1	5.4		U
86-74-8	Carbazole	1.1	11		U
106-47-8	4-Chloroaniline	1.1	11		U
510-15-6	Chlorobenzilate	1.1	11		U
59-50-7	4-Chloro-3-methylphenol	1.1	11		U
91-58-7	2-Chloronaphthalene	1.1	11		U
95-57-8	2-Chlorophenol	1.1	11		U
7005-72-3	4-Chlorophenyl-phenylether	1.1	11		U
218-01-9	Chrysene	1.1	11		U
2303-16-4	Diallate	1.1	11		U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW34S-001

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW003

Matrix: (soil/water) WATER Lab Sample ID: 0701033-11

Sample wt/vol: 920.0 (g/mL) ML Lab File ID: 0103311

% Moisture: _____ decanted: (Y/N)___ Date Sampled: 01/08/07 10:15

Extraction: (SepF/Cont/Sonc/Soxh) SEPF Date Extracted:01/11/07

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 01/12/07 19:39

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
53-70-3	Dibenz(a,h)anthracene	1.1	11		U
132-64-9	Dibenzofuran	1.1	11		U
91-94-1	3,3'-Dichlorobenzidine	1.1	11		U
120-83-2	2,4-Dichlorophenol	1.1	11		U
87-65-0	2,6-Dichlorophenol	1.1	11		U
84-66-2	Diethylphthalate	1.1	11		U
60-51-5	Dimethoate	4.3	11		U
60-11-7	p-(Dimethylamino)azobenzene	1.1	11		U
57-97-6	7,12-Dimethylbenz[a]anthrace	1.1	11		U
119-93-7	3,3'-Dimethylbenzidine	46	54		U
122-09-8	a,a-Dimethyl-phenethylamine	1.1	11		U
105-67-9	2,4-Dimethylphenol	1.1	11		U
131-11-3	Dimethylphthalate	1.1	11		U
84-74-2	Di-n-butylphthalate	1.1	11		U
99-65-0	m-Dinitrobenzene	3.3	11		U
534-52-1	4,6-Dinitro-2-methylphenol	1.1	27		U
51-28-5	2,4-Dinitrophenol	11	27		U
121-14-2	2,4-Dinitrotoluene	1.1	11		U
606-20-2	2,6-Dinitrotoluene	1.1	11		U
117-84-0	Di-n-octylphthalate	1.1	11		U
122-39-4	Diphenylamine	1.1	11		U
62-50-0	Ethyl methanesulfonate	1.1	11		U
206-44-0	Fluoranthene	1.1	11		U
86-73-7	Fluorene	1.1	11		U
118-74-1	Hexachlorobenzene	0.51	11		U
87-68-3	Hexachlorobutadiene	1.1	11		U
77-47-4	Hexachlorocyclopentadiene	1.1	11		U
67-72-1	Hexachloroethane	1.1	11		U
70-30-4	Hexachlorophene	27	140		U
1888-71-7	Hexachloropropene	4.3	11		U
193-39-5	Indeno(1,2,3-cd)pyrene	1.1	11		U
465-73-6	Isodrin	2.2	11		U
78-59-1	Isophorone	1.1	11		U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW34S-001

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW003

Matrix: (soil/water) WATER Lab Sample ID: 0701033-11

Sample wt/vol: 920.0 (g/mL) ML Lab File ID: 0103311

% Moisture: _____ decanted: (Y/N)___ Date Sampled: 01/08/07 10:15

Extraction: (SepF/Cont/Sonc/Soxh) SEPF Date Extracted:01/11/07

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 01/12/07 19:39

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
120-58-1	Isosafrole	1.1	11		U
143-50-0	Kepone	1.1	11		U
91-80-5	Methapyrilene	1.1	11		U
56-49-5	3-Methylcholanthrene	1.1	11		U
66-27-3	Methyl methanesulfonate	1.1	5.4		U
91-57-6	2-Methylnaphthalene	1.1	11		U
106-44-5	4-Methylphenol	1.1	11		U
108-39-4	3-Methylphenol	1.1	11		U
95-48-7	2-Methylphenol	1.1	11		U
91-20-3	Naphthalene	1.1	11		U
130-15-4	1,4-Naphthoquinone	1.1	11		U
134-32-7	1-Naphthylamine	1.1	11		U
91-59-8	2-Naphthylamine	1.1	11		U
88-74-4	2-Nitroaniline	1.1	27		U
99-09-2	3-Nitroaniline	1.1	27		U
100-01-6	4-Nitroaniline	1.1	27		U
98-95-3	Nitrobenzene	1.1	11		U
88-75-5	2-Nitrophenol	1.1	11		U
100-02-7	4-Nitrophenol	5.4	27		U
56-57-5	4-Nitroquinoline-1-oxide	1.1	11		U
924-16-3	N-Nitrosodi-n-butylamine	1.1	11		U
55-18-5	N-Nitrosodiethylamine	1.1	11		U
62-75-9	N-Nitroso-di-methylamine	1.1	11		U
86-30-6	N-Nitrosodiphenylamine (1)	1.1	11		U
621-64-7	N-Nitroso-di-n-propylamine	0.87	11		U
10595-95-6	N-Nitrosomethylethylamine	4.3	11		U
59-89-2	N-Nitrosomorpholine	1.1	11		U
100-75-4	N-Nitrosopiperidine	1.1	11		U
930-55-2	N-Nitrosopyrrolidine	1.1	11		U
99-55-8	5-Nitro-o-toluidine	2.2	11		U
608-93-5	Pentachlorobenzene	4.3	11		U
82-68-8	Pentachloronitrobenzene	4.3	11		U
76-01-7	Pentachloroethane	4.3	11		U

(1) - Cannot be separated from Diphenylamine

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW34S-001

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW003

Matrix: (soil/water) WATER Lab Sample ID: 0701033-11

Sample wt/vol: 920.0 (g/mL) ML Lab File ID: 0103311

% Moisture: _____ decanted: (Y/N)___ Date Sampled: 01/08/07 10:15

Extraction: (SepF/Cont/Sonc/Soxh) SEPF Date Extracted:01/11/07

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 01/12/07 19:39

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
87-86-5	Pentachlorophenol	1.1	27		U
62-44-2	Phenacetin	1.1	11		U
85-01-8	Phenanthrene	1.1	11		U
108-95-2	Phenol	1.1	11		U
106-50-3	p-Phenylenediamine	1.1	11		U
109-06-8	2-Picoline	7.6	11		U
23950-58-5	Pronamide	1.1	11		U
129-00-0	Pyrene	1.1	11		U
110-86-1	Pyridine	1.1	11		U
94-59-7	Safrole	1.1	11		U
95-94-3	1,2,4,5-Tetrachlorobenzene	3.3	11		U
58-90-2	2,3,4,6-Tetrachlorophenol	1.1	11		U
95-53-4	o-Toluidine	4.3	11		U
120-82-1	1,2,4-Trichlorobenzene	1.1	11		U
95-95-4	2,4,5-Trichlorophenol	1.1	27		U
88-06-2	2,4,6-Trichlorophenol	1.1	11		U
126-68-1	O,O,O-Triethylphosphorothioa	3.3	11		U
99-35-4	sym-Trinitrobenzene	3.3	11		U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW28S-001

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW003

Matrix: (soil/water) WATER Lab Sample ID: 0701033-12

Sample wt/vol: 940.0 (g/mL) ML Lab File ID: 0103312

% Moisture: _____ decanted: (Y/N)___ Date Sampled: 01/08/07 12:30

Extraction: (SepF/Cont/Sonc/Soxh) SEPF Date Extracted:01/11/07

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 01/12/07 20:14

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
83-32-9	Acenaphthene	1.1	11		U
208-96-8	Acenaphthylene	1.1	11		U
98-86-2	Acetophenone	1.1	11		U
53-96-3	2-Acetylaminofluorene	2.1	11		U
92-67-1	4-Aminobiphenyl	2.1	11		U
62-53-3	Aniline	1.1	11		U
140-57-8	Aramite	1.1	11		U
120-12-7	Anthracene	1.1	11		U
1912-24-9	Atrazine	1.1	5.3		U
100-52-7	Benzaldehyde	1.1	5.3		U
56-55-3	Benzo(a)anthracene	1.1	11		U
205-99-2	Benzo(b)fluoranthene	1.1	11		U
207-08-9	Benzo(k)fluoranthene	1.1	11		U
191-24-2	Benzo(g,h,i)perylene	1.1	11		U
50-32-8	Benzo(a)pyrene	1.1	11		U
100-51-6	Benzyl alcohol	1.1	11		U
92-52-4	1,1'-Biphenyl	1.1	5.3		U
111-91-1	bis(2-Chloroethoxy)methane	1.1	11		U
111-44-4	bis(2-Chloroethyl)ether	1.1	11		U
108-60-1	bis(2-Chloroisopropyl)ether	1.1	11		U
117-81-7	Bis(2-ethylhexyl)phthalate	1.1	11		U
101-55-3	4-Bromophenyl-phenylether	1.1	11		U
85-68-7	Butylbenzylphthalate	1.1	11		U
105-60-2	Caprolactam	1.1	5.3		U
86-74-8	Carbazole	1.1	11		U
106-47-8	4-Chloroaniline	1.1	11		U
510-15-6	Chlorobenzilate	1.1	11		U
59-50-7	4-Chloro-3-methylphenol	1.1	11		U
91-58-7	2-Chloronaphthalene	1.1	11		U
95-57-8	2-Chlorophenol	1.1	11		U
7005-72-3	4-Chlorophenyl-phenylether	1.1	11		U
218-01-9	Chrysene	1.1	11		U
2303-16-4	Diallate	1.1	11		U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW28S-001

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW003

Matrix: (soil/water) WATER Lab Sample ID: 0701033-12

Sample wt/vol: 940.0 (g/mL) ML Lab File ID: 0103312

% Moisture: _____ decanted: (Y/N)___ Date Sampled: 01/08/07 12:30

Extraction: (SepF/Cont/Sonc/Soxh) SEPF Date Extracted:01/11/07

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 01/12/07 20:14

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
53-70-3	Dibenz(a,h)anthracene	1.1	11		U
132-64-9	Dibenzofuran	1.1	11		U
91-94-1	3,3'-Dichlorobenzidine	1.1	11		U
120-83-2	2,4-Dichlorophenol	1.1	11		U
87-65-0	2,6-Dichlorophenol	1.1	11		U
84-66-2	Diethylphthalate	1.1	11		U
60-51-5	Dimethoate	4.2	11		U
60-11-7	p-(Dimethylamino)azobenzene	1.1	11		U
57-97-6	7,12-Dimethylbenz[a]anthrace	1.1	11		U
119-93-7	3,3'-Dimethylbenzidine	45	53		U
122-09-8	a,a-Dimethyl-phenethylamine	1.1	11		U
105-67-9	2,4-Dimethylphenol	1.1	11		U
131-11-3	Dimethylphthalate	1.1	11		U
84-74-2	Di-n-butylphthalate	1.1	11		U
99-65-0	m-Dinitrobenzene	3.2	11		U
534-52-1	4,6-Dinitro-2-methylphenol	1.1	26		U
51-28-5	2,4-Dinitrophenol	11	26		U
121-14-2	2,4-Dinitrotoluene	1.1	11		U
606-20-2	2,6-Dinitrotoluene	1.1	11		U
117-84-0	Di-n-octylphthalate	1.1	11		U
122-39-4	Diphenylamine	1.1	11		U
62-50-0	Ethyl methanesulfonate	1.1	11		U
206-44-0	Fluoranthene	1.1	11		U
86-73-7	Fluorene	1.1	11		U
118-74-1	Hexachlorobenzene	0.50	11		U
87-68-3	Hexachlorobutadiene	1.1	11		U
77-47-4	Hexachlorocyclopentadiene	1.1	11		U
67-72-1	Hexachloroethane	1.1	11		U
70-30-4	Hexachlorophene	26	130		U
1888-71-7	Hexachloropropene	4.2	11		U
193-39-5	Indeno(1,2,3-cd)pyrene	1.1	11		U
465-73-6	Isodrin	2.1	11		U
78-59-1	Isophorone	1.1	11		U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW28S-001

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW003

Matrix: (soil/water) WATER Lab Sample ID: 0701033-12

Sample wt/vol: 940.0 (g/mL) ML Lab File ID: 0103312

% Moisture: _____ decanted: (Y/N)___ Date Sampled: 01/08/07 12:30

Extraction: (SepF/Cont/Sonc/Soxh) SEPF Date Extracted:01/11/07

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 01/12/07 20:14

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
120-58-1	Isosafrole	1.1	11		U
143-50-0	Kepone	1.1	11		U
91-80-5	Methapyrilene	1.1	11		U
56-49-5	3-Methylcholanthrene	1.1	11		U
66-27-3	Methyl methanesulfonate	1.1	5.3		U
91-57-6	2-Methylnaphthalene	1.1	11		U
106-44-5	4-Methylphenol	1.1	11		U
108-39-4	3-Methylphenol	1.1	11		U
95-48-7	2-Methylphenol	1.1	11		U
91-20-3	Naphthalene	1.1	11		U
130-15-4	1,4-Naphthoquinone	1.1	11		U
134-32-7	1-Naphthylamine	1.1	11		U
91-59-8	2-Naphthylamine	1.1	11		U
88-74-4	2-Nitroaniline	1.1	26		U
99-09-2	3-Nitroaniline	1.1	26		U
100-01-6	4-Nitroaniline	1.1	26		U
98-95-3	Nitrobenzene	1.1	11		U
88-75-5	2-Nitrophenol	1.1	11		U
100-02-7	4-Nitrophenol	5.3	26		U
56-57-5	4-Nitroquinoline-1-oxide	1.1	11		U
924-16-3	N-Nitrosodi-n-butylamine	1.1	11		U
55-18-5	N-Nitrosodiethylamine	1.1	11		U
62-75-9	N-Nitroso-di-methylamine	1.1	11		U
86-30-6	N-Nitrosodiphenylamine (1)	1.1	11		U
621-64-7	N-Nitroso-di-n-propylamine	0.85	11		U
10595-95-6	N-Nitrosomethylethylamine	4.2	11		U
59-89-2	N-Nitrosomorpholine	1.1	11		U
100-75-4	N-Nitrosopiperidine	1.1	11		U
930-55-2	N-Nitrosopyrrolidine	1.1	11		U
99-55-8	5-Nitro-o-toluidine	2.1	11		U
608-93-5	Pentachlorobenzene	4.2	11		U
82-68-8	Pentachloronitrobenzene	4.2	11		U
76-01-7	Pentachloroethane	4.2	11		U

(1) - Cannot be separated from Diphenylamine

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW28S-001

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW003

Matrix: (soil/water) WATER Lab Sample ID: 0701033-12

Sample wt/vol: 940.0 (g/mL) ML Lab File ID: 0103312

% Moisture: _____ decanted: (Y/N)___ Date Sampled: 01/08/07 12:30

Extraction: (SepF/Cont/Sonc/Soxh) SEPF Date Extracted:01/11/07

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 01/12/07 20:14

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
87-86-5	Pentachlorophenol	1.1	26		U
62-44-2	Phenacetin	1.1	11		U
85-01-8	Phenanthrene	1.1	11		U
108-95-2	Phenol	1.1	11		U
106-50-3	p-Phenylenediamine	1.1	11		U
109-06-8	2-Picoline	7.4	11		U
23950-58-5	Pronamide	1.1	11		U
129-00-0	Pyrene	1.1	11		U
110-86-1	Pyridine	1.1	11		U
94-59-7	Safrole	1.1	11		U
95-94-3	1,2,4,5-Tetrachlorobenzene	3.2	11		U
58-90-2	2,3,4,6-Tetrachlorophenol	1.1	11		U
95-53-4	o-Toluidine	4.2	11		U
120-82-1	1,2,4-Trichlorobenzene	1.1	11		U
95-95-4	2,4,5-Trichlorophenol	1.1	26		U
88-06-2	2,4,6-Trichlorophenol	1.1	11		U
126-68-1	O,O,O-Triethylphosphorothioa	3.2	11		U
99-35-4	sym-Trinitrobenzene	3.2	11		U

PEL LABORATORIES INC

Client Sample ID: OLFS4-MW15S-001

EDB ORGANIC

Lab_ID:	250567201	**Work Order:**	2505672	**Project:**	Pensacola
Date Sampled:	01/04/07 10:45	**Date Received:**	01/10/07 10:00	**Matrix:**	W
Prep Date:	01/11/07	**Analysis Date:**	01/13/07	**Run:**	E1011307
Prep Batch:	400110	**AnalysisTime:**	13:20		
Dilution Factor:	1	**Initial Wgt/Vol:**	35 mL	**Final Wgt/Vol:**	2 mL
Percent Moisture:	100	**Method:**	SW8011	**Instrument ID:**	SECD01

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
1,2-Dibromoethane(EDB)	0.0076 U	0.02	UG/L	0.0076

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,1,2,2-Tetrachloroethane	100	70 - 130

250107 1342

PEL LABORATORIES INC

Client Sample ID: OLFS4-MW04D-001

EDB ORGANIC

Lab_ID:	250567202	**Work Order:**	2505672	**Project:**	Pensacola
Date Sampled:	01/04/07 10:45	**Date Received:**	01/10/07 10:00	**Matrix:**	W
Prep Date:	01/11/07	**Analysis Date:**	01/13/07	**Run:**	E1011307
Prep Batch:	400110	**AnalysisTime:**	13:50		
Dilution Factor:	1	**Initial Wgt/Vol:**	35 mL	**Final Wgt/Vol:**	2 mL
Percent Moisture:	100	**Method:**	SW8011	**Instrument ID:**	SECD01

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
1,2-Dibromoethane(EDB)	0.0076 U	0.02	UG/L	0.0076

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,1,2,2-Tetrachloroethane	108	70 - 130

250107 1342

PEL LABORATORIES INC

Client Sample ID: OLFS4-MW30S-001

EDB ORGANIC

Lab_ID:	250567205	**Work Order:**	2505672	**Project:**	Pensacola
Date Sampled:	01/04/07 16:00	**Date Received:**	01/10/07 10:00	**Matrix:**	W
Prep Date:	01/11/07	**Analysis Date:**	01/13/07	**Run:**	E1011307
Prep Batch:	400110	**AnalysisTime:**	15:23		
Dilution Factor:	1	**Initial Wgt/Vol:**	35 mL	**Final Wgt/Vol:**	2 mL
Percent Moisture:	100	**Method:**	SW8011	**Instrument ID:**	SECD01

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
1,2-Dibromoethane(EDB)	0.0076 U	0.02	UG/L	0.0076

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,1,2,2-Tetrachloroethane	108	70 - 130

250107 1342

PEL LABORATORIES INC

Client Sample ID: OLFS4-MW33S-001

EDB ORGANIC

Lab_ID:	250567206	**Work Order:**	2505672	**Project:**	Pensacola
Date Sampled:	01/04/07 16:05	**Date Received:**	01/10/07 10:00	**Matrix:**	W
Prep Date:	01/11/07	**Analysis Date:**	01/13/07	**Run:**	E1011307
Prep Batch:	400110	**AnalysisTime:**	15:53		
Dilution Factor:	1	**Initial Wgt/Vol:**	35 mL	**Final Wgt/Vol:**	2 mL
Percent Moisture:	100	**Method:**	SW8011	**Instrument ID:**	SECD01

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
1,2-Dibromoethane(EDB)	0.0076 U	0.02	UG/L	0.0076

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,1,2,2-Tetrachloroethane	100	70 - 130

250107 1342

PEL LABORATORIES INC

Client Sample ID: OLFS4-MW29D-001

EDB ORGANIC

Lab_ID:	250567207	**Work Order:**	2505672	**Project:**	Pensacola
Date Sampled:	01/05/07 11:45	**Date Received:**	01/10/07 10:00	**Matrix:**	W
Prep Date:	01/11/07	**Analysis Date:**	01/13/07	**Run:**	E1011307
Prep Batch:	400110	**AnalysisTime:**	16:24		
Dilution Factor:	1	**Initial Wgt/Vol:**	35 mL	**Final Wgt/Vol:**	2 mL
Percent Moisture:	100	**Method:**	SW8011	**Instrument ID:**	SECD01

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
1,2-Dibromoethane(EDB)	0.0076 U	0.02	UG/L	0.0076

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,1,2,2-Tetrachloroethane	108	70 - 130

250107 1342

PEL LABORATORIES INC

Client Sample ID: OLFS4-MW32S-001

EDB ORGANIC

Lab_ID:	250567208	**Work Order:**	2505672	**Project:**	Pensacola
Date Sampled:	01/05/07 11:10	**Date Received:**	01/10/07 10:00	**Matrix:**	W
Prep Date:	01/11/07	**Analysis Date:**	01/13/07	**Run:**	E1011307
Prep Batch:	400110	**AnalysisTime:**	16:55		
Dilution Factor:	1	**Initial Wgt/Vol:**	35 mL	**Final Wgt/Vol:**	2 mL
Percent Moisture:	100	**Method:**	SW8011	**Instrument ID:**	SECD01

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
1,2-Dibromoethane(EDB)	0.0076 U	0.02	UG/L	0.0076

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,1,2,2-Tetrachloroethane	100	70 - 130

250107 1342

PEL LABORATORIES INC

Client Sample ID: OLFS4-MW26D-001

EDB ORGANIC

Lab_ID:	250567209	**Work Order:**	2505672	**Project:**	Pensacola
Date Sampled:	01/05/07 16:20	**Date Received:**	01/10/07 10:00	**Matrix:**	W
Prep Date:	01/11/07	**Analysis Date:**	01/13/07	**Run:**	E1011307
Prep Batch:	400110	**AnalysisTime:**	18:13		
Dilution Factor:	1	**Initial Wgt/Vol:**	35 mL	**Final Wgt/Vol:**	2 mL
Percent Moisture:	100	**Method:**	SW8011	**Instrument ID:**	SECD01

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
1,2-Dibromoethane(EDB)	0.0076 U	0.02	UG/L	0.0076

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,1,2,2-Tetrachloroethane	108	70 - 130

250107 1342

PEL LABORATORIES INC

Client Sample ID: OLFS4-MW36S-001

EDB ORGANIC

Lab_ID:	250567210	**Work Order:**	2505672	**Project:**	Pensacola
Date Sampled:	01/05/07 14:45	**Date Received:**	01/10/07 10:00	**Matrix:**	W
Prep Date:	01/11/07	**Analysis Date:**	01/13/07	**Run:**	E1011307
Prep Batch:	400110	**AnalysisTime:**	18:44		
Dilution Factor:	1	**Initial Wgt/Vol:**	35 mL	**Final Wgt/Vol:**	2 mL
Percent Moisture:	100	**Method:**	SW8011	**Instrument ID:**	SECD01

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
1,2-Dibromoethane(EDB)	0.0076 U	0.02	UG/L	0.0076

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,1,2,2-Tetrachloroethane	108	70 - 130

250107 1342

PEL LABORATORIES INC

Client Sample ID: OLFS4-MW31S-001

EDB ORGANIC

Lab_ID:	250567211	**Work Order:**	2505672	**Project:**	Pensacola
Date Sampled:	01/05/07 15:15	**Date Received:**	01/10/07 10:00	**Matrix:**	W
Prep Date:	01/11/07	**Analysis Date:**	01/13/07	**Run:**	E1011307
Prep Batch:	400110	**AnalysisTime:**	19:14		
Dilution Factor:	1	**Initial Wgt/Vol:**	35 mL	**Final Wgt/Vol:**	2 mL
Percent Moisture:	100	**Method:**	SW8011	**Instrument ID:**	SECD01

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
1,2-Dibromoethane(EDB)	0.0076 U	0.02	UG/L	0.0076

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,1,2,2-Tetrachloroethane	100	70 - 130

250107 1342

PEL LABORATORIES INC

Client Sample ID: OLFS4-MW02D-001

EDB ORGANIC

Lab_ID:	250567212	**Work Order:**	2505672	**Project:**	Pensacola
Date Sampled:	01/06/07 11:15	**Date Received:**	01/10/07 10:00	**Matrix:**	W
Prep Date:	01/11/07	**Analysis Date:**	01/13/07	**Run:**	E1011307
Prep Batch:	400110	**AnalysisTime:**	19:45		
Dilution Factor:	1	**Initial Wgt/Vol:**	35 mL	**Final Wgt/Vol:**	2 mL
Percent Moisture:	100	**Method:**	SW8011	**Instrument ID:**	SECD01

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
1,2-Dibromoethane(EDB)	0.0076 U	0.02	UG/L	0.0076

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,1,2,2-Tetrachloroethane	104	70 - 130

250107 1342

PEL LABORATORIES INC

Client Sample ID: OLFS4-MW01D2-001

EDB ORGANIC

Lab_ID:	250567213	**Work Order:**	2505672	**Project:**	Pensacola
Date Sampled:	01/06/07 10:40	**Date Received:**	01/10/07 10:00	**Matrix:**	W
Prep Date:	01/11/07	**Analysis Date:**	01/13/07	**Run:**	E1011307
Prep Batch:	400110	**AnalysisTime:**	20:16		
Dilution Factor:	1	**Initial Wgt/Vol:**	35 mL	**Final Wgt/Vol:**	2 mL
Percent Moisture:	100	**Method:**	SW8011	**Instrument ID:**	SECD01

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
1,2-Dibromoethane(EDB)	0.0076 U	0.02	UG/L	0.0076

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,1,2,2-Tetrachloroethane	100	70 - 130

250107 1342

PEL LABORATORIES INC

Client Sample ID: OLFS4-MW25S-001

EDB ORGANIC

Lab_ID:	250567214	**Work Order:**	2505672	**Project:**	Pensacola
Date Sampled:	01/06/07 15:20	**Date Received:**	01/10/07 10:00	**Matrix:**	W
Prep Date:	01/11/07	**Analysis Date:**	01/13/07	**Run:**	E1011307
Prep Batch:	400110	**AnalysisTime:**	20:46		
Dilution Factor:	1	**Initial Wgt/Vol:**	35 mL	**Final Wgt/Vol:**	2 mL
Percent Moisture:	100	**Method:**	SW8011	**Instrument ID:**	SECD01

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
1,2-Dibromoethane(EDB)	0.0076 U	0.02	UG/L	0.0076

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,1,2,2-Tetrachloroethane	104	70 - 130

250107 1342

PEL LABORATORIES INC

Client Sample ID: OLFS4-MW09S-001

EDB ORGANIC

Lab_ID:	250567215	**Work Order:**	2505672	**Project:**	Pensacola
Date Sampled:	01/06/07 14:30	**Date Received:**	01/10/07 10:00	**Matrix:**	W
Prep Date:	01/11/07	**Analysis Date:**	01/13/07	**Run:**	E1011307
Prep Batch:	400110	**AnalysisTime:**	21:17		
Dilution Factor:	1	**Initial Wgt/Vol:**	35 mL	**Final Wgt/Vol:**	2 mL
Percent Moisture:	100	**Method:**	SW8011	**Instrument ID:**	SECD01

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
1,2-Dibromoethane(EDB)	0.0076 U	0.02	UG/L	0.0076

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,1,2,2-Tetrachloroethane	108	70 - 130

250107 1342

PEL LABORATORIES INC

Client Sample ID: OLFS4-MW24S-001

EDB ORGANIC

Lab_ID:	250567216	**Work Order:**	2505672	**Project:**	Pensacola
Date Sampled:	01/06/07 17:35	**Date Received:**	01/10/07 10:00	**Matrix:**	W
Prep Date:	01/11/07	**Analysis Date:**	01/13/07	**Run:**	E1011307
Prep Batch:	400110	**AnalysisTime:**	21:48		
Dilution Factor:	1	**Initial Wgt/Vol:**	35 mL	**Final Wgt/Vol:**	2 mL
Percent Moisture:	100	**Method:**	SW8011	**Instrument ID:**	SECD01

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
1,2-Dibromoethane(EDB)	0.0076 U	0.02	UG/L	0.0076

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,1,2,2-Tetrachloroethane	104	70 - 130

250107 1342

PEL LABORATORIES INC

Client Sample ID: OLFS4-MW27S-001

EDB ORGANIC

Lab_ID:	250567217	**Work Order:**	2505672	**Project:**	Pensacola
Date Sampled:	01/07/07 11:00	**Date Received:**	01/10/07 10:00	**Matrix:**	W
Prep Date:	01/11/07	**Analysis Date:**	01/13/07	**Run:**	E1011307
Prep Batch:	400110	**AnalysisTime:**	22:18		
Dilution Factor:	1	**Initial Wgt/Vol:**	35 mL	**Final Wgt/Vol:**	2 mL
Percent Moisture:	100	**Method:**	SW8011	**Instrument ID:**	SECD01

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
1,2-Dibromoethane(EDB)	0.0076 U	0.02	UG/L	0.0076

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,1,2,2-Tetrachloroethane	108	70 - 130

250107 1342

PEL LABORATORIES INC

Client Sample ID: OLFS4-MW21S-001

EDB ORGANIC

Lab_ID:	250567218	**Work Order:**	2505672	**Project:**	Pensacola
Date Sampled:	01/07/07 11:00	**Date Received:**	01/10/07 10:00	**Matrix:**	W
Prep Date:	01/11/07	**Analysis Date:**	01/13/07	**Run:**	E1011307
Prep Batch:	400110	**AnalysisTime:**	23:37		
Dilution Factor:	1	**Initial Wgt/Vol:**	35 mL	**Final Wgt/Vol:**	2 mL
Percent Moisture:	100	**Method:**	SW8011	**Instrument ID:**	SECD01

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
1,2-Dibromoethane(EDB)	0.0076 U	0.02	UG/L	0.0076

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,1,2,2-Tetrachloroethane	108	70 - 130

250107 1342

PEL LABORATORIES INC

Client Sample ID: OLFS4-MW14D-001

EDB ORGANIC

Lab_ID:	250567219	**Work Order:**	2505672	**Project:**	Pensacola
Date Sampled:	01/08/07 15:40	**Date Received:**	01/10/07 10:00	**Matrix:**	W
Prep Date:	01/11/07	**Analysis Date:**	01/14/07	**Run:**	E1011307
Prep Batch:	400110	**AnalysisTime:**	00:07		
Dilution Factor:	1	**Initial Wgt/Vol:**	35 mL	**Final Wgt/Vol:**	2 mL
Percent Moisture:	100	**Method:**	SW8011	**Instrument ID:**	SECD01

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
1,2-Dibromoethane(EDB)	0.0076 U	0.02	UG/L	0.0076

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,1,2,2-Tetrachloroethane	108	70 - 130

250107 1342

PEL LABORATORIES INC

Client Sample ID: OLFS4-MW35S-001

EDB ORGANIC

Lab_ID:	250567220	**Work Order:**	2505672	**Project:**	Pensacola
Date Sampled:	01/08/07 10:35	**Date Received:**	01/10/07 10:00	**Matrix:**	W
Prep Date:	01/11/07	**Analysis Date:**	01/14/07	**Run:**	E1011307
Prep Batch:	400110	**AnalysisTime:**	00:38		
Dilution Factor:	1	**Initial Wgt/Vol:**	35 mL	**Final Wgt/Vol:**	2 mL
Percent Moisture:	100	**Method:**	SW8011	**Instrument ID:**	SECD01

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
1,2-Dibromoethane(EDB)	0.0076 U	0.02	UG/L	0.0076

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,1,2,2-Tetrachloroethane	100	70 - 130

250107 1342

PEL LABORATORIES INC

Client Sample ID: OLFS4-MW35S-001-D

EDB ORGANIC

Lab_ID:	250567221	**Work Order:**	2505672	**Project:**	Pensacola
Date Sampled:	01/08/07 10:50	**Date Received:**	01/10/07 10:00	**Matrix:**	W
Prep Date:	01/11/07	**Analysis Date:**	01/14/07	**Run:**	E1011307
Prep Batch:	400110	**AnalysisTime:**	01:09		
Dilution Factor:	1	**Initial Wgt/Vol:**	35 mL	**Final Wgt/Vol:**	2 mL
Percent Moisture:	100	**Method:**	SW8011	**Instrument ID:**	SECD01

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
1,2-Dibromoethane(EDB)	0.0076 U	0.02	UG/L	0.0076

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,1,2,2-Tetrachloroethane	104	70 - 130

250107 1342

PEL LABORATORIES INC

Client Sample ID: OLFS4-MW34S-001

EDB ORGANIC

Lab_ID:	250567222	**Work Order:**	2505672	**Project:**	Pensacola
Date Sampled:	01/08/07 10:15	**Date Received:**	01/10/07 10:00	**Matrix:**	W
Prep Date:	01/11/07	**Analysis Date:**	01/14/07	**Run:**	E1011307
Prep Batch:	400110	**AnalysisTime:**	01:39		
Dilution Factor:	1	**Initial Wgt/Vol:**	35 mL	**Final Wgt/Vol:**	2 mL
Percent Moisture:	100	**Method:**	SW8011	**Instrument ID:**	SECD01

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
1,2-Dibromoethane(EDB)	0.0076 U	0.02	UG/L	0.0076

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,1,2,2-Tetrachloroethane	100	70 - 130

250107 1342

PEL LABORATORIES INC

Client Sample ID: OLFS4-MW28S-001

EDB ORGANIC

Lab_ID:	250567223	**Work Order:**	2505672	**Project:**	Pensacola
Date Sampled:	01/08/07 12:30	**Date Received:**	01/10/07 10:00	**Matrix:**	W
Prep Date:	01/11/07	**Analysis Date:**	01/15/07	**Run:**	E1011507
Prep Batch:	400111	**AnalysisTime:**	21:15		
Dilution Factor:	1	**Initial Wgt/Vol:**	35 mL	**Final Wgt/Vol:**	2 mL
Percent Moisture:	100	**Method:**	SW8011	**Instrument ID:**	SECD01

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
1,2-Dibromoethane(EDB)	0.0076 U	0.02	UG/L	0.0076

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,1,2,2-Tetrachloroethane	108	70 - 130

250107 1342

USEPA - 6010B
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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-MW15S-001

Lab Name: Empirical Labs Contract: TetraTech NUS, Inc.

Lab Code: ELABN Case No.: SAS No.: SDG: SAUFLEYW003

Matrix: WATER Lab Sample ID: 0701021-01

Level (low/med): LOW Date Sampled: 01/04/07

% Solids: 0.0 Date Received: 01/05/07

Concentration Units (ug/L or mg/kg dry weight): ug/L

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
7439-92-1	Lead	0.38	0.75	2.8			P
7782-49-2	Selenium	1.2	2.5		U		P
7440-28-0	Thallium	0.75	2.5		U		P
7440-22-4	Silver	1.0	10.0	4.8	I		P
7429-90-5	Aluminum	75.0	200	172	I		P
7440-38-2	Arsenic	3.0	10.0		U		P
7440-39-3	Barium	5.0	200	43.3	I		P
7440-41-7	Beryllium	4.0	10.0		U		P
7440-70-2	Calcium	1000	5000	7780			P
7440-43-9	Cadmium	1.0	5.0		U		P
7440-48-4	Cobalt	5.0	50.0	31.5	I		P
7440-47-3	Chromium	2.0	10.0	33.2			P
7440-50-8	Copper	5.0	25.0	10.2	I		P
7439-89-6	Iron	30.0	100	984			P
7440-09-7	Potassium	1000	5000	4760	I		P
7439-95-4	Magnesium	1000	5000	1320	I		P
7439-96-5	Manganese	3.0	15.0	265			P
7440-23-5	Sodium	1000	5000	4240	I		P
7440-02-0	Nickel	5.0	40.0	30.2	I		P
7440-36-0	Antimony	5.0	60.0		U		P
7440-62-2	Vanadium	5.0	50.0		U		P
7440-66-6	Zinc	10.0	20.0	255			P

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

USEPA - 7470A

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-MW15S-001

Lab Name: Empirical Labs Contract: TetraTech NUS, Inc.

Lab Code: ELABN Case No.: SAS No.: SDG: SAUFLEYW003

Matrix: WATER Lab Sample ID: 0701021-01

Level (low/med): LOW Date Sampled: 01/04/07

% Solids: 0.0 Date Received: 01/05/07

Concentration Units (ug/L or mg/kg dry weight): ug/L

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
7439-97-6	Mercury	0.080	0.20		U		AV

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

USEPA - 9012A

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-MW15S-001

Lab Name: Empirical Labs Contract: TetraTech NUS, Inc.

Lab Code: ELABN Case No.: SAS No.: SDG: SAUFLEYW003

Matrix: WATER Lab Sample ID: 0701021-01

Level (low/med): LOW Date Sampled: 01/04/07

% Solids: 0.0 Date Received: 01/05/07

Concentration Units (ug/L or mg/kg dry weight): ug/L

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
57-12-5	Cyanide	5.0	10.0		U		AS

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

USEPA - 6010B

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-MW04D-001

Lab Name: Empirical Labs Contract: TetraTech NUS, Inc.

Lab Code: ELABN Case No.: SAS No.: SDG: SAUFLEYW003

Matrix: WATER Lab Sample ID: 0701021-02

Level (low/med): LOW Date Sampled: 01/04/07

% Solids: 0.0 Date Received: 01/05/07

Concentration Units (ug/L or mg/kg dry weight): ug/L

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
7439-92-1	Lead	0.38	0.75	0.56	I		P
7782-49-2	Selenium	1.2	2.5		U		P
7440-28-0	Thallium	0.75	2.5		U		P
7440-22-4	Silver	1.0	10.0		U		P
7429-90-5	Aluminum	75.0	200		U		P
7440-38-2	Arsenic	3.0	10.0		U		P
7440-39-3	Barium	5.0	200	19.1	I		P
7440-41-7	Beryllium	4.0	10.0		U		P
7440-70-2	Calcium	1000	5000		U		P
7440-43-9	Cadmium	1.0	5.0		U		P
7440-48-4	Cobalt	5.0	50.0		U		P
7440-47-3	Chromium	2.0	10.0	11.5			P
7440-50-8	Copper	5.0	25.0	12.7	I		P
7439-89-6	Iron	30.0	100	190			P
7440-09-7	Potassium	1000	5000		U		P
7439-95-4	Magnesium	1000	5000		U		P
7439-96-5	Manganese	3.0	15.0	15.1			P
7440-23-5	Sodium	1000	5000	3870	I		P
7440-02-0	Nickel	5.0	40.0	10.4	I		P
7440-36-0	Antimony	5.0	60.0		U		P
7440-62-2	Vanadium	5.0	50.0		U		P
7440-66-6	Zinc	10.0	20.0	17.4	I		P

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

USEPA - 7470A

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-MW04D-001

Lab Name: Empirical Labs Contract: TetraTech NUS, Inc.

Lab Code: ELABN Case No.: SAS No.: SDG: SAUFLEYW003

Matrix: WATER Lab Sample ID: 0701021-02

Level (low/med): LOW Date Sampled: 01/04/07

% Solids: 0.0 Date Received: 01/05/07

Concentration Units (ug/L or mg/kg dry weight): ug/L

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
7439-97-6	Mercury	0.080	0.20		U		AV

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

USEPA - 9012A

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-MW04D-001

Lab Name: Empirical Labs Contract: TetraTech NUS, Inc.

Lab Code: ELABN Case No.: SAS No.: SDG: SAUFLEYW003

Matrix: WATER Lab Sample ID: 0701021-02

Level (low/med): LOW Date Sampled: 01/04/07

% Solids: 0.0 Date Received: 01/05/07

Concentration Units (ug/L or mg/kg dry weight): ug/L

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
57-12-5	Cyanide	5.0	10.0		U		AS

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

USEPA - 6010B
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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-MW30S-001

Lab Name: Empirical Labs Contract: TetraTech NUS, Inc.

Lab Code: ELABN Case No.: SAS No.: SDG: SAUFLEYW003

Matrix: WATER Lab Sample ID: 0701021-04

Level (low/med): LOW Date Sampled: 01/04/07

% Solids: 0.0 Date Received: 01/05/07

Concentration Units (ug/L or mg/kg dry weight): ug/L

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
7439-92-1	Lead	0.38	0.75	0.73	I		P
7782-49-2	Selenium	1.2	2.5		U		P
7440-28-0	Thallium	0.75	2.5		U		P
7440-22-4	Silver	1.0	10.0		U		P
7429-90-5	Aluminum	75.0	200		U		P
7440-38-2	Arsenic	3.0	10.0		U		P
7440-39-3	Barium	5.0	200	14.8	I		P
7440-41-7	Beryllium	4.0	10.0		U		P
7440-70-2	Calcium	1000	5000	18000			P
7440-43-9	Cadmium	1.0	5.0		U		P
7440-48-4	Cobalt	5.0	50.0		U		P
7440-47-3	Chromium	2.0	10.0	5.6	I		P
7440-50-8	Copper	5.0	25.0		U		P
7439-89-6	Iron	30.0	100	8690			P
7440-09-7	Potassium	1000	5000		U		P
7439-95-4	Magnesium	1000	5000	1670	I		P
7439-96-5	Manganese	3.0	15.0	563			P
7440-23-5	Sodium	1000	5000	2680	I		P
7440-02-0	Nickel	5.0	40.0	6.1	I		P
7440-36-0	Antimony	5.0	60.0		U		P
7440-62-2	Vanadium	5.0	50.0		U		P
7440-66-6	Zinc	10.0	20.0	29.7			P

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

USEPA - 7470A

- 1 -

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-MW30S-001

Lab Name: Empirical Labs Contract: TetraTech NUS, Inc.

Lab Code: ELABN Case No.: SAS No.: SDG: SAUFLEYW003

Matrix: WATER Lab Sample ID: 0701021-04

Level (low/med): LOW Date Sampled: 01/04/07

% Solids: 0.0 Date Received: 01/05/07

Concentration Units (ug/L or mg/kg dry weight): ug/L

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
7439-97-6	Mercury	0.080	0.20		U		AV

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

USEPA - 9012A
- 1 -
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-MW30S-001

Lab Name: Empirical Labs Contract: TetraTech NUS, Inc.

Lab Code: ELABN Case No.: SAS No.: SDG: SAUFLEYW003

Matrix: WATER Lab Sample ID: 0701021-04

Level (low/med): LOW Date Sampled: 01/04/07

% Solids: 0.0 Date Received: 01/05/07

Concentration Units (ug/L or mg/kg dry weight): ug/L

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
57-12-5	Cyanide	5.0	10.0		U		AS

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

USEPA - 6010B
- 1 -
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-MW33S-001

Lab Name: Empirical Labs Contract: TetraTech NUS, Inc.

Lab Code: ELABN Case No.: SAS No.: SDG: SAUFLEYW003

Matrix: WATER Lab Sample ID: 0701021-05

Level (low/med): LOW Date Sampled: 01/04/07

% Solids: 0.0 Date Received: 01/05/07

Concentration Units (ug/L or mg/kg dry weight): ug/L

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
7439-92-1	Lead	0.38	0.75	1.1			P
7782-49-2	Selenium	1.2	2.5		U		P
7440-28-0	Thallium	0.75	2.5		U		P
7440-22-4	Silver	1.0	10.0		U		P
7429-90-5	Aluminum	75.0	200	144	I		P
7440-38-2	Arsenic	3.0	10.0		U		P
7440-39-3	Barium	5.0	200	15.0	I		P
7440-41-7	Beryllium	4.0	10.0		U		P
7440-70-2	Calcium	1000	5000	15100			P
7440-43-9	Cadmium	1.0	5.0		U		P
7440-48-4	Cobalt	5.0	50.0		U		P
7440-47-3	Chromium	2.0	10.0	25.7			P
7440-50-8	Copper	5.0	25.0	11.3	I		P
7439-89-6	Iron	30.0	100	3550			P
7440-09-7	Potassium	1000	5000		U		P
7439-95-4	Magnesium	1000	5000	1710	I		P
7439-96-5	Manganese	3.0	15.0	178			P
7440-23-5	Sodium	1000	5000	2510	I		P
7440-02-0	Nickel	5.0	40.0	22.4	I		P
7440-36-0	Antimony	5.0	60.0		U		P
7440-62-2	Vanadium	5.0	50.0		U		P
7440-66-6	Zinc	10.0	20.0	38.8			P

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

USEPA - 7470A
- 1 -
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-MW33S-001

Lab Name: Empirical Labs Contract: TetraTech NUS, Inc.

Lab Code: ELABN Case No.: SAS No.: SDG: SAUFLEYW003

Matrix: WATER Lab Sample ID: 0701021-05

Level (low/med): LOW Date Sampled: 01/04/07

% Solids: 0.0 Date Received: 01/05/07

Concentration Units (ug/L or mg/kg dry weight): ug/L

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
7439-97-6	Mercury	0.080	0.20		U		AV

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

USEPA - 9012A

- 1 -

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-MW33S-001

Lab Name: Empirical Labs Contract: TetraTech NUS, Inc.

Lab Code: ELABN Case No.: SAS No.: SDG: SAUFLEYW003

Matrix: WATER Lab Sample ID: 0701021-05

Level (low/med): LOW Date Sampled: 01/04/07

% Solids: 0.0 Date Received: 01/05/07

Concentration Units (ug/L or mg/kg dry weight): ug/L

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
57-12-5	Cyanide	5.0	10.0		U		AS

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

USEPA - 6010B

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-MW29D-001

Lab Name: Empirical Labs Contract: TetraTech NUS, Inc.

Lab Code: ELABN Case No.: SAS No.: SDG: SAUFLEYW003

Matrix: WATER Lab Sample ID: 0701028-01

Level (low/med): LOW Date Sampled: 01/05/07

% Solids: 0.0 Date Received: 01/06/07

Concentration Units (ug/L or mg/kg dry weight): ug/L

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
7440-22-4	Silver	1.0	10.0		U		P
7429-90-5	Aluminum	75.0	200		U		P
7440-38-2	Arsenic	3.0	10.0		U		P
7440-39-3	Barium	5.0	200	83.0	I		P
7440-41-7	Beryllium	4.0	10.0		U		P
7440-70-2	Calcium	1000	5000	6130			P
7440-43-9	Cadmium	1.0	5.0		U		P
7440-48-4	Cobalt	5.0	50.0		U		P
7440-47-3	Chromium	2.0	10.0	8.8	I		P
7440-50-8	Copper	5.0	25.0		U		P
7439-89-6	Iron	30.0	100	4920			P
7440-09-7	Potassium	1000	5000	1870	I		P
7439-95-4	Magnesium	1000	5000	4420	I		P
7439-96-5	Manganese	3.0	15.0	130			P
7440-23-5	Sodium	1000	5000	4060	I		P
7440-02-0	Nickel	5.0	40.0	12.1	I		P
7440-36-0	Antimony	5.0	60.0		U		P
7440-62-2	Vanadium	5.0	50.0		U		P
7440-66-6	Zinc	10.0	20.0	21.4			P
7439-92-1	Lead	0.38	0.75	0.44	I		P
7782-49-2	Selenium	1.2	2.5	1.4	I		P
7440-28-0	Thallium	0.75	2.5		U		P

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

USEPA - 7470A
- 1 -
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-MW29D-001

Lab Name: Empirical Labs Contract: TetraTech NUS, Inc.

Lab Code: ELABN Case No.: SAS No.: SDG: SAUFLEYW003

Matrix: WATER Lab Sample ID: 0701028-01

Level (low/med): LOW Date Sampled: 01/05/07

% Solids: 0.0 Date Received: 01/06/07

Concentration Units (ug/L or mg/kg dry weight): ug/L

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
7439-97-6	Mercury	0.080	0.20		U		AV

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

USEPA - 9012A

- 1 -

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-MW29D-001

Lab Name: Empirical Labs Contract: TetraTech NUS, Inc.

Lab Code: ELABN Case No.: SAS No.: SDG: SAUFLEYW003

Matrix: WATER Lab Sample ID: 0701028-01

Level (low/med): LOW Date Sampled: 01/05/07

% Solids: 0.0 Date Received: 01/06/07

Concentration Units (ug/L or mg/kg dry weight): ug/L

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
57-12-5	Cyanide	5.0	10.0		U		AS

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

USEPA - 6010B

- 1 -

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-MW32S-001

Lab Name: Empirical Labs Contract: TetraTech NUS, Inc.

Lab Code: ELABN Case No.: SAS No.: SDG: SAUFLEYW003

Matrix: WATER Lab Sample ID: 0701028-02

Level (low/med): LOW Date Sampled: 01/05/07

% Solids: 0.0 Date Received: 01/06/07

Concentration Units (ug/L or mg/kg dry weight): ug/L

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
7440-22-4	Silver	1.0	10.0		U		P
7429-90-5	Aluminum	75.0	200		U		P
7440-38-2	Arsenic	3.0	10.0		U		P
7440-39-3	Barium	5.0	200	15.9	I		P
7440-41-7	Beryllium	4.0	10.0		U		P
7440-70-2	Calcium	1000	5000	17700			P
7440-43-9	Cadmium	1.0	5.0		U		P
7440-48-4	Cobalt	5.0	50.0		U		P
7440-47-3	Chromium	2.0	10.0	4.8	I		P
7440-50-8	Copper	5.0	25.0		U		P
7439-89-6	Iron	30.0	100	6780			P
7440-09-7	Potassium	1000	5000		U		P
7439-95-4	Magnesium	1000	5000	1890	I		P
7439-96-5	Manganese	3.0	15.0	610			P
7440-23-5	Sodium	1000	5000	2580	I		P
7440-02-0	Nickel	5.0	40.0	6.3	I		P
7440-36-0	Antimony	5.0	60.0		U		P
7440-62-2	Vanadium	5.0	50.0		U		P
7440-66-6	Zinc	10.0	20.0	11.4	I		P
7439-92-1	Lead	0.38	0.75		U		P
7782-49-2	Selenium	1.2	2.5		U		P
7440-28-0	Thallium	0.75	2.5		U		P

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

USEPA - 7470A

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-MW32S-001

Lab Name: Empirical Labs Contract: TetraTech NUS, Inc.

Lab Code: ELABN Case No.: SAS No.: SDG: SAUFLEYW003

Matrix: WATER Lab Sample ID: 0701028-02

Level (low/med): LOW Date Sampled: 01/05/07

% Solids: 0.0 Date Received: 01/06/07

Concentration Units (ug/L or mg/kg dry weight): ug/L

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
7439-97-6	Mercury	0.080	0.20		U		AV

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

USEPA - 9012A

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-MW32S-001

Lab Name: Empirical Labs Contract: TetraTech NUS, Inc.

Lab Code: ELABN Case No.: SAS No.: SDG: SAUFLEYW003

Matrix: WATER Lab Sample ID: 0701028-02

Level (low/med): LOW Date Sampled: 01/05/07

% Solids: 0.0 Date Received: 01/06/07

Concentration Units (ug/L or mg/kg dry weight): ug/L

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
57-12-5	Cyanide	5.0	10.0		U		AS

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

USEPA - 6010B
- 1 -
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-MW26D-001

Lab Name: Empirical Labs Contract: TetraTech NUS, Inc.

Lab Code: ELABN Case No.: SAS No.: SDG: SAUFLEYW003

Matrix: WATER Lab Sample ID: 0701028-04

Level (low/med): LOW Date Sampled: 01/05/07

% Solids: 0.0 Date Received: 01/06/07

Concentration Units (ug/L or mg/kg dry weight): ug/L

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
7440-22-4	Silver	1.0	10.0		U		P
7429-90-5	Aluminum	75.0	200		U		P
7440-38-2	Arsenic	3.0	10.0		U		P
7440-39-3	Barium	5.0	200	67.9	I		P
7440-41-7	Beryllium	4.0	10.0		U		P
7440-70-2	Calcium	1000	5000	21900			P
7440-43-9	Cadmium	1.0	5.0		U		P
7440-48-4	Cobalt	5.0	50.0		U		P
7440-47-3	Chromium	2.0	10.0	3.4	I		P
7440-50-8	Copper	5.0	25.0		U		P
7439-89-6	Iron	30.0	100	12500			P
7440-09-7	Potassium	1000	5000	7250			P
7439-95-4	Magnesium	1000	5000	9610			P
7439-96-5	Manganese	3.0	15.0	151			P
7440-23-5	Sodium	1000	5000	11400			P
7440-02-0	Nickel	5.0	40.0	7.0	I		P
7440-36-0	Antimony	5.0	60.0		U		P
7440-62-2	Vanadium	5.0	50.0		U		P
7440-66-6	Zinc	10.0	20.0	13.0	I		P
7439-92-1	Lead	0.38	0.75		U		P
7782-49-2	Selenium	1.2	2.5		U		P
7440-28-0	Thallium	0.75	2.5		U		P

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

USEPA - 7470A
- 1 -
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-MW26D-001

Lab Name: Empirical Labs Contract: TetraTech NUS, Inc.

Lab Code: ELABN Case No.: SAS No.: SDG: SAUFLEYW003

Matrix: WATER Lab Sample ID: 0701028-04

Level (low/med): LOW Date Sampled: 01/05/07

% Solids: 0.0 Date Received: 01/06/07

Concentration Units (ug/L or mg/kg dry weight): ug/L

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
7439-97-6	Mercury	0.080	0.20		U		AV

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

USEPA - 9012A
- 1 -
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-MW26D-001

Lab Name: Empirical Labs Contract: TetraTech NUS, Inc.

Lab Code: ELABN Case No.: SAS No.: SDG: SAUFLEYW003

Matrix: WATER Lab Sample ID: 0701028-04

Level (low/med): LOW Date Sampled: 01/05/07

% Solids: 0.0 Date Received: 01/06/07

Concentration Units (ug/L or mg/kg dry weight): ug/L

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
57-12-5	Cyanide	5.0	10.0		U		AS

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

USEPA - 6010B
- 1 -
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-MW36S-001

Lab Name: Empirical Labs Contract: TetraTech NUS, Inc.

Lab Code: ELABN Case No.: SAS No.: SDG: SAUFLEYW003

Matrix: WATER Lab Sample ID: 0701028-05

Level (low/med): LOW Date Sampled: 01/05/07

% Solids: 0.0 Date Received: 01/06/07

Concentration Units (ug/L or mg/kg dry weight): ug/L

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
7440-22-4	Silver	1.0	10.0		U		P
7429-90-5	Aluminum	75.0	200		U		P
7440-38-2	Arsenic	3.0	10.0		U		P
7440-39-3	Barium	5.0	200	27.6	I		P
7440-41-7	Beryllium	4.0	10.0		U		P
7440-70-2	Calcium	1000	5000	28200			P
7440-43-9	Cadmium	1.0	5.0		U		P
7440-48-4	Cobalt	5.0	50.0		U		P
7440-47-3	Chromium	2.0	10.0	6.4	I		P
7440-50-8	Copper	5.0	25.0		U		P
7439-89-6	Iron	30.0	100	309			P
7440-09-7	Potassium	1000	5000	2800	I		P
7439-95-4	Magnesium	1000	5000	3440	I		P
7439-96-5	Manganese	3.0	15.0	12.5	I		P
7440-23-5	Sodium	1000	5000	3870	I		P
7440-02-0	Nickel	5.0	40.0	8.3	I		P
7440-36-0	Antimony	5.0	60.0		U		P
7440-62-2	Vanadium	5.0	50.0		U		P
7440-66-6	Zinc	10.0	20.0	15.3	I		P
7439-92-1	Lead	0.38	0.75		U		P
7782-49-2	Selenium	1.2	2.5		U		P
7440-28-0	Thallium	0.75	2.5		U		P

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

USEPA - 7470A
- 1 -
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-MW36S-001

Lab Name: Empirical Labs Contract: TetraTech NUS, Inc.

Lab Code: ELABN Case No.: SAS No.: SDG: SAUFLEYW003

Matrix: WATER Lab Sample ID: 0701028-05

Level (low/med): LOW Date Sampled: 01/05/07

% Solids: 0.0 Date Received: 01/06/07

Concentration Units (ug/L or mg/kg dry weight): ug/L

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
7439-97-6	Mercury	0.080	0.20		U		AV

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

USEPA - 9012A
- 1 -

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-MW36S-001

Lab Name: Empirical Labs Contract: TetraTech NUS, Inc.

Lab Code: ELABN Case No.: SAS No.: SDG: SAUFLEYW003

Matrix: WATER Lab Sample ID: 0701028-05

Level (low/med): LOW Date Sampled: 01/05/07

% Solids: 0.0 Date Received: 01/06/07

Concentration Units (ug/L or mg/kg dry weight): ug/L

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
57-12-5	Cyanide	5.0	10.0		U		AS

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

USEPA - 6010B
- 1 -
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-MW31S-001

Lab Name: Empirical Labs Contract: TetraTech NUS, Inc.

Lab Code: ELABN Case No.: SAS No.: SDG: SAUFLEYW003

Matrix: WATER Lab Sample ID: 0701028-06

Level (low/med): LOW Date Sampled: 01/05/07

% Solids: 0.0 Date Received: 01/06/07

Concentration Units (ug/L or mg/kg dry weight): ug/L

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
7440-22-4	Silver	1.0	10.0		U		P
7429-90-5	Aluminum	75.0	200	262			P
7440-38-2	Arsenic	3.0	10.0		U		P
7440-39-3	Barium	5.0	200	58.4	I		P
7440-41-7	Beryllium	4.0	10.0		U		P
7440-70-2	Calcium	1000	5000	17100			P
7440-43-9	Cadmium	1.0	5.0		U		P
7440-48-4	Cobalt	5.0	50.0	5.4	I		P
7440-47-3	Chromium	2.0	10.0	14.6			P
7440-50-8	Copper	5.0	25.0		U		P
7439-89-6	Iron	30.0	100	5930			P
7440-09-7	Potassium	1000	5000	2100	I		P
7439-95-4	Magnesium	1000	5000	4690	I		P
7439-96-5	Manganese	3.0	15.0	1860			P
7440-23-5	Sodium	1000	5000	3650	I		P
7440-02-0	Nickel	5.0	40.0	10.6	I		P
7440-36-0	Antimony	5.0	60.0		U		P
7440-62-2	Vanadium	5.0	50.0		U		P
7440-66-6	Zinc	10.0	20.0		U		P
7439-92-1	Lead	0.38	0.75	0.64	I		P
7782-49-2	Selenium	1.2	2.5		U		P
7440-28-0	Thallium	0.75	2.5	0.99	I		P

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

USEPA - 7470A
- 1 -
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-MW31S-001

Lab Name: Empirical Labs Contract: TetraTech NUS, Inc.

Lab Code: ELABN Case No.: SAS No.: SDG: SAUFLEYW003

Matrix: WATER Lab Sample ID: 0701028-06

Level (low/med): LOW Date Sampled: 01/05/07

% Solids: 0.0 Date Received: 01/06/07

Concentration Units (ug/L or mg/kg dry weight): ug/L

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
7439-97-6	Mercury	0.080	0.20		U		AV

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

USEPA - 9012A
- 1 -
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-MW31S-001

Lab Name: Empirical Labs Contract: TetraTech NUS, Inc.

Lab Code: ELABN Case No.: SAS No.: SDG: SAUFLEYW003

Matrix: WATER Lab Sample ID: 0701028-06

Level (low/med): LOW Date Sampled: 01/05/07

% Solids: 0.0 Date Received: 01/06/07

Concentration Units (ug/L or mg/kg dry weight): ug/L

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
57-12-5	Cyanide	5.0	10.0		U		AS

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

USEPA - 6010B

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-MW02D-001

Lab Name: Empirical Labs Contract: TetraTech NUS, Inc.

Lab Code: ELABN Case No.: SAS No.: SDG: SAUFLEYW003

Matrix: WATER Lab Sample ID: 0701033-01

Level (low/med): LOW Date Sampled: 01/06/07

% Solids: 0.0 Date Received: 01/09/07

Concentration Units (ug/L or mg/kg dry weight): ug/L

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
7440-22-4	Silver	1.0	10.0		U		P
7429-90-5	Aluminum	75.0	200	140	I		P
7440-38-2	Arsenic	3.0	10.0		U		P
7440-39-3	Barium	5.0	200	54.6	I		P
7440-41-7	Beryllium	4.0	10.0		U		P
7440-70-2	Calcium	1000	5000	2160	I		P
7440-43-9	Cadmium	1.0	5.0		U		P
7440-48-4	Cobalt	5.0	50.0	6.9	I		P
7440-47-3	Chromium	2.0	10.0	20.5			P
7440-50-8	Copper	5.0	25.0	7.7	I		P
7439-89-6	Iron	30.0	100	2810			P
7440-09-7	Potassium	1000	5000	1550	I		P
7439-95-4	Magnesium	1000	5000		U		P
7439-96-5	Manganese	3.0	15.0	78.5			P
7440-23-5	Sodium	1000	5000	5740			P
7440-02-0	Nickel	5.0	40.0	15.7	I		P
7440-36-0	Antimony	5.0	60.0		U		P
7440-62-2	Vanadium	5.0	50.0		U		P
7440-66-6	Zinc	10.0	20.0	34.5			P
7439-92-1	Lead	0.38	0.75		U		P
7782-49-2	Selenium	1.2	2.5		U		P
7440-28-0	Thallium	0.75	2.5		U		P

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

USEPA - 7470A

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-MW02D-001

Lab Name: Empirical Labs Contract: TetraTech NUS, Inc.

Lab Code: ELABN Case No.: SAS No.: SDG: SAUFLEYW003

Matrix: WATER Lab Sample ID: 0701033-01

Level (low/med): LOW Date Sampled: 01/06/07

% Solids: 0.0 Date Received: 01/09/07

Concentration Units (ug/L or mg/kg dry weight): ug/L

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
7439-97-6	Mercury	0.080	0.20		U		AV

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

USEPA - 9012A
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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-MW02D-001

Lab Name: Empirical Labs Contract: TetraTech NUS, Inc.

Lab Code: ELABN Case No.: SAS No.: SDG: SAUFLEYW003

Matrix: WATER Lab Sample ID: 0701033-01

Level (low/med): LOW Date Sampled: 01/06/07

% Solids: 0.0 Date Received: 01/09/07

Concentration Units (ug/L or mg/kg dry weight): ug/L

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
57-12-5	Cyanide	5.0	10.0		U		AS

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

USEPA - 6010B
- 1 -
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-MW01D2-001

Lab Name: Empirical Labs Contract: TetraTech NUS, Inc.

Lab Code: ELABN Case No.: SAS No.: SDG: SAUFLEYW003

Matrix: WATER Lab Sample ID: 0701033-02

Level (low/med): LOW Date Sampled: 01/06/07

% Solids: 0.0 Date Received: 01/09/07

Concentration Units (ug/L or mg/kg dry weight): ug/L

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
7440-22-4	Silver	1.0	10.0		U		P
7429-90-5	Aluminum	75.0	200	336			P
7440-38-2	Arsenic	3.0	10.0		U		P
7440-39-3	Barium	5.0	200	9.1	I		P
7440-41-7	Beryllium	4.0	10.0		U		P
7440-70-2	Calcium	1000	5000	1850	I		P
7440-43-9	Cadmium	1.0	5.0		U		P
7440-48-4	Cobalt	5.0	50.0		U		P
7440-47-3	Chromium	2.0	10.0	8.8	I		P
7440-50-8	Copper	5.0	25.0		U		P
7439-89-6	Iron	30.0	100	705			P
7440-09-7	Potassium	1000	5000		U		P
7439-95-4	Magnesium	1000	5000		U		P
7439-96-5	Manganese	3.0	15.0	54.0			P
7440-23-5	Sodium	1000	5000	9640			P
7440-02-0	Nickel	5.0	40.0	8.6	I		P
7440-36-0	Antimony	5.0	60.0		U		P
7440-62-2	Vanadium	5.0	50.0		U		P
7440-66-6	Zinc	10.0	20.0	13.3	I		P
7439-92-1	Lead	0.38	0.75	0.61	I		P
7782-49-2	Selenium	1.2	2.5		U		P
7440-28-0	Thallium	0.75	2.5		U		P

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

USEPA - 7470A
- 1 -
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-MW01D2-001

Lab Name: Empirical Labs Contract: TetraTech NUS, Inc.

Lab Code: ELABN Case No.: SAS No.: SDG: SAUFLEYW003

Matrix: WATER Lab Sample ID: 0701033-02

Level (low/med): LOW Date Sampled: 01/06/07

% Solids: 0.0 Date Received: 01/09/07

Concentration Units (ug/L or mg/kg dry weight): ug/L

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
7439-97-6	Mercury	0.080	0.20		U		AV

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

USEPA - 9012A

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-MW01D2-001

Lab Name: Empirical Labs Contract: TetraTech NUS, Inc.

Lab Code: ELABN Case No.: SAS No.: SDG: SAUFLEYW003

Matrix: WATER Lab Sample ID: 0701033-02

Level (low/med): LOW Date Sampled: 01/06/07

% Solids: 0.0 Date Received: 01/09/07

Concentration Units (ug/L or mg/kg dry weight): ug/L

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
57-12-5	Cyanide	5.0	10.0		U		AS

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

USEPA - 6010B

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-MW25S-001

Lab Name: Empirical Labs Contract: TetraTech NUS, Inc.

Lab Code: ELABN Case No.: SAS No.: SDG: SAUFLEYW003

Matrix: WATER Lab Sample ID: 0701033-03

Level (low/med): LOW Date Sampled: 01/06/07

% Solids: 0.0 Date Received: 01/09/07

Concentration Units (ug/L or mg/kg dry weight): ug/L

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
7440-22-4	Silver	1.0	10.0		U		P
7429-90-5	Aluminum	75.0	200	1440			P
7440-38-2	Arsenic	3.0	10.0	4.0	I		P
7440-39-3	Barium	5.0	200	23.4	I		P
7440-41-7	Beryllium	4.0	10.0		U		P
7440-70-2	Calcium	1000	5000	18600			P
7440-43-9	Cadmium	1.0	5.0		U		P
7440-48-4	Cobalt	5.0	50.0		U		P
7440-47-3	Chromium	2.0	10.0	81.2			P
7440-50-8	Copper	5.0	25.0	22.3	I		P
7439-89-6	Iron	30.0	100	4030			P
7440-09-7	Potassium	1000	5000	1710	I		P
7439-95-4	Magnesium	1000	5000	1340	I		P
7439-96-5	Manganese	3.0	15.0	68.7			P
7440-23-5	Sodium	1000	5000	3010	I		P
7440-02-0	Nickel	5.0	40.0	53.9			P
7440-36-0	Antimony	5.0	60.0		U		P
7440-62-2	Vanadium	5.0	50.0	5.0	I		P
7440-66-6	Zinc	10.0	20.0	25.5			P
7439-92-1	Lead	0.38	0.75	1.6			P
7782-49-2	Selenium	1.2	2.5		U		P
7440-28-0	Thallium	0.75	2.5		U		P

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

USEPA - 7470A

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-MW25S-001

Lab Name: Empirical Labs Contract: TetraTech NUS, Inc.

Lab Code: ELABN Case No.: SAS No.: SDG: SAUFLEYW003

Matrix: WATER Lab Sample ID: 0701033-03

Level (low/med): LOW Date Sampled: 01/06/07

% Solids: 0.0 Date Received: 01/09/07

Concentration Units (ug/L or mg/kg dry weight): ug/L

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
7439-97-6	Mercury	0.080	0.20		U		AV

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

USEPA - 9012A

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-MW25S-001

Lab Name: Empirical Labs Contract: TetraTech NUS, Inc.

Lab Code: ELABN Case No.: SAS No.: SDG: SAUFLEYW003

Matrix: WATER Lab Sample ID: 0701033-03

Level (low/med): LOW Date Sampled: 01/06/07

% Solids: 0.0 Date Received: 01/09/07

Concentration Units (ug/L or mg/kg dry weight): ug/L

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
57-12-5	Cyanide	5.0	10.0		U		AS

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

USEPA - 6010B

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-MW09S-001

Lab Name: Empirical Labs Contract: TetraTech NUS, Inc.

Lab Code: ELABN Case No.: SAS No.: SDG: SAUFLEYW003

Matrix: WATER Lab Sample ID: 0701033-04

Level (low/med): LOW Date Sampled: 01/06/07

% Solids: 0.0 Date Received: 01/09/07

Concentration Units (ug/L or mg/kg dry weight): ug/L

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
7440-22-4	Silver	1.0	10.0		U		P
7429-90-5	Aluminum	75.0	200		U		P
7440-38-2	Arsenic	3.0	10.0		U		P
7440-39-3	Barium	5.0	200	93.0	I		P
7440-41-7	Beryllium	4.0	10.0		U		P
7440-70-2	Calcium	1000	5000	6770			P
7440-43-9	Cadmium	1.0	5.0		U		P
7440-48-4	Cobalt	5.0	50.0		U		P
7440-47-3	Chromium	2.0	10.0	14.8			P
7440-50-8	Copper	5.0	25.0		U		P
7439-89-6	Iron	30.0	100	8530			P
7440-09-7	Potassium	1000	5000	1580	I		P
7439-95-4	Magnesium	1000	5000	5500			P
7439-96-5	Manganese	3.0	15.0	847			P
7440-23-5	Sodium	1000	5000	4640	I		P
7440-02-0	Nickel	5.0	40.0	11.6	I		P
7440-36-0	Antimony	5.0	60.0		U		P
7440-62-2	Vanadium	5.0	50.0		U		P
7440-66-6	Zinc	10.0	20.0	13.4	I		P
7439-92-1	Lead	0.38	0.75		U		P
7782-49-2	Selenium	1.2	2.5		U		P
7440-28-0	Thallium	0.75	2.5		U		P

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

USEPA - 7470A
- 1 -
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-MW09S-001

Lab Name: Empirical Labs Contract: TetraTech NUS, Inc.

Lab Code: ELABN Case No.: SAS No.: SDG: SAUFLEYW003

Matrix: WATER Lab Sample ID: 0701033-04

Level (low/med): LOW Date Sampled: 01/06/07

% Solids: 0.0 Date Received: 01/09/07

Concentration Units (ug/L or mg/kg dry weight): ug/L

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
7439-97-6	Mercury	0.080	0.20		U		AV

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

USEPA - 9012A

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-MW09S-001

Lab Name: Empirical Labs Contract: TetraTech NUS, Inc.

Lab Code: ELABN Case No.: SAS No.: SDG: SAUFLEYW003

Matrix: WATER Lab Sample ID: 0701033-04

Level (low/med): LOW Date Sampled: 01/06/07

% Solids: 0.0 Date Received: 01/09/07

Concentration Units (ug/L or mg/kg dry weight): ug/L

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
57-12-5	Cyanide	5.0	10.0		U		AS

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

USEPA - 6010B
- 1 -
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-MW24S-001

Lab Name: Empirical Labs Contract: TetraTech NUS, Inc.

Lab Code: ELABN Case No.: SAS No.: SDG: SAUFLEYW003

Matrix: WATER Lab Sample ID: 0701033-05

Level (low/med): LOW Date Sampled: 01/06/07

% Solids: 0.0 Date Received: 01/09/07

Concentration Units (ug/L or mg/kg dry weight): ug/L

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
7440-22-4	Silver	1.0	10.0		U		P
7429-90-5	Aluminum	75.0	200	204			P
7440-38-2	Arsenic	3.0	10.0		U		P
7440-39-3	Barium	5.0	200	12.4	I		P
7440-41-7	Beryllium	4.0	10.0		U		P
7440-70-2	Calcium	1000	5000	6410			P
7440-43-9	Cadmium	1.0	5.0		U		P
7440-48-4	Cobalt	5.0	50.0		U		P
7440-47-3	Chromium	2.0	10.0	40.7			P
7440-50-8	Copper	5.0	25.0	5.9	I		P
7439-89-6	Iron	30.0	100	592			P
7440-09-7	Potassium	1000	5000	2020	I		P
7439-95-4	Magnesium	1000	5000		U		P
7439-96-5	Manganese	3.0	15.0	98.0			P
7440-23-5	Sodium	1000	5000	3110	I		P
7440-02-0	Nickel	5.0	40.0	32.4	I		P
7440-36-0	Antimony	5.0	60.0		U		P
7440-62-2	Vanadium	5.0	50.0		U		P
7440-66-6	Zinc	10.0	20.0	37.9			P
7439-92-1	Lead	0.38	0.75	0.39	I		P
7782-49-2	Selenium	1.2	2.5		U		P
7440-28-0	Thallium	0.75	2.5		U		P

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

USEPA - 7470A

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-MW24S-001

Lab Name: Empirical Labs Contract: TetraTech NUS, Inc.

Lab Code: ELABN Case No.: SAS No.: SDG: SAUFLEYW003

Matrix: WATER Lab Sample ID: 0701033-05

Level (low/med): LOW Date Sampled: 01/06/07

% Solids: 0.0 Date Received: 01/09/07

Concentration Units (ug/L or mg/kg dry weight): ug/L

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
7439-97-6	Mercury	0.080	0.20		U		AV

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

USEPA - 9012A

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-MW24S-001

Lab Name: Empirical Labs Contract: TetraTech NUS, Inc.

Lab Code: ELABN Case No.: SAS No.: SDG: SAUFLEYW003

Matrix: WATER Lab Sample ID: 0701033-05

Level (low/med): LOW Date Sampled: 01/06/07

% Solids: 0.0 Date Received: 01/09/07

Concentration Units (ug/L or mg/kg dry weight): ug/L

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
57-12-5	Cyanide	5.0	10.0		U		AS

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

USEPA - 6010B
- 1 -
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-MW27S-001

Lab Name: Empirical Labs Contract: TetraTech NUS, Inc.

Lab Code: ELABN Case No.: SAS No.: SDG: SAUFLEYW003

Matrix: WATER Lab Sample ID: 0701033-06

Level (low/med): LOW Date Sampled: 01/07/07

% Solids: 0.0 Date Received: 01/09/07

Concentration Units (ug/L or mg/kg dry weight): ug/L

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
7440-22-4	Silver	1.0	10.0		U		P
7429-90-5	Aluminum	75.0	200	188	I		P
7440-38-2	Arsenic	3.0	10.0		U		P
7440-39-3	Barium	5.0	200	41.4	I		P
7440-41-7	Beryllium	4.0	10.0		U		P
7440-70-2	Calcium	1000	5000	13200			P
7440-43-9	Cadmium	1.0	5.0		U		P
7440-48-4	Cobalt	5.0	50.0		U		P
7440-47-3	Chromium	2.0	10.0	28.7			P
7440-50-8	Copper	5.0	25.0	13.6	I		P
7439-89-6	Iron	30.0	100	470			P
7440-09-7	Potassium	1000	5000	1740	I		P
7439-95-4	Magnesium	1000	5000	2260	I		P
7439-96-5	Manganese	3.0	15.0	17.1			P
7440-23-5	Sodium	1000	5000	2830	I		P
7440-02-0	Nickel	5.0	40.0	20.6	I		P
7440-36-0	Antimony	5.0	60.0		U		P
7440-62-2	Vanadium	5.0	50.0		U		P
7440-66-6	Zinc	10.0	20.0	36.4			P
7439-92-1	Lead	0.38	0.75	0.68	I		P
7782-49-2	Selenium	1.2	2.5		U		P
7440-28-0	Thallium	0.75	2.5		U		P

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

USEPA - 7470A

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-MW27S-001

Lab Name: Empirical Labs Contract: TetraTech NUS, Inc.

Lab Code: ELABN Case No.: SAS No.: SDG: SAUFLEYW003

Matrix: WATER Lab Sample ID: 0701033-06

Level (low/med): LOW Date Sampled: 01/07/07

% Solids: 0.0 Date Received: 01/09/07

Concentration Units (ug/L or mg/kg dry weight): ug/L

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
7439-97-6	Mercury	0.080	0.20		U		AV

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

USEPA - 9012A

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-MW27S-001

Lab Name: Empirical Labs Contract: TetraTech NUS, Inc.

Lab Code: ELABN Case No.: SAS No.: SDG: SAUFLEYW003

Matrix: WATER Lab Sample ID: 0701033-06

Level (low/med): LOW Date Sampled: 01/07/07

% Solids: 0.0 Date Received: 01/09/07

Concentration Units (ug/L or mg/kg dry weight): ug/L

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
57-12-5	Cyanide	5.0	10.0		U		AS

Color Before: Clarity Before: Texture:

Color After: Clarity After: Artifacts:

Comments:

USEPA - 6010B
- 1 -
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-MW21S-001

Lab Name: Empirical Labs Contract: TetraTech NUS, Inc.

Lab Code: ELABN Case No.: SAS No.: SDG: SAUFLEYW003

Matrix: WATER Lab Sample ID: 0701033-07

Level (low/med): LOW Date Sampled: 01/07/07

% Solids: 0.0 Date Received: 01/09/07

Concentration Units (ug/L or mg/kg dry weight): ug/L

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
7440-22-4	Silver	1.0	10.0		U		P
7429-90-5	Aluminum	75.0	200	333			P
7440-38-2	Arsenic	3.0	10.0		U		P
7440-39-3	Barium	5.0	200	22.8	I		P
7440-41-7	Beryllium	4.0	10.0		U		P
7440-70-2	Calcium	1000	5000	7130			P
7440-43-9	Cadmium	1.0	5.0		U		P
7440-48-4	Cobalt	5.0	50.0		U		P
7440-47-3	Chromium	2.0	10.0	38.6			P
7440-50-8	Copper	5.0	25.0	14.8	I		P
7439-89-6	Iron	30.0	100	351			P
7440-09-7	Potassium	1000	5000	1370	I		P
7439-95-4	Magnesium	1000	5000	1840	I		P
7439-96-5	Manganese	3.0	15.0	283			P
7440-23-5	Sodium	1000	5000	3890	I		P
7440-02-0	Nickel	5.0	40.0	35.4	I		P
7440-36-0	Antimony	5.0	60.0		U		P
7440-62-2	Vanadium	5.0	50.0		U		P
7440-66-6	Zinc	10.0	20.0	89.3			P
7439-92-1	Lead	0.38	0.75	1.3			P
7782-49-2	Selenium	1.2	2.5		U		P
7440-28-0	Thallium	0.75	2.5		U		P

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

USEPA - 7470A

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-MW21S-001

Lab Name: Empirical Labs Contract: TetraTech NUS, Inc.

Lab Code: ELABN Case No.: SAS No.: SDG: SAUFLEYW003

Matrix: WATER Lab Sample ID: 0701033-07

Level (low/med): LOW Date Sampled: 01/07/07

% Solids: 0.0 Date Received: 01/09/07

Concentration Units (ug/L or mg/kg dry weight): ug/L

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
7439-97-6	Mercury	0.080	0.20		U		AV

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

USEPA - 9012A
- 1 -
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-MW21S-001

Lab Name: Empirical Labs Contract: TetraTech NUS, Inc.

Lab Code: ELABN Case No.: SAS No.: SDG: SAUFLEYW003

Matrix: WATER Lab Sample ID: 0701033-07

Level (low/med): LOW Date Sampled: 01/07/07

% Solids: 0.0 Date Received: 01/09/07

Concentration Units (ug/L or mg/kg dry weight): ug/L

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
57-12-5	Cyanide	5.0	10.0		U		AS

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

USEPA - 6010B

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-MW14D-001

Lab Name: Empirical Labs Contract: TetraTech NUS, Inc.

Lab Code: ELABN Case No.: SAS No.: SDG: SAUFLEYW003

Matrix: WATER Lab Sample ID: 0701033-08

Level (low/med): LOW Date Sampled: 01/08/07

% Solids: 0.0 Date Received: 01/09/07

Concentration Units (ug/L or mg/kg dry weight): ug/L

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
7440-22-4	Silver	1.0	10.0		U		P
7429-90-5	Aluminum	75.0	200		U		P
7440-38-2	Arsenic	3.0	10.0		U		P
7440-39-3	Barium	5.0	200	24.8	I		P
7440-41-7	Beryllium	4.0	10.0		U		P
7440-70-2	Calcium	1000	5000	1320	I		P
7440-43-9	Cadmium	1.0	5.0		U		P
7440-48-4	Cobalt	5.0	50.0	8.1	I		P
7440-47-3	Chromium	2.0	10.0	5.7	I		P
7440-50-8	Copper	5.0	25.0		U		P
7439-89-6	Iron	30.0	100	664			P
7440-09-7	Potassium	1000	5000		U		P
7439-95-4	Magnesium	1000	5000	1090	I		P
7439-96-5	Manganese	3.0	15.0	67.2			P
7440-23-5	Sodium	1000	5000	7940			P
7440-02-0	Nickel	5.0	40.0	8.2	I		P
7440-36-0	Antimony	5.0	60.0		U		P
7440-62-2	Vanadium	5.0	50.0		U		P
7440-66-6	Zinc	10.0	20.0	13.5	I		P
7439-92-1	Lead	0.38	0.75		U		P
7782-49-2	Selenium	1.2	2.5		U		P
7440-28-0	Thallium	0.75	2.5		U		P

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

USEPA - 7470A

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-MW14D-001

Lab Name: Empirical Labs Contract: TetraTech NUS, Inc.

Lab Code: ELABN Case No.: SAS No.: SDG: SAUFLEYW003

Matrix: WATER Lab Sample ID: 0701033-08

Level (low/med): LOW Date Sampled: 01/08/07

% Solids: 0.0 Date Received: 01/09/07

Concentration Units (ug/L or mg/kg dry weight): ug/L

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
7439-97-6	Mercury	0.080	0.20		U		AV

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

USEPA - 9012A

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-MW14D-001

Lab Name: Empirical Labs Contract: TetraTech NUS, Inc.

Lab Code: ELABN Case No.: SAS No.: SDG: SAUFLEYW003

Matrix: WATER Lab Sample ID: 0701033-08

Level (low/med): LOW Date Sampled: 01/08/07

% Solids: 0.0 Date Received: 01/09/07

Concentration Units (ug/L or mg/kg dry weight): ug/L

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
57-12-5	Cyanide	5.0	10.0		U		AS

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

USEPA - 6010B
- 1 -
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-MW35S-001

Lab Name: Empirical Labs Contract: TetraTech NUS, Inc.

Lab Code: ELABN Case No.: SAS No.: SDG: SAUFLEYW003

Matrix: WATER Lab Sample ID: 0701033-09

Level (low/med): LOW Date Sampled: 01/08/07

% Solids: 0.0 Date Received: 01/09/07

Concentration Units (ug/L or mg/kg dry weight): ug/L

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
7440-22-4	Silver	1.0	10.0		U		P
7429-90-5	Aluminum	75.0	200	197	I		P
7440-38-2	Arsenic	3.0	10.0		U		P
7440-39-3	Barium	5.0	200	13.3	I		P
7440-41-7	Beryllium	4.0	10.0		U		P
7440-70-2	Calcium	1000	5000	18500			P
7440-43-9	Cadmium	1.0	5.0		U		P
7440-48-4	Cobalt	5.0	50.0		U		P
7440-47-3	Chromium	2.0	10.0	14.6			P
7440-50-8	Copper	5.0	25.0	5.1	I		P
7439-89-6	Iron	30.0	100	765			P
7440-09-7	Potassium	1000	5000		U		P
7439-95-4	Magnesium	1000	5000	1800	I		P
7439-96-5	Manganese	3.0	15.0	98.7			P
7440-23-5	Sodium	1000	5000	2640	I		P
7440-02-0	Nickel	5.0	40.0	15.7	I		P
7440-36-0	Antimony	5.0	60.0		U		P
7440-62-2	Vanadium	5.0	50.0		U		P
7440-66-6	Zinc	10.0	20.0	12.5	I		P
7439-92-1	Lead	0.38	0.75		U		P
7782-49-2	Selenium	1.2	2.5		U		P
7440-28-0	Thallium	0.75	2.5	0.82	I		P

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

USEPA - 7470A

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-MW35S-001

Lab Name: Empirical Labs Contract: TetraTech NUS, Inc.

Lab Code: ELABN Case No.: SAS No.: SDG: SAUFLEYW003

Matrix: WATER Lab Sample ID: 0701033-09

Level (low/med): LOW Date Sampled: 01/08/07

% Solids: 0.0 Date Received: 01/09/07

Concentration Units (ug/L or mg/kg dry weight): ug/L

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
7439-97-6	Mercury	0.080	0.20		U		AV

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

USEPA - 9012A
- 1 -

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-MW35S-001

Lab Name: Empirical Labs Contract: TetraTech NUS, Inc.

Lab Code: ELABN Case No.: SAS No.: SDG: SAUFLEYW003

Matrix: WATER Lab Sample ID: 0701033-09

Level (low/med): LOW Date Sampled: 01/08/07

% Solids: 0.0 Date Received: 01/09/07

Concentration Units (ug/L or mg/kg dry weight): ug/L

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
57-12-5	Cyanide	5.0	10.0		U		AS

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

USEPA - 6010B

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-MW35S-001-D

Lab Name: Empirical Labs Contract: TetraTech NUS, Inc.

Lab Code: ELABN Case No.: SAS No.: SDG: SAUFLEYW003

Matrix: WATER Lab Sample ID: 0701033-10

Level (low/med): LOW Date Sampled: 01/08/07

% Solids: 0.0 Date Received: 01/09/07

Concentration Units (ug/L or mg/kg dry weight): ug/L

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
7440-22-4	Silver	1.0	10.0		U		P
7429-90-5	Aluminum	75.0	200	226			P
7440-38-2	Arsenic	3.0	10.0		U		P
7440-39-3	Barium	5.0	200	13.2	I		P
7440-41-7	Beryllium	4.0	10.0		U		P
7440-70-2	Calcium	1000	5000	18600			P
7440-43-9	Cadmium	1.0	5.0		U		P
7440-48-4	Cobalt	5.0	50.0		U		P
7440-47-3	Chromium	2.0	10.0	15.9			P
7440-50-8	Copper	5.0	25.0		U		P
7439-89-6	Iron	30.0	100	819			P
7440-09-7	Potassium	1000	5000		U		P
7439-95-4	Magnesium	1000	5000	1790	I		P
7439-96-5	Manganese	3.0	15.0	97.6			P
7440-23-5	Sodium	1000	5000	2600	I		P
7440-02-0	Nickel	5.0	40.0	15.6	I		P
7440-36-0	Antimony	5.0	60.0		U		P
7440-62-2	Vanadium	5.0	50.0		U		P
7440-66-6	Zinc	10.0	20.0	12.9	I		P
7439-92-1	Lead	0.38	0.75		U		P
7782-49-2	Selenium	1.2	2.5	1.3	I		P
7440-28-0	Thallium	0.75	2.5		U		P

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

USEPA - 7470A

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-MW35S-001-D

Lab Name: Empirical Labs Contract: TetraTech NUS, Inc.

Lab Code: ELABN Case No.: SAS No.: SDG: SAUFLEYW003

Matrix: WATER Lab Sample ID: 0701033-10

Level (low/med): LOW Date Sampled: 01/08/07

% Solids: 0.0 Date Received: 01/09/07

Concentration Units (ug/L or mg/kg dry weight): ug/L

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
7439-97-6	Mercury	0.080	0.20		U		AV

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

USEPA - 9012A

- 1 -

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-MW35S-001-D

Lab Name: Empirical Labs Contract: TetraTech NUS, Inc.

Lab Code: ELABN Case No.: SAS No.: SDG: SAUFLEYW003

Matrix: WATER Lab Sample ID: 0701033-10

Level (low/med): LOW Date Sampled: 01/08/07

% Solids: 0.0 Date Received: 01/09/07

Concentration Units (ug/L or mg/kg dry weight): ug/L

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
57-12-5	Cyanide	5.0	10.0		U		AS

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

USEPA - 6010B

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-MW34S-001

Lab Name: Empirical Labs Contract: TetraTech NUS, Inc.

Lab Code: ELABN Case No.: SAS No.: SDG: SAUFLEYW003

Matrix: WATER Lab Sample ID: 0701033-11

Level (low/med): LOW Date Sampled: 01/08/07

% Solids: 0.0 Date Received: 01/09/07

Concentration Units (ug/L or mg/kg dry weight): ug/L

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
7440-22-4	Silver	1.0	10.0		U		P
7429-90-5	Aluminum	75.0	200	245			P
7440-38-2	Arsenic	3.0	10.0		U		P
7440-39-3	Barium	5.0	200	18.9	I		P
7440-41-7	Beryllium	4.0	10.0		U		P
7440-70-2	Calcium	1000	5000	22300			P
7440-43-9	Cadmium	1.0	5.0		U		P
7440-48-4	Cobalt	5.0	50.0	9.8	I		P
7440-47-3	Chromium	2.0	10.0	18.0			P
7440-50-8	Copper	5.0	25.0		U		P
7439-89-6	Iron	30.0	100	3610			P
7440-09-7	Potassium	1000	5000	1370	I		P
7439-95-4	Magnesium	1000	5000	2400	I		P
7439-96-5	Manganese	3.0	15.0	795			P
7440-23-5	Sodium	1000	5000	4020	I		P
7440-02-0	Nickel	5.0	40.0	13.2	I		P
7440-36-0	Antimony	5.0	60.0		U		P
7440-62-2	Vanadium	5.0	50.0		U		P
7440-66-6	Zinc	10.0	20.0	33.7			P
7439-92-1	Lead	0.38	0.75	0.59	I		P
7782-49-2	Selenium	1.2	2.5		U		P
7440-28-0	Thallium	0.75	2.5		U		P

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

USEPA - 7470A
- 1 -
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-MW34S-001

Lab Name: Empirical Labs Contract: TetraTech NUS, Inc.

Lab Code: ELABN Case No.: SAS No.: SDG: SAUFLEYW003

Matrix: WATER Lab Sample ID: 0701033-11

Level (low/med): LOW Date Sampled: 01/08/07

% Solids: 0.0 Date Received: 01/09/07

Concentration Units (ug/L or mg/kg dry weight): ug/L

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
7439-97-6	Mercury	0.080	0.20		U		AV

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

USEPA - 9012A
- 1 -
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-MW34S-001

Lab Name: Empirical Labs Contract: TetraTech NUS, Inc.

Lab Code: ELABN Case No.: SAS No.: SDG: SAUFLEYW003

Matrix: WATER Lab Sample ID: 0701033-11

Level (low/med): LOW Date Sampled: 01/08/07

% Solids: 0.0 Date Received: 01/09/07

Concentration Units (ug/L or mg/kg dry weight): ug/L

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
57-12-5	Cyanide	5.0	10.0		U		AS

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

USEPA - 6010B
- 1 -
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-MW28S-001

Lab Name: Empirical Labs Contract: TetraTech NUS, Inc.

Lab Code: ELABN Case No.: SAS No.: SDG: SAUFLEYW003

Matrix: WATER Lab Sample ID: 0701033-12

Level (low/med): LOW Date Sampled: 01/08/07

% Solids: 0.0 Date Received: 01/09/07

Concentration Units (ug/L or mg/kg dry weight): ug/L

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
7439-92-1	Lead	0.38	0.75	0.39	I		P
7782-49-2	Selenium	1.2	2.5		U		P
7440-28-0	Thallium	0.75	2.5		U		P
7440-38-2	Arsenic	3.0	10.0		U		P
7440-39-3	Barium	5.0	200	46.9	I		P
7440-43-9	Cadmium	1.0	5.0		U		P
7440-48-4	Cobalt	5.0	50.0		U		P
7440-47-3	Chromium	2.0	10.0	6.8	I		P
7439-89-6	Iron	30.0	100	2750			P
7439-95-4	Magnesium	1000	5000	6470			P
7439-96-5	Manganese	3.0	15.0	342			P
7440-02-0	Nickel	5.0	40.0	6.2	I		P
7440-36-0	Antimony	5.0	60.0		U		P
7440-62-2	Vanadium	5.0	50.0		U		P
7440-66-6	Zinc	10.0	20.0	14.7	I		P
7429-90-5	Aluminum	75.0	200	109	I		P
7440-22-4	Silver	1.0	10.0		U		P
7440-41-7	Beryllium	4.0	10.0		U		P
7440-70-2	Calcium	1000	5000	50500			P
7440-50-8	Copper	5.0	25.0		U		P
7440-09-7	Potassium	1000	5000	4920	I		P
7440-23-5	Sodium	1000	5000	7100			P

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

USEPA - 7470A

- 1 -

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-MW28S-001

Lab Name: Empirical Labs Contract: TetraTech NUS, Inc.

Lab Code: ELABN Case No.: SAS No.: SDG: SAUFLEYW003

Matrix: WATER Lab Sample ID: 0701033-12

Level (low/med): LOW Date Sampled: 01/08/07

% Solids: 0.0 Date Received: 01/09/07

Concentration Units (ug/L or mg/kg dry weight): ug/L

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
7439-97-6	Mercury	0.080	0.20		U		AV

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

USEPA - 9012A

- 1 -

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-MW28S-001

Lab Name: Empirical Labs Contract: TetraTech NUS, Inc.

Lab Code: ELABN Case No.: SAS No.: SDG: SAUFLEYW003

Matrix: WATER Lab Sample ID: 0701033-12

Level (low/med): LOW Date Sampled: 01/08/07

% Solids: 0.0 Date Received: 01/09/07

Concentration Units (ug/L or mg/kg dry weight): ug/L

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
57-12-5	Cyanide	5.0	10.0		U		AS

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW15S-001

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW003

Matrix: (soil/water) WATER Lab Sample ID: 0701021-01

Sample wt/vol: 875.0 (g/mL) ML Lab File ID: 0102101

% Moisture: _____ decanted: (Y/N)___ Date Sampled: 01/04/07 10:45

Extraction: (SepF/Cont/Sonc/Soxh) SEPF Date Extracted:01/08/07

Concentrated Extract Volume: 500.0(uL) Date Analyzed: 01/09/07 12:23

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
83-32-9	Acenaphthene	0.011	0.057		U
208-96-8	Acenaphthylene	0.0097	0.057		U
120-12-7	Anthracene	0.011	0.057		U
56-55-3	Benzo(a)anthracene	0.012	0.057		U
205-99-2	Benzo(b)fluoranthene	0.018	0.057		U
207-08-9	Benzo(k)fluoranthene	0.015	0.057		U
191-24-2	Benzo(g,h,i)perylene	0.015	0.057		U
50-32-8	Benzo(a)pyrene	0.011	0.057		U
218-01-9	Chrysene	0.010	0.057		U
53-70-3	Dibenz(a,h)anthracene	0.014	0.057		U
206-44-0	Fluoranthene	0.013	0.057		U
86-73-7	Fluorene	0.014	0.057		U
193-39-5	Indeno(1,2,3-cd)pyrene	0.020	0.057		U
91-57-6	2-Methylnaphthalene	0.018	0.057		U
90-12-0	1-Methylnaphthalene	0.011	0.057		U
91-20-3	Naphthalene	0.022	0.057		U
85-01-8	Phenanthrene	0.016	0.057		U
129-00-0	Pyrene	0.012	0.057		U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW04D-001

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW003

Matrix: (soil/water) WATER Lab Sample ID: 0701021-02

Sample wt/vol: 980.0 (g/mL) ML Lab File ID: 0102102

% Moisture: _____ decanted: (Y/N)___ Date Sampled: 01/04/07 10:45

Extraction: (SepF/Cont/Sonc/Soxh) SEPF Date Extracted:01/08/07

Concentrated Extract Volume: 500.0(uL) Date Analyzed: 01/09/07 13:02

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
83-32-9	Acenaphthene	0.010	0.051		U
208-96-8	Acenaphthylene	0.0087	0.051		U
120-12-7	Anthracene	0.0097	0.051		U
56-55-3	Benzo(a)anthracene	0.011	0.051		U
205-99-2	Benzo(b)fluoranthene	0.016	0.051		U
207-08-9	Benzo(k)fluoranthene	0.013	0.051		U
191-24-2	Benzo(g,h,i)perylene	0.013	0.051		U
50-32-8	Benzo(a)pyrene	0.0097	0.051		U
218-01-9	Chrysene	0.0092	0.051		U
53-70-3	Dibenz(a,h)anthracene	0.012	0.051		U
206-44-0	Fluoranthene	0.012	0.051		U
86-73-7	Fluorene	0.013	0.051		U
193-39-5	Indeno(1,2,3-cd)pyrene	0.018	0.051		U
91-57-6	2-Methylnaphthalene	0.016	0.051		U
90-12-0	1-Methylnaphthalene	0.010	0.051		U
91-20-3	Naphthalene	0.019	0.051		U
85-01-8	Phenanthrene	0.014	0.051		U
129-00-0	Pyrene	0.011	0.051		U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW30S-001

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW003

Matrix: (soil/water) WATER Lab Sample ID: 0701021-04

Sample wt/vol: 920.0 (g/mL) ML Lab File ID: 0102104

% Moisture: _____ decanted: (Y/N)___ Date Sampled: 01/04/07 16:00

Extraction: (SepF/Cont/Sonc/Soxh) SEPF Date Extracted:01/08/07

Concentrated Extract Volume: 500.0(uL) Date Analyzed: 01/09/07 15:42

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
83-32-9	Acenaphthene	0.011	0.054		U
208-96-8	Acenaphthylene	0.0092	0.054		U
120-12-7	Anthracene	0.010	0.054		U
56-55-3	Benzo(a)anthracene	0.011	0.054		U
205-99-2	Benzo(b)fluoranthene	0.017	0.054		U
207-08-9	Benzo(k)fluoranthene	0.014	0.054		U
191-24-2	Benzo(g,h,i)perylene	0.014	0.054		U
50-32-8	Benzo(a)pyrene	0.010	0.054		U
218-01-9	Chrysene	0.0098	0.054		U
53-70-3	Dibenz(a,h)anthracene	0.013	0.054		U
206-44-0	Fluoranthene	0.012	0.054	0.046	I
86-73-7	Fluorene	0.014	0.054		U
193-39-5	Indeno(1,2,3-cd)pyrene	0.020	0.054		U
91-57-6	2-Methylnaphthalene	0.017	0.054	2.6	
90-12-0	1-Methylnaphthalene	0.011	0.054	1.3	
91-20-3	Naphthalene	0.021	0.054		U
85-01-8	Phenanthrene	0.015	0.054	0.038	I
129-00-0	Pyrene	0.011	0.054	0.040	I

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW33S-001

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW003

Matrix: (soil/water) WATER Lab Sample ID: 0701021-05

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 0102105

% Moisture: _____ decanted: (Y/N)___ Date Sampled: 01/04/07 16:05

Extraction: (SepF/Cont/Sonc/Soxh) SEPF Date Extracted:01/08/07

Concentrated Extract Volume: 500.0(uL) Date Analyzed: 01/09/07 16:37

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
83-32-9	Acenaphthene	0.010	0.050		U
208-96-8	Acenaphthylene	0.0085	0.050		U
120-12-7	Anthracene	0.0095	0.050		U
56-55-3	Benzo(a)anthracene	0.010	0.050		U
205-99-2	Benzo(b)fluoranthene	0.016	0.050		U
207-08-9	Benzo(k)fluoranthene	0.013	0.050		U
191-24-2	Benzo(g,h,i)perylene	0.013	0.050		U
50-32-8	Benzo(a)pyrene	0.0095	0.050		U
218-01-9	Chrysene	0.0090	0.050		U
53-70-3	Dibenz(a,h)anthracene	0.012	0.050		U
206-44-0	Fluoranthene	0.012	0.050		U
86-73-7	Fluorene	0.012	0.050		U
193-39-5	Indeno(1,2,3-cd)pyrene	0.018	0.050		U
91-57-6	2-Methylnaphthalene	0.016	0.050		U
90-12-0	1-Methylnaphthalene	0.010	0.050		U
91-20-3	Naphthalene	0.019	0.050		U
85-01-8	Phenanthrene	0.014	0.050		U
129-00-0	Pyrene	0.010	0.050		U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW29D-001

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW003

Matrix: (soil/water) WATER Lab Sample ID: 0701028-01

Sample wt/vol: 960.0 (g/mL) ML Lab File ID: 0102801

% Moisture: _____ decanted: (Y/N)___ Date Sampled: 01/05/07 11:45

Extraction: (SepF/Cont/Sonc/Soxh) SEPF Date Extracted:01/10/07

Concentrated Extract Volume: 500.0(uL) Date Analyzed: 01/11/07 18:46

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
83-32-9	Acenaphthene	0.010	0.052		U
208-96-8	Acenaphthylene	0.0088	0.052		U
120-12-7	Anthracene	0.0099	0.052		U
56-55-3	Benzo(a)anthracene	0.011	0.052		U
205-99-2	Benzo(b)fluoranthene	0.017	0.052		U
207-08-9	Benzo(k)fluoranthene	0.014	0.052		U
191-24-2	Benzo(g,h,i)perylene	0.014	0.052		U
50-32-8	Benzo(a)pyrene	0.0099	0.052		U
218-01-9	Chrysene	0.0094	0.052		U
53-70-3	Dibenz(a,h)anthracene	0.012	0.052		U
206-44-0	Fluoranthene	0.012	0.052		U
86-73-7	Fluorene	0.013	0.052		U
193-39-5	Indeno(1,2,3-cd)pyrene	0.019	0.052		U
91-57-6	2-Methylnaphthalene	0.017	0.052		U
90-12-0	1-Methylnaphthalene	0.010	0.052		U
91-20-3	Naphthalene	0.020	0.052	0.056	
85-01-8	Phenanthrene	0.014	0.052		U
129-00-0	Pyrene	0.011	0.052		U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW32S-001

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW003

Matrix: (soil/water) WATER Lab Sample ID: 0701028-02

Sample wt/vol: 920.0 (g/mL) ML Lab File ID: 0102802

% Moisture: _____ decanted: (Y/N)___ Date Sampled: 01/05/07 11:10

Extraction: (SepF/Cont/Sonc/Soxh) SEPF Date Extracted:01/10/07

Concentrated Extract Volume: 500.0(uL) Date Analyzed: 01/11/07 22:03

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
83-32-9	Acenaphthene	0.011	0.054	0.014	I
208-96-8	Acenaphthylene	0.0092	0.054		U
120-12-7	Anthracene	0.010	0.054		U
56-55-3	Benzo(a)anthracene	0.011	0.054		U
205-99-2	Benzo(b)fluoranthene	0.017	0.054		U
207-08-9	Benzo(k)fluoranthene	0.014	0.054		U
191-24-2	Benzo(g,h,i)perylene	0.014	0.054		U
50-32-8	Benzo(a)pyrene	0.010	0.054		U
218-01-9	Chrysene	0.0098	0.054		U
53-70-3	Dibenz(a,h)anthracene	0.013	0.054		U
206-44-0	Fluoranthene	0.012	0.054	0.028	I
86-73-7	Fluorene	0.014	0.054	0.015	I
193-39-5	Indeno(1,2,3-cd)pyrene	0.020	0.054		U
91-57-6	2-Methylnaphthalene	0.017	0.054	2.5	
90-12-0	1-Methylnaphthalene	0.011	0.054	1.1	
91-20-3	Naphthalene	0.021	0.054	51	L
85-01-8	Phenanthrene	0.015	0.054	0.037	I
129-00-0	Pyrene	0.011	0.054		U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW32S-001

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW003

Matrix: (soil/water) WATER Lab Sample ID: 0701028-02

Sample wt/vol: 920.0 (g/mL) ML Lab File ID: 0102802D

% Moisture: _____ decanted: (Y/N)___ Date Sampled: 01/05/07 11:10

Extraction: (SepF/Cont/Sonc/Soxh) SEPF Date Extracted:01/10/07

Concentrated Extract Volume: 500.0(uL) Date Analyzed: 01/11/07 20:45

Injection Volume: 2.0(uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
83-32-9	Acenaphthene	0.11	0.54		UD
208-96-8	Acenaphthylene	0.092	0.54		UD
120-12-7	Anthracene	0.10	0.54		UD
56-55-3	Benzo(a)anthracene	0.11	0.54		UD
205-99-2	Benzo(b)fluoranthene	0.17	0.54		UD
207-08-9	Benzo(k)fluoranthene	0.14	0.54		UD
191-24-2	Benzo(g,h,i)perylene	0.14	0.54		UD
50-32-8	Benzo(a)pyrene	0.10	0.54		UD
218-01-9	Chrysene	0.098	0.54		UD
53-70-3	Dibenz(a,h)anthracene	0.13	0.54		UD
206-44-0	Fluoranthene	0.12	0.54		UD
86-73-7	Fluorene	0.14	0.54		UD
193-39-5	Indeno(1,2,3-cd)pyrene	0.20	0.54		UD
91-57-6	2-Methylnaphthalene	0.17	0.54	3.2	D
90-12-0	1-Methylnaphthalene	0.11	0.54	1.4	D
91-20-3	Naphthalene	0.21	0.54	79	D
85-01-8	Phenanthrene	0.15	0.54		UD
129-00-0	Pyrene	0.11	0.54		UD

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW26D-001

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW003

Matrix: (soil/water) WATER Lab Sample ID: 0701028-04

Sample wt/vol: 960.0 (g/mL) ML Lab File ID: 0102804

% Moisture: _____ decanted: (Y/N)___ Date Sampled: 01/05/07 16:20

Extraction: (SepF/Cont/Sonc/Soxh) SEPF Date Extracted:01/10/07

Concentrated Extract Volume: 500.0(uL) Date Analyzed: 01/11/07 19:26

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
83-32-9	Acenaphthene	0.010	0.052		U
208-96-8	Acenaphthylene	0.0088	0.052		U
120-12-7	Anthracene	0.0099	0.052		U
56-55-3	Benzo(a)anthracene	0.011	0.052		U
205-99-2	Benzo(b)fluoranthene	0.017	0.052		U
207-08-9	Benzo(k)fluoranthene	0.014	0.052		U
191-24-2	Benzo(g,h,i)perylene	0.014	0.052		U
50-32-8	Benzo(a)pyrene	0.0099	0.052		U
218-01-9	Chrysene	0.0094	0.052		U
53-70-3	Dibenz(a,h)anthracene	0.012	0.052		U
206-44-0	Fluoranthene	0.012	0.052		U
86-73-7	Fluorene	0.013	0.052		U
193-39-5	Indeno(1,2,3-cd)pyrene	0.019	0.052		U
91-57-6	2-Methylnaphthalene	0.017	0.052		U
90-12-0	1-Methylnaphthalene	0.010	0.052		U
91-20-3	Naphthalene	0.020	0.052	0.12	
85-01-8	Phenanthrene	0.014	0.052		U
129-00-0	Pyrene	0.011	0.052		U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW36S-001

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW003

Matrix: (soil/water) WATER Lab Sample ID: 0701028-05

Sample wt/vol: 920.0 (g/mL) ML Lab File ID: 0102805

% Moisture: _____ decanted: (Y/N)___ Date Sampled: 01/05/07 14:45

Extraction: (SepF/Cont/Sonc/Soxh) SEPF Date Extracted:01/10/07

Concentrated Extract Volume: 500.0(uL) Date Analyzed: 01/11/07 20:05

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
83-32-9	Acenaphthene	0.011	0.054		U
208-96-8	Acenaphthylene	0.0092	0.054		U
120-12-7	Anthracene	0.010	0.054		U
56-55-3	Benzo(a)anthracene	0.011	0.054		U
205-99-2	Benzo(b)fluoranthene	0.017	0.054		U
207-08-9	Benzo(k)fluoranthene	0.014	0.054		U
191-24-2	Benzo(g,h,i)perylene	0.014	0.054		U
50-32-8	Benzo(a)pyrene	0.010	0.054		U
218-01-9	Chrysene	0.0098	0.054		U
53-70-3	Dibenz(a,h)anthracene	0.013	0.054		U
206-44-0	Fluoranthene	0.012	0.054		U
86-73-7	Fluorene	0.014	0.054		U
193-39-5	Indeno(1,2,3-cd)pyrene	0.020	0.054		U
91-57-6	2-Methylnaphthalene	0.017	0.054		U
90-12-0	1-Methylnaphthalene	0.011	0.054		U
91-20-3	Naphthalene	0.021	0.054	0.10	
85-01-8	Phenanthrene	0.015	0.054		U
129-00-0	Pyrene	0.011	0.054		U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW31S-001

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW003

Matrix: (soil/water) WATER Lab Sample ID: 0701028-06

Sample wt/vol: 970.0 (g/mL) ML Lab File ID: 0102806

% Moisture: _____ decanted: (Y/N)___ Date Sampled: 01/05/07 15:15

Extraction: (SepF/Cont/Sonc/Soxh) SEPF Date Extracted:01/10/07

Concentrated Extract Volume: 500.0(uL) Date Analyzed: 01/11/07 22:43

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
83-32-9	Acenaphthene	0.010	0.052		U
208-96-8	Acenaphthylene	0.0088	0.052	0.86	
120-12-7	Anthracene	0.0098	0.052		U
56-55-3	Benzo(a)anthracene	0.011	0.052		U
205-99-2	Benzo(b)fluoranthene	0.016	0.052		U
207-08-9	Benzo(k)fluoranthene	0.013	0.052		U
191-24-2	Benzo(g,h,i)perylene	0.013	0.052		U
50-32-8	Benzo(a)pyrene	0.0098	0.052		U
218-01-9	Chrysene	0.0093	0.052		U
53-70-3	Dibenz(a,h)anthracene	0.012	0.052		U
206-44-0	Fluoranthene	0.012	0.052		U
86-73-7	Fluorene	0.013	0.052		U
193-39-5	Indeno(1,2,3-cd)pyrene	0.018	0.052		U
91-57-6	2-Methylnaphthalene	0.016	0.052	5.3	
90-12-0	1-Methylnaphthalene	0.010	0.052	3.2	
91-20-3	Naphthalene	0.020	0.052	44	L
85-01-8	Phenanthrene	0.014	0.052		U
129-00-0	Pyrene	0.011	0.052		U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW31S-001

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW003

Matrix: (soil/water) WATER Lab Sample ID: 0701028-06

Sample wt/vol: 970.0 (g/mL) ML Lab File ID: 0102806D

% Moisture: _____ decanted: (Y/N)___ Date Sampled: 01/05/07 15:15

Extraction: (SepF/Cont/Sonc/Soxh) SEPF Date Extracted:01/10/07

Concentrated Extract Volume: 500.0(uL) Date Analyzed: 01/11/07 21:24

Injection Volume: 2.0(uL) Dilution Factor: 5.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
83-32-9	Acenaphthene	0.052	0.26		UD
208-96-8	Acenaphthylene	0.044	0.26		UD
120-12-7	Anthracene	0.049	0.26		UD
56-55-3	Benzo(a)anthracene	0.054	0.26		UD
205-99-2	Benzo(b)fluoranthene	0.082	0.26		UD
207-08-9	Benzo(k)fluoranthene	0.067	0.26		UD
191-24-2	Benzo(g,h,i)perylene	0.067	0.26		UD
50-32-8	Benzo(a)pyrene	0.049	0.26		UD
218-01-9	Chrysene	0.046	0.26		UD
53-70-3	Dibenz(a,h)anthracene	0.062	0.26		UD
206-44-0	Fluoranthene	0.059	0.26		UD
86-73-7	Fluorene	0.064	0.26		UD
193-39-5	Indeno(1,2,3-cd)pyrene	0.093	0.26		UD
91-57-6	2-Methylnaphthalene	0.082	0.26	5.0	D
90-12-0	1-Methylnaphthalene	0.052	0.26	3.1	D
91-20-3	Naphthalene	0.098	0.26	44	D
85-01-8	Phenanthrene	0.072	0.26		UD
129-00-0	Pyrene	0.054	0.26		UD

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW02D-001

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW003

Matrix: (soil/water) WATER Lab Sample ID: 0701033-01

Sample wt/vol: 960.0 (g/mL) ML Lab File ID: 0103301

% Moisture: _____ decanted: (Y/N)___ Date Sampled: 01/06/07 11:15

Extraction: (SepF/Cont/Sonc/Soxh) SEPF Date Extracted:01/10/07

Concentrated Extract Volume: 500.0(uL) Date Analyzed: 01/11/07 09:11

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
83-32-9	Acenaphthene	0.010	0.052		U
208-96-8	Acenaphthylene	0.0088	0.052		U
120-12-7	Anthracene	0.0099	0.052		U
56-55-3	Benzo(a)anthracene	0.011	0.052		U
205-99-2	Benzo(b)fluoranthene	0.017	0.052		U
207-08-9	Benzo(k)fluoranthene	0.014	0.052		U
191-24-2	Benzo(g,h,i)perylene	0.014	0.052		U
50-32-8	Benzo(a)pyrene	0.0099	0.052		U
218-01-9	Chrysene	0.0094	0.052		U
53-70-3	Dibenz(a,h)anthracene	0.012	0.052		U
206-44-0	Fluoranthene	0.012	0.052		U
86-73-7	Fluorene	0.013	0.052		U
193-39-5	Indeno(1,2,3-cd)pyrene	0.019	0.052		U
91-57-6	2-Methylnaphthalene	0.017	0.052		U
90-12-0	1-Methylnaphthalene	0.010	0.052		U
91-20-3	Naphthalene	0.020	0.052		U
85-01-8	Phenanthrene	0.014	0.052		U
129-00-0	Pyrene	0.011	0.052		U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.
OLFS4-MW
01D2-001

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW003

Matrix: (soil/water) WATER Lab Sample ID: 0701033-02

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 0103302

% Moisture: _____ decanted: (Y/N)___ Date Sampled: 01/06/07 10:40

Extraction: (SepF/Cont/Sonc/Soxh) SEPF Date Extracted:01/10/07

Concentrated Extract Volume: 500.0(uL) Date Analyzed: 01/11/07 09:51

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
83-32-9	Acenaphthene	0.010	0.050		U
208-96-8	Acenaphthylene	0.0085	0.050		U
120-12-7	Anthracene	0.0095	0.050		U
56-55-3	Benzo(a)anthracene	0.010	0.050		U
205-99-2	Benzo(b)fluoranthene	0.016	0.050		U
207-08-9	Benzo(k)fluoranthene	0.013	0.050		U
191-24-2	Benzo(g,h,i)perylene	0.013	0.050		U
50-32-8	Benzo(a)pyrene	0.0095	0.050		U
218-01-9	Chrysene	0.0090	0.050		U
53-70-3	Dibenz(a,h)anthracene	0.012	0.050		U
206-44-0	Fluoranthene	0.012	0.050		U
86-73-7	Fluorene	0.012	0.050		U
193-39-5	Indeno(1,2,3-cd)pyrene	0.018	0.050		U
91-57-6	2-Methylnaphthalene	0.016	0.050		U
90-12-0	1-Methylnaphthalene	0.010	0.050		U
91-20-3	Naphthalene	0.019	0.050		U
85-01-8	Phenanthrene	0.014	0.050		U
129-00-0	Pyrene	0.010	0.050		U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW25S-001

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW003

Matrix: (soil/water) WATER Lab Sample ID: 0701033-03

Sample wt/vol: 920.0 (g/mL) ML Lab File ID: 0103303

% Moisture: _____ decanted: (Y/N)___ Date Sampled: 01/06/07 15:20

Extraction: (SepF/Cont/Sonc/Soxh) SEPF Date Extracted:01/10/07

Concentrated Extract Volume: 500.0(uL) Date Analyzed: 01/11/07 10:31

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
83-32-9	Acenaphthene	0.011	0.054		U
208-96-8	Acenaphthylene	0.0092	0.054		U
120-12-7	Anthracene	0.010	0.054		U
56-55-3	Benzo(a)anthracene	0.011	0.054		U
205-99-2	Benzo(b)fluoranthene	0.017	0.054		U
207-08-9	Benzo(k)fluoranthene	0.014	0.054		U
191-24-2	Benzo(g,h,i)perylene	0.014	0.054		U
50-32-8	Benzo(a)pyrene	0.010	0.054		U
218-01-9	Chrysene	0.0098	0.054		U
53-70-3	Dibenz(a,h)anthracene	0.013	0.054		U
206-44-0	Fluoranthene	0.012	0.054		U
86-73-7	Fluorene	0.014	0.054		U
193-39-5	Indeno(1,2,3-cd)pyrene	0.020	0.054		U
91-57-6	2-Methylnaphthalene	0.017	0.054	0.036	I
90-12-0	1-Methylnaphthalene	0.011	0.054	0.15	
91-20-3	Naphthalene	0.021	0.054		U
85-01-8	Phenanthrene	0.015	0.054		U
129-00-0	Pyrene	0.011	0.054		U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW09S-001

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW003

Matrix: (soil/water) WATER Lab Sample ID: 0701033-04

Sample wt/vol: 900.0 (g/mL) ML Lab File ID: 0103304

% Moisture: _____ decanted: (Y/N)___ Date Sampled: 01/06/07 14:30

Extraction: (SepF/Cont/Sonc/Soxh) SEPF Date Extracted:01/10/07

Concentrated Extract Volume: 500.0(uL) Date Analyzed: 01/11/07 11:10

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
83-32-9	Acenaphthene	0.011	0.056		U
208-96-8	Acenaphthylene	0.0094	0.056		U
120-12-7	Anthracene	0.010	0.056		U
56-55-3	Benzo(a)anthracene	0.012	0.056		U
205-99-2	Benzo(b)fluoranthene	0.018	0.056		U
207-08-9	Benzo(k)fluoranthene	0.014	0.056		U
191-24-2	Benzo(g,h,i)perylene	0.014	0.056		U
50-32-8	Benzo(a)pyrene	0.010	0.056		U
218-01-9	Chrysene	0.010	0.056		U
53-70-3	Dibenz(a,h)anthracene	0.013	0.056		U
206-44-0	Fluoranthene	0.013	0.056		U
86-73-7	Fluorene	0.014	0.056		U
193-39-5	Indeno(1,2,3-cd)pyrene	0.020	0.056		U
91-57-6	2-Methylnaphthalene	0.018	0.056		U
90-12-0	1-Methylnaphthalene	0.011	0.056		U
91-20-3	Naphthalene	0.021	0.056	0.036	I
85-01-8	Phenanthrene	0.016	0.056		U
129-00-0	Pyrene	0.012	0.056		U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.
OLFS4-MW0
9S-001 RE

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW003

Matrix: (soil/water) WATER Lab Sample ID: 0701033-04

Sample wt/vol: 900.0 (g/mL) ML Lab File ID: 0103304

% Moisture: _____ decanted: (Y/N)___ Date Sampled: 01/06/07 14:30

Extraction: (SepF/Cont/Sonc/Soxh) SEPF Date Extracted:01/12/07

Concentrated Extract Volume: 500.0(uL) Date Analyzed: 01/16/07 08:56

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
83-32-9	Acenaphthene	0.011	0.056		U
208-96-8	Acenaphthylene	0.0094	0.056		U
120-12-7	Anthracene	0.010	0.056		U
56-55-3	Benzo(a)anthracene	0.012	0.056		U
205-99-2	Benzo(b)fluoranthene	0.018	0.056		U
207-08-9	Benzo(k)fluoranthene	0.014	0.056		U
191-24-2	Benzo(g,h,i)perylene	0.014	0.056		U
50-32-8	Benzo(a)pyrene	0.010	0.056		U
218-01-9	Chrysene	0.010	0.056		U
53-70-3	Dibenz(a,h)anthracene	0.013	0.056		U
206-44-0	Fluoranthene	0.013	0.056		U
86-73-7	Fluorene	0.014	0.056		U
193-39-5	Indeno(1,2,3-cd)pyrene	0.020	0.056		U
91-57-6	2-Methylnaphthalene	0.018	0.056		U
90-12-0	1-Methylnaphthalene	0.011	0.056		U
91-20-3	Naphthalene	0.021	0.056		U
85-01-8	Phenanthrene	0.016	0.056		U
129-00-0	Pyrene	0.012	0.056		U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW24S-001

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW003

Matrix: (soil/water) WATER Lab Sample ID: 0701033-05

Sample wt/vol: 850.0 (g/mL) ML Lab File ID: 0103305

% Moisture: _____ decanted: (Y/N)___ Date Sampled: 01/06/07 17:25

Extraction: (SepF/Cont/Sonc/Soxh) SEPF Date Extracted:01/10/07

Concentrated Extract Volume: 500.0(uL) Date Analyzed: 01/11/07 11:50

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
83-32-9	Acenaphthene	0.012	0.059		U
208-96-8	Acenaphthylene	0.010	0.059		U
120-12-7	Anthracene	0.011	0.059		U
56-55-3	Benzo(a)anthracene	0.012	0.059	0.020	I
205-99-2	Benzo(b)fluoranthene	0.019	0.059		U
207-08-9	Benzo(k)fluoranthene	0.015	0.059		U
191-24-2	Benzo(g,h,i)perylene	0.015	0.059		U
50-32-8	Benzo(a)pyrene	0.011	0.059		U
218-01-9	Chrysene	0.010	0.059	0.026	I
53-70-3	Dibenz(a,h)anthracene	0.014	0.059		U
206-44-0	Fluoranthene	0.014	0.059	0.073	
86-73-7	Fluorene	0.015	0.059		U
193-39-5	Indeno(1,2,3-cd)pyrene	0.021	0.059		U
91-57-6	2-Methylnaphthalene	0.019	0.059		U
90-12-0	1-Methylnaphthalene	0.012	0.059		U
91-20-3	Naphthalene	0.022	0.059		U
85-01-8	Phenanthrene	0.016	0.059	0.029	I
129-00-0	Pyrene	0.012	0.059	0.061	

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.
OLFS4-MW2
4S-001 RE

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW003

Matrix: (soil/water) WATER Lab Sample ID: 0701033-05

Sample wt/vol: 850.0 (g/mL) ML Lab File ID: 0103305

% Moisture: _____ decanted: (Y/N)___ Date Sampled: 01/06/07 17:25

Extraction: (SepF/Cont/Sonc/Soxh) SEPF Date Extracted:01/12/07

Concentrated Extract Volume: 500.0(uL) Date Analyzed: 01/16/07 09:36

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
83-32-9	Acenaphthene	0.012	0.059		U
208-96-8	Acenaphthylene	0.010	0.059		U
120-12-7	Anthracene	0.011	0.059		U
56-55-3	Benzo(a)anthracene	0.012	0.059	0.018	I
205-99-2	Benzo(b)fluoranthene	0.019	0.059		U
207-08-9	Benzo(k)fluoranthene	0.015	0.059		U
191-24-2	Benzo(g,h,i)perylene	0.015	0.059		U
50-32-8	Benzo(a)pyrene	0.011	0.059		U
218-01-9	Chrysene	0.010	0.059	0.027	I
53-70-3	Dibenz(a,h)anthracene	0.014	0.059		U
206-44-0	Fluoranthene	0.014	0.059	0.038	I
86-73-7	Fluorene	0.015	0.059		U
193-39-5	Indeno(1,2,3-cd)pyrene	0.021	0.059		U
91-57-6	2-Methylnaphthalene	0.019	0.059		U
90-12-0	1-Methylnaphthalene	0.012	0.059		U
91-20-3	Naphthalene	0.022	0.059		U
85-01-8	Phenanthrene	0.016	0.059		U
129-00-0	Pyrene	0.012	0.059	0.045	I

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW27S-001

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW003

Matrix: (soil/water) WATER Lab Sample ID: 0701033-06

Sample wt/vol: 850.0 (g/mL) ML Lab File ID: 0103306

% Moisture: _____ decanted: (Y/N)___ Date Sampled: 01/07/07 11:00

Extraction: (SepF/Cont/Sonc/Soxh) SEPF Date Extracted:01/10/07

Concentrated Extract Volume: 500.0(uL) Date Analyzed: 01/11/07 12:31

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
83-32-9	Acenaphthene	0.012	0.059		U
208-96-8	Acenaphthylene	0.010	0.059		U
120-12-7	Anthracene	0.011	0.059		U
56-55-3	Benzo(a)anthracene	0.012	0.059		U
205-99-2	Benzo(b)fluoranthene	0.019	0.059		U
207-08-9	Benzo(k)fluoranthene	0.015	0.059		U
191-24-2	Benzo(g,h,i)perylene	0.015	0.059		U
50-32-8	Benzo(a)pyrene	0.011	0.059		U
218-01-9	Chrysene	0.010	0.059		U
53-70-3	Dibenz(a,h)anthracene	0.014	0.059		U
206-44-0	Fluoranthene	0.014	0.059		U
86-73-7	Fluorene	0.015	0.059		U
193-39-5	Indeno(1,2,3-cd)pyrene	0.021	0.059		U
91-57-6	2-Methylnaphthalene	0.019	0.059		U
90-12-0	1-Methylnaphthalene	0.012	0.059		U
91-20-3	Naphthalene	0.022	0.059		U
85-01-8	Phenanthrene	0.016	0.059		U
129-00-0	Pyrene	0.012	0.059		U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.
OLFS4-MW2
7S-001 RE

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW003

Matrix: (soil/water) WATER Lab Sample ID: 0701033-06

Sample wt/vol: 900.0 (g/mL) ML Lab File ID: 0103306

% Moisture: _____ decanted: (Y/N)___ Date Sampled: 01/07/07 11:00

Extraction: (SepF/Cont/Sonc/Soxh) SEPF Date Extracted:01/12/07

Concentrated Extract Volume: 500.0(uL) Date Analyzed: 01/16/07 11:37

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
83-32-9	Acenaphthene	0.011	0.056		U
208-96-8	Acenaphthylene	0.0094	0.056		U
120-12-7	Anthracene	0.010	0.056		U
56-55-3	Benzo(a)anthracene	0.012	0.056		U
205-99-2	Benzo(b)fluoranthene	0.018	0.056		U
207-08-9	Benzo(k)fluoranthene	0.014	0.056		U
191-24-2	Benzo(g,h,i)perylene	0.014	0.056		U
50-32-8	Benzo(a)pyrene	0.010	0.056		U
218-01-9	Chrysene	0.010	0.056		U
53-70-3	Dibenz(a,h)anthracene	0.013	0.056		U
206-44-0	Fluoranthene	0.013	0.056		U
86-73-7	Fluorene	0.014	0.056		U
193-39-5	Indeno(1,2,3-cd)pyrene	0.020	0.056		U
91-57-6	2-Methylnaphthalene	0.018	0.056		U
90-12-0	1-Methylnaphthalene	0.011	0.056		U
91-20-3	Naphthalene	0.021	0.056		U
85-01-8	Phenanthrene	0.016	0.056		U
129-00-0	Pyrene	0.012	0.056		U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW21S-001

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW003

Matrix: (soil/water) WATER Lab Sample ID: 0701033-07

Sample wt/vol: 900.0 (g/mL) ML Lab File ID: 0103307

% Moisture: _____ decanted: (Y/N)___ Date Sampled: 01/07/07 11:00

Extraction: (SepF/Cont/Sonc/Soxh) SEPF Date Extracted:01/10/07

Concentrated Extract Volume: 500.0(uL) Date Analyzed: 01/11/07 13:11

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
83-32-9	Acenaphthene	0.011	0.056		U
208-96-8	Acenaphthylene	0.0094	0.056		U
120-12-7	Anthracene	0.010	0.056		U
56-55-3	Benzo(a)anthracene	0.012	0.056		U
205-99-2	Benzo(b)fluoranthene	0.018	0.056		U
207-08-9	Benzo(k)fluoranthene	0.014	0.056		U
191-24-2	Benzo(g,h,i)perylene	0.014	0.056		U
50-32-8	Benzo(a)pyrene	0.010	0.056		U
218-01-9	Chrysene	0.010	0.056		U
53-70-3	Dibenz(a,h)anthracene	0.013	0.056		U
206-44-0	Fluoranthene	0.013	0.056		U
86-73-7	Fluorene	0.014	0.056		U
193-39-5	Indeno(1,2,3-cd)pyrene	0.020	0.056		U
91-57-6	2-Methylnaphthalene	0.018	0.056		U
90-12-0	1-Methylnaphthalene	0.011	0.056		U
91-20-3	Naphthalene	0.021	0.056		U
85-01-8	Phenanthrene	0.016	0.056		U
129-00-0	Pyrene	0.012	0.056		U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.
OLFS4-MW2
1S-001 RE

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW003

Matrix: (soil/water) WATER Lab Sample ID: 0701033-07

Sample wt/vol: 875.0 (g/mL) ML Lab File ID: 0103307

% Moisture: _____ decanted: (Y/N)___ Date Sampled: 01/07/07 11:00

Extraction: (SepF/Cont/Sonc/Soxh) SEPF Date Extracted:01/12/07

Concentrated Extract Volume: 500.0(uL) Date Analyzed: 01/16/07 12:17

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
83-32-9	Acenaphthene	0.011	0.057		U
208-96-8	Acenaphthylene	0.0097	0.057		U
120-12-7	Anthracene	0.011	0.057		U
56-55-3	Benzo(a)anthracene	0.012	0.057		U
205-99-2	Benzo(b)fluoranthene	0.018	0.057		U
207-08-9	Benzo(k)fluoranthene	0.015	0.057		U
191-24-2	Benzo(g,h,i)perylene	0.015	0.057		U
50-32-8	Benzo(a)pyrene	0.011	0.057		U
218-01-9	Chrysene	0.010	0.057		U
53-70-3	Dibenz(a,h)anthracene	0.014	0.057		U
206-44-0	Fluoranthene	0.013	0.057		U
86-73-7	Fluorene	0.014	0.057		U
193-39-5	Indeno(1,2,3-cd)pyrene	0.020	0.057		U
91-57-6	2-Methylnaphthalene	0.018	0.057		U
90-12-0	1-Methylnaphthalene	0.011	0.057		U
91-20-3	Naphthalene	0.022	0.057		U
85-01-8	Phenanthrene	0.016	0.057		U
129-00-0	Pyrene	0.012	0.057		U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW14D-001

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW003

Matrix: (soil/water) WATER Lab Sample ID: 0701033-08

Sample wt/vol: 900.0 (g/mL) ML Lab File ID: 0103308

% Moisture: _____ decanted: (Y/N)___ Date Sampled: 01/08/07 15:40

Extraction: (SepF/Cont/Sonc/Soxh) SEPF Date Extracted:01/10/07

Concentrated Extract Volume: 500.0(uL) Date Analyzed: 01/11/07 13:51

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
83-32-9	Acenaphthene	0.011	0.056		U
208-96-8	Acenaphthylene	0.0094	0.056		U
120-12-7	Anthracene	0.010	0.056		U
56-55-3	Benzo(a)anthracene	0.012	0.056		U
205-99-2	Benzo(b)fluoranthene	0.018	0.056		U
207-08-9	Benzo(k)fluoranthene	0.014	0.056		U
191-24-2	Benzo(g,h,i)perylene	0.014	0.056		U
50-32-8	Benzo(a)pyrene	0.010	0.056		U
218-01-9	Chrysene	0.010	0.056		U
53-70-3	Dibenz(a,h)anthracene	0.013	0.056		U
206-44-0	Fluoranthene	0.013	0.056		U
86-73-7	Fluorene	0.014	0.056		U
193-39-5	Indeno(1,2,3-cd)pyrene	0.020	0.056		U
91-57-6	2-Methylnaphthalene	0.018	0.056		U
90-12-0	1-Methylnaphthalene	0.011	0.056		U
91-20-3	Naphthalene	0.021	0.056		U
85-01-8	Phenanthrene	0.016	0.056		U
129-00-0	Pyrene	0.012	0.056		U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.
OLFS4-MW1
4D-001 RE

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW003

Matrix: (soil/water) WATER Lab Sample ID: 0701033-08

Sample wt/vol: 940.0 (g/mL) ML Lab File ID: 0103308

% Moisture: _____ decanted: (Y/N)___ Date Sampled: 01/08/07 15:40

Extraction: (SepF/Cont/Sonc/Soxh) SEPF Date Extracted:01/12/07

Concentrated Extract Volume: 500.0(uL) Date Analyzed: 01/16/07 12:57

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
83-32-9	Acenaphthene	0.011	0.053		U
208-96-8	Acenaphthylene	0.0090	0.053		U
120-12-7	Anthracene	0.010	0.053		U
56-55-3	Benzo(a)anthracene	0.011	0.053		U
205-99-2	Benzo(b)fluoranthene	0.017	0.053		U
207-08-9	Benzo(k)fluoranthene	0.014	0.053		U
191-24-2	Benzo(g,h,i)perylene	0.014	0.053		U
50-32-8	Benzo(a)pyrene	0.010	0.053		U
218-01-9	Chrysene	0.0096	0.053		U
53-70-3	Dibenz(a,h)anthracene	0.013	0.053		U
206-44-0	Fluoranthene	0.012	0.053		U
86-73-7	Fluorene	0.013	0.053		U
193-39-5	Indeno(1,2,3-cd)pyrene	0.019	0.053		U
91-57-6	2-Methylnaphthalene	0.017	0.053		U
90-12-0	1-Methylnaphthalene	0.011	0.053		U
91-20-3	Naphthalene	0.020	0.053		U
85-01-8	Phenanthrene	0.015	0.053		U
129-00-0	Pyrene	0.011	0.053		U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW35S-001

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW003

Matrix: (soil/water) WATER Lab Sample ID: 0701033-09

Sample wt/vol: 960.0 (g/mL) ML Lab File ID: 0103309

% Moisture: _____ decanted: (Y/N)___ Date Sampled: 01/08/07 10:35

Extraction: (SepF/Cont/Sonc/Soxh) SEPF Date Extracted:01/10/07

Concentrated Extract Volume: 500.0(uL) Date Analyzed: 01/11/07 14:31

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
83-32-9	Acenaphthene	0.010	0.052		U
208-96-8	Acenaphthylene	0.0088	0.052		U
120-12-7	Anthracene	0.0099	0.052		U
56-55-3	Benzo(a)anthracene	0.011	0.052		U
205-99-2	Benzo(b)fluoranthene	0.017	0.052		U
207-08-9	Benzo(k)fluoranthene	0.014	0.052		U
191-24-2	Benzo(g,h,i)perylene	0.014	0.052		U
50-32-8	Benzo(a)pyrene	0.0099	0.052		U
218-01-9	Chrysene	0.0094	0.052		U
53-70-3	Dibenz(a,h)anthracene	0.012	0.052		U
206-44-0	Fluoranthene	0.012	0.052		U
86-73-7	Fluorene	0.013	0.052		U
193-39-5	Indeno(1,2,3-cd)pyrene	0.019	0.052		U
91-57-6	2-Methylnaphthalene	0.017	0.052		U
90-12-0	1-Methylnaphthalene	0.010	0.052		U
91-20-3	Naphthalene	0.020	0.052		U
85-01-8	Phenanthrene	0.014	0.052		U
129-00-0	Pyrene	0.011	0.052		U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.
OLFS4-MW3
5S-001 RE

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW003

Matrix: (soil/water) WATER Lab Sample ID: 0701033-09

Sample wt/vol: 920.0 (g/mL) ML Lab File ID: 0103309

% Moisture: _____ decanted: (Y/N)___ Date Sampled: 01/08/07 10:35

Extraction: (SepF/Cont/Sonc/Soxh) SEPF Date Extracted:01/12/07

Concentrated Extract Volume: 500.0(uL) Date Analyzed: 01/16/07 13:38

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
83-32-9	Acenaphthene	0.011	0.054		U
208-96-8	Acenaphthylene	0.0092	0.054		U
120-12-7	Anthracene	0.010	0.054		U
56-55-3	Benzo(a)anthracene	0.011	0.054		U
205-99-2	Benzo(b)fluoranthene	0.017	0.054		U
207-08-9	Benzo(k)fluoranthene	0.014	0.054		U
191-24-2	Benzo(g,h,i)perylene	0.014	0.054		U
50-32-8	Benzo(a)pyrene	0.010	0.054		U
218-01-9	Chrysene	0.0098	0.054		U
53-70-3	Dibenz(a,h)anthracene	0.013	0.054		U
206-44-0	Fluoranthene	0.012	0.054		U
86-73-7	Fluorene	0.014	0.054		U
193-39-5	Indeno(1,2,3-cd)pyrene	0.020	0.054		U
91-57-6	2-Methylnaphthalene	0.017	0.054		U
90-12-0	1-Methylnaphthalene	0.011	0.054		U
91-20-3	Naphthalene	0.021	0.054		U
85-01-8	Phenanthrene	0.015	0.054		U
129-00-0	Pyrene	0.011	0.054		U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.
OLFS4-MW
35S-001-D

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW003

Matrix: (soil/water) WATER Lab Sample ID: 0701033-10

Sample wt/vol: 940.0 (g/mL) ML Lab File ID: 0103310

% Moisture: _____ decanted: (Y/N)___ Date Sampled: 01/08/07 10:50

Extraction: (SepF/Cont/Sonc/Soxh) SEPF Date Extracted:01/10/07

Concentrated Extract Volume: 500.0(uL) Date Analyzed: 01/11/07 15:11

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
83-32-9	Acenaphthene	0.011	0.053		U
208-96-8	Acenaphthylene	0.0090	0.053		U
120-12-7	Anthracene	0.010	0.053		U
56-55-3	Benzo(a)anthracene	0.011	0.053		U
205-99-2	Benzo(b)fluoranthene	0.017	0.053		U
207-08-9	Benzo(k)fluoranthene	0.014	0.053		U
191-24-2	Benzo(g,h,i)perylene	0.014	0.053		U
50-32-8	Benzo(a)pyrene	0.010	0.053		U
218-01-9	Chrysene	0.0096	0.053		U
53-70-3	Dibenz(a,h)anthracene	0.013	0.053		U
206-44-0	Fluoranthene	0.012	0.053		U
86-73-7	Fluorene	0.013	0.053		U
193-39-5	Indeno(1,2,3-cd)pyrene	0.019	0.053		U
91-57-6	2-Methylnaphthalene	0.017	0.053		U
90-12-0	1-Methylnaphthalene	0.011	0.053		U
91-20-3	Naphthalene	0.020	0.053		U
85-01-8	Phenanthrene	0.015	0.053		U
129-00-0	Pyrene	0.011	0.053		U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.
OLFS4-MW3
5S-001-DRE

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW003

Matrix: (soil/water) WATER Lab Sample ID: 0701033-10

Sample wt/vol: 920.0 (g/mL) ML Lab File ID: 0103310

% Moisture: _____ decanted: (Y/N)___ Date Sampled: 01/08/07 10:50

Extraction: (SepF/Cont/Sonc/Soxh) SEPF Date Extracted:01/12/07

Concentrated Extract Volume: 500.0(uL) Date Analyzed: 01/16/07 14:18

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
83-32-9	Acenaphthene	0.011	0.054		U
208-96-8	Acenaphthylene	0.0092	0.054		U
120-12-7	Anthracene	0.010	0.054		U
56-55-3	Benzo(a)anthracene	0.011	0.054		U
205-99-2	Benzo(b)fluoranthene	0.017	0.054		U
207-08-9	Benzo(k)fluoranthene	0.014	0.054		U
191-24-2	Benzo(g,h,i)perylene	0.014	0.054		U
50-32-8	Benzo(a)pyrene	0.010	0.054		U
218-01-9	Chrysene	0.0098	0.054		U
53-70-3	Dibenz(a,h)anthracene	0.013	0.054		U
206-44-0	Fluoranthene	0.012	0.054		U
86-73-7	Fluorene	0.014	0.054		U
193-39-5	Indeno(1,2,3-cd)pyrene	0.020	0.054		U
91-57-6	2-Methylnaphthalene	0.017	0.054		U
90-12-0	1-Methylnaphthalene	0.011	0.054		U
91-20-3	Naphthalene	0.021	0.054		U
85-01-8	Phenanthrene	0.015	0.054		U
129-00-0	Pyrene	0.011	0.054		U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW34S-001

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW003

Matrix: (soil/water) WATER Lab Sample ID: 0701033-11

Sample wt/vol: 940.0 (g/mL) ML Lab File ID: 0103311

% Moisture: _____ decanted: (Y/N)___ Date Sampled: 01/08/07 10:15

Extraction: (SepF/Cont/Sonc/Soxh) SEPF Date Extracted:01/10/07

Concentrated Extract Volume: 500.0(uL) Date Analyzed: 01/11/07 15:51

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
83-32-9	Acenaphthene	0.011	0.053		U
208-96-8	Acenaphthylene	0.0090	0.053		U
120-12-7	Anthracene	0.010	0.053		U
56-55-3	Benzo(a)anthracene	0.011	0.053		U
205-99-2	Benzo(b)fluoranthene	0.017	0.053		U
207-08-9	Benzo(k)fluoranthene	0.014	0.053		U
191-24-2	Benzo(g,h,i)perylene	0.014	0.053		U
50-32-8	Benzo(a)pyrene	0.010	0.053		U
218-01-9	Chrysene	0.0096	0.053		U
53-70-3	Dibenz(a,h)anthracene	0.013	0.053		U
206-44-0	Fluoranthene	0.012	0.053	0.020	I
86-73-7	Fluorene	0.013	0.053		U
193-39-5	Indeno(1,2,3-cd)pyrene	0.019	0.053		U
91-57-6	2-Methylnaphthalene	0.017	0.053		U
90-12-0	1-Methylnaphthalene	0.011	0.053		U
91-20-3	Naphthalene	0.020	0.053	0.026	I
85-01-8	Phenanthrene	0.015	0.053	0.023	I
129-00-0	Pyrene	0.011	0.053		U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.
OLFS4-MW3
4S-001 RE

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW003

Matrix: (soil/water) WATER Lab Sample ID: 0701033-11

Sample wt/vol: 920.0 (g/mL) ML Lab File ID: 0103311

% Moisture: _____ decanted: (Y/N)___ Date Sampled: 01/08/07 10:15

Extraction: (SepF/Cont/Sonc/Soxh) SEPF Date Extracted:01/12/07

Concentrated Extract Volume: 500.0(uL) Date Analyzed: 01/16/07 14:58

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
83-32-9	Acenaphthene	0.011	0.054		U
208-96-8	Acenaphthylene	0.0092	0.054		U
120-12-7	Anthracene	0.010	0.054		U
56-55-3	Benzo(a)anthracene	0.011	0.054		U
205-99-2	Benzo(b)fluoranthene	0.017	0.054		U
207-08-9	Benzo(k)fluoranthene	0.014	0.054		U
191-24-2	Benzo(g,h,i)perylene	0.014	0.054		U
50-32-8	Benzo(a)pyrene	0.010	0.054		U
218-01-9	Chrysene	0.0098	0.054		U
53-70-3	Dibenz(a,h)anthracene	0.013	0.054		U
206-44-0	Fluoranthene	0.012	0.054	0.041	I
86-73-7	Fluorene	0.014	0.054		U
193-39-5	Indeno(1,2,3-cd)pyrene	0.020	0.054		U
91-57-6	2-Methylnaphthalene	0.017	0.054		U
90-12-0	1-Methylnaphthalene	0.011	0.054		U
91-20-3	Naphthalene	0.021	0.054		U
85-01-8	Phenanthrene	0.015	0.054		U
129-00-0	Pyrene	0.011	0.054	0.012	I

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW28S-001

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW003

Matrix: (soil/water) WATER Lab Sample ID: 0701033-12

Sample wt/vol: 875.0 (g/mL) ML Lab File ID: 0103312

% Moisture: _____ decanted: (Y/N)___ Date Sampled: 01/08/07 12:30

Extraction: (SepF/Cont/Sonc/Soxh) SEPF Date Extracted:01/10/07

Concentrated Extract Volume: 500.0(uL) Date Analyzed: 01/11/07 16:31

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
83-32-9	Acenaphthene	0.011	0.057		U
208-96-8	Acenaphthylene	0.0097	0.057		U
120-12-7	Anthracene	0.011	0.057		U
56-55-3	Benzo(a)anthracene	0.012	0.057		U
205-99-2	Benzo(b)fluoranthene	0.018	0.057		U
207-08-9	Benzo(k)fluoranthene	0.015	0.057		U
191-24-2	Benzo(g,h,i)perylene	0.015	0.057		U
50-32-8	Benzo(a)pyrene	0.011	0.057		U
218-01-9	Chrysene	0.010	0.057		U
53-70-3	Dibenz(a,h)anthracene	0.014	0.057		U
206-44-0	Fluoranthene	0.013	0.057		U
86-73-7	Fluorene	0.014	0.057		U
193-39-5	Indeno(1,2,3-cd)pyrene	0.020	0.057		U
91-57-6	2-Methylnaphthalene	0.018	0.057		U
90-12-0	1-Methylnaphthalene	0.011	0.057		U
91-20-3	Naphthalene	0.022	0.057		U
85-01-8	Phenanthrene	0.016	0.057		U
129-00-0	Pyrene	0.012	0.057		U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.
OLFS4-MW2
8S-001 RE

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW003

Matrix: (soil/water) WATER Lab Sample ID: 0701033-12

Sample wt/vol: 875.0 (g/mL) ML Lab File ID: 0103312

% Moisture: _____ decanted: (Y/N)___ Date Sampled: 01/08/07 12:30

Extraction: (SepF/Cont/Sonc/Soxh) SEPF Date Extracted:01/12/07

Concentrated Extract Volume: 500.0(uL) Date Analyzed: 01/16/07 15:37

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
83-32-9	Acenaphthene	0.011	0.057		U
208-96-8	Acenaphthylene	0.0097	0.057		U
120-12-7	Anthracene	0.011	0.057		U
56-55-3	Benzo(a)anthracene	0.012	0.057		U
205-99-2	Benzo(b)fluoranthene	0.018	0.057		U
207-08-9	Benzo(k)fluoranthene	0.015	0.057		U
191-24-2	Benzo(g,h,i)perylene	0.015	0.057		U
50-32-8	Benzo(a)pyrene	0.011	0.057		U
218-01-9	Chrysene	0.010	0.057		U
53-70-3	Dibenz(a,h)anthracene	0.014	0.057		U
206-44-0	Fluoranthene	0.013	0.057		U
86-73-7	Fluorene	0.014	0.057		U
193-39-5	Indeno(1,2,3-cd)pyrene	0.020	0.057		U
91-57-6	2-Methylnaphthalene	0.018	0.057		U
90-12-0	1-Methylnaphthalene	0.011	0.057		U
91-20-3	Naphthalene	0.022	0.057		U
85-01-8	Phenanthrene	0.016	0.057		U
129-00-0	Pyrene	0.012	0.057		U

FORM 1
PCB ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW15S-001

Lab Name: EMPIRICAL LABS Contract: TETRA TECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW003

Matrix: (soil/water) WATER Lab Sample ID: 0701021-01

Sample wt/vol: 920.0 (g/mL) ML Lab File ID: 013F1301

% Moisture: _____ decanted: (Y/N)___ Date Sampled: 01/04/07 10:45

Extraction: (SepF/Cont/Sonc/Soxh) SEPF Date Extracted:01/08/07

Concentrated Extract Volume: 10.0(mL) Date Analyzed: 01/12/07 14:00

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
12674-11-2	PCB-1016	0.14	0.54		U
11104-28-2	PCB-1221	0.14	0.54		U
11141-16-5	PCB-1232	0.14	0.54		U
53469-21-9	PCB-1242	0.14	0.54		U
12672-29-6	PCB-1248	0.14	0.54		U
11097-69-1	PCB-1254	0.14	0.54		U
11096-82-5	PCB-1260	0.14	0.54		U

FORM 1
PCB ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW04D-001

Lab Name: EMPIRICAL LABS Contract: TETRA TECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW003

Matrix: (soil/water) WATER Lab Sample ID: 0701021-02

Sample wt/vol: 950.0 (g/mL) ML Lab File ID: 014F1401

% Moisture: _____ decanted: (Y/N)___ Date Sampled: 01/04/07 10:45

Extraction: (SepF/Cont/Sonc/Soxh) SEPF Date Extracted:01/08/07

Concentrated Extract Volume: 10.0(mL) Date Analyzed: 01/12/07 14:28

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
12674-11-2	PCB-1016	0.13	0.53		U
11104-28-2	PCB-1221	0.13	0.53		U
11141-16-5	PCB-1232	0.13	0.53		U
53469-21-9	PCB-1242	0.13	0.53		U
12672-29-6	PCB-1248	0.13	0.53		U
11097-69-1	PCB-1254	0.13	0.53		U
11096-82-5	PCB-1260	0.13	0.53		U

FORM 1
PCB ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW30S-001

Lab Name: EMPIRICAL LABS Contract: TETRA TECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW003

Matrix: (soil/water) WATER Lab Sample ID: 0701021-04

Sample wt/vol: 960.0 (g/mL) ML Lab File ID: 017F1701

% Moisture: _____ decanted: (Y/N)___ Date Sampled: 01/04/07 16:00

Extraction: (SepF/Cont/Sonc/Soxh) SEPF Date Extracted:01/08/07

Concentrated Extract Volume: 10.0(mL) Date Analyzed: 01/12/07 15:54

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
12674-11-2	PCB-1016	0.13	0.52		U
11104-28-2	PCB-1221	0.13	0.52		U
11141-16-5	PCB-1232	0.13	0.52		U
53469-21-9	PCB-1242	0.13	0.52		U
12672-29-6	PCB-1248	0.13	0.52		U
11097-69-1	PCB-1254	0.13	0.52		U
11096-82-5	PCB-1260	0.13	0.52		U

FORM 1
PCB ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW33S-001

Lab Name: EMPIRICAL LABS Contract: TETRA TECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW003

Matrix: (soil/water) WATER Lab Sample ID: 0701021-05

Sample wt/vol: 900.0 (g/mL) ML Lab File ID: 018F1801

% Moisture: _____ decanted: (Y/N)___ Date Sampled: 01/04/07 16:05

Extraction: (SepF/Cont/Sonc/Soxh) SEPF Date Extracted:01/08/07

Concentrated Extract Volume: 10.0(mL) Date Analyzed: 01/12/07 16:23

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
12674-11-2	PCB-1016	0.14	0.56		U
11104-28-2	PCB-1221	0.14	0.56		U
11141-16-5	PCB-1232	0.14	0.56		U
53469-21-9	PCB-1242	0.14	0.56		U
12672-29-6	PCB-1248	0.14	0.56		U
11097-69-1	PCB-1254	0.14	0.56		U
11096-82-5	PCB-1260	0.14	0.56		U

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CLIENT SAMPLE NO.

OLFS4-MW29D-001

Lab Name: EMPIRICAL LABS Contract: TETRA TECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW003

Matrix: (soil/water) WATER Lab Sample ID: 0701028-01

Sample wt/vol: 920.0 (g/mL) ML Lab File ID: 019F1901

% Moisture: _____ decanted: (Y/N)___ Date Sampled: 01/05/07 11:45

Extraction: (SepF/Cont/Sonc/Soxh) SEPF Date Extracted:01/08/07

Concentrated Extract Volume: 10.0(mL) Date Analyzed: 01/12/07 16:51

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
12674-11-2	PCB-1016	0.14	0.54		U
11104-28-2	PCB-1221	0.14	0.54		U
11141-16-5	PCB-1232	0.14	0.54		U
53469-21-9	PCB-1242	0.14	0.54		U
12672-29-6	PCB-1248	0.14	0.54		U
11097-69-1	PCB-1254	0.14	0.54		U
11096-82-5	PCB-1260	0.14	0.54		U

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CLIENT SAMPLE NO.

OLFS4-MW32S-001

Lab Name: EMPIRICAL LABS Contract: TETRA TECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW003

Matrix: (soil/water) WATER Lab Sample ID: 0701028-02

Sample wt/vol: 875.0 (g/mL) ML Lab File ID: 020F2001

% Moisture: _____ decanted: (Y/N)___ Date Sampled: 01/05/07 11:10

Extraction: (SepF/Cont/Sonc/Soxh) SEPF Date Extracted:01/08/07

Concentrated Extract Volume: 10.0(mL) Date Analyzed: 01/12/07 17:20

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
12674-11-2	PCB-1016	0.14	0.57		U
11104-28-2	PCB-1221	0.14	0.57		U
11141-16-5	PCB-1232	0.14	0.57		U
53469-21-9	PCB-1242	0.14	0.57		U
12672-29-6	PCB-1248	0.14	0.57		U
11097-69-1	PCB-1254	0.14	0.57		U
11096-82-5	PCB-1260	0.14	0.57		U

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PCB ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW26D-001

Lab Name: EMPIRICAL LABS Contract: TETRA TECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW003

Matrix: (soil/water) WATER Lab Sample ID: 0701028-04

Sample wt/vol: 920.0 (g/mL) ML Lab File ID: 021F2101

% Moisture: _____ decanted: (Y/N)___ Date Sampled: 01/05/07 16:20

Extraction: (SepF/Cont/Sonc/Soxh) SEPF Date Extracted:01/08/07

Concentrated Extract Volume: 10.0(mL) Date Analyzed: 01/12/07 17:48

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
12674-11-2	PCB-1016	0.14	0.54		U
11104-28-2	PCB-1221	0.14	0.54		U
11141-16-5	PCB-1232	0.14	0.54		U
53469-21-9	PCB-1242	0.14	0.54		U
12672-29-6	PCB-1248	0.14	0.54		U
11097-69-1	PCB-1254	0.14	0.54		U
11096-82-5	PCB-1260	0.14	0.54		U

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PCB ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW36S-001

Lab Name: EMPIRICAL LABS Contract: TETRA TECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW003

Matrix: (soil/water) WATER Lab Sample ID: 0701028-05

Sample wt/vol: 940.0 (g/mL) ML Lab File ID: 022F2201

% Moisture: _____ decanted: (Y/N)___ Date Sampled: 01/05/07 14:45

Extraction: (SepF/Cont/Sonc/Soxh) SEPF Date Extracted:01/08/07

Concentrated Extract Volume: 10.0(mL) Date Analyzed: 01/12/07 18:17

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
12674-11-2	PCB-1016	0.13	0.53		U
11104-28-2	PCB-1221	0.13	0.53		U
11141-16-5	PCB-1232	0.13	0.53		U
53469-21-9	PCB-1242	0.13	0.53		U
12672-29-6	PCB-1248	0.13	0.53		U
11097-69-1	PCB-1254	0.13	0.53		U
11096-82-5	PCB-1260	0.13	0.53		U

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PCB ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW31S-001

Lab Name: EMPIRICAL LABS Contract: TETRA TECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW003

Matrix: (soil/water) WATER Lab Sample ID: 0701028-06

Sample wt/vol: 875.0 (g/mL) ML Lab File ID: 023F2301

% Moisture: _____ decanted: (Y/N)___ Date Sampled: 01/05/07 15:15

Extraction: (SepF/Cont/Sonc/Soxh) SEPF Date Extracted:01/08/07

Concentrated Extract Volume: 10.0(mL) Date Analyzed: 01/12/07 18:45

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
12674-11-2	PCB-1016	0.14	0.57		U
11104-28-2	PCB-1221	0.14	0.57		U
11141-16-5	PCB-1232	0.14	0.57		U
53469-21-9	PCB-1242	0.14	0.57		U
12672-29-6	PCB-1248	0.14	0.57		U
11097-69-1	PCB-1254	0.14	0.57		U
11096-82-5	PCB-1260	0.14	0.57		U

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PCB ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW02D-001

Lab Name: EMPIRICAL LABS Contract: TETRA TECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW003

Matrix: (soil/water) WATER Lab Sample ID: 0701033-01

Sample wt/vol: 960.0 (g/mL) ML Lab File ID: 011F1101

% Moisture: _____ decanted: (Y/N)___ Date Sampled: 01/06/07 11:15

Extraction: (SepF/Cont/Sonc/Soxh) SEPF Date Extracted:11/10/07

Concentrated Extract Volume: 10.0(mL) Date Analyzed: 01/15/07 15:05

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
12674-11-2	PCB-1016	0.13	0.52		U
11104-28-2	PCB-1221	0.13	0.52		U
11141-16-5	PCB-1232	0.13	0.52		U
53469-21-9	PCB-1242	0.13	0.52		U
12672-29-6	PCB-1248	0.13	0.52		U
11097-69-1	PCB-1254	0.13	0.52		U
11096-82-5	PCB-1260	0.13	0.52		U

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PCB ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW
01D2-001

Lab Name: EMPIRICAL LABS Contract: TETRA TECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW003

Matrix: (soil/water) WATER Lab Sample ID: 0701033-02

Sample wt/vol: 980.0 (g/mL) ML Lab File ID: 012F1201

% Moisture: _____ decanted: (Y/N)___ Date Sampled: 01/06/07 10:40

Extraction: (SepF/Cont/Sonc/Soxh) SEPF Date Extracted:11/10/07

Concentrated Extract Volume: 10.0(mL) Date Analyzed: 01/15/07 15:34

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
12674-11-2	PCB-1016	0.13	0.51		U
11104-28-2	PCB-1221	0.13	0.51		U
11141-16-5	PCB-1232	0.13	0.51		U
53469-21-9	PCB-1242	0.13	0.51		U
12672-29-6	PCB-1248	0.13	0.51		U
11097-69-1	PCB-1254	0.13	0.51		U
11096-82-5	PCB-1260	0.13	0.51		U

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CLIENT SAMPLE NO.

OLFS4-MW25S-001

Lab Name: EMPIRICAL LABS Contract: TETRA TECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW003

Matrix: (soil/water) WATER Lab Sample ID: 0701033-03

Sample wt/vol: 920.0 (g/mL) ML Lab File ID: 013F1301

% Moisture: _____ decanted: (Y/N)___ Date Sampled: 01/06/07 15:20

Extraction: (SepF/Cont/Sonc/Soxh) SEPF Date Extracted:11/10/07

Concentrated Extract Volume: 10.0(mL) Date Analyzed: 01/15/07 16:02

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
12674-11-2	PCB-1016	0.14	0.54		U
11104-28-2	PCB-1221	0.14	0.54		U
11141-16-5	PCB-1232	0.14	0.54		U
53469-21-9	PCB-1242	0.14	0.54		U
12672-29-6	PCB-1248	0.14	0.54		U
11097-69-1	PCB-1254	0.14	0.54		U
11096-82-5	PCB-1260	0.14	0.54		U

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PCB ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW09S-001

Lab Name: EMPIRICAL LABS Contract: TETRA TECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW003

Matrix: (soil/water) WATER Lab Sample ID: 0701033-04

Sample wt/vol: 960.0 (g/mL) ML Lab File ID: 014F1401

% Moisture: _____ decanted: (Y/N)___ Date Sampled: 01/06/07 14:30

Extraction: (SepF/Cont/Sonc/Soxh) SEPF Date Extracted:11/10/07

Concentrated Extract Volume: 10.0(mL) Date Analyzed: 01/15/07 16:31

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
12674-11-2	PCB-1016	0.13	0.52		U
11104-28-2	PCB-1221	0.13	0.52		U
11141-16-5	PCB-1232	0.13	0.52		U
53469-21-9	PCB-1242	0.13	0.52		U
12672-29-6	PCB-1248	0.13	0.52		U
11097-69-1	PCB-1254	0.13	0.52		U
11096-82-5	PCB-1260	0.13	0.52		U

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PCB ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW24S-001

Lab Name: EMPIRICAL LABS Contract: TETRA TECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW003

Matrix: (soil/water) WATER Lab Sample ID: 0701033-05

Sample wt/vol: 850.0 (g/mL) ML Lab File ID: 015F1501

% Moisture: _____ decanted: (Y/N)___ Date Sampled: 01/06/07 17:25

Extraction: (SepF/Cont/Sonc/Soxh) SEPF Date Extracted:11/10/07

Concentrated Extract Volume: 10.0(mL) Date Analyzed: 01/15/07 17:00

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
12674-11-2	PCB-1016	0.15	0.59		U
11104-28-2	PCB-1221	0.15	0.59		U
11141-16-5	PCB-1232	0.15	0.59		U
53469-21-9	PCB-1242	0.15	0.59		U
12672-29-6	PCB-1248	0.15	0.59		U
11097-69-1	PCB-1254	0.15	0.59		U
11096-82-5	PCB-1260	0.15	0.59		U

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PCB ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW27S-001

Lab Name: EMPIRICAL LABS Contract: TETRA TECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW003

Matrix: (soil/water) WATER Lab Sample ID: 0701033-06

Sample wt/vol: 960.0 (g/mL) ML Lab File ID: 016F1601

% Moisture: _____ decanted: (Y/N)___ Date Sampled: 01/07/07 11:00

Extraction: (SepF/Cont/Sonc/Soxh) SEPF Date Extracted:11/10/07

Concentrated Extract Volume: 10.0(mL) Date Analyzed: 01/15/07 17:28

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
12674-11-2	PCB-1016	0.13	0.52		U
11104-28-2	PCB-1221	0.13	0.52		U
11141-16-5	PCB-1232	0.13	0.52		U
53469-21-9	PCB-1242	0.13	0.52		U
12672-29-6	PCB-1248	0.13	0.52		U
11097-69-1	PCB-1254	0.13	0.52		U
11096-82-5	PCB-1260	0.13	0.52		U

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PCB ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW21S-001

Lab Name: EMPIRICAL LABS Contract: TETRA TECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW003

Matrix: (soil/water) WATER Lab Sample ID: 0701033-07

Sample wt/vol: 940.0 (g/mL) ML Lab File ID: 017F1701

% Moisture: _____ decanted: (Y/N)___ Date Sampled: 01/07/07 11:00

Extraction: (SepF/Cont/Sonc/Soxh) SEPF Date Extracted: 01/10/07

Concentrated Extract Volume: 10.0(mL) Date Analyzed: 01/15/07 17:57

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
12674-11-2	PCB-1016	0.13	0.53		U
11104-28-2	PCB-1221	0.13	0.53		U
11141-16-5	PCB-1232	0.13	0.53		U
53469-21-9	PCB-1242	0.13	0.53		U
12672-29-6	PCB-1248	0.13	0.53		U
11097-69-1	PCB-1254	0.13	0.53		U
11096-82-5	PCB-1260	0.13	0.53		U

FORM 1
PCB ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW14D-001

Lab Name: EMPIRICAL LABS Contract: TETRA TECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW003

Matrix: (soil/water) WATER Lab Sample ID: 0701033-08

Sample wt/vol: 960.0 (g/mL) ML Lab File ID: 018F1801

% Moisture: _____ decanted: (Y/N)___ Date Sampled: 01/08/07 15:40

Extraction: (SepF/Cont/Sonc/Soxh) SEPF Date Extracted:11/10/07

Concentrated Extract Volume: 10.0(mL) Date Analyzed: 01/15/07 18:25

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
12674-11-2	PCB-1016	0.13	0.52		U
11104-28-2	PCB-1221	0.13	0.52		U
11141-16-5	PCB-1232	0.13	0.52		U
53469-21-9	PCB-1242	0.13	0.52		U
12672-29-6	PCB-1248	0.13	0.52		U
11097-69-1	PCB-1254	0.13	0.52		U
11096-82-5	PCB-1260	0.13	0.52		U

FORM 1
PCB ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW35S-001

Lab Name: EMPIRICAL LABS Contract: TETRA TECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW003

Matrix: (soil/water) WATER Lab Sample ID: 0701033-09

Sample wt/vol: 980.0 (g/mL) ML Lab File ID: 019F1901

% Moisture: _____ decanted: (Y/N)___ Date Sampled: 01/08/07 10:35

Extraction: (SepF/Cont/Sonc/Soxh) SEPF Date Extracted: 11/10/07

Concentrated Extract Volume: 10.0(mL) Date Analyzed: 01/15/07 18:54

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
12674-11-2	PCB-1016	0.13	0.51		U
11104-28-2	PCB-1221	0.13	0.51		U
11141-16-5	PCB-1232	0.13	0.51		U
53469-21-9	PCB-1242	0.13	0.51		U
12672-29-6	PCB-1248	0.13	0.51		U
11097-69-1	PCB-1254	0.13	0.51		U
11096-82-5	PCB-1260	0.13	0.51		U

FORM 1
PCB ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW
35S-001-D

Lab Name: EMPIRICAL LABS Contract: TETRA TECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW003

Matrix: (soil/water) WATER Lab Sample ID: 0701033-10

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 021F2101

% Moisture: _____ decanted: (Y/N)___ Date Sampled: 01/08/07 10:50

Extraction: (SepF/Cont/Sonc/Soxh) SEPF Date Extracted:11/10/07

Concentrated Extract Volume: 10.0(mL) Date Analyzed: 01/15/07 19:51

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
12674-11-2	PCB-1016	0.12	0.50		U
11104-28-2	PCB-1221	0.12	0.50		U
11141-16-5	PCB-1232	0.12	0.50		U
53469-21-9	PCB-1242	0.12	0.50		U
12672-29-6	PCB-1248	0.12	0.50		U
11097-69-1	PCB-1254	0.12	0.50		U
11096-82-5	PCB-1260	0.12	0.50		U

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PCB ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW34S-001

Lab Name: EMPIRICAL LABS Contract: TETRA TECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW003

Matrix: (soil/water) WATER Lab Sample ID: 0701033-11

Sample wt/vol: 920.0 (g/mL) ML Lab File ID: 022F2201

% Moisture: _____ decanted: (Y/N)___ Date Sampled: 01/08/07 10:15

Extraction: (SepF/Cont/Sonc/Soxh) SEPF Date Extracted:11/10/07

Concentrated Extract Volume: 10.0(mL) Date Analyzed: 01/15/07 20:20

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
12674-11-2	PCB-1016	0.14	0.54		U
11104-28-2	PCB-1221	0.14	0.54		U
11141-16-5	PCB-1232	0.14	0.54		U
53469-21-9	PCB-1242	0.14	0.54		U
12672-29-6	PCB-1248	0.14	0.54		U
11097-69-1	PCB-1254	0.14	0.54		U
11096-82-5	PCB-1260	0.14	0.54		U

FORM 1
PCB ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW28S-001

Lab Name: EMPIRICAL LABS Contract: TETRA TECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW003

Matrix: (soil/water) WATER Lab Sample ID: 0701033-12

Sample wt/vol: 970.0 (g/mL) ML Lab File ID: 023F2301

% Moisture: _____ decanted: (Y/N)___ Date Sampled: 01/08/07 12:30

Extraction: (SepF/Cont/Sonc/Soxh) SEPF Date Extracted:11/10/07

Concentrated Extract Volume: 10.0(mL) Date Analyzed: 01/15/07 20:48

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
12674-11-2	PCB-1016	0.13	0.52		U
11104-28-2	PCB-1221	0.13	0.52		U
11141-16-5	PCB-1232	0.13	0.52		U
53469-21-9	PCB-1242	0.13	0.52		U
12672-29-6	PCB-1248	0.13	0.52		U
11097-69-1	PCB-1254	0.13	0.52		U
11096-82-5	PCB-1260	0.13	0.52		U

FORM 1
PRO ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW15S-001

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: Case No.: SAUFLEYW003 SAS No.: NA SDG No.: SAUFLEYW003

Matrix: (soil/water) WATER Lab Sample ID: 0701021-01

Sample wt/vol: 850.0 (g/mL) ML Lab File ID: 054R0101

% Moisture: _____ decanted: (Y/N)___ Date Sampled: 01/04/07 10:45

Extraction: (SepF/Cont/Sonc/Soxh) SEPF Date Extracted:01/08/07

Concentrated Extract Volume: 2.0(mL) Date Analyzed: 01/25/07 06:38

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS: (ug/L or ug/Kg) MG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
	PRO-8-40------Petroleum Range	0.20	0.59	0.33	I

FORM 1
PRO ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW04D-001

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: Case No.: SAUFLEYW003 SAS No.: NA SDG No.: SAUFLEYW003

Matrix: (soil/water) WATER Lab Sample ID: 0701021-02

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 055R0101

% Moisture: _____ decanted: (Y/N)___ Date Sampled: 01/04/07 10:45

Extraction: (SepF/Cont/Sonc/Soxh) SEPF Date Extracted:01/08/07

Concentrated Extract Volume: 2.0(mL) Date Analyzed: 01/25/07 07:22

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS: (ug/L or ug/Kg) MG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
PRO-8-40------	Petroleum Range	0.17	0.50		U

FORM 1
PRO ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW30S-001

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: Case No.: SAUFLEYW003 SAS No.: NA SDG No.: SAUFLEYW003

Matrix: (soil/water) WATER Lab Sample ID: 0701021-04

Sample wt/vol: 970.0 (g/mL) ML Lab File ID: 058R0101

% Moisture: _____ decanted: (Y/N)___ Date Sampled: 01/04/07 16:00

Extraction: (SepF/Cont/Sonc/Soxh) SEPF Date Extracted:01/08/07

Concentrated Extract Volume: 2.0(mL) Date Analyzed: 01/25/07 09:32

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS: (ug/L or ug/Kg) MG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
	PRO-8-40------Petroleum Range	0.18	0.52	3.7	

FORM 1
PRO ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW33S-001

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: Case No.: SAUFLEYW003 SAS No.: NA SDG No.: SAUFLEYW003

Matrix: (soil/water) WATER Lab Sample ID: 0701021-05

Sample wt/vol: 900.0 (g/mL) ML Lab File ID: 059R0101

% Moisture: _____ decanted: (Y/N)___ Date Sampled: 01/04/07 16:05

Extraction: (SepF/Cont/Sonc/Soxh) SEPF Date Extracted:01/08/07

Concentrated Extract Volume: 2.0(mL) Date Analyzed: 01/25/07 10:15

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS: (ug/L or ug/Kg) MG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
	PRO-8-40------Petroleum Range	0.19	0.56		U

FORM 1
PRO ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW29D-001

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: Case No.: SAUFLEYW003 SAS No.: NA SDG No.: SAUFLEYW003

Matrix: (soil/water) WATER Lab Sample ID: 0701028-01

Sample wt/vol: 940.0 (g/mL) ML Lab File ID: 060R0101

% Moisture: _____ decanted: (Y/N)___ Date Sampled: 01/05/07 11:45

Extraction: (SepF/Cont/Sonc/Soxh) SEPF Date Extracted:01/08/07

Concentrated Extract Volume: 2.0(mL) Date Analyzed: 01/25/07 10:58

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS: (ug/L or ug/Kg) MG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
	PRO-8-40------Petroleum Range	0.18	0.53		U

FORM 1
PRO ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW32S-001

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: Case No.: SAUFLEYW003 SAS No.: NA SDG No.: SAUFLEYW003

Matrix: (soil/water) WATER Lab Sample ID: 0701028-02

Sample wt/vol: 920.0 (g/mL) ML Lab File ID: 061R0101

% Moisture: _____ decanted: (Y/N)___ Date Sampled: 01/05/07 11:10

Extraction: (SepF/Cont/Sonc/Soxh) SEPF Date Extracted:01/08/07

Concentrated Extract Volume: 2.0(mL) Date Analyzed: 01/25/07 11:40

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS: (ug/L or ug/Kg) MG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
	PRO-8-40------Petroleum Range	0.18	0.54	6.3	

FORM 1
PRO ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW26D-001

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: Case No.: SAUFLEYW003 SAS No.: NA SDG No.: SAUFLEYW003

Matrix: (soil/water) WATER Lab Sample ID: 0701028-04

Sample wt/vol: 960.0 (g/mL) ML Lab File ID: 063R0101

% Moisture: _____ decanted: (Y/N)___ Date Sampled: 01/05/07 16:20

Extraction: (SepF/Cont/Sonc/Soxh) SEPF Date Extracted:01/08/07

Concentrated Extract Volume: 2.0(mL) Date Analyzed: 01/25/07 13:06

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS: (ug/L or ug/Kg) MG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
	PRO-8-40------Petroleum Range _____	0.18	0.52		U

FORM 1
PRO ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW36S-001

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: Case No.: SAUFLEYW003 SAS No.: NA SDG No.: SAUFLEYW003

Matrix: (soil/water) WATER Lab Sample ID: 0701028-05

Sample wt/vol: 920.0 (g/mL) ML Lab File ID: 064R0101

% Moisture: _____ decanted: (Y/N)___ Date Sampled: 01/05/07 14:45

Extraction: (SepF/Cont/Sonc/Soxh) SEPF Date Extracted:01/08/07

Concentrated Extract Volume: 2.0(mL) Date Analyzed: 01/25/07 13:48

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS: (ug/L or ug/Kg) MG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
	PRO-8-40------Petroleum Range	0.18	0.54		U

FORM 1
PRO ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW31S-001

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: Case No.: SAUFLEYW003 SAS No.: NA SDG No.: SAUFLEYW003

Matrix: (soil/water) WATER Lab Sample ID: 0701028-06

Sample wt/vol: 875.0 (g/mL) ML Lab File ID: 065R0101

% Moisture: _____ decanted: (Y/N)___ Date Sampled: 01/05/07 15:15

Extraction: (SepF/Cont/Sonc/Soxh) SEPF Date Extracted:01/08/07

Concentrated Extract Volume: 2.0(mL) Date Analyzed: 01/25/07 14:31

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS: (ug/L or ug/Kg) MG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
	PRO-8-40------Petroleum Range	0.19	0.57	8.9	

FORM 1
PRO ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW02D-001

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: Case No.: SAUFLEYW003 SAS No.: NA SDG No.: SAUFLEYW003

Matrix: (soil/water) WATER Lab Sample ID: 0701033-01

Sample wt/vol: 940.0 (g/mL) ML Lab File ID: 069R0101

% Moisture: _____ decanted: (Y/N)___ Date Sampled: 01/06/07 11:15

Extraction: (SepF/Cont/Sonc/Soxh) SEPF Date Extracted:01/11/07

Concentrated Extract Volume: 2.0(mL) Date Analyzed: 01/25/07 17:20

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS: (ug/L or ug/Kg) MG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
	PRO-8-40------Petroleum Range	0.18	0.53		U

FORM 1
PRO ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW
01D2-001

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: Case No.: SAUFLEYW003 SAS No.: NA SDG No.: SAUFLEYW003

Matrix: (soil/water) WATER Lab Sample ID: 0701033-02

Sample wt/vol: 960.0 (g/mL) ML Lab File ID: 070R0101

% Moisture: _____ decanted: (Y/N)___ Date Sampled: 01/06/07 10:40

Extraction: (SepF/Cont/Sonc/Soxh) SEPF Date Extracted:01/11/07

Concentrated Extract Volume: 2.0(mL) Date Analyzed: 01/25/07 18:02

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS: (ug/L or ug/Kg) MG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
	PRO-8-40------Petroleum Range	0.18	0.52		U

FORM 1
PRO ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW25S-001

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: Case No.: SAUFLEYW003 SAS No.: NA SDG No.: SAUFLEYW003

Matrix: (soil/water) WATER Lab Sample ID: 0701033-03

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 071R0101

% Moisture: _____ decanted: (Y/N)___ Date Sampled: 01/06/07 15:20

Extraction: (SepF/Cont/Sonc/Soxh) SEPF Date Extracted:01/11/07

Concentrated Extract Volume: 2.0(mL) Date Analyzed: 01/25/07 18:45

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS: (ug/L or ug/Kg) MG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
	PRO-8-40------Petroleum Range _____	0.17	0.50		U

FORM 1
PRO ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW09S-001

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: Case No.: SAUFLEYW003 SAS No.: NA SDG No.: SAUFLEYW003

Matrix: (soil/water) WATER Lab Sample ID: 0701033-04

Sample wt/vol: 900.0 (g/mL) ML Lab File ID: 072R0101

% Moisture: _____ decanted: (Y/N)___ Date Sampled: 01/06/07 14:30

Extraction: (SepF/Cont/Sonc/Soxh) SEPF Date Extracted:01/11/07

Concentrated Extract Volume: 2.0(mL) Date Analyzed: 01/25/07 19:27

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS: (ug/L or ug/Kg) MG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
	PRO-8-40------Petroleum Range	0.19	0.56		U

FORM 1
PRO ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW24S-001

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: Case No.: SAUFLEYW003 SAS No.: NA SDG No.: SAUFLEYW003

Matrix: (soil/water) WATER Lab Sample ID: 0701033-05

Sample wt/vol: 900.0 (g/mL) ML Lab File ID: 074R0101

% Moisture: _____ decanted: (Y/N)___ Date Sampled: 01/06/07 17:25

Extraction: (SepF/Cont/Sonc/Soxh) SEPF Date Extracted:01/11/07

Concentrated Extract Volume: 2.0(mL) Date Analyzed: 01/25/07 20:51

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS: (ug/L or ug/Kg) MG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
	PRO-8-40------Petroleum Range	0.19	0.56		U

FORM 1
PRO ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW27S-001

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: Case No.: SAUFLEYW003 SAS No.: NA SDG No.: SAUFLEYW003

Matrix: (soil/water) WATER Lab Sample ID: 0701033-06

Sample wt/vol: 920.0 (g/mL) ML Lab File ID: 075R0101

% Moisture: _____ decanted: (Y/N)___ Date Sampled: 01/07/07 11:00

Extraction: (SepF/Cont/Sonc/Soxh) SEPF Date Extracted:01/11/07

Concentrated Extract Volume: 2.0(mL) Date Analyzed: 01/25/07 21:32

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS: (ug/L or ug/Kg) MG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
	PRO-8-40------Petroleum Range	0.18	0.54		U

FORM 1
PRO ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW21S-001

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: Case No.: SAUFLEYW003 SAS No.: NA SDG No.: SAUFLEYW003

Matrix: (soil/water) WATER Lab Sample ID: 0701033-07

Sample wt/vol: 800.0 (g/mL) ML Lab File ID: 076R0101

% Moisture: _____ decanted: (Y/N)___ Date Sampled: 01/07/07 11:00

Extraction: (SepF/Cont/Sonc/Soxh) SEPF Date Extracted:01/11/07

Concentrated Extract Volume: 2.0(mL) Date Analyzed: 01/25/07 22:13

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS: (ug/L or ug/Kg) MG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
	PRO-8-40------Petroleum Range	0.21	0.62		U

FORM 1
PRO ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW14D-001

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: Case No.: SAUFLEYW003 SAS No.: NA SDG No.: SAUFLEYW003

Matrix: (soil/water) WATER Lab Sample ID: 0701033-08

Sample wt/vol: 940.0 (g/mL) ML Lab File ID: 077R0101

% Moisture: _____ decanted: (Y/N)___ Date Sampled: 01/08/07 15:40

Extraction: (SepF/Cont/Sonc/Soxh) SEPF Date Extracted:01/11/07

Concentrated Extract Volume: 2.0(mL) Date Analyzed: 01/25/07 22:55

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS: (ug/L or ug/Kg) MG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
	PRO-8-40------Petroleum Range	0.18	0.53		U

FORM 1
PRO ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW35S-001

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: Case No.: SAUFLEYW003 SAS No.: NA SDG No.: SAUFLEYW003

Matrix: (soil/water) WATER Lab Sample ID: 0701033-09

Sample wt/vol: 920.0 (g/mL) ML Lab File ID: 078R0101

% Moisture: _____ decanted: (Y/N)___ Date Sampled: 01/08/07 10:35

Extraction: (SepF/Cont/Sonc/Soxh) SEPF Date Extracted:01/11/07

Concentrated Extract Volume: 2.0(mL) Date Analyzed: 01/25/07 23:36

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) MG/L MDL	RL	CONC	Q
	PRO-8-40------Petroleum Range	0.18	0.54		U

FORM 1
PRO ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW
35S-001-D

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: Case No.: SAUFLEYW003 SAS No.: NA SDG No.: SAUFLEYW003

Matrix: (soil/water) WATER Lab Sample ID: 0701033-10

Sample wt/vol: 920.0 (g/mL) ML Lab File ID: 079R0101

% Moisture: _____ decanted: (Y/N)___ Date Sampled: 01/08/07 10:50

Extraction: (SepF/Cont/Sonc/Soxh) SEPF Date Extracted:01/11/07

Concentrated Extract Volume: 2.0(mL) Date Analyzed: 01/26/07 00:18

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS: (ug/L or ug/Kg) MG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
	PRO-8-40------Petroleum Range _____	0.18	0.54		U

FORM 1
PRO ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW34S-001

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: Case No.: SAUFLEYW003 SAS No.: NA SDG No.: SAUFLEYW003

Matrix: (soil/water) WATER Lab Sample ID: 0701033-11

Sample wt/vol: 875.0 (g/mL) ML Lab File ID: 080R0101

% Moisture: _____ decanted: (Y/N)___ Date Sampled: 01/08/07 10:15

Extraction: (SepF/Cont/Sonc/Soxh) SEPF Date Extracted:01/11/07

Concentrated Extract Volume: 2.0(mL) Date Analyzed: 01/26/07 00:59

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS: (ug/L or ug/Kg) MG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
	PRO-8-40------Petroleum Range	0.19	0.57		U

FORM 1
PRO ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW28S-001

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: Case No.: SAUFLEYW003 SAS No.: NA SDG No.: SAUFLEYW003

Matrix: (soil/water) WATER Lab Sample ID: 0701033-12

Sample wt/vol: 940.0 (g/mL) ML Lab File ID: 081R0101

% Moisture: _____ decanted: (Y/N)___ Date Sampled: 01/08/07 12:30

Extraction: (SepF/Cont/Sonc/Soxh) SEPF Date Extracted:01/11/07

Concentrated Extract Volume: 2.0(mL) Date Analyzed: 01/26/07 01:40

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS: (ug/L or ug/Kg) MG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
	PRO-8-40------Petroleum Range	0.18	0.53		U

Sample Delivery Group Assignment Form

Matrix: WATER
QC LEVEL: EDD/IV 28 day TAT
Analytical Due: 2/5/2007
Report Due: 2/6/2007

Client: TetraTech NUS, Inc.
Project Name: Pensacola Saufley CTO029
SDG #: SaufleyW003

Sample Type/count	Date Sampled	Date Received	Work Order	Client ID	VOA (TCL/IX) 8260B	BNA (TCL/IX) 8270C	Low PAH 8270C	PCB 8082	PRO FLPRO	TAL METALS 6010B/7471	CYANIDE 9012	EDB* 8011
1	1/4/2007	1/5/2007	0701021-01	OLFS4-MW15S-001	X	X	X	X	X	X	X	X
2	1/4/2007	1/5/2007	0701021-02	OLFS4-MW04D-001	MS/MSD	MS/MSD	MS/MSD	MS/MSD	MS/MSD	MS/MSD	MS/MSD	MS/MSD
TB	1/4/2007	1/5/2007	0701021-03	Trip Blank (4312)	X							
3 (HOT)	1/4/2007	1/5/2007	0701021-04	OLFS4-MW30S-001	X	X	X (HOT)	X	X	X	X	X
4	1/4/2007	1/5/2007	0701021-05	OLFS4-MW33S-001	X	X	X	X	X	X	X	X
5	1/5/2007	1/6/2007	0701028-01	OLFS4-MW29D-001	X	X	X	X	X	X	X	X
6	1/5/2007	1/6/2007	0701028-02	OLFS4-MW32S-001	X	X	X	X	X	X	X	X
TB	1/5/2007	1/6/2007	0701028-03	Trip Blank (4313)	X							
7	1/5/2007	1/6/2007	0701028-04	OLFS4-MW26D-001	X	X	X	X	X	X	X	X
8	1/5/2007	1/6/2007	0701028-05	OLFS4-MW36S-001	X	X	X	X	X	X	X	X
9	1/5/2007	1/6/2007	0701028-06	OLFS4-MW31S-001	X	X	X	X	X	X	X	X
10	1/6/2007	1/9/2007	0701033-01	OLFS4-MW02D-001	X	X	X	X	X	X	X	X
11	1/6/2007	1/9/2007	0701033-02	OLFS4-MW01D2-001	X	X	X	X	X	X	X	X
12	1/6/2007	1/9/2007	0701033-03	OLFS4-MW25S-001	X	X	X	X	X	X	X	X
13	1/6/2007	1/9/2007	0701033-04	OLFS4-MW09S-001	X	X	X	X	X	X	X	X
14	1/6/2007	1/9/2007	0701033-05	OLFS4-MW24S-001	X	X	X	X	X	X	X	X
15	1/7/2007	1/9/2007	0701033-06	OLFS4-MW27S-001	X	X	X	X	X	X	X	X
16	1/7/2007	1/9/2007	0701033-07	OLFS4-MW21S-001	X	X	X	X	X	X	X	X
17	1/8/2007	1/9/2007	0701033-08	OLFS4-MW14D-001	X	X	X	X	X	X	X	X
18	1/8/2007	1/9/2007	0701033-09	OLFS4-MW35S-001	X	X	X	X	X	X	X	X
19	1/8/2007	1/9/2007	0701033-10	OLFS4-MW35S-001-D	X	X	X	X	X	X	X	X
20	1/8/2007	1/9/2007	0701033-11	OLFS4-MW34S-001	X	X	X	X	X	X	X	X
21	1/8/2007	1/9/2007	0701033-12	OLFS4-MW28S-001	X	X	X	X	X	X	X	X
TB	1/6/2007	1/9/2007	0701033-13	Trip Blank	X							

HOT = field noted strong petrol odor on the COC. Caution recommended - particularly on the low PAH.

* = EDB analysis subbed to PEL Laboratories - ship the entire SDG 1/9/07.

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW15S-001

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW003

Matrix: (soil/water) WATER Lab Sample ID: 0701021-01

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 0102101

Level: (low/med) LOW Date Sampled: 01/04/07 10:45

% Moisture: not dec. _____ Date Analyzed: 01/08/07 14:32

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
67-64-1	Acetone	1.1	10	4.2	I
75-05-8	Acetonitrile	0.20	1.0		U
107-02-8	Acrolein	4.1	5.0		U
107-13-1	Acrylonitrile	0.95	5.0		U
107-05-1	Allyl chloride	0.20	1.0		U
71-43-2	Benzene	0.11	1.0		U
75-27-4	Bromodichloromethane	0.24	1.0		U
75-25-2	Bromoform	0.24	1.0		U
74-83-9	Bromomethane	0.33	2.0		U
78-93-3	2-Butanone	1.2	10		U
75-15-0	Carbon disulfide	0.13	1.0		U
56-23-5	Carbon tetrachloride	0.14	1.0		U
108-90-7	Chlorobenzene	0.28	1.0		U
75-00-3	Chloroethane	0.38	2.0		U
67-66-3	Chloroform	0.30	1.0	0.54	I
74-87-3	Chloromethane	0.40	2.0	0.55	I
126-99-8	Chloroprene	0.20	1.0		U
110-82-7	Cyclohexane	0.18	2.0		U
124-48-1	Dibromochloromethane	0.080	1.0	0.26	I
96-12-8	1,2-Dibromo-3-chloropropane	0.28	2.0		U
74-95-3	Dibromomethane	0.14	1.0		U
95-50-1	1,2-Dichlorobenzene	0.17	1.0		U
541-73-1	1,3-Dichlorobenzene	0.21	1.0		U
106-46-7	1,4-Dichlorobenzene	0.12	1.0		U
110-57-6	trans-1,4-Dichloro-2-butene	0.60	5.0		U
75-71-8	Dichlorodifluoromethane	0.24	2.0		U
75-34-3	1,1-Dichloroethane	0.15	1.0		U
107-06-2	1,2-Dichloroethane	0.15	1.0		U
75-35-4	1,1-Dichloroethene	0.42	1.0		U
156-59-2	cis-1,2-Dichloroethene	0.44	1.0		U
156-60-5	trans-1,2-Dichloroethene	0.40	1.0	48	
78-87-5	1,2-Dichloropropane	0.18	1.0		U
10061-01-5	cis-1,3-Dichloropropene	0.13	1.0		U
10061-02-6	trans-1,3-Dichloropropene	0.22	1.0		U
123-91-1	1,4-Dioxane	0.20	1.0		U
100-41-4	Ethylbenzene	0.14	1.0		U
97-63-2	Ethyl methacrylate	0.21	1.0		U
591-78-6	2-Hexanone	0.83	5.0		U
74-88-4	Iodomethane	0.19	5.0		U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW15S-001

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW003

Matrix: (soil/water) WATER Lab Sample ID: 0701021-01

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 0102101

Level: (low/med) LOW Date Sampled: 01/04/07 10:45

% Moisture: not dec. _____ Date Analyzed: 01/08/07 14:32

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
78-83-1	Isobutyl alcohol	0.20	1.0		U
98-82-8	Isopropylbenzene	0.25	1.0		U
79-20-9	Methyl acetate	0.87	1.0		U
126-98-7	Methacrylonitrile	0.20	1.0		U
108-87-2	Methyl cyclohexane	0.20	1.0		U
75-09-2	Methylene chloride	0.26	2.0		U
80-62-6	Methyl methacrylate	0.35	1.0		U
108-10-1	4-Methyl-2-pentanone	1.4	5.0		U
1634-04-4	MTBE	0.17	1.0		U
107-12-0	Propionitrile	0.20	1.0		U
100-42-5	Styrene	0.22	1.0		U
630-20-6	1,1,1,2-Tetrachloroethane	0.19	1.0		U
79-34-5	1,1,2,2-Tetrachloroethane	0.22	1.0		U
127-18-4	Tetrachloroethene	0.14	1.0	0.20	I
108-88-3	Toluene	0.18	1.0	0.23	I
87-61-6	1,2,3-Trichlorobenzene	0.16	1.0		U
120-82-1	1,2,4-Trichlorobenzene	0.14	1.0		U
71-55-6	1,1,1-Trichloroethane	0.15	1.0		U
79-00-5	1,1,2-Trichloroethane	0.17	1.0		U
79-01-6	Trichloroethene	0.28	1.0		U
76-13-1	Trichlorotrifluoroethane	0.22	1.0		U
75-69-4	Trichlorofluoromethane	0.15	2.0		U
96-18-4	1,2,3-Trichloropropane	0.31	1.0		U
108-05-4	Vinyl acetate	1.3	5.0		U
75-01-4	Vinyl chloride	0.19	1.0	0.36	I
108-38-3	m,p-Xylene	0.26	1.0		U
95-47-6	o-Xylene	0.21	1.0		U
1330-20-7	Xylene(total)	0.21	1.0		U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW04D-001

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW003

Matrix: (soil/water) WATER Lab Sample ID: 0701021-02

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 0102102

Level: (low/med) LOW Date Sampled: 01/04/07 10:45

% Moisture: not dec. _____ Date Analyzed: 01/08/07 15:04

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
67-64-1	Acetone	1.1	10		U
75-05-8	Acetonitrile	0.20	1.0		U
107-02-8	Acrolein	4.1	5.0		U
107-13-1	Acrylonitrile	0.95	5.0		U
107-05-1	Allyl chloride	0.20	1.0		U
71-43-2	Benzene	0.11	1.0		U
75-27-4	Bromodichloromethane	0.24	1.0		U
75-25-2	Bromoform	0.24	1.0		U
74-83-9	Bromomethane	0.33	2.0		U
78-93-3	2-Butanone	1.2	10		U
75-15-0	Carbon disulfide	0.13	1.0		U
56-23-5	Carbon tetrachloride	0.14	1.0		U
108-90-7	Chlorobenzene	0.28	1.0		U
75-00-3	Chloroethane	0.38	2.0		U
67-66-3	Chloroform	0.30	1.0		U
74-87-3	Chloromethane	0.40	2.0		U
126-99-8	Chloroprene	0.20	1.0		U
110-82-7	Cyclohexane	0.18	2.0		U
124-48-1	Dibromochloromethane	0.080	1.0		U
96-12-8	1,2-Dibromo-3-chloropropane	0.28	2.0		U
74-95-3	Dibromomethane	0.14	1.0		U
95-50-1	1,2-Dichlorobenzene	0.17	1.0		U
541-73-1	1,3-Dichlorobenzene	0.21	1.0		U
106-46-7	1,4-Dichlorobenzene	0.12	1.0		U
110-57-6	trans-1,4-Dichloro-2-butene	0.60	5.0		U
75-71-8	Dichlorodifluoromethane	0.24	2.0		U
75-34-3	1,1-Dichloroethane	0.15	1.0		U
107-06-2	1,2-Dichloroethane	0.15	1.0		U
75-35-4	1,1-Dichloroethene	0.42	1.0		U
156-59-2	cis-1,2-Dichloroethene	0.44	1.0		U
156-60-5	trans-1,2-Dichloroethene	0.40	1.0		U
78-87-5	1,2-Dichloropropane	0.18	1.0		U
10061-01-5	cis-1,3-Dichloropropene	0.13	1.0		U
10061-02-6	trans-1,3-Dichloropropene	0.22	1.0		U
123-91-1	1,4-Dioxane	0.20	1.0		U
100-41-4	Ethylbenzene	0.14	1.0		U
97-63-2	Ethyl methacrylate	0.21	1.0		U
591-78-6	2-Hexanone	0.83	5.0		U
74-88-4	Iodomethane	0.19	5.0		U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW04D-001

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW003

Matrix: (soil/water) WATER Lab Sample ID: 0701021-02

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 0102102

Level: (low/med) LOW Date Sampled: 01/04/07 10:45

% Moisture: not dec. _____ Date Analyzed: 01/08/07 15:04

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
78-83-1	Isobutyl alcohol	0.20	1.0		U
98-82-8	Isopropylbenzene	0.25	1.0		U
79-20-9	Methyl acetate	0.87	1.0		U
126-98-7	Methacrylonitrile	0.20	1.0		U
108-87-2	Methyl cyclohexane	0.20	1.0		U
75-09-2	Methylene chloride	0.26	2.0		U
80-62-6	Methyl methacrylate	0.35	1.0		U
108-10-1	4-Methyl-2-pentanone	1.4	5.0		U
1634-04-4	MTBE	0.17	1.0		U
107-12-0	Propionitrile	0.20	1.0		U
100-42-5	Styrene	0.22	1.0		U
630-20-6	1,1,1,2-Tetrachloroethane	0.19	1.0		U
79-34-5	1,1,2,2-Tetrachloroethane	0.22	1.0		U
127-18-4	Tetrachloroethene	0.14	1.0		U
108-88-3	Toluene	0.18	1.0		U
87-61-6	1,2,3-Trichlorobenzene	0.16	1.0		U
120-82-1	1,2,4-Trichlorobenzene	0.14	1.0		U
71-55-6	1,1,1-Trichloroethane	0.15	1.0		U
79-00-5	1,1,2-Trichloroethane	0.17	1.0		U
79-01-6	Trichloroethene	0.28	1.0		U
76-13-1	Trichlorotrifluoroethane	0.22	1.0		U
75-69-4	Trichlorofluoromethane	0.15	2.0		U
96-18-4	1,2,3-Trichloropropane	0.31	1.0		U
108-05-4	Vinyl acetate	1.3	5.0		U
75-01-4	Vinyl chloride	0.19	1.0		U
108-38-3	m,p-Xylene	0.26	1.0		U
95-47-6	o-Xylene	0.21	1.0		U
1330-20-7	Xylene(total)	0.21	1.0		U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

TRIP BLA
NK (4312)

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW003

Matrix: (soil/water) WATER Lab Sample ID: 0701021-03

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 0102103

Level: (low/med) LOW Date Sampled: 01/04/07 :

% Moisture: not dec. _____ Date Analyzed: 01/08/07 14:00

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
67-64-1	Acetone	1.1	10	6.7	I
75-05-8	Acetonitrile	0.20	1.0		U
107-02-8	Acrolein	4.1	5.0		U
107-13-1	Acrylonitrile	0.95	5.0		U
107-05-1	Allyl chloride	0.20	1.0		U
71-43-2	Benzene	0.11	1.0		U
75-27-4	Bromodichloromethane	0.24	1.0		U
75-25-2	Bromoform	0.24	1.0		U
74-83-9	Bromomethane	0.33	2.0		U
78-93-3	2-Butanone	1.2	10		U
75-15-0	Carbon disulfide	0.13	1.0		U
56-23-5	Carbon tetrachloride	0.14	1.0		U
108-90-7	Chlorobenzene	0.28	1.0		U
75-00-3	Chloroethane	0.38	2.0		U
67-66-3	Chloroform	0.30	1.0		U
74-87-3	Chloromethane	0.40	2.0		U
126-99-8	Chloroprene	0.20	1.0		U
110-82-7	Cyclohexane	0.18	2.0		U
124-48-1	Dibromochloromethane	0.080	1.0		U
96-12-8	1,2-Dibromo-3-chloropropane	0.28	2.0		U
74-95-3	Dibromomethane	0.14	1.0		U
95-50-1	1,2-Dichlorobenzene	0.17	1.0		U
541-73-1	1,3-Dichlorobenzene	0.21	1.0		U
106-46-7	1,4-Dichlorobenzene	0.12	1.0		U
110-57-6	trans-1,4-Dichloro-2-butene	0.60	5.0		U
75-71-8	Dichlorodifluoromethane	0.24	2.0		U
75-34-3	1,1-Dichloroethane	0.15	1.0		U
107-06-2	1,2-Dichloroethane	0.15	1.0		U
75-35-4	1,1-Dichloroethene	0.42	1.0		U
156-59-2	cis-1,2-Dichloroethene	0.44	1.0		U
156-60-5	trans-1,2-Dichloroethene	0.40	1.0		U
78-87-5	1,2-Dichloropropane	0.18	1.0		U
10061-01-5	cis-1,3-Dichloropropene	0.13	1.0		U
10061-02-6	trans-1,3-Dichloropropene	0.22	1.0		U
123-91-1	1,4-Dioxane	0.20	1.0		U
100-41-4	Ethylbenzene	0.14	1.0		U
97-63-2	Ethyl methacrylate	0.21	1.0		U
591-78-6	2-Hexanone	0.83	5.0		U
74-88-4	Iodomethane	0.19	5.0		U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

TRIP BLA
NK (4312)

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW003

Matrix: (soil/water) WATER Lab Sample ID: 0701021-03

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 0102103

Level: (low/med) LOW Date Sampled: 01/04/07 :

% Moisture: not dec. _____ Date Analyzed: 01/08/07 14:00

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
78-83-1	Isobutyl alcohol	0.20	1.0		U
98-82-8	Isopropylbenzene	0.25	1.0		U
79-20-9	Methyl acetate	0.87	1.0		U
126-98-7	Methacrylonitrile	0.20	1.0		U
108-87-2	Methyl cyclohexane	0.20	1.0		U
75-09-2	Methylene chloride	0.26	2.0		U
80-62-6	Methyl methacrylate	0.35	1.0		U
108-10-1	4-Methyl-2-pentanone	1.4	5.0		U
1634-04-4	MTBE	0.17	1.0		U
107-12-0	Propionitrile	0.20	1.0		U
100-42-5	Styrene	0.22	1.0		U
630-20-6	1,1,1,2-Tetrachloroethane	0.19	1.0		U
79-34-5	1,1,2,2-Tetrachloroethane	0.22	1.0		U
127-18-4	Tetrachloroethene	0.14	1.0		U
108-88-3	Toluene	0.18	1.0		U
87-61-6	1,2,3-Trichlorobenzene	0.16	1.0		U
120-82-1	1,2,4-Trichlorobenzene	0.14	1.0		U
71-55-6	1,1,1-Trichloroethane	0.15	1.0		U
79-00-5	1,1,2-Trichloroethane	0.17	1.0		U
79-01-6	Trichloroethene	0.28	1.0		U
76-13-1	Trichlorotrifluoroethane	0.22	1.0		U
75-69-4	Trichlorofluoromethane	0.15	2.0		U
96-18-4	1,2,3-Trichloropropane	0.31	1.0		U
108-05-4	Vinyl acetate	1.3	5.0		U
75-01-4	Vinyl chloride	0.19	1.0		U
108-38-3	m,p-Xylene	0.26	1.0		U
95-47-6	o-Xylene	0.21	1.0		U
1330-20-7	Xylene(total)	0.21	1.0		U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW30S-001

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW003

Matrix: (soil/water) WATER Lab Sample ID: 0701021-04

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 0102104

Level: (low/med) LOW Date Sampled: 01/04/07 16:00

% Moisture: not dec. _____ Date Analyzed: 01/08/07 16:07

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
67-64-1	Acetone	1.1	10	2.5	I
75-05-8	Acetonitrile	0.20	1.0		U
107-02-8	Acrolein	4.1	5.0		U
107-13-1	Acrylonitrile	0.95	5.0		U
107-05-1	Allyl chloride	0.20	1.0		U
71-43-2	Benzene	0.11	1.0		U
75-27-4	Bromodichloromethane	0.24	1.0		U
75-25-2	Bromoform	0.24	1.0		U
74-83-9	Bromomethane	0.33	2.0		U
78-93-3	2-Butanone	1.2	10		U
75-15-0	Carbon disulfide	0.13	1.0		U
56-23-5	Carbon tetrachloride	0.14	1.0		U
108-90-7	Chlorobenzene	0.28	1.0		U
75-00-3	Chloroethane	0.38	2.0		U
67-66-3	Chloroform	0.30	1.0		U
74-87-3	Chloromethane	0.40	2.0		U
126-99-8	Chloroprene	0.20	1.0		U
110-82-7	Cyclohexane	0.18	2.0	0.76	I
124-48-1	Dibromochloromethane	0.080	1.0		U
96-12-8	1,2-Dibromo-3-chloropropane	0.28	2.0		U
74-95-3	Dibromomethane	0.14	1.0		U
95-50-1	1,2-Dichlorobenzene	0.17	1.0		U
541-73-1	1,3-Dichlorobenzene	0.21	1.0		U
106-46-7	1,4-Dichlorobenzene	0.12	1.0		U
110-57-6	trans-1,4-Dichloro-2-butene	0.60	5.0		U
75-71-8	Dichlorodifluoromethane	0.24	2.0		U
75-34-3	1,1-Dichloroethane	0.15	1.0		U
107-06-2	1,2-Dichloroethane	0.15	1.0		U
75-35-4	1,1-Dichloroethene	0.42	1.0		U
156-59-2	cis-1,2-Dichloroethene	0.44	1.0		U
156-60-5	trans-1,2-Dichloroethene	0.40	1.0	3.2	
78-87-5	1,2-Dichloropropane	0.18	1.0		U
10061-01-5	cis-1,3-Dichloropropene	0.13	1.0		U
10061-02-6	trans-1,3-Dichloropropene	0.22	1.0		U
123-91-1	1,4-Dioxane	0.20	1.0		U
100-41-4	Ethylbenzene	0.14	1.0		U
97-63-2	Ethyl methacrylate	0.21	1.0		U
591-78-6	2-Hexanone	0.83	5.0		U
74-88-4	Iodomethane	0.19	5.0		U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW30S-001

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW003

Matrix: (soil/water) WATER Lab Sample ID: 0701021-04

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 0102104

Level: (low/med) LOW Date Sampled: 01/04/07 16:00

% Moisture: not dec. _____ Date Analyzed: 01/08/07 16:07

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
78-83-1	Isobutyl alcohol	0.20	1.0		U
98-82-8	Isopropylbenzene	0.25	1.0	39	
79-20-9	Methyl acetate	0.87	1.0		U
126-98-7	Methacrylonitrile	0.20	1.0		U
108-87-2	Methyl cyclohexane	0.20	1.0	1.4	
75-09-2	Methylene chloride	0.26	2.0		U
80-62-6	Methyl methacrylate	0.35	1.0		U
108-10-1	4-Methyl-2-pentanone	1.4	5.0		U
1634-04-4	MTBE	0.17	1.0		U
107-12-0	Propionitrile	0.20	1.0		U
100-42-5	Styrene	0.22	1.0		U
630-20-6	1,1,1,2-Tetrachloroethane	0.19	1.0		U
79-34-5	1,1,2,2-Tetrachloroethane	0.22	1.0		U
127-18-4	Tetrachloroethene	0.14	1.0		U
108-88-3	Toluene	0.18	1.0		U
87-61-6	1,2,3-Trichlorobenzene	0.16	1.0		U
120-82-1	1,2,4-Trichlorobenzene	0.14	1.0		U
71-55-6	1,1,1-Trichloroethane	0.15	1.0		U
79-00-5	1,1,2-Trichloroethane	0.17	1.0		U
79-01-6	Trichloroethene	0.28	1.0		U
76-13-1	Trichlorotrifluoroethane	0.22	1.0		U
75-69-4	Trichlorofluoromethane	0.15	2.0		U
96-18-4	1,2,3-Trichloropropane	0.31	1.0		U
108-05-4	Vinyl acetate	1.3	5.0		U
75-01-4	Vinyl chloride	0.19	1.0		U
108-38-3	m,p-Xylene	0.26	1.0	0.71	I
95-47-6	o-Xylene	0.21	1.0		U
1330-20-7	Xylene(total)	0.21	1.0	0.66	I

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW33S-001

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW003

Matrix: (soil/water) WATER Lab Sample ID: 0701021-05

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 0102105

Level: (low/med) LOW Date Sampled: 01/04/07 16:05

% Moisture: not dec. _____ Date Analyzed: 01/08/07 15:36

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
67-64-1	Acetone	1.1	10		U
75-05-8	Acetonitrile	0.20	1.0		U
107-02-8	Acrolein	4.1	5.0		U
107-13-1	Acrylonitrile	0.95	5.0		U
107-05-1	Allyl chloride	0.20	1.0		U
71-43-2	Benzene	0.11	1.0		U
75-27-4	Bromodichloromethane	0.24	1.0		U
75-25-2	Bromoform	0.24	1.0		U
74-83-9	Bromomethane	0.33	2.0		U
78-93-3	2-Butanone	1.2	10		U
75-15-0	Carbon disulfide	0.13	1.0		U
56-23-5	Carbon tetrachloride	0.14	1.0		U
108-90-7	Chlorobenzene	0.28	1.0		U
75-00-3	Chloroethane	0.38	2.0		U
67-66-3	Chloroform	0.30	1.0		U
74-87-3	Chloromethane	0.40	2.0		U
126-99-8	Chloroprene	0.20	1.0		U
110-82-7	Cyclohexane	0.18	2.0		U
124-48-1	Dibromochloromethane	0.080	1.0		U
96-12-8	1,2-Dibromo-3-chloropropane	0.28	2.0		U
74-95-3	Dibromomethane	0.14	1.0		U
95-50-1	1,2-Dichlorobenzene	0.17	1.0		U
541-73-1	1,3-Dichlorobenzene	0.21	1.0		U
106-46-7	1,4-Dichlorobenzene	0.12	1.0		U
110-57-6	trans-1,4-Dichloro-2-butene	0.60	5.0		U
75-71-8	Dichlorodifluoromethane	0.24	2.0		U
75-34-3	1,1-Dichloroethane	0.15	1.0		U
107-06-2	1,2-Dichloroethane	0.15	1.0		U
75-35-4	1,1-Dichloroethene	0.42	1.0		U
156-59-2	cis-1,2-Dichloroethene	0.44	1.0		U
156-60-5	trans-1,2-Dichloroethene	0.40	1.0		U
78-87-5	1,2-Dichloropropane	0.18	1.0		U
10061-01-5	cis-1,3-Dichloropropene	0.13	1.0		U
10061-02-6	trans-1,3-Dichloropropene	0.22	1.0		U
123-91-1	1,4-Dioxane	0.20	1.0		U
100-41-4	Ethylbenzene	0.14	1.0		U
97-63-2	Ethyl methacrylate	0.21	1.0		U
591-78-6	2-Hexanone	0.83	5.0		U
74-88-4	Iodomethane	0.19	5.0		U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW33S-001

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW003

Matrix: (soil/water) WATER Lab Sample ID: 0701021-05

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 0102105

Level: (low/med) LOW Date Sampled: 01/04/07 16:05

% Moisture: not dec. _____ Date Analyzed: 01/08/07 15:36

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
78-83-1	Isobutyl alcohol	0.20	1.0		U
98-82-8	Isopropylbenzene	0.25	1.0		U
79-20-9	Methyl acetate	0.87	1.0		U
126-98-7	Methacrylonitrile	0.20	1.0		U
108-87-2	Methyl cyclohexane	0.20	1.0		U
75-09-2	Methylene chloride	0.26	2.0		U
80-62-6	Methyl methacrylate	0.35	1.0		U
108-10-1	4-Methyl-2-pentanone	1.4	5.0		U
1634-04-4	MTBE	0.17	1.0		U
107-12-0	Propionitrile	0.20	1.0		U
100-42-5	Styrene	0.22	1.0		U
630-20-6	1,1,1,2-Tetrachloroethane	0.19	1.0		U
79-34-5	1,1,2,2-Tetrachloroethane	0.22	1.0		U
127-18-4	Tetrachloroethene	0.14	1.0		U
108-88-3	Toluene	0.18	1.0		U
87-61-6	1,2,3-Trichlorobenzene	0.16	1.0		U
120-82-1	1,2,4-Trichlorobenzene	0.14	1.0		U
71-55-6	1,1,1-Trichloroethane	0.15	1.0		U
79-00-5	1,1,2-Trichloroethane	0.17	1.0		U
79-01-6	Trichloroethene	0.28	1.0		U
76-13-1	Trichlorotrifluoroethane	0.22	1.0		U
75-69-4	Trichlorofluoromethane	0.15	2.0		U
96-18-4	1,2,3-Trichloropropane	0.31	1.0		U
108-05-4	Vinyl acetate	1.3	5.0		U
75-01-4	Vinyl chloride	0.19	1.0		U
108-38-3	m,p-Xylene	0.26	1.0		U
95-47-6	o-Xylene	0.21	1.0		U
1330-20-7	Xylene(total)	0.21	1.0		U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW29D-001

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW003

Matrix: (soil/water) WATER Lab Sample ID: 0701028-01

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 0102801

Level: (low/med) LOW Date Sampled: 01/05/07 11:45

% Moisture: not dec. _____ Date Analyzed: 01/10/07 14:10

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
67-64-1	Acetone	1.1	10	3.7	I
75-05-8	Acetonitrile	0.20	1.0		U
107-02-8	Acrolein	4.1	5.0		U
107-13-1	Acrylonitrile	0.95	5.0		U
107-05-1	Allyl chloride	0.20	1.0		U
71-43-2	Benzene	0.11	1.0		U
75-27-4	Bromodichloromethane	0.24	1.0		U
75-25-2	Bromoform	0.24	1.0		U
74-83-9	Bromomethane	0.33	2.0		U
78-93-3	2-Butanone	1.2	10		U
75-15-0	Carbon disulfide	0.13	1.0		U
56-23-5	Carbon tetrachloride	0.14	1.0		U
108-90-7	Chlorobenzene	0.28	1.0		U
75-00-3	Chloroethane	0.38	2.0		U
67-66-3	Chloroform	0.30	1.0	0.35	I
74-87-3	Chloromethane	0.40	2.0		U
126-99-8	Chloroprene	0.20	1.0		U
110-82-7	Cyclohexane	0.18	2.0		U
124-48-1	Dibromochloromethane	0.080	1.0		U
96-12-8	1,2-Dibromo-3-chloropropane	0.28	2.0		U
74-95-3	Dibromomethane	0.14	1.0		U
95-50-1	1,2-Dichlorobenzene	0.17	1.0		U
541-73-1	1,3-Dichlorobenzene	0.21	1.0		U
106-46-7	1,4-Dichlorobenzene	0.12	1.0		U
110-57-6	trans-1,4-Dichloro-2-butene	0.60	5.0		U
75-71-8	Dichlorodifluoromethane	0.24	2.0		U
75-34-3	1,1-Dichloroethane	0.15	1.0		U
107-06-2	1,2-Dichloroethane	0.15	1.0		U
75-35-4	1,1-Dichloroethene	0.42	1.0		U
156-59-2	cis-1,2-Dichloroethene	0.44	1.0		U
156-60-5	trans-1,2-Dichloroethene	0.40	1.0		U
78-87-5	1,2-Dichloropropane	0.18	1.0		U
10061-01-5	cis-1,3-Dichloropropene	0.13	1.0		U
10061-02-6	trans-1,3-Dichloropropene	0.22	1.0		U
123-91-1	1,4-Dioxane	0.20	1.0		U
100-41-4	Ethylbenzene	0.14	1.0		U
97-63-2	Ethyl methacrylate	0.21	1.0		U
591-78-6	2-Hexanone	0.83	5.0		U
74-88-4	Iodomethane	0.19	5.0		U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW29D-001

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW003

Matrix: (soil/water) WATER Lab Sample ID: 0701028-01

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 0102801

Level: (low/med) LOW Date Sampled: 01/05/07 11:45

% Moisture: not dec. _____ Date Analyzed: 01/10/07 14:10

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
78-83-1	Isobutyl alcohol	0.20	1.0		U
98-82-8	Isopropylbenzene	0.25	1.0		U
79-20-9	Methyl acetate	0.87	1.0		U
126-98-7	Methacrylonitrile	0.20	1.0		U
108-87-2	Methyl cyclohexane	0.20	1.0		U
75-09-2	Methylene chloride	0.26	2.0		U
80-62-6	Methyl methacrylate	0.35	1.0		U
108-10-1	4-Methyl-2-pentanone	1.4	5.0		U
1634-04-4	MTBE	0.17	1.0		U
107-12-0	Propionitrile	0.20	1.0		U
100-42-5	Styrene	0.22	1.0		U
630-20-6	1,1,1,2-Tetrachloroethane	0.19	1.0		U
79-34-5	1,1,2,2-Tetrachloroethane	0.22	1.0		U
127-18-4	Tetrachloroethene	0.14	1.0		U
108-88-3	Toluene	0.18	1.0		U
87-61-6	1,2,3-Trichlorobenzene	0.16	1.0		U
120-82-1	1,2,4-Trichlorobenzene	0.14	1.0		U
71-55-6	1,1,1-Trichloroethane	0.15	1.0		U
79-00-5	1,1,2-Trichloroethane	0.17	1.0		U
79-01-6	Trichloroethene	0.28	1.0		U
76-13-1	Trichlorotrifluoroethane	0.22	1.0		U
75-69-4	Trichlorofluoromethane	0.15	2.0		U
96-18-4	1,2,3-Trichloropropane	0.31	1.0		U
108-05-4	Vinyl acetate	1.3	5.0		U
75-01-4	Vinyl chloride	0.19	1.0		U
108-38-3	m,p-Xylene	0.26	1.0		U
95-47-6	o-Xylene	0.21	1.0		U
1330-20-7	Xylene(total)	0.21	1.0		U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW32S-001

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW003

Matrix: (soil/water) WATER Lab Sample ID: 0701028-02

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 0102802

Level: (low/med) LOW Date Sampled: 01/05/07 11:10

% Moisture: not dec. _____ Date Analyzed: 01/11/07 02:51

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
67-64-1	Acetone	1.1	10	16	
75-05-8	Acetonitrile	0.20	1.0		U
107-02-8	Acrolein	4.1	5.0		U
107-13-1	Acrylonitrile	0.95	5.0		U
107-05-1	Allyl chloride	0.20	1.0		U
71-43-2	Benzene	0.11	1.0		U
75-27-4	Bromodichloromethane	0.24	1.0		U
75-25-2	Bromoform	0.24	1.0		U
74-83-9	Bromomethane	0.33	2.0		U
78-93-3	2-Butanone	1.2	10		U
75-15-0	Carbon disulfide	0.13	1.0		U
56-23-5	Carbon tetrachloride	0.14	1.0		U
108-90-7	Chlorobenzene	0.28	1.0		U
75-00-3	Chloroethane	0.38	2.0		U
67-66-3	Chloroform	0.30	1.0		U
74-87-3	Chloromethane	0.40	2.0		U
126-99-8	Chloroprene	0.20	1.0		U
110-82-7	Cyclohexane	0.18	2.0	4.2	
124-48-1	Dibromochloromethane	0.080	1.0		U
96-12-8	1,2-Dibromo-3-chloropropane	0.28	2.0		U
74-95-3	Dibromomethane	0.14	1.0		U
95-50-1	1,2-Dichlorobenzene	0.17	1.0		U
541-73-1	1,3-Dichlorobenzene	0.21	1.0		U
106-46-7	1,4-Dichlorobenzene	0.12	1.0		U
110-57-6	trans-1,4-Dichloro-2-butene	0.60	5.0		U
75-71-8	Dichlorodifluoromethane	0.24	2.0		U
75-34-3	1,1-Dichloroethane	0.15	1.0		U
107-06-2	1,2-Dichloroethane	0.15	1.0		U
75-35-4	1,1-Dichloroethene	0.42	1.0		U
156-59-2	cis-1,2-Dichloroethene	0.44	1.0		U
156-60-5	trans-1,2-Dichloroethene	0.40	1.0		U
78-87-5	1,2-Dichloropropane	0.18	1.0		U
10061-01-5	cis-1,3-Dichloropropene	0.13	1.0		U
10061-02-6	trans-1,3-Dichloropropene	0.22	1.0		U
123-91-1	1,4-Dioxane	0.20	1.0		U
100-41-4	Ethylbenzene	0.14	1.0	110	
97-63-2	Ethyl methacrylate	0.21	1.0		U
591-78-6	2-Hexanone	0.83	5.0		U
74-88-4	Iodomethane	0.19	5.0		U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW32S-001

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW003

Matrix: (soil/water) WATER Lab Sample ID: 0701028-02

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 0102802

Level: (low/med) LOW Date Sampled: 01/05/07 11:10

% Moisture: not dec. _____ Date Analyzed: 01/11/07 02:51

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
78-83-1	Isobutyl alcohol	0.20	1.0		U
98-82-8	Isopropylbenzene	0.25	1.0	80	
79-20-9	Methyl acetate	0.87	1.0		U
126-98-7	Methacrylonitrile	0.20	1.0		U
108-87-2	Methyl cyclohexane	0.20	1.0	16	
75-09-2	Methylene chloride	0.26	2.0		U
80-62-6	Methyl methacrylate	0.35	1.0		U
108-10-1	4-Methyl-2-pentanone	1.4	5.0		U
1634-04-4	MTBE	0.17	1.0		U
107-12-0	Propionitrile	0.20	1.0		U
100-42-5	Styrene	0.22	1.0		U
630-20-6	1,1,1,2-Tetrachloroethane	0.19	1.0		U
79-34-5	1,1,2,2-Tetrachloroethane	0.22	1.0		U
127-18-4	Tetrachloroethene	0.14	1.0		U
108-88-3	Toluene	0.18	1.0	4.8	
87-61-6	1,2,3-Trichlorobenzene	0.16	1.0		U
120-82-1	1,2,4-Trichlorobenzene	0.14	1.0		U
71-55-6	1,1,1-Trichloroethane	0.15	1.0		U
79-00-5	1,1,2-Trichloroethane	0.17	1.0		U
79-01-6	Trichloroethene	0.28	1.0		U
76-13-1	Trichlorotrifluoroethane	0.22	1.0		U
75-69-4	Trichlorofluoromethane	0.15	2.0		U
96-18-4	1,2,3-Trichloropropane	0.31	1.0		U
108-05-4	Vinyl acetate	1.3	5.0		U
75-01-4	Vinyl chloride	0.19	1.0		U
108-38-3	m,p-Xylene	0.26	1.0	560	L
95-47-6	o-Xylene	0.21	1.0	320	L
1330-20-7	Xylene(total)	0.21	1.0	840	L

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW32S-001

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW003

Matrix: (soil/water) WATER Lab Sample ID: 0701028-02

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 0102802D

Level: (low/med) LOW Date Sampled: 01/05/07 11:10

% Moisture: not dec. _____ Date Analyzed: 01/11/07 06:55

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 5.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
67-64-1	Acetone	5.4	50	16	ID
75-05-8	Acetonitrile	1.0	5.0		UD
107-02-8	Acrolein	20	25		UD
107-13-1	Acrylonitrile	4.8	25		UD
107-05-1	Allyl chloride	1.0	5.0		UD
71-43-2	Benzene	0.55	5.0		UD
75-27-4	Bromodichloromethane	1.2	5.0		UD
75-25-2	Bromoform	1.2	5.0		UD
74-83-9	Bromomethane	1.6	10		UD
78-93-3	2-Butanone	6.2	50		UD
75-15-0	Carbon disulfide	0.65	5.0		UD
56-23-5	Carbon tetrachloride	0.70	5.0		UD
108-90-7	Chlorobenzene	1.4	5.0		UD
75-00-3	Chloroethane	1.9	10		UD
67-66-3	Chloroform	1.5	5.0		UD
74-87-3	Chloromethane	2.0	10		UD
126-99-8	Chloroprene	1.0	5.0		UD
110-82-7	Cyclohexane	0.90	10	2.4	ID
124-48-1	Dibromochloromethane	0.40	5.0		UD
96-12-8	1,2-Dibromo-3-chloropropane	1.4	10		UD
74-95-3	Dibromomethane	0.70	5.0		UD
95-50-1	1,2-Dichlorobenzene	0.85	5.0		UD
541-73-1	1,3-Dichlorobenzene	1.0	5.0		UD
106-46-7	1,4-Dichlorobenzene	0.60	5.0		UD
110-57-6	trans-1,4-Dichloro-2-butene	3.0	25		UD
75-71-8	Dichlorodifluoromethane	1.2	10		UD
75-34-3	1,1-Dichloroethane	0.75	5.0		UD
107-06-2	1,2-Dichloroethane	0.75	5.0		UD
75-35-4	1,1-Dichloroethene	2.1	5.0		UD
156-59-2	cis-1,2-Dichloroethene	2.2	5.0		UD
156-60-5	trans-1,2-Dichloroethene	2.0	5.0		UD
78-87-5	1,2-Dichloropropane	0.90	5.0		UD
10061-01-5	cis-1,3-Dichloropropene	0.65	5.0		UD
10061-02-6	trans-1,3-Dichloropropene	1.1	5.0		UD
123-91-1	1,4-Dioxane	1.0	5.0		UD
100-41-4	Ethylbenzene	0.70	5.0	76	D
97-63-2	Ethyl methacrylate	1.0	5.0		UD
591-78-6	2-Hexanone	4.2	25		UD
74-88-4	Iodomethane	0.95	25		UD

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW32S-001

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW003

Matrix: (soil/water) WATER Lab Sample ID: 0701028-02

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 0102802D

Level: (low/med) LOW Date Sampled: 01/05/07 11:10

% Moisture: not dec. _____ Date Analyzed: 01/11/07 06:55

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 5.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
78-83-1	Isobutyl alcohol	1.0	5.0		UD
98-82-8	Isopropylbenzene	1.2	5.0	50	D
79-20-9	Methyl acetate	4.4	5.0		UD
126-98-7	Methacrylonitrile	1.0	5.0		UD
108-87-2	Methyl cyclohexane	1.0	5.0	8.3	D
75-09-2	Methylene chloride	1.3	10		UD
80-62-6	Methyl methacrylate	1.8	5.0		UD
108-10-1	4-Methyl-2-pentanone	7.2	25		UD
1634-04-4	MTBE	0.85	5.0		UD
107-12-0	Propionitrile	1.0	5.0		UD
100-42-5	Styrene	1.1	5.0		UD
630-20-6	1,1,1,2-Tetrachloroethane	0.95	5.0		UD
79-34-5	1,1,2,2-Tetrachloroethane	1.1	5.0		UD
127-18-4	Tetrachloroethene	0.70	5.0		UD
108-88-3	Toluene	0.90	5.0	3.5	ID
87-61-6	1,2,3-Trichlorobenzene	0.80	5.0		UD
120-82-1	1,2,4-Trichlorobenzene	0.70	5.0		UD
71-55-6	1,1,1-Trichloroethane	0.75	5.0		UD
79-00-5	1,1,2-Trichloroethane	0.85	5.0		UD
79-01-6	Trichloroethene	1.4	5.0		UD
76-13-1	Trichlorotrifluoroethane	1.1	5.0		UD
75-69-4	Trichlorofluoromethane	0.75	10		UD
96-18-4	1,2,3-Trichloropropane	1.6	5.0		UD
108-05-4	Vinyl acetate	6.5	25		UD
75-01-4	Vinyl chloride	0.95	5.0		UD
108-38-3	m,p-Xylene	1.3	5.0	420	D
95-47-6	o-Xylene	1.0	5.0	220	D
1330-20-7	Xylene(total)	1.0	5.0	610	D

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

TRIP BLA
NK (4313)

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW003

Matrix: (soil/water) WATER Lab Sample ID: 0701028-03

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 0102803

Level: (low/med) LOW Date Sampled: 01/05/07 :

% Moisture: not dec. _____ Date Analyzed: 01/10/07 13:06

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
67-64-1	Acetone	1.1	10	6.7	I
75-05-8	Acetonitrile	0.20	1.0		U
107-02-8	Acrolein	4.1	5.0		U
107-13-1	Acrylonitrile	0.95	5.0		U
107-05-1	Allyl chloride	0.20	1.0		U
71-43-2	Benzene	0.11	1.0		U
75-27-4	Bromodichloromethane	0.24	1.0		U
75-25-2	Bromoform	0.24	1.0		U
74-83-9	Bromomethane	0.33	2.0		U
78-93-3	2-Butanone	1.2	10		U
75-15-0	Carbon disulfide	0.13	1.0		U
56-23-5	Carbon tetrachloride	0.14	1.0		U
108-90-7	Chlorobenzene	0.28	1.0		U
75-00-3	Chloroethane	0.38	2.0		U
67-66-3	Chloroform	0.30	1.0		U
74-87-3	Chloromethane	0.40	2.0		U
126-99-8	Chloroprene	0.20	1.0		U
110-82-7	Cyclohexane	0.18	2.0		U
124-48-1	Dibromochloromethane	0.080	1.0		U
96-12-8	1,2-Dibromo-3-chloropropane	0.28	2.0		U
74-95-3	Dibromomethane	0.14	1.0		U
95-50-1	1,2-Dichlorobenzene	0.17	1.0		U
541-73-1	1,3-Dichlorobenzene	0.21	1.0		U
106-46-7	1,4-Dichlorobenzene	0.12	1.0		U
110-57-6	trans-1,4-Dichloro-2-butene	0.60	5.0		U
75-71-8	Dichlorodifluoromethane	0.24	2.0		U
75-34-3	1,1-Dichloroethane	0.15	1.0		U
107-06-2	1,2-Dichloroethane	0.15	1.0		U
75-35-4	1,1-Dichloroethene	0.42	1.0		U
156-59-2	cis-1,2-Dichloroethene	0.44	1.0		U
156-60-5	trans-1,2-Dichloroethene	0.40	1.0		U
78-87-5	1,2-Dichloropropane	0.18	1.0		U
10061-01-5	cis-1,3-Dichloropropene	0.13	1.0		U
10061-02-6	trans-1,3-Dichloropropene	0.22	1.0		U
123-91-1	1,4-Dioxane	0.20	1.0		U
100-41-4	Ethylbenzene	0.14	1.0		U
97-63-2	Ethyl methacrylate	0.21	1.0		U
591-78-6	2-Hexanone	0.83	5.0		U
74-88-4	Iodomethane	0.19	5.0		U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

TRIP BLA
NK (4313)

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW003

Matrix: (soil/water) WATER Lab Sample ID: 0701028-03

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 0102803

Level: (low/med) LOW Date Sampled: 01/05/07 :

% Moisture: not dec. _____ Date Analyzed: 01/10/07 13:06

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
78-83-1	Isobutyl alcohol	0.20	1.0		U
98-82-8	Isopropylbenzene	0.25	1.0		U
79-20-9	Methyl acetate	0.87	1.0		U
126-98-7	Methacrylonitrile	0.20	1.0		U
108-87-2	Methyl cyclohexane	0.20	1.0		U
75-09-2	Methylene chloride	0.26	2.0		U
80-62-6	Methyl methacrylate	0.35	1.0		U
108-10-1	4-Methyl-2-pentanone	1.4	5.0		U
1634-04-4	MTBE	0.17	1.0		U
107-12-0	Propionitrile	0.20	1.0		U
100-42-5	Styrene	0.22	1.0		U
630-20-6	1,1,1,2-Tetrachloroethane	0.19	1.0		U
79-34-5	1,1,2,2-Tetrachloroethane	0.22	1.0		U
127-18-4	Tetrachloroethene	0.14	1.0		U
108-88-3	Toluene	0.18	1.0		U
87-61-6	1,2,3-Trichlorobenzene	0.16	1.0		U
120-82-1	1,2,4-Trichlorobenzene	0.14	1.0		U
71-55-6	1,1,1-Trichloroethane	0.15	1.0		U
79-00-5	1,1,2-Trichloroethane	0.17	1.0		U
79-01-6	Trichloroethene	0.28	1.0		U
76-13-1	Trichlorotrifluoroethane	0.22	1.0		U
75-69-4	Trichlorofluoromethane	0.15	2.0		U
96-18-4	1,2,3-Trichloropropane	0.31	1.0		U
108-05-4	Vinyl acetate	1.3	5.0		U
75-01-4	Vinyl chloride	0.19	1.0		U
108-38-3	m,p-Xylene	0.26	1.0		U
95-47-6	o-Xylene	0.21	1.0		U
1330-20-7	Xylene(total)	0.21	1.0		U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW26D-001

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW003

Matrix: (soil/water) WATER Lab Sample ID: 0701028-04

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 0102804

Level: (low/med) LOW Date Sampled: 01/05/07 16:20

% Moisture: not dec. _____ Date Analyzed: 01/10/07 14:41

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
67-64-1	Acetone	1.1	10		U
75-05-8	Acetonitrile	0.20	1.0		U
107-02-8	Acrolein	4.1	5.0		U
107-13-1	Acrylonitrile	0.95	5.0		U
107-05-1	Allyl chloride	0.20	1.0		U
71-43-2	Benzene	0.11	1.0		U
75-27-4	Bromodichloromethane	0.24	1.0		U
75-25-2	Bromoform	0.24	1.0		U
74-83-9	Bromomethane	0.33	2.0		U
78-93-3	2-Butanone	1.2	10		U
75-15-0	Carbon disulfide	0.13	1.0		U
56-23-5	Carbon tetrachloride	0.14	1.0		U
108-90-7	Chlorobenzene	0.28	1.0		U
75-00-3	Chloroethane	0.38	2.0		U
67-66-3	Chloroform	0.30	1.0		U
74-87-3	Chloromethane	0.40	2.0	0.42	I
126-99-8	Chloroprene	0.20	1.0		U
110-82-7	Cyclohexane	0.18	2.0		U
124-48-1	Dibromochloromethane	0.080	1.0		U
96-12-8	1,2-Dibromo-3-chloropropane	0.28	2.0		U
74-95-3	Dibromomethane	0.14	1.0		U
95-50-1	1,2-Dichlorobenzene	0.17	1.0		U
541-73-1	1,3-Dichlorobenzene	0.21	1.0		U
106-46-7	1,4-Dichlorobenzene	0.12	1.0		U
110-57-6	trans-1,4-Dichloro-2-butene	0.60	5.0		U
75-71-8	Dichlorodifluoromethane	0.24	2.0		U
75-34-3	1,1-Dichloroethane	0.15	1.0		U
107-06-2	1,2-Dichloroethane	0.15	1.0		U
75-35-4	1,1-Dichloroethene	0.42	1.0		U
156-59-2	cis-1,2-Dichloroethene	0.44	1.0		U
156-60-5	trans-1,2-Dichloroethene	0.40	1.0		U
78-87-5	1,2-Dichloropropane	0.18	1.0		U
10061-01-5	cis-1,3-Dichloropropene	0.13	1.0		U
10061-02-6	trans-1,3-Dichloropropene	0.22	1.0		U
123-91-1	1,4-Dioxane	0.20	1.0		U
100-41-4	Ethylbenzene	0.14	1.0		U
97-63-2	Ethyl methacrylate	0.21	1.0		U
591-78-6	2-Hexanone	0.83	5.0		U
74-88-4	Iodomethane	0.19	5.0		U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW26D-001

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW003

Matrix: (soil/water) WATER Lab Sample ID: 0701028-04

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 0102804

Level: (low/med) LOW Date Sampled: 01/05/07 16:20

% Moisture: not dec. _____ Date Analyzed: 01/10/07 14:41

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
78-83-1	Isobutyl alcohol	0.20	1.0		U
98-82-8	Isopropylbenzene	0.25	1.0		U
79-20-9	Methyl acetate	0.87	1.0		U
126-98-7	Methacrylonitrile	0.20	1.0		U
108-87-2	Methyl cyclohexane	0.20	1.0		U
75-09-2	Methylene chloride	0.26	2.0		U
80-62-6	Methyl methacrylate	0.35	1.0		U
108-10-1	4-Methyl-2-pentanone	1.4	5.0		U
1634-04-4	MTBE	0.17	1.0		U
107-12-0	Propionitrile	0.20	1.0		U
100-42-5	Styrene	0.22	1.0		U
630-20-6	1,1,1,2-Tetrachloroethane	0.19	1.0		U
79-34-5	1,1,2,2-Tetrachloroethane	0.22	1.0		U
127-18-4	Tetrachloroethene	0.14	1.0		U
108-88-3	Toluene	0.18	1.0		U
87-61-6	1,2,3-Trichlorobenzene	0.16	1.0		U
120-82-1	1,2,4-Trichlorobenzene	0.14	1.0		U
71-55-6	1,1,1-Trichloroethane	0.15	1.0		U
79-00-5	1,1,2-Trichloroethane	0.17	1.0		U
79-01-6	Trichloroethene	0.28	1.0		U
76-13-1	Trichlorotrifluoroethane	0.22	1.0		U
75-69-4	Trichlorofluoromethane	0.15	2.0		U
96-18-4	1,2,3-Trichloropropane	0.31	1.0		U
108-05-4	Vinyl acetate	1.3	5.0		U
75-01-4	Vinyl chloride	0.19	1.0		U
108-38-3	m,p-Xylene	0.26	1.0		U
95-47-6	o-Xylene	0.21	1.0		U
1330-20-7	Xylene(total)	0.21	1.0		U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW36S-001

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW003

Matrix: (soil/water) WATER Lab Sample ID: 0701028-05

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 0102805

Level: (low/med) LOW Date Sampled: 01/05/07 14:45

% Moisture: not dec. _____ Date Analyzed: 01/10/07 15:13

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
67-64-1	Acetone	1.1	10		U
75-05-8	Acetonitrile	0.20	1.0		U
107-02-8	Acrolein	4.1	5.0		U
107-13-1	Acrylonitrile	0.95	5.0		U
107-05-1	Allyl chloride	0.20	1.0		U
71-43-2	Benzene	0.11	1.0		U
75-27-4	Bromodichloromethane	0.24	1.0		U
75-25-2	Bromoform	0.24	1.0		U
74-83-9	Bromomethane	0.33	2.0		U
78-93-3	2-Butanone	1.2	10		U
75-15-0	Carbon disulfide	0.13	1.0		U
56-23-5	Carbon tetrachloride	0.14	1.0		U
108-90-7	Chlorobenzene	0.28	1.0		U
75-00-3	Chloroethane	0.38	2.0		U
67-66-3	Chloroform	0.30	1.0		U
74-87-3	Chloromethane	0.40	2.0		U
126-99-8	Chloroprene	0.20	1.0		U
110-82-7	Cyclohexane	0.18	2.0		U
124-48-1	Dibromochloromethane	0.080	1.0		U
96-12-8	1,2-Dibromo-3-chloropropane	0.28	2.0		U
74-95-3	Dibromomethane	0.14	1.0		U
95-50-1	1,2-Dichlorobenzene	0.17	1.0		U
541-73-1	1,3-Dichlorobenzene	0.21	1.0		U
106-46-7	1,4-Dichlorobenzene	0.12	1.0		U
110-57-6	trans-1,4-Dichloro-2-butene	0.60	5.0		U
75-71-8	Dichlorodifluoromethane	0.24	2.0		U
75-34-3	1,1-Dichloroethane	0.15	1.0		U
107-06-2	1,2-Dichloroethane	0.15	1.0		U
75-35-4	1,1-Dichloroethene	0.42	1.0		U
156-59-2	cis-1,2-Dichloroethene	0.44	1.0		U
156-60-5	trans-1,2-Dichloroethene	0.40	1.0		U
78-87-5	1,2-Dichloropropane	0.18	1.0		U
10061-01-5	cis-1,3-Dichloropropene	0.13	1.0		U
10061-02-6	trans-1,3-Dichloropropene	0.22	1.0		U
123-91-1	1,4-Dioxane	0.20	1.0		U
100-41-4	Ethylbenzene	0.14	1.0		U
97-63-2	Ethyl methacrylate	0.21	1.0		U
591-78-6	2-Hexanone	0.83	5.0		U
74-88-4	Iodomethane	0.19	5.0		U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW36S-001

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW003

Matrix: (soil/water) WATER Lab Sample ID: 0701028-05

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 0102805

Level: (low/med) LOW Date Sampled: 01/05/07 14:45

% Moisture: not dec. _____ Date Analyzed: 01/10/07 15:13

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
78-83-1	Isobutyl alcohol	0.20	1.0		U
98-82-8	Isopropylbenzene	0.25	1.0		U
79-20-9	Methyl acetate	0.87	1.0		U
126-98-7	Methacrylonitrile	0.20	1.0		U
108-87-2	Methyl cyclohexane	0.20	1.0		U
75-09-2	Methylene chloride	0.26	2.0		U
80-62-6	Methyl methacrylate	0.35	1.0		U
108-10-1	4-Methyl-2-pentanone	1.4	5.0		U
1634-04-4	MTBE	0.17	1.0		U
107-12-0	Propionitrile	0.20	1.0		U
100-42-5	Styrene	0.22	1.0		U
630-20-6	1,1,1,2-Tetrachloroethane	0.19	1.0		U
79-34-5	1,1,2,2-Tetrachloroethane	0.22	1.0		U
127-18-4	Tetrachloroethene	0.14	1.0		U
108-88-3	Toluene	0.18	1.0		U
87-61-6	1,2,3-Trichlorobenzene	0.16	1.0		U
120-82-1	1,2,4-Trichlorobenzene	0.14	1.0		U
71-55-6	1,1,1-Trichloroethane	0.15	1.0		U
79-00-5	1,1,2-Trichloroethane	0.17	1.0		U
79-01-6	Trichloroethene	0.28	1.0		U
76-13-1	Trichlorotrifluoroethane	0.22	1.0		U
75-69-4	Trichlorofluoromethane	0.15	2.0	0.16	I
96-18-4	1,2,3-Trichloropropane	0.31	1.0		U
108-05-4	Vinyl acetate	1.3	5.0		U
75-01-4	Vinyl chloride	0.19	1.0		U
108-38-3	m,p-Xylene	0.26	1.0		U
95-47-6	o-Xylene	0.21	1.0		U
1330-20-7	Xylene(total)	0.21	1.0		U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW31S-001

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW003

Matrix: (soil/water) WATER Lab Sample ID: 0701028-06

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 0102806

Level: (low/med) LOW Date Sampled: 01/05/07 15:15

% Moisture: not dec. _____ Date Analyzed: 01/11/07 03:53

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
67-64-1	Acetone	1.1	10	14	
75-05-8	Acetonitrile	0.20	1.0		U
107-02-8	Acrolein	4.1	5.0		U
107-13-1	Acrylonitrile	0.95	5.0		U
107-05-1	Allyl chloride	0.20	1.0		U
71-43-2	Benzene	0.11	1.0	0.20	I
75-27-4	Bromodichloromethane	0.24	1.0		U
75-25-2	Bromoform	0.24	1.0		U
74-83-9	Bromomethane	0.33	2.0		U
78-93-3	2-Butanone	1.2	10		U
75-15-0	Carbon disulfide	0.13	1.0		U
56-23-5	Carbon tetrachloride	0.14	1.0		U
108-90-7	Chlorobenzene	0.28	1.0		U
75-00-3	Chloroethane	0.38	2.0		U
67-66-3	Chloroform	0.30	1.0		U
74-87-3	Chloromethane	0.40	2.0		U
126-99-8	Chloroprene	0.20	1.0		U
110-82-7	Cyclohexane	0.18	2.0	0.27	I
124-48-1	Dibromochloromethane	0.080	1.0		U
96-12-8	1,2-Dibromo-3-chloropropane	0.28	2.0		U
74-95-3	Dibromomethane	0.14	1.0		U
95-50-1	1,2-Dichlorobenzene	0.17	1.0		U
541-73-1	1,3-Dichlorobenzene	0.21	1.0		U
106-46-7	1,4-Dichlorobenzene	0.12	1.0		U
110-57-6	trans-1,4-Dichloro-2-butene	0.60	5.0		U
75-71-8	Dichlorodifluoromethane	0.24	2.0		U
75-34-3	1,1-Dichloroethane	0.15	1.0		U
107-06-2	1,2-Dichloroethane	0.15	1.0		U
75-35-4	1,1-Dichloroethene	0.42	1.0		U
156-59-2	cis-1,2-Dichloroethene	0.44	1.0		U
156-60-5	trans-1,2-Dichloroethene	0.40	1.0	1.1	
78-87-5	1,2-Dichloropropane	0.18	1.0		U
10061-01-5	cis-1,3-Dichloropropene	0.13	1.0		U
10061-02-6	trans-1,3-Dichloropropene	0.22	1.0		U
123-91-1	1,4-Dioxane	0.20	1.0		U
100-41-4	Ethylbenzene	0.14	1.0	35	
97-63-2	Ethyl methacrylate	0.21	1.0		U
591-78-6	2-Hexanone	0.83	5.0		U
74-88-4	Iodomethane	0.19	5.0		U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW31S-001

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW003

Matrix: (soil/water) WATER Lab Sample ID: 0701028-06

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 0102806

Level: (low/med) LOW Date Sampled: 01/05/07 15:15

% Moisture: not dec. _____ Date Analyzed: 01/11/07 03:53

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
78-83-1	Isobutyl alcohol	0.20	1.0		U
98-82-8	Isopropylbenzene	0.25	1.0	28	
79-20-9	Methyl acetate	0.87	1.0		U
126-98-7	Methacrylonitrile	0.20	1.0		U
108-87-2	Methyl cyclohexane	0.20	1.0	1.2	
75-09-2	Methylene chloride	0.26	2.0		U
80-62-6	Methyl methacrylate	0.35	1.0		U
108-10-1	4-Methyl-2-pentanone	1.4	5.0		U
1634-04-4	MTBE	0.17	1.0		U
107-12-0	Propionitrile	0.20	1.0		U
100-42-5	Styrene	0.22	1.0		U
630-20-6	1,1,1,2-Tetrachloroethane	0.19	1.0		U
79-34-5	1,1,2,2-Tetrachloroethane	0.22	1.0		U
127-18-4	Tetrachloroethene	0.14	1.0		U
108-88-3	Toluene	0.18	1.0	0.25	I
87-61-6	1,2,3-Trichlorobenzene	0.16	1.0		U
120-82-1	1,2,4-Trichlorobenzene	0.14	1.0		U
71-55-6	1,1,1-Trichloroethane	0.15	1.0		U
79-00-5	1,1,2-Trichloroethane	0.17	1.0		U
79-01-6	Trichloroethene	0.28	1.0		U
76-13-1	Trichlorotrifluoroethane	0.22	1.0		U
75-69-4	Trichlorofluoromethane	0.15	2.0		U
96-18-4	1,2,3-Trichloropropane	0.31	1.0		U
108-05-4	Vinyl acetate	1.3	5.0		U
75-01-4	Vinyl chloride	0.19	1.0		U
108-38-3	m,p-Xylene	0.26	1.0	25	
95-47-6	o-Xylene	0.21	1.0	0.32	I
1330-20-7	Xylene(total)	0.21	1.0	24	

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW02D-001

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW003

Matrix: (soil/water) WATER Lab Sample ID: 0701033-01

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 0103301

Level: (low/med) LOW Date Sampled: 01/06/07 11:15

% Moisture: not dec. _____ Date Analyzed: 01/10/07 15:45

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
67-64-1	Acetone	1.1	10		U
75-05-8	Acetonitrile	0.20	1.0		U
107-02-8	Acrolein	4.1	5.0		U
107-13-1	Acrylonitrile	0.95	5.0		U
107-05-1	Allyl chloride	0.20	1.0		U
71-43-2	Benzene	0.11	1.0		U
75-27-4	Bromodichloromethane	0.24	1.0		U
75-25-2	Bromoform	0.24	1.0		U
74-83-9	Bromomethane	0.33	2.0		U
78-93-3	2-Butanone	1.2	10		U
75-15-0	Carbon disulfide	0.13	1.0		U
56-23-5	Carbon tetrachloride	0.14	1.0		U
108-90-7	Chlorobenzene	0.28	1.0		U
75-00-3	Chloroethane	0.38	2.0		U
67-66-3	Chloroform	0.30	1.0		U
74-87-3	Chloromethane	0.40	2.0		U
126-99-8	Chloroprene	0.20	1.0		U
110-82-7	Cyclohexane	0.18	2.0		U
124-48-1	Dibromochloromethane	0.080	1.0		U
96-12-8	1,2-Dibromo-3-chloropropane	0.28	2.0		U
74-95-3	Dibromomethane	0.14	1.0		U
95-50-1	1,2-Dichlorobenzene	0.17	1.0		U
541-73-1	1,3-Dichlorobenzene	0.21	1.0		U
106-46-7	1,4-Dichlorobenzene	0.12	1.0		U
110-57-6	trans-1,4-Dichloro-2-butene	0.60	5.0		U
75-71-8	Dichlorodifluoromethane	0.24	2.0		U
75-34-3	1,1-Dichloroethane	0.15	1.0		U
107-06-2	1,2-Dichloroethane	0.15	1.0		U
75-35-4	1,1-Dichloroethene	0.42	1.0		U
156-59-2	cis-1,2-Dichloroethene	0.44	1.0		U
156-60-5	trans-1,2-Dichloroethene	0.40	1.0		U
78-87-5	1,2-Dichloropropane	0.18	1.0		U
10061-01-5	cis-1,3-Dichloropropene	0.13	1.0		U
10061-02-6	trans-1,3-Dichloropropene	0.22	1.0		U
123-91-1	1,4-Dioxane	0.20	1.0		U
100-41-4	Ethylbenzene	0.14	1.0		U
97-63-2	Ethyl methacrylate	0.21	1.0		U
591-78-6	2-Hexanone	0.83	5.0		U
74-88-4	Iodomethane	0.19	5.0		U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW02D-001

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW003

Matrix: (soil/water) WATER Lab Sample ID: 0701033-01

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 0103301

Level: (low/med) LOW Date Sampled: 01/06/07 11:15

% Moisture: not dec. _____ Date Analyzed: 01/10/07 15:45

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
78-83-1	Isobutyl alcohol	0.20	1.0		U
98-82-8	Isopropylbenzene	0.25	1.0		U
79-20-9	Methyl acetate	0.87	1.0		U
126-98-7	Methacrylonitrile	0.20	1.0		U
108-87-2	Methyl cyclohexane	0.20	1.0		U
75-09-2	Methylene chloride	0.26	2.0		U
80-62-6	Methyl methacrylate	0.35	1.0		U
108-10-1	4-Methyl-2-pentanone	1.4	5.0		U
1634-04-4	MTBE	0.17	1.0		U
107-12-0	Propionitrile	0.20	1.0		U
100-42-5	Styrene	0.22	1.0		U
630-20-6	1,1,1,2-Tetrachloroethane	0.19	1.0		U
79-34-5	1,1,2,2-Tetrachloroethane	0.22	1.0		U
127-18-4	Tetrachloroethene	0.14	1.0		U
108-88-3	Toluene	0.18	1.0		U
87-61-6	1,2,3-Trichlorobenzene	0.16	1.0		U
120-82-1	1,2,4-Trichlorobenzene	0.14	1.0		U
71-55-6	1,1,1-Trichloroethane	0.15	1.0		U
79-00-5	1,1,2-Trichloroethane	0.17	1.0		U
79-01-6	Trichloroethene	0.28	1.0		U
76-13-1	Trichlorotrifluoroethane	0.22	1.0		U
75-69-4	Trichlorofluoromethane	0.15	2.0		U
96-18-4	1,2,3-Trichloropropane	0.31	1.0		U
108-05-4	Vinyl acetate	1.3	5.0		U
75-01-4	Vinyl chloride	0.19	1.0		U
108-38-3	m,p-Xylene	0.26	1.0		U
95-47-6	o-Xylene	0.21	1.0		U
1330-20-7	Xylene(total)	0.21	1.0		U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.
OLFS4-MW
01D2-001

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW003

Matrix: (soil/water) WATER Lab Sample ID: 0701033-02

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 0103302

Level: (low/med) LOW Date Sampled: 01/06/07 10:40

% Moisture: not dec. _____ Date Analyzed: 01/10/07 16:17

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
67-64-1	Acetone	1.1	10		U
75-05-8	Acetonitrile	0.20	1.0		U
107-02-8	Acrolein	4.1	5.0		U
107-13-1	Acrylonitrile	0.95	5.0		U
107-05-1	Allyl chloride	0.20	1.0		U
71-43-2	Benzene	0.11	1.0		U
75-27-4	Bromodichloromethane	0.24	1.0		U
75-25-2	Bromoform	0.24	1.0		U
74-83-9	Bromomethane	0.33	2.0		U
78-93-3	2-Butanone	1.2	10		U
75-15-0	Carbon disulfide	0.13	1.0		U
56-23-5	Carbon tetrachloride	0.14	1.0		U
108-90-7	Chlorobenzene	0.28	1.0		U
75-00-3	Chloroethane	0.38	2.0		U
67-66-3	Chloroform	0.30	1.0	0.49	I
74-87-3	Chloromethane	0.40	2.0		U
126-99-8	Chloroprene	0.20	1.0		U
110-82-7	Cyclohexane	0.18	2.0		U
124-48-1	Dibromochloromethane	0.080	1.0		U
96-12-8	1,2-Dibromo-3-chloropropane	0.28	2.0		U
74-95-3	Dibromomethane	0.14	1.0		U
95-50-1	1,2-Dichlorobenzene	0.17	1.0		U
541-73-1	1,3-Dichlorobenzene	0.21	1.0		U
106-46-7	1,4-Dichlorobenzene	0.12	1.0		U
110-57-6	trans-1,4-Dichloro-2-butene	0.60	5.0		U
75-71-8	Dichlorodifluoromethane	0.24	2.0		U
75-34-3	1,1-Dichloroethane	0.15	1.0		U
107-06-2	1,2-Dichloroethane	0.15	1.0		U
75-35-4	1,1-Dichloroethene	0.42	1.0		U
156-59-2	cis-1,2-Dichloroethene	0.44	1.0		U
156-60-5	trans-1,2-Dichloroethene	0.40	1.0		U
78-87-5	1,2-Dichloropropane	0.18	1.0		U
10061-01-5	cis-1,3-Dichloropropene	0.13	1.0		U
10061-02-6	trans-1,3-Dichloropropene	0.22	1.0		U
123-91-1	1,4-Dioxane	0.20	1.0		U
100-41-4	Ethylbenzene	0.14	1.0		U
97-63-2	Ethyl methacrylate	0.21	1.0		U
591-78-6	2-Hexanone	0.83	5.0		U
74-88-4	Iodomethane	0.19	5.0		U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.
OLFS4-MW
01D2-001

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW003

Matrix: (soil/water) WATER Lab Sample ID: 0701033-02

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 0103302

Level: (low/med) LOW Date Sampled: 01/06/07 10:40

% Moisture: not dec. _____ Date Analyzed: 01/10/07 16:17

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
78-83-1	Isobutyl alcohol	0.20	1.0		U
98-82-8	Isopropylbenzene	0.25	1.0		U
79-20-9	Methyl acetate	0.87	1.0		U
126-98-7	Methacrylonitrile	0.20	1.0		U
108-87-2	Methyl cyclohexane	0.20	1.0		U
75-09-2	Methylene chloride	0.26	2.0		U
80-62-6	Methyl methacrylate	0.35	1.0		U
108-10-1	4-Methyl-2-pentanone	1.4	5.0		U
1634-04-4	MTBE	0.17	1.0		U
107-12-0	Propionitrile	0.20	1.0		U
100-42-5	Styrene	0.22	1.0		U
630-20-6	1,1,1,2-Tetrachloroethane	0.19	1.0		U
79-34-5	1,1,2,2-Tetrachloroethane	0.22	1.0		U
127-18-4	Tetrachloroethene	0.14	1.0		U
108-88-3	Toluene	0.18	1.0		U
87-61-6	1,2,3-Trichlorobenzene	0.16	1.0		U
120-82-1	1,2,4-Trichlorobenzene	0.14	1.0		U
71-55-6	1,1,1-Trichloroethane	0.15	1.0		U
79-00-5	1,1,2-Trichloroethane	0.17	1.0		U
79-01-6	Trichloroethene	0.28	1.0		U
76-13-1	Trichlorotrifluoroethane	0.22	1.0		U
75-69-4	Trichlorofluoromethane	0.15	2.0		U
96-18-4	1,2,3-Trichloropropane	0.31	1.0		U
108-05-4	Vinyl acetate	1.3	5.0		U
75-01-4	Vinyl chloride	0.19	1.0		U
108-38-3	m,p-Xylene	0.26	1.0		U
95-47-6	o-Xylene	0.21	1.0		U
1330-20-7	Xylene(total)	0.21	1.0		U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW25S-001

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW003

Matrix: (soil/water) WATER Lab Sample ID: 0701033-03

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 0103303

Level: (low/med) LOW Date Sampled: 01/06/07 15:20

% Moisture: not dec. _____ Date Analyzed: 01/10/07 16:49

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
67-64-1	Acetone	1.1	10		U
75-05-8	Acetonitrile	0.20	1.0		U
107-02-8	Acrolein	4.1	5.0		U
107-13-1	Acrylonitrile	0.95	5.0		U
107-05-1	Allyl chloride	0.20	1.0		U
71-43-2	Benzene	0.11	1.0		U
75-27-4	Bromodichloromethane	0.24	1.0		U
75-25-2	Bromoform	0.24	1.0		U
74-83-9	Bromomethane	0.33	2.0		U
78-93-3	2-Butanone	1.2	10		U
75-15-0	Carbon disulfide	0.13	1.0		U
56-23-5	Carbon tetrachloride	0.14	1.0		U
108-90-7	Chlorobenzene	0.28	1.0		U
75-00-3	Chloroethane	0.38	2.0		U
67-66-3	Chloroform	0.30	1.0		U
74-87-3	Chloromethane	0.40	2.0		U
126-99-8	Chloroprene	0.20	1.0		U
110-82-7	Cyclohexane	0.18	2.0		U
124-48-1	Dibromochloromethane	0.080	1.0		U
96-12-8	1,2-Dibromo-3-chloropropane	0.28	2.0		U
74-95-3	Dibromomethane	0.14	1.0		U
95-50-1	1,2-Dichlorobenzene	0.17	1.0		U
541-73-1	1,3-Dichlorobenzene	0.21	1.0		U
106-46-7	1,4-Dichlorobenzene	0.12	1.0		U
110-57-6	trans-1,4-Dichloro-2-butene	0.60	5.0		U
75-71-8	Dichlorodifluoromethane	0.24	2.0		U
75-34-3	1,1-Dichloroethane	0.15	1.0		U
107-06-2	1,2-Dichloroethane	0.15	1.0		U
75-35-4	1,1-Dichloroethene	0.42	1.0		U
156-59-2	cis-1,2-Dichloroethene	0.44	1.0	0.61	I
156-60-5	trans-1,2-Dichloroethene	0.40	1.0		U
78-87-5	1,2-Dichloropropane	0.18	1.0		U
10061-01-5	cis-1,3-Dichloropropene	0.13	1.0		U
10061-02-6	trans-1,3-Dichloropropene	0.22	1.0		U
123-91-1	1,4-Dioxane	0.20	1.0		U
100-41-4	Ethylbenzene	0.14	1.0		U
97-63-2	Ethyl methacrylate	0.21	1.0		U
591-78-6	2-Hexanone	0.83	5.0		U
74-88-4	Iodomethane	0.19	5.0		U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW25S-001

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW003

Matrix: (soil/water) WATER Lab Sample ID: 0701033-03

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 0103303

Level: (low/med) LOW Date Sampled: 01/06/07 15:20

% Moisture: not dec. _____ Date Analyzed: 01/10/07 16:49

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
78-83-1	Isobutyl alcohol	0.20	1.0		U
98-82-8	Isopropylbenzene	0.25	1.0		U
79-20-9	Methyl acetate	0.87	1.0		U
126-98-7	Methacrylonitrile	0.20	1.0		U
108-87-2	Methyl cyclohexane	0.20	1.0		U
75-09-2	Methylene chloride	0.26	2.0		U
80-62-6	Methyl methacrylate	0.35	1.0		U
108-10-1	4-Methyl-2-pentanone	1.4	5.0		U
1634-04-4	MTBE	0.17	1.0		U
107-12-0	Propionitrile	0.20	1.0		U
100-42-5	Styrene	0.22	1.0		U
630-20-6	1,1,1,2-Tetrachloroethane	0.19	1.0		U
79-34-5	1,1,2,2-Tetrachloroethane	0.22	1.0		U
127-18-4	Tetrachloroethene	0.14	1.0		U
108-88-3	Toluene	0.18	1.0		U
87-61-6	1,2,3-Trichlorobenzene	0.16	1.0		U
120-82-1	1,2,4-Trichlorobenzene	0.14	1.0		U
71-55-6	1,1,1-Trichloroethane	0.15	1.0		U
79-00-5	1,1,2-Trichloroethane	0.17	1.0		U
79-01-6	Trichloroethene	0.28	1.0		U
76-13-1	Trichlorotrifluoroethane	0.22	1.0		U
75-69-4	Trichlorofluoromethane	0.15	2.0		U
96-18-4	1,2,3-Trichloropropane	0.31	1.0		U
108-05-4	Vinyl acetate	1.3	5.0		U
75-01-4	Vinyl chloride	0.19	1.0		U
108-38-3	m,p-Xylene	0.26	1.0		U
95-47-6	o-Xylene	0.21	1.0		U
1330-20-7	Xylene(total)	0.21	1.0		U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW09S-001

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW003

Matrix: (soil/water) WATER Lab Sample ID: 0701033-04

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 0103304

Level: (low/med) LOW Date Sampled: 01/06/07 14:30

% Moisture: not dec. _____ Date Analyzed: 01/10/07 17:20

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
67-64-1	Acetone	1.1	10		U
75-05-8	Acetonitrile	0.20	1.0		U
107-02-8	Acrolein	4.1	5.0		U
107-13-1	Acrylonitrile	0.95	5.0		U
107-05-1	Allyl chloride	0.20	1.0		U
71-43-2	Benzene	0.11	1.0		U
75-27-4	Bromodichloromethane	0.24	1.0		U
75-25-2	Bromoform	0.24	1.0		U
74-83-9	Bromomethane	0.33	2.0		U
78-93-3	2-Butanone	1.2	10		U
75-15-0	Carbon disulfide	0.13	1.0	4.3	
56-23-5	Carbon tetrachloride	0.14	1.0		U
108-90-7	Chlorobenzene	0.28	1.0		U
75-00-3	Chloroethane	0.38	2.0		U
67-66-3	Chloroform	0.30	1.0		U
74-87-3	Chloromethane	0.40	2.0		U
126-99-8	Chloroprene	0.20	1.0		U
110-82-7	Cyclohexane	0.18	2.0		U
124-48-1	Dibromochloromethane	0.080	1.0		U
96-12-8	1,2-Dibromo-3-chloropropane	0.28	2.0		U
74-95-3	Dibromomethane	0.14	1.0		U
95-50-1	1,2-Dichlorobenzene	0.17	1.0		U
541-73-1	1,3-Dichlorobenzene	0.21	1.0		U
106-46-7	1,4-Dichlorobenzene	0.12	1.0		U
110-57-6	trans-1,4-Dichloro-2-butene	0.60	5.0		U
75-71-8	Dichlorodifluoromethane	0.24	2.0		U
75-34-3	1,1-Dichloroethane	0.15	1.0		U
107-06-2	1,2-Dichloroethane	0.15	1.0		U
75-35-4	1,1-Dichloroethene	0.42	1.0		U
156-59-2	cis-1,2-Dichloroethene	0.44	1.0		U
156-60-5	trans-1,2-Dichloroethene	0.40	1.0		U
78-87-5	1,2-Dichloropropane	0.18	1.0		U
10061-01-5	cis-1,3-Dichloropropene	0.13	1.0		U
10061-02-6	trans-1,3-Dichloropropene	0.22	1.0		U
123-91-1	1,4-Dioxane	0.20	1.0		U
100-41-4	Ethylbenzene	0.14	1.0		U
97-63-2	Ethyl methacrylate	0.21	1.0		U
591-78-6	2-Hexanone	0.83	5.0		U
74-88-4	Iodomethane	0.19	5.0		U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW09S-001

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW003

Matrix: (soil/water) WATER Lab Sample ID: 0701033-04

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 0103304

Level: (low/med) LOW Date Sampled: 01/06/07 14:30

% Moisture: not dec. _____ Date Analyzed: 01/10/07 17:20

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
78-83-1	Isobutyl alcohol	0.20	1.0		U
98-82-8	Isopropylbenzene	0.25	1.0		U
79-20-9	Methyl acetate	0.87	1.0		U
126-98-7	Methacrylonitrile	0.20	1.0		U
108-87-2	Methyl cyclohexane	0.20	1.0		U
75-09-2	Methylene chloride	0.26	2.0		U
80-62-6	Methyl methacrylate	0.35	1.0		U
108-10-1	4-Methyl-2-pentanone	1.4	5.0		U
1634-04-4	MTBE	0.17	1.0		U
107-12-0	Propionitrile	0.20	1.0		U
100-42-5	Styrene	0.22	1.0		U
630-20-6	1,1,1,2-Tetrachloroethane	0.19	1.0		U
79-34-5	1,1,2,2-Tetrachloroethane	0.22	1.0		U
127-18-4	Tetrachloroethene	0.14	1.0		U
108-88-3	Toluene	0.18	1.0		U
87-61-6	1,2,3-Trichlorobenzene	0.16	1.0		U
120-82-1	1,2,4-Trichlorobenzene	0.14	1.0		U
71-55-6	1,1,1-Trichloroethane	0.15	1.0		U
79-00-5	1,1,2-Trichloroethane	0.17	1.0		U
79-01-6	Trichloroethene	0.28	1.0		U
76-13-1	Trichlorotrifluoroethane	0.22	1.0		U
75-69-4	Trichlorofluoromethane	0.15	2.0		U
96-18-4	1,2,3-Trichloropropane	0.31	1.0		U
108-05-4	Vinyl acetate	1.3	5.0		U
75-01-4	Vinyl chloride	0.19	1.0		U
108-38-3	m,p-Xylene	0.26	1.0		U
95-47-6	o-Xylene	0.21	1.0		U
1330-20-7	Xylene(total)	0.21	1.0		U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW24S-001

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW003

Matrix: (soil/water) WATER Lab Sample ID: 0701033-05

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 0103305

Level: (low/med) LOW Date Sampled: 01/06/07 17:25

% Moisture: not dec. _____ Date Analyzed: 01/10/07 17:52

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
67-64-1	Acetone	1.1	10		U
75-05-8	Acetonitrile	0.20	1.0		U
107-02-8	Acrolein	4.1	5.0		U
107-13-1	Acrylonitrile	0.95	5.0		U
107-05-1	Allyl chloride	0.20	1.0		U
71-43-2	Benzene	0.11	1.0		U
75-27-4	Bromodichloromethane	0.24	1.0		U
75-25-2	Bromoform	0.24	1.0		U
74-83-9	Bromomethane	0.33	2.0		U
78-93-3	2-Butanone	1.2	10		U
75-15-0	Carbon disulfide	0.13	1.0		U
56-23-5	Carbon tetrachloride	0.14	1.0		U
108-90-7	Chlorobenzene	0.28	1.0		U
75-00-3	Chloroethane	0.38	2.0		U
67-66-3	Chloroform	0.30	1.0	0.43	I
74-87-3	Chloromethane	0.40	2.0		U
126-99-8	Chloroprene	0.20	1.0		U
110-82-7	Cyclohexane	0.18	2.0		U
124-48-1	Dibromochloromethane	0.080	1.0		U
96-12-8	1,2-Dibromo-3-chloropropane	0.28	2.0		U
74-95-3	Dibromomethane	0.14	1.0		U
95-50-1	1,2-Dichlorobenzene	0.17	1.0		U
541-73-1	1,3-Dichlorobenzene	0.21	1.0		U
106-46-7	1,4-Dichlorobenzene	0.12	1.0		U
110-57-6	trans-1,4-Dichloro-2-butene	0.60	5.0		U
75-71-8	Dichlorodifluoromethane	0.24	2.0		U
75-34-3	1,1-Dichloroethane	0.15	1.0		U
107-06-2	1,2-Dichloroethane	0.15	1.0		U
75-35-4	1,1-Dichloroethene	0.42	1.0		U
156-59-2	cis-1,2-Dichloroethene	0.44	1.0		U
156-60-5	trans-1,2-Dichloroethene	0.40	1.0		U
78-87-5	1,2-Dichloropropane	0.18	1.0		U
10061-01-5	cis-1,3-Dichloropropene	0.13	1.0		U
10061-02-6	trans-1,3-Dichloropropene	0.22	1.0		U
123-91-1	1,4-Dioxane	0.20	1.0		U
100-41-4	Ethylbenzene	0.14	1.0		U
97-63-2	Ethyl methacrylate	0.21	1.0		U
591-78-6	2-Hexanone	0.83	5.0		U
74-88-4	Iodomethane	0.19	5.0		U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW24S-001

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW003

Matrix: (soil/water) WATER Lab Sample ID: 0701033-05

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 0103305

Level: (low/med) LOW Date Sampled: 01/06/07 17:25

% Moisture: not dec. _____ Date Analyzed: 01/10/07 17:52

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
78-83-1	Isobutyl alcohol	0.20	1.0		U
98-82-8	Isopropylbenzene	0.25	1.0		U
79-20-9	Methyl acetate	0.87	1.0		U
126-98-7	Methacrylonitrile	0.20	1.0		U
108-87-2	Methyl cyclohexane	0.20	1.0		U
75-09-2	Methylene chloride	0.26	2.0		U
80-62-6	Methyl methacrylate	0.35	1.0		U
108-10-1	4-Methyl-2-pentanone	1.4	5.0		U
1634-04-4	MTBE	0.17	1.0		U
107-12-0	Propionitrile	0.20	1.0		U
100-42-5	Styrene	0.22	1.0		U
630-20-6	1,1,1,2-Tetrachloroethane	0.19	1.0		U
79-34-5	1,1,2,2-Tetrachloroethane	0.22	1.0		U
127-18-4	Tetrachloroethene	0.14	1.0	0.34	I
108-88-3	Toluene	0.18	1.0		U
87-61-6	1,2,3-Trichlorobenzene	0.16	1.0		U
120-82-1	1,2,4-Trichlorobenzene	0.14	1.0		U
71-55-6	1,1,1-Trichloroethane	0.15	1.0		U
79-00-5	1,1,2-Trichloroethane	0.17	1.0		U
79-01-6	Trichloroethene	0.28	1.0		U
76-13-1	Trichlorotrifluoroethane	0.22	1.0		U
75-69-4	Trichlorofluoromethane	0.15	2.0		U
96-18-4	1,2,3-Trichloropropane	0.31	1.0		U
108-05-4	Vinyl acetate	1.3	5.0		U
75-01-4	Vinyl chloride	0.19	1.0		U
108-38-3	m,p-Xylene	0.26	1.0		U
95-47-6	o-Xylene	0.21	1.0		U
1330-20-7	Xylene(total)	0.21	1.0		U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW27S-001

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW003

Matrix: (soil/water) WATER Lab Sample ID: 0701033-06

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 0103306

Level: (low/med) LOW Date Sampled: 01/07/07 11:00

% Moisture: not dec. _____ Date Analyzed: 01/10/07 18:24

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
67-64-1	Acetone	1.1	10	7.9	I
75-05-8	Acetonitrile	0.20	1.0		U
107-02-8	Acrolein	4.1	5.0		U
107-13-1	Acrylonitrile	0.95	5.0		U
107-05-1	Allyl chloride	0.20	1.0		U
71-43-2	Benzene	0.11	1.0		U
75-27-4	Bromodichloromethane	0.24	1.0		U
75-25-2	Bromoform	0.24	1.0		U
74-83-9	Bromomethane	0.33	2.0		U
78-93-3	2-Butanone	1.2	10		U
75-15-0	Carbon disulfide	0.13	1.0		U
56-23-5	Carbon tetrachloride	0.14	1.0		U
108-90-7	Chlorobenzene	0.28	1.0		U
75-00-3	Chloroethane	0.38	2.0		U
67-66-3	Chloroform	0.30	1.0		U
74-87-3	Chloromethane	0.40	2.0		U
126-99-8	Chloroprene	0.20	1.0		U
110-82-7	Cyclohexane	0.18	2.0		U
124-48-1	Dibromochloromethane	0.080	1.0		U
96-12-8	1,2-Dibromo-3-chloropropane	0.28	2.0		U
74-95-3	Dibromomethane	0.14	1.0		U
95-50-1	1,2-Dichlorobenzene	0.17	1.0		U
541-73-1	1,3-Dichlorobenzene	0.21	1.0		U
106-46-7	1,4-Dichlorobenzene	0.12	1.0		U
110-57-6	trans-1,4-Dichloro-2-butene	0.60	5.0		U
75-71-8	Dichlorodifluoromethane	0.24	2.0		U
75-34-3	1,1-Dichloroethane	0.15	1.0		U
107-06-2	1,2-Dichloroethane	0.15	1.0		U
75-35-4	1,1-Dichloroethene	0.42	1.0		U
156-59-2	cis-1,2-Dichloroethene	0.44	1.0		U
156-60-5	trans-1,2-Dichloroethene	0.40	1.0		U
78-87-5	1,2-Dichloropropane	0.18	1.0		U
10061-01-5	cis-1,3-Dichloropropene	0.13	1.0		U
10061-02-6	trans-1,3-Dichloropropene	0.22	1.0		U
123-91-1	1,4-Dioxane	0.20	1.0		U
100-41-4	Ethylbenzene	0.14	1.0		U
97-63-2	Ethyl methacrylate	0.21	1.0		U
591-78-6	2-Hexanone	0.83	5.0		U
74-88-4	Iodomethane	0.19	5.0		U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW27S-001

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW003

Matrix: (soil/water) WATER Lab Sample ID: 0701033-06

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 0103306

Level: (low/med) LOW Date Sampled: 01/07/07 11:00

% Moisture: not dec. _____ Date Analyzed: 01/10/07 18:24

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
78-83-1	Isobutyl alcohol	0.20	1.0		U
98-82-8	Isopropylbenzene	0.25	1.0		U
79-20-9	Methyl acetate	0.87	1.0		U
126-98-7	Methacrylonitrile	0.20	1.0		U
108-87-2	Methyl cyclohexane	0.20	1.0		U
75-09-2	Methylene chloride	0.26	2.0		U
80-62-6	Methyl methacrylate	0.35	1.0		U
108-10-1	4-Methyl-2-pentanone	1.4	5.0		U
1634-04-4	MTBE	0.17	1.0		U
107-12-0	Propionitrile	0.20	1.0		U
100-42-5	Styrene	0.22	1.0		U
630-20-6	1,1,1,2-Tetrachloroethane	0.19	1.0		U
79-34-5	1,1,2,2-Tetrachloroethane	0.22	1.0		U
127-18-4	Tetrachloroethene	0.14	1.0		U
108-88-3	Toluene	0.18	1.0		U
87-61-6	1,2,3-Trichlorobenzene	0.16	1.0		U
120-82-1	1,2,4-Trichlorobenzene	0.14	1.0		U
71-55-6	1,1,1-Trichloroethane	0.15	1.0		U
79-00-5	1,1,2-Trichloroethane	0.17	1.0		U
79-01-6	Trichloroethene	0.28	1.0		U
76-13-1	Trichlorotrifluoroethane	0.22	1.0		U
75-69-4	Trichlorofluoromethane	0.15	2.0		U
96-18-4	1,2,3-Trichloropropane	0.31	1.0		U
108-05-4	Vinyl acetate	1.3	5.0		U
75-01-4	Vinyl chloride	0.19	1.0		U
108-38-3	m,p-Xylene	0.26	1.0		U
95-47-6	o-Xylene	0.21	1.0		U
1330-20-7	Xylene(total)	0.21	1.0		U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW21S-001

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW003

Matrix: (soil/water) WATER Lab Sample ID: 0701033-07

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 0103307

Level: (low/med) LOW Date Sampled: 01/07/07 11:00

% Moisture: not dec. _____ Date Analyzed: 01/10/07 18:56

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
67-64-1	Acetone	1.1	10	2.4	I
75-05-8	Acetonitrile	0.20	1.0		U
107-02-8	Acrolein	4.1	5.0		U
107-13-1	Acrylonitrile	0.95	5.0		U
107-05-1	Allyl chloride	0.20	1.0		U
71-43-2	Benzene	0.11	1.0		U
75-27-4	Bromodichloromethane	0.24	1.0		U
75-25-2	Bromoform	0.24	1.0		U
74-83-9	Bromomethane	0.33	2.0		U
78-93-3	2-Butanone	1.2	10		U
75-15-0	Carbon disulfide	0.13	1.0		U
56-23-5	Carbon tetrachloride	0.14	1.0		U
108-90-7	Chlorobenzene	0.28	1.0		U
75-00-3	Chloroethane	0.38	2.0		U
67-66-3	Chloroform	0.30	1.0		U
74-87-3	Chloromethane	0.40	2.0	0.50	I
126-99-8	Chloroprene	0.20	1.0		U
110-82-7	Cyclohexane	0.18	2.0		U
124-48-1	Dibromochloromethane	0.080	1.0		U
96-12-8	1,2-Dibromo-3-chloropropane	0.28	2.0		U
74-95-3	Dibromomethane	0.14	1.0		U
95-50-1	1,2-Dichlorobenzene	0.17	1.0		U
541-73-1	1,3-Dichlorobenzene	0.21	1.0		U
106-46-7	1,4-Dichlorobenzene	0.12	1.0		U
110-57-6	trans-1,4-Dichloro-2-butene	0.60	5.0		U
75-71-8	Dichlorodifluoromethane	0.24	2.0		U
75-34-3	1,1-Dichloroethane	0.15	1.0		U
107-06-2	1,2-Dichloroethane	0.15	1.0		U
75-35-4	1,1-Dichloroethene	0.42	1.0		U
156-59-2	cis-1,2-Dichloroethene	0.44	1.0		U
156-60-5	trans-1,2-Dichloroethene	0.40	1.0		U
78-87-5	1,2-Dichloropropane	0.18	1.0		U
10061-01-5	cis-1,3-Dichloropropene	0.13	1.0		U
10061-02-6	trans-1,3-Dichloropropene	0.22	1.0		U
123-91-1	1,4-Dioxane	0.20	1.0		U
100-41-4	Ethylbenzene	0.14	1.0		U
97-63-2	Ethyl methacrylate	0.21	1.0		U
591-78-6	2-Hexanone	0.83	5.0		U
74-88-4	Iodomethane	0.19	5.0		U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW21S-001

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW003

Matrix: (soil/water) WATER Lab Sample ID: 0701033-07

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 0103307

Level: (low/med) LOW Date Sampled: 01/07/07 11:00

% Moisture: not dec. _____ Date Analyzed: 01/10/07 18:56

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
78-83-1	Isobutyl alcohol	0.20	1.0		U
98-82-8	Isopropylbenzene	0.25	1.0		U
79-20-9	Methyl acetate	0.87	1.0		U
126-98-7	Methacrylonitrile	0.20	1.0		U
108-87-2	Methyl cyclohexane	0.20	1.0		U
75-09-2	Methylene chloride	0.26	2.0		U
80-62-6	Methyl methacrylate	0.35	1.0		U
108-10-1	4-Methyl-2-pentanone	1.4	5.0		U
1634-04-4	MTBE	0.17	1.0		U
107-12-0	Propionitrile	0.20	1.0		U
100-42-5	Styrene	0.22	1.0		U
630-20-6	1,1,1,2-Tetrachloroethane	0.19	1.0		U
79-34-5	1,1,2,2-Tetrachloroethane	0.22	1.0		U
127-18-4	Tetrachloroethene	0.14	1.0		U
108-88-3	Toluene	0.18	1.0		U
87-61-6	1,2,3-Trichlorobenzene	0.16	1.0		U
120-82-1	1,2,4-Trichlorobenzene	0.14	1.0		U
71-55-6	1,1,1-Trichloroethane	0.15	1.0		U
79-00-5	1,1,2-Trichloroethane	0.17	1.0		U
79-01-6	Trichloroethene	0.28	1.0		U
76-13-1	Trichlorotrifluoroethane	0.22	1.0		U
75-69-4	Trichlorofluoromethane	0.15	2.0		U
96-18-4	1,2,3-Trichloropropane	0.31	1.0		U
108-05-4	Vinyl acetate	1.3	5.0		U
75-01-4	Vinyl chloride	0.19	1.0		U
108-38-3	m,p-Xylene	0.26	1.0		U
95-47-6	o-Xylene	0.21	1.0		U
1330-20-7	Xylene(total)	0.21	1.0		U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW14D-001

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW003

Matrix: (soil/water) WATER Lab Sample ID: 0701033-08

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 0103308

Level: (low/med) LOW Date Sampled: 01/08/07 15:40

% Moisture: not dec. _____ Date Analyzed: 01/10/07 19:27

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
67-64-1	Acetone	1.1	10		U
75-05-8	Acetonitrile	0.20	1.0		U
107-02-8	Acrolein	4.1	5.0		U
107-13-1	Acrylonitrile	0.95	5.0		U
107-05-1	Allyl chloride	0.20	1.0		U
71-43-2	Benzene	0.11	1.0	12	
75-27-4	Bromodichloromethane	0.24	1.0		U
75-25-2	Bromoform	0.24	1.0		U
74-83-9	Bromomethane	0.33	2.0		U
78-93-3	2-Butanone	1.2	10		U
75-15-0	Carbon disulfide	0.13	1.0		U
56-23-5	Carbon tetrachloride	0.14	1.0		U
108-90-7	Chlorobenzene	0.28	1.0		U
75-00-3	Chloroethane	0.38	2.0		U
67-66-3	Chloroform	0.30	1.0	0.34	I
74-87-3	Chloromethane	0.40	2.0		U
126-99-8	Chloroprene	0.20	1.0		U
110-82-7	Cyclohexane	0.18	2.0		U
124-48-1	Dibromochloromethane	0.080	1.0		U
96-12-8	1,2-Dibromo-3-chloropropane	0.28	2.0		U
74-95-3	Dibromomethane	0.14	1.0		U
95-50-1	1,2-Dichlorobenzene	0.17	1.0		U
541-73-1	1,3-Dichlorobenzene	0.21	1.0		U
106-46-7	1,4-Dichlorobenzene	0.12	1.0		U
110-57-6	trans-1,4-Dichloro-2-butene	0.60	5.0		U
75-71-8	Dichlorodifluoromethane	0.24	2.0		U
75-34-3	1,1-Dichloroethane	0.15	1.0		U
107-06-2	1,2-Dichloroethane	0.15	1.0		U
75-35-4	1,1-Dichloroethene	0.42	1.0		U
156-59-2	cis-1,2-Dichloroethene	0.44	1.0		U
156-60-5	trans-1,2-Dichloroethene	0.40	1.0		U
78-87-5	1,2-Dichloropropane	0.18	1.0		U
10061-01-5	cis-1,3-Dichloropropene	0.13	1.0		U
10061-02-6	trans-1,3-Dichloropropene	0.22	1.0		U
123-91-1	1,4-Dioxane	0.20	1.0		U
100-41-4	Ethylbenzene	0.14	1.0		U
97-63-2	Ethyl methacrylate	0.21	1.0		U
591-78-6	2-Hexanone	0.83	5.0		U
74-88-4	Iodomethane	0.19	5.0		U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW14D-001

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW003

Matrix: (soil/water) WATER Lab Sample ID: 0701033-08

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 0103308

Level: (low/med) LOW Date Sampled: 01/08/07 15:40

% Moisture: not dec. _____ Date Analyzed: 01/10/07 19:27

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
78-83-1	Isobutyl alcohol	0.20	1.0		U
98-82-8	Isopropylbenzene	0.25	1.0		U
79-20-9	Methyl acetate	0.87	1.0		U
126-98-7	Methacrylonitrile	0.20	1.0		U
108-87-2	Methyl cyclohexane	0.20	1.0		U
75-09-2	Methylene chloride	0.26	2.0		U
80-62-6	Methyl methacrylate	0.35	1.0		U
108-10-1	4-Methyl-2-pentanone	1.4	5.0		U
1634-04-4	MTBE	0.17	1.0		U
107-12-0	Propionitrile	0.20	1.0		U
100-42-5	Styrene	0.22	1.0		U
630-20-6	1,1,1,2-Tetrachloroethane	0.19	1.0		U
79-34-5	1,1,2,2-Tetrachloroethane	0.22	1.0		U
127-18-4	Tetrachloroethene	0.14	1.0		U
108-88-3	Toluene	0.18	1.0		U
87-61-6	1,2,3-Trichlorobenzene	0.16	1.0		U
120-82-1	1,2,4-Trichlorobenzene	0.14	1.0		U
71-55-6	1,1,1-Trichloroethane	0.15	1.0		U
79-00-5	1,1,2-Trichloroethane	0.17	1.0		U
79-01-6	Trichloroethene	0.28	1.0		U
76-13-1	Trichlorotrifluoroethane	0.22	1.0		U
75-69-4	Trichlorofluoromethane	0.15	2.0		U
96-18-4	1,2,3-Trichloropropane	0.31	1.0		U
108-05-4	Vinyl acetate	1.3	5.0		U
75-01-4	Vinyl chloride	0.19	1.0		U
108-38-3	m,p-Xylene	0.26	1.0	0.44	I
95-47-6	o-Xylene	0.21	1.0		U
1330-20-7	Xylene(total)	0.21	1.0	0.41	I

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW35S-001

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW003

Matrix: (soil/water) WATER Lab Sample ID: 0701033-09

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 0103309

Level: (low/med) LOW Date Sampled: 01/08/07 10:35

% Moisture: not dec. _____ Date Analyzed: 01/10/07 19:59

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
67-64-1	Acetone	1.1	10	1.5	I
75-05-8	Acetonitrile	0.20	1.0		U
107-02-8	Acrolein	4.1	5.0		U
107-13-1	Acrylonitrile	0.95	5.0		U
107-05-1	Allyl chloride	0.20	1.0		U
71-43-2	Benzene	0.11	1.0		U
75-27-4	Bromodichloromethane	0.24	1.0		U
75-25-2	Bromoform	0.24	1.0		U
74-83-9	Bromomethane	0.33	2.0		U
78-93-3	2-Butanone	1.2	10		U
75-15-0	Carbon disulfide	0.13	1.0		U
56-23-5	Carbon tetrachloride	0.14	1.0		U
108-90-7	Chlorobenzene	0.28	1.0		U
75-00-3	Chloroethane	0.38	2.0		U
67-66-3	Chloroform	0.30	1.0		U
74-87-3	Chloromethane	0.40	2.0		U
126-99-8	Chloroprene	0.20	1.0		U
110-82-7	Cyclohexane	0.18	2.0		U
124-48-1	Dibromochloromethane	0.080	1.0		U
96-12-8	1,2-Dibromo-3-chloropropane	0.28	2.0		U
74-95-3	Dibromomethane	0.14	1.0		U
95-50-1	1,2-Dichlorobenzene	0.17	1.0		U
541-73-1	1,3-Dichlorobenzene	0.21	1.0		U
106-46-7	1,4-Dichlorobenzene	0.12	1.0		U
110-57-6	trans-1,4-Dichloro-2-butene	0.60	5.0		U
75-71-8	Dichlorodifluoromethane	0.24	2.0		U
75-34-3	1,1-Dichloroethane	0.15	1.0		U
107-06-2	1,2-Dichloroethane	0.15	1.0		U
75-35-4	1,1-Dichloroethene	0.42	1.0		U
156-59-2	cis-1,2-Dichloroethene	0.44	1.0		U
156-60-5	trans-1,2-Dichloroethene	0.40	1.0		U
78-87-5	1,2-Dichloropropane	0.18	1.0		U
10061-01-5	cis-1,3-Dichloropropene	0.13	1.0		U
10061-02-6	trans-1,3-Dichloropropene	0.22	1.0		U
123-91-1	1,4-Dioxane	0.20	1.0		U
100-41-4	Ethylbenzene	0.14	1.0		U
97-63-2	Ethyl methacrylate	0.21	1.0		U
591-78-6	2-Hexanone	0.83	5.0		U
74-88-4	Iodomethane	0.19	5.0		U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW35S-001

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW003

Matrix: (soil/water) WATER Lab Sample ID: 0701033-09

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 0103309

Level: (low/med) LOW Date Sampled: 01/08/07 10:35

% Moisture: not dec. _____ Date Analyzed: 01/10/07 19:59

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
78-83-1	Isobutyl alcohol	0.20	1.0		U
98-82-8	Isopropylbenzene	0.25	1.0		U
79-20-9	Methyl acetate	0.87	1.0		U
126-98-7	Methacrylonitrile	0.20	1.0		U
108-87-2	Methyl cyclohexane	0.20	1.0		U
75-09-2	Methylene chloride	0.26	2.0		U
80-62-6	Methyl methacrylate	0.35	1.0		U
108-10-1	4-Methyl-2-pentanone	1.4	5.0		U
1634-04-4	MTBE	0.17	1.0		U
107-12-0	Propionitrile	0.20	1.0		U
100-42-5	Styrene	0.22	1.0		U
630-20-6	1,1,1,2-Tetrachloroethane	0.19	1.0		U
79-34-5	1,1,2,2-Tetrachloroethane	0.22	1.0		U
127-18-4	Tetrachloroethene	0.14	1.0		U
108-88-3	Toluene	0.18	1.0		U
87-61-6	1,2,3-Trichlorobenzene	0.16	1.0		U
120-82-1	1,2,4-Trichlorobenzene	0.14	1.0		U
71-55-6	1,1,1-Trichloroethane	0.15	1.0		U
79-00-5	1,1,2-Trichloroethane	0.17	1.0		U
79-01-6	Trichloroethene	0.28	1.0		U
76-13-1	Trichlorotrifluoroethane	0.22	1.0		U
75-69-4	Trichlorofluoromethane	0.15	2.0		U
96-18-4	1,2,3-Trichloropropane	0.31	1.0		U
108-05-4	Vinyl acetate	1.3	5.0		U
75-01-4	Vinyl chloride	0.19	1.0		U
108-38-3	m,p-Xylene	0.26	1.0		U
95-47-6	o-Xylene	0.21	1.0		U
1330-20-7	Xylene(total)	0.21	1.0		U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW
35S-001-D

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW003

Matrix: (soil/water) WATER Lab Sample ID: 0701033-10

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 0103310

Level: (low/med) LOW Date Sampled: 01/08/07 10:50

% Moisture: not dec. _____ Date Analyzed: 01/11/07 01:16

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
67-64-1	Acetone	1.1	10		U
75-05-8	Acetonitrile	0.20	1.0		U
107-02-8	Acrolein	4.1	5.0		U
107-13-1	Acrylonitrile	0.95	5.0		U
107-05-1	Allyl chloride	0.20	1.0		U
71-43-2	Benzene	0.11	1.0		U
75-27-4	Bromodichloromethane	0.24	1.0		U
75-25-2	Bromoform	0.24	1.0		U
74-83-9	Bromomethane	0.33	2.0		U
78-93-3	2-Butanone	1.2	10		U
75-15-0	Carbon disulfide	0.13	1.0		U
56-23-5	Carbon tetrachloride	0.14	1.0		U
108-90-7	Chlorobenzene	0.28	1.0		U
75-00-3	Chloroethane	0.38	2.0		U
67-66-3	Chloroform	0.30	1.0		U
74-87-3	Chloromethane	0.40	2.0		U
126-99-8	Chloroprene	0.20	1.0		U
110-82-7	Cyclohexane	0.18	2.0		U
124-48-1	Dibromochloromethane	0.080	1.0		U
96-12-8	1,2-Dibromo-3-chloropropane	0.28	2.0		U
74-95-3	Dibromomethane	0.14	1.0		U
95-50-1	1,2-Dichlorobenzene	0.17	1.0		U
541-73-1	1,3-Dichlorobenzene	0.21	1.0		U
106-46-7	1,4-Dichlorobenzene	0.12	1.0		U
110-57-6	trans-1,4-Dichloro-2-butene	0.60	5.0		U
75-71-8	Dichlorodifluoromethane	0.24	2.0		U
75-34-3	1,1-Dichloroethane	0.15	1.0		U
107-06-2	1,2-Dichloroethane	0.15	1.0		U
75-35-4	1,1-Dichloroethene	0.42	1.0		U
156-59-2	cis-1,2-Dichloroethene	0.44	1.0		U
156-60-5	trans-1,2-Dichloroethene	0.40	1.0		U
78-87-5	1,2-Dichloropropane	0.18	1.0		U
10061-01-5	cis-1,3-Dichloropropene	0.13	1.0		U
10061-02-6	trans-1,3-Dichloropropene	0.22	1.0		U
123-91-1	1,4-Dioxane	0.20	1.0		U
100-41-4	Ethylbenzene	0.14	1.0		U
97-63-2	Ethyl methacrylate	0.21	1.0		U
591-78-6	2-Hexanone	0.83	5.0		U
74-88-4	Iodomethane	0.19	5.0		U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.
OLFS4-MW
35S-001-D

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW003

Matrix: (soil/water) WATER Lab Sample ID: 0701033-10

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 0103310

Level: (low/med) LOW Date Sampled: 01/08/07 10:50

% Moisture: not dec. _____ Date Analyzed: 01/11/07 01:16

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
78-83-1	Isobutyl alcohol	0.20	1.0		U
98-82-8	Isopropylbenzene	0.25	1.0		U
79-20-9	Methyl acetate	0.87	1.0		U
126-98-7	Methacrylonitrile	0.20	1.0		U
108-87-2	Methyl cyclohexane	0.20	1.0		U
75-09-2	Methylene chloride	0.26	2.0		U
80-62-6	Methyl methacrylate	0.35	1.0		U
108-10-1	4-Methyl-2-pentanone	1.4	5.0		U
1634-04-4	MTBE	0.17	1.0		U
107-12-0	Propionitrile	0.20	1.0		U
100-42-5	Styrene	0.22	1.0		U
630-20-6	1,1,1,2-Tetrachloroethane	0.19	1.0		U
79-34-5	1,1,2,2-Tetrachloroethane	0.22	1.0		U
127-18-4	Tetrachloroethene	0.14	1.0		U
108-88-3	Toluene	0.18	1.0		U
87-61-6	1,2,3-Trichlorobenzene	0.16	1.0		U
120-82-1	1,2,4-Trichlorobenzene	0.14	1.0		U
71-55-6	1,1,1-Trichloroethane	0.15	1.0		U
79-00-5	1,1,2-Trichloroethane	0.17	1.0		U
79-01-6	Trichloroethene	0.28	1.0		U
76-13-1	Trichlorotrifluoroethane	0.22	1.0		U
75-69-4	Trichlorofluoromethane	0.15	2.0		U
96-18-4	1,2,3-Trichloropropane	0.31	1.0		U
108-05-4	Vinyl acetate	1.3	5.0		U
75-01-4	Vinyl chloride	0.19	1.0		U
108-38-3	m,p-Xylene	0.26	1.0		U
95-47-6	o-Xylene	0.21	1.0		U
1330-20-7	Xylene(total)	0.21	1.0		U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW34S-001

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW003

Matrix: (soil/water) WATER Lab Sample ID: 0701033-11

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 0103311

Level: (low/med) LOW Date Sampled: 01/08/07 10:15

% Moisture: not dec. _____ Date Analyzed: 01/11/07 01:47

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
67-64-1	Acetone	1.1	10	2.9	I
75-05-8	Acetonitrile	0.20	1.0		U
107-02-8	Acrolein	4.1	5.0		U
107-13-1	Acrylonitrile	0.95	5.0		U
107-05-1	Allyl chloride	0.20	1.0		U
71-43-2	Benzene	0.11	1.0		U
75-27-4	Bromodichloromethane	0.24	1.0		U
75-25-2	Bromoform	0.24	1.0		U
74-83-9	Bromomethane	0.33	2.0		U
78-93-3	2-Butanone	1.2	10		U
75-15-0	Carbon disulfide	0.13	1.0		U
56-23-5	Carbon tetrachloride	0.14	1.0		U
108-90-7	Chlorobenzene	0.28	1.0		U
75-00-3	Chloroethane	0.38	2.0		U
67-66-3	Chloroform	0.30	1.0	0.97	I
74-87-3	Chloromethane	0.40	2.0		U
126-99-8	Chloroprene	0.20	1.0		U
110-82-7	Cyclohexane	0.18	2.0		U
124-48-1	Dibromochloromethane	0.080	1.0		U
96-12-8	1,2-Dibromo-3-chloropropane	0.28	2.0		U
74-95-3	Dibromomethane	0.14	1.0		U
95-50-1	1,2-Dichlorobenzene	0.17	1.0		U
541-73-1	1,3-Dichlorobenzene	0.21	1.0		U
106-46-7	1,4-Dichlorobenzene	0.12	1.0		U
110-57-6	trans-1,4-Dichloro-2-butene	0.60	5.0		U
75-71-8	Dichlorodifluoromethane	0.24	2.0		U
75-34-3	1,1-Dichloroethane	0.15	1.0		U
107-06-2	1,2-Dichloroethane	0.15	1.0		U
75-35-4	1,1-Dichloroethene	0.42	1.0		U
156-59-2	cis-1,2-Dichloroethene	0.44	1.0		U
156-60-5	trans-1,2-Dichloroethene	0.40	1.0	0.58	I
78-87-5	1,2-Dichloropropane	0.18	1.0		U
10061-01-5	cis-1,3-Dichloropropene	0.13	1.0		U
10061-02-6	trans-1,3-Dichloropropene	0.22	1.0		U
123-91-1	1,4-Dioxane	0.20	1.0		U
100-41-4	Ethylbenzene	0.14	1.0		U
97-63-2	Ethyl methacrylate	0.21	1.0		U
591-78-6	2-Hexanone	0.83	5.0		U
74-88-4	Iodomethane	0.19	5.0		U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW34S-001

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW003

Matrix: (soil/water) WATER Lab Sample ID: 0701033-11

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 0103311

Level: (low/med) LOW Date Sampled: 01/08/07 10:15

% Moisture: not dec. _____ Date Analyzed: 01/11/07 01:47

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
78-83-1	Isobutyl alcohol	0.20	1.0		U
98-82-8	Isopropylbenzene	0.25	1.0		U
79-20-9	Methyl acetate	0.87	1.0		U
126-98-7	Methacrylonitrile	0.20	1.0		U
108-87-2	Methyl cyclohexane	0.20	1.0		U
75-09-2	Methylene chloride	0.26	2.0		U
80-62-6	Methyl methacrylate	0.35	1.0		U
108-10-1	4-Methyl-2-pentanone	1.4	5.0		U
1634-04-4	MTBE	0.17	1.0		U
107-12-0	Propionitrile	0.20	1.0		U
100-42-5	Styrene	0.22	1.0		U
630-20-6	1,1,1,2-Tetrachloroethane	0.19	1.0		U
79-34-5	1,1,2,2-Tetrachloroethane	0.22	1.0		U
127-18-4	Tetrachloroethene	0.14	1.0		U
108-88-3	Toluene	0.18	1.0		U
87-61-6	1,2,3-Trichlorobenzene	0.16	1.0		U
120-82-1	1,2,4-Trichlorobenzene	0.14	1.0		U
71-55-6	1,1,1-Trichloroethane	0.15	1.0		U
79-00-5	1,1,2-Trichloroethane	0.17	1.0		U
79-01-6	Trichloroethene	0.28	1.0		U
76-13-1	Trichlorotrifluoroethane	0.22	1.0		U
75-69-4	Trichlorofluoromethane	0.15	2.0		U
96-18-4	1,2,3-Trichloropropane	0.31	1.0		U
108-05-4	Vinyl acetate	1.3	5.0		U
75-01-4	Vinyl chloride	0.19	1.0		U
108-38-3	m,p-Xylene	0.26	1.0		U
95-47-6	o-Xylene	0.21	1.0		U
1330-20-7	Xylene(total)	0.21	1.0		U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW28S-001

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW003

Matrix: (soil/water) WATER Lab Sample ID: 0701033-12

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 0103312

Level: (low/med) LOW Date Sampled: 01/08/07 12:30

% Moisture: not dec. _____ Date Analyzed: 01/11/07 02:19

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
67-64-1	Acetone	1.1	10	2.1	I
75-05-8	Acetonitrile	0.20	1.0		U
107-02-8	Acrolein	4.1	5.0		U
107-13-1	Acrylonitrile	0.95	5.0		U
107-05-1	Allyl chloride	0.20	1.0		U
71-43-2	Benzene	0.11	1.0		U
75-27-4	Bromodichloromethane	0.24	1.0		U
75-25-2	Bromoform	0.24	1.0		U
74-83-9	Bromomethane	0.33	2.0		U
78-93-3	2-Butanone	1.2	10		U
75-15-0	Carbon disulfide	0.13	1.0		U
56-23-5	Carbon tetrachloride	0.14	1.0		U
108-90-7	Chlorobenzene	0.28	1.0		U
75-00-3	Chloroethane	0.38	2.0		U
67-66-3	Chloroform	0.30	1.0		U
74-87-3	Chloromethane	0.40	2.0		U
126-99-8	Chloroprene	0.20	1.0		U
110-82-7	Cyclohexane	0.18	2.0		U
124-48-1	Dibromochloromethane	0.080	1.0		U
96-12-8	1,2-Dibromo-3-chloropropane	0.28	2.0		U
74-95-3	Dibromomethane	0.14	1.0		U
95-50-1	1,2-Dichlorobenzene	0.17	1.0		U
541-73-1	1,3-Dichlorobenzene	0.21	1.0		U
106-46-7	1,4-Dichlorobenzene	0.12	1.0		U
110-57-6	trans-1,4-Dichloro-2-butene	0.60	5.0		U
75-71-8	Dichlorodifluoromethane	0.24	2.0		U
75-34-3	1,1-Dichloroethane	0.15	1.0		U
107-06-2	1,2-Dichloroethane	0.15	1.0		U
75-35-4	1,1-Dichloroethene	0.42	1.0		U
156-59-2	cis-1,2-Dichloroethene	0.44	1.0		U
156-60-5	trans-1,2-Dichloroethene	0.40	1.0		U
78-87-5	1,2-Dichloropropane	0.18	1.0		U
10061-01-5	cis-1,3-Dichloropropene	0.13	1.0		U
10061-02-6	trans-1,3-Dichloropropene	0.22	1.0		U
123-91-1	1,4-Dioxane	0.20	1.0		U
100-41-4	Ethylbenzene	0.14	1.0		U
97-63-2	Ethyl methacrylate	0.21	1.0		U
591-78-6	2-Hexanone	0.83	5.0		U
74-88-4	Iodomethane	0.19	5.0		U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW28S-001

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW003

Matrix: (soil/water) WATER Lab Sample ID: 0701033-12

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 0103312

Level: (low/med) LOW Date Sampled: 01/08/07 12:30

% Moisture: not dec. _____ Date Analyzed: 01/11/07 02:19

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
78-83-1	Isobutyl alcohol	0.20	1.0		U
98-82-8	Isopropylbenzene	0.25	1.0		U
79-20-9	Methyl acetate	0.87	1.0		U
126-98-7	Methacrylonitrile	0.20	1.0		U
108-87-2	Methyl cyclohexane	0.20	1.0		U
75-09-2	Methylene chloride	0.26	2.0		U
80-62-6	Methyl methacrylate	0.35	1.0		U
108-10-1	4-Methyl-2-pentanone	1.4	5.0		U
1634-04-4	MTBE	0.17	1.0		U
107-12-0	Propionitrile	0.20	1.0		U
100-42-5	Styrene	0.22	1.0		U
630-20-6	1,1,1,2-Tetrachloroethane	0.19	1.0		U
79-34-5	1,1,2,2-Tetrachloroethane	0.22	1.0		U
127-18-4	Tetrachloroethene	0.14	1.0		U
108-88-3	Toluene	0.18	1.0		U
87-61-6	1,2,3-Trichlorobenzene	0.16	1.0		U
120-82-1	1,2,4-Trichlorobenzene	0.14	1.0		U
71-55-6	1,1,1-Trichloroethane	0.15	1.0		U
79-00-5	1,1,2-Trichloroethane	0.17	1.0		U
79-01-6	Trichloroethene	0.28	1.0		U
76-13-1	Trichlorotrifluoroethane	0.22	1.0		U
75-69-4	Trichlorofluoromethane	0.15	2.0		U
96-18-4	1,2,3-Trichloropropane	0.31	1.0		U
108-05-4	Vinyl acetate	1.3	5.0		U
75-01-4	Vinyl chloride	0.19	1.0		U
108-38-3	m,p-Xylene	0.26	1.0		U
95-47-6	o-Xylene	0.21	1.0		U
1330-20-7	Xylene(total)	0.21	1.0		U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

TRIP BLANK

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW003

Matrix: (soil/water) WATER Lab Sample ID: 0701033-13

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 0103313

Level: (low/med) LOW Date Sampled: 01/06/07 :

% Moisture: not dec. _____ Date Analyzed: 01/10/07 13:38

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
67-64-1	Acetone	1.1	10		U
75-05-8	Acetonitrile	0.20	1.0		U
107-02-8	Acrolein	4.1	5.0		U
107-13-1	Acrylonitrile	0.95	5.0		U
107-05-1	Allyl chloride	0.20	1.0		U
71-43-2	Benzene	0.11	1.0		U
75-27-4	Bromodichloromethane	0.24	1.0		U
75-25-2	Bromoform	0.24	1.0		U
74-83-9	Bromomethane	0.33	2.0		U
78-93-3	2-Butanone	1.2	10		U
75-15-0	Carbon disulfide	0.13	1.0		U
56-23-5	Carbon tetrachloride	0.14	1.0		U
108-90-7	Chlorobenzene	0.28	1.0		U
75-00-3	Chloroethane	0.38	2.0		U
67-66-3	Chloroform	0.30	1.0		U
74-87-3	Chloromethane	0.40	2.0		U
126-99-8	Chloroprene	0.20	1.0		U
110-82-7	Cyclohexane	0.18	2.0		U
124-48-1	Dibromochloromethane	0.080	1.0		U
96-12-8	1,2-Dibromo-3-chloropropane	0.28	2.0		U
74-95-3	Dibromomethane	0.14	1.0		U
95-50-1	1,2-Dichlorobenzene	0.17	1.0		U
541-73-1	1,3-Dichlorobenzene	0.21	1.0		U
106-46-7	1,4-Dichlorobenzene	0.12	1.0		U
110-57-6	trans-1,4-Dichloro-2-butene	0.60	5.0		U
75-71-8	Dichlorodifluoromethane	0.24	2.0		U
75-34-3	1,1-Dichloroethane	0.15	1.0		U
107-06-2	1,2-Dichloroethane	0.15	1.0		U
75-35-4	1,1-Dichloroethene	0.42	1.0		U
156-59-2	cis-1,2-Dichloroethene	0.44	1.0		U
156-60-5	trans-1,2-Dichloroethene	0.40	1.0		U
78-87-5	1,2-Dichloropropane	0.18	1.0		U
10061-01-5	cis-1,3-Dichloropropene	0.13	1.0		U
10061-02-6	trans-1,3-Dichloropropene	0.22	1.0		U
123-91-1	1,4-Dioxane	0.20	1.0		U
100-41-4	Ethylbenzene	0.14	1.0		U
97-63-2	Ethyl methacrylate	0.21	1.0		U
591-78-6	2-Hexanone	0.83	5.0		U
74-88-4	Iodomethane	0.19	5.0		U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

TRIP BLANK

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYW003

Matrix: (soil/water) WATER Lab Sample ID: 0701033-13

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 0103313

Level: (low/med) LOW Date Sampled: 01/06/07 :

% Moisture: not dec. _____ Date Analyzed: 01/10/07 13:38

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
78-83-1	Isobutyl alcohol	0.20	1.0		U
98-82-8	Isopropylbenzene	0.25	1.0		U
79-20-9	Methyl acetate	0.87	1.0		U
126-98-7	Methacrylonitrile	0.20	1.0		U
108-87-2	Methyl cyclohexane	0.20	1.0		U
75-09-2	Methylene chloride	0.26	2.0		U
80-62-6	Methyl methacrylate	0.35	1.0		U
108-10-1	4-Methyl-2-pentanone	1.4	5.0		U
1634-04-4	MTBE	0.17	1.0		U
107-12-0	Propionitrile	0.20	1.0		U
100-42-5	Styrene	0.22	1.0		U
630-20-6	1,1,1,2-Tetrachloroethane	0.19	1.0		U
79-34-5	1,1,2,2-Tetrachloroethane	0.22	1.0		U
127-18-4	Tetrachloroethene	0.14	1.0		U
108-88-3	Toluene	0.18	1.0		U
87-61-6	1,2,3-Trichlorobenzene	0.16	1.0		U
120-82-1	1,2,4-Trichlorobenzene	0.14	1.0		U
71-55-6	1,1,1-Trichloroethane	0.15	1.0		U
79-00-5	1,1,2-Trichloroethane	0.17	1.0		U
79-01-6	Trichloroethene	0.28	1.0		U
76-13-1	Trichlorotrifluoroethane	0.22	1.0		U
75-69-4	Trichlorofluoromethane	0.15	2.0		U
96-18-4	1,2,3-Trichloropropane	0.31	1.0		U
108-05-4	Vinyl acetate	1.3	5.0		U
75-01-4	Vinyl chloride	0.19	1.0		U
108-38-3	m,p-Xylene	0.26	1.0		U
95-47-6	o-Xylene	0.21	1.0		U
1330-20-7	Xylene(total)	0.21	1.0		U

APPENDIX H

SOIL LABORATORY ANALYTICAL REPORTS

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-DP25-S10

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.B09057

Matrix: (soil/water) SOIL Lab Sample ID: 0609057-01

Sample wt/vol: 14.9 (g/mL) G Lab File ID: 0905701

% Moisture: 18 decanted: (Y/N) N Date Sampled: 09/08/06 08:25

Extraction: (SepF/Cont/Sonc/Soxh) SOXH Date Extracted:09/22/06

Concentrated Extract Volume: 500.0(uL) Date Analyzed: 09/25/06 20:39

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	MDL	RL	CONC	Q
83-32-9	Acenaphthene	25	120		U
208-96-8	Acenaphthylene	25	120		U
120-12-7	Anthracene	25	120		U
56-55-3	Benzo(a)anthracene	25	120		U
205-99-2	Benzo(b)fluoranthene	25	120		U
207-08-9	Benzo(k)fluoranthene	25	120		U
191-24-2	Benzo(g,h,i)perylene	25	120		U
50-32-8	Benzo(a)pyrene	25	120		U
218-01-9	Chrysene	25	120		U
53-70-3	Dibenz(a,h)anthracene	25	120		U
206-44-0	Fluoranthene	25	120		U
86-73-7	Fluorene	25	120		U
193-39-5	Indeno(1,2,3-cd)pyrene	25	120		U
91-57-6	2-Methylnaphthalene	25	120		U
90-12-0	1-Methylnaphthalene	62	120		U
91-20-3	Naphthalene	25	120		U
85-01-8	Phenanthrene	25	120		U
129-00-0	Pyrene	25	120		U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-DP26-56

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.B09057

Matrix: (soil/water) SOIL Lab Sample ID: 0609057-04

Sample wt/vol: 15.4 (g/mL) G Lab File ID: 0905704

% Moisture: 7 decanted: (Y/N) N Date Sampled: 09/08/06 10:44

Extraction: (SepF/Cont/Sonc/Soxh) SOXH Date Extracted:09/22/06

Concentrated Extract Volume: 500.0(uL) Date Analyzed: 09/25/06 21:13

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	MDL	RL	CONC	Q
83-32-9	Acenaphthene	21	100		U
208-96-8	Acenaphthylene	21	100		U
120-12-7	Anthracene	21	100		U
56-55-3	Benzo(a)anthracene	21	100		U
205-99-2	Benzo(b)fluoranthene	21	100		U
207-08-9	Benzo(k)fluoranthene	21	100		U
191-24-2	Benzo(g,h,i)perylene	21	100		U
50-32-8	Benzo(a)pyrene	21	100		U
218-01-9	Chrysene	21	100		U
53-70-3	Dibenz(a,h)anthracene	21	100		U
206-44-0	Fluoranthene	21	100		U
86-73-7	Fluorene	21	100		U
193-39-5	Indeno(1,2,3-cd)pyrene	21	100		U
91-57-6	2-Methylnaphthalene	21	100		U
90-12-0	1-Methylnaphthalene	52	100		U
91-20-3	Naphthalene	21	100		U
85-01-8	Phenanthrene	21	100		U
129-00-0	Pyrene	21	100		U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-DP27-S4

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.B09057

Matrix: (soil/water) SOIL Lab Sample ID: 0609057-05

Sample wt/vol: 15.4 (g/mL) G Lab File ID: 0905705

% Moisture: 6 decanted: (Y/N) N Date Sampled: 09/08/06 11:35

Extraction: (SepF/Cont/Sonc/Soxh) SOXH Date Extracted:09/22/06

Concentrated Extract Volume: 500.0(uL) Date Analyzed: 09/25/06 21:48

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	MDL	RL	CONC	Q
83-32-9	Acenaphthene	21	100		U
208-96-8	Acenaphthylene	21	100		U
120-12-7	Anthracene	21	100		U
56-55-3	Benzo(a)anthracene	21	100		U
205-99-2	Benzo(b)fluoranthene	21	100		U
207-08-9	Benzo(k)fluoranthene	21	100		U
191-24-2	Benzo(g,h,i)perylene	21	100		U
50-32-8	Benzo(a)pyrene	21	100		U
218-01-9	Chrysene	21	100		U
53-70-3	Dibenz(a,h)anthracene	21	100		U
206-44-0	Fluoranthene	21	100		U
86-73-7	Fluorene	21	100		U
193-39-5	Indeno(1,2,3-cd)pyrene	21	100		U
91-57-6	2-Methylnaphthalene	21	100		U
90-12-0	1-Methylnaphthalene	52	100		U
91-20-3	Naphthalene	21	100		U
85-01-8	Phenanthrene	21	100		U
129-00-0	Pyrene	21	100		U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-DP28-S8

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.B09057

Matrix: (soil/water) SOIL Lab Sample ID: 0609057-06

Sample wt/vol: 15.2 (g/mL) G Lab File ID: 0905706

% Moisture: 5 decanted: (Y/N) N Date Sampled: 09/08/06 14:08

Extraction: (SepF/Cont/Sonc/Soxh) SOXH Date Extracted:09/22/06

Concentrated Extract Volume: 500.0(uL) Date Analyzed: 09/25/06 22:23

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	MDL	RL	CONC	Q
83-32-9	Acenaphthene	21	100		U
208-96-8	Acenaphthylene	21	100		U
120-12-7	Anthracene	21	100		U
56-55-3	Benzo(a)anthracene	21	100		U
205-99-2	Benzo(b)fluoranthene	21	100		U
207-08-9	Benzo(k)fluoranthene	21	100		U
191-24-2	Benzo(g,h,i)perylene	21	100		U
50-32-8	Benzo(a)pyrene	21	100		U
218-01-9	Chrysene	21	100		U
53-70-3	Dibenz(a,h)anthracene	21	100		U
206-44-0	Fluoranthene	21	100		U
86-73-7	Fluorene	21	100		U
193-39-5	Indeno(1,2,3-cd)pyrene	21	100		U
91-57-6	2-Methylnaphthalene	21	100		U
90-12-0	1-Methylnaphthalene	52	100		U
91-20-3	Naphthalene	21	100		U
85-01-8	Phenanthrene	21	100		U
129-00-0	Pyrene	21	100		U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-DUP01S

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.B09057

Matrix: (soil/water) SOIL Lab Sample ID: 0609057-07

Sample wt/vol: 15.2 (g/mL) G Lab File ID: 0905707

% Moisture: 6 decanted: (Y/N) N Date Sampled: 09/08/06 11:35

Extraction: (SepF/Cont/Sonc/Soxh) SOXH Date Extracted:09/22/06

Concentrated Extract Volume: 500.0(uL) Date Analyzed: 09/25/06 22:58

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	MDL	RL	CONC	Q
83-32-9	Acenaphthene	21	100		U
208-96-8	Acenaphthylene	21	100		U
120-12-7	Anthracene	21	100		U
56-55-3	Benzo(a)anthracene	21	100		U
205-99-2	Benzo(b)fluoranthene	21	100		U
207-08-9	Benzo(k)fluoranthene	21	100		U
191-24-2	Benzo(g,h,i)perylene	21	100		U
50-32-8	Benzo(a)pyrene	21	100		U
218-01-9	Chrysene	21	100		U
53-70-3	Dibenz(a,h)anthracene	21	100		U
206-44-0	Fluoranthene	21	100		U
86-73-7	Fluorene	21	100		U
193-39-5	Indeno(1,2,3-cd)pyrene	21	100		U
91-57-6	2-Methylnaphthalene	21	100		U
90-12-0	1-Methylnaphthalene	52	100		U
91-20-3	Naphthalene	21	100		U
85-01-8	Phenanthrene	21	100		U
129-00-0	Pyrene	21	100		U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-DP29-S4

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.B09057

Matrix: (soil/water) SOIL Lab Sample ID: 0609057-08

Sample wt/vol: 15.0 (g/mL) G Lab File ID: 0905708

% Moisture: 6 decanted: (Y/N) N Date Sampled: 09/08/06 15:03

Extraction: (SepF/Cont/Sonc/Soxh) SOXH Date Extracted:09/22/06

Concentrated Extract Volume: 500.0(uL) Date Analyzed: 09/25/06 23:32

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	MDL	RL	CONC	Q
83-32-9	Acenaphthene	21	110		U
208-96-8	Acenaphthylene	21	110		U
120-12-7	Anthracene	21	110		U
56-55-3	Benzo(a)anthracene	21	110		U
205-99-2	Benzo(b)fluoranthene	21	110		U
207-08-9	Benzo(k)fluoranthene	21	110		U
191-24-2	Benzo(g,h,i)perylene	21	110		U
50-32-8	Benzo(a)pyrene	21	110		U
218-01-9	Chrysene	21	110		U
53-70-3	Dibenz(a,h)anthracene	21	110		U
206-44-0	Fluoranthene	21	110		U
86-73-7	Fluorene	21	110		U
193-39-5	Indeno(1,2,3-cd)pyrene	21	110		U
91-57-6	2-Methylnaphthalene	21	110		U
90-12-0	1-Methylnaphthalene	53	110		U
91-20-3	Naphthalene	21	110		U
85-01-8	Phenanthrene	21	110		U
129-00-0	Pyrene	21	110		U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-DUP02S

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.B09057

Matrix: (soil/water) SOIL Lab Sample ID: 0609057-09

Sample wt/vol: 15.2 (g/mL) G Lab File ID: 0905709

% Moisture: 6 decanted: (Y/N) N Date Sampled: 09/08/06 15:03

Extraction: (SepF/Cont/Sonc/Soxh) SOXH Date Extracted:09/22/06

Concentrated Extract Volume: 500.0(uL) Date Analyzed: 09/26/06 00:07

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG MDL	RL	CONC	Q
83-32-9	Acenaphthene	21	100		U
208-96-8	Acenaphthylene	21	100		U
120-12-7	Anthracene	21	100		U
56-55-3	Benzo(a)anthracene	21	100		U
205-99-2	Benzo(b)fluoranthene	21	100		U
207-08-9	Benzo(k)fluoranthene	21	100		U
191-24-2	Benzo(g,h,i)perylene	21	100		U
50-32-8	Benzo(a)pyrene	21	100		U
218-01-9	Chrysene	21	100		U
53-70-3	Dibenz(a,h)anthracene	21	100		U
206-44-0	Fluoranthene	21	100		U
86-73-7	Fluorene	21	100		U
193-39-5	Indeno(1,2,3-cd)pyrene	21	100		U
91-57-6	2-Methylnaphthalene	21	100		U
90-12-0	1-Methylnaphthalene	52	100		U
91-20-3	Naphthalene	21	100		U
85-01-8	Phenanthrene	21	100		U
129-00-0	Pyrene	21	100		U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-DP30-S8

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.B09057

Matrix: (soil/water) SOIL Lab Sample ID: 0609057-10

Sample wt/vol: 15.0 (g/mL) G Lab File ID: 0905710

% Moisture: 5 decanted: (Y/N) N Date Sampled: 09/08/06 16:20

Extraction: (SepF/Cont/Sonc/Soxh) SOXH Date Extracted:09/22/06

Concentrated Extract Volume: 500.0(uL) Date Analyzed: 09/26/06 01:33

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	MDL	RL	CONC	Q
83-32-9	Acenaphthene	21	100		U
208-96-8	Acenaphthylene	21	100		U
120-12-7	Anthracene	21	100		U
56-55-3	Benzo(a)anthracene	21	100		U
205-99-2	Benzo(b)fluoranthene	21	100		U
207-08-9	Benzo(k)fluoranthene	21	100		U
191-24-2	Benzo(g,h,i)perylene	21	100		U
50-32-8	Benzo(a)pyrene	21	100		U
218-01-9	Chrysene	21	100		U
53-70-3	Dibenz(a,h)anthracene	21	100		U
206-44-0	Fluoranthene	21	100		U
86-73-7	Fluorene	21	100		U
193-39-5	Indeno(1,2,3-cd)pyrene	21	100		U
91-57-6	2-Methylnaphthalene	21	100		U
90-12-0	1-Methylnaphthalene	52	100		U
91-20-3	Naphthalene	21	100		U
85-01-8	Phenanthrene	21	100		U
129-00-0	Pyrene	21	100		U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-DP13-S20

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.B09057

Matrix: (soil/water) SOIL Lab Sample ID: 0609057-11

Sample wt/vol: 14.9 (g/mL) G Lab File ID: 0905711

% Moisture: 9 decanted: (Y/N) N Date Sampled: 09/08/06 09:00

Extraction: (SepF/Cont/Sonc/Soxh) SOXH Date Extracted:09/22/06

Concentrated Extract Volume: 500.0(uL) Date Analyzed: 09/26/06 02:08

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	MDL	RL	CONC	Q
83-32-9	Acenaphthene	22	110		U
208-96-8	Acenaphthylene	22	110		U
120-12-7	Anthracene	22	110		U
56-55-3	Benzo(a)anthracene	22	110		U
205-99-2	Benzo(b)fluoranthene	22	110		U
207-08-9	Benzo(k)fluoranthene	22	110		U
191-24-2	Benzo(g,h,i)perylene	22	110		U
50-32-8	Benzo(a)pyrene	22	110		U
218-01-9	Chrysene	22	110		U
53-70-3	Dibenz(a,h)anthracene	22	110		U
206-44-0	Fluoranthene	22	110		U
86-73-7	Fluorene	22	110		U
193-39-5	Indeno(1,2,3-cd)pyrene	22	110		U
91-57-6	2-Methylnaphthalene	22	110		U
90-12-0	1-Methylnaphthalene	55	110		U
91-20-3	Naphthalene	22	110		U
85-01-8	Phenanthrene	22	110		U
129-00-0	Pyrene	22	110		U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-DP14-S20

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.B09057

Matrix: (soil/water) SOIL Lab Sample ID: 0609057-12

Sample wt/vol: 15.3 (g/mL) G Lab File ID: 0905712

% Moisture: 7 decanted: (Y/N) N Date Sampled: 09/08/06 10:15

Extraction: (SepF/Cont/Sonc/Soxh) SOXH Date Extracted:09/22/06

Concentrated Extract Volume: 500.0(uL) Date Analyzed: 09/26/06 03:52

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	MDL	RL	CONC	Q
83-32-9	Acenaphthene	21	100		U
208-96-8	Acenaphthylene	21	100		U
120-12-7	Anthracene	21	100		U
56-55-3	Benzo(a)anthracene	21	100		U
205-99-2	Benzo(b)fluoranthene	21	100		U
207-08-9	Benzo(k)fluoranthene	21	100		U
191-24-2	Benzo(g,h,i)perylene	21	100		U
50-32-8	Benzo(a)pyrene	21	100		U
218-01-9	Chrysene	21	100		U
53-70-3	Dibenz(a,h)anthracene	21	100		U
206-44-0	Fluoranthene	21	100		U
86-73-7	Fluorene	21	100		U
193-39-5	Indeno(1,2,3-cd)pyrene	21	100		U
91-57-6	2-Methylnaphthalene	21	100		U
90-12-0	1-Methylnaphthalene	52	100		U
91-20-3	Naphthalene	21	100		U
85-01-8	Phenanthrene	21	100		U
129-00-0	Pyrene	21	100		U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-DP15-S20

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.B09057

Matrix: (soil/water) SOIL Lab Sample ID: 0609057-13

Sample wt/vol: 15.0 (g/mL) G Lab File ID: 0905713

% Moisture: 7 decanted: (Y/N) N Date Sampled: 09/08/06 11:20

Extraction: (SepF/Cont/Sonc/Soxh) SOXH Date Extracted: 09/22/06

Concentrated Extract Volume: 500.0(uL) Date Analyzed: 09/26/06 04:26

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	MDL	RL	CONC	Q
83-32-9	Acenaphthene	22	110		U
208-96-8	Acenaphthylene	22	110		U
120-12-7	Anthracene	22	110		U
56-55-3	Benzo(a)anthracene	22	110		U
205-99-2	Benzo(b)fluoranthene	22	110		U
207-08-9	Benzo(k)fluoranthene	22	110		U
191-24-2	Benzo(g,h,i)perylene	22	110		U
50-32-8	Benzo(a)pyrene	22	110		U
218-01-9	Chrysene	22	110		U
53-70-3	Dibenz(a,h)anthracene	22	110		U
206-44-0	Fluoranthene	22	110		U
86-73-7	Fluorene	22	110		U
193-39-5	Indeno(1,2,3-cd)pyrene	22	110		U
91-57-6	2-Methylnaphthalene	22	110		U
90-12-0	1-Methylnaphthalene	54	110		U
91-20-3	Naphthalene	22	110		U
85-01-8	Phenanthrene	22	110		U
129-00-0	Pyrene	22	110		U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-DPW1-S45

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.B09057

Matrix: (soil/water) SOIL Lab Sample ID: 0609057-14

Sample wt/vol: 15.0 (g/mL) G Lab File ID: 0905714

% Moisture: 9 decanted: (Y/N) N Date Sampled: 09/08/06 14:30

Extraction: (SepF/Cont/Sonc/Soxh) SOXH Date Extracted:09/22/06

Concentrated Extract Volume: 500.0(uL) Date Analyzed: 10/06/06 12:39

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	MDL	RL	CONC	Q
83-32-9	Acenaphthene	22	180		U
208-96-8	Acenaphthylene	22	180		U
98-86-2	Acetophenone	55	180		U
53-96-3	2-Acetylaminofluorene	55	180		U
92-67-1	4-Aminobiphenyl	55	180		U
62-53-3	Aniline	55	180		U
140-57-8	Aramite	55	180		U
120-12-7	Anthracene	22	180		U
1912-24-9	Atrazine	55	180		U
100-52-7	Benzaldehyde	55	180		U
56-55-3	Benzo(a)anthracene	22	180		U
205-99-2	Benzo(b)fluoranthene	22	180		U
207-08-9	Benzo(k)fluoranthene	22	180		U
191-24-2	Benzo(g,h,i)perylene	22	180		U
50-32-8	Benzo(a)pyrene	22	180		U
100-51-6	Benzyl alcohol	55	180		U
92-52-4	1,1'-Biphenyl	55	180		U
111-91-1	bis(2-Chloroethoxy)methane	55	180		U
111-44-4	bis(2-Chloroethyl)ether	55	180		U
108-60-1	bis(2-Chloroisopropyl)ether	55	180		U
117-81-7	Bis(2-ethylhexyl)phthalate	55	180		U
101-55-3	4-Bromophenyl-phenylether	55	180		U
85-68-7	Butylbenzylphthalate	55	180		U
105-60-2	Caprolactam	55	180		U
86-74-8	Carbazole	22	180		U
106-47-8	4-Chloroaniline	55	180		U
510-15-6	Chlorobenzilate	55	180		U
59-50-7	4-Chloro-3-methylphenol	55	180		U
91-58-7	2-Chloronaphthalene	55	180		U
95-57-8	2-Chlorophenol	55	180		U
7005-72-3	4-Chlorophenyl-phenylether	55	180		U
218-01-9	Chrysene	22	180		U
2303-16-4	Diallate	55	180		U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-DPW1-S45

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.B09057

Matrix: (soil/water) SOIL Lab Sample ID: 0609057-14

Sample wt/vol: 15.0 (g/mL) G Lab File ID: 0905714

% Moisture: 9 decanted: (Y/N) N Date Sampled: 09/08/06 14:30

Extraction: (SepF/Cont/Sonc/Soxh) SOXH Date Extracted:09/22/06

Concentrated Extract Volume: 500.0(uL) Date Analyzed: 10/06/06 12:39

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	MDL	RL	CONC	Q
53-70-3	Dibenz(a,h)anthracene	22	180		U
132-64-9	Dibenzofuran	55	180		U
91-94-1	3,3'-Dichlorobenzidine	82	180		U
120-83-2	2,4-Dichlorophenol	55	180		U
87-65-0	2,6-Dichlorophenol	55	180		U
84-66-2	Diethylphthalate	55	180		U
60-51-5	Dimethoate	55	180		U
60-11-7	p-(Dimethylamino)azobenzene	55	180		U
57-97-6	7,12-Dimethylbenz[a]anthrace	55	180		U
119-93-7	3,3'-Dimethylbenzidine	55	180		U
122-09-8	a,a-Dimethyl-phenethylamine	55	180		U
105-67-9	2,4-Dimethylphenol	55	730		U
131-11-3	Dimethylphthalate	55	180		U
84-74-2	Di-n-butylphthalate	55	180		U
99-65-0	m-Dinitrobenzene	55	180		U
534-52-1	4,6-Dinitro-2-methylphenol	55	730		U
51-28-5	2,4-Dinitrophenol	55	1800		U
121-14-2	2,4-Dinitrotoluene	55	180		U
606-20-2	2,6-Dinitrotoluene	55	180		U
117-84-0	Di-n-octylphthalate	55	180		U
122-39-4	Diphenylamine	55	180		U
62-50-0	Ethyl methanesulfonate	55	180		U
206-44-0	Fluoranthene	22	180		U
86-73-7	Fluorene	22	180		U
118-74-1	Hexachlorobenzene	55	180		U
87-68-3	Hexachlorobutadiene	55	180		U
77-47-4	Hexachlorocyclopentadiene	55	180		U
67-72-1	Hexachloroethane	55	180		U
70-30-4	Hexachlorophene	55	370		U
1888-71-7	Hexachloropropene	55	180		U
193-39-5	Indeno(1,2,3-cd)pyrene	22	180		U
465-73-6	Isodrin	55	180		U
78-59-1	Isophorone	55	180		U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-DPW1-S45

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.B09057

Matrix: (soil/water) SOIL Lab Sample ID: 0609057-14

Sample wt/vol: 15.0 (g/mL) G Lab File ID: 0905714

% Moisture: 9 decanted: (Y/N) N Date Sampled: 09/08/06 14:30

Extraction: (SepF/Cont/Sonc/Soxh) SOXH Date Extracted:09/22/06

Concentrated Extract Volume: 500.0(uL) Date Analyzed: 10/06/06 12:39

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	MDL	RL	CONC	Q
120-58-1	Isosafrole	55	180		U
143-50-0	Kepone	55	180		U
91-80-5	Methapyrilene	55	180		U
56-49-5	3-Methylcholanthrene	55	180		U
66-27-3	Methyl methanesulfonate	55	180		U
91-57-6	2-Methylnaphthalene	22	180		U
106-44-5	4-Methylphenol	55	180		U
108-39-4	3-Methylphenol	55	180		U
95-48-7	2-Methylphenol	55	180		U
91-20-3	Naphthalene	22	180		U
130-15-4	1,4-Naphthoquinone	55	180		U
134-32-7	1-Naphthylamine	55	180		U
91-59-8	2-Naphthylamine	55	180		U
88-74-4	2-Nitroaniline	55	730		U
99-09-2	3-Nitroaniline	55	730		U
100-01-6	4-Nitroaniline	55	730		U
98-95-3	Nitrobenzene	55	180		U
88-75-5	2-Nitrophenol	55	180		U
100-02-7	4-Nitrophenol	55	730		U
56-57-5	4-Nitroquinoline-1-oxide	55	180		U
924-16-3	N-Nitrosodi-n-butylamine	55	180		U
55-18-5	N-Nitrosodiethylamine	55	180		U
62-75-9	N-Nitroso-di-methylamine	55	180		U
86-30-6	N-Nitrosodiphenylamine (1)	55	180		U
621-64-7	N-Nitroso-di-n-propylamine	55	180		U
10595-95-6	N-Nitrosomethylethylamine	55	180		U
59-89-2	N-Nitrosomorpholine	55	180		U
100-75-4	N-Nitrosopiperidine	55	180		U
930-55-2	N-Nitrosopyrrolidine	55	180		U
99-55-8	5-Nitro-o-toluidine	55	180		U
608-93-5	Pentachlorobenzene	55	180		U
82-68-8	Pentachloronitrobenzene	55	180		U
76-01-7	Pentachloroethane	55	180		U

(1) - Cannot be separated from Diphenylamine

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-DPW1-S45

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.B09057

Matrix: (soil/water) SOIL Lab Sample ID: 0609057-14

Sample wt/vol: 15.0 (g/mL) G Lab File ID: 0905714

% Moisture: 9 decanted: (Y/N) N Date Sampled: 09/08/06 14:30

Extraction: (SepF/Cont/Sonc/Soxh) SOXH Date Extracted:09/22/06

Concentrated Extract Volume: 500.0(uL) Date Analyzed: 10/06/06 12:39

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	MDL	RL	CONC	Q
87-86-5	Pentachlorophenol	55	730		U
62-44-2	Phenacetin	55	180		U
85-01-8	Phenanthrene	22	180		U
108-95-2	Phenol	55	180		U
106-50-3	p-Phenylenediamine	55	180		U
109-06-8	2-Picoline	55	180		U
23950-58-5	Pronamide	55	180		U
129-00-0	Pyrene	22	180		U
110-86-1	Pyridine	55	730		U
94-59-7	Safrole	55	180		U
95-94-3	1,2,4,5-Tetrachlorobenzene	55	180		U
58-90-2	2,3,4,6-Tetrachlorophenol	55	180		U
95-53-4	o-Toluidine	55	180		U
120-82-1	1,2,4-Trichlorobenzene	55	180		U
95-95-4	2,4,5-Trichlorophenol	55	180		U
88-06-2	2,4,6-Trichlorophenol	55	180		U
126-68-1	O,O,O-Triethylphosphorothioa	55	180		U
99-35-4	sym-Trinitrobenzene	55	180		U

FORM 2
SOIL SEMIVOLATILE SURROGATE RECOVERY

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.B09057

Level:(low/med) LOW

	CLIENT SAMPLE NO.	S1 (NBZ)#	S2 (FBP)#	S3 (TPH)#	S4 #	S5 #	S6 #	S7 #	S8 #	TOT OUT
01	SBLK0922BS1	48	53	78						0
02	SBLK0922BS1L	41	49	81						0
03	OLFS4-DP25-S	43	42	76						0
04	OLFS4-DP26-5	45	49	79						0
05	OLFS4-DP27-S	48	52	65						0
06	OLFS4-DP28-S	47	52	78						0
07	OLFS4-DUP01S	48	57	72						0
08	OLFS4-DP29-S	42	45	74						0
09	OLFS4-DUP02S	44	54	66						0
10	OLFS4-DP30-S	54	58	72						0
11	OLFS4-DP13-S	37	41	70						0
12	OLFS4-DP13-S	46	52	76						0
13	OLFS4-DP13-S	42	52	70						0
14	OLFS4-DP14-S	37	44	70						0
15	OLFS4-DP15-S	45	49	68						0
~~16~~	~~OLFS4-DPW1-S~~	~~42~~	~~49~~	~~74~~	mm	10/10/04				0
17										
18										
19										
20										
21										
22										
23										
24										
25										
26										
27										
28										
29										
30										

	EL QC LIMITS	SPIKE CONC (UG/KG)
S1 (NBZ) = Nitrobenzene-d5	(30-110)	1700
S2 (FBP) = 2-Fluorobiphenyl	(35-110)	1700
S3 (TPH) = Terphenyl-d14	(55-110)	1700

Column to be used to flag recovery values
* Values outside of contract required QC limits
D Surrogate results reported from a diluted analysis

FORM 2
SOIL SEMIVOLATILE SURROGATE RECOVERY

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.B09057

Level:(low/med) LOW

	CLIENT SAMPLE NO.	S1 (2FP)#	S2 (PHL)#	S3 (NBZ)#	S4 (FBP)#	S5 (TBP)#	S6 (TPH)#	S7 #	S8 #	TOT OUT
01	SBLK0922BS1	54	50	45	50	62	73			0
02	SBLK0922BS1L	48	50	44	51	66	82			0
03	OLFS4-DPW1-S	46	48	40	44	67	76			0
04										
05										
06										
07										
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	EL QC LIMITS	SPIKE CONC (UG/KG)
S1 (2FP) = 2-Fluorophenol	(25-110)	3300
S2 (PHL) = Phenol-d6	(30-110)	3300
S3 (NBZ) = Nitrobenzene-d5	(30-110)	1700
S4 (FBP) = 2-Fluorobiphenyl	(35-110)	1700
S5 (TBP) = 2,4,6-Tribromophenol	(30-115)	3300
S6 (TPH) = Terphenyl-d14	(40-120)	1700

Column to be used to flag recovery values
* Values outside of contract required QC limits
D Surrogate results reported from a diluted analysis

FORM 3
SOIL SEMIVOLATILE LAB CONTROL SAMPLE

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.B09057

Matrix Spike - Client Sample No.: SBLK0922BS1 Level:(low/med) LOW

COMPOUND	SPIKE ADDED (UG/KG)	SAMPLE CONCENTRATION (UG/KG)	LCS CONCENTRATION (UG/KG)	LCS % REC #	QC. LIMITS REC.
Acenaphthene	1667	0.0000	914.9	55	45-110
Acenaphthylene	1667	0.0000	1068	64	50-105
Anthracene	1667	0.0000	1335	80	55-105
Benzo(a)anthracene	1667	0.0000	1369	82	60-110
Benzo(b)fluoranthene	1667	0.0000	1389	83	55-115
Benzo(k)fluoranthene	1667	0.0000	1304	78	55-110
Benzo(g,h,i)perylene	1667	0.0000	1390	83	35-135
Benzo(a)pyrene	1667	0.0000	1342	80	60-120
Chrysene	1667	0.0000	1397	84	55-105
Dibenz(a,h)anthracene	1667	0.0000	1464	88	40-130
Fluoranthene	1667	0.0000	1497	90	55-110
Fluorene	1667	0.0000	1140	68	50-105
Indeno(1,2,3-cd)pyrene	1667	0.0000	1447	87	40-130
2-Methylnaphthalene	1667	0.0000	742.4	44	40-110
1-Methylnaphthalene	1667	0.0000	727.3	44	30-110
Naphthalene	1667	0.0000	711.5	43	30-110
Phenanthrene	1667	0.0000	1314	79	55-105
Pyrene	1667	0.0000	1270	76	55-115

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

RPD: 0 out of 0 outside limits
Spike Recovery: 0 out of 18 outside limits

COMMENTS: _____

FORM 3
SOIL SEMIVOLATILE LAB CONTROL SAMPLE

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.B09057

Matrix Spike - Client Sample No.: SBLK0922BS1 Level:(low/med) LOW

COMPOUND	SPIKE ADDED (UG/KG)	SAMPLE CONCENTRATION (UG/KG)	LCS CONCENTRATION (UG/KG)	LCS % REC #	QC. LIMITS REC.
Acenaphthene	1667	0.0000	951.7	57	45-110
Acenaphthylene	1667	0.0000	1097	66	50-105
Acetophenone	1667	0.0000	932.5	56	35-110
Aniline	1667	0.0000	548.8	33	10-110
Anthracene	1667	0.0000	1235	74	55-105
Atrazine	1667	0.0000	1361	82	55-105
Benzaldehyde	1667	0.0000	804.0	48	10-160
Benzo(a)anthracene	1667	0.0000	1341	80	60-110
Benzo(b)fluoranthene	1667	0.0000	1318	79	55-115
Benzo(k)fluoranthene	1667	0.0000	1263	76	55-110
Benzo(g,h,i)perylene	1667	0.0000	1420	85	35-135
Benzo(a)pyrene	1667	0.0000	1379	83	60-120
Benzyl alcohol	1667	0.0000	868.3	52	10-110
1,1'-Biphenyl	1667	0.0000	1044	63	45-110
bis(2-Chloroethoxy)meth	1667	0.0000	818.0	49	35-110
bis(2-Chloroethyl)ether	1667	0.0000	668.4	40	25-110
bis(2-Chloroisopropyl)e	1667	0.0000	742.2	44	20-110
Bis(2-ethylhexyl)phthal	1667	0.0000	1512	91	60-115
4-Bromophenyl-phenyleth	1667	0.0000	975.2	58	45-110
Butylbenzylphthalate	1667	0.0000	1382	83	60-115
Caprolactam	1667	0.0000	1479	89	50-110
Carbazole	1667	0.0000	1465	88	45-150
4-Chloroaniline	1667	0.0000	850.9	51	25-120
4-Chloro-3-methylphenol	1667	0.0000	1157	69	40-105
2-Chloronaphthalene	1667	0.0000	860.2	52	45-110
2-Chlorophenol	1667	0.0000	836.6	50	35-110
4-Chlorophenyl-phenylet	1667	0.0000	1077	65	40-105
Chrysene	1667	0.0000	1352	81	55-105

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

COMMENTS: _____

FORM 3
SOIL SEMIVOLATILE LAB CONTROL SAMPLE

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.B09057

Matrix Spike - Client Sample No.: SBLK0922BS1 Level:(low/med) LOW

COMPOUND	SPIKE ADDED (UG/KG)	SAMPLE CONCENTRATION (UG/KG)	LCS CONCENTRATION (UG/KG)	LCS % REC #	QC. LIMITS REC.
Dibenz(a,h)anthracene	1667	0.0000	1526	92	40-130
Dibenzofuran	1667	0.0000	1072	64	50-110
3,3'-Dichlorobenzidine	1667	0.0000	1690	101	50-140
2,4-Dichlorophenol	1667	0.0000	952.2	57	40-110
Diethylphthalate	1667	0.0000	1242	74	55-110
2,4-Dimethylphenol	1667	0.0000	845.8	51	35-110
Dimethylphthalate	1667	0.0000	1104	66	50-110
Di-n-butylphthalate	1667	0.0000	1360	82	60-105
4,6-Dinitro-2-methylphe	1667	0.0000	820.8	49	10-130
2,4-Dinitrophenol	1667	0.0000	489.5	29	10-105
2,4-Dinitrotoluene	1667	0.0000	1318	79	50-105
2,6-Dinitrotoluene	1667	0.0000	1202	72	55-105
Di-n-octylphthalate	1667	0.0000	1360	82	50-125
Fluoranthene	1667	0.0000	1390	83	55-110
Fluorene	1667	0.0000	1139	68	50-105
Hexachlorobenzene	1667	0.0000	1156	69	55-105
Hexachlorobutadiene	1667	0.0000	654.0	39	30-110
Hexachlorocyclopentadie	1667	0.0000	609.9	36	10-110
Hexachloroethane	1667	0.0000	609.7	36	25-110
Indeno(1,2,3-cd)pyrene	1667	0.0000	1500	90	40-130
Isophorone	1667	0.0000	803.7	48	35-110
2-Methylnaphthalene	1667	0.0000	782.5	47	40-110
4-Methylphenol	1667	0.0000	985.5	59	40-105
2-Methylphenol	1667	0.0000	926.0	56	35-110
Naphthalene	1667	0.0000	707.1	42	30-110
2-Nitroaniline	1667	0.0000	1151	69	45-120
3-Nitroaniline	1667	0.0000	1418	85	50-130
4-Nitroaniline	1667	0.0000	2113	127	25-175

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

COMMENTS: _____

FORM 3
SOIL SEMIVOLATILE LAB CONTROL SAMPLE

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.B09057

Matrix Spike - Client Sample No.: SBLK0922BS1 Level:(low/med) LOW

COMPOUND	SPIKE ADDED (UG/KG)	SAMPLE CONCENTRATION (UG/KG)	LCS CONCENTRATION (UG/KG)	LCS % REC #	QC. LIMITS REC.
Nitrobenzene	1667	0.0000	725.4	44	30-110
2-Nitrophenol	1667	0.0000	697.7	42	35-110
4-Nitrophenol	1667	0.0000	1364	82	40-125
N-Nitroso-di-methylamin	1667	0.0000	536.5	32	10-110
N-Nitrosodiphenylamine	1667	0.0000	1293	78	55-110
N-Nitroso-di-n-prop.(1)	1667	0.0000	779.6	47	30-110
Pentachlorophenol	1667	0.0000	941.9	56	35-125
Phenanthrene	1667	0.0000	1254	75	55-105
Phenol	1667	0.0000	789.5	47	30-110
Pyrene	1667	0.0000	1249	75	55-115
Pyridine	1667	0.0000	377.5	23	10-110
1,2,4-Trichlorobenzene	1667	0.0000	631.3	38	30-110
2,4,5-Trichlorophenol	1667	0.0000	1219	73	50-105
2,4,6-Trichlorophenol	1667	0.0000	935.5	56	45-105

(1) N-Nitroso-di-n-propylamine

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

RPD: 0 out of 0 outside limits
Spike Recovery: 0 out of 70 outside limits

COMMENTS: _____

FORM 3

SOIL SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.B09057

Matrix Spike - Client Sample No.: OLFS4-DP13-S20 Lab Sample ID: 0609057-11

Level: (low/med) LOW

COMPOUND	SPIKE ADDED (UG/KG)	SAMPLE CONCENTRATION (UG/KG)	MS CONCENTRATION (UG/KG)	MS % REC #	QC. LIMITS REC.
Acenaphthene	1836	0.0000	1057	58	45-110
Acenaphthylene	1836	0.0000	1191	65	50-105
Anthracene	1836	0.0000	1344	73	55-105
Benzo(a)anthracene	1836	0.0000	1391	76	60-110
Benzo(b)fluoranthene	1836	0.0000	1445	79	55-115
Benzo(k)fluoranthene	1836	0.0000	1318	72	55-110
Benzo(g,h,i)perylene	1836	0.0000	1450	79	35-135
Benzo(a)pyrene	1836	0.0000	1419	77	60-120
Chrysene	1836	0.0000	1400	76	55-105
Dibenz(a,h)anthracene	1836	0.0000	1553	84	40-130
Fluoranthene	1836	0.0000	1426	78	55-110
Fluorene	1836	0.0000	1189	65	50-105
Indeno(1,2,3-cd)pyrene	1836	0.0000	1450	79	40-130
2-Methylnaphthalene	1836	0.0000	891.2	48	40-110
1-Methylnaphthalene	1836	0.0000	828.3	45	30-110
Naphthalene	1836	0.0000	834.2	45	30-110
Phenanthrene	1836	0.0000	1312	71	55-105
Pyrene	1836	0.0000	1343	73	55-115

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

COMMENTS: _____

FORM 3

SOIL SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.B09057

Matrix Spike - Client Sample No.: OLFS4-DP13-S20 Lab Sample ID: 0609057-11

Level: (low/med) LOW

COMPOUND	SPIKE ADDED (UG/KG)	MSD CONCENTRATION (UG/KG)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Acenaphthene	1753	1009	58	5	50	45-110
Acenaphthylene	1753	1108	63	7	50	50-105
Anthracene	1753	1260	72	6	50	55-105
Benzo(a)anthracene	1753	1314	75	6	50	60-110
Benzo(b)fluoranthene	1753	1411	80	2	50	55-115
Benzo(k)fluoranthene	1753	1307	74	1	50	55-110
Benzo(g,h,i)perylene	1753	1491	85	3	50	35-135
Benzo(a)pyrene	1753	1429	82	1	50	60-120
Chrysene	1753	1238	71	12	50	55-105
Dibenz(a,h)anthracene	1753	1559	89	0	50	40-130
Fluoranthene	1753	1321	75	8	50	55-110
Fluorene	1753	1158	66	3	50	50-105
Indeno(1,2,3-cd)pyrene	1753	1516	86	4	50	40-130
2-Methylnaphthalene	1753	806.1	46	10	50	40-110
1-Methylnaphthalene	1753	797.4	45	4	50	30-110
Naphthalene	1753	757.8	43	10	50	30-110
Phenanthrene	1753	1137	65	14	50	55-105
Pyrene	1753	1321	75	2	50	55-115

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

RPD: 0 out of 18 outside limits
Spike Recovery: 0 out of 36 outside limits

COMMENTS: _____

FORM 4
SEMIVOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE NO.

SBLK0922BS1

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.B09057

Lab File ID: SBLK0922 Lab Sample ID: SBLK0922BS1

Instrument ID: BNA1 Date Extracted: 09/22/06

Matrix: (soil/water) SOIL Date Analyzed: 09/25/06

Level: (low/med) LOW GPC Cleanup: (Y/N) N Time Analyzed: 1854

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	SBLK0922BS1L	SBLK0922BS1LCS	SLCS0922	09/25/06
02	OLFS4-DP25-S	0609057-01	0905701	09/25/06
03	OLFS4-DP26-5	0609057-04	0905704	09/25/06
04	OLFS4-DP27-S	0609057-05	0905705	09/25/06
05	OLFS4-DP28-S	0609057-06	0905706	09/25/06
06	OLFS4-DUP01S	0609057-07	0905707	09/25/06
07	OLFS4-DP29-S	0609057-08	0905708	09/25/06
08	OLFS4-DUP02S	0609057-09	0905709	09/26/06
09	OLFS4-DP30-S	0609057-10	0905710	09/26/06
10	OLFS4-DP13-S	0609057-11	0905711	09/26/06
11	OLFS4-DP13-S	0609057-11	0905711M	09/26/06
12	OLFS4-DP13-S	0609057-11	0905711S	09/26/06
13	OLFS4-DP14-S	0609057-12	0905712	09/26/06
14	OLFS4-DP15-S	0609057-13	0905713	09/26/06
~~15~~	~~OLFS4-DPW1-S~~	0609057-14	0905714	~~09/26/06~~
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10/6/06

COMMENTS:

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

SBLK0922BS1

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.B09057

Matrix: (soil/water) SOIL Lab Sample ID: SBLK0922BS1

Sample wt/vol: 15.0 (g/mL) G Lab File ID: SBLK0922

% Moisture: 0 decanted: (Y/N) N Date Sampled: _____

Extraction: (SepF/Cont/Sonc/Soxh) SOXH Date Extracted: 09/22/06

Concentrated Extract Volume: 500.0(uL) Date Analyzed: 09/25/06 18:54

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	MDL	RL	CONC	Q
83-32-9	Acenaphthene	20	100		U
208-96-8	Acenaphthylene	20	100		U
120-12-7	Anthracene	20	100		U
56-55-3	Benzo(a)anthracene	20	100		U
205-99-2	Benzo(b)fluoranthene	20	100		U
207-08-9	Benzo(k)fluoranthene	20	100		U
191-24-2	Benzo(g,h,i)perylene	20	100		U
50-32-8	Benzo(a)pyrene	20	100		U
218-01-9	Chrysene	20	100		U
53-70-3	Dibenz(a,h)anthracene	20	100		U
206-44-0	Fluoranthene	20	100		U
86-73-7	Fluorene	20	100		U
193-39-5	Indeno(1,2,3-cd)pyrene	20	100		U
91-57-6	2-Methylnaphthalene	20	100		U
90-12-0	1-Methylnaphthalene	50	100		U
91-20-3	Naphthalene	20	100		U
85-01-8	Phenanthrene	20	100		U
129-00-0	Pyrene	20	100		U

FORM 4
SEMIVOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE NO.

SBLK0922BS1

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.B09057

Lab File ID: SBLK0922 Lab Sample ID: SBLK0922BS1

Instrument ID: BNA1 Date Extracted: 09/22/06

Matrix: (soil/water) SOIL Date Analyzed: 10/06/06

Level:(low/med) LOW GPC Cleanup: (Y/N) N Time Analyzed: 1129

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	SBLK0922BS1L	SBLK0922BS1LCS	SLCS0922	10/06/06
02	OLFS4-DPW1-S	0609057-14	0905714	10/06/06
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COMMENTS:

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

SBLK0922BS1

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.B09057

Matrix: (soil/water) SOIL Lab Sample ID: SBLK0922BS1

Sample wt/vol: 15.0 (g/mL) G Lab File ID: SBLK0922

% Moisture: 0 decanted: (Y/N) N Date Sampled: _____

Extraction: (SepF/Cont/Sonc/Soxh) SOXH Date Extracted: 09/22/06

Concentrated Extract Volume: 500.0(uL) Date Analyzed: 10/06/06 11:29

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	MDL	RL	CONC	Q
83-32-9	Acenaphthene	20	170		U
208-96-8	Acenaphthylene	20	170		U
98-86-2	Acetophenone	50	170		U
53-96-3	2-Acetylaminofluorene	50	170		U
92-67-1	4-Aminobiphenyl	50	170		U
62-53-3	Aniline	50	170		U
140-57-8	Aramite	50	170		U
120-12-7	Anthracene	20	170		U
1912-24-9	Atrazine	50	170		U
100-52-7	Benzaldehyde	50	170		U
56-55-3	Benzo(a)anthracene	20	170		U
205-99-2	Benzo(b)fluoranthene	20	170		U
207-08-9	Benzo(k)fluoranthene	20	170		U
191-24-2	Benzo(g,h,i)perylene	20	170		U
50-32-8	Benzo(a)pyrene	20	170		U
100-51-6	Benzyl alcohol	50	170		U
92-52-4	1,1'-Biphenyl	50	170		U
111-91-1	bis(2-Chloroethoxy)methane	50	170		U
111-44-4	bis(2-Chloroethyl)ether	50	170		U
108-60-1	bis(2-Chloroisopropyl)ether	50	170		U
117-81-7	Bis(2-ethylhexyl)phthalate	50	170		U
101-55-3	4-Bromophenyl-phenylether	50	170		U
85-68-7	Butylbenzylphthalate	50	170		U
105-60-2	Caprolactam	50	170		U
86-74-8	Carbazole	20	170		U
106-47-8	4-Chloroaniline	50	170		U
510-15-6	Chlorobenzilate	50	170		U
59-50-7	4-Chloro-3-methylphenol	50	170		U
91-58-7	2-Chloronaphthalene	50	170		U
95-57-8	2-Chlorophenol	50	170		U
7005-72-3	4-Chlorophenyl-phenylether	50	170		U
218-01-9	Chrysene	20	170		U
2303-16-4	Diallate	50	170		U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

SBLK0922BS1

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.B09057

Matrix: (soil/water) SOIL Lab Sample ID: SBLK0922BS1

Sample wt/vol: 15.0 (g/mL) G Lab File ID: SBLK0922

% Moisture: 0 decanted: (Y/N) N Date Sampled: _____

Extraction: (SepF/Cont/Sonc/Soxh) SOXH Date Extracted:09/22/06

Concentrated Extract Volume: 500.0(uL) Date Analyzed: 10/06/06 11:29

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	MDL	RL	CONC	Q
53-70-3	Dibenz(a,h)anthracene	20	170		U
132-64-9	Dibenzofuran	50	170		U
91-94-1	3,3'-Dichlorobenzidine	75	170		U
120-83-2	2,4-Dichlorophenol	50	170		U
87-65-0	2,6-Dichlorophenol	50	170		U
84-66-2	Diethylphthalate	50	170		U
60-51-5	Dimethoate	50	170		U
60-11-7	p-(Dimethylamino)azobenzene	50	170		U
57-97-6	7,12-Dimethylbenz[a]anthrace	50	170		U
119-93-7	3,3'-Dimethylbenzidine	50	170		U
122-09-8	a,a-Dimethyl-phenethylamine	50	170		U
105-67-9	2,4-Dimethylphenol	50	670		U
131-11-3	Dimethylphthalate	50	170		U
84-74-2	Di-n-butylphthalate	50	170		U
99-65-0	m-Dinitrobenzene	50	170		U
534-52-1	4,6-Dinitro-2-methylphenol	50	670		U
51-28-5	2,4-Dinitrophenol	50	1700		U
121-14-2	2,4-Dinitrotoluene	50	170		U
606-20-2	2,6-Dinitrotoluene	50	170		U
117-84-0	Di-n-octylphthalate	50	170		U
122-39-4	Diphenylamine	50	170		U
62-50-0	Ethyl methanesulfonate	50	170		U
206-44-0	Fluoranthene	20	170		U
86-73-7	Fluorene	20	170		U
118-74-1	Hexachlorobenzene	50	170		U
87-68-3	Hexachlorobutadiene	50	170		U
77-47-4	Hexachlorocyclopentadiene	50	170		U
67-72-1	Hexachloroethane	50	170		U
70-30-4	Hexachlorophene	50	330		U
1888-71-7	Hexachloropropene	50	170		U
193-39-5	Indeno(1,2,3-cd)pyrene	20	170		U
465-73-6	Isodrin	50	170		U
78-59-1	Isophorone	50	170		U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

SBLK0922BS1

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.B09057

Matrix: (soil/water) SOIL Lab Sample ID: SBLK0922BS1

Sample wt/vol: 15.0 (g/mL) G Lab File ID: SBLK0922

% Moisture: 0 decanted: (Y/N) N Date Sampled: _____

Extraction: (SepF/Cont/Sonc/Soxh) SOXH Date Extracted:09/22/06

Concentrated Extract Volume: 500.0(uL) Date Analyzed: 10/06/06 11:29

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	MDL	RL	CONC	Q
120-58-1	Isosafrole	50	170		U
143-50-0	Kepone	50	170		U
91-80-5	Methapyrilene	50	170		U
56-49-5	3-Methylcholanthrene	50	170		U
66-27-3	Methyl methanesulfonate	50	170		U
91-57-6	2-Methylnaphthalene	20	170		U
106-44-5	4-Methylphenol	50	170		U
108-39-4	3-Methylphenol	50	170		U
95-48-7	2-Methylphenol	50	170		U
91-20-3	Naphthalene	20	170		U
130-15-4	1,4-Naphthoquinone	50	170		U
134-32-7	1-Naphthylamine	50	170		U
91-59-8	2-Naphthylamine	50	170		U
88-74-4	2-Nitroaniline	50	670		U
99-09-2	3-Nitroaniline	50	670		U
100-01-6	4-Nitroaniline	50	670		U
98-95-3	Nitrobenzene	50	170		U
88-75-5	2-Nitrophenol	50	170		U
100-02-7	4-Nitrophenol	50	670		U
56-57-5	4-Nitroquinoline-1-oxide	50	170		U
924-16-3	N-Nitrosodi-n-butylamine	50	170		U
55-18-5	N-Nitrosodiethylamine	50	170		U
62-75-9	N-Nitroso-di-methylamine	50	170		U
86-30-6	N-Nitrosodiphenylamine (1)	50	170		U
621-64-7	N-Nitroso-di-n-propylamine	50	170		U
10595-95-6	N-Nitrosomethylethylamine	50	170		U
59-89-2	N-Nitrosomorpholine	50	170		U
100-75-4	N-Nitrosopiperidine	50	170		U
930-55-2	N-Nitrosopyrrolidine	50	170		U
99-55-8	5-Nitro-o-toluidine	50	170		U
608-93-5	Pentachlorobenzene	50	170		U
82-68-8	Pentachloronitrobenzene	50	170		U
76-01-7	Pentachloroethane	50	170		U

(1) - Cannot be separated from Diphenylamine

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

SBLK0922BS1

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.B09057

Matrix: (soil/water) SOIL Lab Sample ID: SBLK0922BS1

Sample wt/vol: 15.0 (g/mL) G Lab File ID: SBLK0922

% Moisture: 0 decanted: (Y/N) N Date Sampled: _____

Extraction: (SepF/Cont/Sonc/Soxh) SOXH Date Extracted:09/22/06

Concentrated Extract Volume: 500.0(uL) Date Analyzed: 10/06/06 11:29

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	MDL	RL	CONC	Q
87-86-5	Pentachlorophenol	50	670		U
62-44-2	Phenacetin	50	170		U
85-01-8	Phenanthrene	20	170		U
108-95-2	Phenol	50	170		U
106-50-3	p-Phenylenediamine	50	170		U
109-06-8	2-Picoline	50	170		U
23950-58-5	Pronamide	50	170		U
129-00-0	Pyrene	20	170		U
110-86-1	Pyridine	50	670		U
94-59-7	Safrole	50	170		U
95-94-3	1,2,4,5-Tetrachlorobenzene	50	170		U
58-90-2	2,3,4,6-Tetrachlorophenol	50	170		U
95-53-4	o-Toluidine	50	170		U
120-82-1	1,2,4-Trichlorobenzene	50	170		U
95-95-4	2,4,5-Trichlorophenol	50	170		U
88-06-2	2,4,6-Trichlorophenol	50	170		U
126-68-1	O,O,O-Triethylphosphorothioa	50	170		U
99-35-4	sym-Trinitrobenzene	50	170		U

FORM 5
SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.B09057

Lab File ID: DF0911B1 DFTPP Injection Date: 09/11/06

Instrument ID: BNA1 DFTPP Injection Time: 0758

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	51.6
68	Less than 2.0% of mass 69	0.0 (0.0)1
69	Mass 69 relative abundance	80.7
70	Less than 2.0% of mass 69	0.3 (0.4)1
127	40.0 - 60.0% of mass 198	48.8
197	Less than 1.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100.0
199	5.0 to 9.0% of mass 198	7.4
275	10.0 - 30.0% of mass 198	18.4
365	Greater than 1.0% of mass 198	1.75
441	Present, but less than mass 443	9.9
442	Greater than 40.0% of mass 198	57.8
443	17.0 - 23.0% of mass 442	10.7 (18.5)2

1-Value is % mass 69 2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	CAL001PPM	CAL001PPM	CAL001	09/11/06	0818
02	CAL002PPM	CAL002PPM	CAL002	09/11/06	0853
03	CAL005PPM	CAL005PPM	CAL005	09/11/06	0928
04	CAL010PPM	CAL010PPM	CAL010	09/11/06	1003
05	CAL020PPM	CAL020PPM	CAL020	09/11/06	1038
06	CAL030PPM	CAL030PPM	CAL030	09/11/06	1114
07	CAL040PPM	CAL040PPM	CAL040	09/11/06	1149
08	CAL050PPM	CAL050PPM	CAL050	09/11/06	1224
09	CAL060PPM	CAL060PPM	CAL060	09/11/06	1259
10	CAL070PPM	CAL070PPM	CAL070	09/11/06	1334
11	CAL080PPM	CAL080PPM	CAL080	09/11/06	1410
12	CAL090PPM	CAL090PPM	CAL090	09/11/06	1445
13	CAL100PPM	CAL100PPM	CAL100	09/11/06	1520
14	CALB002PPM	CALB002PPM	CALB002	09/11/06	1555
15	CALB005PPM	CALB005PPM	CALB005	09/11/06	1631
16	CALB010PPM	CALB010PPM	CALB010	09/11/06	1706
17	CALB020PPM	CALB020PPM	CALB020	09/11/06	1741
18	CALB030PPM	CALB030PPM	CALB030	09/11/06	1816
19	CALB040PPM	CALB040PPM	CALB040	09/11/06	1851
20	CALB050PPM	CALB050PPM	CALB050	09/11/06	1926
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FORM 5
SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.B09057

Lab File ID: DF0911B2 DFTPP Injection Date: 09/11/06

Instrument ID: BNA1 DFTPP Injection Time: 1958

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	51.8
68	Less than 2.0% of mass 69	0.0 (0.0)1
69	Mass 69 relative abundance	78.8
70	Less than 2.0% of mass 69	0.3 (0.4)1
127	40.0 - 60.0% of mass 198	49.8
197	Less than 1.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100.0
199	5.0 to 9.0% of mass 198	6.7
275	10.0 - 30.0% of mass 198	18.2
365	Greater than 1.0% of mass 198	1.86
441	Present, but less than mass 443	9.0
442	Greater than 40.0% of mass 198	56.3
443	17.0 - 23.0% of mass 442	11.0 (19.6)2

1-Value is % mass 69 2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	CALB060PPM	CALB060PPM	CALB060	09/11/06	2018
02	CALB070PPM	CALB070PPM	CALB070	09/11/06	2053
03	CALB080PPM	CALB080PPM	CALB080	09/11/06	2128
04	CALB090PPM	CALB090PPM	CALB090	09/11/06	2203
05	CALB100PPM	CALB100PPM	CALB100	09/11/06	2238
06	APPC002PPM	APPC002PPM	APPC002	09/12/06	0022
07	APPC005PPM	APPC005PPM	APPC005	09/12/06	0057
08	APPC010PPM	APPC010PPM	APPC010	09/12/06	0132
09	APPC020PPM	APPC020PPM	APPC020	09/12/06	0207
10	APPC030PPM	APPC030PPM	APPC030	09/12/06	0242
11	APPC050PPM	APPC050PPM	APPC050	09/12/06	0317
12	APPC060PPM	APPC060PPM	APPC060	09/12/06	0351
13	APPC070PPM	APPC070PPM	APPC070	09/12/06	0426
14	APPC080PPM	APPC080PPM	APPC080	09/12/06	0501
15	APPC090PPM	APPC090PPM	APPC090	09/12/06	0536
16	APPC100PPM	APPC100PPM	APPC100	09/12/06	0611
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FORM 5
SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.B09057

Lab File ID: DF0911B3 DFTPP Injection Date: 09/12/06

Instrument ID: BNA1 DFTPP Injection Time: 0736

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	56.4
68	Less than 2.0% of mass 69	0.0 (0.0)1
69	Mass 69 relative abundance	81.8
70	Less than 2.0% of mass 69	0.0 (0.0)1
127	40.0 - 60.0% of mass 198	48.0
197	Less than 1.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100.0
199	5.0 to 9.0% of mass 198	6.9
275	10.0 - 30.0% of mass 198	16.0
365	Greater than 1.0% of mass 198	2.08
441	Present, but less than mass 443	8.0
442	Greater than 40.0% of mass 198	50.0
443	17.0 - 23.0% of mass 442	9.9 (19.8)2

1-Value is % mass 69 2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	CALA002PPM	CALA002PPM	CALA002	09/12/06	0756
02	CALA005PPM	CALA005PPM	CALA005	09/12/06	0831
03	CALA010PPM	CALA010PPM	CALA010	09/12/06	0906
04	CALA020PPM	CALA020PPM	CALA020	09/12/06	0941
05	CALA030PPM	CALA030PPM	CALA030	09/12/06	1016
06	CALA050PPM	CALA050PPM	CALA050	09/12/06	1051
07	CALA070PPM	CALA070PPM	CALA070	09/12/06	1126
08	CALA100PPM	CALA100PPM	CALA100	09/12/06	1201
09	APPA002PPM	APPA002PPM	APPA002	09/12/06	1236
10	APPA005PPM	APPA005PPM	APPA005	09/12/06	1311
11	APPA010PPM	APPA010PPM	APPA010	09/12/06	1346
12	APPA020PPM	APPA020PPM	APPA020	09/12/06	1421
13	APPA030PPM	APPA030PPM	APPA030	09/12/06	1456
14	APPA050PPM	APPA050PPM	APPA050	09/12/06	1531
15	APPA070PPM	APPA070PPM	APPA070	09/12/06	1606
16	APPA100PPM	APPA100PPM	APPA100	09/12/06	1641
17	APPB002PPM	APPB002PPM	APPB002	09/12/06	1716
18	APPB005PPM	APPB005PPM	APPB005	09/12/06	1751
19	APPB010PPM	APPB010PPM	APPB010	09/12/06	1827
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FORM 5
SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.B09057

Lab File ID: DF0911B4 DFTPP Injection Date: 09/12/06

Instrument ID: BNA1 DFTPP Injection Time: 1859

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	49.0
68	Less than 2.0% of mass 69	0.0 (0.0)1
69	Mass 69 relative abundance	76.7
70	Less than 2.0% of mass 69	0.2 (0.3)1
127	40.0 - 60.0% of mass 198	47.5
197	Less than 1.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100.0
199	5.0 to 9.0% of mass 198	6.3
275	10.0 - 30.0% of mass 198	17.6
365	Greater than 1.0% of mass 198	1.94
441	Present, but less than mass 443	9.1
442	Greater than 40.0% of mass 198	56.9
443	17.0 - 23.0% of mass 442	11.8 (20.8)2

1-Value is % mass 69 2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	APPB020PPM	APPB020PPM	APPB020	09/12/06	1919
02	APPB030PPM	APPB030PPM	APPB030	09/12/06	1953
03	APPB050PPM	APPB050PPM	APPB050	09/12/06	2028
04	APPB070PPM	APPB070PPM	APPB070	09/12/06	2103
05	APPB100PPM	APPB100PPM	APPB100	09/12/06	2138
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FORM 5
SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.B09057

Lab File ID: DF0925B1 DFTPP Injection Date: 09/25/06

Instrument ID: BNA1 DFTPP Injection Time: 1245

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	50.1
68	Less than 2.0% of mass 69	0.0 (0.0)1
69	Mass 69 relative abundance	73.8
70	Less than 2.0% of mass 69	0.0 (0.0)1
127	40.0 - 60.0% of mass 198	46.7
197	Less than 1.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100.0
199	5.0 to 9.0% of mass 198	6.5
275	10.0 - 30.0% of mass 198	18.0
365	Greater than 1.0% of mass 198	1.99
441	Present, but less than mass 443	9.0
442	Greater than 40.0% of mass 198	57.4
443	17.0 - 23.0% of mass 442	12.3 (21.4)2

1-Value is % mass 69 2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	CCV050PPM	CCV050PPM	CCV050S	09/25/06	1305
02	SBLK0922BS1	SBLK0922BS1	SBLK0922	09/25/06	1854
03	SBLK0922BS1L	SBLK0922BS1LCS	SLCS0922	09/25/06	1929
04	OLFS4-DP25-S	0609057-01	0905701	09/25/06	2039
05	OLFS4-DP26-5	0609057-04	0905704	09/25/06	2113
06	OLFS4-DP27-S	0609057-05	0905705	09/25/06	2148
07	OLFS4-DP28-S	0609057-06	0905706	09/25/06	2223
08	OLFS4-DUP01S	0609057-07	0905707	09/25/06	2258
09	OLFS4-DP29-S	0609057-08	0905708	09/25/06	2332
10	OLFS4-DUP02S	0609057-09	0905709	09/26/06	0007
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FORM 5
SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.B09057

Lab File ID: DF0925B2 DFTPP Injection Date: 09/26/06

Instrument ID: BNA1 DFTPP Injection Time: 0039

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	36.5
68	Less than 2.0% of mass 69	0.0 (0.0)1
69	Mass 69 relative abundance	62.6
70	Less than 2.0% of mass 69	0.1 (0.2)1
127	40.0 - 60.0% of mass 198	45.3
197	Less than 1.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100.0
199	5.0 to 9.0% of mass 198	6.3
275	10.0 - 30.0% of mass 198	19.5
365	Greater than 1.0% of mass 198	2.73
441	Present, but less than mass 443	13.7
442	Greater than 40.0% of mass 198	83.4
443	17.0 - 23.0% of mass 442	15.9 (19.0)2

1-Value is % mass 69 2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	CCV050PPM	CCV050PPM	CCV050E	09/26/06	0059
02	OLFS4-DP30-S	0609057-10	0905710	09/26/06	0133
03	OLFS4-DP13-S	0609057-11	0905711	09/26/06	0208
04	OLFS4-DP13-S	0609057-11	0905711M	09/26/06	0243
05	OLFS4-DP13-S	0609057-11	0905711S	09/26/06	0317
06	OLFS4-DP14-S	0609057-12	0905712	09/26/06	0352
07	OLFS4-DP15-S	0609057-13	0905713	09/26/06	0426
08	~~OLFS4-DPW1-S~~	~~0609057-14~~	0905714	~~09/26/06~~	~~0501~~ 10/10/06
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FORM 5
SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.B09057

Lab File ID: DF1006B1 DFTPP Injection Date: 10/06/06

Instrument ID: BNA1 DFTPP Injection Time: 0849

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	55.6
68	Less than 2.0% of mass 69	0.0 (0.0)1
69	Mass 69 relative abundance	83.9
70	Less than 2.0% of mass 69	0.3 (0.3)1
127	40.0 - 60.0% of mass 198	50.8
197	Less than 1.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100.0
199	5.0 to 9.0% of mass 198	6.9
275	10.0 - 30.0% of mass 198	17.6
365	Greater than 1.0% of mass 198	1.62
441	Present, but less than mass 443	3.5
442	Greater than 40.0% of mass 198	59.8
443	17.0 - 23.0% of mass 442	11.5 (19.3)2

1-Value is % mass 69 2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	CCV050PPM	CCV050PPM	CCV050S	10/06/06	0909
02	APP9ACCV050P	APP9ACCV050PPM	APPACCVS	10/06/06	0944
03	APP9BCCV050P	APP9BCCV050PPM	APPBCCVS	10/06/06	1019
04	APP9CCCV050P	APP9CCCV050PPM	APPCCCVS	10/06/06	1054
05	SBLK0922BS1	SBLK0922BS1	SBLK0922	10/06/06	1129
06	SBLK0922BS1L	SBLK0922BS1LCS	SLCS0922	10/06/06	1204
07	OLFS4-DPW1-S	0609057-14	0905714	10/06/06	1239
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FORM 8
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.B09057

Lab File ID (Standard): CCV050S Date Analyzed: 09/25/06

Instrument ID: BNA1 Time Analyzed: 1305

		IS1(DCB) AREA	#	RT	#	IS2(NPT) AREA	#	RT	#	IS3(ANT) AREA	#	RT	#
	12 HOUR STD	560029		4.75		1801520		5.92		942466		8.74	
	UPPER LIMIT	1120058		5.25		3603040		6.42		1884932		9.24	
	LOWER LIMIT	280015		4.25		900760		5.42		471233		8.24	
	CLIENT SAMPLE NO.												
01	SBLK0922BS1	541869		4.76		1894327		5.92		967121		8.74	
02	SBLK0922BS1L	606974		4.76		1946733		5.92		1016480		8.74	
03	OLFS4-DP25-S	610036		4.76		1937800		5.91		977306		8.74	
04	OLFS4-DP26-5	597182		4.76		1878790		5.92		1014737		8.73	
05	OLFS4-DP27-S	600570		4.76		1945623		5.91		1001619		8.74	
06	OLFS4-DP28-S	638685		4.76		2153265		5.91		1061883		8.73	
07	OLFS4-DUP01S	627650		4.76		2153234		5.91		1041305		8.74	
08	OLFS4-DP29-S	604591		4.75		2086732		5.91		1053984		8.74	
09	OLFS4-DUP02S	597741		4.76		1981068		5.91		981629		8.74	
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IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

FORM 8
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.B09057

Lab File ID (Standard): CCV050S Date Analyzed: 09/25/06

Instrument ID: BNA1 Time Analyzed: 1305

		IS4 (PHN) AREA	#	RT	#	IS5 (CRY) AREA	#	RT	#	IS6 (PRY) AREA	#	RT	#
	12 HOUR STD	1201363		12.29		898112		19.88		959264		24.04	
	UPPER LIMIT	2402726		12.79		1796224		20.38		1918528		24.54	
	LOWER LIMIT	600682		11.79		449056		19.38		479632		23.54	
	CLIENT SAMPLE NO.												
01	SBLK0922BS1	1227322		12.28		1029946		19.87		1075235		24.04	
02	SBLK0922BS1L	1361225		12.29		1015578		19.89		1026301		24.04	
03	OLFS4-DP25-S	1319525		12.28		1074236		19.87		1063754		24.04	
04	OLFS4-DP26-5	1287820		12.28		927510		19.87		925433		24.02	
05	OLFS4-DP27-S	1408259		12.29		1112268		19.87		1241465		24.04	
06	OLFS4-DP28-S	1440737		12.28		1135411		19.87		1166911		24.03	
07	OLFS4-DUP01S	1483241		12.28		1176401		19.87		1238052		24.04	
08	OLFS4-DP29-S	1429046		12.29		1182772		19.87		1205222		24.04	
09	OLFS4-DUP02S	1322179		12.28		1151588		19.88		1133922		24.04	
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IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

FORM 8
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.B09057

Lab File ID (Standard): CCV050E Date Analyzed: 09/26/06

Instrument ID: BNA1 Time Analyzed: 0059

		IS1(DCB) AREA	#	RT	#	IS2(NPT) AREA	#	RT	#	IS3(ANT) AREA	#	RT	#
	12 HOUR STD	526752		4.76		1760447		5.92		883497		8.74	
	UPPER LIMIT	1053504		5.26		3520894		6.42		1766994		9.24	
	LOWER LIMIT	263376		4.26		880224		5.42		441749		8.24	
	CLIENT SAMPLE NO.												
01	OLFS4-DP30-S	588148		4.76		1854832		5.91		974347		8.74	
02	OLFS4-DP13-S	577162		4.75		1892650		5.91		947874		8.74	
03	OLFS4-DP13-S	588097		4.75		1843196		5.91		934845		8.74	
04	OLFS4-DP13-S	532402		4.76		1847493		5.92		932349		8.74	
05	OLFS4-DP14-S	576759		4.76		2039669		5.91		1004573		8.74	
06	OLFS4-DP15-S	573818		4.76		1846959		5.91		902284		8.73	
~~07~~	~~OLFS4-DPW1-S~~	~~624653~~		~~4.75~~		~~1993986~~		~~5.92~~		~~966673~~		~~8.74~~	
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IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

FORM 8
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.B09057

Lab File ID (Standard): CCV050E Date Analyzed: 09/26/06

Instrument ID: BNA1 Time Analyzed: 0059

		IS4(PHN) AREA	#	RT	#	IS5(CRY) AREA	#	RT	#	IS6(PRY) AREA	#	RT	#
	12 HOUR STD	1243360		12.29		919317		19.89		796896		24.04	
	UPPER LIMIT	2486720		12.79		1838634		20.39		1593792		24.54	
	LOWER LIMIT	621680		11.79		459659		19.39		398448		23.54	
	CLIENT SAMPLE NO.												
01	OLFS4-DP30-S	1276296		12.29		1023995		19.88		1007248		24.04	
02	OLFS4-DP13-S	1228580		12.28		970102		19.87		947649		24.03	
03	OLFS4-DP13-S	1305358		12.29		987387		19.88		994744		24.05	
04	OLFS4-DP13-S	1319460		12.29		955709		19.88		899943		24.05	
05	OLFS4-DP14-S	1360334		12.28		1144143		19.87		1116616		24.03	
06	OLFS4-DP15-S	1299661		12.28		1017082		19.87		1041391		24.04	
~~07~~	~~OLFS4-DPW1-S~~	~~1369165~~		~~12.28~~		~~1048452~~		~~19.88~~		~~971702~~		~~24.03~~	
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MM 10/10/06

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

FORM 8
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.B09057

Lab File ID (Standard): APPCCCVS Date Analyzed: 10/06/06

Instrument ID: BNA1 Time Analyzed: 1054

		IS1(DCB) AREA	#	RT	#	IS2(NPT) AREA	#	RT	#	IS3(ANT) AREA	#	RT	#
	12 HOUR STD	624936		4.74		1846027		5.91		993260		8.73	
	UPPER LIMIT	1249872		5.24		3692054		6.41		1986520		9.23	
	LOWER LIMIT	312468		4.24		923014		5.41		496630		8.23	
	CLIENT SAMPLE NO.												
01	SBLK0922BS1	559043		4.75		2026356		5.91		980222		8.73	
02	SBLK0922BS1L	605545		4.75		2080738		5.91		1030453		8.73	
03	OLFS4-DPW1-S	606498		4.75		2066824		5.91		1061881		8.73	
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IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

FORM 8
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.B09057

Lab File ID (Standard): APPCCCVS Date Analyzed: 10/06/06

Instrument ID: BNA1 Time Analyzed: 1054

		IS4(PHN) AREA #	RT #	IS5(CRY) AREA #	RT #	IS6(PRY) AREA #	RT #
	12 HOUR STD	1354948	12.28	1079022	19.86	1009985	24.03
	UPPER LIMIT	2709896	12.78	2158044	20.36	2019970	24.53
	LOWER LIMIT	677474	11.78	539511	19.36	504993	23.53
	CLIENT SAMPLE NO.						
01	SBLK0922BS1	1326125	12.28	1202548	19.86	1170243	24.03
02	SBLK0922BS1L	1441976	12.28	1139104	19.88	1225674	24.04
03	OLFS4-DPW1-S	1441848	12.28	1130715	19.87	1106997	24.02
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IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

FORM 6
SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.B09057

Instrument ID: BNA1 Calibration Date(s): 09/11/06 09/12/06

Column: FUSED SILICA ID: 0.25 (mm) Calibration Time(s): 0818 2138

LAB FILE ID: RF1: CAL001 RF2: APPB002 RF5: APPB005
RF10: APPB010 RF20: APPB020

COMPOUND	RF1	RF2	RF5	RF10	RF20
Acenaphthene	1.257	1.217	1.115	1.192	1.177
Acenaphthylene	1.775	1.927	1.721	1.794	1.813
Anthracene	1.178	1.014	1.193	1.231	1.158
Benzo(a)anthracene	1.254	1.184	1.282	1.303	1.354
Benzo(b)fluoranthene	0.932	0.978	1.101	1.241	1.227
Benzo(k)fluoranthene	1.313	1.174	1.295	1.332	1.336
Benzo(g,h,i)perylene	0.621	0.860	0.760	0.916	0.872
Benzo(a)pyrene	0.721	0.853	0.970	1.181	1.110
Chrysene	1.280	1.049	1.114	1.185	1.186
Dibenz(a,h)anthracene	0.510	0.574	0.637	0.749	0.751
Fluoranthene	0.969	1.051	1.139	1.174	1.216
Fluorene	1.313	1.323	1.218	1.308	1.201
Indeno(1,2,3-cd)pyrene	0.684	0.618	0.632	0.762	0.774
2-Methylnaphthalene	0.604	0.539	0.560	0.642	0.612
1-Methylnaphthalene	0.591	0.567	0.581	0.599	0.612
Naphthalene	1.064	1.047	1.015	1.073	1.078
Phenanthrene	1.213	1.100	1.246	1.182	1.151
Pyrene	1.570	1.428	1.570	1.556	1.693
Nitrobenzene-d5	0.416	0.375	0.432	0.485	0.528
2-Fluorobiphenyl	1.504	1.454	1.337	1.377	1.381
Terphenyl-d14	0.992	0.949	1.010	1.042	1.098

FORM 6
SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.B09057

Instrument ID: BNA1 Calibration Date(s): 09/11/06 09/12/06

Column: FUSED SILICA ID: 0.25 (mm) Calibration Time(s): 0818 2138

LAB FILE ID: RF30: APPB030 RF40: CALB040 RF50: APPB050
RF60: APPC060 RF70: APPB070

COMPOUND	RF30	RF40	RF50	RF60	RF70
Acenaphthene	1.140	1.218	1.076	1.095	1.118
Acenaphthylene	1.758	1.686	1.673	1.510	1.608
Anthracene	1.134	1.155	1.077	1.054	1.140
Benzo(a)anthracene	1.370	1.308	1.317	1.272	1.289
Benzo(b)fluoranthene	1.254	1.196	1.218	1.255	1.317
Benzo(k)fluoranthene	1.265	1.305	1.304	1.172	1.237
Benzo(g,h,i)perylene	0.996	0.886	0.852	0.808	0.840
Benzo(a)pyrene	1.113	1.120	1.116	1.084	1.123
Chrysene	1.149	1.194	1.275	1.151	1.161
Dibenz(a,h)anthracene	0.789	0.777	0.728	0.778	0.758
Fluoranthene	1.109	1.119	1.008	0.990	1.062
Fluorene	1.232	1.269	1.147	1.144	1.117
Indeno(1,2,3-cd)pyrene	0.918	0.786	0.782	0.796	0.788
2-Methylnaphthalene	0.582	0.565	0.517	0.524	0.525
1-Methylnaphthalene	0.571	0.558	0.531	0.540	0.534
Naphthalene	1.027	0.993	0.938	0.857	0.831
Phenanthrene	1.167	1.147	1.086	1.080	1.082
Pyrene	1.635	1.731	1.731	1.526	1.553
Nitrobenzene-d5	0.478	0.493	0.456	0.450	0.434
2-Fluorobiphenyl	1.325	1.311	1.299	1.202	1.160
Terphenyl-d14	1.008	1.037	1.144	0.988	1.055

FORM 6
SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.B09057

Instrument ID: BNA1 Calibration Date(s): 09/11/06 09/12/06

Column: FUSED SILICA ID: 0.25 (mm) Calibration Time(s): 0818 2138

LAB FILE ID: RF80: APPC080 RF90: APPC090 RF100: APPB100

COMPOUND	RF80	RF90	RF100
Acenaphthene	1.033	1.052	0.973
Acenaphthylene	1.490	1.428	1.435
Anthracene	0.994	0.995	1.012
Benzo(a)anthracene	1.268	1.276	1.293
Benzo(b)fluoranthene	1.279	1.257	1.171
Benzo(k)fluoranthene	1.226	1.259	1.220
Benzo(g,h,i)perylene	0.938	0.802	0.825
Benzo(a)pyrene	1.133	1.119	1.064
Chrysene	1.112	1.138	1.137
Dibenz(a,h)anthracene	0.811	0.759	0.787
Fluoranthene	0.997	1.052	0.960
Fluorene	1.040	1.076	1.054
Indeno(1,2,3-cd)pyrene	0.843	0.796	0.834
2-Methylnaphthalene	0.508	0.505	0.516
1-Methylnaphthalene	0.489	0.496	0.497
Naphthalene	0.806	0.800	0.786
Phenanthrene	1.011	1.033	1.048
Pyrene	1.512	1.527	1.480
Nitrobenzene-d5	0.423	0.442	0.432
2-Fluorobiphenyl	1.052	1.070	1.092
Terphenyl-d14	0.975	0.984	0.942

FORM 6
SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.B09057

Instrument ID: BNA1 Calibration Date(s): 09/11/06 09/12/06

Column: FUSED SILICA ID: 0.25 (mm) Calibration Time(s): 0818 2138

COMPOUND	CURVE	COEFFICENT A1	%RSD OR R^2
Acenaphthene	AVRG	1.12786283	7.3
Acenaphthylene	AVRG	1.66299492	9.5
Anthracene	AVRG	1.10266430	7.5
Benzo(a)anthracene	AVRG	1.29004940	3.6
Benzo(b)fluoranthene	AVRG	1.18664850	9.8
Benzo(k)fluoranthene	AVRG	1.26454520	4.4
Benzo(g,h,i)perylene	AVRG	0.84437438	10.8
Benzo(a)pyrene	AVRG	1.05445302	12.4
Chrysene	AVRG	1.16388757	5.4
Dibenz(a,h)anthracene	AVRG	0.72377142	12.7
Fluoranthene	AVRG	1.06508534	7.6
Fluorene	AVRG	1.18779983	8.4
Indeno(1,2,3-cd)pyrene	AVRG	0.77043777	10.8
2-Methylnaphthalene	AVRG	0.55389608	8.1
1-Methylnaphthalene	AVRG	0.55121326	7.4
Naphthalene	AVRG	0.94756312	12.1
Phenanthrene	AVRG	1.11902998	6.4
Pyrene	AVRG	1.57784212	6.0
Nitrobenzene-d5	AVRG	0.44953050	8.7
2-Fluorobiphenyl	AVRG	1.27422108	11.5
Terphenyl-d14	AVRG	1.01699518	5.6

FORM 6
SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.B09057

Instrument ID: BNA1 Calibration Date(s): 09/11/06 09/12/06

Column: FUSED SILICA ID: 0.25 (mm) Calibration Time(s): 0818 2138

LAB FILE ID: RF1: CAL001 RF2: APPB002 RF5: APPB005
RF10: APPB010 RF20: APPB020

COMPOUND	RF1	RF2	RF5	RF10	RF20
Acenaphthene	1.257	1.217	1.115	1.192	1.177
Acenaphthylene	1.775	1.927	1.721	1.794	1.813
Acetophenone	1.413	1.544	1.498	1.672	1.544
2-Acetylaminofluorene		0.091	0.123	0.212	0.378
4-Aminobiphenyl		0.607	0.634	0.762	0.907
Aniline	2.044	2.155	2.076	2.107	1.761
Aramite			0.058	0.070	0.086
Anthracene	1.178	1.014	1.193	1.231	1.158
Atrazine		0.182	0.200	0.185	0.200
Benzaldehyde		0.727	0.890	0.861	0.968
Benzo(a)anthracene	1.254	1.184	1.282	1.303	1.354
Benzo(b)fluoranthene	0.932	0.978	1.101	1.241	1.227
Benzo(k)fluoranthene	1.313	1.174	1.295	1.332	1.336
Benzo(g,h,i)perylene	0.621	0.860	0.760	0.916	0.872
Benzo(a)pyrene	0.721	0.853	0.970	1.181	1.110
Benzyl alcohol	0.690	0.731	0.846	0.893	1.032
1,1'-Biphenyl		1.452	1.278	1.348	1.350
bis(2-Chloroethoxy)methane	0.573	0.552	0.535	0.561	0.563
bis(2-Chloroethyl)ether	1.969	1.664	1.787	1.760	1.770
bis(2-Chloroisopropyl)ether	3.486	3.138	3.145	3.113	3.170
Bis(2-ethylhexyl)phthalate	0.842	1.006	1.165	1.279	1.461
4-Bromophenyl-phenylether	0.242	0.224	0.258	0.248	0.283
Butylbenzylphthalate	0.802	0.820	0.923	1.053	1.124
Caprolactam		0.065	0.099	0.114	0.122
Carbazole	0.927	0.998	1.168	1.098	1.019
4-Chloroaniline	0.316	0.362	0.440	0.457	0.438
Chlorobenzilate		0.292	0.345	0.399	0.447
4-Chloro-3-methylphenol	0.230	0.218	0.262	0.284	0.335
2-Chloronaphthalene	1.244	1.236	1.162	1.198	1.191
2-Chlorophenol	1.740	1.482	1.425	1.427	1.533
4-Chlorophenyl-phenylether	0.504	0.609	0.504	0.507	0.491
Chrysene	1.280	1.049	1.114	1.185	1.186
Diallate		0.784	0.924	0.893	0.937
Dibenz(a,h)anthracene	0.510	0.574	0.637	0.749	0.751
Dibenzofuran	1.650	1.639	1.513	1.643	1.668
3,3'-Dichlorobenzidine			0.241	0.338	0.364
2,4-Dichlorophenol	0.274	0.242	0.295	0.316	0.340

FORM 6
SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.B09057

Instrument ID: BNA1 Calibration Date(s): 09/11/06 09/12/06

Column: FUSED SILICA ID: 0.25 (mm) Calibration Time(s): 0818 2138

LAB FILE ID: RF1: CAL001 RF2: APPB002 RF5: APPB005
RF10: APPB010 RF20: APPB020

COMPOUND	RF1	RF2	RF5	RF10	RF20
2,6-Dichlorophenol		0.226	0.256	0.276	0.280
Diethylphthalate	1.361	1.469	1.421	1.499	1.421
Dimethoate			0.347	0.386	0.476
p-(Dimethylamino)azobenzene		0.182	0.245	0.270	0.293
7,12-Dimethylbenz[a]anthrace		0.322	0.420	0.487	0.503
3,3'-Dimethylbenzidine		0.295	0.501	0.631	0.651
a,a-Dimethyl-phenethylamine		0.572	0.844	1.039	1.116
2,4-Dimethylphenol	0.407	0.408	0.374	0.398	0.411
Dimethylphthalate	1.346	1.455	1.396	1.443	1.482
Di-n-butylphthalate	1.521	1.659	1.878	1.943	2.031
m-Dinitrobenzene		0.050	0.064	0.141	0.202
4,6-Dinitro-2-methylphenol				0.133	0.156
2,4-Dinitrophenol			0.050	0.118	0.131
2,4-Dinitrotoluene			0.344	0.415	0.418
2,6-Dinitrotoluene		0.221	0.244	0.313	0.335
Di-n-octylphthalate			1.695	2.080	2.219
Diphenylamine		0.863	0.960	0.912	0.953
Ethyl methanesulfonate		1.173	1.362	1.394	1.474
Fluoranthene	0.969	1.051	1.139	1.174	1.216
Fluorene	1.313	1.323	1.218	1.308	1.201
Hexachlorobenzene	0.341	0.314	0.345	0.298	0.302
Hexachlorobutadiene	0.179	0.154	0.159	0.168	0.177
Hexachlorocyclopentadiene		0.163	0.187	0.211	0.214
Hexachloroethane	0.743	0.683	0.650	0.681	0.731
Hexachlorophene					0.018
Hexachloropropene			0.111	0.128	0.152
Indeno(1,2,3-cd)pyrene	0.684	0.618	0.632	0.762	0.774
Isodrin		0.202	0.220	0.214	0.216
Isophorone	0.878	0.845	0.816	0.913	0.895
Isosafrole		0.929	1.001	1.017	0.972
Kepone		0.106	0.136	0.170	0.191
Methapyrilene		0.264	0.511	0.659	0.824
3-Methylcholanthrene			0.415	0.514	0.517
Methyl methanesulfonate		0.900	0.938	0.956	1.031
2-Methylnaphthalene	0.604	0.539	0.560	0.642	0.612
4-Methylphenol	1.237	1.070	1.154	1.228	1.259
3-Methylphenol	1.237	1.070	1.154	1.228	1.259

FORM 6
SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.B09057

Instrument ID: BNA1 Calibration Date(s): 09/11/06 09/12/06

Column: FUSED SILICA ID: 0.25 (mm) Calibration Time(s): 0818 2138

LAB FILE ID: RF1: CAL001 RF2: APPB002 RF5: APPB005
RF10: APPB010 RF20: APPB020

COMPOUND	RF1	RF2	RF5	RF10	RF20
2-Methylphenol	1.177	1.076	1.169	1.222	1.357
Naphthalene	1.064	1.047	1.015	1.073	1.078
1,4-Naphthoquinone		0.401	0.442	0.510	0.448
1-Naphthylamine		0.889	0.949	0.959	1.080
2-Naphthylamine		0.847	1.064	1.165	1.221
2-Nitroaniline		0.287	0.381	0.409	0.468
3-Nitroaniline		0.206	0.281	0.331	0.296
4-Nitroaniline	0.166	0.203	0.225	0.250	0.170
Nitrobenzene	0.380	0.412	0.455	0.488	0.489
2-Nitrophenol	0.197	0.194	0.214	0.254	0.269
4-Nitrophenol			0.163	0.210	0.205
4-Nitroquinoline-1-oxide			0.011	0.023	0.024
N-Nitrosodi-n-butylamine		0.214	0.259	0.245	0.260
N-Nitrosodiethylamine		0.566	0.656	0.671	0.732
N-Nitroso-di-methylamine	0.714	0.706	0.829	0.875	0.920
N-Nitrosodiphenylamine	0.511	0.583	0.623	0.622	0.601
N-Nitroso-di-n-propylamine	1.263	1.125	1.057	1.075	1.070
N-Nitrosomethylethylamine		0.809	0.767	0.776	0.843
N-Nitrosomorpholine		0.980	0.927	0.924	0.846
N-Nitrosopiperidine		0.192	0.195	0.204	0.227
N-Nitrosopyrrolidine		0.645	0.792	0.749	0.748
5-Nitro-o-toluidine		0.098	0.167	0.282	0.375
Pentachlorobenzene		0.496	0.479	0.508	0.472
Pentachloronitrobenzene		0.052	0.070	0.091	0.085
Pentachloroethane		0.408	0.508	0.505	0.520
Pentachlorophenol			0.126	0.155	0.167
Phenacetin		0.259	0.384	0.435	0.454
Phenanthrene	1.213	1.100	1.246	1.182	1.151
Phenol	2.130	1.992	2.083	2.009	2.016
p-Phenylenediamine		0.089	0.134	0.193	0.270
2-Picoline		1.511	1.671	1.677	1.901
Pronamide		0.171	0.245	0.320	0.360
Pyrene	1.570	1.428	1.570	1.556	1.693
Pyridine	1.523	1.631	1.766	1.623	2.080
Safrole		0.255	0.242	0.242	0.255
1,2,4,5-Tetrachlorobenzene		0.278	0.282	0.275	0.273
2,3,4,6-Tetrachlorophenol		0.150	0.193	0.216	0.241

FORM 6
SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.B09057

Instrument ID: BNA1 Calibration Date(s): 09/11/06 09/12/06

Column: FUSED SILICA ID: 0.25 (mm) Calibration Time(s): 0818 2138

LAB FILE ID: RF1: CAL001 RF2: APPB002 RF5: APPB005
RF10: APPB010 RF20: APPB020

COMPOUND	RF1	RF2	RF5	RF10	RF20
o-Toluidine		1.568	1.847	1.945	1.976
1,2,4-Trichlorobenzene	0.380	0.338	0.320	0.332	0.341
2,4,5-Trichlorophenol	0.237	0.298	0.296	0.369	0.380
2,4,6-Trichlorophenol	0.267	0.330	0.347	0.353	0.385
O,O,O-Triethylphosphorothioa		0.175	0.180	0.174	0.177
sym-Trinitrobenzene			0.042	0.082	0.163
2-Fluorophenol	1.308	1.225	1.353	1.370	1.549
Phenol-d6	1.830	1.743	1.801	1.798	1.819
Nitrobenzene-d5	0.416	0.375	0.432	0.485	0.528
2-Fluorobiphenyl	1.504	1.454	1.337	1.377	1.381
2,4,6-Tribromophenol	0.113	0.117	0.148	0.146	0.155
Terphenyl-d14	0.992	0.949	1.010	1.042	1.098

FORM 6
SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: EMPIRICAL LABS Contract: TETRATECH

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Instrument ID: BNA1 Calibration Date(s): 09/11/06 09/12/06

Column: FUSED SILICA ID: 0.25 (mm) Calibration Time(s): 0818 2138

LAB FILE ID: RF30: APPB030 RF40: CALB040 RF50: APPB050
RF60: APPC060 RF70: APPB070

COMPOUND	RF30	RF40	RF50	RF60	RF70
Acenaphthene	1.140	1.218	1.076	1.095	1.118
Acenaphthylene	1.758	1.686	1.673	1.510	1.608
Acetophenone	1.597	1.414	1.470	1.388	1.383
2-Acetylaminofluorene	0.391		0.468		0.463
4-Aminobiphenyl	0.848		0.816		0.847
Aniline	1.722	1.521	1.411	1.316	1.166
Aramite	0.078		0.074		0.075
Anthracene	1.134	1.155	1.077	1.054	1.140
Atrazine	0.210		0.203		0.209
Benzaldehyde	0.992		0.967		0.990
Benzo(a)anthracene	1.370	1.308	1.317	1.272	1.289
Benzo(b)fluoranthene	1.254	1.196	1.218	1.255	1.317
Benzo(k)fluoranthene	1.265	1.305	1.304	1.172	1.237
Benzo(g,h,i)perylene	0.996	0.886	0.852	0.808	0.840
Benzo(a)pyrene	1.113	1.120	1.116	1.084	1.123
Benzyl alcohol	1.021	0.958	0.953	0.909	0.902
1,1'-Biphenyl	1.209	1.183	1.186	1.089	1.058
bis(2-Chloroethoxy)methane	0.502	0.532	0.523	0.511	0.495
bis(2-Chloroethyl)ether	1.665	1.622	1.616	1.512	1.436
bis(2-Chloroisopropyl)ether	2.973	2.838	2.825	2.566	2.477
Bis(2-ethylhexyl)phthalate	1.418	1.398	1.507	1.336	1.398
4-Bromophenyl-phenylether	0.262	0.266	0.246	0.237	0.247
Butylbenzylphthalate	1.088	1.134	1.162	1.049	1.115
Caprolactam	0.092	0.107	0.096	0.093	0.092
Carbazole	0.918	0.832	0.792	0.771	0.817
4-Chloroaniline	0.437	0.440	0.418	0.426	0.389
Chlorobenzilate	0.425		0.381		0.411
4-Chloro-3-methylphenol	0.343	0.334	0.307	0.314	0.302
2-Chloronaphthalene	1.082	1.078	1.102	0.985	0.995
2-Chlorophenol	1.435	1.369	1.308	1.244	1.204
4-Chlorophenyl-phenylether	0.532	0.516	0.485	0.482	0.471
Chrysene	1.149	1.194	1.275	1.151	1.161
Diallate	0.915		0.820		0.848
Dibenz(a,h)anthracene	0.789	0.777	0.728	0.778	0.758
Dibenzofuran	1.688	1.670	1.606	1.489	1.463
3,3'-Dichlorobenzidine	0.406	0.382	0.405	0.378	0.381
2,4-Dichlorophenol	0.331	0.314	0.317	0.294	0.296

FORM 6
SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.B09057

Instrument ID: BNA1 Calibration Date(s): 09/11/06 09/12/06

Column: FUSED SILICA ID: 0.25 (mm) Calibration Time(s): 0818 2138

LAB FILE ID: RF30: APPB030 RF40: CALB040 RF50: APPB050
RF60: APPC060 RF70: APPB070

COMPOUND	RF30	RF40	RF50	RF60	RF70
2,6-Dichlorophenol	0.286		0.263		0.278
Diethylphthalate	1.413	1.444	1.322	1.273	1.276
Dimethoate	0.447		0.443	0.448	0.400
p-(Dimethylamino)azobenzene	0.274		0.262		0.264
7,12-Dimethylbenz[a]anthrace	0.551		0.513		0.521
3,3'-Dimethylbenzidine	0.705		0.690		0.665
a,a-Dimethyl-phenethylamine	1.118		1.115	1.119	1.181
2,4-Dimethylphenol	0.373	0.370	0.349	0.341	0.343
Dimethylphthalate	1.405	1.475	1.402	1.330	1.338
Di-n-butylphthalate	1.940	1.882	1.796	1.772	1.777
m-Dinitrobenzene	0.236		0.238		0.237
4,6-Dinitro-2-methylphenol	0.174	0.187	0.168	0.179	0.185
2,4-Dinitrophenol	0.177	0.194	0.196	0.201	0.216
2,4-Dinitrotoluene	0.454	0.442	0.439	0.439	0.437
2,6-Dinitrotoluene	0.350	0.339	0.336	0.349	0.336
Di-n-octylphthalate	2.318	2.304	2.412	2.216	2.325
Diphenylamine	1.010		0.940		0.884
Ethyl methanesulfonate	1.432		1.273		1.414
Fluoranthene	1.109	1.119	1.008	0.990	1.062
Fluorene	1.232	1.269	1.147	1.144	1.117
Hexachlorobenzene	0.285	0.294	0.277	0.270	0.277
Hexachlorobutadiene	0.170	0.169	0.161	0.161	0.152
Hexachlorocyclopentadiene	0.231	0.236	0.231	0.221	0.226
Hexachloroethane	0.724	0.665	0.657	0.655	0.614
Hexachlorophene	0.046		0.065	0.074	0.080
Hexachloropropene	0.148		0.152		0.147
Indeno(1,2,3-cd)pyrene	0.918	0.786	0.782	0.796	0.788
Isodrin	0.203		0.196		0.198
Isophorone	0.886	0.895	0.824	0.836	0.820
Isosafrole	1.014		0.964		0.856
Kepone	0.192		0.188		0.195
Methapyrilene	0.781		0.747		0.758
3-Methylcholanthrene	0.602		0.528		0.565
Methyl methanesulfonate	0.976		0.903		1.043
2-Methylnaphthalene	0.582	0.565	0.517	0.524	0.525
4-Methylphenol	1.268	1.054	1.083	1.119	1.099
3-Methylphenol	1.268	1.054	1.083	1.119	1.099

FORM 6
SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.B09057

Instrument ID: BNA1 Calibration Date(s): 09/11/06 09/12/06

Column: FUSED SILICA ID: 0.25 (mm) Calibration Time(s): 0818 2138

LAB FILE ID: RF30: APPB030 RF40: CALB040 RF50: APPB050
RF60: APPC060 RF70: APPB070

COMPOUND	RF30	RF40	RF50	RF60	RF70
2-Methylphenol	1.273	1.264	1.244	1.193	1.168
Naphthalene	1.027	0.993	0.938	0.857	0.831
1,4-Naphthoquinone	0.451		0.421		0.391
1-Naphthylamine	1.196		1.188		1.078
2-Naphthylamine	1.287		1.202		1.156
2-Nitroaniline	0.476	0.475	0.467	0.451	0.460
3-Nitroaniline	0.287	0.290	0.260	0.298	0.303
4-Nitroaniline	0.244	0.248	0.221	0.241	0.262
Nitrobenzene	0.471	0.474	0.440	0.424	0.405
2-Nitrophenol	0.268	0.256	0.253	0.263	0.260
4-Nitrophenol	0.256	0.260	0.256	0.260	0.250
4-Nitroquinoline-1-oxide	0.046		0.046		0.053
N-Nitrosodi-n-butylamine	0.285		0.236		0.245
N-Nitrosodiethylamine	0.703		0.646		0.701
N-Nitroso-di-methylamine	0.945	0.828	0.872	0.878	0.855
N-Nitrosodiphenylamine	0.605	0.599	0.549	0.554	0.559
N-Nitroso-di-n-propylamine	1.083	1.042	1.111	1.072	1.032
N-Nitrosomethylethylamine	0.798		0.758		0.865
N-Nitrosomorpholine	0.856		0.821		0.771
N-Nitrosopiperidine	0.219		0.208		0.205
N-Nitrosopyrrolidine	0.730		0.689		0.668
5-Nitro-o-toluidine	0.423		0.414		0.415
Pentachlorobenzene	0.528		0.462		0.434
Pentachloronitrobenzene	0.090		0.090		0.086
Pentachloroethane	0.532		0.495		0.479
Pentachlorophenol	0.185	0.186	0.181	0.190	0.191
Phenacetin	0.518		0.486		0.526
Phenanthrene	1.167	1.147	1.086	1.080	1.082
Phenol	2.070	1.849	1.672	1.638	1.491
p-Phenylenediamine	0.325		0.326	0.350	0.339
2-Picoline	1.607		1.633		1.648
Pronamide	0.382		0.365		0.396
Pyrene	1.635	1.731	1.731	1.526	1.553
Pyridine	1.936	2.004	2.105	2.038	1.913
Safrole	0.265		0.230		0.236
1,2,4,5-Tetrachlorobenzene	0.263		0.240		0.240
2,3,4,6-Tetrachlorophenol	0.257		0.261		0.253

FORM 6
SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.B09057

Instrument ID: BNA1 Calibration Date(s): 09/11/06 09/12/06

Column: FUSED SILICA ID: 0.25 (mm) Calibration Time(s): 0818 2138

LAB FILE ID: RF30: APPB030 RF40: CALB040 RF50: APPB050
RF60: APPC060 RF70: APPB070

COMPOUND	RF30	RF40	RF50	RF60	RF70
o-Toluidine	2.043		1.852		1.729
1,2,4-Trichlorobenzene	0.331	0.325	0.320	0.315	0.289
2,4,5-Trichlorophenol	0.383	0.388	0.393	0.380	0.360
2,4,6-Trichlorophenol	0.371	0.371	0.381	0.376	0.370
O,O,O-Triethylphosphorothioa	0.184		0.173	0.167	0.162
sym-Trinitrobenzene	0.209		0.250		0.272
2-Fluorophenol	1.462	1.337	1.255	1.260	1.240
Phenol-d6	1.850	1.670	1.540	1.470	1.329
Nitrobenzene-d5	0.478	0.493	0.456	0.450	0.434
2-Fluorobiphenyl	1.325	1.311	1.299	1.202	1.160
2,4,6-Tribromophenol	0.155	0.146	0.140	0.137	0.136
Terphenyl-d14	1.008	1.037	1.144	0.988	1.055

FORM 6
SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.B09057

Instrument ID: BNA1 Calibration Date(s): 09/11/06 09/12/06

Column: FUSED SILICA ID: 0.25 (mm) Calibration Time(s): 0818 2138

LAB FILE ID: RF80: APPC080 RF90: APPC090 RF100: APPB100

COMPOUND	RF80	RF90	RF100
Acenaphthene	1.033	1.052	0.973
Acenaphthylene	1.490	1.428	1.435
Acetophenone	1.317	1.350	1.293
2-Acetylaminofluorene			0.498
4-Aminobiphenyl			0.808
Aniline	1.115	1.066	1.008
Aramite			0.079
Anthracene	0.994	0.995	1.012
Atrazine			0.196
Benzaldehyde			0.899
Benzo(a)anthracene	1.268	1.276	1.293
Benzo(b)fluoranthene	1.279	1.257	1.171
Benzo(k)fluoranthene	1.226	1.259	1.220
Benzo(g,h,i)perylene	0.938	0.802	0.825
Benzo(a)pyrene	1.133	1.119	1.064
Benzyl alcohol	0.872	0.852	0.817
1,1'-Biphenyl	0.974	0.949	0.965
bis(2-Chloroethoxy)methane	0.470	0.467	0.474
bis(2-Chloroethyl)ether	1.490	1.432	1.408
bis(2-Chloroisopropyl)ether	2.405	2.275	2.198
Bis(2-ethylhexyl)phthalate	1.294	1.326	1.365
4-Bromophenyl-phenylether	0.224	0.236	0.235
Butylbenzylphthalate	1.069	1.052	1.082
Caprolactam	0.088	0.097	0.091
Carbazole			
4-Chloroaniline	0.380	0.406	0.396
Chlorobenzilate			0.399
4-Chloro-3-methylphenol	0.307	0.302	0.320
2-Chloronaphthalene	0.920	0.917	0.941
2-Chlorophenol	1.194	1.130	1.089
4-Chlorophenyl-phenylether	0.427	0.456	0.410
Chrysene	1.112	1.138	1.137
Diallate			0.782
Dibenz(a,h)anthracene	0.811	0.759	0.787
Dibenzofuran	1.393	1.427	1.339
3,3'-Dichlorobenzidine	0.411	0.406	0.384
2,4-Dichlorophenol	0.288	0.268	0.265

FORM 6
SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.B09057

Instrument ID: BNA1 Calibration Date(s): 09/11/06 09/12/06

Column: FUSED SILICA ID: 0.25 (mm) Calibration Time(s): 0818 2138

LAB FILE ID: RF80: APPC080 RF90: APPC090 RF100: APPB100

COMPOUND	RF80	RF90	RF100
2,6-Dichlorophenol			0.265
Diethylphthalate	1.183	1.244	1.148
Dimethoate	0.392	0.387	0.375
p-(Dimethylamino)azobenzene			0.261
7,12-Dimethylbenz[a]anthrace			0.506
3,3'-Dimethylbenzidine			0.586
a,a-Dimethyl-phenethylamine	1.052	1.083	1.064
2,4-Dimethylphenol	0.327	0.360	0.334
Dimethylphthalate	1.237	1.249	1.206
Di-n-butylphthalate	1.644	1.637	1.698
m-Dinitrobenzene			0.239
4,6-Dinitro-2-methylphenol	0.176	0.191	0.175
2,4-Dinitrophenol	0.212	0.228	0.217
2,4-Dinitrotoluene	0.428	0.436	0.416
2,6-Dinitrotoluene	0.344	0.328	0.328
Di-n-octylphthalate	2.340	2.218	2.188
Diphenylamine			0.862
Ethyl methanesulfonate			1.231
Fluoranthene	0.997	1.052	0.960
Fluorene	1.040	1.076	1.054
Hexachlorobenzene	0.272	0.259	0.270
Hexachlorobutadiene	0.144	0.153	0.146
Hexachlorocyclopentadiene	0.202	0.232	0.203
Hexachloroethane	0.615	0.603	0.590
Hexachlorophene	0.083	0.091	0.094
Hexachloropropene			0.144
Indeno(1,2,3-cd)pyrene	0.843	0.796	0.834
Isodrin			0.201
Isophorone	0.790	0.817	0.808
Isosafrole			0.798
Kepone			0.192
Methapyrilene			0.727
3-Methylcholanthrene			0.545
Methyl methanesulfonate			0.811
2-Methylnaphthalene	0.508	0.505	0.516
4-Methylphenol	1.000	1.010	1.020
3-Methylphenol	1.000	1.010	1.020

FORM 6
SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.B09057

Instrument ID: BNA1 Calibration Date(s): 09/11/06 09/12/06

Column: FUSED SILICA ID: 0.25 (mm) Calibration Time(s): 0818 2138

LAB FILE ID: RF80: APPC080 RF90: APPC090 RF100: APPB100

COMPOUND	RF80	RF90	RF100
2-Methylphenol	1.131	1.080	1.076
Naphthalene	0.806	0.800	0.786
1,4-Naphthoquinone			0.335
1-Naphthylamine			1.005
2-Naphthylamine			1.052
2-Nitroaniline	0.425	0.435	0.439
3-Nitroaniline	0.292	0.349	0.318
4-Nitroaniline	0.227	0.279	0.253
Nitrobenzene	0.394	0.372	0.383
2-Nitrophenol	0.244	0.255	0.238
4-Nitrophenol	0.252	0.278	0.250
4-Nitroquinoline-1-oxide			0.050
N-Nitrosodi-n-butylamine			0.234
N-Nitrosodiethylamine			0.586
N-Nitroso-di-methylamine	0.858	0.793	0.813
N-Nitrosodiphenylamine	0.515	0.516	0.514
N-Nitroso-di-n-propylamine	1.011	1.044	1.021
N-Nitrosomethylethylamine			0.771
N-Nitrosomorpholine			0.702
N-Nitrosopiperidine			0.198
N-Nitrosopyrrolidine			0.602
5-Nitro-o-toluidine			0.381
Pentachlorobenzene			0.423
Pentachloronitrobenzene			0.088
Pentachloroethane			0.437
Pentachlorophenol	0.181	0.190	0.193
Phenacetin			0.488
Phenanthrene	1.011	1.033	1.048
Phenol	1.450	1.434	
p-Phenylenediamine	0.348	0.342	0.356
2-Picoline			1.489
Pronamide			0.375
Pyrene	1.512	1.527	1.480
Pyridine	1.965	1.757	1.804
Safrole			0.224
1,2,4,5-Tetrachlorobenzene			0.220
2,3,4,6-Tetrachlorophenol			0.246

FORM 6
SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.B09057

Instrument ID: BNA1 Calibration Date(s): 09/11/06 09/12/06

Column: FUSED SILICA ID: 0.25 (mm) Calibration Time(s): 0818 2138

LAB FILE ID: RF80: APPC080 RF90: APPC090 RF100: APPB100

COMPOUND	RF80	RF90	RF100
o-Toluidine			1.505
1,2,4-Trichlorobenzene	0.290	0.294	0.283
2,4,5-Trichlorophenol	0.351	0.353	0.353
2,4,6-Trichlorophenol	0.338	0.359	0.340
O,O,O-Triethylphosphorothioa	0.157	0.157	0.152
sym-Trinitrobenzene			
2-Fluorophenol	1.209	1.149	1.164
Phenol-d6	1.321	1.245	
Nitrobenzene-d5	0.423	0.442	0.432
2-Fluorobiphenyl	1.052	1.070	1.092
2,4,6-Tribromophenol	0.133	0.133	0.129
Terphenyl-d14	0.975	0.984	0.942

FORM 6
SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.B09057

Instrument ID: BNA1 Calibration Date(s): 09/11/06 09/12/06

Column: FUSED SILICA ID: 0.25 (mm) Calibration Time(s): 0818 2138

COMPOUND	CURVE	COEFFICENTS A0	A1	A2	%RSD OR R^2
Acenaphthene	AVRG		1.12786283		7.3
Acenaphthylene	AVRG		1.66299492		9.5
Acetophenone	AVRG		1.45259548		7.8
2-Acetylaminofluorene	2ORDR	0.00000000	2.50416525	-0.4098548	0.997
4-Aminobiphenyl	AVRG		0.77864114		13.6
Aniline	2ORDR	0.00000000	0.21249233	0.30255164	0.997
Aramite	AVRG		7.445e-002		11.6
Anthracene	AVRG		1.10266430		7.5
Atrazine	AVRG		0.19828027		5.1
Benzaldehyde	AVRG		0.91166062		9.8
Benzo(a)anthracene	AVRG		1.29004940		3.6
Benzo(b)fluoranthene	AVRG		1.18664850		9.8
Benzo(k)fluoranthene	AVRG		1.26454520		4.4
Benzo(g,h,i)perylene	AVRG		0.84437438		10.8
Benzo(a)pyrene	AVRG		1.05445302		12.4
Benzyl alcohol	AVRG		0.88273079		11.3
1,1'-Biphenyl	AVRG		1.16991761		14.2
bis(2-Chloroethoxy)methane	AVRG		0.52002689		7.1
bis(2-Chloroethyl)ether	AVRG		1.62542390		10.3
bis(2-Chloroisopropyl)ether	AVRG		2.81613074		14.2
Bis(2-ethylhexyl)phthalate	AVRG		1.29195360		14.5
4-Bromophenyl-phenylether	AVRG		0.24684385		6.9
Butylbenzylphthalate	AVRG		1.03649537		11.2
Caprolactam	AVRG		9.647e-002		14.8
Carbazole	AVRG		0.93410664		14.4
4-Chloroaniline	AVRG		0.40811900		9.6
Chlorobenzilate	AVRG		0.38735717		12.6
4-Chloro-3-methylphenol	AVRG		0.29673613		13.1
2-Chloronaphthalene	AVRG		1.08076668		11.1
2-Chlorophenol	AVRG		1.35233630		13.4
4-Chlorophenyl-phenylether	AVRG		0.49193582		10.0
Chrysene	AVRG		1.16388757		5.4
Diallate	AVRG		0.86317227		7.2
Dibenz(a,h)anthracene	AVRG		0.72377142		12.7
Dibenzofuran	AVRG		1.55290111		7.7
3,3'-Dichlorobenzidine	AVRG		0.37229614		13.0
2,4-Dichlorophenol	AVRG		0.29536311		9.5

FORM 6
SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.B09057

Instrument ID: BNA1 Calibration Date(s): 09/11/06 09/12/06

Column: FUSED SILICA ID: 0.25 (mm) Calibration Time(s): 0818 2138

COMPOUND	CURVE	COEFFICENTS A0	A1	A2	%RSD OR R^2
2,6-Dichlorophenol	AVRG		0.26619463		7.1
Diethylphthalate	AVRG		1.34423730		8.3
Dimethoate	AVRG		0.41009292		10.0
p-(Dimethylamino)azobenzene	AVRG		0.25649176		12.8
7,12-Dimethylbenz[a]anthrace	LINR	0.00000000	0.51289270		0.999
3,3'-Dimethylbenzidine	2ORDR	0.00000000	1.23445692	0.29370336	0.997
a,a-Dimethyl-phenethylamine	LINR	0.00000000	1.09375917		0.996
2,4-Dimethylphenol	AVRG		0.36886563		8.0
Dimethylphthalate	AVRG		1.36649493		6.7
Di-n-butylphthalate	AVRG		1.78298931		8.3
m-Dinitrobenzene	LINR	0.00000000	0.23701156		0.995
4,6-Dinitro-2-methylphenol	AVRG		0.17242396		10.0
2,4-Dinitrophenol	LINR	0.16793432	0.23542035		0.996
2,4-Dinitrotoluene	AVRG		0.42457346		6.9
2,6-Dinitrotoluene	AVRG		0.31867608		13.1
Di-n-octylphthalate	AVRG		2.21061645		8.8
Diphenylamine	AVRG		0.92307953		5.6
Ethyl methanesulfonate	AVRG		1.34405164		7.9
Fluoranthene	AVRG		1.06508534		7.6
Fluorene	AVRG		1.18779983		8.4
Hexachlorobenzene	AVRG		0.29258777		9.2
Hexachlorobutadiene	AVRG		0.16103770		6.9
Hexachlorocyclopentadiene	AVRG		0.21309111		10.2
Hexachloroethane	AVRG		0.66249536		7.5
Hexachlorophene	2ORDR	1.96928051	11.0577718	-1.8507904	0.999
Hexachloropropene	AVRG		0.14021398		11.0
Indeno(1,2,3-cd)pyrene	AVRG		0.77043777		10.8
Isodrin	AVRG		0.20631377		4.4
Isophorone	AVRG		0.84798895		4.8
Isosafrole	AVRG		0.94369306		8.4
Kepone	LINR	0.00000000	0.19217706		0.999
Methapyrilene	LINR	0.00000000	0.74258273		0.998
3-Methylcholanthrene	AVRG		0.52665015		11.0
Methyl methanesulfonate	AVRG		0.94475920		8.0
2-Methylnaphthalene	AVRG		0.55389608		8.1
4-Methylphenol	AVRG		1.12331114		8.6
3-Methylphenol	AVRG		1.12331114		8.6

FORM 6
SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.B09057

Instrument ID: BNA1 Calibration Date(s): 09/11/06 09/12/06

Column: FUSED SILICA ID: 0.25 (mm) Calibration Time(s): 0818 2138

COMPOUND	CURVE	COEFFICENTS A0	A1	A2	%RSD OR R^2
2-Methylphenol	AVRG		1.18691642		7.2
Naphthalene	AVRG		0.94756312		12.1
1,4-Naphthoquinone	AVRG		0.42498240		12.1
1-Naphthylamine	AVRG		1.04310210		10.8
2-Naphthylamine	AVRG		1.12422959		12.1
2-Nitroaniline	AVRG		0.43118204		12.5
3-Nitroaniline	AVRG		0.29266750		12.3
4-Nitroaniline	AVRG		0.23009820		14.5
Nitrobenzene	AVRG		0.42979585		9.9
2-Nitrophenol	AVRG		0.24359833		10.5
4-Nitrophenol	AVRG		0.24010041		13.9
4-Nitroquinoline-1-oxide	2ORDR	0.17636842	17.1636050	7.52292652	0.992
N-Nitrosodi-n-butylamine	AVRG		0.24733716		8.6
N-Nitrosodiethylamine	AVRG		0.65778267		8.8
N-Nitroso-di-methylamine	AVRG		0.83742014		8.3
N-Nitrosodiphenylamine	AVRG		0.56550827		7.5
N-Nitroso-di-n-propylamine	AVRG		1.07753889		6.0
N-Nitrosomethylethylamine	AVRG		0.79866338		4.8
N-Nitrosomorpholine	AVRG		0.85354245		10.6
N-Nitrosopiperidine	AVRG		0.20595211		5.8
N-Nitrosopyrrolidine	AVRG		0.70294934		8.9
5-Nitro-o-toluidine	2ORDR	0.00000000	2.28430051	0.30818451	0.997
Pentachlorobenzene	AVRG		0.47518673		7.5
Pentachloronitrobenzene	LINR	0.00000000	8.786e-002		0.999
Pentachloroethane	AVRG		0.48546152		8.8
Pentachlorophenol	AVRG		0.17678871		11.5
Phenacetin	LINR	0.00000000	0.49857817		0.996
Phenanthrene	AVRG		1.11902998		6.4
Phenol	AVRG		1.81957226		14.6
p-Phenylenediamine	2ORDR	0.00000000	3.24432400	-0.1964508	0.998
2-Picoline	AVRG		1.64217739		7.7
Pronamide	LINR	0.00000000	0.37898786		0.997
Pyrene	AVRG		1.57784212		6.0
Pyridine	AVRG		1.85728440		10.1
Safrole	AVRG		0.24382528		5.7
1,2,4,5-Tetrachlorobenzene	AVRG		0.25901931		8.8
2,3,4,6-Tetrachlorophenol	LINR	0.00000000	0.25008022		0.998

FORM 6
SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.B09057

Instrument ID: BNA1 Calibration Date(s): 09/11/06 09/12/06

Column: FUSED SILICA ID: 0.25 (mm) Calibration Time(s): 0818 2138

COMPOUND	CURVE	COEFFICENTS A0	A1	A2	%RSD OR R^2
o-Toluidine	AVRG		1.80815979		10.7
1,2,4-Trichlorobenzene	AVRG		0.31990846		8.3
2,4,5-Trichlorophenol	AVRG		0.34932363		13.0
2,4,6-Trichlorophenol	AVRG		0.35298792		8.8
O,O,O-Triethylphosphorothioa	AVRG		0.16890512		6.3
sym-Trinitrobenzene	2ORDR	0.14425382	4.10326421	-1.5803412	0.998
2-Fluorophenol	AVRG		1.29853296		8.9
Phenol-d6	AVRG		1.61801033		14.0
Nitrobenzene-d5	AVRG		0.44953050		8.7
2-Fluorobiphenyl	AVRG		1.27422108		11.5
2,4,6-Tribromophenol	AVRG		0.13766816		9.4
Terphenyl-d14	AVRG		1.01699518		5.6

FORM 7
SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.B09057

Instrument ID: BNA1 Calibration Date: 09/25/06 Time: 1305

Lab File ID: CCV050S Init. Calib. Date(s): 08/27/06 09/12/06

Init. Calib. Times: 1751 2138

COMPOUND	$\overline{RRF}$	RRF50	CURVE AMOUNT	CCAL AMOUNT	MIN RRF	CURVE	%D	MAX %D
Acenaphthene	1.128	1.102	50.00	48.86		AVRG	-2.3	20.0
Acenaphthylene	1.663	1.589	50.00	47.78		AVRG	-4.4	20.0
Anthracene	1.103	1.176	50.00	53.34		AVRG	6.7	20.0
Benzo(a)anthracene	1.290	1.269	50.00	49.20		AVRG	-1.6	20.0
Benzo(b)fluoranthene	1.187	1.131	50.00	47.64		AVRG	-4.7	20.0
Benzo(k)fluoranthene	1.264	1.177	50.00	46.53		AVRG	-6.9	20.0
Benzo(g,h,i)perylene	0.844	0.934	50.00	55.33		AVRG	10.6	20.0
Benzo(a)pyrene	1.054	1.038	50.00	49.21		AVRG	-1.6	20.0
Chrysene	1.164	1.160	50.00	49.84		AVRG	-0.3	20.0
Dibenz(a,h)anthracene	0.724	0.831	50.00	57.40		AVRG	14.8	20.0
Fluoranthene	1.065	1.121	50.00	52.62		AVRG	5.2	20.0
Fluorene	1.188	1.187	50.00	49.99		AVRG	-0.0	20.0
Indeno(1,2,3-cd)pyrene	0.770	0.838	50.00	54.42		AVRG	8.8	20.0
2-Methylnaphthalene	0.554	0.540	50.00	48.79		AVRG	-2.4	20.0
1-Methylnaphthalene	0.551	0.523	50.00	47.40		AVRG	-5.2	20.0
Naphthalene	0.947	0.877	50.00	46.27		AVRG	-7.4	20.0
Phenanthrene	1.119	1.116	50.00	49.85		AVRG	-0.3	20.0
Pyrene	1.578	1.476	50.00	46.77		AVRG	-6.5	20.0
Nitrobenzene-d5	0.450	0.453	50.00	50.37		AVRG	0.7	
2-Fluorobiphenyl	1.274	1.230	50.00	48.24		AVRG	-3.5	
Terphenyl-d14	1.017	1.024	50.00	50.36		AVRG	0.7	

FORM 7
SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.B09057

Instrument ID: BNA1 Calibration Date: 09/26/06 Time: 0059

Lab File ID: CCV050E Init. Calib. Date(s): 08/27/06 09/12/06

Init. Calib. Times: 1751 2138

COMPOUND	$\overline{RRF}$	RRF50	CURVE AMOUNT	CCAL AMOUNT	MIN RRF	CURVE	%D	MAX %D
Acenaphthene	1.128	1.148	50.00	50.91		AVRG	1.8	20.0
Acenaphthylene	1.663	1.698	50.00	51.06		AVRG	2.1	20.0
Anthracene	1.103	1.074	50.00	48.68		AVRG	-2.6	20.0
Benzo(a)anthracene	1.290	1.301	50.00	50.43		AVRG	0.8	20.0
Benzo(b)fluoranthene	1.187	1.299	50.00	54.75		AVRG	9.5	20.0
Benzo(k)fluoranthene	1.264	1.209	50.00	47.79		AVRG	-4.4	20.0
Benzo(g,h,i)perylene	0.844	0.739	50.00	43.76		AVRG	-12.5	20.0
Benzo(a)pyrene	1.054	1.036	50.00	49.13		AVRG	-1.7	20.0
Chrysene	1.164	1.217	50.00	52.27		AVRG	4.5	20.0
Dibenz(a,h)anthracene	0.724	0.669	50.00	46.23		AVRG	-7.5	20.0
Fluoranthene	1.065	1.107	50.00	51.97		AVRG	3.9	20.0
Fluorene	1.188	1.224	50.00	51.52		AVRG	3.0	20.0
Indeno(1,2,3-cd)pyrene	0.770	0.710	50.00	46.12		AVRG	-7.8	20.0
2-Methylnaphthalene	0.554	0.542	50.00	48.93		AVRG	-2.1	20.0
1-Methylnaphthalene	0.551	0.530	50.00	48.05		AVRG	-3.9	20.0
Naphthalene	0.947	0.910	50.00	48.02		AVRG	-4.0	20.0
Phenanthrene	1.119	1.102	50.00	49.26		AVRG	-1.5	20.0
Pyrene	1.578	1.511	50.00	47.88		AVRG	-4.2	20.0
Nitrobenzene-d5	0.450	0.454	50.00	50.45		AVRG	0.9	
2-Fluorobiphenyl	1.274	1.298	50.00	50.94		AVRG	1.9	
Terphenyl-d14	1.017	1.030	50.00	50.62		AVRG	1.2	

FORM 7
SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.B09057

Instrument ID: BNA1 Calibration Date: 10/06/06 Time: 0909

Lab File ID: CCV050S Init. Calib. Date(s): 08/27/06 09/12/06

Init. Calib. Times: 1751 2138

COMPOUND	$\overline{RRF}$	RRF50	CURVE AMOUNT	CCAL AMOUNT	MIN RRF	CURVE	%D	MAX %D
Acenaphthene	1.128	1.162	50.00	51.51		AVRG	3.0	20.0
Acenaphthylene	1.663	1.719	50.00	51.68		AVRG	3.4	
Acetophenone	1.452	1.515	50.00	52.16		AVRG	4.3	
Aniline	1.574	1.612	50.00	66.30		2ORDR	32.6	
Anthracene	1.103	1.104	50.00	50.05		AVRG	0.1	
Atrazine	0.198	0.192	50.00	48.44		AVRG	-3.1	
Benzaldehyde	0.912	0.507	50.00	27.82		AVRG	-44.4	
Benzidine	0.720	0.054	50.00	3.788		AVRG	-92.4	
Benzoic acid	0.238	0.297	50.00	52.30		2ORDR	4.6	
Benzo(a)anthracene	1.290	1.266	50.00	49.06		AVRG	-1.9	
Benzo(b)fluoranthene	1.187	1.180	50.00	49.72		AVRG	-0.6	
Benzo(k)fluoranthene	1.264	1.161	50.00	45.91		AVRG	-8.2	
Benzo(g,h,i)perylene	0.844	0.833	50.00	49.32		AVRG	-1.3	
Benzo(a)pyrene	1.054	1.104	50.00	52.35		AVRG	4.7	20.0
Benzyl alcohol	0.883	0.877	50.00	49.69		AVRG	-0.6	
1,1'-Biphenyl	1.170	1.161	50.00	49.62		AVRG	-0.8	
bis(2-Chloroethoxy)methane	0.520	0.513	50.00	49.30		AVRG	-1.4	
bis(2-Chloroethyl)ether	1.625	1.606	50.00	49.40		AVRG	-1.2	
bis(2-Chloroisopropyl)ether	2.816	2.697	50.00	47.89		AVRG	-4.2	
Bis(2-ethylhexyl)phthalate	1.292	1.384	50.00	53.57		AVRG	7.1	
4-Bromophenyl-phenylether	0.247	0.244	50.00	49.50		AVRG	-1.0	
Butylbenzylphthalate	1.036	1.056	50.00	50.96		AVRG	1.9	
4-Chloroaniline	0.408	0.451	50.00	55.31		AVRG	10.6	
Carbazole	0.934	0.690	50.00	36.95		AVRG	-26.1	
Caprolactam	0.096	0.113	50.00	58.53		AVRG	17.1	
4-Chloro-3-methylphenol	0.297	0.314	50.00	52.93		AVRG	5.8	20.0
2-Chloronaphthalene	1.081	1.087	50.00	50.29		AVRG	0.6	
2-Chlorophenol	1.352	1.246	50.00	46.05		AVRG	-7.9	
4-Chlorophenyl-phenylether	0.492	0.502	50.00	51.07		AVRG	2.1	
Chrysene	1.164	1.159	50.00	49.81		AVRG	-0.4	
Dibenz(a,h)anthracene	0.724	0.808	50.00	55.83		AVRG	11.7	
Dibenzofuran	1.553	1.639	50.00	52.79		AVRG	5.6	
1,2-Dichlorobenzene	1.316	1.242	50.00	47.18		AVRG	-5.6	
1,4-Dichlorobenzene	1.391	1.363	50.00	49.01		AVRG	-2.0	20.0
1,3-Dichlorobenzene	1.488	1.391	50.00	46.76		AVRG	-6.5	
3,3'-Dichlorobenzidine	0.372	0.298	50.00	39.99		AVRG	-20.0	
2,4-Dichlorophenol	0.295	0.299	50.00	50.66		AVRG	1.3	20.0

FORM 7
SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.B09057

Instrument ID: BNA1 Calibration Date: 10/06/06 Time: 0909

Lab File ID: CCV050S Init. Calib. Date(s): 08/27/06 09/12/06

Init. Calib. Times: 1751 2138

COMPOUND	RRF	RRF50	CURVE AMOUNT	CCAL AMOUNT	MIN RRF	CURVE	%D	MAX %D
Diethylphthalate	1.344	1.383	50.00	51.45		AVRG	2.9	
2,4-Dimethylphenol	0.369	0.380	50.00	51.55		AVRG	3.1	
Dimethylphthalate	1.366	1.368	50.00	50.07		AVRG	0.1	
Di-n-butylphthalate	1.783	1.850	50.00	51.88		AVRG	3.8	
4,6-Dinitro-2-methylphenol	0.172	0.176	50.00	50.97		AVRG	1.9	
2,4-Dinitrophenol	0.176	0.190	50.00	47.11	0.050	LINR	-5.8	
2,4-Dinitrotoluene	0.424	0.460	50.00	54.15		AVRG	8.3	
2,6-Dinitrotoluene	0.318	0.344	50.00	53.94		AVRG	7.9	
Di-n-octylphthalate	2.210	2.188	50.00	49.49		AVRG	-1.0	20.0
1,2-Diphenylhydrazine	1.272	1.274	50.00	50.10		AVRG	0.2	
Fluoranthene	1.065	1.110	50.00	52.09		AVRG	4.2	20.0
Fluorene	1.188	1.251	50.00	52.66		AVRG	5.3	
Hexachlorobenzene	0.293	0.277	50.00	47.40		AVRG	-5.2	
Hexachlorobutadiene	0.161	0.158	50.00	48.93		AVRG	-2.1	20.0
Hexachlorocyclopentadiene	0.213	0.257	50.00	60.39	0.050	AVRG	20.8	
Hexachloroethane	0.662	0.666	50.00	50.24		AVRG	0.5	
Indeno(1,2,3-cd)pyrene	0.770	0.851	50.00	55.22		AVRG	10.4	
Isophorone	0.848	0.815	50.00	48.08		AVRG	-3.8	
1-Methylnaphthalene	0.551	0.524	50.00	47.56		AVRG	-4.9	
2-Methylnaphthalene	0.554	0.519	50.00	46.86		AVRG	-6.3	
Naphthalene	0.947	0.886	50.00	46.76		AVRG	-6.5	
4-Methylphenol	1.123	1.226	50.00	54.56		AVRG	9.1	
3-Methylphenol	1.123	1.226	50.00	54.56		AVRG	9.1	
2-Methylphenol	1.187	1.254	50.00	52.83		AVRG	5.7	
2-Nitroaniline	0.431	0.493	50.00	57.17		AVRG	14.3	
3-Nitroaniline	0.292	0.240	50.00	40.95		AVRG	-18.1	
4-Nitroaniline	0.230	0.301	50.00	65.40		AVRG	30.8	
Nitrobenzene	0.430	0.436	50.00	50.71		AVRG	1.4	
2-Nitrophenol	0.243	0.247	50.00	50.66		AVRG	1.3	20.0
4-Nitrophenol	0.240	0.282	50.00	58.73	0.050	AVRG	17.5	
N-Nitroso-di-methylamine	0.837	0.868	50.00	51.85		AVRG	3.7	
N-Nitrosodiphenylamine(1)	0.565	0.556	50.00	49.20		AVRG	-1.6	20.0
N-Nitroso-di-n-propylamine	1.077	1.104	50.00	51.21	0.050	AVRG	2.4	
Pentachlorophenol	0.177	0.188	50.00	53.11		AVRG	6.2	20.0
Phenanthrene	1.119	1.089	50.00	48.66		AVRG	-2.7	
Phenol	1.820	1.645	50.00	45.20		AVRG	-9.6	20.0

(1) Cannot be separated from Diphenylamine

FORM 7
SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.B09057

Instrument ID: BNA1 Calibration Date: 10/06/06 Time: 0909

Lab File ID: CCV050S Init. Calib. Date(s): 08/27/06 09/12/06

Init. Calib. Times: 1751 2138

COMPOUND	$\overline{RRF}$	RRF50	CURVE AMOUNT	CCAL AMOUNT	MIN RRF	CURVE	%D	MAX %D
Pyrene	1.578	1.524	50.00	48.30		AVRG	-3.4	
Pyridine	1.857	1.880	50.00	50.62		AVRG	1.2	
1,2,4-Trichlorobenzene	0.320	0.303	50.00	47.39		AVRG	-5.2	
2,4,5-Trichlorophenol	0.349	0.403	50.00	57.66		AVRG	15.3	
2,4,6-Trichlorophenol	0.353	0.375	50.00	53.11		AVRG	6.2	20.0
2-Fluorophenol	1.298	1.224	100.0	94.22		AVRG	-5.8	
Phenol-d6	1.618	1.465	100.0	90.53		AVRG	-9.5	
Nitrobenzene-d5	0.450	0.452	50.00	50.24		AVRG	0.5	
2-Fluorobiphenyl	1.274	1.241	50.00	48.71		AVRG	-2.6	
2,4,6-Tribromophenol	0.138	0.141	100.0	102.8		AVRG	2.8	
Terphenyl-d14	1.017	0.914	50.00	44.95		AVRG	-10.1	

FORM 7
SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.B09057

Instrument ID: BNA1 Calibration Date: 10/06/06 Time: 0944

Lab File ID: APPACCVS Init. Calib. Date(s): 08/27/06 09/12/06

Init. Calib. Times: 1751 2138

COMPOUND	$\overline{RRF}$	RRF50	CURVE AMOUNT	CCAL AMOUNT	MIN RRF	CURVE	%D	MAX %D
2-Acetylaminofluorene	0.328	0.497	50.00	55.92		2ORDR	11.8	20.0
4-Aminobiphenyl	0.779	0.855	50.00	54.92		AVRG	9.8	20.0
m-Dinitrobenzene	0.176	0.238	50.00	50.30		LINR	0.6	20.0
Hexachloropropene	0.140	0.150	50.00	53.51		AVRG	7.0	20.0
Isodrin	0.206	0.188	50.00	45.62		AVRG	-8.7	20.0
Kepone	0.171	0.166	50.00	43.34		LINR	-13.3	20.0
5-Nitro-o-toluidine	0.319	0.428	50.00	52.48		2ORDR	5.0	20.0
Pentachlorobenzene	0.475	0.470	50.00	49.40		AVRG	-1.2	20.0
Pentachloronitrobenzene	0.082	0.085	50.00	48.30		LINR	-3.4	20.0
Pentachloroethane	0.486	0.489	50.00	50.38	0.050	AVRG	0.8	20.0
1,2,4,5-Tetrachlorobenzene	0.259	0.249	50.00	48.02		AVRG	-4.0	20.0
o-Toluidine	1.808	1.727	50.00	47.75		AVRG	-4.5	20.0
sym-Trinitrobenzene	0.170	0.236	50.00	48.72		2ORDR	-2.6	20.0

FORM 7
SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.B09057

Instrument ID: BNA1 Calibration Date: 10/06/06 Time: 1019

Lab File ID: APPBCCVS Init. Calib. Date(s): 08/27/06 09/12/06

Init. Calib. Times: 1751 2138

COMPOUND	$\overline{RRF}$	RRF50	CURVE AMOUNT	CCAL AMOUNT	MIN RRF	CURVE	%D	MAX %D
Aramite	0.074	0.068	50.00	45.78		AVRG	-8.4	
Chlorobenzilate	0.387	0.353	50.00	45.62		AVRG	-8.8	
Diallate	0.863	0.865	50.00	50.10		AVRG	0.2	
2,6-Dichlorophenol	0.266	0.267	50.00	50.20		AVRG	0.4	
p-(Dimethylamino)azobenzene	0.256	0.245	50.00	47.84		AVRG	-4.3	
7,12-Dimethylbenz[a]anthrace	0.478	0.510	50.00	49.72		LINR	-0.6	
3,3'-Dimethylbenzidine	0.590	0.592	50.00	42.95		2ORDR	-14.1	
Dinoseb	0.117	0.152	50.00	50.26		2ORDR	0.5	
Diphenylamine	0.923	0.916	50.00	49.64		AVRG	-0.7	
Ethyl methanesulfonate	1.344	1.413	50.00	52.55		AVRG	5.1	
Isosafrole	0.944	0.911	50.00	48.28		AVRG	-3.4	
Methapyrilene	0.659	0.658	50.00	44.34		LINR	-11.3	
3-Methylcholanthrene	0.526	0.533	50.00	50.63		AVRG	1.3	
Methyl methanesulfonate	0.945	0.945	50.00	50.03		AVRG	0.1	
1,4-Naphthoquinone	0.425	0.374	50.00	43.99		AVRG	-12.0	
1-Naphthylamine	1.043	1.014	50.00	48.59		AVRG	-2.8	
2-Naphthylamine	1.124	1.130	50.00	50.24		AVRG	0.5	
4-Nitroquinoline-1-oxide	0.036	0.069	50.00	68.74		2ORDR	37.5	
N-Nitrosodi-n-butylamine	0.247	0.246	50.00	49.71		AVRG	-0.6	
N-Nitrosodiethylamine	0.658	0.703	50.00	53.44		AVRG	6.9	
N-Nitrosomethylethylamine	0.798	0.775	50.00	48.51		AVRG	-3.0	
N-Nitrosomorpholine	0.853	0.794	50.00	46.52		AVRG	-7.0	
N-Nitrosopiperidine	0.206	0.186	50.00	45.22		AVRG	-9.6	
N-Nitrosopyrrolidine	0.703	0.662	50.00	47.11		AVRG	-5.8	
Phenacetin	0.444	0.519	50.00	52.07		LINR	4.1	
2-Picoline	1.642	1.636	50.00	49.80		AVRG	-0.4	
Pronamide	0.327	0.390	50.00	51.48		LINR	3.0	
Safrole	0.244	0.232	50.00	47.53		AVRG	-4.9	
2,3,4,6-Tetrachlorophenol	0.227	0.251	50.00	50.11		LINR	0.2	

FORM 7
SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.B09057

Instrument ID: BNA1 Calibration Date: 10/06/06 Time: 1054

Lab File ID: APPCCCVS Init. Calib. Date(s): 08/27/06 09/12/06

Init. Calib. Times: 1751 2138

COMPOUND	$\overline{RRF}$	RRF50	CURVE AMOUNT	CCAL AMOUNT	MIN RRF	CURVE	%D	MAX %D
Dimethoate	0.410	0.447	50.00	54.47		AVRG	8.9	20.0
a,a-Dimethyl-phenethylamine	1.028	1.110	125.0	126.9		LINR	1.5	20.0
Disulfoton	0.567	0.607	50.00	53.45		AVRG	6.9	20.0
Famphur	0.342	0.362	50.00	47.53		2ORDR	-4.9	20.0
Hexachlorophene	0.069	0.074	250.0	267.9		2ORDR	7.2	20.0
Methyl parathion	0.359	0.438	50.00	48.44		2ORDR	-3.1	20.0
Parathion	0.239	0.267	50.00	46.39		LINR	-7.2	20.0
p-Phenylenediamine	0.279	0.344	125.0	130.3		2ORDR	4.2	20.0
Phorate	0.808	0.805	50.00	49.81		AVRG	-0.4	20.0
Sulfotepp	0.221	0.217	50.00	49.09		AVRG	-1.8	20.0
Thionazin	0.224	0.248	50.00	55.34		AVRG	10.7	20.0
O,O,O-Triethylphosphorothioa	0.169	0.174	50.00	51.37		AVRG	2.7	20.0

FORM 1
PCB ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-DP27-S4

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.P09057

Matrix: (soil/water) SOIL Lab Sample ID: 0609057-05

Sample wt/vol: 15.8 (g/mL) G Lab File ID: 022F2201

% Moisture: 6 decanted: (Y/N) N Date Sampled: 09/08/06 11:35

Extraction: (SepF/Cont/Sonc/Soxh) SOXH Date Extracted:09/19/06

Concentrated Extract Volume: 5.0(mL) Date Analyzed: 09/25/06 20:56

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: NA Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	MDL	RL	CONC	Q
12674-11-2	PCB-1016	4.2	17		U
11104-28-2	PCB-1221	4.2	17		U
11141-16-5	PCB-1232	4.2	17		U
53469-21-9	PCB-1242	4.2	17		U
12672-29-6	PCB-1248	4.2	17		U
11097-69-1	PCB-1254	4.2	17		U
11096-82-5	PCB-1260	4.2	17		U

FORM 1
PCB ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-DUP01S

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.P09057

Matrix: (soil/water) SOIL Lab Sample ID: 0609057-07

Sample wt/vol: 15.1 (g/mL) G Lab File ID: 023F2301

% Moisture: 6 decanted: (Y/N) N Date Sampled: 09/08/06 11:35

Extraction: (SepF/Cont/Sonc/Soxh) SOXH Date Extracted:09/19/06

Concentrated Extract Volume: 5.0(mL) Date Analyzed: 09/25/06 21:25

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: NA Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	MDL	RL	CONC	Q
12674-11-2	PCB-1016	4.4	18		U
11104-28-2	PCB-1221	4.4	18		U
11141-16-5	PCB-1232	4.4	18		U
53469-21-9	PCB-1242	4.4	18		U
12672-29-6	PCB-1248	4.4	18		U
11097-69-1	PCB-1254	4.4	18		U
11096-82-5	PCB-1260	4.4	18		U

FORM 1
PCB ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-DP29-S4

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.P09057

Matrix: (soil/water) SOIL Lab Sample ID: 0609057-08

Sample wt/vol: 15.1 (g/mL) G Lab File ID: 024F2401

% Moisture: 6 decanted: (Y/N) N Date Sampled: 09/08/06 15:03

Extraction: (SepF/Cont/Sonc/Soxh) SOXH Date Extracted:09/19/06

Concentrated Extract Volume: 5.0(mL) Date Analyzed: 09/25/06 21:53

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: NA Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	MDL	RL	CONC	Q
12674-11-2	PCB-1016	4.4	18		U
11104-28-2	PCB-1221	4.4	18		U
11141-16-5	PCB-1232	4.4	18		U
53469-21-9	PCB-1242	4.4	18		U
12672-29-6	PCB-1248	4.4	18		U
11097-69-1	PCB-1254	4.4	18		U
11096-82-5	PCB-1260	4.4	18		U

FORM 1
PCB ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-DUP02S

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.P09057

Matrix: (soil/water) SOIL Lab Sample ID: 0609057-09

Sample wt/vol: 15.1 (g/mL) G Lab File ID: 025F2501

% Moisture: 6 decanted: (Y/N) N Date Sampled: 09/08/06 15:03

Extraction: (SepF/Cont/Sonc/Soxh) SOXH Date Extracted:09/19/06

Concentrated Extract Volume: 5.0(mL) Date Analyzed: 09/25/06 22:22

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: NA Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	MDL	RL	CONC	Q
12674-11-2	PCB-1016	4.4	18		U
11104-28-2	PCB-1221	4.4	18		U
11141-16-5	PCB-1232	4.4	18		U
53469-21-9	PCB-1242	4.4	18		U
12672-29-6	PCB-1248	4.4	18		U
11097-69-1	PCB-1254	4.4	18		U
11096-82-5	PCB-1260	4.4	18		U

FORM 1
PCB ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-DP30-S8

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.P09057

Matrix: (soil/water) SOIL Lab Sample ID: 0609057-10

Sample wt/vol: 15.2 (g/mL) G Lab File ID: 026F2601

% Moisture: 5 decanted: (Y/N) N Date Sampled: 09/08/06 16:20

Extraction: (SepF/Cont/Sonc/Soxh) SOXH Date Extracted:09/19/06

Concentrated Extract Volume: 5.0(mL) Date Analyzed: 09/25/06 22:50

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: NA Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	MDL	RL	CONC	Q
12674-11-2	PCB-1016	4.3	17		U
11104-28-2	PCB-1221	4.3	17		U
11141-16-5	PCB-1232	4.3	17		U
53469-21-9	PCB-1242	4.3	17		U
12672-29-6	PCB-1248	4.3	17		U
11097-69-1	PCB-1254	4.3	17		U
11096-82-5	PCB-1260	4.3	17		U

FORM 1
PCB ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-DP14-S20

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.P09057

Matrix: (soil/water) SOIL Lab Sample ID: 0609057-12

Sample wt/vol: 15.5 (g/mL) G Lab File ID: 027F2701

% Moisture: 7 decanted: (Y/N) N Date Sampled: 09/08/06 10:15

Extraction: (SepF/Cont/Sonc/Soxh) SOXH Date Extracted:09/19/06

Concentrated Extract Volume: 5.0(mL) Date Analyzed: 09/25/06 23:19

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: NA Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	MDL	RL	CONC	Q
12674-11-2	PCB-1016	4.3	17		U
11104-28-2	PCB-1221	4.3	17		U
11141-16-5	PCB-1232	4.3	17		U
53469-21-9	PCB-1242	4.3	17		U
12672-29-6	PCB-1248	4.3	17		U
11097-69-1	PCB-1254	4.3	17		U
11096-82-5	PCB-1260	4.3	17		U

FORM 1
PCB ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-DPW1-S45

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.P09057

Matrix: (soil/water) SOIL Lab Sample ID: 0609057-14

Sample wt/vol: 15.3 (g/mL) G Lab File ID: 031F3101

% Moisture: 9 decanted: (Y/N) N Date Sampled: 09/08/06 14:30

Extraction: (SepF/Cont/Sonc/Soxh) SOXH Date Extracted:09/19/06

Concentrated Extract Volume: 5.0(mL) Date Analyzed: 09/26/06 01:13

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: NA Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	MDL	RL	CONC	Q
12674-11-2	PCB-1016	4.5	18		U
11104-28-2	PCB-1221	4.5	18		U
11141-16-5	PCB-1232	4.5	18		U
53469-21-9	PCB-1242	4.5	18		U
12672-29-6	PCB-1248	4.5	18		U
11097-69-1	PCB-1254	4.5	18		U
11096-82-5	PCB-1260	4.5	18		U

FORM 2
SOIL PCB SURROGATE RECOVERY

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.P09057

Column(1): DB-35MS ID: 0.32 (mm) Column(2): DB-XLB ID: 0.32 (mm)

	CLIENT SAMPLE NO.	S1 1 %REC #	S1 2 %REC #	S2 1 %REC #	S2 2 %REC #	OTHER (1)	OTHER (2)	TOT OUT
01	PS1BLK0919	56	53	94	87			0
02	PS1BLK0919LC	53	55	103	96			0
03	OLFS4-DP27-S	38	37	105	99			0
04	OLFS4-DUP01S	74	70	109	101			0
05	OLFS4-DP29-S	65	64	119	111			0
06	OLFS4-DUP02S	70	68	99	93			0
07	OLFS4-DP30-S	71	69	118	108			0
08	OLFS4-DP14-S	63	65	107	98			0
09	OLFS4-DPW1-S	68	68	122	114			0
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
21								
22								
23								
24								
25								
26								
27								
28								
29								
30								

		EL QC LIMITS	SPIKE CONC (ug/Kg)
S1	= TCMX	(30-120)	17
S2	= DCB	(35-140)	17

Column to be used to flag recovery values
* Values outside of QC limits
D Surrogate results reported from a diluted analysis

FORM 3
SOIL PCB LAB CONTROL SAMPLE

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.P09057

Matrix Spike - Client Sample No.: PS1BLK0919

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC #	QC. LIMITS REC.
PCB-1016	166.7	0.0000	120.0	72	45-120
PCB-1260	166.7	0.0000	191.6	115	40-125

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 0 outside limits
Spike Recovery: 0 out of 2 outside limits

COMMENTS: _____

FORM 4
PCB METHOD BLANK SUMMARY

CLIENT SAMPLE NO.

PS1BLK0919

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.P09057

Lab Sample ID: PS1BLK0919 Lab File ID: 020F2001

Matrix (soil/water) SOIL Extraction: (SepF/Cont/Sonc/Soxh) SOXH

Sulfur Cleanup (Y/N) N Date Extracted: 09/19/06

Date Analyzed (1): 09/25/06 Date Analyzed (2): 09/25/06

Time Analyzed (1): 1959 Time Analyzed (2): 1959

Instrument ID (1): ECD4 Instrument ID (2): ECD4

Column (1): DB-35MS ID: 0.32(mm) Column (2): DB-XLB ID: 0.32(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
01	PS1BLK0919LC	PS1BLK0919LCS	09/25/06	09/25/06
02	OLFS4-DP27-S	0609057-05	09/25/06	09/25/06
03	OLFS4-DUP01S	0609057-07	09/25/06	09/25/06
04	OLFS4-DP29-S	0609057-08	09/25/06	09/25/06
05	OLFS4-DUP02S	0609057-09	09/25/06	09/25/06
06	OLFS4-DP30-S	0609057-10	09/25/06	09/25/06
07	OLFS4-DP14-S	0609057-12	09/25/06	09/25/06
08	OLFS4-DPW1-S	0609057-14	09/26/06	09/26/06
09				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				
26				

COMMENTS: _____

FORM 1
PCB ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

PS1BLK0919

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.P09057

Matrix: (soil/water) SOIL Lab Sample ID: PS1BLK0919

Sample wt/vol: 15.0 (g/mL) G Lab File ID: 020F2001

% Moisture: 0 decanted: (Y/N) N Date Sampled: _____

Extraction: (SepF/Cont/Sonc/Soxh) SOXH Date Extracted:09/19/06

Concentrated Extract Volume: 5.0(mL) Date Analyzed: 09/25/06 19:59

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: NA Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG MDL	RL	CONC	Q
12674-11-2	PCB-1016	4.2	17		U
11104-28-2	PCB-1221	4.2	17		U
11141-16-5	PCB-1232	4.2	17		U
53469-21-9	PCB-1242	4.2	17		U
12672-29-6	PCB-1248	4.2	17		U
11097-69-1	PCB-1254	4.2	17		U
11096-82-5	PCB-1260	4.2	17		U

FORM 6
PCB ORGANICS INITIAL CALIBRATION DATA

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.P09045

Instrument ID: ECD4 Calibration Date(s): 09/13/06 09/13/06

Column: DB-35MS ID: 0.32 (mm) Calibration Time(s): 1021 1312

LAB FILE ID: RF1000: 002F0201 RF750: 003F0301 RF500: 004F0401
RF250: 005F0501 RF100: 006F0601

COMPOUND	RF1000	RF750	RF500	RF250	RF100
PCB-1016	1245.636	1209.529	1390.350	1236.452	1213.410
(2)	518.266	514.177	576.340	549.504	547.380
(3)	570.886	560.584	646.946	561.716	552.960
(4)	647.974	638.491	749.942	715.416	738.660
(5)	549.083	528.491	629.074	559.116	553.370
PCB-1260	1895.302	1612.769	2076.982	1764.384	1604.030
(2)	788.424	723.567	896.448	781.920	755.980
(3)	1096.424	1027.297	1263.774	1169.232	1115.300
(4)	1303.812	1210.508	1496.390	1386.264	1279.310
(5)	978.448	842.312	1064.036	872.928	799.380
TCMX	24824.890	24433.400	25887.080	23500.600	22688.800
DCB	11966.780	10062.660	13663.240	12316.300	11640.600

FORM 6
PCB ORGANICS INITIAL CALIBRATION DATA

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.P09045

Instrument ID: ECD4 Calibration Date(s): 09/13/06 09/13/06

Column: DB-35MS ID: 0.32 (mm) Calibration Time(s): 1021 1312

LAB FILE ID: RF50: 007F0701 RF25: 008F0801

COMPOUND	RF50	RF25	CURVE	COEFFICENT A1	%RSD OR R^2
PCB-1016	1476.580	1219.440	AVRG	1284.48533	8.2
(2)	675.600	774.360	AVRG	593.661048	16.2
(3)	723.380	842.080	AVRG	636.936000	17.3
(4)	878.840	1054.560	AVRG	774.840381	18.9
(5)	641.680	743.360	AVRG	600.596238	12.6
PCB-1260	1595.920	1643.640	AVRG	1741.86105	10.6
(2)	820.060	863.120	AVRG	804.216952	7.5
(3)	1108.660	1140.440	AVRG	1131.58962	6.4
(4)	1332.540	1402.360	AVRG	1344.45486	6.9
(5)	893.220	957.040	AVRG	915.337714	9.9
TCMX	26554.500	30894.000	AVRG	25540.4671	10.6
DCB	11544.000	12179.000	AVRG	11910.3686	9.0

FORM 6
PCB ORGANICS INITIAL CALIBRATION DATA

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.P09045

Instrument ID: ECD4 Calibration Date(s): 09/13/06 09/13/06

Column: DB-35MS ID: 0.32 (mm) Calibration Time(s): 1021 1312

LAB FILE ID: RT1: 002F0201 RT2: 003F0301 RT3: 004F0401
RT4: 005F0501 RT5: 006F0601

COMPOUND	RT1	RT2	RT3	RT4	RT5
PCB-1016	9.530	9.530	9.531	9.530	9.530
(2)	8.850	8.850	8.852	8.850	8.850
(3)	9.670	9.670	9.669	9.670	9.670
(4)	9.930	9.930	9.934	9.930	9.930
(5)	10.300	10.300	10.302	10.300	10.300
PCB-1260	13.310	13.310	13.309	13.310	13.310
(2)	11.670	11.670	11.669	11.670	11.670
(3)	11.860	11.860	11.859	11.860	11.860
(4)	12.090	12.090	12.087	12.090	12.090
(5)	12.580	12.580	12.577	12.580	12.580
TCMX	7.390	7.390	7.391	7.390	7.390
DCB	15.220	15.220	15.221	15.220	15.220

FORM 6
PCB ORGANICS INITIAL CALIBRATION DATA

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.P09045

Instrument ID: ECD4 Calibration Date(s): 09/13/06 09/13/06

Column: DB-35MS ID: 0.32 (mm) Calibration Time(s): 1021 1312

LAB FILE ID: RT6: 007F0701 RT7: 008F0801

COMPOUND	RT6	RT7	MEAN RT	RT WINDOW FROM	RT WINDOW TO
PCB-1016	9.530	9.530	9.530	9.501	9.561
(2)	8.850	8.850	8.850	8.822	8.882
(3)	9.670	9.670	9.670	9.639	9.699
(4)	9.930	9.930	9.931	9.904	9.964
(5)	10.300	10.300	10.300	10.272	10.332
PCB-1260	13.310	13.310	13.310	13.279	13.339
(2)	11.670	11.670	11.670	11.639	11.699
(3)	11.860	11.860	11.860	11.829	11.889
(4)	12.090	12.090	12.090	12.057	12.117
(5)	12.580	12.580	12.580	12.547	12.607
TCMX	7.390	7.390	7.390	7.361	7.421
DCB	15.220	15.220	15.220	15.189	15.249

FORM 6
PCB ORGANICS INITIAL CALIBRATION DATA

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.P09045

Instrument ID: ECD4 Calibration Date(s): 09/13/06 09/13/06

Column: DB-XLB ID: 0.32 (mm) Calibration Time(s): 1021 1312

LAB FILE ID: RF1000: 002R0201 RF750: 003R0301 RF500: 004R0401
RF250: 005R0501 RF100: 006R0601

COMPOUND	RF1000	RF750	RF500	RF250	RF100
PCB-1016	1500.401	1450.233	1726.480	1516.748	1465.850
(2)	826.490	832.887	963.014	910.168	966.790
(3)	1176.570	1143.869	1359.680	1170.544	1158.880
(4)	1271.521	1284.931	1502.106	1495.788	1308.640
(5)	877.644	869.408	1021.530	980.136	1013.880
PCB-1260	2218.538	1926.636	2507.362	2273.868	2297.030
(2)	1297.392	1204.360	1493.896	1441.440	1496.770
(3)	1437.820	1297.523	1643.842	1508.316	1532.990
(4)	1091.503	976.991	1249.634	1208.872	1244.920
(5)	1277.907	1083.587	1438.806	1298.920	1338.030
TCMX	37840.790	38552.460	41737.960	39653.300	39153.600
DCB	12937.410	11015.580	15318.760	14524.300	13929.600

FORM 6
PCB ORGANICS INITIAL CALIBRATION DATA

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.P09045

Instrument ID: ECD4 Calibration Date(s): 09/13/06 09/13/06

Column: DB-XLB ID: 0.32 (mm) Calibration Time(s): 1021 1312

LAB FILE ID: RF50: 007R0701 RF25: 008R0801

COMPOUND	RF50	RF25	CURVE	COEFFICENT A1	%RSD OR R^2
PCB-1016	1706.080	2050.840	AVRG	1630.94748	13.3
(2)	1107.360	1224.280	AVRG	975.855524	14.9
(3)	1478.940	1772.520	AVRG	1323.00048	17.8
(4)	1526.560	1736.560	AVRG	1446.58652	11.7
(5)	1231.180	1483.600	AVRG	1068.19686	20.5
PCB-1260	2293.140	2486.960	AVRG	2286.21914	8.4
(2)	1464.900	1560.880	AVRG	1422.80543	8.8
(3)	1634.420	1791.840	AVRG	1549.53581	10.3
(4)	1243.700	1301.600	AVRG	1188.17424	9.6
(5)	1318.520	1435.040	AVRG	1312.97281	9.1
TCMX	39374.500	42076.000	AVRG	39769.8014	4.0
DCB	14104.000	15348.000	AVRG	13882.5214	10.9

FORM 6
PCB ORGANICS INITIAL CALIBRATION DATA

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.P09045

Instrument ID: ECD4 Calibration Date(s): 09/13/06 09/13/06

Column: DB-XLB ID: 0.32 (mm) Calibration Time(s): 1021 1312

LAB FILE ID: RT1: 002R0201 RT2: 003R0301 RT3: 004R0401
RT4: 005R0501 RT5: 006R0601

COMPOUND	RT1	RT2	RT3	RT4	RT5
PCB-1016	10.450	10.450	10.446	10.450	10.450
(2)	9.630	9.630	9.627	9.630	9.630
(3)	10.400	10.400	10.402	10.400	10.400
(4)	10.490	10.490	10.492	10.490	10.490
(5)	10.660	10.660	10.659	10.660	10.660
PCB-1260	14.290	14.290	14.292	14.290	14.300
(2)	12.730	12.730	12.732	12.730	12.730
(3)	13.090	13.090	13.087	13.090	13.090
(4)	13.590	13.590	13.594	13.590	13.600
(5)	14.690	14.690	14.687	14.690	14.690
TCMX	8.510	8.510	8.512	8.510	8.510
DCB	16.490	16.490	16.487	16.480	16.490

FORM 6
PCB ORGANICS INITIAL CALIBRATION DATA

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.P09045

Instrument ID: ECD4 Calibration Date(s): 09/13/06 09/13/06

Column: DB-XLB ID: 0.32 (mm) Calibration Time(s): 1021 1312

LAB FILE ID: RT6: 007R0701 RT7: 008R0801

COMPOUND	RT6	RT7	MEAN RT	RT WINDOW FROM	RT WINDOW TO
PCB-1016	10.450	10.450	10.449	10.416	10.476
(2)	9.630	9.630	9.630	9.597	9.657
(3)	10.400	10.400	10.400	10.372	10.432
(4)	10.490	10.490	10.490	10.462	10.522
(5)	10.660	10.660	10.660	10.629	10.689
PCB-1260	14.300	14.290	14.293	14.262	14.322
(2)	12.730	12.730	12.730	12.702	12.762
(3)	13.090	13.090	13.090	13.057	13.117
(4)	13.600	13.590	13.593	13.564	13.624
(5)	14.690	14.690	14.690	14.657	14.717
TCMX	8.510	8.510	8.510	8.481	8.541
DCB	16.490	16.490	16.488	16.456	16.516

Empirical Laboratories, LLC

CONTINUING CALIBRATION COMPOUNDS

9/26/06 Amb 092907

Instrument ID: ecd4.i Injection Date: 25-SEP-2006 17:36
Lab File ID: 015F1501.D Init. Cal. Date(s): 30-JUN-2006 20-SEP-2006
Analysis Type: SOIL Init. Cal. Times: 17:07 11:33
Lab Sample ID: 1660/sur500/25pp Quant Type: ESTD
Method: \\ELABNSH04\DD\chem\ecd4.i\092506B.b\8082F.m

COMPOUND	RRF	RF500	MIN RRF	%D	MAX %D	
29 PCB-1016(1)	1284	1524	0.010	18.7	15.0	<-
(2)	594	660	0.010	11.2	15.0	
(3)	637	694	0.010	9.0	15.0	
(4)	++++	++++	0.010	++++	15.0	<-
(5)	775	800	0.010	3.3	15.0	
(6)	601	672	0.010	11.9	15.0	
35 PCB-1260(1)	1742	2300	0.010	32.0	15.0	<-
(2)	804	986	0.010	22.6	15.0	<-
(3)	1132	1273	0.010	12.5	15.0	
(4)	1344	1516	0.010	12.7	15.0	
(5)	915	1135	0.010	24.0	15.0	<-
(6)	++++	++++	0.010	++++	15.0	<-
(7)	++++	++++	0.010	++++	15.0	<-
(8)	++++	++++	0.010	++++	15.0	<-
$ 36 TCMX	25540	27005	0.010	5.7	15.0	
$ 37 DCB	11910	12963	0.010	8.8	15.0	

10.8%D high

20.8%D high

Empirical Laboratories, LLC

CONTINUING CALIBRATION COMPOUNDS

JMW 9/29/06
Amb092906

Instrument ID: ecd4.i Injection Date: 25-SEP-2006 23:48
Lab File ID: 028F2801.D Init. Cal. Date(s): 30-JUN-2006 20-SEP-2006
Analysis Type: SOIL Init. Cal. Times: 17:07 11:33
Lab Sample ID: 1660/sur500/25pp Quant Type: ESTD
Method: \\ELABNSH04\DD\chem\ecd4.i\092506B.b\8082F.m

COMPOUND	RRF	RF500	MIN RRF	%D	MAX %D	
29 PCB-1016(1)	1284	1563	0.010	21.7	15.0	<-
(2)	594	662	0.010	11.6	15.0	
(3)	637	715	0.010	12.3	15.0	
(4)	++++	++++	0.010	++++	15.0	<-
(5)	775	829	0.010	6.9	15.0	
(6)	601	692	0.010	15.3	15.0	<-
35 PCB-1260(1)	1742	2291	0.010	31.5	15.0	<-
(2)	804	1023	0.010	27.2	15.0	<-
(3)	1132	1318	0.010	16.4	15.0	<-
(4)	1344	1540	0.010	14.6	15.0	
(5)	915	1246	0.010	36.1	15.0	<-
(6)	++++	++++	0.010	++++	15.0	<-
(7)	++++	++++	0.010	++++	15.0	<-
(8)	++++	++++	0.010	++++	15.0	<-
$ 36 TCMX	25540	27528	0.010	7.8	15.0	
$ 37 DCB	11910	12438	0.010	4.4	15.0	

✓ 13.6%D

✓ 25.2%D

9/29/06
amb092906

Empirical Laboratories, LLC

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: ecd4.i Injection Date: 26-SEP-2006 08:50
Lab File ID: 047F4701.D Init. Cal. Date(s): 30-JUN-2006 20-SEP-2006
Analysis Type: SOIL Init. Cal. Times: 17:07 11:33
Lab Sample ID: 1660/sur500/25pp Quant Type: ESTD
Method: \\ELABNSH04\DD\chem\ecd4.i\092506B.b\8082F.m

COMPOUND	RRF	RF500	MIN RRF	%D	MAX %D	
29 PCB-1016(1)	1284	1735	0.010	35.1	15.0	<-
(2)	594	650	0.010	9.6	15.0	
(3)	637	782	0.010	22.8	15.0	<-
(4)	++++	++++	0.010	++++	15.0	<-
(5)	775	868	0.010	12.0	15.0	
(6)	601	724	0.010	20.6	15.0	<-
35 PCB-1260(1)	1742	2154	0.010	23.7	15.0	<-
(2)	804	1024	0.010	27.3	15.0	<-
(3)	1132	1314	0.010	16.1	15.0	<-
(4)	1344	1542	0.010	14.7	15.0	
(5)	915	1221	0.010	33.4	15.0	<-
(6)	++++	++++	0.010	++++	15.0	<-
(7)	++++	++++	0.010	++++	15.0	<-
(8)	++++	++++	0.010	++++	15.0	<-
$ 36 TCMX	25540	29697	0.010	16.3	15.0	<- high
$ 37 DCB	11910	11067	0.010	-7.1	15.0	

20%D

23.0%D

Empirical Laboratories, LLC

CONTINUING CALIBRATION COMPOUNDS

amb 092906
9/29/06

Instrument ID: ecd4.i Injection Date: 25-SEP-2006 17:36
Lab File ID: 015R1501.D Init. Cal. Date(s): 30-JUN-2006 20-SEP-2006
Analysis Type: SOIL Init. Cal. Times: 17:07 11:33
Lab Sample ID: 1660/sur500/25pp Quant Type: ESTD
Method: \\ELABNSH04\DD\chem\ecd4.i\092506B.b\8082R.m

COMPOUND	RRF	RF500	MIN RRF	%D	MAX %D	
29 PCB-1016(1)	1631	1823	0.010	11.8	15.0	
(2)	976	1018	0.010	4.3	15.0	
(3)	1323	1436	0.010	8.5	15.0	
(4)	1447	1451	0.010	0.3	15.0	
(5)	1068	1073	0.010	0.4	15.0	
(6)	++++	++++	0.010	++++	15.0	<-
35 PCB-1260(1)	2286	2760	0.010	20.7	15.0	<-
(2)	1423	1623	0.010	14.1	15.0	
(3)	1550	1842	0.010	18.9	15.0	<-
(4)	++++	++++	0.010	++++	15.0	<-
(5)	1188	1417	0.010	19.2	15.0	<-
(6)	++++	++++	0.010	++++	15.0	<-
(7)	++++	++++	0.010	++++	15.0	<-
(8)	1313	1529	0.010	16.4	15.0	<-
(9)	++++	++++	0.010	++++	15.0	<-
$ 36 TCMX	39770	43884	0.010	10.3	15.0	
$ 37 DCB	13883	14805	0.010	6.6	15.0	

amb 092906
18.4%D
17.9%D

Empirical Laboratories, LLC

CONTINUING CALIBRATION COMPOUNDS

9/29/06
ORD092906

Instrument ID: ecd4.i Injection Date: 25-SEP-2006 23:48
Lab File ID: 028R2801.D Init. Cal. Date(s): 30-JUN-2006 20-SEP-2006
Analysis Type: SOIL Init. Cal. Times: 17:07 11:33
Lab Sample ID: 1660/sur500/25pp Quant Type: ESTD
Method: \\ELABNSH04\DD\chem\ecd4.i\092506B.b\8082R.m

COMPOUND	RRF	RF500	MIN RRF	%D	MAX %D	
29 PCB-1016(1)	1631	1842	0.010	13.0	15.0	
(2)	976	1021	0.010	4.6	15.0	
(3)	1323	1475	0.010	11.5	15.0	
(4)	1447	1441	0.010	-0.4	15.0	
(5)	1068	1084	0.010	1.5	15.0	
(6)	++++	++++	0.010	++++	15.0	<-
35 PCB-1260(1)	2286	2716	0.010	18.8	15.0	<-
(2)	1423	1648	0.010	15.8	15.0	<-
(3)	1550	1864	0.010	20.3	15.0	<-
(4)	++++	++++	0.010	++++	15.0	<-
(5)	1188	1423	0.010	19.8	15.0	<-
(6)	++++	++++	0.010	++++	15.0	<-
(7)	++++	++++	0.010	++++	15.0	<-
(8)	1313	1481	0.010	12.8	15.0	
(9)	++++	++++	0.010	++++	15.0	<-
$ 36 TCMX	39770	43762	0.010	10.0	15.0	
$ 37 DCB	13883	13998	0.010	0.8	15.0	

17.5 %D

Empirical Laboratories, LLC

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: ecd4.i Injection Date: 26-SEP-2006 08:50
Lab File ID: 047R4701.D Init. Cal. Date(s): 30-JUN-2006 20-SEP-2006
Analysis Type: SOIL Init. Cal. Times: 17:07 11:33
Lab Sample ID: 1660/sur500/25pp Quant Type: ESTD
Method: \\ELABNSH04\DD\chem\ecd4.i\092506B.b\8082R.m

COMPOUND	RRF	RF500	MIN RRF	%D	MAX %D	
29 PCB-1016(1)	1631	1967	0.010	20.6	15.0	<-
(2)	976	1078	0.010	10.5	15.0	
(3)	1323	1553	0.010	17.4	15.0	<-
(4)	1447	1561	0.010	7.9	15.0	
(5)	1068	1147	0.010	7.4	15.0	
(6)	++++	++++	0.010	++++	15.0	<-
35 PCB-1260(1)	2286	2582	0.010	12.9	15.0	
(2)	1423	1655	0.010	16.3	15.0	<-
(3)	1550	1855	0.010	19.7	15.0	<-
(4)	++++	++++	0.010	++++	15.0	<-
(5)	1188	1380	0.010	16.1	15.0	<-
(6)	++++	++++	0.010	++++	15.0	<-
(7)	++++	++++	0.010	++++	15.0	<-
(8)	1313	1401	0.010	6.7	15.0	
(9)	++++	++++	0.010	++++	15.0	<-
$ 36 TCMX	39770	46383	0.010	16.6	15.0	<-
$ 37 DCB	13883	12557	0.010	-9.6	15.0	

9/29/06 amb 092906

12.8%D

14.4%D

high

FORM 8
PCB ANALYTICAL SEQUENCE

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.P09045

Column: DB-35MS ID: 0.32 (mm) Cont. Calib. Date(s): 09/13/06

Instrument ID: ECD4

THE ANALYTICAL SEQUENCE OF PERFORMANCE BLANKS, AND SAMPLES GIVEN BELOW:

SURROGATE RT FROM CONTINUING CALIBRATION
S1 : 7.39 S2 : 15.22

	CLIENT SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	S1 RT #	S2 RT #
01		1660/SUR1000	09/13/06	1021	7.39	15.22
02		1660/SUR750/	09/13/06	1049	7.39	15.22
03		1660/SUR500/	09/13/06	1118	7.39	15.22
04		1660/SUR250/	09/13/06	1146	7.39	15.22
05		1660/SUR 100	09/13/06	1215	7.39	15.22
06		1660/SUR 50/	09/13/06	1244	7.39	15.22
07		1660/SUR 25/	09/13/06	1312	7.39	15.22
08		ICV 1660 500	09/13/06	1341		
09						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
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27						
28						
29						
30						
31						
32						

	QC LIMITS
S1 = TCMX	(+/- 0.03 MINUTES)
S2 = DCB	(+/- 0.03 MINUTES)

Column used to flag retention time values with an asterisk.
* Values outside of QC limits.

FORM 8
PCB ANALYTICAL SEQUENCE

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.P09057

Column: DB-35MS ID: 0.32 (mm) Cont. Calib. Date(s): 09/25/06

Instrument ID: ECD4

THE ANALYTICAL SEQUENCE OF PERFORMANCE BLANKS, AND SAMPLES GIVEN BELOW:

SURROGATE RT FROM CONTINUING CALIBRATION
S1 : 7.39 S2 : 15.21

	CLIENT SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	S1 RT #	S2 RT #
01		1660/SUR500/	09/25/06	1736	7.39	15.22
02	PS1BLK0919	PS1BLK0919	09/25/06	1959	7.39	15.22
03	PS1BLK0919LC	PS1BLK0919LC	09/25/06	2028	7.39	15.21
04	OLFS4-DP27-S	0609057-05	09/25/06	2056	7.39	15.22
05	OLFS4-DUP01S	0609057-07	09/25/06	2125	7.39	15.21
06	OLFS4-DP29-S	0609057-08	09/25/06	2153	7.39	15.22
07	OLFS4-DUP02S	0609057-09	09/25/06	2222	7.39	15.21
08	OLFS4-DP30-S	0609057-10	09/25/06	2250	7.39	15.22
09	OLFS4-DP14-S	0609057-12	09/25/06	2319	7.39	15.21
10		1660/SUR500/	09/25/06	2348	7.39	15.21
11	OLFS4-DPW1-S	0609057-14	09/26/06	0113	7.39	15.22
12		1660/SUR500/	09/26/06	0850	7.39	15.22
13						
14						
15						
16						
17						
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19						
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22						
23						
24						
25						
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27						
28						
29						
30						
31						
32						

QC LIMITS

S1 = TCMX (+/- 0.03 MINUTES)
S2 = DCB (+/- 0.03 MINUTES)

Column used to flag retention time values with an asterisk.
* Values outside of QC limits.

FORM 8
PCB ANALYTICAL SEQUENCE

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.P09045

Column: DB-XLB ID: 0.32 (mm) Cont. Calib. Date(s): 09/13/06

Instrument ID: ECD4

THE ANALYTICAL SEQUENCE OF PERFORMANCE BLANKS, AND SAMPLES GIVEN BELOW:

SURROGATE RT FROM CONTINUING CALIBRATION
S1 : 8.51 S2 : 16.49

	CLIENT SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	S1 RT #	S2 RT #
01		1660/SUR1000	09/13/06	1021	8.51	16.49
02		1660/SUR750/	09/13/06	1049	8.51	16.49
03		1660/SUR500/	09/13/06	1118	8.51	16.49
04		1660/SUR250/	09/13/06	1146	8.51	16.48
05		1660/SUR 100	09/13/06	1215	8.51	16.49
06		1660/SUR 50/	09/13/06	1244	8.51	16.49
07		1660/SUR 25/	09/13/06	1312	8.51	16.49
08		ICV 1660 500	09/13/06	1341		
09						
10						
11						
12						
13						
14						
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32						

QC LIMITS

S1 = TCMX (+/- 0.03 MINUTES)
S2 = DCB (+/- 0.03 MINUTES)

Column used to flag retention time values with an asterisk.
* Values outside of QC limits.

FORM 8
PCB ANALYTICAL SEQUENCE

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.P09057

Column: DB-XLB ID: 0.32 (mm) Cont. Calib. Date(s): 09/25/06

Instrument ID: ECD4

THE ANALYTICAL SEQUENCE OF PERFORMANCE BLANKS, AND SAMPLES GIVEN BELOW:

SURROGATE RT FROM CONTINUING CALIBRATION
S1 : 8.51 S2 : 16.48

	CLIENT SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	S1 RT #	S2 RT #
01		1660/SUR500/	09/25/06	1736	8.51	16.47
02	PS1BLK0919	PS1BLK0919	09/25/06	1959	8.51	16.47
03	PS1BLK0919LC	PS1BLK0919LC	09/25/06	2028	8.51	16.47
04	OLFS4-DP27-S	0609057-05	09/25/06	2056	8.51	16.47
05	OLFS4-DUP01S	0609057-07	09/25/06	2125	8.51	16.47
06	OLFS4-DP29-S	0609057-08	09/25/06	2153	8.51	16.47
07	OLFS4-DUP02S	0609057-09	09/25/06	2222	8.51	16.47
08	OLFS4-DP30-S	0609057-10	09/25/06	2250	8.51	16.47
09	OLFS4-DP14-S	0609057-12	09/25/06	2319	8.51	16.47
10		1660/SUR500/	09/25/06	2348	8.51	16.47
11	OLFS4-DPW1-S	0609057-14	09/26/06	0113	8.51	16.47
12		1660/SUR500/	09/26/06	0850	8.50	16.47
13						
14						
15						
16						
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22						
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29						
30						
31						
32						

QC LIMITS

S1 = TCMX (+/- 0.03 MINUTES)
S2 = DCB (+/- 0.03 MINUTES)

Column used to flag retention time values with an asterisk.
* Values outside of QC limits.

FORM 1
PRO ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-DP25-S10

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.F09057

Matrix: (soil/water) SOIL Lab Sample ID: 0609057-01

Sample wt/vol: 25.1 (g/mL) G Lab File ID: 006R0201

% Moisture: 18 decanted: (Y/N) N Date Sampled: 09/08/06 08:25

Extraction: (SepF/Cont/Sonc/Soxh) SONC Date Extracted:09/19/06

Concentrated Extract Volume: 2.0(mL) Date Analyzed: 09/23/06 10:59

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS: (ug/L or ug/Kg) MG/KG

CAS NO.	COMPOUND	MDL	RL	CONC	Q
	PRO-8-40------Petroleum Range	12	37		U

FORM 1
PRO ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-DP26-56

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.F09057

Matrix: (soil/water) SOIL Lab Sample ID: 0609057-04

Sample wt/vol: 25.3 (g/mL) G Lab File ID: 007R0201

% Moisture: 7 decanted: (Y/N) N Date Sampled: 09/08/06 10:44

Extraction: (SepF/Cont/Sonc/Soxh) SONC Date Extracted:09/19/06

Concentrated Extract Volume: 2.0(mL) Date Analyzed: 09/23/06 11:41

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS: (ug/L or ug/Kg) MG/KG

CAS NO.	COMPOUND	MDL	RL	CONC	Q
	PRO-8-40------Petroleum Range	10	32		U

FORM 1
PRO ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-DP27-S4

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.F09057

Matrix: (soil/water) SOIL Lab Sample ID: 0609057-05

Sample wt/vol: 25.2 (g/mL) G Lab File ID: 008R0201

% Moisture: 6 decanted: (Y/N) N Date Sampled: 09/08/06 11:35

Extraction: (SepF/Cont/Sonc/Soxh) SONC Date Extracted:09/19/06

Concentrated Extract Volume: 2.0(mL) Date Analyzed: 09/23/06 12:23

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS: (ug/L or ug/Kg) MG/KG

CAS NO.	COMPOUND	MDL	RL	CONC	Q
	PRO-8-40------Petroleum Range	10	32	12	I

FORM 1
PRO ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-DP28-S8

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.F09057

Matrix: (soil/water) SOIL Lab Sample ID: 0609057-06

Sample wt/vol: 25.0 (g/mL) G Lab File ID: 009R0201

% Moisture: 5 decanted: (Y/N) N Date Sampled: 09/08/06 14:08

Extraction: (SepF/Cont/Sonc/Soxh) SONC Date Extracted:09/19/06

Concentrated Extract Volume: 2.0(mL) Date Analyzed: 09/23/06 13:06

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS: (ug/L or ug/Kg) MG/KG

CAS NO.	COMPOUND	MDL	RL	CONC	Q
	PRO-8-40------Petroleum Range	10	31		U

FORM 1
PRO ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-DUP01S

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.F09057

Matrix: (soil/water) SOIL Lab Sample ID: 0609057-07

Sample wt/vol: 25.5 (g/mL) G Lab File ID: 010R0201

% Moisture: 6 decanted: (Y/N) N Date Sampled: 09/08/06 11:35

Extraction: (SepF/Cont/Sonc/Soxh) SONC Date Extracted:09/19/06

Concentrated Extract Volume: 2.0(mL) Date Analyzed: 09/23/06 13:48

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS: (ug/L or ug/Kg) MG/KG

CAS NO.	COMPOUND	MDL	RL	CONC	Q
	PRO-8-40------Petroleum Range	10	31		U

FORM 1
PRO ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-DP29-S4

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.F09057

Matrix: (soil/water) SOIL Lab Sample ID: 0609057-08

Sample wt/vol: 25.6 (g/mL) G Lab File ID: 011R0201

% Moisture: 6 decanted: (Y/N) N Date Sampled: 09/08/06 15:03

Extraction: (SepF/Cont/Sonc/Soxh) SONC Date Extracted:09/19/06

Concentrated Extract Volume: 2.0(mL) Date Analyzed: 09/23/06 14:30

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) MG/KG MDL	RL	CONC	Q
	PRO-8-40------Petroleum Range	10	31		U

FORM 1
PRO ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-DUP02S

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.F09057

Matrix: (soil/water) SOIL Lab Sample ID: 0609057-09

Sample wt/vol: 25.2 (g/mL) G Lab File ID: 012R0201

% Moisture: 6 decanted: (Y/N) N Date Sampled: 09/08/06 15:03

Extraction: (SepF/Cont/Sonc/Soxh) SONC Date Extracted:09/19/06

Concentrated Extract Volume: 2.0(mL) Date Analyzed: 09/23/06 15:12

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) MG/KG MDL	RL	CONC	Q
	PRO-8-40------Petroleum Range	10	32	11	I

FORM 1
PRO ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-DP30-S8

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.F09057

Matrix: (soil/water) SOIL Lab Sample ID: 0609057-10

Sample wt/vol: 25.4 (g/mL) G Lab File ID: 014R0201

% Moisture: 5 decanted: (Y/N) N Date Sampled: 09/08/06 16:20

Extraction: (SepF/Cont/Sonc/Soxh) SONC Date Extracted:09/19/06

Concentrated Extract Volume: 2.0(mL) Date Analyzed: 09/23/06 16:36

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS: (ug/L or ug/Kg) MG/KG

CAS NO.	COMPOUND	MDL	RL	CONC	Q
	PRO-8-40------Petroleum Range	10	31		U

FORM 1
PRO ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-DP13-S20

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.F09057

Matrix: (soil/water) SOIL Lab Sample ID: 0609057-11

Sample wt/vol: 25.2 (g/mL) G Lab File ID: 015R0201

% Moisture: 9 decanted: (Y/N) N Date Sampled: 09/08/06 09:00

Extraction: (SepF/Cont/Sonc/Soxh) SONC Date Extracted:09/19/06

Concentrated Extract Volume: 2.0(mL) Date Analyzed: 09/23/06 17:18

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS: (ug/L or ug/Kg) MG/KG

CAS NO.	COMPOUND	MDL	RL	CONC	Q
	PRO-8-40------Petroleum Range	11	32		U

FORM 1
PRO ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-DP14-S20

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.F09057

Matrix: (soil/water) SOIL Lab Sample ID: 0609057-12

Sample wt/vol: 25.2 (g/mL) G Lab File ID: 016R0201

% Moisture: 7 decanted: (Y/N) N Date Sampled: 09/08/06 10:15

Extraction: (SepF/Cont/Sonc/Soxh) SONC Date Extracted:09/19/06

Concentrated Extract Volume: 2.0(mL) Date Analyzed: 09/23/06 18:01

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) MG/KG MDL	RL	CONC	Q
	PRO-8-40------Petroleum Range	11	32		U

FORM 1
PRO ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-DP15-S20

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.F09057

Matrix: (soil/water) SOIL Lab Sample ID: 0609057-13

Sample wt/vol: 25.4 (g/mL) G Lab File ID: 017R0201

% Moisture: 7 decanted: (Y/N) N Date Sampled: 09/08/06 11:20

Extraction: (SepF/Cont/Sonc/Soxh) SONC Date Extracted:09/19/06

Concentrated Extract Volume: 2.0(mL) Date Analyzed: 09/23/06 18:43

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS: (ug/L or ug/Kg) MG/KG

CAS NO.	COMPOUND	MDL	RL	CONC	Q
	PRO-8-40------Petroleum Range	11	32		U

FORM 1
PRO ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-DPW1-S45

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.F09057

Matrix: (soil/water) SOIL Lab Sample ID: 0609057-14

Sample wt/vol: 25.2 (g/mL) G Lab File ID: 018R0201

% Moisture: 9 decanted: (Y/N) N Date Sampled: 09/08/06 14:30

Extraction: (SepF/Cont/Sonc/Soxh) SONC Date Extracted:09/19/06

Concentrated Extract Volume: 2.0(mL) Date Analyzed: 09/23/06 19:25

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) MG/KG MDL	RL	CONC	Q
	PRO-8-40------Petroleum Range	11	33	12	I

FORM 2
SOIL PRO SURROGATE RECOVERY

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.F09057

Column(1): ZB-5 ID: 0.32 (mm)

	CLIENT SAMPLE NO.	S1 %REC #	S2 %REC #	S3 %REC #	S4 %REC #	S5 %REC #	S6 %REC #	TOT OUT
01	FS1BLK0919	103	77					0
02	FS1BLK0919LC	102	58 *	PRO 107% Recov.				0
03	OLFS4-DP25-S	90	44 *					0
04	OLFS4-DP26-5	97	48 *					0
05	OLFS4-DP27-S	94	70					0
06	OLFS4-DP28-S	133	59 *					0
07	OLFS4-DUP01S	90	56 *					0
08	OLFS4-DP29-S	102	79					0
09	OLFS4-DUP02S	76	21*					1
10	OLFS4-DP30-S	90	76					0
11	OLFS4-DP13-S	87	58 *					0
12	OLFS4-DP14-S	99	45 *					0
13	OLFS4-DP15-S	88	42 *					0
14	OLFS4-DPW1-S	96	54 *					0
15	OLFS4-DP13-S MS	93	65 *					0
16	OLFS4-DP13-S MSD	97	105					0
17								
18								
19								
20								
21								
22								
23								
24								
25								
26								
27								
28								
29								
30								

* potential bias into control
[illegible] 10/16/06

		EL QC LIMITS	SPIKE CONC (mg/Kg)
S1	= Ortho-Terphenyl	(45-135)	2.0
S2	= Nonatriacontane	(40-150)	12

Column to be used to flag recovery values
* Values outside of QC limits
D Surrogate results reported from a diluted analysis

FORM 3
SOIL PRO LAB CONTROL SAMPLE

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.F09057

Matrix Spike - Client Sample No.: FS1BLK0919

COMPOUND	SPIKE ADDED (mg/Kg)	SAMPLE CONCENTRATION (mg/Kg)	LCS CONCENTRATION (mg/Kg)	LCS % REC #	QC. LIMITS REC.
Petroleum Range	128.0	0.0000	137.2	107	50-140

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 0 outside limits
Spike Recovery: 0 out of 1 outside limits

COMMENTS: _____

FORM 3
SOIL PRO MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.F09057

Matrix Spike - Client Sample No.: OLFS4-DP13-S20 Lab Sample ID: 0609057-11

COMPOUND	SPIKE ADDED (mg/Kg)	SAMPLE CONCENTRATION (mg/Kg)	MS CONCENTRATION (mg/Kg)	MS % REC #	QC. LIMITS REC.
Petroleum Range	139.5	0.0000	139.0	100	50-140

COMPOUND	SPIKE ADDED (mg/Kg)	MSD CONCENTRATION (mg/Kg)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Petroleum Range	139.5	152.6	109	9	50	50-140

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 1 outside limits
Spike Recovery: 0 out of 2 outside limits

COMMENTS: _____

FORM 4
PRO METHOD BLANK SUMMARY

CLIENT SAMPLE NO.

FS1BLK0919

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.F09057

Lab Sample ID: FS1BLK0919 Lab File ID: 003R0201

Matrix (soil/water) SOIL Extraction: (SepF/Cont/Sonc/Soxh) SONC

Sulfur Cleanup (Y/N) N Date Extracted: 09/19/06

Date Analyzed (1): 09/23/06 Date Analyzed (2):

Time Analyzed (1): 0853 Time Analyzed (2):

Instrument ID (1): GCTCDFID Instrument ID (2):

Column (1): ZB-5 ID: 0.32(mm) Column (2): ID:

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
01	FS1BLK0919LC	FS1BLK0919LCS	09/23/06	
02	OLFS4-DP25-S	0609057-01	09/23/06	
03	OLFS4-DP26-5	0609057-04	09/23/06	
04	OLFS4-DP27-S	0609057-05	09/23/06	
05	OLFS4-DP28-S	0609057-06	09/23/06	
06	OLFS4-DUP01S	0609057-07	09/23/06	
07	OLFS4-DP29-S	0609057-08	09/23/06	
08	OLFS4-DUP02S	0609057-09	09/23/06	
09	OLFS4-DP30-S	0609057-10	09/23/06	
10	OLFS4-DP13-S	0609057-11	09/23/06	
11	OLFS4-DP14-S	0609057-12	09/23/06	
12	OLFS4-DP15-S	0609057-13	09/23/06	
13	OLFS4-DPW1-S	0609057-14	09/23/06	
14	OLFS4-DP13-S	0609057-11MS	09/24/06	
15	OLFS4-DP13-S	0609057-11MSD	09/24/06	
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				
26				

COMMENTS: _____

FORM 1
PRO ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

FS1BLK0919

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.F09057

Matrix: (soil/water) SOIL Lab Sample ID: FS1BLK0919

Sample wt/vol: 25.0 (g/mL) G Lab File ID: 003R0201

% Moisture: 0 decanted: (Y/N) N Date Sampled: _____

Extraction: (SepF/Cont/Sonc/Soxh) SONC Date Extracted:09/19/06

Concentrated Extract Volume: 2.0(mL) Date Analyzed: 09/23/06 08:53

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS: (ug/L or ug/Kg) MG/KG

CAS NO.	COMPOUND	MDL	RL	CONC	Q
	PRO-8-40------Petroleum Range	10	30		U

FORM 6
PRO ORGANICS INITIAL CALIBRATION DATA

Lab Name: EMPIRICAL LABS Contract:

Lab Code: Case No.: SAS No.: NA SDG No.: SDGA21055

Instrument ID: GCFID2 Calibration Date(s): 09/19/06 09/19/06

Column: RTX-5 ID: 0.32 (mm) Calibration Time(s): 1053 1520

LAB FILE ID: RF8500: 003F0301 RF5950: 004F0401 RF4250: 005F0501
RF2550: 006F0601 RF850: 007F0701

COMPOUND	RF8500	RF5950	RF4250	RF2550	RF850
Petroleum Range	1618.386	1638.848	1746.045	1740.640	1781.092
Ortho-Terphenyl	2496.720	2586.680	2711.040	2648.560	2528.120
Nonatriacontane	562.140	525.373	558.727	535.853	512.427

J.H. 9.20.06

9/22/06

FORM 6
PRO ORGANICS INITIAL CALIBRATION DATA

Lab Name: EMPIRICAL LABS Contract:

Lab Code: Case No.: SAS No.: NA SDG No.: SDGA21055

Instrument ID: GCFID2 Calibration Date(s): 09/19/06 09/19/06

Column: RTX-5 ID: 0.32 (mm) Calibration Time(s): 1053 1520

RF85: 008F0801

COMPOUND	RF85	CURVE	COEFFICENT A1	%RSD OR R^2
Petroleum Range	2240.859	AVRG	1794.31158	12.7
Ortho-Terphenyl	2370.640	AVRG	2556.96000	4.7
Nonatriacontane	481.807	AVRG	529.387778	5.7

FORM 6
PRO ORGANICS INITIAL CALIBRATION DATA

Lab Name: EMPIRICAL LABS Contract:

Lab Code: Case No.: SAS No.: NA SDG No.: SDGA21055

Instrument ID: GCFID2 Calibration Date(s): 09/19/06 09/19/06

Column: RTX-5 ID: 0.32 (mm) Calibration Time(s): 1053 1520

LAB FILE ID: RT1: 003F0301 RT2: 004F0401 RT3: 005F0501
RT4: 006F0601 RT5: 007F0701

COMPOUND	RT1	RT2	RT3	RT4	RT5
Petroleum Range	19.380	19.380	19.380	19.380	19.380
Ortho-Terphenyl	18.267	18.270	18.270	18.270	18.270
Nonatriacontane	34.417	34.413	34.420	34.420	34.420

FORM 6
PRO ORGANICS INITIAL CALIBRATION DATA

Lab Name: EMPIRICAL LABS Contract:

Lab Code: Case No.: SAS No.: NA SDG No.: SDGA21055

Instrument ID: GCFID2 Calibration Date(s): 09/19/06 09/19/06

Column: RTX-5 ID: 0.32 (mm) Calibration Time(s): 1053 1520

RT6: 008F0801

COMPOUND	RT6	MEAN RT	RT WINDOW FROM	RT WINDOW TO
Petroleum Range	19.380	19.380	3.040	35.720
Ortho-Terphenyl	18.273	18.270	18.127	18.407
Nonatriacontane	34.420	34.418	34.137	34.697

9.29.06

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CONTINUING CALIBRATION COMPOUNDS

Instrument ID: gctcdfid.i Injection Date: 23-SEP-2006 08:11
Lab File ID: 002R0201.D Init. Cal. Date(s): 13-AUG-2006 11-SEP-2006
Analysis Type: SOIL Init. Cal. Times: 11:23 18:26
Lab Sample ID: FLPRO 4250ppm Quant Type: ESTD
Method: \\ELABNSH04\DD\chem\gctcdfid.i\092306.b\092306.b\FLPROR.m

10/18/06

COMPOUND	RRF	RF4250	MIN RRF	%D	MAX %D	
S 1 Petroleum Range	1119	1186	0.010	6.0	25.0	
$ 2 Ortho-Terphenyl	1727	1852	0.010	7.2	25.0	
$ 23 Nonatriacontane	287	380	0.010	32.4	25.0	<- H

J.H. 9.29.06

Empirical Laboratories, LLC

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: gctcdfid.i Injection Date: 23-SEP-2006 15:54
Lab File ID: 013R0201.D Init. Cal. Date(s): 13-AUG-2006 11-SEP-2006
Analysis Type: SOIL Init. Cal. Times: 11:23 18:26
Lab Sample ID: FLPRO 4250ppm Quant Type: ESTD
Method: \\ELABNSH04\DD\chem\gctcdfid.i\092306.b\092306.b\FLPROR.m

COMPOUND	RRF	RF4250	MIN RRF	%D	MAX %D	
$ 1 Petroleum Range	1119	1354	0.010	21.0	25.0	
$ 2 Ortho-Terphenyl	1727	1967	0.010	13.9	25.0	
$ 23 Nonatriacontane	287	493	0.010	71.6	25.0	<- HIGH

CCV 4250

J.H. 9.29.06

Empirical Laboratories, LLC

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: gctcdfid.i Injection Date: 23-SEP-2006 23:39
Lab File ID: 024R0201.D Init. Cal. Date(s): 13-AUG-2006 11-SEP-2006
Analysis Type: SOIL Init. Cal. Times: 11:23 18:26
Lab Sample ID: FLPRO 4250ppm Quant Type: ESTD
Method: \\ELABNSH04\DD\chem\gctcdfid.i\092306.b\092306.b\FLPROR.m

COMPOUND	RRF	RF4250	MIN RRF	%D	MAX %D	
S 1 Petroleum Range	1119	1235	0.010	10.4	25.0	
$ 2 Ortho-Terphenyl	1727	1760	0.010	1.9	25.0	
$ 23 Nonatriacontane	287	× 418	0.010	45.5	25.0	<- H1644

CCA 13PC

FORM 8
PRO ANALYTICAL SEQUENCE

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.F09045

Column: ZB-5 ID: 0.32 (mm) Cont. Calib. Date(s): 09/11/06

Instrument ID: GCTCDFID

THE ANALYTICAL SEQUENCE OF PERFORMANCE BLANKS, AND SAMPLES GIVEN BELOW:

SURROGATE RT FROM CONTINUING CALIBRATION
S1 : 16.67 S2 : 31.84

	CLIENT SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	S1 RT #	S2 RT #
01		FLPRO 8500PP	09/11/06	1456	16.69	31.86
02		FLPRO 5950PP	09/11/06	1538	16.69	31.85
03		FLPRO 4250PP	09/11/06	1620	16.67	31.84
04		FLPRO 2550PP	09/11/06	1702	16.67	31.84
05		FLPRO 850PPM	09/11/06	1744	16.68	31.85
06		FLPRO 85PPM	09/11/06	1826	16.69	31.86
07		FLPRO ICV	09/11/06	1908		
08						
09						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						
23						
24						
25						
26						
27						
28						
29						
30						
31						
32						

QC LIMITS

S1 = Ortho-Terphenyl (+/- 0.14 MINUTES)
S2 = Nonatriacontane (+/- 0.28 MINUTES)

Column used to flag retention time values with an asterisk.
* Values outside of QC limits.

FORM VIII PRO

FORM 8
PRO ANALYTICAL SEQUENCE

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.F09057

Column: ZB-5 ID: 0.32 (mm) Cont. Calib. Date(s): 09/23/06-09/24/06

Instrument ID: GCTCDFID

THE ANALYTICAL SEQUENCE OF PERFORMANCE BLANKS, AND SAMPLES GIVEN BELOW:

					SURROGATE RT FROM CONTINUING CALIBRATION S1 : 16.70 S2 : 31.88	
	CLIENT SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	S1 RT #	S2 RT #
01		FLPRO 4250PP	09/23/06	0811	16.70	31.88
02	FS1BLK0919	FS1BLK0919	09/23/06	0853	16.71	31.88
03	FS1BLK0919LC	FS1BLK0919LC	09/23/06	0935	16.71	31.87
04	OLFS4-DP25-S	0609057-01	09/23/06	1059	16.71	31.88
05	OLFS4-DP26-5	0609057-04	09/23/06	1141	16.71	31.89
06	OLFS4-DP27-S	0609057-05	09/23/06	1223	16.71	31.89
07	OLFS4-DP28-S	0609057-06	09/23/06	1306	16.71	31.89
08	OLFS4-DUP01S	0609057-07	09/23/06	1348	16.72	31.89
09	OLFS4-DP29-S	0609057-08	09/23/06	1430	16.72	31.90
10	OLFS4-DUP02S	0609057-09	09/23/06	1512	16.72	31.90
11		FLPRO 4250PP	09/23/06	1554	16.70	31.89
12	OLFS4-DP30-S	0609057-10	09/23/06	1636	16.71	31.89
13	OLFS4-DP13-S	0609057-11	09/23/06	1718	16.72	31.89
14	OLFS4-DP14-S	0609057-12	09/23/06	1801	16.72	31.89
15	OLFS4-DP15-S	0609057-13	09/23/06	1843	16.72	31.89
16	OLFS4-DPW1-S	0609057-14	09/23/06	1925	16.72	31.90
17		FLPRO 4250PP	09/23/06	2339	16.71	31.89
18	OLFS4-DP13-S	0609057-11MS	09/24/06	0147	16.73	31.90
19	OLFS4-DP13-S	0609057-11MS	09/24/06	0229	16.73	31.91
20		FLPRO 4250PP	09/24/06	0727	16.72	31.92
21						
22						
23						
24						
25						
26						
27						
28						
29						
30						
31						
32						

	QC LIMITS
S1 = Ortho-Terphenyl	(+/- 0.14 MINUTES)
S2 = Nonatriacontane	(+/- 0.28 MINUTES)

Column used to flag retention time values with an asterisk.
* Values outside of QC limits.

FORM VIII PRO

USEPA - 6010B
- 1 -
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-DP27-S4

Lab Name: Empirical Labs Contract: TetraTech NUS

Lab Code: ELABN Case No.: SAS No.: SDG: 0609057

Matrix: SOIL Lab Sample ID: 0609057-05

Level (low/med): LOW Date Sampled: 09/08/06

% Solids: 94.0 Date Received: 09/09/06

Concentration Units (ug/L or mg/kg dry weight): mg/Kg

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
7440-38-2	Arsenic	0.16	0.54	0.72			P
7440-43-9	Cadmium	0.054	0.27		U		P
7440-47-3	Chromium	0.11	0.54	3.7			P
7439-92-1	Lead	0.081	0.16	5.2			P

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

USEPA - 6010B
- 1 -
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-DUP01S

Lab Name: Empirical Labs Contract: TetraTech NUS

Lab Code: ELABN Case No.: SAS No.: SDG: 0609057

Matrix: SOIL Lab Sample ID: 0609057-07

Level (low/med): LOW Date Sampled: 09/08/06

% Solids: 94.0 Date Received: 09/09/06

Concentration Units (ug/L or mg/kg dry weight): mg/Kg

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
7440-38-2	Arsenic	0.15	0.49	0.62			P
7440-43-9	Cadmium	0.049	0.24		U		P
7440-47-3	Chromium	0.10	0.49	3.6			P
7439-92-1	Lead	0.073	0.15	4.7			P

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

USEPA - 6010B
- 1 -
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-DP29-S4

Lab Name: Empirical Labs Contract: TetraTech NUS

Lab Code: ELABN Case No.: SAS No.: SDG: 0609057

Matrix: SOIL Lab Sample ID: 0609057-08

Level (low/med): LOW Date Sampled: 09/08/06

% Solids: 94.0 Date Received: 09/09/06

Concentration Units (ug/L or mg/kg dry weight): mg/Kg

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
7440-38-2	Arsenic	0.15	0.51	1.8			P
7440-43-9	Cadmium	0.051	0.26		U		P
7440-47-3	Chromium	0.10	0.51	7.6			P
7439-92-1	Lead	0.077	0.15	3.0			P

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

USEPA - 6010B
- 1 -
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-DUP02S

Lab Name: Empirical Labs Contract: TetraTech NUS

Lab Code: ELABN Case No.: SAS No.: SDG: 0609057

Matrix: SOIL Lab Sample ID: 0609057-09

Level (low/med): LOW Date Sampled: 09/08/06

% Solids: 94.0 Date Received: 09/09/06

Concentration Units (ug/L or mg/kg dry weight): mg/Kg

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
7440-38-2	Arsenic	0.16	0.53	1.5			P
7440-43-9	Cadmium	0.053	0.27		U		P
7440-47-3	Chromium	0.11	0.53	6.6			P
7439-92-1	Lead	0.079	0.16	2.9			P

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

USEPA - 6010B
- 1 -
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-DP30-S8

Lab Name: Empirical Labs Contract: TetraTech NUS

Lab Code: ELABN Case No.: SAS No.: SDG: 0609057

Matrix: SOIL Lab Sample ID: 0609057-10

Level (low/med): LOW Date Sampled: 09/08/06

% Solids: 96.0 Date Received: 09/09/06

Concentration Units (ug/L or mg/kg dry weight): mg/Kg

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
7440-38-2	Arsenic	0.15	0.51	1.2			P
7440-43-9	Cadmium	0.051	0.26		U		P
7440-47-3	Chromium	0.10	0.51	4.8			P
7439-92-1	Lead	0.077	0.15	2.6			P

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

USEPA - 6010B
- 1 -
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-DP14-S20

Lab Name: Empirical Labs Contract: TetraTech NUS

Lab Code: ELABN Case No.: SAS No.: SDG: 0609057

Matrix: SOIL Lab Sample ID: 0609057-12

Level (low/med): LOW Date Sampled: 09/08/06

% Solids: 93.0 Date Received: 09/09/06

Concentration Units (ug/L or mg/kg dry weight): mg/Kg

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
7440-38-2	Arsenic	0.14	0.47	2.4			P
7440-43-9	Cadmium	0.047	0.23		U		P
7440-47-3	Chromium	0.09	0.47	12.7			P
7439-92-1	Lead	0.070	0.14	3.2			P

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

USEPA - 6010B
- 1 -
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-DPW1-S45

Lab Name: Empirical Labs Contract: TetraTech NUS

Lab Code: ELABN Case No.: SAS No.: SDG: 0609057

Matrix: SOIL Lab Sample ID: 0609057-14

Level (low/med): LOW Date Sampled: 09/08/06

% Solids: 91.0 Date Received: 09/09/06

Concentration Units (ug/L or mg/kg dry weight): mg/Kg

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
7440-22-4	Silver	0.11	0.56		U		P
7429-90-5	Aluminum	4.2	11.2	3800			P
7440-38-2	Arsenic	0.17	0.56	0.93			P
7440-39-3	Barium	0.28	11.2	6.9	I		P
7440-41-7	Beryllium	0.22	0.56		U		P
7440-70-2	Calcium	55.8	279	101	I		P
7440-43-9	Cadmium	0.056	0.28		U		P
7440-48-4	Cobalt	0.28	2.8		U		P
7440-47-3	Chromium	0.11	0.56	4.7			P
7440-50-8	Copper	0.28	1.4	1.7			P
7439-89-6	Iron	1.7	5.6	2960			P
7440-09-7	Potassium	55.8	279	215	I		P
7439-95-4	Magnesium	55.8	279	131	I		P
7439-96-5	Manganese	0.17	0.84	6.0			P

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

USEPA - 6010B

- 1 -

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-DPW1-S45

Lab Name: Empirical Labs Contract: TetraTech NUS

Lab Code: ELABN Case No.: SAS No.: SDG: 0609057

Matrix: SOIL Lab Sample ID: 0609057-14

Level (low/med): LOW Date Sampled: 09/08/06

% Solids: 91.0 Date Received: 09/09/06

Concentration Units (ug/L or mg/kg dry weight): mg/Kg

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
7440-23-5	Sodium	55.8	279		U		P
7440-02-0	Nickel	0.28	2.2	1.4	I		P
7439-92-1	Lead	0.084	0.17	2.7			P
7440-36-0	Antimony	0.28	3.3		U		P
7782-49-2	Selenium	0.28	0.56		U		P
7440-28-0	Thallium	0.22	0.56		U		P
7440-62-2	Vanadium	0.28	2.8	6.7			P
7440-66-6	Zinc	0.56	1.1	7.6			P

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

USEPA - 7471A

- 1 -

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-DPW1-S45

Lab Name: Empirical Labs Contract: TetraTech NUS

Lab Code: ELABN Case No.: SAS No.: SDG: 0609057

Matrix: SOIL Lab Sample ID: 0609057-14

Level (low/med): LOW Date Sampled: 09/08/06

% Solids: 91.0 Date Received: 09/09/06

Concentration Units (ug/L or mg/kg dry weight): mg/Kg

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
7439-97-6	Mercury	0.015	0.037		U		AV

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

USEPA - 9012A

- 1 -

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-DPW1-S45

Lab Name: Empirical Labs Contract: TetraTech NUS

Lab Code: ELABN Case No.: SAS No.: SDG: 0609057

Matrix: SOIL Lab Sample ID: 0609057-14

Level (low/med): LOW Date Sampled: 09/08/06

% Solids: 91.0 Date Received: 09/09/06

Concentration Units (ug/L or mg/kg dry weight): mg/Kg

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
57-12-5	Cyanide	0.14	0.28		U		AS

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

FORM 1
PCB ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-DP27-S4

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.P09057

Matrix: (soil/water) SOIL Lab Sample ID: 0609057-05

Sample wt/vol: 15.8 (g/mL) G Lab File ID: 022F2201

% Moisture: 6 decanted: (Y/N) N Date Sampled: 09/08/06 11:35

Extraction: (SepF/Cont/Sonc/Soxh) SOXH Date Extracted:09/19/06

Concentrated Extract Volume: 5.0(mL) Date Analyzed: 09/25/06 20:56

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: NA Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	MDL	RL	CONC	Q
12674-11-2	PCB-1016	4.2	17		U
11104-28-2	PCB-1221	4.2	17		U
11141-16-5	PCB-1232	4.2	17		U
53469-21-9	PCB-1242	4.2	17		U
12672-29-6	PCB-1248	4.2	17		U
11097-69-1	PCB-1254	4.2	17		U
11096-82-5	PCB-1260	4.2	17		U

FORM 1
PCB ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-DUP01S

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.P09057

Matrix: (soil/water) SOIL Lab Sample ID: 0609057-07

Sample wt/vol: 15.1 (g/mL) G Lab File ID: 023F2301

% Moisture: 6 decanted: (Y/N) N Date Sampled: 09/08/06 11:35

Extraction: (SepF/Cont/Sonc/Soxh) SOXH Date Extracted:09/19/06

Concentrated Extract Volume: 5.0(mL) Date Analyzed: 09/25/06 21:25

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: NA Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	MDL	RL	CONC	Q
12674-11-2	PCB-1016	4.4	18		U
11104-28-2	PCB-1221	4.4	18		U
11141-16-5	PCB-1232	4.4	18		U
53469-21-9	PCB-1242	4.4	18		U
12672-29-6	PCB-1248	4.4	18		U
11097-69-1	PCB-1254	4.4	18		U
11096-82-5	PCB-1260	4.4	18		U

FORM 1
PCB ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-DP29-S4

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.P09057

Matrix: (soil/water) SOIL Lab Sample ID: 0609057-08

Sample wt/vol: 15.1 (g/mL) G Lab File ID: 024F2401

% Moisture: 6 decanted: (Y/N) N Date Sampled: 09/08/06 15:03

Extraction: (SepF/Cont/Sonc/Soxh) SOXH Date Extracted:09/19/06

Concentrated Extract Volume: 5.0(mL) Date Analyzed: 09/25/06 21:53

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: NA Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	MDL	RL	CONC	Q
12674-11-2	PCB-1016	4.4	18		U
11104-28-2	PCB-1221	4.4	18		U
11141-16-5	PCB-1232	4.4	18		U
53469-21-9	PCB-1242	4.4	18		U
12672-29-6	PCB-1248	4.4	18		U
11097-69-1	PCB-1254	4.4	18		U
11096-82-5	PCB-1260	4.4	18		U

FORM 1
PCB ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-DUP02S

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.P09057

Matrix: (soil/water) SOIL Lab Sample ID: 0609057-09

Sample wt/vol: 15.1 (g/mL) G Lab File ID: 025F2501

% Moisture: 6 decanted: (Y/N) N Date Sampled: 09/08/06 15:03

Extraction: (SepF/Cont/Sonc/Soxh) SOXH Date Extracted:09/19/06

Concentrated Extract Volume: 5.0(mL) Date Analyzed: 09/25/06 22:22

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: NA Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	MDL	RL	CONC	Q
12674-11-2	PCB-1016	4.4	18		U
11104-28-2	PCB-1221	4.4	18		U
11141-16-5	PCB-1232	4.4	18		U
53469-21-9	PCB-1242	4.4	18		U
12672-29-6	PCB-1248	4.4	18		U
11097-69-1	PCB-1254	4.4	18		U
11096-82-5	PCB-1260	4.4	18		U

FORM 1
PCB ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-DP30-S8

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.P09057

Matrix: (soil/water) SOIL Lab Sample ID: 0609057-10

Sample wt/vol: 15.2 (g/mL) G Lab File ID: 026F2601

% Moisture: 5 decanted: (Y/N) N Date Sampled: 09/08/06 16:20

Extraction: (SepF/Cont/Sonc/Soxh) SOXH Date Extracted:09/19/06

Concentrated Extract Volume: 5.0(mL) Date Analyzed: 09/25/06 22:50

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: NA Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	MDL	RL	CONC	Q
12674-11-2	PCB-1016	4.3	17		U
11104-28-2	PCB-1221	4.3	17		U
11141-16-5	PCB-1232	4.3	17		U
53469-21-9	PCB-1242	4.3	17		U
12672-29-6	PCB-1248	4.3	17		U
11097-69-1	PCB-1254	4.3	17		U
11096-82-5	PCB-1260	4.3	17		U

FORM 1
PCB ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-DP14-S20

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.P09057

Matrix: (soil/water) SOIL Lab Sample ID: 0609057-12

Sample wt/vol: 15.5 (g/mL) G Lab File ID: 027F2701

% Moisture: 7 decanted: (Y/N) N Date Sampled: 09/08/06 10:15

Extraction: (SepF/Cont/Sonc/Soxh) SOXH Date Extracted:09/19/06

Concentrated Extract Volume: 5.0(mL) Date Analyzed: 09/25/06 23:19

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: NA Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	MDL	RL	CONC	Q
12674-11-2	PCB-1016	4.3	17		U
11104-28-2	PCB-1221	4.3	17		U
11141-16-5	PCB-1232	4.3	17		U
53469-21-9	PCB-1242	4.3	17		U
12672-29-6	PCB-1248	4.3	17		U
11097-69-1	PCB-1254	4.3	17		U
11096-82-5	PCB-1260	4.3	17		U

FORM 1
PCB ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-DPW1-S45

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.P09057

Matrix: (soil/water) SOIL Lab Sample ID: 0609057-14

Sample wt/vol: 15.3 (g/mL) G Lab File ID: 031F3101

% Moisture: 9 decanted: (Y/N) N Date Sampled: 09/08/06 14:30

Extraction: (SepF/Cont/Sonc/Soxh) SOXH Date Extracted:09/19/06

Concentrated Extract Volume: 5.0(mL) Date Analyzed: 09/26/06 01:13

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: NA Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	MDL	RL	CONC	Q
12674-11-2	PCB-1016	4.5	18		U
11104-28-2	PCB-1221	4.5	18		U
11141-16-5	PCB-1232	4.5	18		U
53469-21-9	PCB-1242	4.5	18		U
12672-29-6	PCB-1248	4.5	18		U
11097-69-1	PCB-1254	4.5	18		U
11096-82-5	PCB-1260	4.5	18		U

FORM 1
PRO ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-DP25-S10

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.F09057

Matrix: (soil/water) SOIL Lab Sample ID: 0609057-01

Sample wt/vol: 25.1 (g/mL) G Lab File ID: 006R0201

% Moisture: 18 decanted: (Y/N) N Date Sampled: 09/08/06 08:25

Extraction: (SepF/Cont/Sonc/Soxh) SONC Date Extracted:09/19/06

Concentrated Extract Volume: 2.0(mL) Date Analyzed: 09/23/06 10:59

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS: (ug/L or ug/Kg) MG/KG

CAS NO.	COMPOUND	MDL	RL	CONC	Q
	PRO-8-40------Petroleum Range	12	37		U

FORM 1
PRO ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-DP26-56

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.F09057

Matrix: (soil/water) SOIL Lab Sample ID: 0609057-04

Sample wt/vol: 25.3 (g/mL) G Lab File ID: 007R0201

% Moisture: 7 decanted: (Y/N) N Date Sampled: 09/08/06 10:44

Extraction: (SepF/Cont/Sonc/Soxh) SONC Date Extracted:09/19/06

Concentrated Extract Volume: 2.0(mL) Date Analyzed: 09/23/06 11:41

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS: (ug/L or ug/Kg) MG/KG

CAS NO.	COMPOUND	MDL	RL	CONC	Q
	PRO-8-40------Petroleum Range	10	32		U

FORM 1
PRO ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-DP27-S4

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.F09057

Matrix: (soil/water) SOIL Lab Sample ID: 0609057-05

Sample wt/vol: 25.2 (g/mL) G Lab File ID: 008R0201

% Moisture: 6 decanted: (Y/N) N Date Sampled: 09/08/06 11:35

Extraction: (SepF/Cont/Sonc/Soxh) SONC Date Extracted:09/19/06

Concentrated Extract Volume: 2.0(mL) Date Analyzed: 09/23/06 12:23

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS: (ug/L or ug/Kg) MG/KG

CAS NO.	COMPOUND	MDL	RL	CONC	Q
	PRO-8-40------Petroleum Range	10	32	12	I

FORM 1
PRO ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-DP28-S8

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.F09057

Matrix: (soil/water) SOIL Lab Sample ID: 0609057-06

Sample wt/vol: 25.0 (g/mL) G Lab File ID: 009R0201

% Moisture: 5 decanted: (Y/N) N Date Sampled: 09/08/06 14:08

Extraction: (SepF/Cont/Sonc/Soxh) SONC Date Extracted:09/19/06

Concentrated Extract Volume: 2.0(mL) Date Analyzed: 09/23/06 13:06

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS: (ug/L or ug/Kg) MG/KG

CAS NO.	COMPOUND	MDL	RL	CONC	Q
	PRO-8-40------Petroleum Range	10	31		U

FORM 1
PRO ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-DUP01S

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.F09057

Matrix: (soil/water) SOIL Lab Sample ID: 0609057-07

Sample wt/vol: 25.5 (g/mL) G Lab File ID: 010R0201

% Moisture: 6 decanted: (Y/N) N Date Sampled: 09/08/06 11:35

Extraction: (SepF/Cont/Sonc/Soxh) SONC Date Extracted:09/19/06

Concentrated Extract Volume: 2.0(mL) Date Analyzed: 09/23/06 13:48

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS: (ug/L or ug/Kg) MG/KG

CAS NO.	COMPOUND	MDL	RL	CONC	Q
	PRO-8-40------Petroleum Range	10	31		U

FORM 1
PRO ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-DP29-S4

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.F09057

Matrix: (soil/water) SOIL Lab Sample ID: 0609057-08

Sample wt/vol: 25.6 (g/mL) G Lab File ID: 011R0201

% Moisture: 6 decanted: (Y/N) N Date Sampled: 09/08/06 15:03

Extraction: (SepF/Cont/Sonc/Soxh) SONC Date Extracted:09/19/06

Concentrated Extract Volume: 2.0(mL) Date Analyzed: 09/23/06 14:30

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) MG/KG MDL	RL	CONC	Q
	PRO-8-40------Petroleum Range	10	31		U

FORM 1
PRO ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-DUP02S

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.F09057

Matrix: (soil/water) SOIL Lab Sample ID: 0609057-09

Sample wt/vol: 25.2 (g/mL) G Lab File ID: 012R0201

% Moisture: 6 decanted: (Y/N) N Date Sampled: 09/08/06 15:03

Extraction: (SepF/Cont/Sonc/Soxh) SONC Date Extracted:09/19/06

Concentrated Extract Volume: 2.0(mL) Date Analyzed: 09/23/06 15:12

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) MG/KG MDL	RL	CONC	Q
	PRO-8-40------Petroleum Range	10	32	11	I

FORM 1
PRO ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-DP30-S8

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.F09057

Matrix: (soil/water) SOIL Lab Sample ID: 0609057-10

Sample wt/vol: 25.4 (g/mL) G Lab File ID: 014R0201

% Moisture: 5 decanted: (Y/N) N Date Sampled: 09/08/06 16:20

Extraction: (SepF/Cont/Sonc/Soxh) SONC Date Extracted:09/19/06

Concentrated Extract Volume: 2.0(mL) Date Analyzed: 09/23/06 16:36

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS: (ug/L or ug/Kg) MG/KG

CAS NO.	COMPOUND	MDL	RL	CONC	Q
	PRO-8-40------Petroleum Range	10	31		U

FORM 1
PRO ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-DP13-S20

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.F09057

Matrix: (soil/water) SOIL Lab Sample ID: 0609057-11

Sample wt/vol: 25.2 (g/mL) G Lab File ID: 015R0201

% Moisture: 9 decanted: (Y/N) N Date Sampled: 09/08/06 09:00

Extraction: (SepF/Cont/Sonc/Soxh) SONC Date Extracted:09/19/06

Concentrated Extract Volume: 2.0(mL) Date Analyzed: 09/23/06 17:18

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS: (ug/L or ug/Kg) MG/KG

CAS NO.	COMPOUND	MDL	RL	CONC	Q
	PRO-8-40------Petroleum Range	11	32		U

FORM 1
PRO ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-DP14-S20

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.F09057

Matrix: (soil/water) SOIL Lab Sample ID: 0609057-12

Sample wt/vol: 25.2 (g/mL) G Lab File ID: 016R0201

% Moisture: 7 decanted: (Y/N) N Date Sampled: 09/08/06 10:15

Extraction: (SepF/Cont/Sonc/Soxh) SONC Date Extracted:09/19/06

Concentrated Extract Volume: 2.0(mL) Date Analyzed: 09/23/06 18:01

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) MG/KG MDL	RL	CONC	Q
	PRO-8-40------Petroleum Range	11	32		U

FORM 1
PRO ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-DP15-S20

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.F09057

Matrix: (soil/water) SOIL Lab Sample ID: 0609057-13

Sample wt/vol: 25.4 (g/mL) G Lab File ID: 017R0201

% Moisture: 7 decanted: (Y/N) N Date Sampled: 09/08/06 11:20

Extraction: (SepF/Cont/Sonc/Soxh) SONC Date Extracted:09/19/06

Concentrated Extract Volume: 2.0(mL) Date Analyzed: 09/23/06 18:43

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS: (ug/L or ug/Kg) MG/KG

CAS NO.	COMPOUND	MDL	RL	CONC	Q
	PRO-8-40------Petroleum Range	11	32		U

FORM 1
PRO ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-DPW1-S45

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.F09057

Matrix: (soil/water) SOIL Lab Sample ID: 0609057-14

Sample wt/vol: 25.2 (g/mL) G Lab File ID: 018R0201

% Moisture: 9 decanted: (Y/N) N Date Sampled: 09/08/06 14:30

Extraction: (SepF/Cont/Sonc/Soxh) SONC Date Extracted:09/19/06

Concentrated Extract Volume: 2.0(mL) Date Analyzed: 09/23/06 19:25

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) MG/KG MDL	RL	CONC	Q
	PRO-8-40------Petroleum Range	11	33	12	I

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-DP25-S10

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.V09057

Matrix: (soil/water) SOIL Lab Sample ID: 0609057-01

Sample wt/vol: 5.0 (g/mL) G Lab File ID: 0905701A

Level: (low/med) LOW Date Sampled: 09/08/06 08:25

% Moisture: not dec. 18 Date Analyzed: 09/15/06 11:39

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG MDL	RL	CONC	Q
71-43-2	Benzene	0.57	6.1		U
100-41-4	Ethylbenzene	0.91	6.1		U
1634-04-4	MTBE	0.39	6.1		U
108-88-3	Toluene	1.0	6.1		U
108-38-3	m,p-Xylene	1.8	6.1		U
95-47-6	o-Xylene	0.85	6.1		U
1330-20-7	Xylene(total)	0.85	6.1		U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-TB03

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.V09057

Matrix: (soil/water) WATER Lab Sample ID: 0609057-02

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 0905702

Level: (low/med) LOW Date Sampled: 09/08/06 08:25

% Moisture: not dec. _____ Date Analyzed: 09/21/06 21:30

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
67-64-1	Acetone	1.1	10		U
75-05-8	Acetonitrile	0.20	5.0		U
107-02-8	Acrolein	4.1	5.0		U
107-13-1	Acrylonitrile	0.95	5.0		U
107-05-1	Allyl chloride	0.20	1.0		U
71-43-2	Benzene	0.11	1.0		U
75-27-4	Bromodichloromethane	0.24	1.0		U
75-25-2	Bromoform	0.24	1.0		U
74-83-9	Bromomethane	0.33	2.0		U
78-93-3	2-Butanone	1.2	10		U
75-15-0	Carbon disulfide	0.13	1.0		U
56-23-5	Carbon tetrachloride	0.14	1.0		U
108-90-7	Chlorobenzene	0.28	1.0		U
75-00-3	Chloroethane	0.38	2.0		U
110-75-8	2-Chloroethyl vinyl ether	0.53	5.0		U
67-66-3	Chloroform	0.15	1.0		U
74-87-3	Chloromethane	0.18	2.0		U
126-99-8	Chloroprene	0.20	1.0		U
110-82-7	Cyclohexane	0.18	2.0		U
124-48-1	Dibromochloromethane	0.20	1.0		U
96-12-8	1,2-Dibromo-3-chloropropane	0.28	2.0		U
106-93-4	1,2-Dibromoethane	0.14	1.0		U
74-95-3	Dibromomethane	0.14	1.0		U
95-50-1	1,2-Dichlorobenzene	0.17	1.0		U
541-73-1	1,3-Dichlorobenzene	0.21	1.0		U
106-46-7	1,4-Dichlorobenzene	0.12	1.0		U
110-57-6	trans-1,4-Dichloro-2-butene	0.60	5.0		U
75-71-8	Dichlorodifluoromethane	0.24	2.0		U
75-34-3	1,1-Dichloroethane	0.15	1.0		U
107-06-2	1,2-Dichloroethane	0.15	1.0		U
75-35-4	1,1-Dichloroethene	0.42	1.0		U
156-59-2	cis-1,2-Dichloroethene	0.44	1.0		U
156-60-5	trans-1,2-Dichloroethene	0.40	1.0		U
78-87-5	1,2-Dichloropropane	0.18	1.0		U
10061-01-5	cis-1,3-Dichloropropene	0.13	1.0		U
10061-02-6	trans-1,3-Dichloropropene	0.22	1.0		U
123-91-1	1,4-Dioxane	0.20	20		U
100-41-4	Ethylbenzene	0.14	1.0		U
97-63-2	Ethyl methacrylate	0.21	1.0		U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-TB03

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.V09057

Matrix: (soil/water) WATER Lab Sample ID: 0609057-02

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 0905702

Level: (low/med) LOW Date Sampled: 09/08/06 08:25

% Moisture: not dec. _____ Date Analyzed: 09/21/06 21:30

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
591-78-6	2-Hexanone	0.83	5.0		U
74-88-4	Iodomethane	0.19	5.0		U
78-83-1	Isobutyl alcohol	0.20	10		U
98-82-8	Isopropylbenzene	0.25	1.0		U
126-98-7	Methacrylonitrile	0.20	5.0		U
79-20-9	Methyl acetate	0.87	1.0		U
108-87-2	Methyl cyclohexane	0.20	1.0		U
75-09-2	Methylene chloride	0.26	2.0		U
80-62-6	Methyl methacrylate	0.35	1.0		U
1634-04-4	MTBE	0.17	1.0		U
108-10-1	4-Methyl-2-pentanone	1.4	5.0		U
107-12-0	Propionitrile	0.20	5.0		U
100-42-5	Styrene	0.22	1.0		U
630-20-6	1,1,1,2-Tetrachloroethane	0.19	1.0		U
79-34-5	1,1,2,2-Tetrachloroethane	0.22	1.0		U
127-18-4	Tetrachloroethene	0.14	1.0		U
108-88-3	Toluene	0.18	1.0		U
87-61-6	1,2,3-Trichlorobenzene	0.16	1.0		U
120-82-1	1,2,4-Trichlorobenzene	0.14	1.0		U
71-55-6	1,1,1-Trichloroethane	0.15	1.0		U
79-00-5	1,1,2-Trichloroethane	0.17	1.0		U
79-01-6	Trichloroethene	0.28	1.0		U
76-13-1	Trichlorotrifluoroethane	0.22	1.0		U
75-69-4	Trichlorofluoromethane	0.15	2.0		U
96-18-4	1,2,3-Trichloropropane	0.31	1.0		U
108-05-4	Vinyl acetate	1.3	5.0		U
75-01-4	Vinyl chloride	0.19	1.0		U
108-38-3	m,p-Xylene	0.26	1.0		U
95-47-6	o-Xylene	0.21	1.0		U
1330-20-7	Xylene(total)	0.21	1.0		U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-FB01

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.V09057

Matrix: (soil/water) WATER Lab Sample ID: 0609057-03

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 0905703

Level: (low/med) LOW Date Sampled: 09/08/06 08:25

% Moisture: not dec. _____ Date Analyzed: 09/21/06 22:02

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
71-43-2	Benzene	0.11	1.0		U
100-41-4	Ethylbenzene	0.14	1.0		U
1634-04-4	MTBE	0.17	1.0		U
108-88-3	Toluene	0.18	1.0		U
108-38-3	m,p-Xylene	0.26	1.0		U
95-47-6	o-Xylene	0.21	1.0		U
1330-20-7	Xylene(total)	0.21	1.0		U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-DP26-56

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.V09057

Matrix: (soil/water) SOIL Lab Sample ID: 0609057-04

Sample wt/vol: 5.3 (g/mL) G Lab File ID: 0905704A

Level: (low/med) LOW Date Sampled: 09/08/06 10:44

% Moisture: not dec. 7 Date Analyzed: 09/15/06 12:15

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	MDL	RL	CONC	Q
71-43-2	Benzene	0.47	5.0		U
100-41-4	Ethylbenzene	0.75	5.0		U
1634-04-4	MTBE	0.32	5.0		U
108-88-3	Toluene	0.86	5.0		U
108-38-3	m,p-Xylene	1.5	5.0		U
95-47-6	o-Xylene	0.70	5.0		U
1330-20-7	Xylene(total)	0.70	5.0		U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-DP27-S4

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.V09057

Matrix: (soil/water) SOIL Lab Sample ID: 0609057-05

Sample wt/vol: 5.1 (g/mL) G Lab File ID: 0905705A

Level: (low/med) LOW Date Sampled: 09/08/06 11:35

% Moisture: not dec. 6 Date Analyzed: 09/15/06 22:40

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	MDL	RL	CONC	Q
71-43-2	Benzene	0.49	5.2		U
100-41-4	Ethylbenzene	0.78	5.2		U
1634-04-4	MTBE	0.33	5.2		U
108-88-3	Toluene	0.89	5.2		U
108-38-3	m,p-Xylene	1.6	5.2		U
95-47-6	o-Xylene	0.73	5.2		U
1330-20-7	Xylene(total)	0.73	5.2		U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-DP28-S8

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.V09057

Matrix: (soil/water) SOIL Lab Sample ID: 0609057-06

Sample wt/vol: 4.8 (g/mL) G Lab File ID: 0905706A

Level: (low/med) LOW Date Sampled: 09/08/06 14:08

% Moisture: not dec. 5 Date Analyzed: 09/15/06 23:17

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	MDL	RL	CONC	Q
71-43-2	Benzene	0.52	5.5		U
100-41-4	Ethylbenzene	0.83	5.5		U
1634-04-4	MTBE	0.35	5.5		U
108-88-3	Toluene	0.95	5.5		U
108-38-3	m,p-Xylene	1.6	5.5		U
95-47-6	o-Xylene	0.77	5.5		U
1330-20-7	Xylene(total)	0.77	5.5		U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-DUP01S

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.V09057

Matrix: (soil/water) SOIL Lab Sample ID: 0609057-07

Sample wt/vol: 5.2 (g/mL) G Lab File ID: 0905707A

Level: (low/med) LOW Date Sampled: 09/08/06 11:35

% Moisture: not dec. 6 Date Analyzed: 09/15/06 23:54

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	MDL	RL	CONC	Q
71-43-2	Benzene	0.48	5.1		U
100-41-4	Ethylbenzene	0.76	5.1		U
1634-04-4	MTBE	0.32	5.1		U
108-88-3	Toluene	0.87	5.1		U
108-38-3	m,p-Xylene	1.5	5.1		U
95-47-6	o-Xylene	0.71	5.1		U
1330-20-7	Xylene(total)	0.71	5.1		U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-DP29-S4

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.V09057

Matrix: (soil/water) SOIL Lab Sample ID: 0609057-08

Sample wt/vol: 4.5 (g/mL) G Lab File ID: 0905708A

Level: (low/med) LOW Date Sampled: 09/08/06 15:03

% Moisture: not dec. 6 Date Analyzed: 09/16/06 00:30

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	MDL	RL	CONC	Q
71-43-2	Benzene	0.55	5.9		U
100-41-4	Ethylbenzene	0.88	5.9		U
1634-04-4	MTBE	0.38	5.9		U
108-88-3	Toluene	1.0	5.9		U
108-38-3	m,p-Xylene	1.8	5.9		U
95-47-6	o-Xylene	0.82	5.9		U
1330-20-7	Xylene(total)	0.82	5.9		U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-DUP02S

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.V09057

Matrix: (soil/water) SOIL Lab Sample ID: 0609057-09

Sample wt/vol: 4.9 (g/mL) G Lab File ID: 0905709A

Level: (low/med) LOW Date Sampled: 09/08/06 15:03

% Moisture: not dec. 6 Date Analyzed: 09/16/06 01:07

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	MDL	RL	CONC	Q
71-43-2	Benzene	0.51	5.4		U
100-41-4	Ethylbenzene	0.81	5.4		U
1634-04-4	MTBE	0.34	5.4		U
108-88-3	Toluene	0.93	5.4		U
108-38-3	m,p-Xylene	1.6	5.4		U
95-47-6	o-Xylene	0.75	5.4		U
1330-20-7	Xylene(total)	0.75	5.4		U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-DP30-S8

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.V09057

Matrix: (soil/water) SOIL Lab Sample ID: 0609057-10

Sample wt/vol: 5.3 (g/mL) G Lab File ID: 0905710A

Level: (low/med) LOW Date Sampled: 09/08/06 16:20

% Moisture: not dec. 5 Date Analyzed: 09/16/06 01:43

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	MDL	RL	CONC	Q
71-43-2	Benzene	0.46	4.9		U
100-41-4	Ethylbenzene	0.74	4.9		U
1634-04-4	MTBE	0.31	4.9		U
108-88-3	Toluene	0.85	4.9		U
108-38-3	m,p-Xylene	1.5	4.9		U
95-47-6	o-Xylene	0.69	4.9		U
1330-20-7	Xylene(total)	0.69	4.9		U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-DP13-S20

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.V09057

Matrix: (soil/water) SOIL Lab Sample ID: 0609057-11

Sample wt/vol: 5.4 (g/mL) G Lab File ID: 0905711A

Level: (low/med) LOW Date Sampled: 09/08/06 09:00

% Moisture: not dec. 9 Date Analyzed: 09/15/06 16:33

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	MDL	RL	CONC	Q
71-43-2	Benzene	0.48	5.1		U
100-41-4	Ethylbenzene	0.76	5.1		U
1634-04-4	MTBE	0.33	5.1		U
108-88-3	Toluene	0.88	5.1		U
108-38-3	m,p-Xylene	1.5	5.1		U
95-47-6	o-Xylene	0.71	5.1		U
1330-20-7	Xylene(total)	0.71	5.1		U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-DP14-S20

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.V09057

Matrix: (soil/water) SOIL Lab Sample ID: 0609057-12

Sample wt/vol: 5.7 (g/mL) G Lab File ID: 0905712B

Level: (low/med) LOW Date Sampled: 09/08/06 10:15

% Moisture: not dec. 7 Date Analyzed: 09/21/06 10:54

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	MDL	RL	CONC	Q
107-02-8	Acrolein	4.8	23		U
107-13-1	Acrylonitrile	1.3	23		U
71-43-2	Benzene	0.44	4.7		U
75-27-4	Bromodichloromethane	0.28	4.7		U
75-25-2	Bromoform	0.93	4.7		U
74-83-9	Bromomethane	0.67	9.3		U
56-23-5	Carbon tetrachloride	0.82	4.7		U
108-90-7	Chlorobenzene	2.3	4.7		U
75-00-3	Chloroethane	1.0	9.3		U
110-75-8	2-Chloroethyl vinyl ether	0.77	23		U
67-66-3	Chloroform	0.51	4.7		U
74-87-3	Chloromethane	0.48	9.3		U
124-48-1	Dibromochloromethane	0.32	4.7		U
95-50-1	1,2-Dichlorobenzene	0.34	4.7		U
541-73-1	1,3-Dichlorobenzene	0.78	4.7		U
106-46-7	1,4-Dichlorobenzene	0.51	4.7		U
75-34-3	1,1-Dichloroethane	0.50	4.7		U
107-06-2	1,2-Dichloroethane	0.43	4.7		U
75-35-4	1,1-Dichloroethene	1.1	4.7		U
156-59-2	cis-1,2-Dichloroethene	1.1	4.7		U
156-60-5	trans-1,2-Dichloroethene	1.0	4.7		U
78-87-5	1,2-Dichloropropane	0.43	4.7		U
10061-01-5	cis-1,3-Dichloropropene	0.47	4.7		U
10061-02-6	trans-1,3-Dichloropropene	0.30	4.7		U
100-41-4	Ethylbenzene	0.70	4.7		U
75-09-2	Methylene chloride	0.58	9.3		U
1634-04-4	MTBE	0.30	4.7		U
79-34-5	1,1,2,2-Tetrachloroethane	0.40	4.7		U
127-18-4	Tetrachloroethene	0.91	4.7		U
108-88-3	Toluene	0.80	4.7		U
71-55-6	1,1,1-Trichloroethane	0.84	4.7		U
79-00-5	1,1,2-Trichloroethane	0.33	4.7		U
79-01-6	Trichloroethene	0.79	4.7		U
75-69-4	Trichlorofluoromethane	0.89	9.3		U
75-01-4	Vinyl chloride	1.0	6.5		U
108-38-3	m,p-Xylene	1.4	4.7		U
95-47-6	o-Xylene	0.65	4.7		U
1330-20-7	Xylene(total)	0.65	4.7		U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-DP15-S20

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.V09057

Matrix: (soil/water) SOIL Lab Sample ID: 0609057-13

Sample wt/vol: 5.3 (g/mL) G Lab File ID: 0905713A

Level: (low/med) LOW Date Sampled: 09/08/06 11:20

% Moisture: not dec. 7 Date Analyzed: 09/16/06 02:20

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	MDL	RL	CONC	Q
71-43-2	Benzene	0.48	5.1		U
100-41-4	Ethylbenzene	0.76	5.1		U
1634-04-4	MTBE	0.32	5.1		U
108-88-3	Toluene	0.87	5.1		U
108-38-3	m,p-Xylene	1.5	5.1		U
95-47-6	o-Xylene	0.71	5.1		U
1330-20-7	Xylene(total)	0.71	5.1		U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-DPW1-S45

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.V09057

Matrix: (soil/water) SOIL Lab Sample ID: 0609057-14

Sample wt/vol: 5.5 (g/mL) G Lab File ID: 0905714A

Level: (low/med) LOW Date Sampled: 09/08/06 14:30

% Moisture: not dec. 9 Date Analyzed: 09/15/06 10:25

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	MDL	RL	CONC	Q
67-64-1	Acetone	2.0	50	2.4	I
75-05-8	Acetonitrile	0.50	20		U
107-02-8	Acrolein	5.2	25		U
107-13-1	Acrylonitrile	1.4	25		U
107-05-1	Allyl chloride	0.50	5.0		U
71-43-2	Benzene	0.47	5.0		U
75-27-4	Bromodichloromethane	0.30	5.0		U
75-25-2	Bromoform	1.0	5.0		U
74-83-9	Bromomethane	0.72	10		U
78-93-3	2-Butanone	1.4	50		U
75-15-0	Carbon disulfide	1.3	5.0		U
56-23-5	Carbon tetrachloride	0.88	5.0		U
108-90-7	Chlorobenzene	2.5	5.0		U
75-00-3	Chloroethane	1.1	10		U
67-66-3	Chloroform	0.55	5.0		U
74-87-3	Chloromethane	0.52	10		U
126-99-8	Chloroprene	0.50	5.0		U
110-82-7	Cyclohexane	0.54	10		U
124-48-1	Dibromochloromethane	0.34	5.0		U
96-12-8	1,2-Dibromo-3-chloropropane	1.2	10		U
106-93-4	1,2-Dibromoethane	0.43	5.0		U
74-95-3	Dibromomethane	0.41	5.0		U
95-50-1	1,2-Dichlorobenzene	0.37	5.0		U
541-73-1	1,3-Dichlorobenzene	0.84	5.0		U
106-46-7	1,4-Dichlorobenzene	0.55	5.0		U
110-57-6	trans-1,4-Dichloro-2-butene	8.0	25		U
75-71-8	Dichlorodifluoromethane	1.1	10		U
75-34-3	1,1-Dichloroethane	0.54	5.0		U
107-06-2	1,2-Dichloroethane	0.46	5.0		U
75-35-4	1,1-Dichloroethene	1.2	5.0		U
156-59-2	cis-1,2-Dichloroethene	1.2	5.0		U
156-60-5	trans-1,2-Dichloroethene	1.1	5.0		U
78-87-5	1,2-Dichloropropane	0.46	5.0		U
10061-01-5	cis-1,3-Dichloropropene	0.50	5.0		U
10061-02-6	trans-1,3-Dichloropropene	0.32	5.0		U
123-91-1	1,4-Dioxane	0.50	40		U
100-41-4	Ethylbenzene	0.75	5.0		U
97-63-2	Ethyl methacrylate	0.26	5.0		U
591-78-6	2-Hexanone	2.3	25		U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-DPW1-S45

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.V09057

Matrix: (soil/water) SOIL Lab Sample ID: 0609057-14

Sample wt/vol: 5.5 (g/mL) G Lab File ID: 0905714A

Level: (low/med) LOW Date Sampled: 09/08/06 14:30

% Moisture: not dec. 9 Date Analyzed: 09/15/06 10:25

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	MDL	RL	CONC	Q
74-88-4	Iodomethane	0.83	25		U
78-83-1	Isobutyl alcohol	0.50	40		U
98-82-8	Isopropylbenzene	0.88	5.0		U
79-20-9	Methyl acetate	1.6	5.0		U
126-98-7	Methacrylonitrile	0.50	20		U
108-87-2	Methyl cyclohexane	0.30	5.0		U
75-09-2	Methylene chloride	0.62	10		U
80-62-6	Methyl methacrylate	0.45	5.0		U
1634-04-4	MTBE	0.32	5.0		U
108-10-1	4-Methyl-2-pentanone	0.58	25		U
107-12-0	Propionitrile	0.50	20		U
100-42-5	Styrene	0.35	5.0		U
630-20-6	1,1,1,2-Tetrachloroethane	0.32	5.0		U
79-34-5	1,1,2,2-Tetrachloroethane	0.43	5.0		U
127-18-4	Tetrachloroethene	0.98	5.0		U
108-88-3	Toluene	0.86	5.0		U
87-61-6	1,2,3-Trichlorobenzene	0.42	5.0		U
120-82-1	1,2,4-Trichlorobenzene	0.18	5.0		U
71-55-6	1,1,1-Trichloroethane	0.90	5.0		U
79-00-5	1,1,2-Trichloroethane	0.35	5.0		U
79-01-6	Trichloroethene	0.85	5.0		U
76-13-1	Trichlorotrifluoroethane	0.55	5.0		U
75-69-4	Trichlorofluoromethane	0.96	10		U
96-18-4	1,2,3-Trichloropropane	0.70	5.0		U
108-05-4	Vinyl acetate	0.55	25		U
75-01-4	Vinyl chloride	1.1	7.0		U
108-38-3	m,p-Xylene	1.5	5.0		U
95-47-6	o-Xylene	0.70	5.0		U
1330-20-7	Xylene(total)	0.70	5.0		U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.
OLFS4-DP
W-G53-55

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.V09057

Matrix: (soil/water) WATER Lab Sample ID: 0609057-15

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 0905715D

Level: (low/med) LOW Date Sampled: 09/08/06 15:30

% Moisture: not dec. _____ Date Analyzed: 09/21/06 22:34

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 5.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
67-64-1	Acetone	5.4	50		UD
75-05-8	Acetonitrile	1.0	25		UD
107-02-8	Acrolein	20	25		UD
107-13-1	Acrylonitrile	4.8	25		UD
107-05-1	Allyl chloride	1.0	5.0		UD
71-43-2	Benzene	0.55	5.0	26	D
75-27-4	Bromodichloromethane	1.2	5.0		UD
75-25-2	Bromoform	1.2	5.0		UD
74-83-9	Bromomethane	1.6	10		UD
78-93-3	2-Butanone	6.2	50		UD
75-15-0	Carbon disulfide	0.65	5.0		UD
56-23-5	Carbon tetrachloride	0.70	5.0		UD
108-90-7	Chlorobenzene	1.4	5.0		UD
75-00-3	Chloroethane	1.9	10		UD
67-66-3	Chloroform	0.75	5.0		UD
74-87-3	Chloromethane	0.90	10		UD
126-99-8	Chloroprene	1.0	5.0		UD
110-82-7	Cyclohexane	0.90	10	1.3	ID
124-48-1	Dibromochloromethane	1.0	5.0		UD
96-12-8	1,2-Dibromo-3-chloropropane	1.4	10		UD
106-93-4	1,2-Dibromoethane	0.70	5.0		UD
74-95-3	Dibromomethane	0.70	5.0		UD
95-50-1	1,2-Dichlorobenzene	0.85	5.0		UD
541-73-1	1,3-Dichlorobenzene	1.0	5.0		UD
106-46-7	1,4-Dichlorobenzene	0.60	5.0		UD
110-57-6	trans-1,4-Dichloro-2-butene	3.0	25		UD
75-71-8	Dichlorodifluoromethane	1.2	10		UD
75-34-3	1,1-Dichloroethane	0.75	5.0	27	D
107-06-2	1,2-Dichloroethane	0.75	5.0		UD
75-35-4	1,1-Dichloroethene	2.1	5.0		UD
156-59-2	cis-1,2-Dichloroethene	2.2	5.0	350	D
156-60-5	trans-1,2-Dichloroethene	2.0	5.0		UD
78-87-5	1,2-Dichloropropane	0.90	5.0		UD
10061-01-5	cis-1,3-Dichloropropene	0.65	5.0		UD
10061-02-6	trans-1,3-Dichloropropene	1.1	5.0		UD
123-91-1	1,4-Dioxane	1.0	100		UD
100-41-4	Ethylbenzene	0.70	5.0	8.2	D
97-63-2	Ethyl methacrylate	1.0	5.0		UD
591-78-6	2-Hexanone	4.2	25		UD

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.
OLFS4-DP
W-G53-55

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.V09057

Matrix: (soil/water) WATER Lab Sample ID: 0609057-15

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 0905715D

Level: (low/med) LOW Date Sampled: 09/08/06 15:30

% Moisture: not dec. _____ Date Analyzed: 09/21/06 22:34

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 5.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
74-88-4	Iodomethane	0.95	25		UD
78-83-1	Isobutyl alcohol	1.0	50		UD
98-82-8	Isopropylbenzene	1.2	5.0	1.9	ID
79-20-9	Methyl acetate	4.4	5.0		UD
126-98-7	Methacrylonitrile	1.0	25		UD
108-87-2	Methyl cyclohexane	1.0	5.0		UD
75-09-2	Methylene chloride	1.3	10		UD
80-62-6	Methyl methacrylate	1.8	5.0		UD
1634-04-4	MTBE	0.85	5.0		UD
108-10-1	4-Methyl-2-pentanone	7.2	25		UD
107-12-0	Propionitrile	1.0	25		UD
100-42-5	Styrene	1.1	5.0		UD
630-20-6	1,1,1,2-Tetrachloroethane	0.95	5.0		UD
79-34-5	1,1,2,2-Tetrachloroethane	1.1	5.0		UD
127-18-4	Tetrachloroethene	0.70	5.0		UD
108-88-3	Toluene	0.90	5.0	2.7	ID
87-61-6	1,2,3-Trichlorobenzene	0.80	5.0		UD
120-82-1	1,2,4-Trichlorobenzene	0.70	5.0		UD
71-55-6	1,1,1-Trichloroethane	0.75	5.0		UD
79-00-5	1,1,2-Trichloroethane	0.85	5.0		UD
79-01-6	Trichloroethene	1.4	5.0		UD
76-13-1	Trichlorotrifluoroethane	1.1	5.0		UD
75-69-4	Trichlorofluoromethane	0.75	10		UD
96-18-4	1,2,3-Trichloropropane	1.6	5.0		UD
108-05-4	Vinyl acetate	6.5	25		UD
75-01-4	Vinyl chloride	0.95	5.0		UD
108-38-3	m,p-Xylene	1.3	5.0	39	D
95-47-6	o-Xylene	1.0	5.0	2.1	ID
1330-20-7	Xylene(total)	1.0	5.0	39	D

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-DPW10-S45

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.B09061

Matrix: (soil/water) SOIL Lab Sample ID: 0609061-05

Sample wt/vol: 15.7 (g/mL) G Lab File ID: 0906105

% Moisture: 15 decanted: (Y/N) N Date Sampled: 09/11/06 08:30

Extraction: (SepF/Cont/Sonc/Soxh) SOXH Date Extracted:09/24/06

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 09/27/06 15:13

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	MDL	RL	CONC	Q
83-32-9	Acenaphthene	45	370		U
208-96-8	Acenaphthylene	45	370		U
98-86-2	Acetophenone	110	370		U
53-96-3	2-Acetylaminofluorene	110	370		U
92-67-1	4-Aminobiphenyl	110	370		U
62-53-3	Aniline	110	370		U
140-57-8	Aramite	110	370		U
120-12-7	Anthracene	45	370		U
1912-24-9	Atrazine	110	370		U
100-52-7	Benzaldehyde	110	370		U
56-55-3	Benzo(a)anthracene	45	370		U
205-99-2	Benzo(b)fluoranthene	45	370		U
207-08-9	Benzo(k)fluoranthene	45	370		U
191-24-2	Benzo(g,h,i)perylene	45	370		U
50-32-8	Benzo(a)pyrene	45	370		U
100-51-6	Benzyl alcohol	110	370		U
92-52-4	1,1'-Biphenyl	110	370		U
111-91-1	bis(2-Chloroethoxy)methane	110	370		U
111-44-4	bis(2-Chloroethyl)ether	110	370		U
108-60-1	bis(2-Chloroisopropyl)ether	110	370		U
117-81-7	Bis(2-ethylhexyl)phthalate	110	370		U
101-55-3	4-Bromophenyl-phenylether	110	370		U
85-68-7	Butylbenzylphthalate	110	370		U
105-60-2	Caprolactam	110	370		U
86-74-8	Carbazole	45	370		U
106-47-8	4-Chloroaniline	110	370		U
510-15-6	Chlorobenzilate	110	370		U
59-50-7	4-Chloro-3-methylphenol	110	370		U
91-58-7	2-Chloronaphthalene	110	370		U
95-57-8	2-Chlorophenol	110	370		U
7005-72-3	4-Chlorophenyl-phenylether	110	370		U
218-01-9	Chrysene	45	370		U
2303-16-4	Diallate	110	370		U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-DPW10-S45

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.B09061

Matrix: (soil/water) SOIL Lab Sample ID: 0609061-05

Sample wt/vol: 15.7 (g/mL) G Lab File ID: 0906105

% Moisture: 15 decanted: (Y/N) N Date Sampled: 09/11/06 08:30

Extraction: (SepF/Cont/Sonc/Soxh) SOXH Date Extracted:09/24/06

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 09/27/06 15:13

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	MDL	RL	CONC	Q
53-70-3	Dibenz(a,h)anthracene	45	370		U
132-64-9	Dibenzofuran	110	370		U
91-94-1	3,3'-Dichlorobenzidine	170	370		U
120-83-2	2,4-Dichlorophenol	110	370		U
87-65-0	2,6-Dichlorophenol	110	370		U
84-66-2	Diethylphthalate	110	370		U
60-51-5	Dimethoate	110	370		U
60-11-7	p-(Dimethylamino)azobenzene	110	370		U
57-97-6	7,12-Dimethylbenz[a]anthrace	110	370		U
119-93-7	3,3'-Dimethylbenzidine	110	370		U
122-09-8	a,a-Dimethyl-phenethylamine	110	370		U
105-67-9	2,4-Dimethylphenol	110	1500		U
131-11-3	Dimethylphthalate	110	370		U
84-74-2	Di-n-butylphthalate	110	370		U
99-65-0	m-Dinitrobenzene	110	370		U
534-52-1	4,6-Dinitro-2-methylphenol	110	1500		U
51-28-5	2,4-Dinitrophenol	110	3700		U
121-14-2	2,4-Dinitrotoluene	110	370		U
606-20-2	2,6-Dinitrotoluene	110	370		U
117-84-0	Di-n-octylphthalate	110	370		U
122-39-4	Diphenylamine	110	370		U
62-50-0	Ethyl methanesulfonate	110	370		U
206-44-0	Fluoranthene	45	370		U
86-73-7	Fluorene	45	370		U
118-74-1	Hexachlorobenzene	110	370		U
87-68-3	Hexachlorobutadiene	110	370		U
77-47-4	Hexachlorocyclopentadiene	110	370		U
67-72-1	Hexachloroethane	110	370		U
70-30-4	Hexachlorophene	110	750		U
1888-71-7	Hexachloropropene	110	370		U
193-39-5	Indeno(1,2,3-cd)pyrene	45	370		U
465-73-6	Isodrin	110	370		U
78-59-1	Isophorone	110	370		U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-DPW10-S45

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.B09061

Matrix: (soil/water) SOIL Lab Sample ID: 0609061-05

Sample wt/vol: 15.7 (g/mL) G Lab File ID: 0906105

% Moisture: 15 decanted: (Y/N) N Date Sampled: 09/11/06 08:30

Extraction: (SepF/Cont/Sonc/Soxh) SOXH Date Extracted:09/24/06

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 09/27/06 15:13

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	MDL	RL	CONC	Q
120-58-1	Isosafrole	110	370		U
143-50-0	Kepone	110	370		U
91-80-5	Methapyrilene	110	370		U
56-49-5	3-Methylcholanthrene	110	370		U
66-27-3	Methyl methanesulfonate	110	370		U
91-57-6	2-Methylnaphthalene	45	370		U
106-44-5	4-Methylphenol	110	370		U
108-39-4	3-Methylphenol	110	370		U
95-48-7	2-Methylphenol	110	370		U
91-20-3	Naphthalene	45	370		U
130-15-4	1,4-Naphthoquinone	110	370		U
134-32-7	1-Naphthylamine	110	370		U
91-59-8	2-Naphthylamine	110	370		U
88-74-4	2-Nitroaniline	110	1500		U
99-09-2	3-Nitroaniline	110	1500		U
100-01-6	4-Nitroaniline	110	1500		U
98-95-3	Nitrobenzene	110	370		U
88-75-5	2-Nitrophenol	110	370		U
100-02-7	4-Nitrophenol	110	1500		U
56-57-5	4-Nitroquinoline-1-oxide	110	370		U
924-16-3	N-Nitrosodi-n-butylamine	110	370		U
55-18-5	N-Nitrosodiethylamine	110	370		U
62-75-9	N-Nitroso-di-methylamine	110	370		U
86-30-6	N-Nitrosodiphenylamine (1)	110	370		U
621-64-7	N-Nitroso-di-n-propylamine	110	370		U
10595-95-6	N-Nitrosomethylethylamine	110	370		U
59-89-2	N-Nitrosomorpholine	110	370		U
100-75-4	N-Nitrosopiperidine	110	370		U
930-55-2	N-Nitrosopyrrolidine	110	370		U
99-55-8	5-Nitro-o-toluidine	110	370		U
608-93-5	Pentachlorobenzene	110	370		U
82-68-8	Pentachloronitrobenzene	110	370		U
76-01-7	Pentachloroethane	110	370		U

(1) - Cannot be separated from Diphenylamine

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-DPW10-S45

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.B09061

Matrix: (soil/water) SOIL Lab Sample ID: 0609061-05

Sample wt/vol: 15.7 (g/mL) G Lab File ID: 0906105

% Moisture: 15 decanted: (Y/N) N Date Sampled: 09/11/06 08:30

Extraction: (SepF/Cont/Sonc/Soxh) SOXH Date Extracted:09/24/06

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 09/27/06 15:13

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	MDL	RL	CONC	Q
87-86-5	Pentachlorophenol	110	1500		U
62-44-2	Phenacetin	110	370		U
85-01-8	Phenanthrene	45	370		U
108-95-2	Phenol	110	370		U
106-50-3	p-Phenylenediamine	110	370		U
109-06-8	2-Picoline	110	370		U
23950-58-5	Pronamide	110	370		U
129-00-0	Pyrene	45	370		U
110-86-1	Pyridine	110	1500		U
94-59-7	Safrole	110	370		U
95-94-3	1,2,4,5-Tetrachlorobenzene	110	370		U
58-90-2	2,3,4,6-Tetrachlorophenol	110	370		U
95-53-4	o-Toluidine	110	370		U
120-82-1	1,2,4-Trichlorobenzene	110	370		U
95-95-4	2,4,5-Trichlorophenol	110	370		U
88-06-2	2,4,6-Trichlorophenol	110	370		U
126-68-1	O,O,O-Triethylphosphorothioa	110	370		U
99-35-4	sym-Trinitrobenzene	110	370		U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-DPW11-S45

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.B09061

Matrix: (soil/water) SOIL Lab Sample ID: 0609061-07

Sample wt/vol: 15.2 (g/mL) G Lab File ID: 0906107

% Moisture: 9 decanted: (Y/N) N Date Sampled: 09/11/06 10:00

Extraction: (SepF/Cont/Sonc/Soxh) SOXH Date Extracted:09/24/06

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 09/27/06 15:48

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CAS NO.	COMPOUND	CONCENTRATION UNITS: MDL	(ug/L or ug/Kg) RL	UG/KG CONC	Q
83-32-9	Acenaphthene	43	360		U
208-96-8	Acenaphthylene	43	360		U
98-86-2	Acetophenone	110	360		U
53-96-3	2-Acetylaminofluorene	110	360		U
92-67-1	4-Aminobiphenyl	110	360		U
62-53-3	Aniline	110	360		U
140-57-8	Aramite	110	360		U
120-12-7	Anthracene	43	360		U
1912-24-9	Atrazine	110	360		U
100-52-7	Benzaldehyde	110	360		U
56-55-3	Benzo(a)anthracene	43	360		U
205-99-2	Benzo(b)fluoranthene	43	360		U
207-08-9	Benzo(k)fluoranthene	43	360		U
191-24-2	Benzo(g,h,i)perylene	43	360		U
50-32-8	Benzo(a)pyrene	43	360		U
100-51-6	Benzyl alcohol	110	360		U
92-52-4	1,1'-Biphenyl	110	360		U
111-91-1	bis(2-Chloroethoxy)methane	110	360		U
111-44-4	bis(2-Chloroethyl)ether	110	360		U
108-60-1	bis(2-Chloroisopropyl)ether	110	360		U
117-81-7	Bis(2-ethylhexyl)phthalate	110	360		U
101-55-3	4-Bromophenyl-phenylether	110	360		U
85-68-7	Butylbenzylphthalate	110	360		U
105-60-2	Caprolactam	110	360		U
86-74-8	Carbazole	43	360		U
106-47-8	4-Chloroaniline	110	360		U
510-15-6	Chlorobenzilate	110	360		U
59-50-7	4-Chloro-3-methylphenol	110	360		U
91-58-7	2-Chloronaphthalene	110	360		U
95-57-8	2-Chlorophenol	110	360		U
7005-72-3	4-Chlorophenyl-phenylether	110	360		U
218-01-9	Chrysene	43	360		U
2303-16-4	Diallate	110	360		U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-DPW11-S45

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.B09061

Matrix: (soil/water) SOIL Lab Sample ID: 0609061-07

Sample wt/vol: 15.2 (g/mL) G Lab File ID: 0906107

% Moisture: 9 decanted: (Y/N) N Date Sampled: 09/11/06 10:00

Extraction: (SepF/Cont/Sonc/Soxh) SOXH Date Extracted:09/24/06

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 09/27/06 15:48

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	MDL	RL	CONC	Q
53-70-3	Dibenz(a,h)anthracene	43	360		U
132-64-9	Dibenzofuran	110	360		U
91-94-1	3,3'-Dichlorobenzidine	160	360		U
120-83-2	2,4-Dichlorophenol	110	360		U
87-65-0	2,6-Dichlorophenol	110	360		U
84-66-2	Diethylphthalate	110	360		U
60-51-5	Dimethoate	110	360		U
60-11-7	p-(Dimethylamino)azobenzene	110	360		U
57-97-6	7,12-Dimethylbenz[a]anthrace	110	360		U
119-93-7	3,3'-Dimethylbenzidine	110	360		U
122-09-8	a,a-Dimethyl-phenethylamine	110	360		U
105-67-9	2,4-Dimethylphenol	110	1400		U
131-11-3	Dimethylphthalate	110	360		U
84-74-2	Di-n-butylphthalate	110	360		U
99-65-0	m-Dinitrobenzene	110	360		U
534-52-1	4,6-Dinitro-2-methylphenol	110	1400		U
51-28-5	2,4-Dinitrophenol	110	3600		U
121-14-2	2,4-Dinitrotoluene	110	360		U
606-20-2	2,6-Dinitrotoluene	110	360		U
117-84-0	Di-n-octylphthalate	110	360		U
122-39-4	Diphenylamine	110	360		U
62-50-0	Ethyl methanesulfonate	110	360		U
206-44-0	Fluoranthene	43	360		U
86-73-7	Fluorene	43	360		U
118-74-1	Hexachlorobenzene	110	360		U
87-68-3	Hexachlorobutadiene	110	360		U
77-47-4	Hexachlorocyclopentadiene	110	360		U
67-72-1	Hexachloroethane	110	360		U
70-30-4	Hexachlorophene	110	720		U
1888-71-7	Hexachloropropene	110	360		U
193-39-5	Indeno(1,2,3-cd)pyrene	43	360		U
465-73-6	Isodrin	110	360		U
78-59-1	Isophorone	110	360		U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-DPW11-S45

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.B09061

Matrix: (soil/water) SOIL Lab Sample ID: 0609061-07

Sample wt/vol: 15.2 (g/mL) G Lab File ID: 0906107

% Moisture: 9 decanted: (Y/N) N Date Sampled: 09/11/06 10:00

Extraction: (SepF/Cont/Sonc/Soxh) SOXH Date Extracted:09/24/06

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 09/27/06 15:48

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	MDL	RL	CONC	Q
120-58-1	Isosafrole	110	360		U
143-50-0	Kepone	110	360		U
91-80-5	Methapyrilene	110	360		U
56-49-5	3-Methylcholanthrene	110	360		U
66-27-3	Methyl methanesulfonate	110	360		U
91-57-6	2-Methylnaphthalene	43	360		U
106-44-5	4-Methylphenol	110	360		U
108-39-4	3-Methylphenol	110	360		U
95-48-7	2-Methylphenol	110	360		U
91-20-3	Naphthalene	43	360		U
130-15-4	1,4-Naphthoquinone	110	360		U
134-32-7	1-Naphthylamine	110	360		U
91-59-8	2-Naphthylamine	110	360		U
88-74-4	2-Nitroaniline	110	1400		U
99-09-2	3-Nitroaniline	110	1400		U
100-01-6	4-Nitroaniline	110	1400		U
98-95-3	Nitrobenzene	110	360		U
88-75-5	2-Nitrophenol	110	360		U
100-02-7	4-Nitrophenol	110	1400		U
56-57-5	4-Nitroquinoline-1-oxide	110	360		U
924-16-3	N-Nitrosodi-n-butylamine	110	360		U
55-18-5	N-Nitrosodiethylamine	110	360		U
62-75-9	N-Nitroso-di-methylamine	110	360		U
86-30-6	N-Nitrosodiphenylamine (1)	110	360		U
621-64-7	N-Nitroso-di-n-propylamine	110	360		U
10595-95-6	N-Nitrosomethylethylamine	110	360		U
59-89-2	N-Nitrosomorpholine	110	360		U
100-75-4	N-Nitrosopiperidine	110	360		U
930-55-2	N-Nitrosopyrrolidine	110	360		U
99-55-8	5-Nitro-o-toluidine	110	360		U
608-93-5	Pentachlorobenzene	110	360		U
82-68-8	Pentachloronitrobenzene	110	360		U
76-01-7	Pentachloroethane	110	360		U

(1) - Cannot be separated from Diphenylamine

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-DPW11-S45

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.B09061

Matrix: (soil/water) SOIL Lab Sample ID: 0609061-07

Sample wt/vol: 15.2 (g/mL) G Lab File ID: 0906107

% Moisture: 9 decanted: (Y/N) N Date Sampled: 09/11/06 10:00

Extraction: (SepF/Cont/Sonc/Soxh) SOXH Date Extracted:09/24/06

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 09/27/06 15:48

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	MDL	RL	CONC	Q
87-86-5	Pentachlorophenol	110	1400		U
62-44-2	Phenacetin	110	360		U
85-01-8	Phenanthrene	43	360		U
108-95-2	Phenol	110	360		U
106-50-3	p-Phenylenediamine	110	360		U
109-06-8	2-Picoline	110	360		U
23950-58-5	Pronamide	110	360		U
129-00-0	Pyrene	43	360		U
110-86-1	Pyridine	110	1400		U
94-59-7	Safrole	110	360		U
95-94-3	1,2,4,5-Tetrachlorobenzene	110	360		U
58-90-2	2,3,4,6-Tetrachlorophenol	110	360		U
95-53-4	o-Toluidine	110	360		U
120-82-1	1,2,4-Trichlorobenzene	110	360		U
95-95-4	2,4,5-Trichlorophenol	110	360		U
88-06-2	2,4,6-Trichlorophenol	110	360		U
126-68-1	O,O,O-Triethylphosphorothioa	110	360		U
99-35-4	sym-Trinitrobenzene	110	360		U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-DPW7-S45

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.B09061

Matrix: (soil/water) SOIL Lab Sample ID: 0609061-08

Sample wt/vol: 15.1 (g/mL) G Lab File ID: 0906108

% Moisture: 16 decanted: (Y/N) N Date Sampled: 09/11/06 14:10

Extraction: (SepF/Cont/Sonc/Soxh) SOXH Date Extracted:09/24/06

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 09/27/06 16:23

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	MDL	RL	CONC	Q
83-32-9	Acenaphthene	47	390		U
208-96-8	Acenaphthylene	47	390		U
98-86-2	Acetophenone	120	390		U
53-96-3	2-Acetylaminofluorene	120	390		U
92-67-1	4-Aminobiphenyl	120	390		U
62-53-3	Aniline	120	390		U
140-57-8	Aramite	120	390		U
120-12-7	Anthracene	47	390		U
1912-24-9	Atrazine	120	390		U
100-52-7	Benzaldehyde	120	390		U
56-55-3	Benzo(a)anthracene	47	390		U
205-99-2	Benzo(b)fluoranthene	47	390		U
207-08-9	Benzo(k)fluoranthene	47	390		U
191-24-2	Benzo(g,h,i)perylene	47	390		U
50-32-8	Benzo(a)pyrene	47	390		U
100-51-6	Benzyl alcohol	120	390		U
92-52-4	1,1'-Biphenyl	120	390		U
111-91-1	bis(2-Chloroethoxy)methane	120	390		U
111-44-4	bis(2-Chloroethyl)ether	120	390		U
108-60-1	bis(2-Chloroisopropyl)ether	120	390		U
117-81-7	Bis(2-ethylhexyl)phthalate	120	390		U
101-55-3	4-Bromophenyl-phenylether	120	390		U
85-68-7	Butylbenzylphthalate	120	390		U
105-60-2	Caprolactam	120	390		U
86-74-8	Carbazole	47	390		U
106-47-8	4-Chloroaniline	120	390		U
510-15-6	Chlorobenzilate	120	390		U
59-50-7	4-Chloro-3-methylphenol	120	390		U
91-58-7	2-Chloronaphthalene	120	390		U
95-57-8	2-Chlorophenol	120	390		U
7005-72-3	4-Chlorophenyl-phenylether	120	390		U
218-01-9	Chrysene	47	390		U
2303-16-4	Diallate	120	390		U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-DPW7-S45

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.B09061

Matrix: (soil/water) SOIL Lab Sample ID: 0609061-08

Sample wt/vol: 15.1 (g/mL) G Lab File ID: 0906108

% Moisture: 16 decanted: (Y/N) N Date Sampled: 09/11/06 14:10

Extraction: (SepF/Cont/Sonc/Soxh) SOXH Date Extracted:09/24/06

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 09/27/06 16:23

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	MDL	RL	CONC	Q
53-70-3	Dibenz(a,h)anthracene	47	390		U
132-64-9	Dibenzofuran	120	390		U
91-94-1	3,3'-Dichlorobenzidine	180	390		U
120-83-2	2,4-Dichlorophenol	120	390		U
87-65-0	2,6-Dichlorophenol	120	390		U
84-66-2	Diethylphthalate	120	390		U
60-51-5	Dimethoate	120	390		U
60-11-7	p-(Dimethylamino)azobenzene	120	390		U
57-97-6	7,12-Dimethylbenz[a]anthrace	120	390		U
119-93-7	3,3'-Dimethylbenzidine	120	390		U
122-09-8	a,a-Dimethyl-phenethylamine	120	390		U
105-67-9	2,4-Dimethylphenol	120	1600		U
131-11-3	Dimethylphthalate	120	390		U
84-74-2	Di-n-butylphthalate	120	390		U
99-65-0	m-Dinitrobenzene	120	390		U
534-52-1	4,6-Dinitro-2-methylphenol	120	1600		U
51-28-5	2,4-Dinitrophenol	120	3900		U
121-14-2	2,4-Dinitrotoluene	120	390		U
606-20-2	2,6-Dinitrotoluene	120	390		U
117-84-0	Di-n-octylphthalate	120	390		U
122-39-4	Diphenylamine	120	390		U
62-50-0	Ethyl methanesulfonate	120	390		U
206-44-0	Fluoranthene	47	390		U
86-73-7	Fluorene	47	390		U
118-74-1	Hexachlorobenzene	120	390		U
87-68-3	Hexachlorobutadiene	120	390		U
77-47-4	Hexachlorocyclopentadiene	120	390		U
67-72-1	Hexachloroethane	120	390		U
70-30-4	Hexachlorophene	120	780		U
1888-71-7	Hexachloropropene	120	390		U
193-39-5	Indeno(1,2,3-cd)pyrene	47	390		U
465-73-6	Isodrin	120	390		U
78-59-1	Isophorone	120	390		U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-DPW7-S45

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.B09061

Matrix: (soil/water) SOIL Lab Sample ID: 0609061-08

Sample wt/vol: 15.1 (g/mL) G Lab File ID: 0906108

% Moisture: 16 decanted: (Y/N) N Date Sampled: 09/11/06 14:10

Extraction: (SepF/Cont/Sonc/Soxh) SOXH Date Extracted:09/24/06

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 09/27/06 16:23

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	MDL	RL	CONC	Q
120-58-1	Isosafrole	120	390		U
143-50-0	Kepone	120	390		U
91-80-5	Methapyrilene	120	390		U
56-49-5	3-Methylcholanthrene	120	390		U
66-27-3	Methyl methanesulfonate	120	390		U
91-57-6	2-Methylnaphthalene	47	390		U
106-44-5	4-Methylphenol	120	390		U
108-39-4	3-Methylphenol	120	390		U
95-48-7	2-Methylphenol	120	390		U
91-20-3	Naphthalene	47	390		U
130-15-4	1,4-Naphthoquinone	120	390		U
134-32-7	1-Naphthylamine	120	390		U
91-59-8	2-Naphthylamine	120	390		U
88-74-4	2-Nitroaniline	120	1600		U
99-09-2	3-Nitroaniline	120	1600		U
100-01-6	4-Nitroaniline	120	1600		U
98-95-3	Nitrobenzene	120	390		U
88-75-5	2-Nitrophenol	120	390		U
100-02-7	4-Nitrophenol	120	1600		U
56-57-5	4-Nitroquinoline-1-oxide	120	390		U
924-16-3	N-Nitrosodi-n-butylamine	120	390		U
55-18-5	N-Nitrosodiethylamine	120	390		U
62-75-9	N-Nitroso-di-methylamine	120	390		U
86-30-6	N-Nitrosodiphenylamine (1)	120	390		U
621-64-7	N-Nitroso-di-n-propylamine	120	390		U
10595-95-6	N-Nitrosomethylethylamine	120	390		U
59-89-2	N-Nitrosomorpholine	120	390		U
100-75-4	N-Nitrosopiperidine	120	390		U
930-55-2	N-Nitrosopyrrolidine	120	390		U
99-55-8	5-Nitro-o-toluidine	120	390		U
608-93-5	Pentachlorobenzene	120	390		U
82-68-8	Pentachloronitrobenzene	120	390		U
76-01-7	Pentachloroethane	120	390		U

(1) - Cannot be separated from Diphenylamine

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-DPW7-S45

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.B09061

Matrix: (soil/water) SOIL Lab Sample ID: 0609061-08

Sample wt/vol: 15.1 (g/mL) G Lab File ID: 0906108

% Moisture: 16 decanted: (Y/N) N Date Sampled: 09/11/06 14:10

Extraction: (SepF/Cont/Sonc/Soxh) SOXH Date Extracted:09/24/06

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 09/27/06 16:23

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	MDL	RL	CONC	Q
87-86-5	Pentachlorophenol	120	1600		U
62-44-2	Phenacetin	120	390		U
85-01-8	Phenanthrene	47	390		U
108-95-2	Phenol	120	390		U
106-50-3	p-Phenylenediamine	120	390		U
109-06-8	2-Picoline	120	390		U
23950-58-5	Pronamide	120	390		U
129-00-0	Pyrene	47	390		U
110-86-1	Pyridine	120	1600		U
94-59-7	Safrole	120	390		U
95-94-3	1,2,4,5-Tetrachlorobenzene	120	390		U
58-90-2	2,3,4,6-Tetrachlorophenol	120	390		U
95-53-4	o-Toluidine	120	390		U
120-82-1	1,2,4-Trichlorobenzene	120	390		U
95-95-4	2,4,5-Trichlorophenol	120	390		U
88-06-2	2,4,6-Trichlorophenol	120	390		U
126-68-1	O,O,O-Triethylphosphorothioa	120	390		U
99-35-4	sym-Trinitrobenzene	120	390		U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-DPW12-S45

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.B09061

Matrix: (soil/water) SOIL Lab Sample ID: 0609061-10

Sample wt/vol: 15.8 (g/mL) G Lab File ID: 0906110

% Moisture: 15 decanted: (Y/N) N Date Sampled: 09/11/06 16:35

Extraction: (SepF/Cont/Sonc/Soxh) SOXH Date Extracted:09/24/06

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 09/27/06 16:58

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	MDL	RL	CONC	Q
83-32-9	Acenaphthene	44	370		U
208-96-8	Acenaphthylene	44	370		U
98-86-2	Acetophenone	110	370		U
53-96-3	2-Acetylaminofluorene	110	370		U
92-67-1	4-Aminobiphenyl	110	370		U
62-53-3	Aniline	110	370		U
140-57-8	Aramite	110	370		U
120-12-7	Anthracene	44	370		U
1912-24-9	Atrazine	110	370		U
100-52-7	Benzaldehyde	110	370		U
56-55-3	Benzo(a)anthracene	44	370		U
205-99-2	Benzo(b)fluoranthene	44	370		U
207-08-9	Benzo(k)fluoranthene	44	370		U
191-24-2	Benzo(g,h,i)perylene	44	370		U
50-32-8	Benzo(a)pyrene	44	370		U
100-51-6	Benzyl alcohol	110	370		U
92-52-4	1,1'-Biphenyl	110	370		U
111-91-1	bis(2-Chloroethoxy)methane	110	370		U
111-44-4	bis(2-Chloroethyl)ether	110	370		U
108-60-1	bis(2-Chloroisopropyl)ether	110	370		U
117-81-7	Bis(2-ethylhexyl)phthalate	110	370		U
101-55-3	4-Bromophenyl-phenylether	110	370		U
85-68-7	Butylbenzylphthalate	110	370		U
105-60-2	Caprolactam	110	370		U
86-74-8	Carbazole	44	370		U
106-47-8	4-Chloroaniline	110	370		U
510-15-6	Chlorobenzilate	110	370		U
59-50-7	4-Chloro-3-methylphenol	110	370		U
91-58-7	2-Chloronaphthalene	110	370		U
95-57-8	2-Chlorophenol	110	370		U
7005-72-3	4-Chlorophenyl-phenylether	110	370		U
218-01-9	Chrysene	44	370		U
2303-16-4	Diallate	110	370		U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-DPW12-S45

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.B09061

Matrix: (soil/water) SOIL Lab Sample ID: 0609061-10

Sample wt/vol: 15.8 (g/mL) G Lab File ID: 0906110

% Moisture: 15 decanted: (Y/N) N Date Sampled: 09/11/06 16:35

Extraction: (SepF/Cont/Sonc/Soxh) SOXH Date Extracted:09/24/06

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 09/27/06 16:58

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	MDL	RL	CONC	Q
53-70-3	Dibenz(a,h)anthracene	44	370		U
132-64-9	Dibenzofuran	110	370		U
91-94-1	3,3'-Dichlorobenzidine	170	370		U
120-83-2	2,4-Dichlorophenol	110	370		U
87-65-0	2,6-Dichlorophenol	110	370		U
84-66-2	Diethylphthalate	110	370		U
60-51-5	Dimethoate	110	370		U
60-11-7	p-(Dimethylamino)azobenzene	110	370		U
57-97-6	7,12-Dimethylbenz[a]anthrace	110	370		U
119-93-7	3,3'-Dimethylbenzidine	110	370		U
122-09-8	a,a-Dimethyl-phenethylamine	110	370		U
105-67-9	2,4-Dimethylphenol	110	1500		U
131-11-3	Dimethylphthalate	110	370		U
84-74-2	Di-n-butylphthalate	110	370		U
99-65-0	m-Dinitrobenzene	110	370		U
534-52-1	4,6-Dinitro-2-methylphenol	110	1500		U
51-28-5	2,4-Dinitrophenol	110	3700		U
121-14-2	2,4-Dinitrotoluene	110	370		U
606-20-2	2,6-Dinitrotoluene	110	370		U
117-84-0	Di-n-octylphthalate	110	370		U
122-39-4	Diphenylamine	110	370		U
62-50-0	Ethyl methanesulfonate	110	370		U
206-44-0	Fluoranthene	44	370		U
86-73-7	Fluorene	44	370		U
118-74-1	Hexachlorobenzene	110	370		U
87-68-3	Hexachlorobutadiene	110	370		U
77-47-4	Hexachlorocyclopentadiene	110	370		U
67-72-1	Hexachloroethane	110	370		U
70-30-4	Hexachlorophene	110	740		U
1888-71-7	Hexachloropropene	110	370		U
193-39-5	Indeno(1,2,3-cd)pyrene	44	370		U
465-73-6	Isodrin	110	370		U
78-59-1	Isophorone	110	370		U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-DPW12-S45

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.B09061

Matrix: (soil/water) SOIL Lab Sample ID: 0609061-10

Sample wt/vol: 15.8 (g/mL) G Lab File ID: 0906110

% Moisture: 15 decanted: (Y/N) N Date Sampled: 09/11/06 16:35

Extraction: (SepF/Cont/Sonc/Soxh) SOXH Date Extracted:09/24/06

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 09/27/06 16:58

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	MDL	RL	CONC	Q
120-58-1	Isosafrole	110	370		U
143-50-0	Kepone	110	370		U
91-80-5	Methapyrilene	110	370		U
56-49-5	3-Methylcholanthrene	110	370		U
66-27-3	Methyl methanesulfonate	110	370		U
91-57-6	2-Methylnaphthalene	44	370		U
106-44-5	4-Methylphenol	110	370		U
108-39-4	3-Methylphenol	110	370		U
95-48-7	2-Methylphenol	110	370		U
91-20-3	Naphthalene	44	370		U
130-15-4	1,4-Naphthoquinone	110	370		U
134-32-7	1-Naphthylamine	110	370		U
91-59-8	2-Naphthylamine	110	370		U
88-74-4	2-Nitroaniline	110	1500		U
99-09-2	3-Nitroaniline	110	1500		U
100-01-6	4-Nitroaniline	110	1500		U
98-95-3	Nitrobenzene	110	370		U
88-75-5	2-Nitrophenol	110	370		U
100-02-7	4-Nitrophenol	110	1500		U
56-57-5	4-Nitroquinoline-1-oxide	110	370		U
924-16-3	N-Nitrosodi-n-butylamine	110	370		U
55-18-5	N-Nitrosodiethylamine	110	370		U
62-75-9	N-Nitroso-di-methylamine	110	370		U
86-30-6	N-Nitrosodiphenylamine (1)	110	370		U
621-64-7	N-Nitroso-di-n-propylamine	110	370		U
10595-95-6	N-Nitrosomethylethylamine	110	370		U
59-89-2	N-Nitrosomorpholine	110	370		U
100-75-4	N-Nitrosopiperidine	110	370		U
930-55-2	N-Nitrosopyrrolidine	110	370		U
99-55-8	5-Nitro-o-toluidine	110	370		U
608-93-5	Pentachlorobenzene	110	370		U
82-68-8	Pentachloronitrobenzene	110	370		U
76-01-7	Pentachloroethane	110	370		U

(1) - Cannot be separated from Diphenylamine

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-DPW12-S45

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.B09061

Matrix: (soil/water) SOIL Lab Sample ID: 0609061-10

Sample wt/vol: 15.8 (g/mL) G Lab File ID: 0906110

% Moisture: 15 decanted: (Y/N) N Date Sampled: 09/11/06 16:35

Extraction: (SepF/Cont/Sonc/Soxh) SOXH Date Extracted:09/24/06

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 09/27/06 16:58

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	MDL	RL	CONC	Q
87-86-5	Pentachlorophenol	110	1500		U
62-44-2	Phenacetin	110	370		U
85-01-8	Phenanthrene	44	370		U
108-95-2	Phenol	110	370		U
106-50-3	p-Phenylenediamine	110	370		U
109-06-8	2-Picoline	110	370		U
23950-58-5	Pronamide	110	370		U
129-00-0	Pyrene	44	370		U
110-86-1	Pyridine	110	1500		U
94-59-7	Safrole	110	370		U
95-94-3	1,2,4,5-Tetrachlorobenzene	110	370		U
58-90-2	2,3,4,6-Tetrachlorophenol	110	370		U
95-53-4	o-Toluidine	110	370		U
120-82-1	1,2,4-Trichlorobenzene	110	370		U
95-95-4	2,4,5-Trichlorophenol	110	370		U
88-06-2	2,4,6-Trichlorophenol	110	370		U
126-68-1	O,O,O-Triethylphosphorothioa	110	370		U
99-35-4	sym-Trinitrobenzene	110	370		U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-DPW22-S26

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.B09061

Matrix: (soil/water) SOIL Lab Sample ID: 0609061-16

Sample wt/vol: 15.0 (g/mL) G Lab File ID: 0906116

% Moisture: 5 decanted: (Y/N) N Date Sampled: 09/11/06 08:45

Extraction: (SepF/Cont/Sonc/Soxh) SOXH Date Extracted:09/24/06

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 09/27/06 17:33

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	MDL	RL	CONC	Q
83-32-9	Acenaphthene	42	350		U
208-96-8	Acenaphthylene	42	350		U
98-86-2	Acetophenone	100	350		U
53-96-3	2-Acetylaminofluorene	100	350		U
92-67-1	4-Aminobiphenyl	100	350		U
62-53-3	Aniline	100	350		U
140-57-8	Aramite	100	350		U
120-12-7	Anthracene	42	350		U
1912-24-9	Atrazine	100	350		U
100-52-7	Benzaldehyde	100	350		U
56-55-3	Benzo(a)anthracene	42	350		U
205-99-2	Benzo(b)fluoranthene	42	350		U
207-08-9	Benzo(k)fluoranthene	42	350		U
191-24-2	Benzo(g,h,i)perylene	42	350		U
50-32-8	Benzo(a)pyrene	42	350		U
100-51-6	Benzyl alcohol	100	350		U
92-52-4	1,1'-Biphenyl	100	350		U
111-91-1	bis(2-Chloroethoxy)methane	100	350		U
111-44-4	bis(2-Chloroethyl)ether	100	350		U
108-60-1	bis(2-Chloroisopropyl)ether	100	350		U
117-81-7	Bis(2-ethylhexyl)phthalate	100	350		U
101-55-3	4-Bromophenyl-phenylether	100	350		U
85-68-7	Butylbenzylphthalate	100	350		U
105-60-2	Caprolactam	100	350		U
86-74-8	Carbazole	42	350		U
106-47-8	4-Chloroaniline	100	350		U
510-15-6	Chlorobenzilate	100	350		U
59-50-7	4-Chloro-3-methylphenol	100	350		U
91-58-7	2-Chloronaphthalene	100	350		U
95-57-8	2-Chlorophenol	100	350		U
7005-72-3	4-Chlorophenyl-phenylether	100	350		U
218-01-9	Chrysene	42	350		U
2303-16-4	Diallate	100	350		U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-DPW22-S26

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.B09061

Matrix: (soil/water) SOIL Lab Sample ID: 0609061-16

Sample wt/vol: 15.0 (g/mL) G Lab File ID: 0906116

% Moisture: 5 decanted: (Y/N) N Date Sampled: 09/11/06 08:45

Extraction: (SepF/Cont/Sonc/Soxh) SOXH Date Extracted:09/24/06

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 09/27/06 17:33

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	MDL	RL	CONC	Q
53-70-3	Dibenz(a,h)anthracene	42	350		U
132-64-9	Dibenzofuran	100	350		U
91-94-1	3,3'-Dichlorobenzidine	160	350		U
120-83-2	2,4-Dichlorophenol	100	350		U
87-65-0	2,6-Dichlorophenol	100	350		U
84-66-2	Diethylphthalate	100	350		U
60-51-5	Dimethoate	100	350		U
60-11-7	p-(Dimethylamino)azobenzene	100	350		U
57-97-6	7,12-Dimethylbenz[a]anthrace	100	350		U
119-93-7	3,3'-Dimethylbenzidine	100	350		U
122-09-8	a,a-Dimethyl-phenethylamine	100	350		U
105-67-9	2,4-Dimethylphenol	100	1400		U
131-11-3	Dimethylphthalate	100	350		U
84-74-2	Di-n-butylphthalate	100	350		U
99-65-0	m-Dinitrobenzene	100	350		U
534-52-1	4,6-Dinitro-2-methylphenol	100	1400		U
51-28-5	2,4-Dinitrophenol	100	3500		U
121-14-2	2,4-Dinitrotoluene	100	350		U
606-20-2	2,6-Dinitrotoluene	100	350		U
117-84-0	Di-n-octylphthalate	100	350		U
122-39-4	Diphenylamine	100	350		U
62-50-0	Ethyl methanesulfonate	100	350		U
206-44-0	Fluoranthene	42	350		U
86-73-7	Fluorene	42	350		U
118-74-1	Hexachlorobenzene	100	350		U
87-68-3	Hexachlorobutadiene	100	350		U
77-47-4	Hexachlorocyclopentadiene	100	350		U
67-72-1	Hexachloroethane	100	350		U
70-30-4	Hexachlorophene	100	700		U
1888-71-7	Hexachloropropene	100	350		U
193-39-5	Indeno(1,2,3-cd)pyrene	42	350		U
465-73-6	Isodrin	100	350		U
78-59-1	Isophorone	100	350		U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-DPW22-S26

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.B09061

Matrix: (soil/water) SOIL Lab Sample ID: 0609061-16

Sample wt/vol: 15.0 (g/mL) G Lab File ID: 0906116

% Moisture: 5 decanted: (Y/N) N Date Sampled: 09/11/06 08:45

Extraction: (SepF/Cont/Sonc/Soxh) SOXH Date Extracted:09/24/06

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 09/27/06 17:33

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) MDL	RL	CONC	UG/KG Q
120-58-1	Isosafrole	100	350		U
143-50-0	Kepone	100	350		U
91-80-5	Methapyrilene	100	350		U
56-49-5	3-Methylcholanthrene	100	350		U
66-27-3	Methyl methanesulfonate	100	350		U
91-57-6	2-Methylnaphthalene	42	350		U
106-44-5	4-Methylphenol	100	350		U
108-39-4	3-Methylphenol	100	350		U
95-48-7	2-Methylphenol	100	350		U
91-20-3	Naphthalene	42	350		U
130-15-4	1,4-Naphthoquinone	100	350		U
134-32-7	1-Naphthylamine	100	350		U
91-59-8	2-Naphthylamine	100	350		U
88-74-4	2-Nitroaniline	100	1400		U
99-09-2	3-Nitroaniline	100	1400		U
100-01-6	4-Nitroaniline	100	1400		U
98-95-3	Nitrobenzene	100	350		U
88-75-5	2-Nitrophenol	100	350		U
100-02-7	4-Nitrophenol	100	1400		U
56-57-5	4-Nitroquinoline-1-oxide	100	350		U
924-16-3	N-Nitrosodi-n-butylamine	100	350		U
55-18-5	N-Nitrosodiethylamine	100	350		U
62-75-9	N-Nitroso-di-methylamine	100	350		U
86-30-6	N-Nitrosodiphenylamine (1)	100	350		U
621-64-7	N-Nitroso-di-n-propylamine	100	350		U
10595-95-6	N-Nitrosomethylethylamine	100	350		U
59-89-2	N-Nitrosomorpholine	100	350		U
100-75-4	N-Nitrosopiperidine	100	350		U
930-55-2	N-Nitrosopyrrolidine	100	350		U
99-55-8	5-Nitro-o-toluidine	100	350		U
608-93-5	Pentachlorobenzene	100	350		U
82-68-8	Pentachloronitrobenzene	100	350		U
76-01-7	Pentachloroethane	100	350		U

(1) - Cannot be separated from Diphenylamine

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-DPW22-S26

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.B09061

Matrix: (soil/water) SOIL Lab Sample ID: 0609061-16

Sample wt/vol: 15.0 (g/mL) G Lab File ID: 0906116

% Moisture: 5 decanted: (Y/N) N Date Sampled: 09/11/06 08:45

Extraction: (SepF/Cont/Sonc/Soxh) SOXH Date Extracted:09/24/06

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 09/27/06 17:33

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	MDL	RL	CONC	Q
87-86-5	Pentachlorophenol	100	1400		U
62-44-2	Phenacetin	100	350		U
85-01-8	Phenanthrene	42	350		U
108-95-2	Phenol	100	350		U
106-50-3	p-Phenylenediamine	100	350		U
109-06-8	2-Picoline	100	350		U
23950-58-5	Pronamide	100	350		U
129-00-0	Pyrene	42	350		U
110-86-1	Pyridine	100	1400		U
94-59-7	Safrole	100	350		U
95-94-3	1,2,4,5-Tetrachlorobenzene	100	350		U
58-90-2	2,3,4,6-Tetrachlorophenol	100	350		U
95-53-4	o-Toluidine	100	350		U
120-82-1	1,2,4-Trichlorobenzene	100	350		U
95-95-4	2,4,5-Trichlorophenol	100	350		U
88-06-2	2,4,6-Trichlorophenol	100	350		U
126-68-1	O,O,O-Triethylphosphorothioa	100	350		U
99-35-4	sym-Trinitrobenzene	100	350		U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-DPW13-S4

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.B09061

Matrix: (soil/water) SOIL Lab Sample ID: 0609061-19

Sample wt/vol: 15.5 (g/mL) G Lab File ID: 0906119

% Moisture: 10 decanted: (Y/N) N Date Sampled: 09/11/06 15:40

Extraction: (SepF/Cont/Sonc/Soxh) SOXH Date Extracted:09/24/06

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 09/27/06 18:08

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	MDL	RL	CONC	Q
83-32-9	Acenaphthene	43	360		U
208-96-8	Acenaphthylene	43	360		U
98-86-2	Acetophenone	110	360		U
53-96-3	2-Acetylaminofluorene	110	360		U
92-67-1	4-Aminobiphenyl	110	360		U
62-53-3	Aniline	110	360		U
140-57-8	Aramite	110	360		U
120-12-7	Anthracene	43	360		U
1912-24-9	Atrazine	110	360		U
100-52-7	Benzaldehyde	110	360		U
56-55-3	Benzo(a)anthracene	43	360		U
205-99-2	Benzo(b)fluoranthene	43	360		U
207-08-9	Benzo(k)fluoranthene	43	360		U
191-24-2	Benzo(g,h,i)perylene	43	360		U
50-32-8	Benzo(a)pyrene	43	360		U
100-51-6	Benzyl alcohol	110	360		U
92-52-4	1,1'-Biphenyl	110	360		U
111-91-1	bis(2-Chloroethoxy)methane	110	360		U
111-44-4	bis(2-Chloroethyl)ether	110	360		U
108-60-1	bis(2-Chloroisopropyl)ether	110	360		U
117-81-7	Bis(2-ethylhexyl)phthalate	110	360		U
101-55-3	4-Bromophenyl-phenylether	110	360		U
85-68-7	Butylbenzylphthalate	110	360		U
105-60-2	Caprolactam	110	360		U
86-74-8	Carbazole	43	360		U
106-47-8	4-Chloroaniline	110	360		U
510-15-6	Chlorobenzilate	110	360		U
59-50-7	4-Chloro-3-methylphenol	110	360		U
91-58-7	2-Chloronaphthalene	110	360		U
95-57-8	2-Chlorophenol	110	360		U
7005-72-3	4-Chlorophenyl-phenylether	110	360		U
218-01-9	Chrysene	43	360		U
2303-16-4	Diallate	110	360		U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-DPW13-S4

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.B09061

Matrix: (soil/water) SOIL Lab Sample ID: 0609061-19

Sample wt/vol: 15.5 (g/mL) G Lab File ID: 0906119

% Moisture: 10 decanted: (Y/N) N Date Sampled: 09/11/06 15:40

Extraction: (SepF/Cont/Sonc/Soxh) SOXH Date Extracted:09/24/06

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 09/27/06 18:08

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	MDL	RL	CONC	Q
53-70-3	Dibenz(a,h)anthracene	43	360		U
132-64-9	Dibenzofuran	110	360		U
91-94-1	3,3'-Dichlorobenzidine	160	360		U
120-83-2	2,4-Dichlorophenol	110	360		U
87-65-0	2,6-Dichlorophenol	110	360		U
84-66-2	Diethylphthalate	110	360		U
60-51-5	Dimethoate	110	360		U
60-11-7	p-(Dimethylamino)azobenzene	110	360		U
57-97-6	7,12-Dimethylbenz[a]anthrace	110	360		U
119-93-7	3,3'-Dimethylbenzidine	110	360		U
122-09-8	a,a-Dimethyl-phenethylamine	110	360		U
105-67-9	2,4-Dimethylphenol	110	1400		U
131-11-3	Dimethylphthalate	110	360		U
84-74-2	Di-n-butylphthalate	110	360		U
99-65-0	m-Dinitrobenzene	110	360		U
534-52-1	4,6-Dinitro-2-methylphenol	110	1400		U
51-28-5	2,4-Dinitrophenol	110	3600		U
121-14-2	2,4-Dinitrotoluene	110	360		U
606-20-2	2,6-Dinitrotoluene	110	360		U
117-84-0	Di-n-octylphthalate	110	360		U
122-39-4	Diphenylamine	110	360		U
62-50-0	Ethyl methanesulfonate	110	360		U
206-44-0	Fluoranthene	43	360		U
86-73-7	Fluorene	43	360		U
118-74-1	Hexachlorobenzene	110	360		U
87-68-3	Hexachlorobutadiene	110	360		U
77-47-4	Hexachlorocyclopentadiene	110	360		U
67-72-1	Hexachloroethane	110	360		U
70-30-4	Hexachlorophene	110	720		U
1888-71-7	Hexachloropropene	110	360		U
193-39-5	Indeno(1,2,3-cd)pyrene	43	360		U
465-73-6	Isodrin	110	360		U
78-59-1	Isophorone	110	360		U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-DPW13-S4

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.B09061

Matrix: (soil/water) SOIL Lab Sample ID: 0609061-19

Sample wt/vol: 15.5 (g/mL) G Lab File ID: 0906119

% Moisture: 10 decanted: (Y/N) N Date Sampled: 09/11/06 15:40

Extraction: (SepF/Cont/Sonc/Soxh) SOXH Date Extracted:09/24/06

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 09/27/06 18:08

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) MDL	RL	CONC	UG/KG Q
120-58-1	Isosafrole	110	360		U
143-50-0	Kepone	110	360		U
91-80-5	Methapyrilene	110	360		U
56-49-5	3-Methylcholanthrene	110	360		U
66-27-3	Methyl methanesulfonate	110	360		U
91-57-6	2-Methylnaphthalene	43	360		U
106-44-5	4-Methylphenol	110	360		U
108-39-4	3-Methylphenol	110	360		U
95-48-7	2-Methylphenol	110	360		U
91-20-3	Naphthalene	43	360		U
130-15-4	1,4-Naphthoquinone	110	360		U
134-32-7	1-Naphthylamine	110	360		U
91-59-8	2-Naphthylamine	110	360		U
88-74-4	2-Nitroaniline	110	1400		U
99-09-2	3-Nitroaniline	110	1400		U
100-01-6	4-Nitroaniline	110	1400		U
98-95-3	Nitrobenzene	110	360		U
88-75-5	2-Nitrophenol	110	360		U
100-02-7	4-Nitrophenol	110	1400		U
56-57-5	4-Nitroquinoline-1-oxide	110	360		U
924-16-3	N-Nitrosodi-n-butylamine	110	360		U
55-18-5	N-Nitrosodiethylamine	110	360		U
62-75-9	N-Nitroso-di-methylamine	110	360		U
86-30-6	N-Nitrosodiphenylamine (1)	110	360		U
621-64-7	N-Nitroso-di-n-propylamine	110	360		U
10595-95-6	N-Nitrosomethylethylamine	110	360		U
59-89-2	N-Nitrosomorpholine	110	360		U
100-75-4	N-Nitrosopiperidine	110	360		U
930-55-2	N-Nitrosopyrrolidine	110	360		U
99-55-8	5-Nitro-o-toluidine	110	360		U
608-93-5	Pentachlorobenzene	110	360		U
82-68-8	Pentachloronitrobenzene	110	360		U
76-01-7	Pentachloroethane	110	360		U

(1) - Cannot be separated from Diphenylamine

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-DPW13-S4

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.B09061

Matrix: (soil/water) SOIL Lab Sample ID: 0609061-19

Sample wt/vol: 15.5 (g/mL) G Lab File ID: 0906119

% Moisture: 10 decanted: (Y/N) N Date Sampled: 09/11/06 15:40

Extraction: (SepF/Cont/Sonc/Soxh) SOXH Date Extracted:09/24/06

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 09/27/06 18:08

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	MDL	RL	CONC	Q
87-86-5	Pentachlorophenol	110	1400		U
62-44-2	Phenacetin	110	360		U
85-01-8	Phenanthrene	43	360		U
108-95-2	Phenol	110	360		U
106-50-3	p-Phenylenediamine	110	360		U
109-06-8	2-Picoline	110	360		U
23950-58-5	Pronamide	110	360		U
129-00-0	Pyrene	43	360		U
110-86-1	Pyridine	110	1400		U
94-59-7	Safrole	110	360		U
95-94-3	1,2,4,5-Tetrachlorobenzene	110	360		U
58-90-2	2,3,4,6-Tetrachlorophenol	110	360		U
95-53-4	o-Toluidine	110	360		U
120-82-1	1,2,4-Trichlorobenzene	110	360		U
95-95-4	2,4,5-Trichlorophenol	110	360		U
88-06-2	2,4,6-Trichlorophenol	110	360		U
126-68-1	O,O,O-Triethylphosphorothioa	110	360		U
99-35-4	sym-Trinitrobenzene	110	360		U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-DPW14-S6

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.B09061

Matrix: (soil/water) SOIL Lab Sample ID: 0609061-20

Sample wt/vol: 15.5 (g/mL) G Lab File ID: 0906120

% Moisture: 8 decanted: (Y/N) N Date Sampled: 09/11/06 16:15

Extraction: (SepF/Cont/Sonc/Soxh) SOXH Date Extracted:09/24/06

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 09/27/06 18:43

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	MDL	RL	CONC	Q
83-32-9	Acenaphthene	42	350		U
208-96-8	Acenaphthylene	42	350		U
98-86-2	Acetophenone	100	350		U
53-96-3	2-Acetylaminofluorene	100	350		U
92-67-1	4-Aminobiphenyl	100	350		U
62-53-3	Aniline	100	350		U
140-57-8	Aramite	100	350		U
120-12-7	Anthracene	42	350		U
1912-24-9	Atrazine	100	350		U
100-52-7	Benzaldehyde	100	350		U
56-55-3	Benzo(a)anthracene	42	350		U
205-99-2	Benzo(b)fluoranthene	42	350		U
207-08-9	Benzo(k)fluoranthene	42	350		U
191-24-2	Benzo(g,h,i)perylene	42	350		U
50-32-8	Benzo(a)pyrene	42	350		U
100-51-6	Benzyl alcohol	100	350		U
92-52-4	1,1'-Biphenyl	100	350		U
111-91-1	bis(2-Chloroethoxy)methane	100	350		U
111-44-4	bis(2-Chloroethyl)ether	100	350		U
108-60-1	bis(2-Chloroisopropyl)ether	100	350		U
117-81-7	Bis(2-ethylhexyl)phthalate	100	350		U
101-55-3	4-Bromophenyl-phenylether	100	350		U
85-68-7	Butylbenzylphthalate	100	350		U
105-60-2	Caprolactam	100	350		U
86-74-8	Carbazole	42	350		U
106-47-8	4-Chloroaniline	100	350		U
510-15-6	Chlorobenzilate	100	350		U
59-50-7	4-Chloro-3-methylphenol	100	350		U
91-58-7	2-Chloronaphthalene	100	350		U
95-57-8	2-Chlorophenol	100	350		U
7005-72-3	4-Chlorophenyl-phenylether	100	350		U
218-01-9	Chrysene	42	350		U
2303-16-4	Diallate	100	350		U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-DPW14-S6

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.B09061

Matrix: (soil/water) SOIL Lab Sample ID: 0609061-20

Sample wt/vol: 15.5 (g/mL) G Lab File ID: 0906120

% Moisture: 8 decanted: (Y/N) N Date Sampled: 09/11/06 16:15

Extraction: (SepF/Cont/Sonc/Soxh) SOXH Date Extracted:09/24/06

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 09/27/06 18:43

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG MDL	RL	CONC	Q
53-70-3	Dibenz(a,h)anthracene	42	350		U
132-64-9	Dibenzofuran	100	350		U
91-94-1	3,3'-Dichlorobenzidine	160	350		U
120-83-2	2,4-Dichlorophenol	100	350		U
87-65-0	2,6-Dichlorophenol	100	350		U
84-66-2	Diethylphthalate	100	350		U
60-51-5	Dimethoate	100	350		U
60-11-7	p-(Dimethylamino)azobenzene	100	350		U
57-97-6	7,12-Dimethylbenz[a]anthrace	100	350		U
119-93-7	3,3'-Dimethylbenzidine	100	350		U
122-09-8	a,a-Dimethyl-phenethylamine	100	350		U
105-67-9	2,4-Dimethylphenol	100	1400		U
131-11-3	Dimethylphthalate	100	350		U
84-74-2	Di-n-butylphthalate	100	350		U
99-65-0	m-Dinitrobenzene	100	350		U
534-52-1	4,6-Dinitro-2-methylphenol	100	1400		U
51-28-5	2,4-Dinitrophenol	100	3500		U
121-14-2	2,4-Dinitrotoluene	100	350		U
606-20-2	2,6-Dinitrotoluene	100	350		U
117-84-0	Di-n-octylphthalate	100	350		U
122-39-4	Diphenylamine	100	350		U
62-50-0	Ethyl methanesulfonate	100	350		U
206-44-0	Fluoranthene	42	350		U
86-73-7	Fluorene	42	350		U
118-74-1	Hexachlorobenzene	100	350		U
87-68-3	Hexachlorobutadiene	100	350		U
77-47-4	Hexachlorocyclopentadiene	100	350		U
67-72-1	Hexachloroethane	100	350		U
70-30-4	Hexachlorophene	100	700		U
1888-71-7	Hexachloropropene	100	350		U
193-39-5	Indeno(1,2,3-cd)pyrene	42	350		U
465-73-6	Isodrin	100	350		U
78-59-1	Isophorone	100	350		U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-DPW14-S6

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.B09061

Matrix: (soil/water) SOIL Lab Sample ID: 0609061-20

Sample wt/vol: 15.5 (g/mL) G Lab File ID: 0906120

% Moisture: 8 decanted: (Y/N) N Date Sampled: 09/11/06 16:15

Extraction: (SepF/Cont/Sonc/Soxh) SOXH Date Extracted:09/24/06

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 09/27/06 18:43

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	MDL	RL	CONC	Q
120-58-1	Isosafrole	100	350		U
143-50-0	Kepone	100	350		U
91-80-5	Methapyrilene	100	350		U
56-49-5	3-Methylcholanthrene	100	350		U
66-27-3	Methyl methanesulfonate	100	350		U
91-57-6	2-Methylnaphthalene	42	350		U
106-44-5	4-Methylphenol	100	350		U
108-39-4	3-Methylphenol	100	350		U
95-48-7	2-Methylphenol	100	350		U
91-20-3	Naphthalene	42	350		U
130-15-4	1,4-Naphthoquinone	100	350		U
134-32-7	1-Naphthylamine	100	350		U
91-59-8	2-Naphthylamine	100	350		U
88-74-4	2-Nitroaniline	100	1400		U
99-09-2	3-Nitroaniline	100	1400		U
100-01-6	4-Nitroaniline	100	1400		U
98-95-3	Nitrobenzene	100	350		U
88-75-5	2-Nitrophenol	100	350		U
100-02-7	4-Nitrophenol	100	1400		U
56-57-5	4-Nitroquinoline-1-oxide	100	350		U
924-16-3	N-Nitrosodi-n-butylamine	100	350		U
55-18-5	N-Nitrosodiethylamine	100	350		U
62-75-9	N-Nitroso-di-methylamine	100	350		U
86-30-6	N-Nitrosodiphenylamine (1)	100	350		U
621-64-7	N-Nitroso-di-n-propylamine	100	350		U
10595-95-6	N-Nitrosomethylethylamine	100	350		U
59-89-2	N-Nitrosomorpholine	100	350		U
100-75-4	N-Nitrosopiperidine	100	350		U
930-55-2	N-Nitrosopyrrolidine	100	350		U
99-55-8	5-Nitro-o-toluidine	100	350		U
608-93-5	Pentachlorobenzene	100	350		U
82-68-8	Pentachloronitrobenzene	100	350		U
76-01-7	Pentachloroethane	100	350		U

(1) - Cannot be separated from Diphenylamine

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-DPW14-S6

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.B09061

Matrix: (soil/water) SOIL Lab Sample ID: 0609061-20

Sample wt/vol: 15.5 (g/mL) G Lab File ID: 0906120

% Moisture: 8 decanted: (Y/N) N Date Sampled: 09/11/06 16:15

Extraction: (SepF/Cont/Sonc/Soxh) SOXH Date Extracted:09/24/06

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 09/27/06 18:43

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	MDL	RL	CONC	Q
87-86-5	Pentachlorophenol	100	1400		U
62-44-2	Phenacetin	100	350		U
85-01-8	Phenanthrene	42	350		U
108-95-2	Phenol	100	350		U
106-50-3	p-Phenylenediamine	100	350		U
109-06-8	2-Picoline	100	350		U
23950-58-5	Pronamide	100	350		U
129-00-0	Pyrene	42	350		U
110-86-1	Pyridine	100	1400		U
94-59-7	Safrole	100	350		U
95-94-3	1,2,4,5-Tetrachlorobenzene	100	350		U
58-90-2	2,3,4,6-Tetrachlorophenol	100	350		U
95-53-4	o-Toluidine	100	350		U
120-82-1	1,2,4-Trichlorobenzene	100	350		U
95-95-4	2,4,5-Trichlorophenol	100	350		U
88-06-2	2,4,6-Trichlorophenol	100	350		U
126-68-1	O,O,O-Triethylphosphorothioa	100	350		U
99-35-4	sym-Trinitrobenzene	100	350		U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-DPW15-S4

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.B09061

Matrix: (soil/water) SOIL Lab Sample ID: 0609061-21

Sample wt/vol: 15.4 (g/mL) G Lab File ID: 0906121

% Moisture: 12 decanted: (Y/N) N Date Sampled: 09/11/06 16:40

Extraction: (SepF/Cont/Sonc/Soxh) SOXH Date Extracted:09/24/06

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 09/27/06 19:18

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	MDL	RL	CONC	Q
83-32-9	Acenaphthene	44	370		U
208-96-8	Acenaphthylene	44	370		U
98-86-2	Acetophenone	110	370		U
53-96-3	2-Acetylaminofluorene	110	370		U
92-67-1	4-Aminobiphenyl	110	370		U
62-53-3	Aniline	110	370		U
140-57-8	Aramite	110	370		U
120-12-7	Anthracene	44	370		U
1912-24-9	Atrazine	110	370		U
100-52-7	Benzaldehyde	110	370		U
56-55-3	Benzo(a)anthracene	44	370		U
205-99-2	Benzo(b)fluoranthene	44	370		U
207-08-9	Benzo(k)fluoranthene	44	370		U
191-24-2	Benzo(g,h,i)perylene	44	370		U
50-32-8	Benzo(a)pyrene	44	370		U
100-51-6	Benzyl alcohol	110	370		U
92-52-4	1,1'-Biphenyl	110	370		U
111-91-1	bis(2-Chloroethoxy)methane	110	370		U
111-44-4	bis(2-Chloroethyl)ether	110	370		U
108-60-1	bis(2-Chloroisopropyl)ether	110	370		U
117-81-7	Bis(2-ethylhexyl)phthalate	110	370		U
101-55-3	4-Bromophenyl-phenylether	110	370		U
85-68-7	Butylbenzylphthalate	110	370		U
105-60-2	Caprolactam	110	370		U
86-74-8	Carbazole	44	370		U
106-47-8	4-Chloroaniline	110	370		U
510-15-6	Chlorobenzilate	110	370		U
59-50-7	4-Chloro-3-methylphenol	110	370		U
91-58-7	2-Chloronaphthalene	110	370		U
95-57-8	2-Chlorophenol	110	370		U
7005-72-3	4-Chlorophenyl-phenylether	110	370		U
218-01-9	Chrysene	44	370		U
2303-16-4	Diallate	110	370		U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-DPW15-S4

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.B09061

Matrix: (soil/water) SOIL Lab Sample ID: 0609061-21

Sample wt/vol: 15.4 (g/mL) G Lab File ID: 0906121

% Moisture: 12 decanted: (Y/N) N Date Sampled: 09/11/06 16:40

Extraction: (SepF/Cont/Sonc/Soxh) SOXH Date Extracted:09/24/06

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 09/27/06 19:18

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	MDL	RL	CONC	Q
53-70-3	Dibenz(a,h)anthracene	44	370		U
132-64-9	Dibenzofuran	110	370		U
91-94-1	3,3'-Dichlorobenzidine	160	370		U
120-83-2	2,4-Dichlorophenol	110	370		U
87-65-0	2,6-Dichlorophenol	110	370		U
84-66-2	Diethylphthalate	110	370		U
60-51-5	Dimethoate	110	370		U
60-11-7	p-(Dimethylamino)azobenzene	110	370		U
57-97-6	7,12-Dimethylbenz[a]anthrace	110	370		U
119-93-7	3,3'-Dimethylbenzidine	110	370		U
122-09-8	a,a-Dimethyl-phenethylamine	110	370		U
105-67-9	2,4-Dimethylphenol	110	1500		U
131-11-3	Dimethylphthalate	110	370		U
84-74-2	Di-n-butylphthalate	110	370		U
99-65-0	m-Dinitrobenzene	110	370		U
534-52-1	4,6-Dinitro-2-methylphenol	110	1500		U
51-28-5	2,4-Dinitrophenol	110	3700		U
121-14-2	2,4-Dinitrotoluene	110	370		U
606-20-2	2,6-Dinitrotoluene	110	370		U
117-84-0	Di-n-octylphthalate	110	370		U
122-39-4	Diphenylamine	110	370		U
62-50-0	Ethyl methanesulfonate	110	370		U
206-44-0	Fluoranthene	44	370		U
86-73-7	Fluorene	44	370	78	I
118-74-1	Hexachlorobenzene	110	370		U
87-68-3	Hexachlorobutadiene	110	370		U
77-47-4	Hexachlorocyclopentadiene	110	370		U
67-72-1	Hexachloroethane	110	370		U
70-30-4	Hexachlorophene	110	740		U
1888-71-7	Hexachloropropene	110	370		U
193-39-5	Indeno(1,2,3-cd)pyrene	44	370		U
465-73-6	Isodrin	110	370		U
78-59-1	Isophorone	110	370		U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-DPW15-S4

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.B09061

Matrix: (soil/water) SOIL Lab Sample ID: 0609061-21

Sample wt/vol: 15.4 (g/mL) G Lab File ID: 0906121

% Moisture: 12 decanted: (Y/N) N Date Sampled: 09/11/06 16:40

Extraction: (SepF/Cont/Sonc/Soxh) SOXH Date Extracted:09/24/06

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 09/27/06 19:18

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	MDL	RL	CONC	Q
120-58-1	Isosafrole	110	370		U
143-50-0	Kepone	110	370		U
91-80-5	Methapyrilene	110	370		U
56-49-5	3-Methylcholanthrene	110	370		U
66-27-3	Methyl methanesulfonate	110	370		U
91-57-6	2-Methylnaphthalene	44	370	1400	
106-44-5	4-Methylphenol	110	370		U
108-39-4	3-Methylphenol	110	370		U
95-48-7	2-Methylphenol	110	370		U
91-20-3	Naphthalene	44	370	350	I
130-15-4	1,4-Naphthoquinone	110	370		U
134-32-7	1-Naphthylamine	110	370		U
91-59-8	2-Naphthylamine	110	370		U
88-74-4	2-Nitroaniline	110	1500		U
99-09-2	3-Nitroaniline	110	1500		U
100-01-6	4-Nitroaniline	110	1500		U
98-95-3	Nitrobenzene	110	370		U
88-75-5	2-Nitrophenol	110	370		U
100-02-7	4-Nitrophenol	110	1500		U
56-57-5	4-Nitroquinoline-1-oxide	110	370		U
924-16-3	N-Nitrosodi-n-butylamine	110	370		U
55-18-5	N-Nitrosodiethylamine	110	370		U
62-75-9	N-Nitroso-di-methylamine	110	370		U
86-30-6	N-Nitrosodiphenylamine (1)	110	370		U
621-64-7	N-Nitroso-di-n-propylamine	110	370		U
10595-95-6	N-Nitrosomethylethylamine	110	370		U
59-89-2	N-Nitrosomorpholine	110	370		U
100-75-4	N-Nitrosopiperidine	110	370		U
930-55-2	N-Nitrosopyrrolidine	110	370		U
99-55-8	5-Nitro-o-toluidine	110	370		U
608-93-5	Pentachlorobenzene	110	370		U
82-68-8	Pentachloronitrobenzene	110	370		U
76-01-7	Pentachloroethane	110	370		U

(1) - Cannot be separated from Diphenylamine

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-DPW15-S4

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.B09061

Matrix: (soil/water) SOIL Lab Sample ID: 0609061-21

Sample wt/vol: 15.4 (g/mL) G Lab File ID: 0906121

% Moisture: 12 decanted: (Y/N) N Date Sampled: 09/11/06 16:40

Extraction: (SepF/Cont/Sonc/Soxh) SOXH Date Extracted:09/24/06

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 09/27/06 19:18

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	MDL	RL	CONC	Q
87-86-5	Pentachlorophenol	110	1500		U
62-44-2	Phenacetin	110	370		U
85-01-8	Phenanthrene	44	370		U
108-95-2	Phenol	110	370		U
106-50-3	p-Phenylenediamine	110	370		U
109-06-8	2-Picoline	110	370		U
23950-58-5	Pronamide	110	370		U
129-00-0	Pyrene	44	370		U
110-86-1	Pyridine	110	1500		U
94-59-7	Safrole	110	370		U
95-94-3	1,2,4,5-Tetrachlorobenzene	110	370		U
58-90-2	2,3,4,6-Tetrachlorophenol	110	370		U
95-53-4	o-Toluidine	110	370		U
120-82-1	1,2,4-Trichlorobenzene	110	370		U
95-95-4	2,4,5-Trichlorophenol	110	370		U
88-06-2	2,4,6-Trichlorophenol	110	370		U
126-68-1	O,O,O-Triethylphosphorothioa	110	370		U
99-35-4	sym-Trinitrobenzene	110	370		U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-DPW16-S4

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.B09061

Matrix: (soil/water) SOIL Lab Sample ID: 0609061-22

Sample wt/vol: 15.7 (g/mL) G Lab File ID: 0906122

% Moisture: 9 decanted: (Y/N) N Date Sampled: 09/11/06 16:55

Extraction: (SepF/Cont/Sonc/Soxh) SOXH Date Extracted:09/24/06

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 09/27/06 19:53

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	MDL	RL	CONC	Q
83-32-9	Acenaphthene	42	350		U
208-96-8	Acenaphthylene	42	350		U
98-86-2	Acetophenone	100	350		U
53-96-3	2-Acetylaminofluorene	100	350		U
92-67-1	4-Aminobiphenyl	100	350		U
62-53-3	Aniline	100	350		U
140-57-8	Aramite	100	350		U
120-12-7	Anthracene	42	350		U
1912-24-9	Atrazine	100	350		U
100-52-7	Benzaldehyde	100	350		U
56-55-3	Benzo(a)anthracene	42	350		U
205-99-2	Benzo(b)fluoranthene	42	350		U
207-08-9	Benzo(k)fluoranthene	42	350		U
191-24-2	Benzo(g,h,i)perylene	42	350		U
50-32-8	Benzo(a)pyrene	42	350		U
100-51-6	Benzyl alcohol	100	350		U
92-52-4	1,1'-Biphenyl	100	350		U
111-91-1	bis(2-Chloroethoxy)methane	100	350		U
111-44-4	bis(2-Chloroethyl)ether	100	350		U
108-60-1	bis(2-Chloroisopropyl)ether	100	350		U
117-81-7	Bis(2-ethylhexyl)phthalate	100	350		U
101-55-3	4-Bromophenyl-phenylether	100	350		U
85-68-7	Butylbenzylphthalate	100	350		U
105-60-2	Caprolactam	100	350		U
86-74-8	Carbazole	42	350		U
106-47-8	4-Chloroaniline	100	350		U
510-15-6	Chlorobenzilate	100	350		U
59-50-7	4-Chloro-3-methylphenol	100	350		U
91-58-7	2-Chloronaphthalene	100	350		U
95-57-8	2-Chlorophenol	100	350		U
7005-72-3	4-Chlorophenyl-phenylether	100	350		U
218-01-9	Chrysene	42	350		U
2303-16-4	Diallate	100	350		U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-DPW16-S4

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.B09061

Matrix: (soil/water) SOIL Lab Sample ID: 0609061-22

Sample wt/vol: 15.7 (g/mL) G Lab File ID: 0906122

% Moisture: 9 decanted: (Y/N) N Date Sampled: 09/11/06 16:55

Extraction: (SepF/Cont/Sonc/Soxh) SOXH Date Extracted:09/24/06

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 09/27/06 19:53

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	MDL	RL	CONC	Q
53-70-3	Dibenz(a,h)anthracene	42	350		U
132-64-9	Dibenzofuran	100	350		U
91-94-1	3,3'-Dichlorobenzidine	160	350		U
120-83-2	2,4-Dichlorophenol	100	350		U
87-65-0	2,6-Dichlorophenol	100	350		U
84-66-2	Diethylphthalate	100	350		U
60-51-5	Dimethoate	100	350		U
60-11-7	p-(Dimethylamino)azobenzene	100	350		U
57-97-6	7,12-Dimethylbenz[a]anthrace	100	350		U
119-93-7	3,3'-Dimethylbenzidine	100	350		U
122-09-8	a,a-Dimethyl-phenethylamine	100	350		U
105-67-9	2,4-Dimethylphenol	100	1400		U
131-11-3	Dimethylphthalate	100	350		U
84-74-2	Di-n-butylphthalate	100	350		U
99-65-0	m-Dinitrobenzene	100	350		U
534-52-1	4,6-Dinitro-2-methylphenol	100	1400		U
51-28-5	2,4-Dinitrophenol	100	3500		U
121-14-2	2,4-Dinitrotoluene	100	350		U
606-20-2	2,6-Dinitrotoluene	100	350		U
117-84-0	Di-n-octylphthalate	100	350		U
122-39-4	Diphenylamine	100	350		U
62-50-0	Ethyl methanesulfonate	100	350		U
206-44-0	Fluoranthene	42	350		U
86-73-7	Fluorene	42	350		U
118-74-1	Hexachlorobenzene	100	350		U
87-68-3	Hexachlorobutadiene	100	350		U
77-47-4	Hexachlorocyclopentadiene	100	350		U
67-72-1	Hexachloroethane	100	350		U
70-30-4	Hexachlorophene	100	700		U
1888-71-7	Hexachloropropene	100	350		U
193-39-5	Indeno(1,2,3-cd)pyrene	42	350		U
465-73-6	Isodrin	100	350		U
78-59-1	Isophorone	100	350		U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-DPW16-S4

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.B09061

Matrix: (soil/water) SOIL Lab Sample ID: 0609061-22

Sample wt/vol: 15.7 (g/mL) G Lab File ID: 0906122

% Moisture: 9 decanted: (Y/N) N Date Sampled: 09/11/06 16:55

Extraction: (SepF/Cont/Sonc/Soxh) SOXH Date Extracted:09/24/06

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 09/27/06 19:53

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG MDL	RL	CONC	Q
120-58-1	Isosafrole	100	350		U
143-50-0	Kepone	100	350		U
91-80-5	Methapyrilene	100	350		U
56-49-5	3-Methylcholanthrene	100	350		U
66-27-3	Methyl methanesulfonate	100	350		U
91-57-6	2-Methylnaphthalene	42	350		U
106-44-5	4-Methylphenol	100	350		U
108-39-4	3-Methylphenol	100	350		U
95-48-7	2-Methylphenol	100	350		U
91-20-3	Naphthalene	42	350		U
130-15-4	1,4-Naphthoquinone	100	350		U
134-32-7	1-Naphthylamine	100	350		U
91-59-8	2-Naphthylamine	100	350		U
88-74-4	2-Nitroaniline	100	1400		U
99-09-2	3-Nitroaniline	100	1400		U
100-01-6	4-Nitroaniline	100	1400		U
98-95-3	Nitrobenzene	100	350		U
88-75-5	2-Nitrophenol	100	350		U
100-02-7	4-Nitrophenol	100	1400		U
56-57-5	4-Nitroquinoline-1-oxide	100	350		U
924-16-3	N-Nitrosodi-n-butylamine	100	350		U
55-18-5	N-Nitrosodiethylamine	100	350		U
62-75-9	N-Nitroso-di-methylamine	100	350		U
86-30-6	N-Nitrosodiphenylamine (1)	100	350		U
621-64-7	N-Nitroso-di-n-propylamine	100	350		U
10595-95-6	N-Nitrosomethylethylamine	100	350		U
59-89-2	N-Nitrosomorpholine	100	350		U
100-75-4	N-Nitrosopiperidine	100	350		U
930-55-2	N-Nitrosopyrrolidine	100	350		U
99-55-8	5-Nitro-o-toluidine	100	350		U
608-93-5	Pentachlorobenzene	100	350		U
82-68-8	Pentachloronitrobenzene	100	350		U
76-01-7	Pentachloroethane	100	350		U

(1) - Cannot be separated from Diphenylamine

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-DPW16-S4

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.B09061

Matrix: (soil/water) SOIL Lab Sample ID: 0609061-22

Sample wt/vol: 15.7 (g/mL) G Lab File ID: 0906122

% Moisture: 9 decanted: (Y/N) N Date Sampled: 09/11/06 16:55

Extraction: (SepF/Cont/Sonc/Soxh) SOXH Date Extracted:09/24/06

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 09/27/06 19:53

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	MDL	RL	CONC	Q
87-86-5	Pentachlorophenol	100	1400		U
62-44-2	Phenacetin	100	350		U
85-01-8	Phenanthrene	42	350		U
108-95-2	Phenol	100	350		U
106-50-3	p-Phenylenediamine	100	350		U
109-06-8	2-Picoline	100	350		U
23950-58-5	Pronamide	100	350		U
129-00-0	Pyrene	42	350		U
110-86-1	Pyridine	100	1400		U
94-59-7	Safrole	100	350		U
95-94-3	1,2,4,5-Tetrachlorobenzene	100	350		U
58-90-2	2,3,4,6-Tetrachlorophenol	100	350		U
95-53-4	o-Toluidine	100	350		U
120-82-1	1,2,4-Trichlorobenzene	100	350		U
95-95-4	2,4,5-Trichlorophenol	100	350		U
88-06-2	2,4,6-Trichlorophenol	100	350		U
126-68-1	O,O,O-Triethylphosphorothioa	100	350		U
99-35-4	sym-Trinitrobenzene	100	350		U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-DPW17-S12

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.B09061

Matrix: (soil/water) SOIL Lab Sample ID: 0609061-23

Sample wt/vol: 15.6 (g/mL) G Lab File ID: 0906123

% Moisture: 6 decanted: (Y/N) N Date Sampled: 09/11/06 17:10

Extraction: (SepF/Cont/Sonc/Soxh) SOXH Date Extracted:09/24/06

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 09/28/06 15:23

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	MDL	RL	CONC	Q
83-32-9	Acenaphthene	41	340		U
208-96-8	Acenaphthylene	41	340		U
98-86-2	Acetophenone	100	340		U
53-96-3	2-Acetylaminofluorene	100	340		U
92-67-1	4-Aminobiphenyl	100	340		U
62-53-3	Aniline	100	340		U
140-57-8	Aramite	100	340		U
120-12-7	Anthracene	41	340		U
1912-24-9	Atrazine	100	340		U
100-52-7	Benzaldehyde	100	340		U
56-55-3	Benzo(a)anthracene	41	340		U
205-99-2	Benzo(b)fluoranthene	41	340		U
207-08-9	Benzo(k)fluoranthene	41	340		U
191-24-2	Benzo(g,h,i)perylene	41	340		U
50-32-8	Benzo(a)pyrene	41	340		U
100-51-6	Benzyl alcohol	100	340		U
92-52-4	1,1'-Biphenyl	100	340		U
111-91-1	bis(2-Chloroethoxy)methane	100	340		U
111-44-4	bis(2-Chloroethyl)ether	100	340		U
108-60-1	bis(2-Chloroisopropyl)ether	100	340		U
117-81-7	Bis(2-ethylhexyl)phthalate	100	340		U
101-55-3	4-Bromophenyl-phenylether	100	340		U
85-68-7	Butylbenzylphthalate	100	340		U
105-60-2	Caprolactam	100	340		U
86-74-8	Carbazole	41	340		U
106-47-8	4-Chloroaniline	100	340		U
510-15-6	Chlorobenzilate	100	340		U
59-50-7	4-Chloro-3-methylphenol	100	340		U
91-58-7	2-Chloronaphthalene	100	340		U
95-57-8	2-Chlorophenol	100	340		U
7005-72-3	4-Chlorophenyl-phenylether	100	340		U
218-01-9	Chrysene	41	340		U
2303-16-4	Diallate	100	340		U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-DPW17-S12

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.B09061

Matrix: (soil/water) SOIL Lab Sample ID: 0609061-23

Sample wt/vol: 15.6 (g/mL) G Lab File ID: 0906123

% Moisture: 6 decanted: (Y/N) N Date Sampled: 09/11/06 17:10

Extraction: (SepF/Cont/Sonc/Soxh) SOXH Date Extracted:09/24/06

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 09/28/06 15:23

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	MDL	RL	CONC	Q
53-70-3	Dibenz(a,h)anthracene	41	340		U
132-64-9	Dibenzofuran	100	340		U
91-94-1	3,3'-Dichlorobenzidine	150	340		U
120-83-2	2,4-Dichlorophenol	100	340		U
87-65-0	2,6-Dichlorophenol	100	340		U
84-66-2	Diethylphthalate	100	340		U
60-51-5	Dimethoate	100	340		U
60-11-7	p-(Dimethylamino)azobenzene	100	340		U
57-97-6	7,12-Dimethylbenz[a]anthrace	100	340		U
119-93-7	3,3'-Dimethylbenzidine	100	340		U
122-09-8	a,a-Dimethyl-phenethylamine	100	340		U
105-67-9	2,4-Dimethylphenol	100	1400		U
131-11-3	Dimethylphthalate	100	340		U
84-74-2	Di-n-butylphthalate	100	340		U
99-65-0	m-Dinitrobenzene	100	340		U
534-52-1	4,6-Dinitro-2-methylphenol	100	1400		U
51-28-5	2,4-Dinitrophenol	100	3400		U
121-14-2	2,4-Dinitrotoluene	100	340		U
606-20-2	2,6-Dinitrotoluene	100	340		U
117-84-0	Di-n-octylphthalate	100	340		U
122-39-4	Diphenylamine	100	340		U
62-50-0	Ethyl methanesulfonate	100	340		U
206-44-0	Fluoranthene	41	340		U
86-73-7	Fluorene	41	340		U
118-74-1	Hexachlorobenzene	100	340		U
87-68-3	Hexachlorobutadiene	100	340		U
77-47-4	Hexachlorocyclopentadiene	100	340		U
67-72-1	Hexachloroethane	100	340		U
70-30-4	Hexachlorophene	100	680		U
1888-71-7	Hexachloropropene	100	340		U
193-39-5	Indeno(1,2,3-cd)pyrene	41	340		U
465-73-6	Isodrin	100	340		U
78-59-1	Isophorone	100	340		U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-DPW17-S12

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.B09061

Matrix: (soil/water) SOIL Lab Sample ID: 0609061-23

Sample wt/vol: 15.6 (g/mL) G Lab File ID: 0906123

% Moisture: 6 decanted: (Y/N) N Date Sampled: 09/11/06 17:10

Extraction: (SepF/Cont/Sonc/Soxh) SOXH Date Extracted:09/24/06

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 09/28/06 15:23

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	MDL	RL	CONC	Q
120-58-1	Isosafrole	100	340		U
143-50-0	Kepone	100	340		U
91-80-5	Methapyrilene	100	340		U
56-49-5	3-Methylcholanthrene	100	340		U
66-27-3	Methyl methanesulfonate	100	340		U
91-57-6	2-Methylnaphthalene	41	340		U
106-44-5	4-Methylphenol	100	340		U
108-39-4	3-Methylphenol	100	340		U
95-48-7	2-Methylphenol	100	340		U
91-20-3	Naphthalene	41	340		U
130-15-4	1,4-Naphthoquinone	100	340		U
134-32-7	1-Naphthylamine	100	340		U
91-59-8	2-Naphthylamine	100	340		U
88-74-4	2-Nitroaniline	100	1400		U
99-09-2	3-Nitroaniline	100	1400		U
100-01-6	4-Nitroaniline	100	1400		U
98-95-3	Nitrobenzene	100	340		U
88-75-5	2-Nitrophenol	100	340		U
100-02-7	4-Nitrophenol	100	1400		U
56-57-5	4-Nitroquinoline-1-oxide	100	340		U
924-16-3	N-Nitrosodi-n-butylamine	100	340		U
55-18-5	N-Nitrosodiethylamine	100	340		U
62-75-9	N-Nitroso-di-methylamine	100	340		U
86-30-6	N-Nitrosodiphenylamine (1)	100	340		U
621-64-7	N-Nitroso-di-n-propylamine	100	340		U
10595-95-6	N-Nitrosomethylethylamine	100	340		U
59-89-2	N-Nitrosomorpholine	100	340		U
100-75-4	N-Nitrosopiperidine	100	340		U
930-55-2	N-Nitrosopyrrolidine	100	340		U
99-55-8	5-Nitro-o-toluidine	100	340		U
608-93-5	Pentachlorobenzene	100	340		U
82-68-8	Pentachloronitrobenzene	100	340		U
76-01-7	Pentachloroethane	100	340		U

(1) - Cannot be separated from Diphenylamine

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-DPW17-S12

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.B09061

Matrix: (soil/water) SOIL Lab Sample ID: 0609061-23

Sample wt/vol: 15.6 (g/mL) G Lab File ID: 0906123

% Moisture: 6 decanted: (Y/N) N Date Sampled: 09/11/06 17:10

Extraction: (SepF/Cont/Sonc/Soxh) SOXH Date Extracted:09/24/06

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 09/28/06 15:23

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	MDL	RL	CONC	Q
87-86-5	Pentachlorophenol	100	1400		U
62-44-2	Phenacetin	100	340		U
85-01-8	Phenanthrene	41	340		U
108-95-2	Phenol	100	340		U
106-50-3	p-Phenylenediamine	100	340		U
109-06-8	2-Picoline	100	340		U
23950-58-5	Pronamide	100	340		U
129-00-0	Pyrene	41	340		U
110-86-1	Pyridine	100	1400		U
94-59-7	Safrole	100	340		U
95-94-3	1,2,4,5-Tetrachlorobenzene	100	340		U
58-90-2	2,3,4,6-Tetrachlorophenol	100	340		U
95-53-4	o-Toluidine	100	340		U
120-82-1	1,2,4-Trichlorobenzene	100	340		U
95-95-4	2,4,5-Trichlorophenol	100	340		U
88-06-2	2,4,6-Trichlorophenol	100	340		U
126-68-1	O,O,O-Triethylphosphorothioa	100	340		U
99-35-4	sym-Trinitrobenzene	100	340		U

USEPA - 6010B
- 1 -
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-DPW10-S45

Lab Name: Empirical Labs Contract: TetraTech NUS, Inc.

Lab Code: ELABN Case No.: SAS No.: SDG: 0609061

Matrix: SOIL Lab Sample ID: 0609061-05

Level (low/med): LOW Date Sampled: 09/11/06

% Solids: 85.0 Date Received: 09/12/06

Concentration Units (ug/L or mg/kg dry weight): mg/Kg

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
7440-22-4	Silver	0.058	0.58		U		P
7429-90-5	Aluminum	4.3	11.6	1440			P
7440-38-2	Arsenic	0.17	0.58	1.8			P
7440-39-3	Barium	0.29	11.6	1.5	I		P
7440-41-7	Beryllium	0.23	0.58		U		P
7440-70-2	Calcium	58.0	290		U		P
7440-43-9	Cadmium	0.058	0.29		U		P
7440-48-4	Cobalt	0.29	2.9		U		P
7440-47-3	Chromium	0.12	0.58	3.7			P
7440-50-8	Copper	0.29	1.4	1.0	I		P
7439-89-6	Iron	1.7	5.8	2410			P
7440-09-7	Potassium	58.0	290		U		P
7439-95-4	Magnesium	58.0	290		U		P
7439-96-5	Manganese	0.17	0.87	1.3			P

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

Empirical Laboratories

USEPA - 6010B

- 1 -

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-DPW10-S45

Lab Name: Empirical Labs Contract: TetraTech NUS, Inc.

Lab Code: ELABN Case No.: SAS No.: SDG: 0609061

Matrix: SOIL Lab Sample ID: 0609061-05

Level (low/med): LOW Date Sampled: 09/11/06

% Solids: 85.0 Date Received: 09/12/06

Concentration Units (ug/L or mg/kg dry weight): mg/Kg

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
7440-23-5	Sodium	58.0	290		U		P
7440-02-0	Nickel	0.29	2.3		U		P
7439-92-1	Lead	0.087	0.17	1.9			P
7440-36-0	Antimony	0.29	3.5		U		P
7782-49-2	Selenium	0.29	0.58		U		P
7440-28-0	Thallium	0.29	0.58		U		P
7440-62-2	Vanadium	0.29	2.9	9.1			P
7440-66-6	Zinc	0.58	1.2	0.87	I		P

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: Thallium MDL increased due to negative bias (-4.14 ug/L) SMG 10/4/06

Empirical Laboratories

USEPA - 7471A
- 1 -
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-DPW10-S45

Lab Name: Empirical Labs Contract: TetraTech NUS, Inc.

Lab Code: ELABN Case No.: SAS No.: SDG: 0609061

Matrix: SOIL Lab Sample ID: 0609061-05

Level (low/med): LOW Date Sampled: 09/11/06

% Solids: 85.0 Date Received: 09/12/06

Concentration Units (ug/L or mg/kg dry weight): mg/Kg

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
7439-97-6	Mercury	0.015	0.037		U		AV

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

_____

_____

Empirical Laboratories

USEPA - 9012A
- 1 -
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-DPW10-S45

Lab Name: Empirical Labs Contract: TetraTech NUS, Inc.

Lab Code: ELABN Case No.: SAS No.: SDG: 0609061

Matrix: SOIL Lab Sample ID: 0609061-05

Level (low/med): LOW Date Sampled: 09/11/06

% Solids: 85.0 Date Received: 09/12/06

Concentration Units (ug/L or mg/kg dry weight): mg/Kg

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
57-12-5	Cyanide	0.15	0.29		U		AS

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

USEPA - 6010B

- 1 -

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-DPW11-S45

Lab Name: Empirical Labs Contract: TetraTech NUS, Inc.

Lab Code: ELABN Case No.: SAS No.: SDG: 0609061

Matrix: SOIL Lab Sample ID: 0609061-07

Level (low/med): LOW Date Sampled: 09/11/06

% Solids: 91.0 Date Received: 09/12/06

Concentration Units (ug/L or mg/kg dry weight): mg/Kg

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
7440-22-4	Silver	0.056	0.56		U		P
7429-90-5	Aluminum	4.2	11.3	1380			P
7440-38-2	Arsenic	0.17	0.56	0.66			P
7440-39-3	Barium	0.28	11.3	1.2	I		P
7440-41-7	Beryllium	0.23	0.56		U		P
7440-70-2	Calcium	56.4	282		U		P
7440-43-9	Cadmium	0.056	0.28		U		P
7440-48-4	Cobalt	0.28	2.8		U		P
7440-47-3	Chromium	0.11	0.56	2.5			P
7440-50-8	Copper	0.28	1.4	0.71	I		P
7439-89-6	Iron	1.7	5.6	857			P
7440-09-7	Potassium	56.4	282		U		P
7439-95-4	Magnesium	56.4	282		U		P
7439-96-5	Manganese	0.17	0.85	1.0			P

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

Empirical Laboratories

USEPA - 6010B
- 1 -
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-DPW11-S45

Lab Name: Empirical Labs Contract: TetraTech NUS, Inc.

Lab Code: ELABN Case No.: SAS No.: SDG: 0609061

Matrix: SOIL Lab Sample ID: 0609061-07

Level (low/med): LOW Date Sampled: 09/11/06

% Solids: 91.0 Date Received: 09/12/06

Concentration Units (ug/L or mg/kg dry weight): mg/Kg

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
7440-23-5	Sodium	56.4	282		U		P
7440-02-0	Nickel	0.28	2.3		U		P
7439-92-1	Lead	0.085	0.17	1.3			P
7440-36-0	Antimony	0.28	3.4		U		P
7782-49-2	Selenium	0.28	0.56		U		P
7440-28-0	Thallium	0.17	0.56		U		P
7440-62-2	Vanadium	0.28	2.8	4.6			P
7440-66-6	Zinc	0.56	1.1	0.79	I		P

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

Empirical Laboratories

USEPA - 7471A
- 1 -
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-DPW11-S45

Lab Name: Empirical Labs Contract: TetraTech NUS, Inc.

Lab Code: ELABN Case No.: SAS No.: SDG: 0609061

Matrix: SOIL Lab Sample ID: 0609061-07

Level (low/med): LOW Date Sampled: 09/11/06

% Solids: 91.0 Date Received: 09/12/06

Concentration Units (ug/L or mg/kg dry weight): mg/Kg

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
7439-97-6	Mercury	0.013	0.032		U		AV

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

_____

_____

USEPA - 9012A
- 1 -
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-DPW11-S45

Lab Name: Empirical Labs Contract: TetraTech NUS, Inc.

Lab Code: ELABN Case No.: SAS No.: SDG: 0609061

Matrix: SOIL Lab Sample ID: 0609061-07

Level (low/med): LOW Date Sampled: 09/11/06

% Solids: 91.0 Date Received: 09/12/06

Concentration Units (ug/L or mg/kg dry weight): mg/Kg

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
57-12-5	Cyanide	0.14	0.28		U		AS

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

_____

_____

Empirical Laboratories

USEPA - 6010B
- 1 -
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-DPW7-S45

Lab Name: Empirical Labs Contract: TetraTech NUS, Inc.

Lab Code: ELABN Case No.: SAS No.: SDG: 0609061

Matrix: SOIL Lab Sample ID: 0609061-08

Level (low/med): LOW Date Sampled: 09/11/06

% Solids: 84.0 Date Received: 09/12/06

Concentration Units (ug/L or mg/kg dry weight): mg/Kg

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
7440-22-4	Silver	0.12	0.61		U		P
7429-90-5	Aluminum	4.6	12.2	1640			P
7440-38-2	Arsenic	0.18	0.61	2.9			P
7440-39-3	Barium	0.31	12.2	2.0	I		P
7440-41-7	Beryllium	0.24	0.61		U		P
7440-70-2	Calcium	61.1	305		U		P
7440-43-9	Cadmium	0.061	0.30		U		P
7440-48-4	Cobalt	0.31	3.1		U		P
7440-47-3	Chromium	0.12	0.61	4.7			P
7440-50-8	Copper	0.31	1.5	1.0	I		P
7439-89-6	Iron	1.8	6.1	3090			P
7440-09-7	Potassium	61.1	305		U		P
7439-95-4	Magnesium	61.1	305		U		P
7439-96-5	Manganese	0.18	0.92	1.3			P

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: Silver MDL increased due to negative bias (-1.03 ug/L) sme 10/4/06

Empirical Laboratories

USEPA - 6010B
- 1 -
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-DPW7-S45

Lab Name: Empirical Labs Contract: TetraTech NUS, Inc.

Lab Code: ELABN Case No.: SAS No.: SDG: 0609061

Matrix: SOIL Lab Sample ID: 0609061-08

Level (low/med): LOW Date Sampled: 09/11/06

% Solids: 84.0 Date Received: 09/12/06

Concentration Units (ug/L or mg/kg dry weight): mg/Kg

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
7440-23-5	Sodium	61.1	305		U		P
7440-02-0	Nickel	0.31	2.4		U		P
7439-92-1	Lead	0.092	0.18	2.3			P
7440-36-0	Antimony	0.31	3.7		U		P
7782-49-2	Selenium	0.31	0.61		U		P
7440-28-0	Thallium	0.18	0.61		U		P
7440-62-2	Vanadium	0.31	3.1	10.9			P
7440-66-6	Zinc	0.61	1.2		U		P

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

USEPA - 7471A
- 1 -
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-DPW7-S45

Lab Name: Empirical Labs Contract: TetraTech NUS, Inc.

Lab Code: ELABN Case No.: SAS No.: SDG: 0609061

Matrix: SOIL Lab Sample ID: 0609061-08

Level (low/med): LOW Date Sampled: 09/11/06

% Solids: 84.0 Date Received: 09/12/06

Concentration Units (ug/L or mg/kg dry weight): mg/Kg

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
7439-97-6	Mercury	0.016	0.040		U		AV

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

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USEPA - 9012A

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-DPW7-S45

Lab Name: Empirical Labs Contract: TetraTech NUS, Inc.

Lab Code: ELABN Case No.: SAS No.: SDG: 0609061

Matrix: SOIL Lab Sample ID: 0609061-08

Level (low/med): LOW Date Sampled: 09/11/06

% Solids: 84.0 Date Received: 09/12/06

Concentration Units (ug/L or mg/kg dry weight): mg/Kg

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
57-12-5	Cyanide	0.15	0.30	0.17	I		AS

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

USEPA - 6010B
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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-DPW12-S45

Lab Name: Empirical Labs Contract: TetraTech NUS, Inc.

Lab Code: ELABN Case No.: SAS No.: SDG: 0609061

Matrix: SOIL Lab Sample ID: 0609061-10

Level (low/med): LOW Date Sampled: 09/11/06

% Solids: 86.0 Date Received: 09/12/06

Concentration Units (ug/L or mg/kg dry weight): mg/Kg

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
7440-22-4	Silver	0.053	0.53		U		P
7429-90-5	Aluminum	4.0	10.6	1270			P
7440-38-2	Arsenic	0.16	0.53	0.80			P
7440-39-3	Barium	0.27	10.6	1.3	I		P
7440-41-7	Beryllium	0.21	0.53		U		P
7440-70-2	Calcium	53.1	265	58.7	I		P
7440-43-9	Cadmium	0.053	0.27		U		P
7440-48-4	Cobalt	0.27	2.7		U		P
7440-47-3	Chromium	0.11	0.53	2.4			P
7440-50-8	Copper	0.27	1.3	0.93	I		P
7439-89-6	Iron	1.6	5.3	942			P
7440-09-7	Potassium	53.1	265		U		P
7439-95-4	Magnesium	53.1	265		U		P
7439-96-5	Manganese	0.16	0.80	1.2			P

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

USEPA - 6010B
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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-DPW12-S45

Lab Name: Empirical Labs Contract: TetraTech NUS, Inc.

Lab Code: ELABN Case No.: SAS No.: SDG: 0609061

Matrix: SOIL Lab Sample ID: 0609061-10

Level (low/med): LOW Date Sampled: 09/11/06

% Solids: 86.0 Date Received: 09/12/06

Concentration Units (ug/L or mg/kg dry weight): mg/Kg

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
7440-23-5	Sodium	53.1	265	1090			P
7440-02-0	Nickel	0.27	2.1		U		P
7439-92-1	Lead	0.080	0.16	1.5			P
7440-36-0	Antimony	0.27	3.2		U		P
7782-49-2	Selenium	0.27	0.53		U		P
7440-28-0	Thallium	0.21	0.53		U		P
7440-62-2	Vanadium	0.27	2.7	5.3			P
7440-66-6	Zinc	0.53	1.1	0.54	I		P

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: Thallium MDL increased due to negative bias (-3.19 ug/L) smc 10/4/06

Empirical Laboratories

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-DPW12-S45

Lab Name: Empirical Labs Contract: TetraTech NUS, Inc.

Lab Code: ELABN Case No.: SAS No.: SDG: 0609061

Matrix: SOIL Lab Sample ID: 0609061-10

Level (low/med): LOW Date Sampled: 09/11/06

% Solids: 86.0 Date Received: 09/12/06

Concentration Units (ug/L or mg/kg dry weight): mg/Kg

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
7439-97-6	Mercury	0.012	0.031		U		AV

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

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Empirical Laboratories

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-DPW12-S45

Lab Name: Empirical Labs Contract: TetraTech NUS, Inc.

Lab Code: ELABN Case No.: SAS No.: SDG: 0609061

Matrix: SOIL Lab Sample ID: 0609061-10

Level (low/med): LOW Date Sampled: 09/11/06

% Solids: 86.0 Date Received: 09/12/06

Concentration Units (ug/L or mg/kg dry weight): mg/Kg

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
57-12-5	Cyanide	0.15	0.29		U		AS

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

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Empirical Laboratories

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-DPW22-S26

Lab Name: Empirical Labs Contract: TetraTech NUS, Inc.

Lab Code: ELABN Case No.: SAS No.: SDG: 0609061

Matrix: SOIL Lab Sample ID: 0609061-16

Level (low/med): LOW Date Sampled: 09/11/06

% Solids: 95.0 Date Received: 09/12/06

Concentration Units (ug/L or mg/kg dry weight): mg/Kg

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
7440-22-4	Silver	0.049	0.49		U		P
7429-90-5	Aluminum	3.7	9.8	1700			P
7440-38-2	Arsenic	0.15	0.49	0.62			P
7440-39-3	Barium	0.25	9.8	0.55	I		P
7440-41-7	Beryllium	0.20	0.49		U		P
7440-70-2	Calcium	49.2	246		U		P
7440-43-9	Cadmium	0.049	0.25		U		P
7440-48-4	Cobalt	0.25	2.5		U		P
7440-47-3	Chromium	0.10	0.49	4.0			P
7440-50-8	Copper	0.25	1.2	0.70	I		P
7439-89-6	Iron	1.5	4.9	1400			P
7440-09-7	Potassium	49.2	246		U		P
7439-95-4	Magnesium	49.2	246		U		P
7439-96-5	Manganese	0.15	0.74	2.6			P

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-DPW22-S26

Lab Name: Empirical Labs Contract: TetraTech NUS, Inc.

Lab Code: ELABN Case No.: SAS No.: SDG: 0609061

Matrix: SOIL Lab Sample ID: 0609061-16

Level (low/med): LOW Date Sampled: 09/11/06

% Solids: 95.0 Date Received: 09/12/06

Concentration Units (ug/L or mg/kg dry weight): mg/Kg

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
7440-23-5	Sodium	49.2	246		U		P
7440-02-0	Nickel	0.25	2.0	0.37	I		P
7439-92-1	Lead	0.074	0.15	0.60			P
7440-36-0	Antimony	0.25	3.0		U		P
7782-49-2	Selenium	0.25	0.49		U		P
7440-28-0	Thallium	0.20	0.49		U		P
7440-62-2	Vanadium	0.25	2.5	2.4	I		P
7440-66-6	Zinc	0.49	0.98	1.8			P

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: Thallium MDL increased due to negative bias (-3.93 ug/L) SMG 10/4/06

Empirical Laboratories

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-DPW22-S26

Lab Name: Empirical Labs Contract: TetraTech NUS, Inc.

Lab Code: ELABN Case No.: SAS No.: SDG: 0609061

Matrix: SOIL Lab Sample ID: 0609061-16

Level (low/med): LOW Date Sampled: 09/11/06

% Solids: 95.0 Date Received: 09/12/06

Concentration Units (ug/L or mg/kg dry weight): mg/Kg

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
7439-97-6	Mercury	0.014	0.035		U		AV

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

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Empirical Laboratories

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-DPW22-S26

Lab Name: Empirical Labs Contract: TetraTech NUS, Inc.

Lab Code: ELABN Case No.: SAS No.: SDG: 0609061

Matrix: SOIL Lab Sample ID: 0609061-16

Level (low/med): LOW Date Sampled: 09/11/06

% Solids: 95.0 Date Received: 09/12/06

Concentration Units (ug/L or mg/kg dry weight): mg/Kg

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
57-12-5	Cyanide	0.13	0.26		U		AS

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-DPW13-S4

Lab Name: Empirical Labs Contract: TetraTech NUS, Inc.

Lab Code: ELABN Case No.: SAS No.: SDG: 0609061

Matrix: SOIL Lab Sample ID: 0609061-19

Level (low/med): LOW Date Sampled: 09/11/06

% Solids: 90.0 Date Received: 09/12/06

Concentration Units (ug/L or mg/kg dry weight): mg/Kg

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
7440-22-4	Silver	0.054	0.54		U		P
7429-90-5	Aluminum	4.1	10.9	6400			P
7440-38-2	Arsenic	0.16	0.54	0.83			P
7440-39-3	Barium	0.27	10.9	9.0	I		P
7440-41-7	Beryllium	0.22	0.54		U		P
7440-70-2	Calcium	54.5	272	482			P
7440-43-9	Cadmium	0.054	0.27		U		P
7440-48-4	Cobalt	0.27	2.7	0.58	I		P
7440-47-3	Chromium	0.11	0.54	4.1			P
7440-50-8	Copper	0.27	1.4	2.2			P
7439-89-6	Iron	1.6	5.4	2660			P
7440-09-7	Potassium	54.5	272	60.4	I		P
7439-95-4	Magnesium	54.5	272	110	I		P
7439-96-5	Manganese	0.16	0.82	18.9			P

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-DPW13-S4

Lab Name: Empirical Labs Contract: TetraTech NUS, Inc.

Lab Code: ELABN Case No.: SAS No.: SDG: 0609061

Matrix: SOIL Lab Sample ID: 0609061-19

Level (low/med): LOW Date Sampled: 09/11/06

% Solids: 90.0 Date Received: 09/12/06

Concentration Units (ug/L or mg/kg dry weight): mg/Kg

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
7440-23-5	Sodium	54.5	272		U		P
7440-02-0	Nickel	0.27	2.2	1.6	I		P
7439-92-1	Lead	0.082	0.16	2.5			P
7440-36-0	Antimony	0.27	3.3		U		P
7782-49-2	Selenium	0.27	0.54		U		P
7440-28-0	Thallium	0.22	0.54		U		P
7440-62-2	Vanadium	0.27	2.7	7.9			P
7440-66-6	Zinc	0.54	1.1	4.2			P

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: Thallium MDL increased due to negative bias (-3.04 ug/L) gmb 10/4/06

Empirical Laboratories

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-DPW13-S4

Lab Name: Empirical Labs Contract: TetraTech NUS, Inc.

Lab Code: ELABN Case No.: SAS No.: SDG: 0609061

Matrix: SOIL Lab Sample ID: 0609061-19

Level (low/med): LOW Date Sampled: 09/11/06

% Solids: 90.0 Date Received: 09/12/06

Concentration Units (ug/L or mg/kg dry weight): mg/Kg

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
7439-97-6	Mercury	0.014	0.034		U		AV

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

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Empirical Laboratories

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-DPW13-S4

Lab Name: Empirical Labs Contract: TetraTech NUS, Inc.

Lab Code: ELABN Case No.: SAS No.: SDG: 0609061

Matrix: SOIL Lab Sample ID: 0609061-19

Level (low/med): LOW Date Sampled: 09/11/06

% Solids: 90.0 Date Received: 09/12/06

Concentration Units (ug/L or mg/kg dry weight): mg/Kg

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
57-12-5	Cyanide	0.14	0.28		U		AS

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

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Empirical Laboratories

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-DPW14-S6

Lab Name: Empirical Labs Contract: TetraTech NUS, Inc.

Lab Code: ELABN Case No.: SAS No.: SDG: 0609061

Matrix: SOIL Lab Sample ID: 0609061-20

Level (low/med): LOW Date Sampled: 09/11/06

% Solids: 92.0 Date Received: 09/12/06

Concentration Units (ug/L or mg/kg dry weight): mg/Kg

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
7440-22-4	Silver	0.054	0.54		U		P
7429-90-5	Aluminum	4.1	10.9	9910			P
7440-38-2	Arsenic	0.16	0.54	1.4			P
7440-39-3	Barium	0.27	10.9	13.6			P
7440-41-7	Beryllium	0.22	0.54		U		P
7440-70-2	Calcium	54.3	272	410			P
7440-43-9	Cadmium	0.054	0.27		U		P
7440-48-4	Cobalt	0.27	2.7	0.93	I		P
7440-47-3	Chromium	0.11	0.54	6.2			P
7440-50-8	Copper	0.27	1.4	3.5			P
7439-89-6	Iron	1.6	5.4	5140			P
7440-09-7	Potassium	54.3	272	116	I		P
7439-95-4	Magnesium	54.3	272	177	I		P
7439-96-5	Manganese	0.16	0.82	202			P

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

Empirical Laboratories

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-DPW14-S6

Lab Name: Empirical Labs Contract: TetraTech NUS, Inc.

Lab Code: ELABN Case No.: SAS No.: SDG: 0609061

Matrix: SOIL Lab Sample ID: 0609061-20

Level (low/med): LOW Date Sampled: 09/11/06

% Solids: 92.0 Date Received: 09/12/06

Concentration Units (ug/L or mg/kg dry weight): mg/Kg

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
7440-23-5	Sodium	54.3	272		U		P
7440-02-0	Nickel	0.27	2.2	2.5			P
7439-92-1	Lead	0.082	0.16	3.3			P
7440-36-0	Antimony	0.27	3.3		U		P
7782-49-2	Selenium	0.27	0.54		U		P
7440-28-0	Thallium	0.16	0.54		U		P
7440-62-2	Vanadium	0.27	2.7	12.6			P
7440-66-6	Zinc	0.54	1.1	6.1			P

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-DPW14-S6

Lab Name: Empirical Labs Contract: TetraTech NUS, Inc.

Lab Code: ELABN Case No.: SAS No.: SDG: 0609061

Matrix: SOIL Lab Sample ID: 0609061-20

Level (low/med): LOW Date Sampled: 09/11/06

% Solids: 92.0 Date Received: 09/12/06

Concentration Units (ug/L or mg/kg dry weight): mg/Kg

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
7439-97-6	Mercury	0.015	0.036		U		AV

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

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Empirical Laboratories

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-DPW14-S6

Lab Name: Empirical Labs Contract: TetraTech NUS, Inc.

Lab Code: ELABN Case No.: SAS No.: SDG: 0609061

Matrix: SOIL Lab Sample ID: 0609061-20

Level (low/med): LOW Date Sampled: 09/11/06

% Solids: 92.0 Date Received: 09/12/06

Concentration Units (ug/L or mg/kg dry weight): mg/Kg

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
57-12-5	Cyanide	0.14	0.27		U		AS

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

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Empirical Laboratories

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-DPW15-S4

Lab Name: Empirical Labs Contract: TetraTech NUS, Inc.

Lab Code: ELABN Case No.: SAS No.: SDG: 0609061

Matrix: SOIL Lab Sample ID: 0609061-21

Level (low/med): LOW Date Sampled: 09/11/06

% Solids: 88.0 Date Received: 09/12/06

Concentration Units (ug/L or mg/kg dry weight): mg/Kg

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
7440-22-4	Silver	0.050	0.50		U		P
7429-90-5	Aluminum	3.7	10.0	7920			P
7440-38-2	Arsenic	0.15	0.50	1.4			P
7440-39-3	Barium	0.25	10.0	18.5			P
7440-41-7	Beryllium	0.20	0.50		U		P
7440-70-2	Calcium	49.8	249	762			P
7440-43-9	Cadmium	0.050	0.25		U		P
7440-48-4	Cobalt	0.25	2.5	0.77	I		P
7440-47-3	Chromium	0.10	0.50	5.2			P
7440-50-8	Copper	0.25	1.2	3.4			P
7439-89-6	Iron	1.5	5.0	4580			P
7440-09-7	Potassium	49.8	249	91.6	I		P
7439-95-4	Magnesium	49.8	249	144	I		P
7439-96-5	Manganese	0.15	0.75	277			P

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-DPW15-S4

Lab Name: Empirical Labs Contract: TetraTech NUS, Inc.

Lab Code: ELABN Case No.: SAS No.: SDG: 0609061

Matrix: SOIL Lab Sample ID: 0609061-21

Level (low/med): LOW Date Sampled: 09/11/06

% Solids: 88.0 Date Received: 09/12/06

Concentration Units (ug/L or mg/kg dry weight): mg/Kg

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
7440-23-5	Sodium	49.8	249		U		P
7440-02-0	Nickel	0.25	2.0	2.2			P
7439-92-1	Lead	0.075	0.15	4.1			P
7440-36-0	Antimony	0.25	3.0		U		P
7782-49-2	Selenium	0.25	0.50		U		P
7440-28-0	Thallium	0.15	0.50		U		P
7440-62-2	Vanadium	0.25	2.5	10.0			P
7440-66-6	Zinc	0.50	1.0	7.1			P

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

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Empirical Laboratories

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-DPW15-S4

Lab Name: Empirical Labs Contract: TetraTech NUS, Inc.

Lab Code: ELABN Case No.: SAS No.: SDG: 0609061

Matrix: SOIL Lab Sample ID: 0609061-21

Level (low/med): LOW Date Sampled: 09/11/06

% Solids: 88.0 Date Received: 09/12/06

Concentration Units (ug/L or mg/kg dry weight): mg/Kg

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
7439-97-6	Mercury	0.014	0.036	0.019	I		AV

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

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Empirical Laboratories

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-DPW15-S4

Lab Name: Empirical Labs Contract: TetraTech NUS, Inc.

Lab Code: ELABN Case No.: SAS No.: SDG: 0609061

Matrix: SOIL Lab Sample ID: 0609061-21

Level (low/med): LOW Date Sampled: 09/11/06

% Solids: 88.0 Date Received: 09/12/06

Concentration Units (ug/L or mg/kg dry weight): mg/Kg

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
57-12-5	Cyanide	0.14	0.28		U		AS

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

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Empirical Laboratories

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-DPW16-S4

Lab Name: Empirical Labs Contract: TetraTech NUS, Inc.

Lab Code: ELABN Case No.: SAS No.: SDG: 0609061

Matrix: SOIL Lab Sample ID: 0609061-22

Level (low/med): LOW Date Sampled: 09/11/06

% Solids: 92.0 Date Received: 09/12/06

Concentration Units (ug/L or mg/kg dry weight): mg/Kg

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
7440-22-4	Silver	0.055	0.55		U		P
7429-90-5	Aluminum	4.1	11.0	8120			P
7440-38-2	Arsenic	0.17	0.55	1.3			P
7440-39-3	Barium	0.28	11.0	15.4			P
7440-41-7	Beryllium	0.22	0.55		U		P
7440-70-2	Calcium	55.2	276	754			P
7440-43-9	Cadmium	0.055	0.28		U		P
7440-48-4	Cobalt	0.28	2.8	0.77	I		P
7440-47-3	Chromium	0.11	0.55	5.4			P
7440-50-8	Copper	0.28	1.4	3.1			P
7439-89-6	Iron	1.7	5.5	4020			P
7440-09-7	Potassium	55.2	276	107	I		P
7439-95-4	Magnesium	55.2	276	150	I		P
7439-96-5	Manganese	0.17	0.83	152			P

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

USEPA - 6010B
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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-DPW16-S4

Lab Name: Empirical Labs Contract: TetraTech NUS, Inc.

Lab Code: ELABN Case No.: SAS No.: SDG: 0609061

Matrix: SOIL Lab Sample ID: 0609061-22

Level (low/med): LOW Date Sampled: 09/11/06

% Solids: 92.0 Date Received: 09/12/06

Concentration Units (ug/L or mg/kg dry weight): mg/Kg

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
7440-23-5	Sodium	55.2	276		U		P
7440-02-0	Nickel	0.28	2.2	2.0	I		P
7439-92-1	Lead	0.083	0.17	3.2			P
7440-36-0	Antimony	0.28	3.3		U		P
7782-49-2	Selenium	0.28	0.55		U		P
7440-28-0	Thallium	0.17	0.55		U		P
7440-62-2	Vanadium	0.28	2.8	10.2			P
7440-66-6	Zinc	0.55	1.1	5.2			P

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

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Empirical Laboratories

USEPA - 7471A
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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-DPW16-S4

Lab Name: Empirical Labs Contract: TetraTech NUS, Inc.

Lab Code: ELABN Case No.: SAS No.: SDG: 0609061

Matrix: SOIL Lab Sample ID: 0609061-22

Level (low/med): LOW Date Sampled: 09/11/06

% Solids: 92.0 Date Received: 09/12/06

Concentration Units (ug/L or mg/kg dry weight): mg/Kg

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
7439-97-6	Mercury	0.014	0.035		U		AV

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

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Empirical Laboratories

USEPA - 9012A
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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-DPW16-S4

Lab Name: Empirical Labs Contract: TetraTech NUS, Inc.

Lab Code: ELABN Case No.: SAS No.: SDG: 0609061

Matrix: SOIL Lab Sample ID: 0609061-22

Level (low/med): LOW Date Sampled: 09/11/06

% Solids: 92.0 Date Received: 09/12/06

Concentration Units (ug/L or mg/kg dry weight): mg/Kg

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
57-12-5	Cyanide	0.14	0.27		U		AS

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

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Empirical Laboratories

USEPA - 6010B
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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-DPW17-S12

Lab Name: Empirical Labs Contract: TetraTech NUS, Inc.

Lab Code: ELABN Case No.: SAS No.: SDG: 0609061

Matrix: SOIL Lab Sample ID: 0609061-23

Level (low/med): LOW Date Sampled: 09/11/06

% Solids: 94.0 Date Received: 09/12/06

Concentration Units (ug/L or mg/kg dry weight): mg/Kg

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
7440-22-4	Silver	0.053	0.53		U		P
7429-90-5	Aluminum	4.0	10.6	12800			P
7440-38-2	Arsenic	0.16	0.53	2.0			P
7440-39-3	Barium	0.26	10.6	8.7	I		P
7440-41-7	Beryllium	0.21	0.53		U		P
7440-70-2	Calcium	52.9	265	116	I		P
7440-43-9	Cadmium	0.053	0.27		U		P
7440-48-4	Cobalt	0.26	2.6		U		P
7440-47-3	Chromium	0.11	0.53	9.3			P
7440-50-8	Copper	0.26	1.3	4.3			P
7439-89-6	Iron	1.6	5.3	7100			P
7440-09-7	Potassium	52.9	265	132	I		P
7439-95-4	Magnesium	52.9	265	149	I		P
7439-96-5	Manganese	0.16	0.79	15.7			P

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-DPW17-S12

Lab Name: Empirical Labs Contract: TetraTech NUS, Inc.

Lab Code: ELABN Case No.: SAS No.: SDG: 0609061

Matrix: SOIL Lab Sample ID: 0609061-23

Level (low/med): LOW Date Sampled: 09/11/06

% Solids: 94.0 Date Received: 09/12/06

Concentration Units (ug/L or mg/kg dry weight): mg/Kg

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
7440-23-5	Sodium	52.9	265		U		P
7440-02-0	Nickel	0.26	2.1	2.1	I		P
7439-92-1	Lead	0.079	0.16	3.2			P
7440-36-0	Antimony	0.26	3.2		U		P
7782-49-2	Selenium	0.26	0.53		U		P
7440-28-0	Thallium	0.16	0.53		U		P
7440-62-2	Vanadium	0.26	2.6	17.5			P
7440-66-6	Zinc	0.53	1.1	6.1			P

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-DPW17-S12

Lab Name: Empirical Labs Contract: TetraTech NUS, Inc.

Lab Code: ELABN Case No.: SAS No.: SDG: 0609061

Matrix: SOIL Lab Sample ID: 0609061-23

Level (low/med): LOW Date Sampled: 09/11/06

% Solids: 94.0 Date Received: 09/12/06

Concentration Units (ug/L or mg/kg dry weight): mg/Kg

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
7439-97-6	Mercury	0.014	0.036		U		AV

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

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Empirical Laboratories

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-DPW17-S12

Lab Name: Empirical Labs Contract: TetraTech NUS, Inc.

Lab Code: ELABN Case No.: SAS No.: SDG: 0609061

Matrix: SOIL Lab Sample ID: 0609061-23

Level (low/med): LOW Date Sampled: 09/11/06

% Solids: 94.0 Date Received: 09/12/06

Concentration Units (ug/L or mg/kg dry weight): mg/Kg

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
57-12-5	Cyanide	0.13	0.27		U		AS

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

Empirical Laboratories

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-DPW10-S45

Lab Name: Empirical Labs Contract: TetraTech NUS, Inc.

Lab Code: ELABN Case No.: SAS No.: SDG: 0609061

Matrix: SOIL Lab Sample ID: 0609061-05

Level (low/med): LOW Date Sampled: 09/11/06

% Solids: 85.0 Date Received: 09/12/06

Concentration Units (ug/L or mg/kg dry weight): mg/Kg

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
7440-22-4	Silver	0.058	0.58		U		P
7429-90-5	Aluminum	4.3	11.6	1440			P
7440-38-2	Arsenic	0.17	0.58	1.8			P
7440-39-3	Barium	0.29	11.6	1.5	I		P
7440-41-7	Beryllium	0.23	0.58		U		P
7440-70-2	Calcium	58.0	290		U		P
7440-43-9	Cadmium	0.058	0.29		U		P
7440-48-4	Cobalt	0.29	2.9		U		P
7440-47-3	Chromium	0.12	0.58	3.7			P
7440-50-8	Copper	0.29	1.4	1.0	I		P
7439-89-6	Iron	1.7	5.8	2410			P
7440-09-7	Potassium	58.0	290		U		P
7439-95-4	Magnesium	58.0	290		U		P
7439-96-5	Manganese	0.17	0.87	1.3			P

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-DPW10-S45

Lab Name: Empirical Labs Contract: TetraTech NUS, Inc.

Lab Code: ELABN Case No.: SAS No.: SDG: 0609061

Matrix: SOIL Lab Sample ID: 0609061-05

Level (low/med): LOW Date Sampled: 09/11/06

% Solids: 85.0 Date Received: 09/12/06

Concentration Units (ug/L or mg/kg dry weight): mg/Kg

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
7440-23-5	Sodium	58.0	290		U		P
7440-02-0	Nickel	0.29	2.3		U		P
7439-92-1	Lead	0.087	0.17	1.9			P
7440-36-0	Antimony	0.29	3.5		U		P
7782-49-2	Selenium	0.29	0.58		U		P
7440-28-0	Thallium	0.29	0.58		U		P
7440-62-2	Vanadium	0.29	2.9	9.1			P
7440-66-6	Zinc	0.58	1.2	0.87	I		P

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: Thallium MDL increased due to negative bias (-4.14 ug/L) SMG 10/4/06

Empirical Laboratories

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-DPW10-S45

Lab Name: Empirical Labs Contract: TetraTech NUS, Inc.

Lab Code: ELABN Case No.: SAS No.: SDG: 0609061

Matrix: SOIL Lab Sample ID: 0609061-05

Level (low/med): LOW Date Sampled: 09/11/06

% Solids: 85.0 Date Received: 09/12/06

Concentration Units (ug/L or mg/kg dry weight): mg/Kg

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
7439-97-6	Mercury	0.015	0.037		U		AV

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-DPW10-S45

Lab Name: Empirical Labs Contract: TetraTech NUS, Inc.

Lab Code: ELABN Case No.: SAS No.: SDG: 0609061

Matrix: SOIL Lab Sample ID: 0609061-05

Level (low/med): LOW Date Sampled: 09/11/06

% Solids: 85.0 Date Received: 09/12/06

Concentration Units (ug/L or mg/kg dry weight): mg/Kg

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
57-12-5	Cyanide	0.15	0.29		U		AS

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-DPW11-S45

Lab Name: Empirical Labs Contract: TetraTech NUS, Inc.

Lab Code: ELABN Case No.: SAS No.: SDG: 0609061

Matrix: SOIL Lab Sample ID: 0609061-07

Level (low/med): LOW Date Sampled: 09/11/06

% Solids: 91.0 Date Received: 09/12/06

Concentration Units (ug/L or mg/kg dry weight): mg/Kg

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
7440-22-4	Silver	0.056	0.56		U		P
7429-90-5	Aluminum	4.2	11.3	1380			P
7440-38-2	Arsenic	0.17	0.56	0.66			P
7440-39-3	Barium	0.28	11.3	1.2	I		P
7440-41-7	Beryllium	0.23	0.56		U		P
7440-70-2	Calcium	56.4	282		U		P
7440-43-9	Cadmium	0.056	0.28		U		P
7440-48-4	Cobalt	0.28	2.8		U		P
7440-47-3	Chromium	0.11	0.56	2.5			P
7440-50-8	Copper	0.28	1.4	0.71	I		P
7439-89-6	Iron	1.7	5.6	857			P
7440-09-7	Potassium	56.4	282		U		P
7439-95-4	Magnesium	56.4	282		U		P
7439-96-5	Manganese	0.17	0.85	1.0			P

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

Empirical Laboratories

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EPA SAMPLE NO.

OLFS4-DPW11-S45

Lab Name: Empirical Labs Contract: TetraTech NUS, Inc.

Lab Code: ELABN Case No.: SAS No.: SDG: 0609061

Matrix: SOIL Lab Sample ID: 0609061-07

Level (low/med): LOW Date Sampled: 09/11/06

% Solids: 91.0 Date Received: 09/12/06

Concentration Units (ug/L or mg/kg dry weight): mg/Kg

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
7440-23-5	Sodium	56.4	282		U		P
7440-02-0	Nickel	0.28	2.3		U		P
7439-92-1	Lead	0.085	0.17	1.3			P
7440-36-0	Antimony	0.28	3.4		U		P
7782-49-2	Selenium	0.28	0.56		U		P
7440-28-0	Thallium	0.17	0.56		U		P
7440-62-2	Vanadium	0.28	2.8	4.6			P
7440-66-6	Zinc	0.56	1.1	0.79	I		P

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

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Empirical Laboratories

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-DPW11-S45

Lab Name: Empirical Labs Contract: TetraTech NUS, Inc.

Lab Code: ELABN Case No.: SAS No.: SDG: 0609061

Matrix: SOIL Lab Sample ID: 0609061-07

Level (low/med): LOW Date Sampled: 09/11/06

% Solids: 91.0 Date Received: 09/12/06

Concentration Units (ug/L or mg/kg dry weight): mg/Kg

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
7439-97-6	Mercury	0.013	0.032		U		AV

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

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EPA SAMPLE NO.

OLFS4-DPW11-S45

Lab Name: Empirical Labs Contract: TetraTech NUS, Inc.

Lab Code: ELABN Case No.: SAS No.: SDG: 0609061

Matrix: SOIL Lab Sample ID: 0609061-07

Level (low/med): LOW Date Sampled: 09/11/06

% Solids: 91.0 Date Received: 09/12/06

Concentration Units (ug/L or mg/kg dry weight): mg/Kg

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
57-12-5	Cyanide	0.14	0.28		U		AS

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-DPW7-S45

Lab Name: Empirical Labs Contract: TetraTech NUS, Inc.

Lab Code: ELABN Case No.: SAS No.: SDG: 0609061

Matrix: SOIL Lab Sample ID: 0609061-08

Level (low/med): LOW Date Sampled: 09/11/06

% Solids: 84.0 Date Received: 09/12/06

Concentration Units (ug/L or mg/kg dry weight): mg/Kg

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
7440-22-4	Silver	0.12	0.61		U		P
7429-90-5	Aluminum	4.6	12.2	1640			P
7440-38-2	Arsenic	0.18	0.61	2.9			P
7440-39-3	Barium	0.31	12.2	2.0	I		P
7440-41-7	Beryllium	0.24	0.61		U		P
7440-70-2	Calcium	61.1	305		U		P
7440-43-9	Cadmium	0.061	0.30		U		P
7440-48-4	Cobalt	0.31	3.1		U		P
7440-47-3	Chromium	0.12	0.61	4.7			P
7440-50-8	Copper	0.31	1.5	1.0	I		P
7439-89-6	Iron	1.8	6.1	3090			P
7440-09-7	Potassium	61.1	305		U		P
7439-95-4	Magnesium	61.1	305		U		P
7439-96-5	Manganese	0.18	0.92	1.3			P

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: Silver MDL increased due to negative bias (-1.03 ug/L) sme 10/4/06

Empirical Laboratories

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-DPW7-S45

Lab Name: Empirical Labs Contract: TetraTech NUS, Inc.

Lab Code: ELABN Case No.: SAS No.: SDG: 0609061

Matrix: SOIL Lab Sample ID: 0609061-08

Level (low/med): LOW Date Sampled: 09/11/06

% Solids: 84.0 Date Received: 09/12/06

Concentration Units (ug/L or mg/kg dry weight): mg/Kg

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
7440-23-5	Sodium	61.1	305		U		P
7440-02-0	Nickel	0.31	2.4		U		P
7439-92-1	Lead	0.092	0.18	2.3			P
7440-36-0	Antimony	0.31	3.7		U		P
7782-49-2	Selenium	0.31	0.61		U		P
7440-28-0	Thallium	0.18	0.61		U		P
7440-62-2	Vanadium	0.31	3.1	10.9			P
7440-66-6	Zinc	0.61	1.2		U		P

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-DPW7-S45

Lab Name: Empirical Labs Contract: TetraTech NUS, Inc.

Lab Code: ELABN Case No.: SAS No.: SDG: 0609061

Matrix: SOIL Lab Sample ID: 0609061-08

Level (low/med): LOW Date Sampled: 09/11/06

% Solids: 84.0 Date Received: 09/12/06

Concentration Units (ug/L or mg/kg dry weight): mg/Kg

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
7439-97-6	Mercury	0.016	0.040		U		AV

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

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Empirical Laboratories

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-DPW7-S45

Lab Name: Empirical Labs Contract: TetraTech NUS, Inc.

Lab Code: ELABN Case No.: SAS No.: SDG: 0609061

Matrix: SOIL Lab Sample ID: 0609061-08

Level (low/med): LOW Date Sampled: 09/11/06

% Solids: 84.0 Date Received: 09/12/06

Concentration Units (ug/L or mg/kg dry weight): mg/Kg

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
57-12-5	Cyanide	0.15	0.30	0.17	I		AS

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-DPW12-S45

Lab Name: Empirical Labs Contract: TetraTech NUS, Inc.

Lab Code: ELABN Case No.: SAS No.: SDG: 0609061

Matrix: SOIL Lab Sample ID: 0609061-10

Level (low/med): LOW Date Sampled: 09/11/06

% Solids: 86.0 Date Received: 09/12/06

Concentration Units (ug/L or mg/kg dry weight): mg/Kg

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
7440-22-4	Silver	0.053	0.53		U		P
7429-90-5	Aluminum	4.0	10.6	1270			P
7440-38-2	Arsenic	0.16	0.53	0.80			P
7440-39-3	Barium	0.27	10.6	1.3	I		P
7440-41-7	Beryllium	0.21	0.53		U		P
7440-70-2	Calcium	53.1	265	58.7	I		P
7440-43-9	Cadmium	0.053	0.27		U		P
7440-48-4	Cobalt	0.27	2.7		U		P
7440-47-3	Chromium	0.11	0.53	2.4			P
7440-50-8	Copper	0.27	1.3	0.93	I		P
7439-89-6	Iron	1.6	5.3	942			P
7440-09-7	Potassium	53.1	265		U		P
7439-95-4	Magnesium	53.1	265		U		P
7439-96-5	Manganese	0.16	0.80	1.2			P

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-DPW12-S45

Lab Name: Empirical Labs Contract: TetraTech NUS, Inc.

Lab Code: ELABN Case No.: SAS No.: SDG: 0609061

Matrix: SOIL Lab Sample ID: 0609061-10

Level (low/med): LOW Date Sampled: 09/11/06

% Solids: 86.0 Date Received: 09/12/06

Concentration Units (ug/L or mg/kg dry weight): mg/Kg

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
7440-23-5	Sodium	53.1	265	1090			P
7440-02-0	Nickel	0.27	2.1		U		P
7439-92-1	Lead	0.080	0.16	1.5			P
7440-36-0	Antimony	0.27	3.2		U		P
7782-49-2	Selenium	0.27	0.53		U		P
7440-28-0	Thallium	0.21	0.53		U		P
7440-62-2	Vanadium	0.27	2.7	5.3			P
7440-66-6	Zinc	0.53	1.1	0.54	I		P

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: Thallium MDL increased due to negative bias (-3.19 ug/L) since 10/4/06

Empirical Laboratories

USEPA - 7471A
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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-DPW12-S45

Lab Name: Empirical Labs Contract: TetraTech NUS, Inc.

Lab Code: ELABN Case No.: SAS No.: SDG: 0609061

Matrix: SOIL Lab Sample ID: 0609061-10

Level (low/med): LOW Date Sampled: 09/11/06

% Solids: 86.0 Date Received: 09/12/06

Concentration Units (ug/L or mg/kg dry weight): mg/Kg

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
7439-97-6	Mercury	0.012	0.031		U		AV

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

_____

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USEPA - 9012A
- 1 -
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-DPW12-S45

Lab Name: Empirical Labs Contract: TetraTech NUS, Inc.

Lab Code: ELABN Case No.: SAS No.: SDG: 0609061

Matrix: SOIL Lab Sample ID: 0609061-10

Level (low/med): LOW Date Sampled: 09/11/06

% Solids: 86.0 Date Received: 09/12/06

Concentration Units (ug/L or mg/kg dry weight): mg/Kg

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
57-12-5	Cyanide	0.15	0.29		U		AS

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

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USEPA - 6010B
- 1 -
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-DPW22-S26

Lab Name: Empirical Labs Contract: TetraTech NUS, Inc.

Lab Code: ELABN Case No.: SAS No.: SDG: 0609061

Matrix: SOIL Lab Sample ID: 0609061-16

Level (low/med): LOW Date Sampled: 09/11/06

% Solids: 95.0 Date Received: 09/12/06

Concentration Units (ug/L or mg/kg dry weight): mg/Kg

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
7440-22-4	Silver	0.049	0.49		U		P
7429-90-5	Aluminum	3.7	9.8	1700			P
7440-38-2	Arsenic	0.15	0.49	0.62			P
7440-39-3	Barium	0.25	9.8	0.55	I		P
7440-41-7	Beryllium	0.20	0.49		U		P
7440-70-2	Calcium	49.2	246		U		P
7440-43-9	Cadmium	0.049	0.25		U		P
7440-48-4	Cobalt	0.25	2.5		U		P
7440-47-3	Chromium	0.10	0.49	4.0			P
7440-50-8	Copper	0.25	1.2	0.70	I		P
7439-89-6	Iron	1.5	4.9	1400			P
7440-09-7	Potassium	49.2	246		U		P
7439-95-4	Magnesium	49.2	246		U		P
7439-96-5	Manganese	0.15	0.74	2.6			P

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

USEPA - 6010B
- 1 -
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-DPW22-S26

Lab Name: Empirical Labs Contract: TetraTech NUS, Inc.

Lab Code: ELABN Case No.: SAS No.: SDG: 0609061

Matrix: SOIL Lab Sample ID: 0609061-16

Level (low/med): LOW Date Sampled: 09/11/06

% Solids: 95.0 Date Received: 09/12/06

Concentration Units (ug/L or mg/kg dry weight): mg/Kg

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
7440-23-5	Sodium	49.2	246		U		P
7440-02-0	Nickel	0.25	2.0	0.37	I		P
7439-92-1	Lead	0.074	0.15	0.60			P
7440-36-0	Antimony	0.25	3.0		U		P
7782-49-2	Selenium	0.25	0.49		U		P
7440-28-0	Thallium	0.20	0.49		U		P
7440-62-2	Vanadium	0.25	2.5	2.4	I		P
7440-66-6	Zinc	0.49	0.98	1.8			P

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: Thallium MDL increased due to negative bias (-3.93 ug/L) SMO 10/4/06

Empirical Laboratories

USEPA - 7471A
- 1 -
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-DPW22-S26

Lab Name: Empirical Labs Contract: TetraTech NUS, Inc.

Lab Code: ELABN Case No.: SAS No.: SDG: 0609061

Matrix: SOIL Lab Sample ID: 0609061-16

Level (low/med): LOW Date Sampled: 09/11/06

% Solids: 95.0 Date Received: 09/12/06

Concentration Units (ug/L or mg/kg dry weight): mg/Kg

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
7439-97-6	Mercury	0.014	0.035		U		AV

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

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USEPA - 9012A
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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-DPW22-S26

Lab Name: Empirical Labs Contract: TetraTech NUS, Inc.

Lab Code: ELABN Case No.: SAS No.: SDG: 0609061

Matrix: SOIL Lab Sample ID: 0609061-16

Level (low/med): LOW Date Sampled: 09/11/06

% Solids: 95.0 Date Received: 09/12/06

Concentration Units (ug/L or mg/kg dry weight): mg/Kg

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
57-12-5	Cyanide	0.13	0.26		U		AS

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

USEPA - 6010B
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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-DPW13-S4

Lab Name: Empirical Labs Contract: TetraTech NUS, Inc.

Lab Code: ELABN Case No.: SAS No.: SDG: 0609061

Matrix: SOIL Lab Sample ID: 0609061-19

Level (low/med): LOW Date Sampled: 09/11/06

% Solids: 90.0 Date Received: 09/12/06

Concentration Units (ug/L or mg/kg dry weight): mg/Kg

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
7440-22-4	Silver	0.054	0.54		U		P
7429-90-5	Aluminum	4.1	10.9	6400			P
7440-38-2	Arsenic	0.16	0.54	0.83			P
7440-39-3	Barium	0.27	10.9	9.0	I		P
7440-41-7	Beryllium	0.22	0.54		U		P
7440-70-2	Calcium	54.5	272	482			P
7440-43-9	Cadmium	0.054	0.27		U		P
7440-48-4	Cobalt	0.27	2.7	0.58	I		P
7440-47-3	Chromium	0.11	0.54	4.1			P
7440-50-8	Copper	0.27	1.4	2.2			P
7439-89-6	Iron	1.6	5.4	2660			P
7440-09-7	Potassium	54.5	272	60.4	I		P
7439-95-4	Magnesium	54.5	272	110	I		P
7439-96-5	Manganese	0.16	0.82	18.9			P

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

USEPA - 6010B
- 1 -
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-DPW13-S4

Lab Name: Empirical Labs Contract: TetraTech NUS, Inc.

Lab Code: ELABN Case No.: SAS No.: SDG: 0609061

Matrix: SOIL Lab Sample ID: 0609061-19

Level (low/med): LOW Date Sampled: 09/11/06

% Solids: 90.0 Date Received: 09/12/06

Concentration Units (ug/L or mg/kg dry weight): mg/Kg

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
7440-23-5	Sodium	54.5	272		U		P
7440-02-0	Nickel	0.27	2.2	1.6	I		P
7439-92-1	Lead	0.082	0.16	2.5			P
7440-36-0	Antimony	0.27	3.3		U		P
7782-49-2	Selenium	0.27	0.54		U		P
7440-28-0	Thallium	0.22	0.54		U		P
7440-62-2	Vanadium	0.27	2.7	7.9			P
7440-66-6	Zinc	0.54	1.1	4.2			P

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: Thallium MDL increased due to negative bias (-3.04 ug/L) SMG 10/4/06

Empirical Laboratories

USEPA - 7471A
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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-DPW13-S4

Lab Name: Empirical Labs Contract: TetraTech NUS, Inc.

Lab Code: ELABN Case No.: SAS No.: SDG: 0609061

Matrix: SOIL Lab Sample ID: 0609061-19

Level (low/med): LOW Date Sampled: 09/11/06

% Solids: 90.0 Date Received: 09/12/06

Concentration Units (ug/L or mg/kg dry weight): mg/Kg

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
7439-97-6	Mercury	0.014	0.034		U		AV

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

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Empirical Laboratories

USEPA - 9012A
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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-DPW13-S4

Lab Name: Empirical Labs Contract: TetraTech NUS, Inc.

Lab Code: ELABN Case No.: SAS No.: SDG: 0609061

Matrix: SOIL Lab Sample ID: 0609061-19

Level (low/med): LOW Date Sampled: 09/11/06

% Solids: 90.0 Date Received: 09/12/06

Concentration Units (ug/L or mg/kg dry weight): mg/Kg

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
57-12-5	Cyanide	0.14	0.28		U		AS

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

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Empirical Laboratories

USEPA - 6010B
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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-DPW14-S6

Lab Name: Empirical Labs Contract: TetraTech NUS, Inc.

Lab Code: ELABN Case No.: SAS No.: SDG: 0609061

Matrix: SOIL Lab Sample ID: 0609061-20

Level (low/med): LOW Date Sampled: 09/11/06

% Solids: 92.0 Date Received: 09/12/06

Concentration Units (ug/L or mg/kg dry weight): mg/Kg

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
7440-22-4	Silver	0.054	0.54		U		P
7429-90-5	Aluminum	4.1	10.9	9910			P
7440-38-2	Arsenic	0.16	0.54	1.4			P
7440-39-3	Barium	0.27	10.9	13.6			P
7440-41-7	Beryllium	0.22	0.54		U		P
7440-70-2	Calcium	54.3	272	410			P
7440-43-9	Cadmium	0.054	0.27		U		P
7440-48-4	Cobalt	0.27	2.7	0.93	I		P
7440-47-3	Chromium	0.11	0.54	6.2			P
7440-50-8	Copper	0.27	1.4	3.5			P
7439-89-6	Iron	1.6	5.4	5140			P
7440-09-7	Potassium	54.3	272	116	I		P
7439-95-4	Magnesium	54.3	272	177	I		P
7439-96-5	Manganese	0.16	0.82	202			P

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

USEPA - 6010B
- 1 -
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-DPW14-S6

Lab Name: Empirical Labs Contract: TetraTech NUS, Inc.

Lab Code: ELABN Case No.: SAS No.: SDG: 0609061

Matrix: SOIL Lab Sample ID: 0609061-20

Level (low/med): LOW Date Sampled: 09/11/06

% Solids: 92.0 Date Received: 09/12/06

Concentration Units (ug/L or mg/kg dry weight): mg/Kg

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
7440-23-5	Sodium	54.3	272		U		P
7440-02-0	Nickel	0.27	2.2	2.5			P
7439-92-1	Lead	0.082	0.16	3.3			P
7440-36-0	Antimony	0.27	3.3		U		P
7782-49-2	Selenium	0.27	0.54		U		P
7440-28-0	Thallium	0.16	0.54		U		P
7440-62-2	Vanadium	0.27	2.7	12.6			P
7440-66-6	Zinc	0.54	1.1	6.1			P

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

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Empirical Laboratories

USEPA - 7471A
- 1 -
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-DPW14-S6

Lab Name: Empirical Labs Contract: TetraTech NUS, Inc.

Lab Code: ELABN Case No.: SAS No.: SDG: 0609061

Matrix: SOIL Lab Sample ID: 0609061-20

Level (low/med): LOW Date Sampled: 09/11/06

% Solids: 92.0 Date Received: 09/12/06

Concentration Units (ug/L or mg/kg dry weight): mg/Kg

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
7439-97-6	Mercury	0.015	0.036		U		AV

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

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Empirical Laboratories

USEPA - 9012A
- 1 -
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-DPW14-S6

Lab Name: Empirical Labs Contract: TetraTech NUS, Inc.

Lab Code: ELABN Case No.: SAS No.: SDG: 0609061

Matrix: SOIL Lab Sample ID: 0609061-20

Level (low/med): LOW Date Sampled: 09/11/06

% Solids: 92.0 Date Received: 09/12/06

Concentration Units (ug/L or mg/kg dry weight): mg/Kg

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
57-12-5	Cyanide	0.14	0.27		U		AS

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

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Empirical Laboratories

USEPA - 6010B
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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-DPW15-S4

Lab Name: Empirical Labs Contract: TetraTech NUS, Inc.

Lab Code: ELABN Case No.: SAS No.: SDG: 0609061

Matrix: SOIL Lab Sample ID: 0609061-21

Level (low/med): LOW Date Sampled: 09/11/06

% Solids: 88.0 Date Received: 09/12/06

Concentration Units (ug/L or mg/kg dry weight): mg/Kg

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
7440-22-4	Silver	0.050	0.50		U		P
7429-90-5	Aluminum	3.7	10.0	7920			P
7440-38-2	Arsenic	0.15	0.50	1.4			P
7440-39-3	Barium	0.25	10.0	18.5			P
7440-41-7	Beryllium	0.20	0.50		U		P
7440-70-2	Calcium	49.8	249	762			P
7440-43-9	Cadmium	0.050	0.25		U		P
7440-48-4	Cobalt	0.25	2.5	0.77	I		P
7440-47-3	Chromium	0.10	0.50	5.2			P
7440-50-8	Copper	0.25	1.2	3.4			P
7439-89-6	Iron	1.5	5.0	4580			P
7440-09-7	Potassium	49.8	249	91.6	I		P
7439-95-4	Magnesium	49.8	249	144	I		P
7439-96-5	Manganese	0.15	0.75	277			P

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

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Empirical Laboratories

USEPA - 6010B
- 1 -
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-DPW15-S4

Lab Name: Empirical Labs Contract: TetraTech NUS, Inc.

Lab Code: ELABN Case No.: SAS No.: SDG: 0609061

Matrix: SOIL Lab Sample ID: 0609061-21

Level (low/med): LOW Date Sampled: 09/11/06

% Solids: 88.0 Date Received: 09/12/06

Concentration Units (ug/L or mg/kg dry weight): mg/Kg

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
7440-23-5	Sodium	49.8	249		U		P
7440-02-0	Nickel	0.25	2.0	2.2			P
7439-92-1	Lead	0.075	0.15	4.1			P
7440-36-0	Antimony	0.25	3.0		U		P
7782-49-2	Selenium	0.25	0.50		U		P
7440-28-0	Thallium	0.15	0.50		U		P
7440-62-2	Vanadium	0.25	2.5	10.0			P
7440-66-6	Zinc	0.50	1.0	7.1			P

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

USEPA - 7471A
- 1 -
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-DPW15-S4

Lab Name: Empirical Labs Contract: TetraTech NUS, Inc.

Lab Code: ELABN Case No.: SAS No.: SDG: 0609061

Matrix: SOIL Lab Sample ID: 0609061-21

Level (low/med): LOW Date Sampled: 09/11/06

% Solids: 88.0 Date Received: 09/12/06

Concentration Units (ug/L or mg/kg dry weight): mg/Kg

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
7439-97-6	Mercury	0.014	0.036	0.019	I		AV

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

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Empirical Laboratories

USEPA - 9012A
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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-DPW15-S4

Lab Name: Empirical Labs Contract: TetraTech NUS, Inc.

Lab Code: ELABN Case No.: SAS No.: SDG: 0609061

Matrix: SOIL Lab Sample ID: 0609061-21

Level (low/med): LOW Date Sampled: 09/11/06

% Solids: 88.0 Date Received: 09/12/06

Concentration Units (ug/L or mg/kg dry weight): mg/Kg

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
57-12-5	Cyanide	0.14	0.28		U		AS

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

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Empirical Laboratories

USEPA - 6010B
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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-DPW16-S4

Lab Name: Empirical Labs Contract: TetraTech NUS, Inc.

Lab Code: ELABN Case No.: SAS No.: SDG: 0609061

Matrix: SOIL Lab Sample ID: 0609061-22

Level (low/med): LOW Date Sampled: 09/11/06

% Solids: 92.0 Date Received: 09/12/06

Concentration Units (ug/L or mg/kg dry weight): mg/Kg

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
7440-22-4	Silver	0.055	0.55		U		P
7429-90-5	Aluminum	4.1	11.0	8120			P
7440-38-2	Arsenic	0.17	0.55	1.3			P
7440-39-3	Barium	0.28	11.0	15.4			P
7440-41-7	Beryllium	0.22	0.55		U		P
7440-70-2	Calcium	55.2	276	754			P
7440-43-9	Cadmium	0.055	0.28		U		P
7440-48-4	Cobalt	0.28	2.8	0.77	I		P
7440-47-3	Chromium	0.11	0.55	5.4			P
7440-50-8	Copper	0.28	1.4	3.1			P
7439-89-6	Iron	1.7	5.5	4020			P
7440-09-7	Potassium	55.2	276	107	I		P
7439-95-4	Magnesium	55.2	276	150	I		P
7439-96-5	Manganese	0.17	0.83	152			P

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

Empirical Laboratories

USEPA - 6010B
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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-DPW16-S4

Lab Name: Empirical Labs Contract: TetraTech NUS, Inc.

Lab Code: ELABN Case No.: SAS No.: SDG: 0609061

Matrix: SOIL Lab Sample ID: 0609061-22

Level (low/med): LOW Date Sampled: 09/11/06

% Solids: 92.0 Date Received: 09/12/06

Concentration Units (ug/L or mg/kg dry weight): mg/Kg

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
7440-23-5	Sodium	55.2	276		U		P
7440-02-0	Nickel	0.28	2.2	2.0	I		P
7439-92-1	Lead	0.083	0.17	3.2			P
7440-36-0	Antimony	0.28	3.3		U		P
7782-49-2	Selenium	0.28	0.55		U		P
7440-28-0	Thallium	0.17	0.55		U		P
7440-62-2	Vanadium	0.28	2.8	10.2			P
7440-66-6	Zinc	0.55	1.1	5.2			P

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

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Empirical Laboratories

USEPA - 7471A
- 1 -
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-DPW16-S4

Lab Name: Empirical Labs Contract: TetraTech NUS, Inc.

Lab Code: ELABN Case No.: SAS No.: SDG: 0609061

Matrix: SOIL Lab Sample ID: 0609061-22

Level (low/med): LOW Date Sampled: 09/11/06

% Solids: 92.0 Date Received: 09/12/06

Concentration Units (ug/L or mg/kg dry weight): mg/Kg

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
7439-97-6	Mercury	0.014	0.035		U		AV

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

_____

_____

Empirical Laboratories

USEPA - 9012A
- 1 -
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-DPW16-S4

Lab Name: Empirical Labs Contract: TetraTech NUS, Inc.

Lab Code: ELABN Case No.: SAS No.: SDG: 0609061

Matrix: SOIL Lab Sample ID: 0609061-22

Level (low/med): LOW Date Sampled: 09/11/06

% Solids: 92.0 Date Received: 09/12/06

Concentration Units (ug/L or mg/kg dry weight): mg/Kg

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
57-12-5	Cyanide	0.14	0.27		U		AS

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

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_____

Empirical Laboratories

USEPA - 6010B
- 1 -
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-DPW17-S12

Lab Name: Empirical Labs Contract: TetraTech NUS, Inc.

Lab Code: ELABN Case No.: SAS No.: SDG: 0609061

Matrix: SOIL Lab Sample ID: 0609061-23

Level (low/med): LOW Date Sampled: 09/11/06

% Solids: 94.0 Date Received: 09/12/06

Concentration Units (ug/L or mg/kg dry weight): mg/Kg

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
7440-22-4	Silver	0.053	0.53		U		P
7429-90-5	Aluminum	4.0	10.6	12800			P
7440-38-2	Arsenic	0.16	0.53	2.0			P
7440-39-3	Barium	0.26	10.6	8.7	I		P
7440-41-7	Beryllium	0.21	0.53		U		P
7440-70-2	Calcium	52.9	265	116	I		P
7440-43-9	Cadmium	0.053	0.27		U		P
7440-48-4	Cobalt	0.26	2.6		U		P
7440-47-3	Chromium	0.11	0.53	9.3			P
7440-50-8	Copper	0.26	1.3	4.3			P
7439-89-6	Iron	1.6	5.3	7100			P
7440-09-7	Potassium	52.9	265	132	I		P
7439-95-4	Magnesium	52.9	265	149	I		P
7439-96-5	Manganese	0.16	0.79	15.7			P

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

USEPA - 6010B
- 1 -
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-DPW17-S12

Lab Name: Empirical Labs Contract: TetraTech NUS, Inc.

Lab Code: ELABN Case No.: SAS No.: SDG: 0609061

Matrix: SOIL Lab Sample ID: 0609061-23

Level (low/med): LOW Date Sampled: 09/11/06

% Solids: 94.0 Date Received: 09/12/06

Concentration Units (ug/L or mg/kg dry weight): mg/Kg

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
7440-23-5	Sodium	52.9	265		U		P
7440-02-0	Nickel	0.26	2.1	2.1	I		P
7439-92-1	Lead	0.079	0.16	3.2			P
7440-36-0	Antimony	0.26	3.2		U		P
7782-49-2	Selenium	0.26	0.53		U		P
7440-28-0	Thallium	0.16	0.53		U		P
7440-62-2	Vanadium	0.26	2.6	17.5			P
7440-66-6	Zinc	0.53	1.1	6.1			P

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

USEPA - 7471A
- 1 -
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-DPW17-S12

Lab Name: Empirical Labs Contract: TetraTech NUS, Inc.

Lab Code: ELABN Case No.: SAS No.: SDG: 0609061

Matrix: SOIL Lab Sample ID: 0609061-23

Level (low/med): LOW Date Sampled: 09/11/06

% Solids: 94.0 Date Received: 09/12/06

Concentration Units (ug/L or mg/kg dry weight): mg/Kg

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
7439-97-6	Mercury	0.014	0.036		U		AV

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

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_____

Empirical Laboratories

USEPA - 9012A
- 1 -
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-DPW17-S12

Lab Name: Empirical Labs Contract: TetraTech NUS, Inc.

Lab Code: ELABN Case No.: SAS No.: SDG: 0609061

Matrix: SOIL Lab Sample ID: 0609061-23

Level (low/med): LOW Date Sampled: 09/11/06

% Solids: 94.0 Date Received: 09/12/06

Concentration Units (ug/L or mg/kg dry weight): mg/Kg

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
57-12-5	Cyanide	0.13	0.27		U		AS

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

_____

_____

Empirical Laboratories

FORM 1
PCB ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-DPW10-S45

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.P09061

Matrix: (soil/water) SOIL Lab Sample ID: 0609061-05

Sample wt/vol: 15.4 (g/mL) G Lab File ID: 032F3201

% Moisture: 15 decanted: (Y/N) N Date Sampled: 09/11/06 08:30

Extraction: (SepF/Cont/Sonc/Soxh) SOXH Date Extracted:09/19/06

Concentrated Extract Volume: 5.0(mL) Date Analyzed: 09/26/06 01:42

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: NA Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	MDL	RL	CONC	Q
12674-11-2	PCB-1016	4.8	19		U
11104-28-2	PCB-1221	4.8	19		U
11141-16-5	PCB-1232	4.8	19		U
53469-21-9	PCB-1242	4.8	19		U
12672-29-6	PCB-1248	4.8	19		U
11097-69-1	PCB-1254	4.8	19		U
11096-82-5	PCB-1260	4.8	19		U

FORM 1
PCB ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-DPW11-S45

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.P09061

Matrix: (soil/water) SOIL Lab Sample ID: 0609061-07

Sample wt/vol: 15.9 (g/mL) G Lab File ID: 033F3301

% Moisture: 9 decanted: (Y/N) N Date Sampled: 09/11/06 10:00

Extraction: (SepF/Cont/Sonc/Soxh) SOXH Date Extracted:09/19/06

Concentrated Extract Volume: 5.0(mL) Date Analyzed: 09/26/06 02:10

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: NA Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	MDL	RL	CONC	Q
12674-11-2	PCB-1016	4.3	17		U
11104-28-2	PCB-1221	4.3	17		U
11141-16-5	PCB-1232	4.3	17		U
53469-21-9	PCB-1242	4.3	17		U
12672-29-6	PCB-1248	4.3	17		U
11097-69-1	PCB-1254	4.3	17		U
11096-82-5	PCB-1260	4.3	17		U

FORM 1
PCB ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-DPW7-S45

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.P09061

Matrix: (soil/water) SOIL Lab Sample ID: 0609061-08

Sample wt/vol: 15.2 (g/mL) G Lab File ID: 034F3401

% Moisture: 16 decanted: (Y/N) N Date Sampled: 09/11/06 14:10

Extraction: (SepF/Cont/Sonc/Soxh) SOXH Date Extracted:09/19/06

Concentrated Extract Volume: 5.0(mL) Date Analyzed: 09/26/06 02:39

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: NA Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	MDL	RL	CONC	Q
12674-11-2	PCB-1016	4.9	20		U
11104-28-2	PCB-1221	4.9	20		U
11141-16-5	PCB-1232	4.9	20		U
53469-21-9	PCB-1242	4.9	20		U
12672-29-6	PCB-1248	4.9	20		U
11097-69-1	PCB-1254	4.9	20		U
11096-82-5	PCB-1260	4.9	20		U

FORM 1
PCB ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-DPW12-S45

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.P09061

Matrix: (soil/water) SOIL Lab Sample ID: 0609061-10

Sample wt/vol: 15.1 (g/mL) G Lab File ID: 035F3501

% Moisture: 15 decanted: (Y/N) N Date Sampled: 09/11/06 16:35

Extraction: (SepF/Cont/Sonc/Soxh) SOXH Date Extracted:09/19/06

Concentrated Extract Volume: 5.0(mL) Date Analyzed: 09/26/06 03:07

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: NA Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	MDL	RL	CONC	Q
12674-11-2	PCB-1016	4.8	19		U
11104-28-2	PCB-1221	4.8	19		U
11141-16-5	PCB-1232	4.8	19		U
53469-21-9	PCB-1242	4.8	19		U
12672-29-6	PCB-1248	4.8	19		U
11097-69-1	PCB-1254	4.8	19		U
11096-82-5	PCB-1260	4.8	19		U

FORM 1
PCB ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-DPW22-S26

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.P09061

Matrix: (soil/water) SOIL Lab Sample ID: 0609061-16

Sample wt/vol: 15.8 (g/mL) G Lab File ID: 036F3601

% Moisture: 5 decanted: (Y/N) N Date Sampled: 09/11/06 08:45

Extraction: (SepF/Cont/Sonc/Soxh) SOXH Date Extracted:09/19/06

Concentrated Extract Volume: 5.0(mL) Date Analyzed: 09/26/06 03:36

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: NA Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	MDL	RL	CONC	Q
12674-11-2	PCB-1016	4.2	17		U
11104-28-2	PCB-1221	4.2	17		U
11141-16-5	PCB-1232	4.2	17		U
53469-21-9	PCB-1242	4.2	17		U
12672-29-6	PCB-1248	4.2	17		U
11097-69-1	PCB-1254	4.2	17		U
11096-82-5	PCB-1260	4.2	17		U

FORM 1
PCB ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-DPW13-S4

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.P09061

Matrix: (soil/water) SOIL Lab Sample ID: 0609061-19

Sample wt/vol: 15.8 (g/mL) G Lab File ID: 025F2501

% Moisture: 10 decanted: (Y/N) N Date Sampled: 09/11/06 15:40

Extraction: (SepF/Cont/Sonc/Soxh) SOXH Date Extracted:09/24/06

Concentrated Extract Volume: 5.0(mL) Date Analyzed: 09/27/06 20:23

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	MDL	RL	CONC	Q
12674-11-2	PCB-1016	4.4	18		U
11104-28-2	PCB-1221	4.4	18		U
11141-16-5	PCB-1232	4.4	18		U
53469-21-9	PCB-1242	4.4	18		U
12672-29-6	PCB-1248	4.4	18		U
11097-69-1	PCB-1254	4.4	18		U
11096-82-5	PCB-1260	4.4	18		U

FORM 1
PCB ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-DPW14-S6

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.P09061

Matrix: (soil/water) SOIL Lab Sample ID: 0609061-20

Sample wt/vol: 15.4 (g/mL) G Lab File ID: 026F2601

% Moisture: 8 decanted: (Y/N) N Date Sampled: 09/11/06 16:15

Extraction: (SepF/Cont/Sonc/Soxh) SOXH Date Extracted:09/24/06

Concentrated Extract Volume: 5.0(mL) Date Analyzed: 09/27/06 20:51

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	MDL	RL	CONC	Q
12674-11-2	PCB-1016	4.4	18		U
11104-28-2	PCB-1221	4.4	18		U
11141-16-5	PCB-1232	4.4	18		U
53469-21-9	PCB-1242	4.4	18		U
12672-29-6	PCB-1248	4.4	18		U
11097-69-1	PCB-1254	4.4	18		U
11096-82-5	PCB-1260	4.4	18		U

FORM 1
PCB ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-DPW15-S4

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.P09061

Matrix: (soil/water) SOIL Lab Sample ID: 0609061-21

Sample wt/vol: 15.5 (g/mL) G Lab File ID: 027F2701

% Moisture: 12 decanted: (Y/N) N Date Sampled: 09/11/06 16:40

Extraction: (SepF/Cont/Sonc/Soxh) SOXH Date Extracted:09/24/06

Concentrated Extract Volume: 5.0(mL) Date Analyzed: 09/27/06 21:20

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	MDL	RL	CONC	Q
12674-11-2	PCB-1016	4.6	18		U
11104-28-2	PCB-1221	4.6	18		U
11141-16-5	PCB-1232	4.6	18		U
53469-21-9	PCB-1242	4.6	18		U
12672-29-6	PCB-1248	4.6	18		U
11097-69-1	PCB-1254	4.6	18		U
11096-82-5	PCB-1260	4.6	18	6.6	I

FORM 1
PCB ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-DPW16-S4

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.P09061

Matrix: (soil/water) SOIL Lab Sample ID: 0609061-22

Sample wt/vol: 15.2 (g/mL) G Lab File ID: 028F2801

% Moisture: 9 decanted: (Y/N) N Date Sampled: 09/11/06 16:55

Extraction: (SepF/Cont/Sonc/Soxh) SOXH Date Extracted:09/24/06

Concentrated Extract Volume: 5.0(mL) Date Analyzed: 09/27/06 21:48

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	MDL	RL	CONC	Q
12674-11-2	PCB-1016	4.5	18		U
11104-28-2	PCB-1221	4.5	18		U
11141-16-5	PCB-1232	4.5	18		U
53469-21-9	PCB-1242	4.5	18		U
12672-29-6	PCB-1248	4.5	18		U
11097-69-1	PCB-1254	4.5	18		U
11096-82-5	PCB-1260	4.5	18		U

FORM 1
PCB ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-DPW17-S12

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.P09061

Matrix: (soil/water) SOIL Lab Sample ID: 0609061-23

Sample wt/vol: 15.7 (g/mL) G Lab File ID: 029F2901

% Moisture: 6 decanted: (Y/N) N Date Sampled: 09/11/06 17:10

Extraction: (SepF/Cont/Sonc/Soxh) SOXH Date Extracted:09/24/06

Concentrated Extract Volume: 5.0(mL) Date Analyzed: 09/27/06 22:17

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	MDL	RL	CONC	Q
12674-11-2	PCB-1016	4.2	17		U
11104-28-2	PCB-1221	4.2	17		U
11141-16-5	PCB-1232	4.2	17		U
53469-21-9	PCB-1242	4.2	17		U
12672-29-6	PCB-1248	4.2	17		U
11097-69-1	PCB-1254	4.2	17		U
11096-82-5	PCB-1260	4.2	17		U

FORM 2
SOIL PCB SURROGATE RECOVERY

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.P09061

Column(1): DB-35MS ID: 0.32 (mm) Column(2): DB-XLB ID: 0.32 (mm)

	CLIENT SAMPLE NO.	S1 1 %REC #	S1 2 %REC #	S2 1 %REC #	S2 2 %REC #	OTHER (1)	OTHER (2)	TOT OUT
01	PS1BLK0919	56	53	94	87			0
02	PS1BLK0919LC	53	55	103	96			0
03	OLFS4-DPW10-	79	78	111	101			0
04	OLFS4-DPW11-	48	48	104	96			0
05	OLFS4-DPW7-S	42	44	102	92			0
06	OLFS4-DPW12-	62	62	106	96			0
07	OLFS4-DPW22-	54	52	106	97			0
08	PS2BLK0924	60	56	72	69			0
09	PS2BLK0924LC	56	57	63	61			0
10	PS2BLK0924LC	70	60	89	85			0
11	OLFS4-DPW13-	82	80	95	93			0
12	OLFS4-DPW14-	96	94	116	112			0
13	OLFS4-DPW15-	68	56	91	94			0
14	OLFS4-DPW16-	95	94	104	103			0
15	OLFS4-DPW17-	105	104	118	115			0
16								
17								
18								
19								
20								
21								
22								
23								
24								
25								
26								
27								
28								
29								
30								

		EL QC LIMITS	SPIKE CONC (ug/Kg)
S1	= TCMX	(30-120)	17
S2	= DCB	(35-140)	17

Column to be used to flag recovery values
* Values outside of QC limits
D Surrogate results reported from a diluted analysis

FORM 3
SOIL PCB LAB CONTROL SAMPLE

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.P09061

Matrix Spike - Client Sample No.: PS1BLK0919

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC #	QC. LIMITS REC.
PCB-1016	166.7	0.0000	120.0	72	45-120
PCB-1260	166.7	0.0000	191.6	115	40-125

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 0 outside limits
Spike Recovery: 0 out of 2 outside limits

COMMENTS: _____

_____

FORM 3
SOIL PCB LAB CONTROL SAMPLE

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.P09061

Matrix Spike - Client Sample No.: PS2BLK0924

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC #	QC. LIMITS REC.
PCB-1016	166.7	0.0000	90.56	54	45-120
PCB-1260	166.7	0.0000	109.2	66	40-125

COMPOUND	SPIKE ADDED (ug/Kg)	LCSD CONCENTRATION (ug/Kg)	LCSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
PCB-1016	166.7	110.3	66	20	50	45-120
PCB-1260	166.7	137.6	82	23	50	40-125

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 2 outside limits
Spike Recovery: 0 out of 4 outside limits

COMMENTS: _____

_____

FORM 4
PCB METHOD BLANK SUMMARY

CLIENT SAMPLE NO.

PS1BLK0919

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.P09061

Lab Sample ID: PS1BLK0919 Lab File ID: 020F2001

Matrix (soil/water) SOIL Extraction: (SepF/Cont/Sonc/Soxh) SOXH

Sulfur Cleanup (Y/N) N Date Extracted: 09/19/06

Date Analyzed (1): 09/25/06 Date Analyzed (2): 09/25/06

Time Analyzed (1): 1959 Time Analyzed (2): 1959

Instrument ID (1): ECD4 Instrument ID (2): ECD4

Column (1): DB-35MS ID: 0.32(mm) Column (2): DB-XLB ID: 0.32(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
01	PS1BLK0919LC	PS1BLK0919LCS	09/25/06	09/25/06
02	OLFS4-DPW10-	0609061-05	09/26/06	09/26/06
03	OLFS4-DPW11-	0609061-07	09/26/06	09/26/06
04	OLFS4-DPW7-S	0609061-08	09/26/06	09/26/06
05	OLFS4-DPW12-	0609061-10	09/26/06	09/26/06
06	OLFS4-DPW22-	0609061-16	09/26/06	09/26/06
07				
08				
09				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
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COMMENTS: _____

FORM 1
PCB ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

PS1BLK0919

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.P09061

Matrix: (soil/water) SOIL Lab Sample ID: PS1BLK0919

Sample wt/vol: 15.0 (g/mL) G Lab File ID: 020F2001

% Moisture: 0 decanted: (Y/N) N Date Sampled: _____

Extraction: (SepF/Cont/Sonc/Soxh) SOXH Date Extracted:09/19/06

Concentrated Extract Volume: 5.0(mL) Date Analyzed: 09/25/06 19:59

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: NA Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	MDL	RL	CONC	Q
12674-11-2	PCB-1016	4.2	17		U
11104-28-2	PCB-1221	4.2	17		U
11141-16-5	PCB-1232	4.2	17		U
53469-21-9	PCB-1242	4.2	17		U
12672-29-6	PCB-1248	4.2	17		U
11097-69-1	PCB-1254	4.2	17		U
11096-82-5	PCB-1260	4.2	17		U

FORM 4
PCB METHOD BLANK SUMMARY

CLIENT SAMPLE NO.

PS2BLK0924

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.P09061

Lab Sample ID: PS2BLK0924 Lab File ID: 022F2201

Matrix (soil/water) SOIL Extraction: (SepF/Cont/Sonc/Soxh) SOXH

Sulfur Cleanup (Y/N) N Date Extracted: 09/24/06

Date Analyzed (1): 09/27/06 Date Analyzed (2): 09/27/06

Time Analyzed (1): 1857 Time Analyzed (2): 1857

Instrument ID (1): ECD4 Instrument ID (2): ECD4

Column (1): DB-35MS ID: 0.32(mm) Column (2): DB-XLB ID: 0.32(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
01	PS2BLK0924LC	PS2BLK0924LCS	09/27/06	09/27/06
02	PS2BLK0924LC	PS2BLK0924LCSD	09/27/06	09/27/06
03	OLFS4-DPW13-	0609061-19	09/27/06	09/27/06
04	OLFS4-DPW14-	0609061-20	09/27/06	09/27/06
05	OLFS4-DPW15-	0609061-21	09/27/06	09/27/06
06	OLFS4-DPW16-	0609061-22	09/27/06	09/27/06
07	OLFS4-DPW17-	0609061-23	09/27/06	09/27/06
08				
09				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				
26				

COMMENTS: _____

FORM 1
PCB ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

PS2BLK0924

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.P09061

Matrix: (soil/water) SOIL Lab Sample ID: PS2BLK0924

Sample wt/vol: 15.0 (g/mL) G Lab File ID: 022F2201

% Moisture: 0 decanted: (Y/N) N Date Sampled: _____

Extraction: (SepF/Cont/Sonc/Soxh) SOXH Date Extracted:09/24/06

Concentrated Extract Volume: 5.0(mL) Date Analyzed: 09/27/06 18:57

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	MDL	RL	CONC	Q
12674-11-2	PCB-1016	4.2	17		U
11104-28-2	PCB-1221	4.2	17		U
11141-16-5	PCB-1232	4.2	17		U
53469-21-9	PCB-1242	4.2	17		U
12672-29-6	PCB-1248	4.2	17		U
11097-69-1	PCB-1254	4.2	17		U
11096-82-5	PCB-1260	4.2	17		U

FORM 1
PRO ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-DPW10-S45

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.F09061

Matrix: (soil/water) SOIL Lab Sample ID: 0609061-05

Sample wt/vol: 25.3 (g/mL) G Lab File ID: 019R0201

% Moisture: 15 decanted: (Y/N) N Date Sampled: 09/11/06 08:30

Extraction: (SepF/Cont/Sonc/Soxh) SONC Date Extracted:09/19/06

Concentrated Extract Volume: 2.0(mL) Date Analyzed: 09/23/06 20:07

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS: (ug/L or ug/Kg) MG/KG

CAS NO.	COMPOUND	MDL	RL	CONC	Q
	PRO-8-40------Petroleum Range	12	35		U

FORM 1
PRO ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-DPW11-S45

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.F09061

Matrix: (soil/water) SOIL Lab Sample ID: 0609061-07

Sample wt/vol: 25.4 (g/mL) G Lab File ID: 020R0201

% Moisture: 9 decanted: (Y/N) N Date Sampled: 09/11/06 10:00

Extraction: (SepF/Cont/Sonc/Soxh) SONC Date Extracted:09/19/06

Concentrated Extract Volume: 2.0(mL) Date Analyzed: 09/23/06 20:50

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS: (ug/L or ug/Kg) MG/KG

CAS NO.	COMPOUND	MDL	RL	CONC	Q
	PRO-8-40------Petroleum Range	11	32		U

FORM 1
PRO ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-DPW7-S45

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.F09061

Matrix: (soil/water) SOIL Lab Sample ID: 0609061-08

Sample wt/vol: 25.4 (g/mL) G Lab File ID: 021R0201

% Moisture: 16 decanted: (Y/N) N Date Sampled: 09/11/06 14:10

Extraction: (SepF/Cont/Sonc/Soxh) SONC Date Extracted:09/19/06

Concentrated Extract Volume: 2.0(mL) Date Analyzed: 09/23/06 21:32

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) MG/KG MDL	RL	CONC	Q
PRO-8-40------	Petroleum Range	12	35		U

FORM 1
PRO ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-DPW12-S45

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.F09061

Matrix: (soil/water) SOIL Lab Sample ID: 0609061-10

Sample wt/vol: 25.4 (g/mL) G Lab File ID: 022R0201

% Moisture: 15 decanted: (Y/N) N Date Sampled: 09/11/06 16:35

Extraction: (SepF/Cont/Sonc/Soxh) SONC Date Extracted:09/19/06

Concentrated Extract Volume: 2.0(mL) Date Analyzed: 09/23/06 22:15

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) MG/KG MDL	RL	CONC	Q
	PRO-8-40------Petroleum Range	12	34		U

FORM 1
PRO ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-DPW22-S26

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.F09061

Matrix: (soil/water) SOIL Lab Sample ID: 0609061-16

Sample wt/vol: 25.0 (g/mL) G Lab File ID: 023R0201

% Moisture: 5 decanted: (Y/N) N Date Sampled: 09/11/06 08:45

Extraction: (SepF/Cont/Sonc/Soxh) SONC Date Extracted:09/19/06

Concentrated Extract Volume: 2.0(mL) Date Analyzed: 09/23/06 22:57

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) MG/KG MDL	RL	CONC	Q
	PRO-8-40------Petroleum Range	10	32		U

FORM 1
PRO ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-DPW13-S4

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.F09061

Matrix: (soil/water) SOIL Lab Sample ID: 0609061-19

Sample wt/vol: 25.6 (g/mL) G Lab File ID: 025R0201

% Moisture: 10 decanted: (Y/N) N Date Sampled: 09/11/06 15:40

Extraction: (SepF/Cont/Sonc/Soxh) SONC Date Extracted:09/19/06

Concentrated Extract Volume: 2.0(mL) Date Analyzed: 09/24/06 00:22

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) MG/KG MDL	RL	CONC	Q
	PRO-8-40------Petroleum Range	11	33		U

FORM 1
PRO ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-DPW14-S6

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.F09061

Matrix: (soil/water) SOIL Lab Sample ID: 0609061-20

Sample wt/vol: 25.5 (g/mL) G Lab File ID: 026R0201

% Moisture: 8 decanted: (Y/N) N Date Sampled: 09/11/06 16:15

Extraction: (SepF/Cont/Sonc/Soxh) SONC Date Extracted:09/19/06

Concentrated Extract Volume: 2.0(mL) Date Analyzed: 09/24/06 01:04

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS: (ug/L or ug/Kg) MG/KG

CAS NO.	COMPOUND	MDL	RL	CONC	Q
	PRO-8-40------Petroleum Range	10	32		U

FORM 1
PRO ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-DPW15-S4

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.F09061

Matrix: (soil/water) SOIL Lab Sample ID: 0609061-21

Sample wt/vol: 25.4 (g/mL) G Lab File ID: 033R0201

% Moisture: 12 decanted: (Y/N) N Date Sampled: 09/11/06 16:40

Extraction: (SepF/Cont/Sonc/Soxh) SONC Date Extracted:09/20/06

Concentrated Extract Volume: 2.0(mL) Date Analyzed: 09/24/06 06:02

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS: (ug/L or ug/Kg) MG/KG

CAS NO.	COMPOUND	MDL	RL	CONC	Q
	PRO-8-40------Petroleum Range	11	34	510	

FORM 1
PRO ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-DPW16-S4

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.F09061

Matrix: (soil/water) SOIL Lab Sample ID: 0609061-22

Sample wt/vol: 25.1 (g/mL) G Lab File ID: 034R0201

% Moisture: 9 decanted: (Y/N) N Date Sampled: 09/11/06 16:55

Extraction: (SepF/Cont/Sonc/Soxh) SONC Date Extracted:09/20/06

Concentrated Extract Volume: 2.0(mL) Date Analyzed: 09/24/06 06:44

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS: (ug/L or ug/Kg) MG/KG

CAS NO.	COMPOUND	MDL	RL	CONC	Q
	PRO-8-40------Petroleum Range	11	33	36	

FORM 1
PRO ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-DPW17-S12

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.F09061

Matrix: (soil/water) SOIL Lab Sample ID: 0609061-23

Sample wt/vol: 25.2 (g/mL) G Lab File ID: 036R0201

% Moisture: 6 decanted: (Y/N) N Date Sampled: 09/11/06 17:10

Extraction: (SepF/Cont/Sonc/Soxh) SONC Date Extracted:09/20/06

Concentrated Extract Volume: 2.0(mL) Date Analyzed: 09/24/06 08:09

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS: (ug/L or ug/Kg) MG/KG

CAS NO.	COMPOUND	MDL	RL	CONC	Q
	PRO-8-40------Petroleum Range	10	32		U

FORM 2
SOIL PRO SURROGATE RECOVERY

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.F09061

Column(1): ZB-5 ID: 0.32 (mm)

	CLIENT SAMPLE NO.	S1 %REC #	S2 %REC #	S3 %REC #	S4 %REC #	S5 %REC #	S6 %REC #	TOT OUT
01	FS1BLK0919	103	77					0
02	FS1BLK0919LC	102	58*					0
03	OLFS4-DPW10-	93	55*					0
04	OLFS4-DPW11-	86	50*					0
05	OLFS4-DPW7-S	92	55*					0
06	OLFS4-DPW12-	78	75					0
07	OLFS4-DPW22-	91	51*					0
08	OLFS4-DPW13-	79	61*					0
09	OLFS4-DPW14-	96	51*					0
10	FS1BLK0920	81	72*					0
11	FS1BLK0920LC	91	80					0
12	OLFS4-DPW15-	96	94					0
13	OLFS4-DPW16-	96	112					0
14	OLFS4-DPW17-	79	53*					0
15								
16								
17								
18								
19								
20								
21								
22								
23								
24								
25								
26								
27								
28								
29								
30								

* potentially biased LNR confirmed w/ reanalysis

		EL QC LIMITS	SPIKE CONC (mg/Kg)
S1	= Ortho-Terphenyl	(45-135)	2.0
S2	= Nonatriacontane	(40-150)	12

Column to be used to flag recovery values
* Values outside of QC limits
D Surrogate results reported from a diluted analysis

FORM 3
SOIL PRO LAB CONTROL SAMPLE

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.F09061

Matrix Spike - Client Sample No.: FS1BLK0919

COMPOUND	SPIKE ADDED (mg/Kg)	SAMPLE CONCENTRATION (mg/Kg)	LCS CONCENTRATION (mg/Kg)	LCS % REC #	QC. LIMITS REC.
Petroleum Range	128.0	0.0000	137.2	107	50-140

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 0 outside limits
Spike Recovery: 0 out of 1 outside limits

COMMENTS: _____

FORM 3
SOIL PRO LAB CONTROL SAMPLE

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.F09061

Matrix Spike - Client Sample No.: FS1BLK0920

COMPOUND	SPIKE ADDED (mg/Kg)	SAMPLE CONCENTRATION (mg/Kg)	LCS CONCENTRATION (mg/Kg)	LCS % REC #	QC. LIMITS REC.
Petroleum Range	128.0	0.0000	126.1	98	50-140

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 0 outside limits
Spike Recovery: 0 out of 1 outside limits

COMMENTS: _____

FORM 4
PRO METHOD BLANK SUMMARY

CLIENT SAMPLE NO.

FS1BLK0919

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.F09061

Lab Sample ID: FS1BLK0919 Lab File ID: 003R0201

Matrix (soil/water) SOIL Extraction: (SepF/Cont/Sonc/Soxh) SONC

Sulfur Cleanup (Y/N) N Date Extracted: 09/19/06

Date Analyzed (1): 09/23/06 Date Analyzed (2):

Time Analyzed (1): 0853 Time Analyzed (2):

Instrument ID (1): GCTCDFID Instrument ID (2):

Column (1): ZB-5 ID: 0.32(mm) Column (2): ID:

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
01	FS1BLK0919LC	FS1BLK0919LCS	09/23/06	
02	OLFS4-DPW10-	0609061-05	09/23/06	
03	OLFS4-DPW11-	0609061-07	09/23/06	
04	OLFS4-DPW7-S	0609061-08	09/23/06	
05	OLFS4-DPW12-	0609061-10	09/23/06	
06	OLFS4-DPW22-	0609061-16	09/23/06	
07	OLFS4-DPW13-	0609061-19	09/24/06	
08	OLFS4-DPW14-	0609061-20	09/24/06	
09				
10				
11				
12				
13				
14				
15				
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18				
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26				

COMMENTS: _____

FORM 1
PRO ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

FS1BLK0919

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.F09061

Matrix: (soil/water) SOIL Lab Sample ID: FS1BLK0919

Sample wt/vol: 25.0 (g/mL) G Lab File ID: 003R0201

% Moisture: 0 decanted: (Y/N) N Date Sampled: _____

Extraction: (SepF/Cont/Sonc/Soxh) SONC Date Extracted:09/19/06

Concentrated Extract Volume: 2.0(mL) Date Analyzed: 09/23/06 08:53

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS: (ug/L or ug/Kg) MG/KG

CAS NO.	COMPOUND	MDL	RL	CONC	Q
	PRO-8-40------Petroleum Range	10	30		U

FORM 4
PRO METHOD BLANK SUMMARY

CLIENT SAMPLE NO.

FS1BLK0920

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.F09061

Lab Sample ID: FS1BLK0920 Lab File ID: 029R0201

Matrix (soil/water) SOIL Extraction: (SepF/Cont/Sonc/Soxh) SONC

Sulfur Cleanup (Y/N) N Date Extracted: 09/20/06

Date Analyzed (1): 09/24/06 Date Analyzed (2):

Time Analyzed (1): 0312 Time Analyzed (2):

Instrument ID (1): GCTCDFID Instrument ID (2):

Column (1): ZB-5 ID: 0.32(mm) Column (2): ID:

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
01	FS1BLK0920LC	FS1BLK0920LCS	09/24/06	
02	OLFS4-DPW15-	0609061-21	09/24/06	
03	OLFS4-DPW16-	0609061-22	09/24/06	
04	OLFS4-DPW17-	0609061-23	09/24/06	
05				
06				
07				
08				
09				
10				
11				
12				
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COMMENTS: _____

FORM 1
PRO ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

FS1BLK0920

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.F09061

Matrix: (soil/water) SOIL Lab Sample ID: FS1BLK0920

Sample wt/vol: 25.0 (g/mL) G Lab File ID: 029R0201

% Moisture: 0 decanted: (Y/N) N Date Sampled: _____

Extraction: (SepF/Cont/Sonc/Soxh) SONC Date Extracted:09/20/06

Concentrated Extract Volume: 2.0(mL) Date Analyzed: 09/24/06 03:12

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS: (ug/L or ug/Kg) MG/KG

CAS NO.	COMPOUND	MDL	RL	CONC	Q
	PRO-8-40------Petroleum Range _____	10	30		U

USEPA - 6010B
- 1 -
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-DPB1-S10

Lab Name: Empirical Labs Contract: TetraTech NUS

Lab Code: ELABN Case No.: SAS No.: SDG: 0609069

Matrix: SOIL Lab Sample ID: 0609069-01

Level (low/med): LOW Date Sampled: 09/12/06

% Solids: 96.0 Date Received: 09/13/06

Concentration Units (ug/L or mg/kg dry weight): mg/Kg

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
7440-22-4	Silver	0.055	0.55		U		P
7429-90-5	Aluminum	4.1	11.0	5270		J3	P
7440-38-2	Arsenic	0.16	0.55	0.81			P
7440-39-3	Barium	0.27	11.0	6.5	I		P
7440-41-7	Beryllium	0.22	0.55		U		P
7440-70-2	Calcium	54.8	274		U		P
7440-43-9	Cadmium	0.055	0.27		U		P
7440-48-4	Cobalt	0.27	2.7	0.32	I		P
7440-47-3	Chromium	0.11	0.55	6.3		J3	P
7440-50-8	Copper	0.27	1.4	2.5			P
7439-89-6	Iron	1.6	5.5	3670		J3	P
7440-09-7	Potassium	54.8	274	99.5	I	J3	P
7439-95-4	Magnesium	54.8	274	135	I		P
7439-96-5	Manganese	0.16	0.82	12.2			P

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

USEPA - 6010B
- 1 -
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-DPB1-S10

Lab Name: Empirical Labs Contract: TetraTech NUS

Lab Code: ELABN Case No.: SAS No.: SDG: 0609069

Matrix: SOIL Lab Sample ID: 0609069-01

Level (low/med): LOW Date Sampled: 09/12/06

% Solids: 96.0 Date Received: 09/13/06

Concentration Units (ug/L or mg/kg dry weight): mg/Kg

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
7440-23-5	Sodium	54.8	274		U		P
7440-02-0	Nickel	0.27	2.2	2.2			P
7439-92-1	Lead	0.082	0.16	1.9			P
7440-36-0	Antimony	0.27	3.3		U	J3	P
7782-49-2	Selenium	0.27	0.55		U		P
7440-28-0	Thallium	0.16	0.55		U		P
7440-62-2	Vanadium	0.27	2.7	7.2			P
7440-66-6	Zinc	0.55	1.1	8.2			P

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

USEPA - 7471A
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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-DPB1-S10

Lab Name: Empirical Labs Contract: TetraTech NUS

Lab Code: ELABN Case No.: SAS No.: SDG: 0609069

Matrix: SOIL Lab Sample ID: 0609069-01

Level (low/med): LOW Date Sampled: 09/12/06

% Solids: 96.0 Date Received: 09/13/06

Concentration Units (ug/L or mg/kg dry weight): mg/Kg

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
7439-97-6	Mercury	0.013	0.033		U		AV

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

USEPA - 9012A
- 1 -
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-DPB1-S10

Lab Name: Empirical Labs Contract: TetraTech NUS

Lab Code: ELABN Case No.: SAS No.: SDG: 0609069

Matrix: SOIL Lab Sample ID: 0609069-01

Level (low/med): LOW Date Sampled: 09/12/06

% Solids: 96.0 Date Received: 09/13/06

Concentration Units (ug/L or mg/kg dry weight): mg/Kg

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
57-12-5	Cyanide	0.13	0.26		U		AS

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

USEPA - 6010B
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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-DPB2-S10

Lab Name: Empirical Labs Contract: TetraTech NUS

Lab Code: ELABN Case No.: SAS No.: SDG: 0609069

Matrix: SOIL Lab Sample ID: 0609069-02

Level (low/med): LOW Date Sampled: 09/12/06

% Solids: 98.0 Date Received: 09/13/06

Concentration Units (ug/L or mg/kg dry weight): mg/Kg

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
7440-22-4	Silver	0.054	0.54		U		P
7429-90-5	Aluminum	4.0	10.7	3890		J3	P
7440-38-2	Arsenic	0.16	0.54	0.52	I		P
7440-39-3	Barium	0.27	10.7	5.3	I		P
7440-41-7	Beryllium	0.22	0.54		U		P
7440-70-2	Calcium	53.7	269	75.1	I		P
7440-43-9	Cadmium	0.054	0.27		U		P
7440-48-4	Cobalt	0.27	2.7	0.33	I		P
7440-47-3	Chromium	0.11	0.54	3.2		J3	P
7440-50-8	Copper	0.27	1.3	1.7			P
7439-89-6	Iron	1.6	5.4	2280		J3	P
7440-09-7	Potassium	53.7	269	79.3	I	J3	P
7439-95-4	Magnesium	53.7	269	105	I		P
7439-96-5	Manganese	0.16	0.81	13.7			P

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

USEPA - 6010B
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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-DPB2-S10

Lab Name: Empirical Labs Contract: TetraTech NUS

Lab Code: ELABN Case No.: SAS No.: SDG: 0609069

Matrix: SOIL Lab Sample ID: 0609069-02

Level (low/med): LOW Date Sampled: 09/12/06

% Solids: 98.0 Date Received: 09/13/06

Concentration Units (ug/L or mg/kg dry weight): mg/Kg

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
7440-23-5	Sodium	53.7	269		U		P
7440-02-0	Nickel	0.27	2.1	1.2	I		P
7439-92-1	Lead	0.081	0.16	1.5			P
7440-36-0	Antimony	0.27	3.2		U	J3	P
7782-49-2	Selenium	0.27	0.54		U		P
7440-28-0	Thallium	0.27	0.54		U		P
7440-62-2	Vanadium	0.27	2.7	5.2			P
7440-66-6	Zinc	0.54	1.1	3.7			P

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: Thallium MDL increased due to negative bias (-4.32 ug/L). SMC 10/6/06

USEPA - 7471A
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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-DPB2-S10

Lab Name: Empirical Labs Contract: TetraTech NUS

Lab Code: ELABN Case No.: SAS No.: SDG: 0609069

Matrix: SOIL Lab Sample ID: 0609069-02

Level (low/med): LOW Date Sampled: 09/12/06

% Solids: 98.0 Date Received: 09/13/06

Concentration Units (ug/L or mg/kg dry weight): mg/Kg

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
7439-97-6	Mercury	0.013	0.032		U		AV

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

USEPA - 9012A
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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-DPB2-S10

Lab Name: Empirical Labs Contract: TetraTech NUS

Lab Code: ELABN Case No.: SAS No.: SDG: 0609069

Matrix: SOIL Lab Sample ID: 0609069-02

Level (low/med): LOW Date Sampled: 09/12/06

% Solids: 98.0 Date Received: 09/13/06

Concentration Units (ug/L or mg/kg dry weight): mg/Kg

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
57-12-5	Cyanide	0.13	0.26		U		AS

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

USEPA - 6010B
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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-DPB3-S10

Lab Name: Empirical Labs Contract: TetraTech NUS

Lab Code: ELABN Case No.: SAS No.: SDG: 0609069

Matrix: SOIL Lab Sample ID: 0609069-03

Level (low/med): LOW Date Sampled: 09/12/06

% Solids: 96.0 Date Received: 09/13/06

Concentration Units (ug/L or mg/kg dry weight): mg/Kg

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
7440-22-4	Silver	0.052	0.52		U		P
7429-90-5	Aluminum	3.9	10.4	2760			P
7440-38-2	Arsenic	0.16	0.52	0.46	I		P
7440-39-3	Barium	0.26	10.4	3.6	I		P
7440-41-7	Beryllium	0.21	0.52		U		P
7440-70-2	Calcium	52.1	260		U		P
7440-43-9	Cadmium	0.052	0.26		U		P
7440-48-4	Cobalt	0.26	2.6		U		P
7440-47-3	Chromium	0.10	0.52	2.1			P
7440-50-8	Copper	0.26	1.3	1.2	I		P
7439-89-6	Iron	1.6	5.2	1660			P
7440-09-7	Potassium	52.1	260		U	J3	P
7439-95-4	Magnesium	52.1	260	66.2	I		P
7439-96-5	Manganese	0.16	0.78	13.8			P

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

USEPA - 6010B
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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-DPB3-S10

Lab Name: Empirical Labs Contract: TetraTech NUS

Lab Code: ELABN Case No.: SAS No.: SDG: 0609069

Matrix: SOIL Lab Sample ID: 0609069-03

Level (low/med): LOW Date Sampled: 09/12/06

% Solids: 96.0 Date Received: 09/13/06

Concentration Units (ug/L or mg/kg dry weight): mg/Kg

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
7440-23-5	Sodium	52.1	260		U		P
7440-02-0	Nickel	0.26	2.1	0.78	I		P
7439-92-1	Lead	0.078	0.16	1.2			P
7440-36-0	Antimony	0.26	3.1		U		P
7782-49-2	Selenium	0.26	0.52		U		P
7440-28-0	Thallium	0.26	0.52		U		P
7440-62-2	Vanadium	0.26	2.6	3.8			P
7440-66-6	Zinc	0.52	1.0	2.7			P

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: Thallium MDL increased due to negative bias (-4.97 ug/L) SMG 10/06/06

USEPA - 7471A
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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-DPB3-S10

Lab Name: Empirical Labs Contract: TetraTech NUS

Lab Code: ELABN Case No.: SAS No.: SDG: 0609069

Matrix: SOIL Lab Sample ID: 0609069-03

Level (low/med): LOW Date Sampled: 09/12/06

% Solids: 96.0 Date Received: 09/13/06

Concentration Units (ug/L or mg/kg dry weight): mg/Kg

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
7439-97-6	Mercury	0.014	0.035		U		AV

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-DPB3-S10

Lab Name: Empirical Labs Contract: TetraTech NUS

Lab Code: ELABN Case No.: SAS No.: SDG: 0609069

Matrix: SOIL Lab Sample ID: 0609069-03

Level (low/med): LOW Date Sampled: 09/12/06

% Solids: 96.0 Date Received: 09/13/06

Concentration Units (ug/L or mg/kg dry weight): mg/Kg

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
57-12-5	Cyanide	0.13	0.26		U		AS

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

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USEPA - 6010B
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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-DPB4-S10

Lab Name: Empirical Labs Contract: TetraTech NUS

Lab Code: ELABN Case No.: SAS No.: SDG: 0609069

Matrix: SOIL Lab Sample ID: 0609069-04

Level (low/med): LOW Date Sampled: 09/12/06

% Solids: 97.0 Date Received: 09/13/06

Concentration Units (ug/L or mg/kg dry weight): mg/Kg

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
7440-22-4	Silver	0.050	0.50		U		P
7429-90-5	Aluminum	3.8	10.1	2560		J3	P
7440-38-2	Arsenic	0.15	0.50	0.38	I		P
7440-39-3	Barium	0.25	10.1	3.8	I		P
7440-41-7	Beryllium	0.20	0.50		U		P
7440-70-2	Calcium	50.3	251		U		P
7440-43-9	Cadmium	0.050	0.25		U		P
7440-48-4	Cobalt	0.25	2.5		U		P
7440-47-3	Chromium	0.10	0.50	1.9		J3	P
7440-50-8	Copper	0.25	1.3	0.87	I		P
7439-89-6	Iron	1.5	5.0	1460		J3	P
7440-09-7	Potassium	50.3	251		U	J3	P
7439-95-4	Magnesium	50.3	251	64.0	I		P
7439-96-5	Manganese	0.15	0.75	15.2			P

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

USEPA - 6010B
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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-DPB4-S10

Lab Name: Empirical Labs Contract: TetraTech NUS

Lab Code: ELABN Case No.: SAS No.: SDG: 0609069

Matrix: SOIL Lab Sample ID: 0609069-04

Level (low/med): LOW Date Sampled: 09/12/06

% Solids: 97.0 Date Received: 09/13/06

Concentration Units (ug/L or mg/kg dry weight): mg/Kg

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
7440-23-5	Sodium	50.3	251		U		P
7440-02-0	Nickel	0.25	2.0	0.84	I		P
7439-92-1	Lead	0.075	0.15	1.1			P
7440-36-0	Antimony	0.25	3.0		U	J3	P
7782-49-2	Selenium	0.25	0.50		U		P
7440-28-0	Thallium	0.25	0.50		U		P
7440-62-2	Vanadium	0.25	2.5	3.5			P
7440-66-6	Zinc	0.50	1.0	3.2			P

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: Thallium MDL increased due to negative bias (-4.49 ug/L) SMG 10/6/06

USEPA - 7471A
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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-DPB4-S10

Lab Name: Empirical Labs Contract: TetraTech NUS

Lab Code: ELABN Case No.: SAS No.: SDG: 0609069

Matrix: SOIL Lab Sample ID: 0609069-04

Level (low/med): LOW Date Sampled: 09/12/06

% Solids: 97.0 Date Received: 09/13/06

Concentration Units (ug/L or mg/kg dry weight): mg/Kg

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
7439-97-6	Mercury	0.013	0.032		U		AV

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

USEPA - 9012A
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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-DPB4-S10

Lab Name: Empirical Labs Contract: TetraTech NUS

Lab Code: ELABN Case No.: SAS No.: SDG: 0609069

Matrix: SOIL Lab Sample ID: 0609069-04

Level (low/med): LOW Date Sampled: 09/12/06

% Solids: 97.0 Date Received: 09/13/06

Concentration Units (ug/L or mg/kg dry weight): mg/Kg

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
57-12-5	Cyanide	0.13	0.26		U		AS

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

USEPA - 6010B
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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-DPB4-S10-D

Lab Name: Empirical Labs Contract: TetraTech NUS

Lab Code: ELABN Case No.: SAS No.: SDG: 0609069

Matrix: SOIL Lab Sample ID: 0609069-05

Level (low/med): LOW Date Sampled: 09/12/06

% Solids: 97.0 Date Received: 09/13/06

Concentration Units (ug/L or mg/kg dry weight): mg/Kg

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
7440-22-4	Silver	0.051	0.51		U		P
7429-90-5	Aluminum	3.8	10.2	2440		J3	P
7440-38-2	Arsenic	0.15	0.51	0.34	I		P
7440-39-3	Barium	0.26	10.2	3.4	I		P
7440-41-7	Beryllium	0.20	0.51		U		P
7440-70-2	Calcium	51.0	255		U		P
7440-43-9	Cadmium	0.051	0.26		U		P
7440-48-4	Cobalt	0.26	2.6		U		P
7440-47-3	Chromium	0.10	0.51	1.9		J3	P
7440-50-8	Copper	0.26	1.3	0.87	I		P
7439-89-6	Iron	1.5	5.1	1400		J3	P
7440-09-7	Potassium	51.0	255		U	J3	P
7439-95-4	Magnesium	51.0	255	58.1	I		P
7439-96-5	Manganese	0.15	0.77	15.7			P

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

USEPA - 6010B
- 1 -
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-DPB4-S10-D

Lab Name: Empirical Labs Contract: TetraTech NUS

Lab Code: ELABN Case No.: SAS No.: SDG: 0609069

Matrix: SOIL Lab Sample ID: 0609069-05

Level (low/med): LOW Date Sampled: 09/12/06

% Solids: 97.0 Date Received: 09/13/06

Concentration Units (ug/L or mg/kg dry weight): mg/Kg

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
7440-23-5	Sodium	51.0	255		U		P
7440-02-0	Nickel	0.26	2.0	0.69	I		P
7439-92-1	Lead	0.077	0.15	1.2			P
7440-36-0	Antimony	0.26	3.1		U	J3	P
7782-49-2	Selenium	0.26	0.51		U		P
7440-28-0	Thallium	0.26	0.51		U		P
7440-62-2	Vanadium	0.26	2.6	3.4			P
7440-66-6	Zinc	0.51	1.0	3.0			P

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: Thallium MDL increased due to negative bias (-4.30 ug/L). SMB 10/6/06

USEPA - 7471A
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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-DPB4-S10-D

Lab Name: Empirical Labs Contract: TetraTech NUS

Lab Code: ELABN Case No.: SAS No.: SDG: 0609069

Matrix: SOIL Lab Sample ID: 0609069-05

Level (low/med): LOW Date Sampled: 09/12/06

% Solids: 97.0 Date Received: 09/13/06

Concentration Units (ug/L or mg/kg dry weight): mg/Kg

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
7439-97-6	Mercury	0.012	0.030		U		AV

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

USEPA - 9012A
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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-DPB4-S10-D

Lab Name: Empirical Labs Contract: TetraTech NUS

Lab Code: ELABN Case No.: SAS No.: SDG: 0609069

Matrix: SOIL Lab Sample ID: 0609069-05

Level (low/med): LOW Date Sampled: 09/12/06

% Solids: 97.0 Date Received: 09/13/06

Concentration Units (ug/L or mg/kg dry weight): mg/Kg

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
57-12-5	Cyanide	0.13	0.26		U		AS

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

_____

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USEPA - 6010B
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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-DPB5-S10

Lab Name: Empirical Labs Contract: TetraTech NUS

Lab Code: ELABN Case No.: SAS No.: SDG: 0609069

Matrix: SOIL Lab Sample ID: 0609069-06

Level (low/med): LOW Date Sampled: 09/12/06

% Solids: 97.0 Date Received: 09/13/06

Concentration Units (ug/L or mg/kg dry weight): mg/Kg

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
7440-22-4	Silver	0.053	0.53		U		P
7429-90-5	Aluminum	4.0	10.7	3800		J3	P
7440-38-2	Arsenic	0.16	0.53	0.55			P
7440-39-3	Barium	0.27	10.7	5.4	I		P
7440-41-7	Beryllium	0.21	0.53		U		P
7440-70-2	Calcium	53.4	267		U		P
7440-43-9	Cadmium	0.053	0.27		U		P
7440-48-4	Cobalt	0.27	2.7	0.29	I		P
7440-47-3	Chromium	0.11	0.53	2.7		J3	P
7440-50-8	Copper	0.27	1.3	1.5			P
7439-89-6	Iron	1.6	5.3	2080		J3	P
7440-09-7	Potassium	53.4	267	73.9	I	J3	P
7439-95-4	Magnesium	53.4	267	93.9	I		P
7439-96-5	Manganese	0.16	0.80	17.0			P

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

USEPA - 6010B
- 1 -
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-DPB5-S10

Lab Name: Empirical Labs Contract: TetraTech NUS

Lab Code: ELABN Case No.: SAS No.: SDG: 0609069

Matrix: SOIL Lab Sample ID: 0609069-06

Level (low/med): LOW Date Sampled: 09/12/06

% Solids: 97.0 Date Received: 09/13/06

Concentration Units (ug/L or mg/kg dry weight): mg/Kg

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
7440-23-5	Sodium	53.4	267		U		P
7440-02-0	Nickel	0.27	2.1	1.2	I		P
7439-92-1	Lead	0.080	0.16	1.5			P
7440-36-0	Antimony	0.27	3.2		U	J3	P
7782-49-2	Selenium	0.27	0.53		U		P
7440-28-0	Thallium	0.16	0.53		U		P
7440-62-2	Vanadium	0.27	2.7	4.9			P
7440-66-6	Zinc	0.53	1.1	3.4			P

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

USEPA - 7471A
- 1 -
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-DPB5-S10

Lab Name: Empirical Labs Contract: TetraTech NUS

Lab Code: ELABN Case No.: SAS No.: SDG: 0609069

Matrix: SOIL Lab Sample ID: 0609069-06

Level (low/med): LOW Date Sampled: 09/12/06

% Solids: 97.0 Date Received: 09/13/06

Concentration Units (ug/L or mg/kg dry weight): mg/Kg

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
7439-97-6	Mercury	0.013	0.032		U		AV

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

USEPA - 9012A
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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-DPB5-S10

Lab Name: Empirical Labs Contract: TetraTech NUS

Lab Code: ELABN Case No.: SAS No.: SDG: 0609069

Matrix: SOIL Lab Sample ID: 0609069-06

Level (low/med): LOW Date Sampled: 09/12/06

% Solids: 97.0 Date Received: 09/13/06

Concentration Units (ug/L or mg/kg dry weight): mg/Kg

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
57-12-5	Cyanide	0.13	0.26		U		AS

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

USEPA - 6010B
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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-DPB6-S10

Lab Name: Empirical Labs Contract: TetraTech NUS

Lab Code: ELABN Case No.: SAS No.: SDG: 0609069

Matrix: SOIL Lab Sample ID: 0609069-07

Level (low/med): LOW Date Sampled: 09/12/06

% Solids: 97.0 Date Received: 09/13/06

Concentration Units (ug/L or mg/kg dry weight): mg/Kg

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
7440-22-4	Silver	0.053	0.53		U		P
7429-90-5	Aluminum	3.9	10.5	4060		J3	P
7440-38-2	Arsenic	0.16	0.53	0.63			P
7440-39-3	Barium	0.26	10.5	7.0	I		P
7440-41-7	Beryllium	0.21	0.53		U		P
7440-70-2	Calcium	52.6	263		U		P
7440-43-9	Cadmium	0.053	0.26		U		P
7440-48-4	Cobalt	0.26	2.6	0.35	I		P
7440-47-3	Chromium	0.11	0.53	2.9		J3	P
7440-50-8	Copper	0.26	1.3	1.5			P
7439-89-6	Iron	1.6	5.3	2320		J3	P
7440-09-7	Potassium	52.6	263	96.9	I	J3	P
7439-95-4	Magnesium	52.6	263	126	I		P
7439-96-5	Manganese	0.16	0.79	20.7			P

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

USEPA - 6010B
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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-DPB6-S10

Lab Name: Empirical Labs Contract: TetraTech NUS

Lab Code: ELABN Case No.: SAS No.: SDG: 0609069

Matrix: SOIL Lab Sample ID: 0609069-07

Level (low/med): LOW Date Sampled: 09/12/06

% Solids: 97.0 Date Received: 09/13/06

Concentration Units (ug/L or mg/kg dry weight): mg/Kg

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
7440-23-5	Sodium	52.6	263		U		P
7440-02-0	Nickel	0.26	2.1	1.6	I		P
7439-92-1	Lead	0.079	0.16	1.8			P
7440-36-0	Antimony	0.26	3.2		U	J3	P
7782-49-2	Selenium	0.26	0.53		U		P
7440-28-0	Thallium	0.26	0.53		U		P
7440-62-2	Vanadium	0.26	2.6	5.4			P
7440-66-6	Zinc	0.53	1.1	4.0			P

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: Thallium MDL increased due to negative bias (-4.21 ug/L). SMO 10/10/06

USEPA - 7471A
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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-DPB6-S10

Lab Name: Empirical Labs Contract: TetraTech NUS

Lab Code: ELABN Case No.: SAS No.: SDG: 0609069

Matrix: SOIL Lab Sample ID: 0609069-07

Level (low/med): LOW Date Sampled: 09/12/06

% Solids: 97.0 Date Received: 09/13/06

Concentration Units (ug/L or mg/kg dry weight): mg/Kg

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
7439-97-6	Mercury	0.013	0.033		U		AV

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

USEPA - 9012A

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-DPB6-S10

Lab Name: Empirical Labs Contract: TetraTech NUS

Lab Code: ELABN Case No.: SAS No.: SDG: 0609069

Matrix: SOIL Lab Sample ID: 0609069-07

Level (low/med): LOW Date Sampled: 09/12/06

% Solids: 97.0 Date Received: 09/13/06

Concentration Units (ug/L or mg/kg dry weight): mg/Kg

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
57-12-5	Cyanide	0.13	0.26		U		AS

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

USEPA - 6010B
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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-DPB7-S10

Lab Name: Empirical Labs Contract: TetraTech NUS

Lab Code: ELABN Case No.: SAS No.: SDG: 0609069

Matrix: SOIL Lab Sample ID: 0609069-08

Level (low/med): LOW Date Sampled: 09/12/06

% Solids: 98.0 Date Received: 09/13/06

Concentration Units (ug/L or mg/kg dry weight): mg/Kg

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
7440-22-4	Silver	0.051	0.51		U		P
7429-90-5	Aluminum	3.8	10.3	2620		J3	P
7440-38-2	Arsenic	0.15	0.51	0.32	I		P
7440-39-3	Barium	0.26	10.3	4.9	I		P
7440-41-7	Beryllium	0.21	0.51		U		P
7440-70-2	Calcium	51.3	256		U		P
7440-43-9	Cadmium	0.051	0.26		U		P
7440-48-4	Cobalt	0.26	2.6		U		P
7440-47-3	Chromium	0.10	0.51	2.3		J3	P
7440-50-8	Copper	0.26	1.3	0.95	I		P
7439-89-6	Iron	1.5	5.1	1430		J3	P
7440-09-7	Potassium	51.3	256	63.1	I	J3	P
7439-95-4	Magnesium	51.3	256	80.6	I		P
7439-96-5	Manganese	0.15	0.77	12.1			P

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-DPB7-S10

Lab Name: Empirical Labs Contract: TetraTech NUS

Lab Code: ELABN Case No.: SAS No.: SDG: 0609069

Matrix: SOIL Lab Sample ID: 0609069-08

Level (low/med): LOW Date Sampled: 09/12/06

% Solids: 98.0 Date Received: 09/13/06

Concentration Units (ug/L or mg/kg dry weight): mg/Kg

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
7440-23-5	Sodium	51.3	256		U		P
7440-02-0	Nickel	0.26	2.1	1.0	I		P
7439-92-1	Lead	0.077	0.15	1.3			P
7440-36-0	Antimony	0.26	3.1		U	J3	P
7782-49-2	Selenium	0.26	0.51		U		P
7440-28-0	Thallium	0.21	0.51		U		P
7440-62-2	Vanadium	0.26	2.6	3.5			P
7440-66-6	Zinc	0.51	1.0	2.4			P

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: Thallium MDL increased due to negative bias (-3.90 ug/L). SMC 10/6/06

_____

_____

USEPA - 7471A
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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-DPB7-S10

Lab Name: Empirical Labs Contract: TetraTech NUS

Lab Code: ELABN Case No.: SAS No.: SDG: 0609069

Matrix: SOIL Lab Sample ID: 0609069-08

Level (low/med): LOW Date Sampled: 09/12/06

% Solids: 98.0 Date Received: 09/13/06

Concentration Units (ug/L or mg/kg dry weight): mg/Kg

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
7439-97-6	Mercury	0.014	0.034		U		AV

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

USEPA - 9012A

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-DPB7-S10

Lab Name: Empirical Labs Contract: TetraTech NUS

Lab Code: ELABN Case No.: SAS No.: SDG: 0609069

Matrix: SOIL Lab Sample ID: 0609069-08

Level (low/med): LOW Date Sampled: 09/12/06

% Solids: 98.0 Date Received: 09/13/06

Concentration Units (ug/L or mg/kg dry weight): mg/Kg

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
57-12-5	Cyanide	0.13	0.26		U		AS

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-DPB8-S10

Lab Name: Empirical Labs Contract: TetraTech NUS

Lab Code: ELABN Case No.: SAS No.: SDG: 0609069

Matrix: SOIL Lab Sample ID: 0609069-09

Level (low/med): LOW Date Sampled: 09/12/06

% Solids: 92.0 Date Received: 09/13/06

Concentration Units (ug/L or mg/kg dry weight): mg/Kg

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
7440-22-4	Silver	0.055	0.55		U		P
7429-90-5	Aluminum	4.1	11.0	6730		J3	P
7440-38-2	Arsenic	0.16	0.55	1.1			P
7440-39-3	Barium	0.27	11.0	7.6	I		P
7440-41-7	Beryllium	0.22	0.55		U		P
7440-70-2	Calcium	54.9	274	90.0	I		P
7440-43-9	Cadmium	0.055	0.27		U		P
7440-48-4	Cobalt	0.27	2.7	0.31	I		P
7440-47-3	Chromium	0.11	0.55	6.0		J3	P
7440-50-8	Copper	0.27	1.4	2.1			P
7439-89-6	Iron	1.6	5.5	3680		J3	P
7440-09-7	Potassium	54.9	274	108	I	J3	P
7439-95-4	Magnesium	54.9	274	140	I		P
7439-96-5	Manganese	0.16	0.82	33.1			P

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-DPB8-S10

Lab Name: Empirical Labs Contract: TetraTech NUS

Lab Code: ELABN Case No.: SAS No.: SDG: 0609069

Matrix: SOIL Lab Sample ID: 0609069-09

Level (low/med): LOW Date Sampled: 09/12/06

% Solids: 92.0 Date Received: 09/13/06

Concentration Units (ug/L or mg/kg dry weight): mg/Kg

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
7440-23-5	Sodium	54.9	274		U		P
7440-02-0	Nickel	0.27	2.2	1.6	I		P
7439-92-1	Lead	0.082	0.17	2.4			P
7440-36-0	Antimony	0.27	3.3		U	J3	P
7782-49-2	Selenium	0.27	0.55		U		P
7440-28-0	Thallium	0.16	0.55		U		P
7440-62-2	Vanadium	0.27	2.7	9.2			P
7440-66-6	Zinc	0.55	1.1	4.5			P

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-DPB8-S10

Lab Name: Empirical Labs Contract: TetraTech NUS

Lab Code: ELABN Case No.: SAS No.: SDG: 0609069

Matrix: SOIL Lab Sample ID: 0609069-09

Level (low/med): LOW Date Sampled: 09/12/06

% Solids: 92.0 Date Received: 09/13/06

Concentration Units (ug/L or mg/kg dry weight): mg/Kg

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
7439-97-6	Mercury	0.015	0.036		U		AV

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-DPB8-S10

Lab Name: Empirical Labs Contract: TetraTech NUS

Lab Code: ELABN Case No.: SAS No.: SDG: 0609069

Matrix: SOIL Lab Sample ID: 0609069-09

Level (low/med): LOW Date Sampled: 09/12/06

% Solids: 92.0 Date Received: 09/13/06

Concentration Units (ug/L or mg/kg dry weight): mg/Kg

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
57-12-5	Cyanide	0.14	0.27		U		AS

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-DPB9-S10

Lab Name: Empirical Labs Contract: TetraTech NUS

Lab Code: ELABN Case No.: SAS No.: SDG: 0609069

Matrix: SOIL Lab Sample ID: 0609069-10

Level (low/med): LOW Date Sampled: 09/12/06

% Solids: 97.0 Date Received: 09/13/06

Concentration Units (ug/L or mg/kg dry weight): mg/Kg

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
7440-22-4	Silver	0.11	0.53		U		P
7429-90-5	Aluminum	4.0	10.6	10400		J3	P
7440-38-2	Arsenic	0.16	0.53	1.2			P
7440-39-3	Barium	0.26	10.6	10.7			P
7440-41-7	Beryllium	0.21	0.53		U		P
7440-70-2	Calcium	52.9	264	149	I		P
7440-43-9	Cadmium	0.053	0.26		U		P
7440-48-4	Cobalt	0.26	2.6	0.39	I		P
7440-47-3	Chromium	0.11	0.53	8.2		J3	P
7440-50-8	Copper	0.26	1.3	3.8			P
7439-89-6	Iron	1.6	5.3	4930		J3	P
7440-09-7	Potassium	52.9	264	161	I	J3	P
7439-95-4	Magnesium	52.9	264	206	I		P
7439-96-5	Manganese	0.16	0.79	16.7			P

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

USEPA - 6010B
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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-DPB9-S10

Lab Name: Empirical Labs Contract: TetraTech NUS

Lab Code: ELABN Case No.: SAS No.: SDG: 0609069

Matrix: SOIL Lab Sample ID: 0609069-10

Level (low/med): LOW Date Sampled: 09/12/06

% Solids: 97.0 Date Received: 09/13/06

Concentration Units (ug/L or mg/kg dry weight): mg/Kg

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
7440-23-5	Sodium	52.9	264		U		P
7440-02-0	Nickel	0.26	2.1	2.4			P
7439-92-1	Lead	0.079	0.16	3.5			P
7440-36-0	Antimony	0.26	3.2		U	J3	P
7782-49-2	Selenium	0.26	0.53		U		P
7440-28-0	Thallium	0.16	0.53		U		P
7440-62-2	Vanadium	0.26	2.6	12.8			P
7440-66-6	Zinc	0.53	1.1	6.8			P

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: Silver MDL increased due to negative bias (-1.21 ug/L). SMO 10/16/06

USEPA - 7471A
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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-DPB9-S10

Lab Name: Empirical Labs Contract: TetraTech NUS

Lab Code: ELABN Case No.: SAS No.: SDG: 0609069

Matrix: SOIL Lab Sample ID: 0609069-10

Level (low/med): LOW Date Sampled: 09/12/06

% Solids: 97.0 Date Received: 09/13/06

Concentration Units (ug/L or mg/kg dry weight): mg/Kg

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
7439-97-6	Mercury	0.013	0.032	0.013	I		AV

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

USEPA - 9012A

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-DPB9-S10

Lab Name: Empirical Labs Contract: TetraTech NUS

Lab Code: ELABN Case No.: SAS No.: SDG: 0609069

Matrix: SOIL Lab Sample ID: 0609069-10

Level (low/med): LOW Date Sampled: 09/12/06

% Solids: 97.0 Date Received: 09/13/06

Concentration Units (ug/L or mg/kg dry weight): mg/Kg

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
57-12-5	Cyanide	0.13	0.26		U		AS

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

USEPA - 6010B
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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-DPB10-S10

Lab Name: Empirical Labs Contract: TetraTech NUS

Lab Code: ELABN Case No.: SAS No.: SDG: 0609069

Matrix: SOIL Lab Sample ID: 0609069-11

Level (low/med): LOW Date Sampled: 09/12/06

% Solids: 97.0 Date Received: 09/13/06

Concentration Units (ug/L or mg/kg dry weight): mg/Kg

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
7440-22-4	Silver	0.050	0.50		U		P
7429-90-5	Aluminum	3.8	10.0	5200		J3	P
7440-38-2	Arsenic	0.15	0.50	0.86			P
7440-39-3	Barium	0.25	10.0	8.1	I		P
7440-41-7	Beryllium	0.20	0.50		U		P
7440-70-2	Calcium	50.0	250	86.3	I		P
7440-43-9	Cadmium	0.050	0.25		U		P
7440-48-4	Cobalt	0.25	2.5	0.61	I		P
7440-47-3	Chromium	0.10	0.50	3.9		J3	P
7440-50-8	Copper	0.25	1.3	1.9			P
7439-89-6	Iron	1.5	5.0	3100		J3	P
7440-09-7	Potassium	50.0	250	115	I	J3	P
7439-95-4	Magnesium	50.0	250	148	I		P
7439-96-5	Manganese	0.15	0.75	29.0			P

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

USEPA - 6010B
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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-DPB10-S10

Lab Name: Empirical Labs Contract: TetraTech NUS

Lab Code: ELABN Case No.: SAS No.: SDG: 0609069

Matrix: SOIL Lab Sample ID: 0609069-11

Level (low/med): LOW Date Sampled: 09/12/06

% Solids: 97.0 Date Received: 09/13/06

Concentration Units (ug/L or mg/kg dry weight): mg/Kg

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
7440-23-5	Sodium	50.0	250		U		P
7440-02-0	Nickel	0.25	2.0	1.9	I		P
7439-92-1	Lead	0.075	0.15	2.1			P
7440-36-0	Antimony	0.25	3.0		U	J3	P
7782-49-2	Selenium	0.25	0.50		U		P
7440-28-0	Thallium	0.15	0.50		U		P
7440-62-2	Vanadium	0.25	2.5	7.3			P
7440-66-6	Zinc	0.50	1.0	4.7			P

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

USEPA - 7471A
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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-DPB10-S10

Lab Name: Empirical Labs Contract: TetraTech NUS

Lab Code: ELABN Case No.: SAS No.: SDG: 0609069

Matrix: SOIL Lab Sample ID: 0609069-11

Level (low/med): LOW Date Sampled: 09/12/06

% Solids: 97.0 Date Received: 09/13/06

Concentration Units (ug/L or mg/kg dry weight): mg/Kg

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
7439-97-6	Mercury	0.013	0.031		U		AV

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

USEPA - 9012A
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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-DPB10-S10

Lab Name: Empirical Labs Contract: TetraTech NUS

Lab Code: ELABN Case No.: SAS No.: SDG: 0609069

Matrix: SOIL Lab Sample ID: 0609069-11

Level (low/med): LOW Date Sampled: 09/12/06

% Solids: 97.0 Date Received: 09/13/06

Concentration Units (ug/L or mg/kg dry weight): mg/Kg

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
57-12-5	Cyanide	0.13	0.26		U		AS

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

USEPA - 6010B
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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-DPW18-S12

Lab Name: Empirical Labs Contract: TetraTech NUS

Lab Code: ELABN Case No.: SAS No.: SDG: 0609069

Matrix: SOIL Lab Sample ID: 0609069-12

Level (low/med): LOW Date Sampled: 09/12/06

% Solids: 92.0 Date Received: 09/13/06

Concentration Units (ug/L or mg/kg dry weight): mg/Kg

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
7440-22-4	Silver	0.052	0.52		U		P
7429-90-5	Aluminum	3.9	10.3	21500		J3	P
7440-38-2	Arsenic	0.15	0.52	3.3			P
7440-39-3	Barium	0.26	10.3	8.1	I		P
7440-41-7	Beryllium	0.21	0.52		U		P
7440-70-2	Calcium	51.5	258		U		P
7440-43-9	Cadmium	0.052	0.26		U		P
7440-48-4	Cobalt	0.26	2.6	0.27	I		P
7440-47-3	Chromium	0.10	0.52	15.8		J3	P
7440-50-8	Copper	0.26	1.3	6.9			P
7439-89-6	Iron	1.5	5.2	11600		J3	P
7440-09-7	Potassium	51.5	258	173	I	J3	P
7439-95-4	Magnesium	51.5	258	185	I		P
7439-96-5	Manganese	0.15	0.77	19.4			P

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

USEPA - 6010B
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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-DPW18-S12

Lab Name: Empirical Labs Contract: TetraTech NUS

Lab Code: ELABN Case No.: SAS No.: SDG: 0609069

Matrix: SOIL Lab Sample ID: 0609069-12

Level (low/med): LOW Date Sampled: 09/12/06

% Solids: 92.0 Date Received: 09/13/06

Concentration Units (ug/L or mg/kg dry weight): mg/Kg

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
7440-23-5	Sodium	51.5	258		U		P
7440-02-0	Nickel	0.26	2.1	2.9			P
7439-92-1	Lead	0.077	0.15	4.6			P
7440-36-0	Antimony	0.26	3.1		U	J3	P
7782-49-2	Selenium	0.26	0.52		U		P
7440-28-0	Thallium	0.26	0.52		U		P
7440-62-2	Vanadium	0.26	2.6	29.0			P
7440-66-6	Zinc	0.52	1.0	7.7			P

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: Thallium MDL increased due to negative bias (-4.87ug/L). SMG 10/6/06

USEPA - 7471A
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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-DPW18-S12

Lab Name: Empirical Labs Contract: TetraTech NUS

Lab Code: ELABN Case No.: SAS No.: SDG: 0609069

Matrix: SOIL Lab Sample ID: 0609069-12

Level (low/med): LOW Date Sampled: 09/12/06

% Solids: 92.0 Date Received: 09/13/06

Concentration Units (ug/L or mg/kg dry weight): mg/Kg

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
7439-97-6	Mercury	0.012	0.030		U		AV

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

USEPA - 9012A
- 1 -
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-DPW18-S12

Lab Name: Empirical Labs Contract: TetraTech NUS

Lab Code: ELABN Case No.: SAS No.: SDG: 0609069

Matrix: SOIL Lab Sample ID: 0609069-12

Level (low/med): LOW Date Sampled: 09/12/06

% Solids: 92.0 Date Received: 09/13/06

Concentration Units (ug/L or mg/kg dry weight): mg/Kg

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
57-12-5	Cyanide	0.14	0.27		U		AS

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

USEPA - 6010B
- 1 -
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-DPW19-S12

Lab Name: Empirical Labs Contract: TetraTech NUS

Lab Code: ELABN Case No.: SAS No.: SDG: 0609069

Matrix: SOIL Lab Sample ID: 0609069-13

Level (low/med): LOW Date Sampled: 09/12/06

% Solids: 93.0 Date Received: 09/13/06

Concentration Units (ug/L or mg/kg dry weight): mg/Kg

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
7440-22-4	Silver	0.053	0.53		U		P
7429-90-5	Aluminum	4.0	10.5	20600		J3	P
7440-38-2	Arsenic	0.16	0.53	3.3			P
7440-39-3	Barium	0.26	10.5	7.8	I		P
7440-41-7	Beryllium	0.21	0.53		U		P
7440-70-2	Calcium	52.7	264	104	I		P
7440-43-9	Cadmium	0.053	0.26		U		P
7440-48-4	Cobalt	0.26	2.6		U		P
7440-47-3	Chromium	0.11	0.53	15.4		J3	P
7440-50-8	Copper	0.26	1.3	6.3			P
7439-89-6	Iron	1.6	5.3	11000		J3	P
7440-09-7	Potassium	52.7	264	135	I	J3	P
7439-95-4	Magnesium	52.7	264	170	I		P
7439-96-5	Manganese	0.16	0.79	19.4			P

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

USEPA - 6010B
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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-DPW19-S12

Lab Name: Empirical Labs Contract: TetraTech NUS

Lab Code: ELABN Case No.: SAS No.: SDG: 0609069

Matrix: SOIL Lab Sample ID: 0609069-13

Level (low/med): LOW Date Sampled: 09/12/06

% Solids: 93.0 Date Received: 09/13/06

Concentration Units (ug/L or mg/kg dry weight): mg/Kg

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
7440-23-5	Sodium	52.7	264		U		P
7440-02-0	Nickel	0.26	2.1	2.5			P
7439-92-1	Lead	0.079	0.16	4.3			P
7440-36-0	Antimony	0.26	3.2		U	J3	P
7782-49-2	Selenium	0.26	0.53		U		P
7440-28-0	Thallium	0.16	0.53		U		P
7440-62-2	Vanadium	0.26	2.6	27.3			P
7440-66-6	Zinc	0.53	1.1	7.1			P

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

USEPA - 7471A
- 1 -
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-DPW19-S12

Lab Name: Empirical Labs Contract: TetraTech NUS

Lab Code: ELABN Case No.: SAS No.: SDG: 0609069

Matrix: SOIL Lab Sample ID: 0609069-13

Level (low/med): LOW Date Sampled: 09/12/06

% Solids: 93.0 Date Received: 09/13/06

Concentration Units (ug/L or mg/kg dry weight): mg/Kg

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
7439-97-6	Mercury	0.014	0.036		U		AV

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

USEPA - 9012A

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-DPW19-S12

Lab Name: Empirical Labs Contract: TetraTech NUS

Lab Code: ELABN Case No.: SAS No.: SDG: 0609069

Matrix: SOIL Lab Sample ID: 0609069-13

Level (low/med): LOW Date Sampled: 09/12/06

% Solids: 93.0 Date Received: 09/13/06

Concentration Units (ug/L or mg/kg dry weight): mg/Kg

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
57-12-5	Cyanide	0.13	0.27		U		AS

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

USEPA - 6010B
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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-DPW20-S12

Lab Name: Empirical Labs Contract: TetraTech NUS

Lab Code: ELABN Case No.: SAS No.: SDG: 0609069

Matrix: SOIL Lab Sample ID: 0609069-14

Level (low/med): LOW Date Sampled: 09/12/06

% Solids: 93.0 Date Received: 09/13/06

Concentration Units (ug/L or mg/kg dry weight): mg/Kg

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
7440-22-4	Silver	0.055	0.55		U		P
7429-90-5	Aluminum	4.1	11.0	17600		J3	P
7440-38-2	Arsenic	0.17	0.55	2.9			P
7440-39-3	Barium	0.28	11.0	9.7	I		P
7440-41-7	Beryllium	0.22	0.55		U		P
7440-70-2	Calcium	55.1	276	77.3	I		P
7440-43-9	Cadmium	0.055	0.28		U		P
7440-48-4	Cobalt	0.28	2.8	0.41	I		P
7440-47-3	Chromium	0.11	0.55	12.6		J3	P
7440-50-8	Copper	0.28	1.4	6.1			P
7439-89-6	Iron	1.7	5.5	9500		J3	P
7440-09-7	Potassium	55.1	276	157	I	J3	P
7439-95-4	Magnesium	55.1	276	181	I		P
7439-96-5	Manganese	0.17	0.83	24.8			P

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

USEPA - 6010B
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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-DPW20-S12

Lab Name: Empirical Labs Contract: TetraTech NUS

Lab Code: ELABN Case No.: SAS No.: SDG: 0609069

Matrix: SOIL Lab Sample ID: 0609069-14

Level (low/med): LOW Date Sampled: 09/12/06

% Solids: 93.0 Date Received: 09/13/06

Concentration Units (ug/L or mg/kg dry weight): mg/Kg

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
7440-23-5	Sodium	55.1	276		U		P
7440-02-0	Nickel	0.28	2.2	2.8			P
7439-92-1	Lead	0.083	0.17	4.5			P
7440-36-0	Antimony	0.28	3.3		U	J3	P
7782-49-2	Selenium	0.28	0.55		U		P
7440-28-0	Thallium	0.17	0.55		U		P
7440-62-2	Vanadium	0.28	2.8	23.4			P
7440-66-6	Zinc	0.55	1.1	7.4			P

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

USEPA - 7471A
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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-DPW20-S12

Lab Name: Empirical Labs Contract: TetraTech NUS

Lab Code: ELABN Case No.: SAS No.: SDG: 0609069

Matrix: SOIL Lab Sample ID: 0609069-14

Level (low/med): LOW Date Sampled: 09/12/06

% Solids: 93.0 Date Received: 09/13/06

Concentration Units (ug/L or mg/kg dry weight): mg/Kg

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
7439-97-6	Mercury	0.014	0.036		U		AV

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

USEPA - 9012A

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-DPW20-S12

Lab Name: Empirical Labs Contract: TetraTech NUS

Lab Code: ELABN Case No.: SAS No.: SDG: 0609069

Matrix: SOIL Lab Sample ID: 0609069-14

Level (low/med): LOW Date Sampled: 09/12/06

% Solids: 93.0 Date Received: 09/13/06

Concentration Units (ug/L or mg/kg dry weight): mg/Kg

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
57-12-5	Cyanide	0.13	0.27		U		AS

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

USEPA - 6010B
- 1 -
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-DPW21-S12

Lab Name: Empirical Labs Contract: TetraTech NUS

Lab Code: ELABN Case No.: SAS No.: SDG: 0609069

Matrix: SOIL Lab Sample ID: 0609069-15

Level (low/med): LOW Date Sampled: 09/12/06

% Solids: 85.0 Date Received: 09/13/06

Concentration Units (ug/L or mg/kg dry weight): mg/Kg

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
7440-22-4	Silver	0.058	0.58		U		P
7429-90-5	Aluminum	4.4	11.6	20500		J3	P
7440-38-2	Arsenic	0.17	0.58	3.1			P
7440-39-3	Barium	0.29	11.6	9.5	I		P
7440-41-7	Beryllium	0.23	0.58		U		P
7440-70-2	Calcium	58.2	291	179	I		P
7440-43-9	Cadmium	0.058	0.29		U		P
7440-48-4	Cobalt	0.29	2.9	0.33	I		P
7440-47-3	Chromium	0.12	0.58	14.4		J3	P
7440-50-8	Copper	0.29	1.5	6.5			P
7439-89-6	Iron	1.7	5.8	11000		J3	P
7440-09-7	Potassium	58.2	291	171	I	J3	P
7439-95-4	Magnesium	58.2	291	203	I		P
7439-96-5	Manganese	0.17	0.87	22.8			P

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

USEPA - 6010B
- 1 -
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-DPW21-S12

Lab Name: Empirical Labs Contract: TetraTech NUS

Lab Code: ELABN Case No.: SAS No.: SDG: 0609069

Matrix: SOIL Lab Sample ID: 0609069-15

Level (low/med): LOW Date Sampled: 09/12/06

% Solids: 85.0 Date Received: 09/13/06

Concentration Units (ug/L or mg/kg dry weight): mg/Kg

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
7440-23-5	Sodium	58.2	291		U		P
7440-02-0	Nickel	0.29	2.3	3.1			P
7439-92-1	Lead	0.087	0.18	4.8			P
7440-36-0	Antimony	0.29	3.5		U	J3	P
7782-49-2	Selenium	0.29	0.58		U		P
7440-28-0	Thallium	0.23	0.58		U		P
7440-62-2	Vanadium	0.29	2.9	27.0			P
7440-66-6	Zinc	0.58	1.2	8.9			P

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: Thallium MDL increased due to negative bias (-3.49 ug/L). SMC 10/6/06

USEPA - 7471A
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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-DPW21-S12

Lab Name: Empirical Labs Contract: TetraTech NUS

Lab Code: ELABN Case No.: SAS No.: SDG: 0609069

Matrix: SOIL Lab Sample ID: 0609069-15

Level (low/med): LOW Date Sampled: 09/12/06

% Solids: 85.0 Date Received: 09/13/06

Concentration Units (ug/L or mg/kg dry weight): mg/Kg

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
7439-97-6	Mercury	0.016	0.039		U		AV

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

USEPA - 9012A
- 1 -
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-DPW21-S12

Lab Name: Empirical Labs Contract: TetraTech NUS

Lab Code: ELABN Case No.: SAS No.: SDG: 0609069

Matrix: SOIL Lab Sample ID: 0609069-15

Level (low/med): LOW Date Sampled: 09/12/06

% Solids: 85.0 Date Received: 09/13/06

Concentration Units (ug/L or mg/kg dry weight): mg/Kg

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
57-12-5	Cyanide	0.15	0.29		U		AS

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

USEPA - 6010B
- 1 -
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-DPW23-S26

Lab Name: Empirical Labs Contract: TetraTech NUS

Lab Code: ELABN Case No.: SAS No.: SDG: 0609069

Matrix: SOIL Lab Sample ID: 0609069-16

Level (low/med): LOW Date Sampled: 09/12/06

% Solids: 93.0 Date Received: 09/13/06

Concentration Units (ug/L or mg/kg dry weight): mg/Kg

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
7440-22-4	Silver	0.056	0.56		U		P
7429-90-5	Aluminum	4.2	11.2	3770		J3	P
7440-38-2	Arsenic	0.17	0.56	0.70			P
7440-39-3	Barium	0.28	11.2	1.2	I		P
7440-41-7	Beryllium	0.22	0.56		U		P
7440-70-2	Calcium	56.0	280		U		P
7440-43-9	Cadmium	0.056	0.28		U		P
7440-48-4	Cobalt	0.28	2.8		U		P
7440-47-3	Chromium	0.11	0.56	3.6		J3	P
7440-50-8	Copper	0.28	1.4	1.2	I		P
7439-89-6	Iron	1.7	5.6	1850		J3	P
7440-09-7	Potassium	56.0	280		U	J3	P
7439-95-4	Magnesium	56.0	280		U		P
7439-96-5	Manganese	0.17	0.84	3.1			P

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

USEPA - 6010B
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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-DPW23-S26

Lab Name: Empirical Labs Contract: TetraTech NUS

Lab Code: ELABN Case No.: SAS No.: SDG: 0609069

Matrix: SOIL Lab Sample ID: 0609069-16

Level (low/med): LOW Date Sampled: 09/12/06

% Solids: 93.0 Date Received: 09/13/06

Concentration Units (ug/L or mg/kg dry weight): mg/Kg

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
7440-23-5	Sodium	56.0	280		U		P
7440-02-0	Nickel	0.28	2.2	0.48	I		P
7439-92-1	Lead	0.084	0.17	0.998			P
7440-36-0	Antimony	0.28	3.4		U	J3	P
7782-49-2	Selenium	0.28	0.56		U		P
7440-28-0	Thallium	0.34	0.56		U		P
7440-62-2	Vanadium	0.28	2.8	4.7			P
7440-66-6	Zinc	0.56	1.1	1.4			P

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: Thallium MDL increased due to negative bias (-5.47 ug/L). SDMS 10/16/06

USEPA - 7471A
- 1 -
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-DPW23-S26

Lab Name: Empirical Labs Contract: TetraTech NUS

Lab Code: ELABN Case No.: SAS No.: SDG: 0609069

Matrix: SOIL Lab Sample ID: 0609069-16

Level (low/med): LOW Date Sampled: 09/12/06

% Solids: 93.0 Date Received: 09/13/06

Concentration Units (ug/L or mg/kg dry weight): mg/Kg

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
7439-97-6	Mercury	0.013	0.032		U		AV

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

USEPA - 9012A
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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-DPW23-S26

Lab Name: Empirical Labs Contract: TetraTech NUS

Lab Code: ELABN Case No.: SAS No.: SDG: 0609069

Matrix: SOIL Lab Sample ID: 0609069-16

Level (low/med): LOW Date Sampled: 09/12/06

% Solids: 93.0 Date Received: 09/13/06

Concentration Units (ug/L or mg/kg dry weight): mg/Kg

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
57-12-5	Cyanide	0.13	0.27		U		AS

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

USEPA - 6010B
- 1 -
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-DPW24-S26

Lab Name: Empirical Labs Contract: TetraTech NUS

Lab Code: ELABN Case No.: SAS No.: SDG: 0609069

Matrix: SOIL Lab Sample ID: 0609069-17

Level (low/med): LOW Date Sampled: 09/12/06

% Solids: 94.0 Date Received: 09/13/06

Concentration Units (ug/L or mg/kg dry weight): mg/Kg

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
7440-22-4	Silver	0.051	0.51		U		P
7429-90-5	Aluminum	3.8	10.2	7210		J3	P
7440-38-2	Arsenic	0.15	0.51	1.3			P
7440-39-3	Barium	0.26	10.2	2.2	I		P
7440-41-7	Beryllium	0.21	0.51		U		P
7440-70-2	Calcium	51.1	256		U		P
7440-43-9	Cadmium	0.051	0.26		U		P
7440-48-4	Cobalt	0.26	2.6		U		P
7440-47-3	Chromium	0.10	0.51	6.1		J3	P
7440-50-8	Copper	0.26	1.3	2.3			P
7439-89-6	Iron	1.5	5.1	3600		J3	P
7440-09-7	Potassium	51.1	256		U	J3	P
7439-95-4	Magnesium	51.1	256		U		P
7439-96-5	Manganese	0.15	0.77	4.9			P

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

USEPA - 6010B
- 1 -
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-DPW24-S26

Lab Name: Empirical Labs Contract: TetraTech NUS

Lab Code: ELABN Case No.: SAS No.: SDG: 0609069

Matrix: SOIL Lab Sample ID: 0609069-17

Level (low/med): LOW Date Sampled: 09/12/06

% Solids: 94.0 Date Received: 09/13/06

Concentration Units (ug/L or mg/kg dry weight): mg/Kg

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
7440-23-5	Sodium	51.1	256		U		P
7440-02-0	Nickel	0.26	2.0	1.0	I		P
7439-92-1	Lead	0.077	0.15	1.7			P
7440-36-0	Antimony	0.26	3.1		U	J3	P
7782-49-2	Selenium	0.26	0.51		U		P
7440-28-0	Thallium	0.21	0.51		U		P
7440-62-2	Vanadium	0.26	2.6	9.0			P
7440-66-6	Zinc	0.51	1.0	2.6			P

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: Thallium MDL increased due to negative bias (-3.99 ug/L). EMG 10/6/06

USEPA - 7471A
- 1 -
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-DPW24-S26

Lab Name: Empirical Labs Contract: TetraTech NUS

Lab Code: ELABN Case No.: SAS No.: SDG: 0609069

Matrix: SOIL Lab Sample ID: 0609069-17

Level (low/med): LOW Date Sampled: 09/12/06

% Solids: 94.0 Date Received: 09/13/06

Concentration Units (ug/L or mg/kg dry weight): mg/Kg

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
7439-97-6	Mercury	0.013	0.031		U		AV

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

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USEPA - 9012A
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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-DPW24-S26

Lab Name: Empirical Labs Contract: TetraTech NUS

Lab Code: ELABN Case No.: SAS No.: SDG: 0609069

Matrix: SOIL Lab Sample ID: 0609069-17

Level (low/med): LOW Date Sampled: 09/12/06

% Solids: 94.0 Date Received: 09/13/06

Concentration Units (ug/L or mg/kg dry weight): mg/Kg

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
57-12-5	Cyanide	0.13	0.27		U		AS

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

USEPA - 6010B
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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-DPW2-S10

Lab Name: Empirical Labs Contract: TetraTech NUS

Lab Code: ELABN Case No.: SAS No.: SDG: 0609069

Matrix: SOIL Lab Sample ID: 0609069-19

Level (low/med): LOW Date Sampled: 09/12/06

% Solids: 90.0 Date Received: 09/13/06

Concentration Units (ug/L or mg/kg dry weight): mg/Kg

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
7440-22-4	Silver	0.054	0.54		U		P
7429-90-5	Aluminum	4.1	10.8	18800			P
7440-38-2	Arsenic	0.16	0.54	2.9			P
7440-39-3	Barium	0.27	10.8	7.8	I		P
7440-41-7	Beryllium	0.22	0.54		U		P
7440-70-2	Calcium	54.2	271	611			P
7440-43-9	Cadmium	0.054	0.27		U		P
7440-48-4	Cobalt	0.27	2.7	0.28	I		P
7440-47-3	Chromium	0.11	0.54	13.0			P
7440-50-8	Copper	0.27	1.4	5.5			P
7439-89-6	Iron	1.6	5.4	10300			P
7440-09-7	Potassium	54.2	271	123	I		P
7439-95-4	Magnesium	54.2	271	157	I		P
7439-96-5	Manganese	0.16	0.81	22.6			P

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

USEPA - 6010B
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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-DPW2-S10

Lab Name: Empirical Labs Contract: TetraTech NUS

Lab Code: ELABN Case No.: SAS No.: SDG: 0609069

Matrix: SOIL Lab Sample ID: 0609069-19

Level (low/med): LOW Date Sampled: 09/12/06

% Solids: 90.0 Date Received: 09/13/06

Concentration Units (ug/L or mg/kg dry weight): mg/Kg

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
7440-23-5	Sodium	54.2	271		U		P
7440-02-0	Nickel	0.27	2.2	2.3			P
7439-92-1	Lead	0.081	0.16	3.5			P
7440-36-0	Antimony	0.27	3.3		U	J3	P
7782-49-2	Selenium	0.27	0.54		U		P
7440-28-0	Thallium	0.22	0.54		U		P
7440-62-2	Vanadium	0.27	2.7	24.9			P
7440-66-6	Zinc	0.54	1.1	6.7			P

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: Thallium MDL increased due to negative bias (-3.25 mg/L). SMG 10/6/06

USEPA - 7471A
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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-DPW2-S10

Lab Name: Empirical Labs Contract: TetraTech NUS

Lab Code: ELABN Case No.: SAS No.: SDG: 0609069

Matrix: SOIL Lab Sample ID: 0609069-19

Level (low/med): LOW Date Sampled: 09/12/06

% Solids: 90.0 Date Received: 09/13/06

Concentration Units (ug/L or mg/kg dry weight): mg/Kg

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
7439-97-6	Mercury	0.015	0.037		U		AV

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

USEPA - 9012A
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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-DPW2-S10

Lab Name: Empirical Labs Contract: TetraTech NUS

Lab Code: ELABN Case No.: SAS No.: SDG: 0609069

Matrix: SOIL Lab Sample ID: 0609069-19

Level (low/med): LOW Date Sampled: 09/12/06

% Solids: 90.0 Date Received: 09/13/06

Concentration Units (ug/L or mg/kg dry weight): mg/Kg

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
57-12-5	Cyanide	0.14	0.28		U		AS

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

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USEPA - 6010B
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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-DPW3-S10

Lab Name: Empirical Labs Contract: TetraTech NUS

Lab Code: ELABN Case No.: SAS No.: SDG: 0609069

Matrix: SOIL Lab Sample ID: 0609069-20

Level (low/med): LOW Date Sampled: 09/12/06

% Solids: 93.0 Date Received: 09/13/06

Concentration Units (ug/L or mg/kg dry weight): mg/Kg

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
7440-22-4	Silver	0.054	0.54		U		P
7429-90-5	Aluminum	4.1	10.8	9160			P
7440-38-2	Arsenic	0.16	0.54	1.4			P
7440-39-3	Barium	0.27	10.8	4.6	I		P
7440-41-7	Beryllium	0.22	0.54		U		P
7440-70-2	Calcium	54.0	270	226	I		P
7440-43-9	Cadmium	0.054	0.27		U		P
7440-48-4	Cobalt	0.27	2.7	0.29	I		P
7440-47-3	Chromium	0.11	0.54	7.6			P
7440-50-8	Copper	0.27	1.4	2.9			P
7439-89-6	Iron	1.6	5.4	5270			P
7440-09-7	Potassium	54.0	270	72.0	I		P
7439-95-4	Magnesium	54.0	270	92.5	I		P
7439-96-5	Manganese	0.16	0.81	16.7			P

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

USEPA - 6010B
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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-DPW3-S10

Lab Name: Empirical Labs Contract: TetraTech NUS

Lab Code: ELABN Case No.: SAS No.: SDG: 0609069

Matrix: SOIL Lab Sample ID: 0609069-20

Level (low/med): LOW Date Sampled: 09/12/06

% Solids: 93.0 Date Received: 09/13/06

Concentration Units (ug/L or mg/kg dry weight): mg/Kg

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
7440-23-5	Sodium	54.0	270		U		P
7440-02-0	Nickel	0.27	2.2	1.4	I		P
7439-92-1	Lead	0.081	0.16	2.0			P
7440-36-0	Antimony	0.27	3.2		U	J3	P
7782-49-2	Selenium	0.27	0.54		U		P
7440-28-0	Thallium	0.16	0.54		U		P
7440-62-2	Vanadium	0.27	2.7	12.4			P
7440-66-6	Zinc	0.54	1.1	4.4			P

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-DPW3-S10

Lab Name: Empirical Labs Contract: TetraTech NUS

Lab Code: ELABN Case No.: SAS No.: SDG: 0609069

Matrix: SOIL Lab Sample ID: 0609069-20

Level (low/med): LOW Date Sampled: 09/12/06

% Solids: 93.0 Date Received: 09/13/06

Concentration Units (ug/L or mg/kg dry weight): mg/Kg

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
7439-97-6	Mercury	0.014	0.036		U		AV

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-DPW3-S10

Lab Name: Empirical Labs Contract: TetraTech NUS

Lab Code: ELABN Case No.: SAS No.: SDG: 0609069

Matrix: SOIL Lab Sample ID: 0609069-20

Level (low/med): LOW Date Sampled: 09/12/06

% Solids: 93.0 Date Received: 09/13/06

Concentration Units (ug/L or mg/kg dry weight): mg/Kg

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
57-12-5	Cyanide	0.13	0.27		U		AS

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

USEPA - 6010B
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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-DPW4-S10

Lab Name: Empirical Labs Contract: TetraTech NUS

Lab Code: ELABN Case No.: SAS No.: SDG: 0609069

Matrix: SOIL Lab Sample ID: 0609069-21

Level (low/med): LOW Date Sampled: 09/12/06

% Solids: 95.0 Date Received: 09/13/06

Concentration Units (ug/L or mg/kg dry weight): mg/Kg

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
7440-22-4	Silver	0.052	0.52		U		P
7429-90-5	Aluminum	3.9	10.4	11800			P
7440-38-2	Arsenic	0.16	0.52	1.9			P
7440-39-3	Barium	0.26	10.4	6.5	I		P
7440-41-7	Beryllium	0.21	0.52		U		P
7440-70-2	Calcium	51.9	259	190	I		P
7440-43-9	Cadmium	0.052	0.26		U		P
7440-48-4	Cobalt	0.26	2.6	0.35	I		P
7440-47-3	Chromium	0.10	0.52	8.3			P
7440-50-8	Copper	0.26	1.3	3.6			P
7439-89-6	Iron	1.6	5.2	6700			P
7440-09-7	Potassium	51.9	259	101	I		P
7439-95-4	Magnesium	51.9	259	123	I		P
7439-96-5	Manganese	0.16	0.78	18.0			P

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

USEPA - 6010B
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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-DPW4-S10

Lab Name: Empirical Labs Contract: TetraTech NUS

Lab Code: ELABN Case No.: SAS No.: SDG: 0609069

Matrix: SOIL Lab Sample ID: 0609069-21

Level (low/med): LOW Date Sampled: 09/12/06

% Solids: 95.0 Date Received: 09/13/06

Concentration Units (ug/L or mg/kg dry weight): mg/Kg

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
7440-23-5	Sodium	51.9	259		U		P
7440-02-0	Nickel	0.26	2.1	1.8	I		P
7439-92-1	Lead	0.078	0.16	2.6			P
7440-36-0	Antimony	0.26	3.1		U	J3	P
7782-49-2	Selenium	0.26	0.52		U		P
7440-28-0	Thallium	0.16	0.52		U		P
7440-62-2	Vanadium	0.26	2.6	15.8			P
7440-66-6	Zinc	0.52	1.0	5.1			P

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

USEPA - 7471A
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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-DPW4-S10

Lab Name: Empirical Labs Contract: TetraTech NUS

Lab Code: ELABN Case No.: SAS No.: SDG: 0609069

Matrix: SOIL Lab Sample ID: 0609069-21

Level (low/med): LOW Date Sampled: 09/12/06

% Solids: 95.0 Date Received: 09/13/06

Concentration Units (ug/L or mg/kg dry weight): mg/Kg

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
7439-97-6	Mercury	0.013	0.032		U		AV

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-DPW4-S10

Lab Name: Empirical Labs Contract: TetraTech NUS

Lab Code: ELABN Case No.: SAS No.: SDG: 0609069

Matrix: SOIL Lab Sample ID: 0609069-21

Level (low/med): LOW Date Sampled: 09/12/06

% Solids: 95.0 Date Received: 09/13/06

Concentration Units (ug/L or mg/kg dry weight): mg/Kg

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
57-12-5	Cyanide	0.13	0.26		U		AS

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

USEPA - 6010B
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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-DPW5-S10

Lab Name: Empirical Labs Contract: TetraTech NUS

Lab Code: ELABN Case No.: SAS No.: SDG: 0609069

Matrix: SOIL Lab Sample ID: 0609069-22

Level (low/med): LOW Date Sampled: 09/12/06

% Solids: 81.0 Date Received: 09/13/06

Concentration Units (ug/L or mg/kg dry weight): mg/Kg

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
7440-22-4	Silver	0.061	0.61		U		P
7429-90-5	Aluminum	4.6	12.2	12700			P
7440-38-2	Arsenic	0.18	0.61	2.0			P
7440-39-3	Barium	0.31	12.2	4.9	I		P
7440-41-7	Beryllium	0.24	0.61		U		P
7440-70-2	Calcium	61.1	306	291	I		P
7440-43-9	Cadmium	0.061	0.31		U		P
7440-48-4	Cobalt	0.31	3.1		U		P
7440-47-3	Chromium	0.12	0.61	8.9			P
7440-50-8	Copper	0.31	1.5	3.8			P
7439-89-6	Iron	1.8	6.1	7070			P
7440-09-7	Potassium	61.1	306	76.9	I		P
7439-95-4	Magnesium	61.1	306	108	I		P
7439-96-5	Manganese	0.18	0.92	19.4			P

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

USEPA - 6010B
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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-DPW5-S10

Lab Name: Empirical Labs Contract: TetraTech NUS

Lab Code: ELABN Case No.: SAS No.: SDG: 0609069

Matrix: SOIL Lab Sample ID: 0609069-22

Level (low/med): LOW Date Sampled: 09/12/06

% Solids: 81.0 Date Received: 09/13/06

Concentration Units (ug/L or mg/kg dry weight): mg/Kg

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
7440-23-5	Sodium	61.1	306		U		P
7440-02-0	Nickel	0.31	2.4	1.5	I		P
7439-92-1	Lead	0.092	0.18	2.5			P
7440-36-0	Antimony	0.31	3.7		U	J3	P
7782-49-2	Selenium	0.31	0.61		U		P
7440-28-0	Thallium	0.24	0.61		U		P
7440-62-2	Vanadium	0.31	3.1	16.7			P
7440-66-6	Zinc	0.61	1.2	4.9			P

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: Thallium MDL increased due to negative bias (-3.48ug/L). SMC 10/6/06

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-DPW5-S10

Lab Name: Empirical Labs Contract: TetraTech NUS

Lab Code: ELABN Case No.: SAS No.: SDG: 0609069

Matrix: SOIL Lab Sample ID: 0609069-22

Level (low/med): LOW Date Sampled: 09/12/06

% Solids: 81.0 Date Received: 09/13/06

Concentration Units (ug/L or mg/kg dry weight): mg/Kg

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
7439-97-6	Mercury	0.016	0.040		U		AV

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

USEPA - 9012A
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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-DPW5-S10

Lab Name: Empirical Labs Contract: TetraTech NUS

Lab Code: ELABN Case No.: SAS No.: SDG: 0609069

Matrix: SOIL Lab Sample ID: 0609069-22

Level (low/med): LOW Date Sampled: 09/12/06

% Solids: 81.0 Date Received: 09/13/06

Concentration Units (ug/L or mg/kg dry weight): mg/Kg

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
57-12-5	Cyanide	0.15	0.31		U		AS

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

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USEPA - 6010B
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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-DPW6-S10

Lab Name: Empirical Labs Contract: TetraTech NUS

Lab Code: ELABN Case No.: SAS No.: SDG: 0609069

Matrix: SOIL Lab Sample ID: 0609069-23

Level (low/med): LOW Date Sampled: 09/12/06

% Solids: 95.0 Date Received: 09/13/06

Concentration Units (ug/L or mg/kg dry weight): mg/Kg

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
7440-22-4	Silver	0.052	0.52		U		P
7429-90-5	Aluminum	3.9	10.5	5740			P
7440-38-2	Arsenic	0.16	0.52	0.90			P
7440-39-3	Barium	0.26	10.5	4.9	I		P
7440-41-7	Beryllium	0.21	0.52		U		P
7440-70-2	Calcium	52.4	262	126	I		P
7440-43-9	Cadmium	0.052	0.26		U		P
7440-48-4	Cobalt	0.26	2.6	0.30	I		P
7440-47-3	Chromium	0.10	0.52	4.3			P
7440-50-8	Copper	0.26	1.3	2.2			P
7439-89-6	Iron	1.6	5.2	3450			P
7440-09-7	Potassium	52.4	262	81.5	I		P
7439-95-4	Magnesium	52.4	262	97.0	I		P
7439-96-5	Manganese	0.16	0.79	16.3			P

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

USEPA - 6010B
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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-DPW6-S10

Lab Name: Empirical Labs Contract: TetraTech NUS

Lab Code: ELABN Case No.: SAS No.: SDG: 0609069

Matrix: SOIL Lab Sample ID: 0609069-23

Level (low/med): LOW Date Sampled: 09/12/06

% Solids: 95.0 Date Received: 09/13/06

Concentration Units (ug/L or mg/kg dry weight): mg/Kg

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
7440-23-5	Sodium	52.4	262		U		P
7440-02-0	Nickel	0.26	2.1	1.3	I		P
7439-92-1	Lead	0.079	0.16	1.6			P
7440-36-0	Antimony	0.26	3.1		U	J3	P
7782-49-2	Selenium	0.26	0.52		U		P
7440-28-0	Thallium	0.16	0.52		U		P
7440-62-2	Vanadium	0.26	2.6	8.0			P
7440-66-6	Zinc	0.52	1.0	3.8			P

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

USEPA - 7471A
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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-DPW6-S10

Lab Name: Empirical Labs Contract: TetraTech NUS

Lab Code: ELABN Case No.: SAS No.: SDG: 0609069

Matrix: SOIL Lab Sample ID: 0609069-23

Level (low/med): LOW Date Sampled: 09/12/06

% Solids: 95.0 Date Received: 09/13/06

Concentration Units (ug/L or mg/kg dry weight): mg/Kg

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
7439-97-6	Mercury	0.014	0.035		U		AV

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

USEPA - 9012A
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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-DPW6-S10

Lab Name: Empirical Labs Contract: TetraTech NUS

Lab Code: ELABN Case No.: SAS No.: SDG: 0609069

Matrix: SOIL Lab Sample ID: 0609069-23

Level (low/med): LOW Date Sampled: 09/12/06

% Solids: 95.0 Date Received: 09/13/06

Concentration Units (ug/L or mg/kg dry weight): mg/Kg

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
57-12-5	Cyanide	0.13	0.26		U		AS

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

USEPA - 6010B
- 1 -
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-DPW8-S10

Lab Name: Empirical Labs Contract: TetraTech NUS

Lab Code: ELABN Case No.: SAS No.: SDG: 0609069

Matrix: SOIL Lab Sample ID: 0609069-24

Level (low/med): LOW Date Sampled: 09/12/06

% Solids: 92.0 Date Received: 09/13/06

Concentration Units (ug/L or mg/kg dry weight): mg/Kg

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
7440-22-4	Silver	0.053	0.53		U		P
7429-90-5	Aluminum	4.0	10.6	16300			P
7440-38-2	Arsenic	0.16	0.53	2.5			P
7440-39-3	Barium	0.26	10.6	7.4	I		P
7440-41-7	Beryllium	0.21	0.53		U		P
7440-70-2	Calcium	52.8	264	136	I		P
7440-43-9	Cadmium	0.053	0.26		U		P
7440-48-4	Cobalt	0.26	2.6	0.32	I		P
7440-47-3	Chromium	0.11	0.53	11.5			P
7440-50-8	Copper	0.26	1.3	5.0			P
7439-89-6	Iron	1.6	5.3	9120			P
7440-09-7	Potassium	52.8	264	109	I		P
7439-95-4	Magnesium	52.8	264	141	I		P
7439-96-5	Manganese	0.16	0.79	18.9			P

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

USEPA - 6010B
- 1 -
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-DPW8-S10

Lab Name: Empirical Labs Contract: TetraTech NUS

Lab Code: ELABN Case No.: SAS No.: SDG: 0609069

Matrix: SOIL Lab Sample ID: 0609069-24

Level (low/med): LOW Date Sampled: 09/12/06

% Solids: 92.0 Date Received: 09/13/06

Concentration Units (ug/L or mg/kg dry weight): mg/Kg

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
7440-23-5	Sodium	52.8	264		U		P
7440-02-0	Nickel	0.26	2.1	2.1	I		P
7439-92-1	Lead	0.079	0.16	3.2			P
7440-36-0	Antimony	0.26	3.2		U	J3	P
7782-49-2	Selenium	0.26	0.53		U		P
7440-28-0	Thallium	0.16	0.53		U		P
7440-62-2	Vanadium	0.26	2.6	21.7			P
7440-66-6	Zinc	0.53	1.1	6.5			P

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

USEPA - 7471A
- 1 -
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-DPW8-S10

Lab Name: Empirical Labs Contract: TetraTech NUS

Lab Code: ELABN Case No.: SAS No.: SDG: 0609069

Matrix: SOIL Lab Sample ID: 0609069-24

Level (low/med): LOW Date Sampled: 09/12/06

% Solids: 92.0 Date Received: 09/13/06

Concentration Units (ug/L or mg/kg dry weight): mg/Kg

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
7439-97-6	Mercury	0.012	0.031		U		AV

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

_____

_____

USEPA - 9012A
- 1 -
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-DPW8-S10

Lab Name: Empirical Labs Contract: TetraTech NUS

Lab Code: ELABN Case No.: SAS No.: SDG: 0609069

Matrix: SOIL Lab Sample ID: 0609069-24

Level (low/med): LOW Date Sampled: 09/12/06

% Solids: 92.0 Date Received: 09/13/06

Concentration Units (ug/L or mg/kg dry weight): mg/Kg

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
57-12-5	Cyanide	0.14	0.27		U		AS

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

_____

_____

USEPA - 6010B
- 1 -
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-DPW9-S10

Lab Name: Empirical Labs Contract: TetraTech NUS

Lab Code: ELABN Case No.: SAS No.: SDG: 0609069

Matrix: SOIL Lab Sample ID: 0609069-25

Level (low/med): LOW Date Sampled: 09/12/06

% Solids: 92.0 Date Received: 09/13/06

Concentration Units (ug/L or mg/kg dry weight): mg/Kg

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
7440-22-4	Silver	0.053	0.53		U		P
7429-90-5	Aluminum	4.0	10.7	11500			P
7440-38-2	Arsenic	0.16	0.53	1.7			P
7440-39-3	Barium	0.27	10.7	5.9	I		P
7440-41-7	Beryllium	0.21	0.53		U		P
7440-70-2	Calcium	53.3	266	115	I		P
7440-43-9	Cadmium	0.053	0.27		U		P
7440-48-4	Cobalt	0.27	2.7	0.28	I		P
7440-47-3	Chromium	0.11	0.53	8.8			P
7440-50-8	Copper	0.27	1.3	3.9			P
7439-89-6	Iron	1.6	5.3	6590			P
7440-09-7	Potassium	53.3	266	95.1	I		P
7439-95-4	Magnesium	53.3	266	120	I		P
7439-96-5	Manganese	0.16	0.80	15.0			P

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

USEPA - 6010B
- 1 -
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-DPW9-S10

Lab Name: Empirical Labs Contract: TetraTech NUS

Lab Code: ELABN Case No.: SAS No.: SDG: 0609069

Matrix: SOIL Lab Sample ID: 0609069-25

Level (low/med): LOW Date Sampled: 09/12/06

% Solids: 92.0 Date Received: 09/13/06

Concentration Units (ug/L or mg/kg dry weight): mg/Kg

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
7440-23-5	Sodium	53.3	266		U		P
7440-02-0	Nickel	0.27	2.1	1.5	I		P
7439-92-1	Lead	0.080	0.16	2.4			P
7440-36-0	Antimony	0.27	3.2		U	J3	P
7782-49-2	Selenium	0.27	0.53		U		P
7440-28-0	Thallium	0.16	0.53		U		P
7440-62-2	Vanadium	0.27	2.7	15.9			P
7440-66-6	Zinc	0.53	1.1	4.9			P

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

USEPA - 7471A
- 1 -
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-DPW9-S10

Lab Name: Empirical Labs Contract: TetraTech NUS

Lab Code: ELABN Case No.: SAS No.: SDG: 0609069

Matrix: SOIL Lab Sample ID: 0609069-25

Level (low/med): LOW Date Sampled: 09/12/06

% Solids: 92.0 Date Received: 09/13/06

Concentration Units (ug/L or mg/kg dry weight): mg/Kg

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
7439-97-6	Mercury	0.014	0.035		U		AV

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

USEPA - 9012A
- 1 -
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-DPW9-S10

Lab Name: Empirical Labs Contract: TetraTech NUS

Lab Code: ELABN Case No.: SAS No.: SDG: 0609069

Matrix: SOIL Lab Sample ID: 0609069-25

Level (low/med): LOW Date Sampled: 09/12/06

% Solids: 92.0 Date Received: 09/13/06

Concentration Units (ug/L or mg/kg dry weight): mg/Kg

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
57-12-5	Cyanide	0.14	0.27		U		AS

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

FORM 1
PESTA ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-DPB1-S10

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.P09069

Matrix: (soil/water) SOIL Lab Sample ID: 0609069-01

Sample wt/vol: 15.6 (g/mL) G Lab File ID: 060F6001

% Moisture: 5 decanted: (Y/N) N Date Sampled: 09/12/06 13:28

Extraction: (SepF/Cont/Sonc/Soxh) SOXH Date Extracted:09/19/06

Concentrated Extract Volume: 5.0(mL) Date Analyzed: 09/23/06 16:05

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: NA Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG MDL	RL	CONC	Q
309-00-2	Aldrin	0.11	0.34		U
319-84-6	Alpha-BHC	0.11	0.34		U
5103-71-9	Alpha-Chlordane	0.11	0.34		U
319-85-7	Beta-BHC	0.11	0.34		U
72-54-8	4,4'-DDD	0.17	0.67		U
72-55-9	4,4'-DDE	0.17	0.67		U
50-29-3	4,4'-DDT	0.17	0.67		U
319-86-8	Delta-BHC	0.11	0.34		U
60-57-1	Dieldrin	0.17	0.67		U
959-98-8	Endosulfan I	0.11	0.34		U
33213-65-9	Endosulfan II	0.17	0.67		U
1031-07-8	Endosulfan Sulfate	0.17	0.67		U
72-20-8	Endrin	0.17	0.67		U
7421-93-4	Endrin Aldehyde	0.17	0.67		U
53494-70-5	Endrin Ketone	0.17	0.67		U
58-89-9	Gamma-BHC	0.11	0.34		U
5103-74-2	Gamma-Chlordane	0.11	0.34		U
76-44-8	Heptachlor	0.11	0.34		U
1024-57-3	Heptachlor Epoxide	0.11	0.34		U
72-43-5	Methoxychlor	0.11	0.34		U
8001-35-2	Toxaphene	11	34		U
12674-11-2	PCB-1016	4.2	17		U
11104-28-2	PCB-1221	4.2	17		U
11141-16-5	PCB-1232	4.2	17		U
53469-21-9	PCB-1242	4.2	17		U
12672-29-6	PCB-1248	4.2	17		U
11097-69-1	PCB-1254	4.2	17		U
11096-82-5	PCB-1260	4.2	17		U

FORM 1
PESTA ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-DPB2-S10

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.P09069

Matrix: (soil/water) SOIL Lab Sample ID: 0609069-02

Sample wt/vol: 15.4 (g/mL) G Lab File ID: 061F6101

% Moisture: 2 decanted: (Y/N) N Date Sampled: 09/12/06 13:58

Extraction: (SepF/Cont/Sonc/Soxh) SOXH Date Extracted:09/19/06

Concentrated Extract Volume: 5.0(mL) Date Analyzed: 09/23/06 16:33

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: NA Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	MDL	RL	CONC	Q
309-00-2	Aldrin	0.11	0.33		U
319-84-6	Alpha-BHC	0.11	0.33		U
5103-71-9	Alpha-Chlordane	0.11	0.33		U
319-85-7	Beta-BHC	0.11	0.33		U
72-54-8	4,4'-DDD	0.16	0.66		U
72-55-9	4,4'-DDE	0.16	0.66		U
50-29-3	4,4'-DDT	0.16	0.66	0.28	IV
319-86-8	Delta-BHC	0.11	0.33		U
60-57-1	Dieldrin	0.16	0.66		U
959-98-8	Endosulfan I	0.11	0.33		U
33213-65-9	Endosulfan II	0.16	0.66		U
1031-07-8	Endosulfan Sulfate	0.16	0.66		U
72-20-8	Endrin	0.16	0.66		U
7421-93-4	Endrin Aldehyde	0.16	0.66		U
53494-70-5	Endrin Ketone	0.16	0.66		U
58-89-9	Gamma-BHC	0.11	0.33		U
5103-74-2	Gamma-Chlordane	0.11	0.33		U
76-44-8	Heptachlor	0.11	0.33		U
1024-57-3	Heptachlor Epoxide	0.11	0.33		U
72-43-5	Methoxychlor	0.11	0.33		U
8001-35-2	Toxaphene	11	33		U
12674-11-2	PCB-1016	4.1	16		U
11104-28-2	PCB-1221	4.1	16		U
11141-16-5	PCB-1232	4.1	16		U
53469-21-9	PCB-1242	4.1	16		U
12672-29-6	PCB-1248	4.1	16		U
11097-69-1	PCB-1254	4.1	16		U
11096-82-5	PCB-1260	4.1	16		U

FORM 1
PESTA ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-DPB3-S10

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.P09069

Matrix: (soil/water) SOIL Lab Sample ID: 0609069-03

Sample wt/vol: 15.8 (g/mL) G Lab File ID: 062F6201

% Moisture: 4 decanted: (Y/N) N Date Sampled: 09/12/06 14:25

Extraction: (SepF/Cont/Sonc/Soxh) SOXH Date Extracted:09/19/06

Concentrated Extract Volume: 5.0(mL) Date Analyzed: 09/23/06 17:01

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: NA Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	MDL	RL	CONC	Q
309-00-2	Aldrin	0.11	0.33		U
319-84-6	Alpha-BHC	0.11	0.33		U
5103-71-9	Alpha-Chlordane	0.11	0.33		U
319-85-7	Beta-BHC	0.11	0.33		U
72-54-8	4,4'-DDD	0.16	0.66		U
72-55-9	4,4'-DDE	0.16	0.66		U
50-29-3	4,4'-DDT	0.16	0.66		U
319-86-8	Delta-BHC	0.11	0.33		U
60-57-1	Dieldrin	0.16	0.66		U
959-98-8	Endosulfan I	0.11	0.33		U
33213-65-9	Endosulfan II	0.16	0.66		U
1031-07-8	Endosulfan Sulfate	0.16	0.66		U
72-20-8	Endrin	0.16	0.66		U
7421-93-4	Endrin Aldehyde	0.16	0.66		U
53494-70-5	Endrin Ketone	0.16	0.66		U
58-89-9	Gamma-BHC	0.11	0.33		U
5103-74-2	Gamma-Chlordane	0.11	0.33		U
76-44-8	Heptachlor	0.11	0.33		U
1024-57-3	Heptachlor Epoxide	0.11	0.33		U
72-43-5	Methoxychlor	0.11	0.33		U
8001-35-2	Toxaphene	11	33		U
12674-11-2	PCB-1016	4.1	16		U
11104-28-2	PCB-1221	4.1	16		U
11141-16-5	PCB-1232	4.1	16		U
53469-21-9	PCB-1242	4.1	16		U
12672-29-6	PCB-1248	4.1	16		U
11097-69-1	PCB-1254	4.1	16		U
11096-82-5	PCB-1260	4.1	16		U

FORM 1
PESTA ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-DPB4-S10

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.P09069

Matrix: (soil/water) SOIL Lab Sample ID: 0609069-04

Sample wt/vol: 15.5 (g/mL) G Lab File ID: 067F6701

% Moisture: 3 decanted: (Y/N) N Date Sampled: 09/12/06 15:00

Extraction: (SepF/Cont/Sonc/Soxh) SOXH Date Extracted:09/19/06

Concentrated Extract Volume: 5.0(mL) Date Analyzed: 09/23/06 19:19

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: NA Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	MDL	RL	CONC	Q
309-00-2	Aldrin	0.11	0.33		U
319-84-6	Alpha-BHC	0.11	0.33		U
5103-71-9	Alpha-Chlordane	0.11	0.33		U
319-85-7	Beta-BHC	0.11	0.33		U
72-54-8	4,4'-DDD	0.17	0.66		U
72-55-9	4,4'-DDE	0.17	0.66		U
50-29-3	4,4'-DDT	0.17	0.66		U
319-86-8	Delta-BHC	0.11	0.33		U
60-57-1	Dieldrin	0.17	0.66		U
959-98-8	Endosulfan I	0.11	0.33		U
33213-65-9	Endosulfan II	0.17	0.66		U
1031-07-8	Endosulfan Sulfate	0.17	0.66		U
72-20-8	Endrin	0.17	0.66		U
7421-93-4	Endrin Aldehyde	0.17	0.66		U
53494-70-5	Endrin Ketone	0.17	0.66		U
58-89-9	Gamma-BHC	0.11	0.33		U
5103-74-2	Gamma-Chlordane	0.11	0.33		U
76-44-8	Heptachlor	0.11	0.33		U
1024-57-3	Heptachlor Epoxide	0.11	0.33		U
72-43-5	Methoxychlor	0.11	0.33		U
8001-35-2	Toxaphene	11	33		U
12674-11-2	PCB-1016	4.2	17		U
11104-28-2	PCB-1221	4.2	17		U
11141-16-5	PCB-1232	4.2	17		U
53469-21-9	PCB-1242	4.2	17		U
12672-29-6	PCB-1248	4.2	17		U
11097-69-1	PCB-1254	4.2	17		U
11096-82-5	PCB-1260	4.2	17		U

FORM 1
PESTA ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-DP
B4-S10-D

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.P09069

Matrix: (soil/water) SOIL Lab Sample ID: 0609069-05

Sample wt/vol: 15.4 (g/mL) G Lab File ID: 068F6801

% Moisture: 3 decanted: (Y/N) N Date Sampled: 09/12/06 15:00

Extraction: (SepF/Cont/Sonc/Soxh) SOXH Date Extracted:09/19/06

Concentrated Extract Volume: 5.0(mL) Date Analyzed: 09/23/06 19:47

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: NA Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	MDL	RL	CONC	Q
309-00-2	Aldrin	0.11	0.33		U
319-84-6	Alpha-BHC	0.11	0.33		U
5103-71-9	Alpha-Chlordane	0.11	0.33		U
319-85-7	Beta-BHC	0.11	0.33		U
72-54-8	4,4'-DDD	0.17	0.67		U
72-55-9	4,4'-DDE	0.17	0.67		U
50-29-3	4,4'-DDT	0.17	0.67		U
319-86-8	Delta-BHC	0.11	0.33		U
60-57-1	Dieldrin	0.17	0.67		U
959-98-8	Endosulfan I	0.11	0.33		U
33213-65-9	Endosulfan II	0.17	0.67		U
1031-07-8	Endosulfan Sulfate	0.17	0.67		U
72-20-8	Endrin	0.17	0.67		U
7421-93-4	Endrin Aldehyde	0.17	0.67		U
53494-70-5	Endrin Ketone	0.17	0.67		U
58-89-9	Gamma-BHC	0.11	0.33		U
5103-74-2	Gamma-Chlordane	0.11	0.33		U
76-44-8	Heptachlor	0.11	0.33		U
1024-57-3	Heptachlor Epoxide	0.11	0.33		U
72-43-5	Methoxychlor	0.11	0.33		U
8001-35-2	Toxaphene	11	33		U
12674-11-2	PCB-1016	4.2	17		U
11104-28-2	PCB-1221	4.2	17		U
11141-16-5	PCB-1232	4.2	17		U
53469-21-9	PCB-1242	4.2	17		U
12672-29-6	PCB-1248	4.2	17		U
11097-69-1	PCB-1254	4.2	17		U
11096-82-5	PCB-1260	4.2	17		U

FORM 1
PESTA ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-DPB5-S10

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.P09069

Matrix: (soil/water) SOIL Lab Sample ID: 0609069-06

Sample wt/vol: 15.3 (g/mL) G Lab File ID: 069F6901

% Moisture: 3 decanted: (Y/N) N Date Sampled: 09/12/06 15:40

Extraction: (SepF/Cont/Sonc/Soxh) SOXH Date Extracted:09/19/06

Concentrated Extract Volume: 5.0(mL) Date Analyzed: 09/23/06 20:15

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: NA Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG MDL	RL	CONC	Q
309-00-2	Aldrin	0.11	0.34		U
319-84-6	Alpha-BHC	0.11	0.34		U
5103-71-9	Alpha-Chlordane	0.11	0.34		U
319-85-7	Beta-BHC	0.11	0.34		U
72-54-8	4,4'-DDD	0.17	0.67	2.5	V
72-55-9	4,4'-DDE	0.17	0.67	0.94	V
50-29-3	4,4'-DDT	0.17	0.67	15	V
319-86-8	Delta-BHC	0.11	0.34		U
60-57-1	Dieldrin	0.17	0.67		U
959-98-8	Endosulfan I	0.11	0.34		U
33213-65-9	Endosulfan II	0.17	0.67		U
1031-07-8	Endosulfan Sulfate	0.17	0.67		U
72-20-8	Endrin	0.17	0.67		U
7421-93-4	Endrin Aldehyde	0.17	0.67		U
53494-70-5	Endrin Ketone	0.17	0.67		U
58-89-9	Gamma-BHC	0.11	0.34		U
5103-74-2	Gamma-Chlordane	0.11	0.34		U
76-44-8	Heptachlor	0.11	0.34		U
1024-57-3	Heptachlor Epoxide	0.11	0.34		U
72-43-5	Methoxychlor	0.11	0.34		U
8001-35-2	Toxaphene	11	34		U
12674-11-2	PCB-1016	4.2	17		U
11104-28-2	PCB-1221	4.2	17		U
11141-16-5	PCB-1232	4.2	17		U
53469-21-9	PCB-1242	4.2	17		U
12672-29-6	PCB-1248	4.2	17		U
11097-69-1	PCB-1254	4.2	17		U
11096-82-5	PCB-1260	4.2	17		U

FORM 1
PESTA ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-DPB6-S10

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.P09069

Matrix: (soil/water) SOIL Lab Sample ID: 0609069-07

Sample wt/vol: 15.6 (g/mL) G Lab File ID: 126FAQ01

% Moisture: 3 decanted: (Y/N) N Date Sampled: 09/12/06 16:00

Extraction: (SepF/Cont/Sonc/Soxh) SOXH Date Extracted:09/20/06

Concentrated Extract Volume: 5.0(mL) Date Analyzed: 10/04/06 22:03

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: NA Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	MDL	RL	CONC	Q
309-00-2	Aldrin	0.11	0.33		U
319-84-6	Alpha-BHC	0.11	0.33		U
5103-71-9	Alpha-Chlordane	0.11	0.33		U
319-85-7	Beta-BHC	0.11	0.33		U
72-54-8	4,4'-DDD	0.16	0.66		U
72-55-9	4,4'-DDE	0.16	0.66		U
50-29-3	4,4'-DDT	0.16	0.66	1.0	V
319-86-8	Delta-BHC	0.11	0.33		U
60-57-1	Dieldrin	0.16	0.66		U
959-98-8	Endosulfan I	0.11	0.33		U
33213-65-9	Endosulfan II	0.16	0.66		U
1031-07-8	Endosulfan Sulfate	0.16	0.66		U
72-20-8	Endrin	0.16	0.66		U
7421-93-4	Endrin Aldehyde	0.16	0.66		U
53494-70-5	Endrin Ketone	0.16	0.66		U
58-89-9	Gamma-BHC	0.11	0.33		U
5103-74-2	Gamma-Chlordane	0.11	0.33		U
76-44-8	Heptachlor	0.11	0.33		U
1024-57-3	Heptachlor Epoxide	0.11	0.33		U
72-43-5	Methoxychlor	0.11	0.33		U
8001-35-2	Toxaphene	11	33		U
12674-11-2	PCB-1016	4.1	16		U
11104-28-2	PCB-1221	4.1	16		U
11141-16-5	PCB-1232	4.1	16		U
53469-21-9	PCB-1242	4.1	16		U
12672-29-6	PCB-1248	4.1	16		U
11097-69-1	PCB-1254	4.1	16		U
11096-82-5	PCB-1260	4.1	16		U

FORM 1
PESTA ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-DPB7-S10

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.P09069

Matrix: (soil/water) SOIL Lab Sample ID: 0609069-08

Sample wt/vol: 15.3 (g/mL) G Lab File ID: 127FAR01

% Moisture: 2 decanted: (Y/N) N Date Sampled: 09/12/06 16:18

Extraction: (SepF/Cont/Sonc/Soxh) SOXH Date Extracted:09/20/06

Concentrated Extract Volume: 5.0(mL) Date Analyzed: 10/04/06 22:30

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: NA Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	MDL	RL	CONC	Q
309-00-2	Aldrin	0.11	0.33		U
319-84-6	Alpha-BHC	0.11	0.33		U
5103-71-9	Alpha-Chlordane	0.11	0.33		U
319-85-7	Beta-BHC	0.11	0.33		U
72-54-8	4,4'-DDD	0.17	0.66		U
72-55-9	4,4'-DDE	0.17	0.66		U
50-29-3	4,4'-DDT	0.17	0.66	0.60	IV
319-86-8	Delta-BHC	0.11	0.33		U
60-57-1	Dieldrin	0.17	0.66		U
959-98-8	Endosulfan I	0.11	0.33		U
33213-65-9	Endosulfan II	0.17	0.66		U
1031-07-8	Endosulfan Sulfate	0.17	0.66		U
72-20-8	Endrin	0.17	0.66		U
7421-93-4	Endrin Aldehyde	0.17	0.66		U
53494-70-5	Endrin Ketone	0.17	0.66		U
58-89-9	Gamma-BHC	0.11	0.33		U
5103-74-2	Gamma-Chlordane	0.11	0.33		U
76-44-8	Heptachlor	0.11	0.33		U
1024-57-3	Heptachlor Epoxide	0.11	0.33		U
72-43-5	Methoxychlor	0.11	0.33		U
8001-35-2	Toxaphene	11	33		U
12674-11-2	PCB-1016	4.2	17		U
11104-28-2	PCB-1221	4.2	17		U
11141-16-5	PCB-1232	4.2	17		U
53469-21-9	PCB-1242	4.2	17		U
12672-29-6	PCB-1248	4.2	17		U
11097-69-1	PCB-1254	4.2	17		U
11096-82-5	PCB-1260	4.2	17		U

FORM 1
PESTA ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-DPB8-S10

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.P09069

Matrix: (soil/water) SOIL Lab Sample ID: 0609069-09

Sample wt/vol: 15.1 (g/mL) G Lab File ID: 128FAS01

% Moisture: 8 decanted: (Y/N) N Date Sampled: 09/12/06 16:35

Extraction: (SepF/Cont/Sonc/Soxh) SOXH Date Extracted:09/20/06

Concentrated Extract Volume: 5.0(mL) Date Analyzed: 10/04/06 22:58

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: NA Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	MDL	RL	CONC	Q
309-00-2	Aldrin	0.12	0.36		U
319-84-6	Alpha-BHC	0.12	0.36		U
5103-71-9	Alpha-Chlordane	0.12	0.36		U
319-85-7	Beta-BHC	0.12	0.36		U
72-54-8	4,4'-DDD	0.18	0.72		U
72-55-9	4,4'-DDE	0.18	0.72		U
50-29-3	4,4'-DDT	0.18	0.72	0.75	V
319-86-8	Delta-BHC	0.12	0.36		U
60-57-1	Dieldrin	0.18	0.72		U
959-98-8	Endosulfan I	0.12	0.36		U
33213-65-9	Endosulfan II	0.18	0.72		U
1031-07-8	Endosulfan Sulfate	0.18	0.72		U
72-20-8	Endrin	0.18	0.72		U
7421-93-4	Endrin Aldehyde	0.18	0.72		U
53494-70-5	Endrin Ketone	0.18	0.72		U
58-89-9	Gamma-BHC	0.12	0.36		U
5103-74-2	Gamma-Chlordane	0.12	0.36		U
76-44-8	Heptachlor	0.12	0.36		U
1024-57-3	Heptachlor Epoxide	0.12	0.36		U
72-43-5	Methoxychlor	0.12	0.36		U
8001-35-2	Toxaphene	12	36		U
12674-11-2	PCB-1016	4.5	18		U
11104-28-2	PCB-1221	4.5	18		U
11141-16-5	PCB-1232	4.5	18		U
53469-21-9	PCB-1242	4.5	18		U
12672-29-6	PCB-1248	4.5	18		U
11097-69-1	PCB-1254	4.5	18		U
11096-82-5	PCB-1260	4.5	18		U

FORM 1
PESTA ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-DPB9-S10

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.P09069

Matrix: (soil/water) SOIL Lab Sample ID: 0609069-10

Sample wt/vol: 15.4 (g/mL) G Lab File ID: 129FAT01

% Moisture: 3 decanted: (Y/N) N Date Sampled: 09/12/06 16:50

Extraction: (SepF/Cont/Sonc/Soxh) SOXH Date Extracted:09/20/06

Concentrated Extract Volume: 5.0(mL) Date Analyzed: 10/04/06 23:26

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: NA Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	MDL	RL	CONC	Q
309-00-2	Aldrin	0.11	0.34		U
319-84-6	Alpha-BHC	0.11	0.34		U
5103-71-9	Alpha-Chlordane	0.11	0.34		U
319-85-7	Beta-BHC	0.11	0.34		U
72-54-8	4,4'-DDD	0.17	0.67		U
72-55-9	4,4'-DDE	0.17	0.67		U
50-29-3	4,4'-DDT	0.17	0.67	1.2	V
319-86-8	Delta-BHC	0.11	0.34		U
60-57-1	Dieldrin	0.17	0.67		U
959-98-8	Endosulfan I	0.11	0.34		U
33213-65-9	Endosulfan II	0.17	0.67		U
1031-07-8	Endosulfan Sulfate	0.17	0.67		U
72-20-8	Endrin	0.17	0.67		U
7421-93-4	Endrin Aldehyde	0.17	0.67		U
53494-70-5	Endrin Ketone	0.17	0.67		U
58-89-9	Gamma-BHC	0.11	0.34		U
5103-74-2	Gamma-Chlordane	0.11	0.34		U
76-44-8	Heptachlor	0.11	0.34	0.18	IJ3
1024-57-3	Heptachlor Epoxide	0.11	0.34		U
72-43-5	Methoxychlor	0.11	0.34		U
8001-35-2	Toxaphene	11	34		U
12674-11-2	PCB-1016	4.2	17		U
11104-28-2	PCB-1221	4.2	17		U
11141-16-5	PCB-1232	4.2	17		U
53469-21-9	PCB-1242	4.2	17		U
12672-29-6	PCB-1248	4.2	17		U
11097-69-1	PCB-1254	4.2	17		U
11096-82-5	PCB-1260	4.2	17		U

FORM 1
PESTA ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-DPB10-S10

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.P09069

Matrix: (soil/water) SOIL Lab Sample ID: 0609069-11

Sample wt/vol: 15.0 (g/mL) G Lab File ID: 130FAU01

% Moisture: 3 decanted: (Y/N) N Date Sampled: 09/12/06 17:00

Extraction: (SepF/Cont/Sonc/Soxh) SOXH Date Extracted:09/20/06

Concentrated Extract Volume: 5.0(mL) Date Analyzed: 10/04/06 23:54

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: NA Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	MDL	RL	CONC	Q
309-00-2	Aldrin	0.11	0.34		U
319-84-6	Alpha-BHC	0.11	0.34		U
5103-71-9	Alpha-Chlordane	0.11	0.34		U
319-85-7	Beta-BHC	0.11	0.34		U
72-54-8	4,4'-DDD	0.17	0.68	2.8	V
72-55-9	4,4'-DDE	0.17	0.68	0.48	IV
50-29-3	4,4'-DDT	0.17	0.68	2.4	V
319-86-8	Delta-BHC	0.11	0.34		U
60-57-1	Dieldrin	0.17	0.68		U
959-98-8	Endosulfan I	0.11	0.34		U
33213-65-9	Endosulfan II	0.17	0.68		U
1031-07-8	Endosulfan Sulfate	0.17	0.68		U
72-20-8	Endrin	0.17	0.68		U
7421-93-4	Endrin Aldehyde	0.17	0.68		U
53494-70-5	Endrin Ketone	0.17	0.68		U
58-89-9	Gamma-BHC	0.11	0.34		U
5103-74-2	Gamma-Chlordane	0.11	0.34		U
76-44-8	Heptachlor	0.11	0.34		U
1024-57-3	Heptachlor Epoxide	0.11	0.34		U
72-43-5	Methoxychlor	0.11	0.34		U
8001-35-2	Toxaphene	11	34		U
12674-11-2	PCB-1016	4.3	17		U
11104-28-2	PCB-1221	4.3	17		U
11141-16-5	PCB-1232	4.3	17		U
53469-21-9	PCB-1242	4.3	17		U
12672-29-6	PCB-1248	4.3	17		U
11097-69-1	PCB-1254	4.3	17		U
11096-82-5	PCB-1260	4.3	17		U

FORM 1
PCB ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-DPW18-S12

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.P09069

Matrix: (soil/water) SOIL Lab Sample ID: 0609069-12

Sample wt/vol: 15.2 (g/mL) G Lab File ID: 006F0601

% Moisture: 8 decanted: (Y/N) N Date Sampled: 09/12/06 07:57

Extraction: (SepF/Cont/Sonc/Soxh) SOXH Date Extracted:09/20/06

Concentrated Extract Volume: 5.0(mL) Date Analyzed: 09/27/06 11:19

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: NA Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) MDL	RL	CONC	UG/KG Q
12674-11-2	PCB-1016	4.4	18		U
11104-28-2	PCB-1221	4.4	18		U
11141-16-5	PCB-1232	4.4	18		U
53469-21-9	PCB-1242	4.4	18		U
12672-29-6	PCB-1248	4.4	18		U
11097-69-1	PCB-1254	4.4	18		U
11096-82-5	PCB-1260	4.4	18		U

FORM 1
PCB ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-DPW19-S12

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.P09069

Matrix: (soil/water) SOIL Lab Sample ID: 0609069-13

Sample wt/vol: 15.4 (g/mL) G Lab File ID: 007F0701

% Moisture: 7 decanted: (Y/N) N Date Sampled: 09/12/06 08:19

Extraction: (SepF/Cont/Sonc/Soxh) SOXH Date Extracted:09/20/06

Concentrated Extract Volume: 5.0(mL) Date Analyzed: 09/27/06 11:47

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: NA Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	MDL	RL	CONC	Q
12674-11-2	PCB-1016	4.4	17		U
11104-28-2	PCB-1221	4.4	17		U
11141-16-5	PCB-1232	4.4	17		U
53469-21-9	PCB-1242	4.4	17		U
12672-29-6	PCB-1248	4.4	17		U
11097-69-1	PCB-1254	4.4	17		U
11096-82-5	PCB-1260	4.4	17		U

FORM 1
PCB ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-DPW2-S10

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.P09069

Matrix: (soil/water) SOIL Lab Sample ID: 0609069-19

Sample wt/vol: 15.1 (g/mL) G Lab File ID: 014F1401

% Moisture: 10 decanted: (Y/N) N Date Sampled: 09/12/06 08:15

Extraction: (SepF/Cont/Sonc/Soxh) SOXH Date Extracted:09/20/06

Concentrated Extract Volume: 5.0(mL) Date Analyzed: 09/27/06 15:08

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: NA Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG MDL	RL	CONC	Q
12674-11-2	PCB-1016	4.6	18		U
11104-28-2	PCB-1221	4.6	18		U
11141-16-5	PCB-1232	4.6	18		U
53469-21-9	PCB-1242	4.6	18		U
12672-29-6	PCB-1248	4.6	18		U
11097-69-1	PCB-1254	4.6	18		U
11096-82-5	PCB-1260	4.6	18		U

FORM 1
PCB ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-DPW20-S12

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.P09069

Matrix: (soil/water) SOIL Lab Sample ID: 0609069-14

Sample wt/vol: 15.4 (g/mL) G Lab File ID: 008F0801

% Moisture: 7 decanted: (Y/N) N Date Sampled: 09/12/06 08:43

Extraction: (SepF/Cont/Sonc/Soxh) SOXH Date Extracted:09/20/06

Concentrated Extract Volume: 5.0(mL) Date Analyzed: 09/27/06 12:16

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: NA Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) MDL	RL	CONC	UG/KG Q
12674-11-2	PCB-1016	4.4	17		U
11104-28-2	PCB-1221	4.4	17		U
11141-16-5	PCB-1232	4.4	17		U
53469-21-9	PCB-1242	4.4	17		U
12672-29-6	PCB-1248	4.4	17		U
11097-69-1	PCB-1254	4.4	17		U
11096-82-5	PCB-1260	4.4	17		U

FORM 1
PCB ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-DPW21-S12

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.P09069

Matrix: (soil/water) SOIL Lab Sample ID: 0609069-15

Sample wt/vol: 15.9 (g/mL) G Lab File ID: 009F0901

% Moisture: 15 decanted: (Y/N) N Date Sampled: 09/12/06 09:15

Extraction: (SepF/Cont/Sonc/Soxh) SOXH Date Extracted:09/20/06

Concentrated Extract Volume: 5.0(mL) Date Analyzed: 09/27/06 12:45

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: NA Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) MDL	RL	CONC	UG/KG Q
12674-11-2	PCB-1016	4.6	18		U
11104-28-2	PCB-1221	4.6	18		U
11141-16-5	PCB-1232	4.6	18		U
53469-21-9	PCB-1242	4.6	18		U
12672-29-6	PCB-1248	4.6	18		U
11097-69-1	PCB-1254	4.6	18		U
11096-82-5	PCB-1260	4.6	18		U

FORM 1
PCB ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-DPW23-S26

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.P09069

Matrix: (soil/water) SOIL Lab Sample ID: 0609069-16

Sample wt/vol: 15.4 (g/mL) G Lab File ID: 012F1201

% Moisture: 7 decanted: (Y/N) N Date Sampled: 09/12/06 10:10

Extraction: (SepF/Cont/Sonc/Soxh) SOXH Date Extracted:09/20/06

Concentrated Extract Volume: 5.0(mL) Date Analyzed: 09/27/06 14:10

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: NA Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG MDL	RL	CONC	Q
12674-11-2	PCB-1016	4.4	17		U
11104-28-2	PCB-1221	4.4	17		U
11141-16-5	PCB-1232	4.4	17		U
53469-21-9	PCB-1242	4.4	17		U
12672-29-6	PCB-1248	4.4	17		U
11097-69-1	PCB-1254	4.4	17		U
11096-82-5	PCB-1260	4.4	17		U

FORM 1
PCB ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-DPW24-S26

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.P09069

Matrix: (soil/water) SOIL Lab Sample ID: 0609069-17

Sample wt/vol: 15.2 (g/mL) G Lab File ID: 013F1301

% Moisture: 7 decanted: (Y/N) N Date Sampled: 09/12/06 10:43

Extraction: (SepF/Cont/Sonc/Soxh) SOXH Date Extracted:09/20/06

Concentrated Extract Volume: 5.0(mL) Date Analyzed: 09/27/06 14:39

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: NA Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	MDL	RL	CONC	Q
12674-11-2	PCB-1016	4.4	18		U
11104-28-2	PCB-1221	4.4	18		U
11141-16-5	PCB-1232	4.4	18		U
53469-21-9	PCB-1242	4.4	18		U
12672-29-6	PCB-1248	4.4	18		U
11097-69-1	PCB-1254	4.4	18		U
11096-82-5	PCB-1260	4.4	18		U

FORM 1
PCB ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-DPW3-S10

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.P09069

Matrix: (soil/water) SOIL Lab Sample ID: 0609069-20

Sample wt/vol: 15.4 (g/mL) G Lab File ID: 015F1501

% Moisture: 7 decanted: (Y/N) N Date Sampled: 09/12/06 08:30

Extraction: (SepF/Cont/Sonc/Soxh) SOXH Date Extracted:09/20/06

Concentrated Extract Volume: 5.0(mL) Date Analyzed: 09/27/06 15:36

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: NA Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG MDL	RL	CONC	Q
12674-11-2	PCB-1016	4.4	17		U
11104-28-2	PCB-1221	4.4	17		U
11141-16-5	PCB-1232	4.4	17		U
53469-21-9	PCB-1242	4.4	17		U
12672-29-6	PCB-1248	4.4	17		U
11097-69-1	PCB-1254	4.4	17		U
11096-82-5	PCB-1260	4.4	17		U

FORM 1
PCB ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-DPW4-S10

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.P09069

Matrix: (soil/water) SOIL Lab Sample ID: 0609069-21

Sample wt/vol: 15.2 (g/mL) G Lab File ID: 016F1601

% Moisture: 5 decanted: (Y/N) N Date Sampled: 09/12/06 09:00

Extraction: (SepF/Cont/Sonc/Soxh) SOXH Date Extracted:09/20/06

Concentrated Extract Volume: 5.0(mL) Date Analyzed: 09/27/06 16:05

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: NA Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	MDL	RL	CONC	Q
12674-11-2	PCB-1016	4.3	17		U
11104-28-2	PCB-1221	4.3	17		U
11141-16-5	PCB-1232	4.3	17		U
53469-21-9	PCB-1242	4.3	17		U
12672-29-6	PCB-1248	4.3	17		U
11097-69-1	PCB-1254	4.3	17		U
11096-82-5	PCB-1260	4.3	17		U

FORM 1
PCB ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-DPW5-S10

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.P09069

Matrix: (soil/water) SOIL Lab Sample ID: 0609069-22

Sample wt/vol: 15.2 (g/mL) G Lab File ID: 017F1701

% Moisture: 19 decanted: (Y/N) N Date Sampled: 09/12/06 09:20

Extraction: (SepF/Cont/Sonc/Soxh) SOXH Date Extracted:09/20/06

Concentrated Extract Volume: 5.0(mL) Date Analyzed: 09/27/06 16:34

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: NA Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG MDL	RL	CONC	Q
12674-11-2	PCB-1016	5.1	20		U
11104-28-2	PCB-1221	5.1	20		U
11141-16-5	PCB-1232	5.1	20		U
53469-21-9	PCB-1242	5.1	20		U
12672-29-6	PCB-1248	5.1	20		U
11097-69-1	PCB-1254	5.1	20		U
11096-82-5	PCB-1260	5.1	20		U

FORM 1
PCB ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-DPW6-S10

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.P09069

Matrix: (soil/water) SOIL Lab Sample ID: 0609069-23

Sample wt/vol: 15.0 (g/mL) G Lab File ID: 019F1901

% Moisture: 5 decanted: (Y/N) N Date Sampled: 09/12/06 10:15

Extraction: (SepF/Cont/Sonc/Soxh) SOXH Date Extracted:09/20/06

Concentrated Extract Volume: 5.0(mL) Date Analyzed: 09/27/06 17:31

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: NA Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	MDL	RL	CONC	Q
12674-11-2	PCB-1016	4.4	18		U
11104-28-2	PCB-1221	4.4	18		U
11141-16-5	PCB-1232	4.4	18		U
53469-21-9	PCB-1242	4.4	18		U
12672-29-6	PCB-1248	4.4	18		U
11097-69-1	PCB-1254	4.4	18		U
11096-82-5	PCB-1260	4.4	18		U

FORM 1
PCB ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-DPW8-S10

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.P09069

Matrix: (soil/water) SOIL Lab Sample ID: 0609069-24

Sample wt/vol: 15.6 (g/mL) G Lab File ID: 020F2001

% Moisture: 8 decanted: (Y/N) N Date Sampled: 09/12/06 10:30

Extraction: (SepF/Cont/Sonc/Soxh) SOXH Date Extracted:09/20/06

Concentrated Extract Volume: 5.0(mL) Date Analyzed: 09/27/06 17:59

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: NA Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	MDL	RL	CONC	Q
12674-11-2	PCB-1016	4.3	17		U
11104-28-2	PCB-1221	4.3	17		U
11141-16-5	PCB-1232	4.3	17		U
53469-21-9	PCB-1242	4.3	17		U
12672-29-6	PCB-1248	4.3	17		U
11097-69-1	PCB-1254	4.3	17		U
11096-82-5	PCB-1260	4.3	17		U

FORM 1
PCB ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-DPW9-S10

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.P09069

Matrix: (soil/water) SOIL Lab Sample ID: 0609069-25

Sample wt/vol: 15.4 (g/mL) G Lab File ID: 021F2101

% Moisture: 8 decanted: (Y/N) N Date Sampled: 09/12/06 10:55

Extraction: (SepF/Cont/Sonc/Soxh) SOXH Date Extracted:09/20/06

Concentrated Extract Volume: 5.0(mL) Date Analyzed: 09/27/06 18:28

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: NA Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	MDL	RL	CONC	Q
12674-11-2	PCB-1016	4.4	18		U
11104-28-2	PCB-1221	4.4	18		U
11141-16-5	PCB-1232	4.4	18		U
53469-21-9	PCB-1242	4.4	18		U
12672-29-6	PCB-1248	4.4	18		U
11097-69-1	PCB-1254	4.4	18		U
11096-82-5	PCB-1260	4.4	18		U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-DPB1-S10

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.V09069

Matrix: (soil/water) SOIL Lab Sample ID: 0609069-01

Sample wt/vol: 5.3 (g/mL) G Lab File ID: 0906901A

Level: (low/med) LOW Date Sampled: 09/12/06 13:28

% Moisture: not dec. 5 Date Analyzed: 09/18/06 13:57

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) MDL	RL	CONC	UG/KG Q
67-64-1	Acetone	2.0	49		U
75-05-8	Acetonitrile	0.49	20		U
107-02-8	Acrolein	5.1	25		U
107-13-1	Acrylonitrile	1.4	25		U
107-05-1	Allyl chloride	0.49	4.9		U
71-43-2	Benzene	0.46	4.9		U
75-27-4	Bromodichloromethane	0.30	4.9		U
75-25-2	Bromoform	0.99	4.9		U
74-83-9	Bromomethane	0.71	9.9		U
78-93-3	2-Butanone	1.4	49		U
75-15-0	Carbon disulfide	1.3	4.9		U
56-23-5	Carbon tetrachloride	0.87	4.9		U
108-90-7	Chlorobenzene	2.5	4.9		U
75-00-3	Chloroethane	1.1	9.9		U
67-66-3	Chloroform	0.54	4.9		U
74-87-3	Chloromethane	0.51	9.9		U
126-99-8	Chloroprene	0.49	4.9		U
110-82-7	Cyclohexane	0.53	9.9		U
124-48-1	Dibromochloromethane	0.34	4.9		U
96-12-8	1,2-Dibromo-3-chloropropane	1.2	9.9		U
106-93-4	1,2-Dibromoethane	0.42	4.9		U
74-95-3	Dibromomethane	0.40	4.9		U
95-50-1	1,2-Dichlorobenzene	0.36	4.9		U
541-73-1	1,3-Dichlorobenzene	0.83	4.9		U
106-46-7	1,4-Dichlorobenzene	0.54	4.9		U
110-57-6	trans-1,4-Dichloro-2-butene	7.9	25		U
75-71-8	Dichlorodifluoromethane	1.1	9.9		U
75-34-3	1,1-Dichloroethane	0.53	4.9		U
107-06-2	1,2-Dichloroethane	0.45	4.9		U
75-35-4	1,1-Dichloroethene	1.2	4.9		U
156-59-2	cis-1,2-Dichloroethene	1.2	4.9		U
156-60-5	trans-1,2-Dichloroethene	1.1	4.9		U
78-87-5	1,2-Dichloropropane	0.45	4.9		U
10061-01-5	cis-1,3-Dichloropropene	0.49	4.9		U
10061-02-6	trans-1,3-Dichloropropene	0.32	4.9		U
123-91-1	1,4-Dioxane	0.49	40		U
100-41-4	Ethylbenzene	0.74	4.9		U
97-63-2	Ethyl methacrylate	0.26	4.9		U
591-78-6	2-Hexanone	2.3	25		U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-DPB1-S10

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.V09069

Matrix: (soil/water) SOIL Lab Sample ID: 0609069-01

Sample wt/vol: 5.3 (g/mL) G Lab File ID: 0906901A

Level: (low/med) LOW Date Sampled: 09/12/06 13:28

% Moisture: not dec. 5 Date Analyzed: 09/18/06 13:57

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	MDL	RL	CONC	Q
74-88-4	Iodomethane	0.82	25		U
78-83-1	Isobutyl alcohol	0.49	40		U
98-82-8	Isopropylbenzene	0.87	4.9		U
79-20-9	Methyl acetate	1.6	4.9		U
126-98-7	Methacrylonitrile	0.49	20		U
108-87-2	Methyl cyclohexane	0.30	4.9		U
75-09-2	Methylene chloride	0.61	9.9		U
80-62-6	Methyl methacrylate	0.44	4.9		U
1634-04-4	MTBE	0.32	4.9		U
108-10-1	4-Methyl-2-pentanone	0.57	25		U
107-12-0	Propionitrile	0.49	20		U
100-42-5	Styrene	0.34	4.9		U
630-20-6	1,1,1,2-Tetrachloroethane	0.32	4.9		U
79-34-5	1,1,2,2-Tetrachloroethane	0.42	4.9		U
127-18-4	Tetrachloroethene	0.96	4.9		U
108-88-3	Toluene	0.85	4.9		U
87-61-6	1,2,3-Trichlorobenzene	0.41	4.9		U
120-82-1	1,2,4-Trichlorobenzene	0.18	4.9		U
71-55-6	1,1,1-Trichloroethane	0.89	4.9		U
79-00-5	1,1,2-Trichloroethane	0.34	4.9		U
79-01-6	Trichloroethene	0.84	4.9		U
76-13-1	Trichlorotrifluoroethane	0.54	4.9		U
75-69-4	Trichlorofluoromethane	0.94	9.9		U
96-18-4	1,2,3-Trichloropropane	0.69	4.9		U
108-05-4	Vinyl acetate	0.54	25		U
75-01-4	Vinyl chloride	1.1	6.9		U
108-38-3	m,p-Xylene	1.5	4.9		U
95-47-6	o-Xylene	0.69	4.9		U
1330-20-7	Xylene(total)	0.69	4.9		U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-DPB2-S10

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.V09069

Matrix: (soil/water) SOIL Lab Sample ID: 0609069-02

Sample wt/vol: 5.3 (g/mL) G Lab File ID: 0906902A

Level: (low/med) LOW Date Sampled: 09/12/06 13:58

% Moisture: not dec. 2 Date Analyzed: 09/18/06 14:33

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) MDL	RL	CONC	UG/KG Q
67-64-1	Acetone	1.9	48		U
75-05-8	Acetonitrile	0.48	19		U
107-02-8	Acrolein	5.0	24		U
107-13-1	Acrylonitrile	1.3	24		U
107-05-1	Allyl chloride	0.48	4.8		U
71-43-2	Benzene	0.45	4.8		U
75-27-4	Bromodichloromethane	0.29	4.8		U
75-25-2	Bromoform	0.95	4.8		U
74-83-9	Bromomethane	0.69	9.5		U
78-93-3	2-Butanone	1.3	48		U
75-15-0	Carbon disulfide	1.2	4.8		U
56-23-5	Carbon tetrachloride	0.84	4.8		U
108-90-7	Chlorobenzene	2.4	4.8		U
75-00-3	Chloroethane	1.0	9.5		U
67-66-3	Chloroform	0.52	4.8		U
74-87-3	Chloromethane	0.50	9.5		U
126-99-8	Chloroprene	0.48	4.8		U
110-82-7	Cyclohexane	0.52	9.5		U
124-48-1	Dibromochloromethane	0.32	4.8		U
96-12-8	1,2-Dibromo-3-chloropropane	1.1	9.5		U
106-93-4	1,2-Dibromoethane	0.41	4.8		U
74-95-3	Dibromomethane	0.39	4.8		U
95-50-1	1,2-Dichlorobenzene	0.35	4.8		U
541-73-1	1,3-Dichlorobenzene	0.80	4.8		U
106-46-7	1,4-Dichlorobenzene	0.52	4.8		U
110-57-6	trans-1,4-Dichloro-2-butene	7.6	24		U
75-71-8	Dichlorodifluoromethane	1.0	9.5		U
75-34-3	1,1-Dichloroethane	0.52	4.8		U
107-06-2	1,2-Dichloroethane	0.44	4.8		U
75-35-4	1,1-Dichloroethene	1.1	4.8		U
156-59-2	cis-1,2-Dichloroethene	1.1	4.8		U
156-60-5	trans-1,2-Dichloroethene	1.0	4.8		U
78-87-5	1,2-Dichloropropane	0.44	4.8		U
10061-01-5	cis-1,3-Dichloropropene	0.48	4.8		U
10061-02-6	trans-1,3-Dichloropropene	0.30	4.8		U
123-91-1	1,4-Dioxane	0.48	38		U
100-41-4	Ethylbenzene	0.72	4.8		U
97-63-2	Ethyl methacrylate	0.25	4.8		U
591-78-6	2-Hexanone	2.2	24		U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-DPB2-S10

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.V09069

Matrix: (soil/water) SOIL Lab Sample ID: 0609069-02

Sample wt/vol: 5.3 (g/mL) G Lab File ID: 0906902A

Level: (low/med) LOW Date Sampled: 09/12/06 13:58

% Moisture: not dec. 2 Date Analyzed: 09/18/06 14:33

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) MDL	RL	CONC	UG/KG Q
74-88-4	Iodomethane	0.79	24		U
78-83-1	Isobutyl alcohol	0.48	38		U
98-82-8	Isopropylbenzene	0.84	4.8		U
79-20-9	Methyl acetate	1.5	4.8		U
126-98-7	Methacrylonitrile	0.48	19		U
108-87-2	Methyl cyclohexane	0.29	4.8		U
75-09-2	Methylene chloride	0.59	9.5		U
80-62-6	Methyl methacrylate	0.43	4.8		U
1634-04-4	MTBE	0.30	4.8		U
108-10-1	4-Methyl-2-pentanone	0.55	24		U
107-12-0	Propionitrile	0.48	19		U
100-42-5	Styrene	0.33	4.8		U
630-20-6	1,1,1,2-Tetrachloroethane	0.30	4.8		U
79-34-5	1,1,2,2-Tetrachloroethane	0.41	4.8		U
127-18-4	Tetrachloroethene	0.92	4.8		U
108-88-3	Toluene	0.82	4.8		U
87-61-6	1,2,3-Trichlorobenzene	0.40	4.8		U
120-82-1	1,2,4-Trichlorobenzene	0.17	4.8		U
71-55-6	1,1,1-Trichloroethane	0.86	4.8		U
79-00-5	1,1,2-Trichloroethane	0.33	4.8		U
79-01-6	Trichloroethene	0.81	4.8		U
76-13-1	Trichlorotrifluoroethane	0.52	4.8		U
75-69-4	Trichlorofluoromethane	0.91	9.5		U
96-18-4	1,2,3-Trichloropropane	0.67	4.8		U
108-05-4	Vinyl acetate	0.52	24		U
75-01-4	Vinyl chloride	1.0	6.7		U
108-38-3	m,p-Xylene	1.4	4.8		U
95-47-6	o-Xylene	0.67	4.8		U
1330-20-7	Xylene(total)	0.67	4.8		U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-DPB3-S10

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.V09069

Matrix: (soil/water) SOIL Lab Sample ID: 0609069-03

Sample wt/vol: 4.9 (g/mL) G Lab File ID: 0906903A

Level: (low/med) LOW Date Sampled: 09/12/06 14:25

% Moisture: not dec. 4 Date Analyzed: 09/18/06 15:19

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) MDL	RL	CONC	UG/KG Q
67-64-1	Acetone	2.1	54		U
75-05-8	Acetonitrile	0.54	21		U
107-02-8	Acrolein	5.6	27		U
107-13-1	Acrylonitrile	1.5	27		U
107-05-1	Allyl chloride	0.54	5.4		U
71-43-2	Benzene	0.50	5.4		U
75-27-4	Bromodichloromethane	0.32	5.4		U
75-25-2	Bromoform	1.1	5.4		U
74-83-9	Bromomethane	0.77	11		U
78-93-3	2-Butanone	1.5	54		U
75-15-0	Carbon disulfide	1.4	5.4		U
56-23-5	Carbon tetrachloride	0.94	5.4		U
108-90-7	Chlorobenzene	2.7	5.4		U
75-00-3	Chloroethane	1.2	11		U
67-66-3	Chloroform	0.59	5.4		U
74-87-3	Chloromethane	0.56	11		U
126-99-8	Chloroprene	0.54	5.4		U
110-82-7	Cyclohexane	0.58	11		U
124-48-1	Dibromochloromethane	0.36	5.4		U
96-12-8	1,2-Dibromo-3-chloropropane	1.3	11		U
106-93-4	1,2-Dibromoethane	0.46	5.4		U
74-95-3	Dibromomethane	0.44	5.4		U
95-50-1	1,2-Dichlorobenzene	0.40	5.4		U
541-73-1	1,3-Dichlorobenzene	0.90	5.4		U
106-46-7	1,4-Dichlorobenzene	0.59	5.4		U
110-57-6	trans-1,4-Dichloro-2-butene	8.6	27		U
75-71-8	Dichlorodifluoromethane	1.2	11		U
75-34-3	1,1-Dichloroethane	0.58	5.4		U
107-06-2	1,2-Dichloroethane	0.49	5.4		U
75-35-4	1,1-Dichloroethene	1.3	5.4		U
156-59-2	cis-1,2-Dichloroethene	1.3	5.4		U
156-60-5	trans-1,2-Dichloroethene	1.2	5.4		U
78-87-5	1,2-Dichloropropane	0.49	5.4		U
10061-01-5	cis-1,3-Dichloropropene	0.54	5.4		U
10061-02-6	trans-1,3-Dichloropropene	0.34	5.4		U
123-91-1	1,4-Dioxane	0.54	43		U
100-41-4	Ethylbenzene	0.80	5.4		U
97-63-2	Ethyl methacrylate	0.28	5.4		U
591-78-6	2-Hexanone	2.5	27		U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-DPB3-S10

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.V09069

Matrix: (soil/water) SOIL Lab Sample ID: 0609069-03

Sample wt/vol: 4.9 (g/mL) G Lab File ID: 0906903A

Level: (low/med) LOW Date Sampled: 09/12/06 14:25

% Moisture: not dec. 4 Date Analyzed: 09/18/06 15:19

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) MDL	RL	CONC	UG/KG Q
74-88-4	Iodomethane	0.89	27		U
78-83-1	Isobutyl alcohol	0.54	43		U
98-82-8	Isopropylbenzene	0.94	5.4		U
79-20-9	Methyl acetate	1.7	5.4		U
126-98-7	Methacrylonitrile	0.54	21		U
108-87-2	Methyl cyclohexane	0.32	5.4		U
75-09-2	Methylene chloride	0.66	11		U
80-62-6	Methyl methacrylate	0.48	5.4		U
1634-04-4	MTBE	0.34	5.4		U
108-10-1	4-Methyl-2-pentanone	0.62	27		U
107-12-0	Propionitrile	0.54	21		U
100-42-5	Styrene	0.38	5.4		U
630-20-6	1,1,1,2-Tetrachloroethane	0.34	5.4		U
79-34-5	1,1,2,2-Tetrachloroethane	0.46	5.4		U
127-18-4	Tetrachloroethene	1.0	5.4		U
108-88-3	Toluene	0.92	5.4		U
87-61-6	1,2,3-Trichlorobenzene	0.45	5.4		U
120-82-1	1,2,4-Trichlorobenzene	0.19	5.4		U
71-55-6	1,1,1-Trichloroethane	0.96	5.4		U
79-00-5	1,1,2-Trichloroethane	0.38	5.4		U
79-01-6	Trichloroethene	0.91	5.4		U
76-13-1	Trichlorotrifluoroethane	0.59	5.4		U
75-69-4	Trichlorofluoromethane	1.0	11		U
96-18-4	1,2,3-Trichloropropane	0.75	5.4		U
108-05-4	Vinyl acetate	0.59	27		U
75-01-4	Vinyl chloride	1.2	7.5		U
108-38-3	m,p-Xylene	1.6	5.4		U
95-47-6	o-Xylene	0.75	5.4		U
1330-20-7	Xylene(total)	0.75	5.4		U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-DPB4-S10

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.V09069

Matrix: (soil/water) SOIL Lab Sample ID: 0609069-04

Sample wt/vol: 4.9 (g/mL) G Lab File ID: 0906904A

Level: (low/med) LOW Date Sampled: 09/12/06 15:00

% Moisture: not dec. 3 Date Analyzed: 09/18/06 15:56

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) MDL	RL	CONC	UG/KG Q
67-64-1	Acetone	2.1	52		U
75-05-8	Acetonitrile	0.52	21		U
107-02-8	Acrolein	5.4	26		U
107-13-1	Acrylonitrile	1.5	26		U
107-05-1	Allyl chloride	0.52	5.2		U
71-43-2	Benzene	0.49	5.2		U
75-27-4	Bromodichloromethane	0.31	5.2		U
75-25-2	Bromoform	1.0	5.2		U
74-83-9	Bromomethane	0.76	10		U
78-93-3	2-Butanone	1.5	52		U
75-15-0	Carbon disulfide	1.4	5.2		U
56-23-5	Carbon tetrachloride	0.92	5.2		U
108-90-7	Chlorobenzene	2.6	5.2		U
75-00-3	Chloroethane	1.2	10		U
67-66-3	Chloroform	0.58	5.2		U
74-87-3	Chloromethane	0.54	10		U
126-99-8	Chloroprene	0.52	5.2		U
110-82-7	Cyclohexane	0.57	10		U
124-48-1	Dibromochloromethane	0.36	5.2		U
96-12-8	1,2-Dibromo-3-chloropropane	1.2	10		U
106-93-4	1,2-Dibromoethane	0.45	5.2		U
74-95-3	Dibromomethane	0.43	5.2		U
95-50-1	1,2-Dichlorobenzene	0.39	5.2		U
541-73-1	1,3-Dichlorobenzene	0.88	5.2		U
106-46-7	1,4-Dichlorobenzene	0.58	5.2		U
110-57-6	trans-1,4-Dichloro-2-butene	8.4	26		U
75-71-8	Dichlorodifluoromethane	1.2	10		U
75-34-3	1,1-Dichloroethane	0.57	5.2		U
107-06-2	1,2-Dichloroethane	0.48	5.2		U
75-35-4	1,1-Dichloroethene	1.2	5.2		U
156-59-2	cis-1,2-Dichloroethene	1.2	5.2		U
156-60-5	trans-1,2-Dichloroethene	1.2	5.2		U
78-87-5	1,2-Dichloropropane	0.48	5.2		U
10061-01-5	cis-1,3-Dichloropropene	0.52	5.2		U
10061-02-6	trans-1,3-Dichloropropene	0.34	5.2		U
123-91-1	1,4-Dioxane	0.52	42		U
100-41-4	Ethylbenzene	0.79	5.2		U
97-63-2	Ethyl methacrylate	0.27	5.2		U
591-78-6	2-Hexanone	2.4	26		U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-DPB4-S10

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.V09069

Matrix: (soil/water) SOIL Lab Sample ID: 0609069-04

Sample wt/vol: 4.9 (g/mL) G Lab File ID: 0906904A

Level: (low/med) LOW Date Sampled: 09/12/06 15:00

% Moisture: not dec. 3 Date Analyzed: 09/18/06 15:56

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	MDL	RL	CONC	Q
74-88-4	Iodomethane	0.87	26		U
78-83-1	Isobutyl alcohol	0.52	42		U
98-82-8	Isopropylbenzene	0.92	5.2		U
79-20-9	Methyl acetate	1.7	5.2		U
126-98-7	Methacrylonitrile	0.52	21		U
108-87-2	Methyl cyclohexane	0.31	5.2		U
75-09-2	Methylene chloride	0.65	10		U
80-62-6	Methyl methacrylate	0.47	5.2		U
1634-04-4	MTBE	0.34	5.2		U
108-10-1	4-Methyl-2-pentanone	0.61	26		U
107-12-0	Propionitrile	0.52	21		U
100-42-5	Styrene	0.37	5.2		U
630-20-6	1,1,1,2-Tetrachloroethane	0.34	5.2		U
79-34-5	1,1,2,2-Tetrachloroethane	0.45	5.2		U
127-18-4	Tetrachloroethene	1.0	5.2		U
108-88-3	Toluene	0.90	5.2		U
87-61-6	1,2,3-Trichlorobenzene	0.44	5.2		U
120-82-1	1,2,4-Trichlorobenzene	0.19	5.2		U
71-55-6	1,1,1-Trichloroethane	0.94	5.2		U
79-00-5	1,1,2-Trichloroethane	0.37	5.2		U
79-01-6	Trichloroethene	0.89	5.2		U
76-13-1	Trichlorotrifluoroethane	0.58	5.2		U
75-69-4	Trichlorofluoromethane	1.00	10		U
96-18-4	1,2,3-Trichloropropane	0.73	5.2		U
108-05-4	Vinyl acetate	0.58	26		U
75-01-4	Vinyl chloride	1.2	7.3		U
108-38-3	m,p-Xylene	1.6	5.2		U
95-47-6	o-Xylene	0.73	5.2		U
1330-20-7	Xylene(total)	0.73	5.2		U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.
OLFS4-DP
B4-S10-D

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.V09069

Matrix: (soil/water) SOIL Lab Sample ID: 0609069-05

Sample wt/vol: 5.6 (g/mL) G Lab File ID: 0906905A

Level: (low/med) LOW Date Sampled: 09/12/06 15:00

% Moisture: not dec. 3 Date Analyzed: 09/18/06 16:33

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) MDL	RL	CONC	UG/KG Q
67-64-1	Acetone	1.8	46		U
75-05-8	Acetonitrile	0.46	18		U
107-02-8	Acrolein	4.8	23		U
107-13-1	Acrylonitrile	1.3	23		U
107-05-1	Allyl chloride	0.46	4.6		U
71-43-2	Benzene	0.43	4.6		U
75-27-4	Bromodichloromethane	0.28	4.6		U
75-25-2	Bromoform	0.92	4.6		U
74-83-9	Bromomethane	0.66	9.2		U
78-93-3	2-Butanone	1.3	46		U
75-15-0	Carbon disulfide	1.2	4.6		U
56-23-5	Carbon tetrachloride	0.81	4.6		U
108-90-7	Chlorobenzene	2.3	4.6		U
75-00-3	Chloroethane	1.0	9.2		U
67-66-3	Chloroform	0.50	4.6		U
74-87-3	Chloromethane	0.48	9.2		U
126-99-8	Chloroprene	0.46	4.6		U
110-82-7	Cyclohexane	0.50	9.2		U
124-48-1	Dibromochloromethane	0.31	4.6		U
96-12-8	1,2-Dibromo-3-chloropropane	1.1	9.2		U
106-93-4	1,2-Dibromoethane	0.39	4.6		U
74-95-3	Dibromomethane	0.38	4.6		U
95-50-1	1,2-Dichlorobenzene	0.34	4.6		U
541-73-1	1,3-Dichlorobenzene	0.77	4.6		U
106-46-7	1,4-Dichlorobenzene	0.50	4.6		U
110-57-6	trans-1,4-Dichloro-2-butene	7.3	23		U
75-71-8	Dichlorodifluoromethane	1.0	9.2		U
75-34-3	1,1-Dichloroethane	0.50	4.6		U
107-06-2	1,2-Dichloroethane	0.42	4.6		U
75-35-4	1,1-Dichloroethene	1.1	4.6		U
156-59-2	cis-1,2-Dichloroethene	1.1	4.6		U
156-60-5	trans-1,2-Dichloroethene	1.0	4.6		U
78-87-5	1,2-Dichloropropane	0.42	4.6		U
10061-01-5	cis-1,3-Dichloropropene	0.46	4.6		U
10061-02-6	trans-1,3-Dichloropropene	0.29	4.6		U
123-91-1	1,4-Dioxane	0.46	37		U
100-41-4	Ethylbenzene	0.69	4.6		U
97-63-2	Ethyl methacrylate	0.24	4.6		U
591-78-6	2-Hexanone	2.1	23		U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.
OLFS4-DP
B4-S10-D

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.V09069

Matrix: (soil/water) SOIL Lab Sample ID: 0609069-05

Sample wt/vol: 5.6 (g/mL) G Lab File ID: 0906905A

Level: (low/med) LOW Date Sampled: 09/12/06 15:00

% Moisture: not dec. 3 Date Analyzed: 09/18/06 16:33

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) MDL	RL	CONC	UG/KG Q
74-88-4	Iodomethane	0.76	23		U
78-83-1	Isobutyl alcohol	0.46	37		U
98-82-8	Isopropylbenzene	0.81	4.6		U
79-20-9	Methyl acetate	1.5	4.6		U
126-98-7	Methacrylonitrile	0.46	18		U
108-87-2	Methyl cyclohexane	0.28	4.6		U
75-09-2	Methylene chloride	0.57	9.2		U
80-62-6	Methyl methacrylate	0.41	4.6		U
1634-04-4	MTBE	0.29	4.6		U
108-10-1	4-Methyl-2-pentanone	0.53	23		U
107-12-0	Propionitrile	0.46	18		U
100-42-5	Styrene	0.32	4.6		U
630-20-6	1,1,1,2-Tetrachloroethane	0.29	4.6		U
79-34-5	1,1,2,2-Tetrachloroethane	0.39	4.6		U
127-18-4	Tetrachloroethene	0.89	4.6		U
108-88-3	Toluene	0.79	4.6		U
87-61-6	1,2,3-Trichlorobenzene	0.38	4.6		U
120-82-1	1,2,4-Trichlorobenzene	0.16	4.6		U
71-55-6	1,1,1-Trichloroethane	0.82	4.6		U
79-00-5	1,1,2-Trichloroethane	0.32	4.6		U
79-01-6	Trichloroethene	0.78	4.6		U
76-13-1	Trichlorotrifluoroethane	0.50	4.6		U
75-69-4	Trichlorofluoromethane	0.87	9.2		U
96-18-4	1,2,3-Trichloropropane	0.64	4.6		U
108-05-4	Vinyl acetate	0.50	23		U
75-01-4	Vinyl chloride	1.0	6.4		U
108-38-3	m,p-Xylene	1.4	4.6		U
95-47-6	o-Xylene	0.64	4.6		U
1330-20-7	Xylene(total)	0.64	4.6		U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-DPB5-S10

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.V09069

Matrix: (soil/water) SOIL Lab Sample ID: 0609069-06

Sample wt/vol: 5.0 (g/mL) G Lab File ID: 0906906A

Level: (low/med) LOW Date Sampled: 09/12/06 15:40

% Moisture: not dec. 3 Date Analyzed: 09/18/06 17:10

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	MDL	RL	CONC	Q
67-64-1	Acetone	2.0	51		U
75-05-8	Acetonitrile	0.51	20		U
107-02-8	Acrolein	5.3	25		U
107-13-1	Acrylonitrile	1.4	25		U
107-05-1	Allyl chloride	0.51	5.1		U
71-43-2	Benzene	0.48	5.1		U
75-27-4	Bromodichloromethane	0.30	5.1		U
75-25-2	Bromoform	1.0	5.1		U
74-83-9	Bromomethane	0.73	10		U
78-93-3	2-Butanone	1.4	51		U
75-15-0	Carbon disulfide	1.3	5.1		U
56-23-5	Carbon tetrachloride	0.90	5.1		U
108-90-7	Chlorobenzene	2.5	5.1		U
75-00-3	Chloroethane	1.1	10		U
67-66-3	Chloroform	0.56	5.1		U
74-87-3	Chloromethane	0.53	10		U
126-99-8	Chloroprene	0.51	5.1		U
110-82-7	Cyclohexane	0.55	10		U
124-48-1	Dibromochloromethane	0.35	5.1		U
96-12-8	1,2-Dibromo-3-chloropropane	1.2	10		U
106-93-4	1,2-Dibromoethane	0.44	5.1		U
74-95-3	Dibromomethane	0.42	5.1		U
95-50-1	1,2-Dichlorobenzene	0.38	5.1		U
541-73-1	1,3-Dichlorobenzene	0.86	5.1		U
106-46-7	1,4-Dichlorobenzene	0.56	5.1		U
110-57-6	trans-1,4-Dichloro-2-butene	8.1	25		U
75-71-8	Dichlorodifluoromethane	1.1	10		U
75-34-3	1,1-Dichloroethane	0.55	5.1		U
107-06-2	1,2-Dichloroethane	0.47	5.1		U
75-35-4	1,1-Dichloroethene	1.2	5.1		U
156-59-2	cis-1,2-Dichloroethene	1.2	5.1		U
156-60-5	trans-1,2-Dichloroethene	1.1	5.1		U
78-87-5	1,2-Dichloropropane	0.47	5.1		U
10061-01-5	cis-1,3-Dichloropropene	0.51	5.1		U
10061-02-6	trans-1,3-Dichloropropene	0.32	5.1		U
123-91-1	1,4-Dioxane	0.51	41		U
100-41-4	Ethylbenzene	0.76	5.1		U
97-63-2	Ethyl methacrylate	0.26	5.1		U
591-78-6	2-Hexanone	2.3	25		U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-DPB5-S10

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.V09069

Matrix: (soil/water) SOIL Lab Sample ID: 0609069-06

Sample wt/vol: 5.0 (g/mL) G Lab File ID: 0906906A

Level: (low/med) LOW Date Sampled: 09/12/06 15:40

% Moisture: not dec. 3 Date Analyzed: 09/18/06 17:10

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	MDL	RL	CONC	Q
74-88-4	Iodomethane	0.84	25		U
78-83-1	Isobutyl alcohol	0.51	41		U
98-82-8	Isopropylbenzene	0.90	5.1		U
79-20-9	Methyl acetate	1.6	5.1		U
126-98-7	Methacrylonitrile	0.51	20		U
108-87-2	Methyl cyclohexane	0.30	5.1		U
75-09-2	Methylene chloride	0.63	10		U
80-62-6	Methyl methacrylate	0.46	5.1		U
1634-04-4	MTBE	0.32	5.1		U
108-10-1	4-Methyl-2-pentanone	0.59	25		U
107-12-0	Propionitrile	0.51	20		U
100-42-5	Styrene	0.36	5.1		U
630-20-6	1,1,1,2-Tetrachloroethane	0.32	5.1		U
79-34-5	1,1,2,2-Tetrachloroethane	0.44	5.1		U
127-18-4	Tetrachloroethene	0.99	5.1		U
108-88-3	Toluene	0.88	5.1		U
87-61-6	1,2,3-Trichlorobenzene	0.43	5.1		U
120-82-1	1,2,4-Trichlorobenzene	0.18	5.1		U
71-55-6	1,1,1-Trichloroethane	0.92	5.1		U
79-00-5	1,1,2-Trichloroethane	0.36	5.1		U
79-01-6	Trichloroethene	0.86	5.1		U
76-13-1	Trichlorotrifluoroethane	0.56	5.1		U
75-69-4	Trichlorofluoromethane	0.97	10		U
96-18-4	1,2,3-Trichloropropane	0.71	5.1		U
108-05-4	Vinyl acetate	0.56	25		U
75-01-4	Vinyl chloride	1.1	7.1		U
108-38-3	m,p-Xylene	1.5	5.1		U
95-47-6	o-Xylene	0.71	5.1		U
1330-20-7	Xylene(total)	0.71	5.1		U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-DPB6-S10

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.V09069

Matrix: (soil/water) SOIL Lab Sample ID: 0609069-07

Sample wt/vol: 5.3 (g/mL) G Lab File ID: 0906907A

Level: (low/med) LOW Date Sampled: 09/12/06 16:00

% Moisture: not dec. 3 Date Analyzed: 09/18/06 17:47

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) MDL	RL	CONC	UG/KG Q
67-64-1	Acetone	1.9	48		U
75-05-8	Acetonitrile	0.48	19		U
107-02-8	Acrolein	5.0	24		U
107-13-1	Acrylonitrile	1.4	24		U
107-05-1	Allyl chloride	0.48	4.8		U
71-43-2	Benzene	0.45	4.8		U
75-27-4	Bromodichloromethane	0.29	4.8		U
75-25-2	Bromoform	0.96	4.8		U
74-83-9	Bromomethane	0.69	9.6		U
78-93-3	2-Butanone	1.4	48		U
75-15-0	Carbon disulfide	1.2	4.8		U
56-23-5	Carbon tetrachloride	0.85	4.8		U
108-90-7	Chlorobenzene	2.4	4.8		U
75-00-3	Chloroethane	1.1	9.6		U
67-66-3	Chloroform	0.53	4.8		U
74-87-3	Chloromethane	0.50	9.6		U
126-99-8	Chloroprene	0.48	4.8		U
110-82-7	Cyclohexane	0.52	9.6		U
124-48-1	Dibromochloromethane	0.33	4.8		U
96-12-8	1,2-Dibromo-3-chloropropane	1.2	9.6		U
106-93-4	1,2-Dibromoethane	0.41	4.8		U
74-95-3	Dibromomethane	0.40	4.8		U
95-50-1	1,2-Dichlorobenzene	0.36	4.8		U
541-73-1	1,3-Dichlorobenzene	0.81	4.8		U
106-46-7	1,4-Dichlorobenzene	0.53	4.8		U
110-57-6	trans-1,4-Dichloro-2-butene	7.7	24		U
75-71-8	Dichlorodifluoromethane	1.1	9.6		U
75-34-3	1,1-Dichloroethane	0.52	4.8		U
107-06-2	1,2-Dichloroethane	0.44	4.8		U
75-35-4	1,1-Dichloroethene	1.2	4.8		U
156-59-2	cis-1,2-Dichloroethene	1.2	4.8		U
156-60-5	trans-1,2-Dichloroethene	1.1	4.8		U
78-87-5	1,2-Dichloropropane	0.44	4.8		U
10061-01-5	cis-1,3-Dichloropropene	0.48	4.8		U
10061-02-6	trans-1,3-Dichloropropene	0.31	4.8		U
123-91-1	1,4-Dioxane	0.48	38		U
100-41-4	Ethylbenzene	0.72	4.8		U
97-63-2	Ethyl methacrylate	0.25	4.8		U
591-78-6	2-Hexanone	2.2	24		U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-DPB6-S10

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.V09069

Matrix: (soil/water) SOIL Lab Sample ID: 0609069-07

Sample wt/vol: 5.3 (g/mL) G Lab File ID: 0906907A

Level: (low/med) LOW Date Sampled: 09/12/06 16:00

% Moisture: not dec. 3 Date Analyzed: 09/18/06 17:47

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG MDL	RL	CONC	Q
74-88-4	Iodomethane	0.80	24		U
78-83-1	Isobutyl alcohol	0.48	38		U
98-82-8	Isopropylbenzene	0.85	4.8		U
79-20-9	Methyl acetate	1.5	4.8		U
126-98-7	Methacrylonitrile	0.48	19		U
108-87-2	Methyl cyclohexane	0.29	4.8		U
75-09-2	Methylene chloride	0.60	9.6		U
80-62-6	Methyl methacrylate	0.43	4.8		U
1634-04-4	MTBE	0.31	4.8		U
108-10-1	4-Methyl-2-pentanone	0.56	24		U
107-12-0	Propionitrile	0.48	19		U
100-42-5	Styrene	0.34	4.8		U
630-20-6	1,1,1,2-Tetrachloroethane	0.31	4.8		U
79-34-5	1,1,2,2-Tetrachloroethane	0.41	4.8		U
127-18-4	Tetrachloroethene	0.94	4.8		U
108-88-3	Toluene	0.83	4.8		U
87-61-6	1,2,3-Trichlorobenzene	0.40	4.8		U
120-82-1	1,2,4-Trichlorobenzene	0.17	4.8		U
71-55-6	1,1,1-Trichloroethane	0.87	4.8		U
79-00-5	1,1,2-Trichloroethane	0.34	4.8		U
79-01-6	Trichloroethene	0.82	4.8		U
76-13-1	Trichlorotrifluoroethane	0.53	4.8		U
75-69-4	Trichlorofluoromethane	0.92	9.6		U
96-18-4	1,2,3-Trichloropropane	0.68	4.8		U
108-05-4	Vinyl acetate	0.53	24		U
75-01-4	Vinyl chloride	1.1	6.8		U
108-38-3	m,p-Xylene	1.4	4.8		U
95-47-6	o-Xylene	0.68	4.8		U
1330-20-7	Xylene(total)	0.68	4.8		U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-DPB7-S10

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.V09069

Matrix: (soil/water) SOIL Lab Sample ID: 0609069-08

Sample wt/vol: 5.3 (g/mL) G Lab File ID: 0906908A

Level: (low/med) LOW Date Sampled: 09/12/06 16:18

% Moisture: not dec. 2 Date Analyzed: 09/18/06 18:23

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) MDL	RL	CONC	UG/KG Q
67-64-1	Acetone	1.9	48		U
75-05-8	Acetonitrile	0.48	19		U
107-02-8	Acrolein	5.0	24		U
107-13-1	Acrylonitrile	1.3	24		U
107-05-1	Allyl chloride	0.48	4.8		U
71-43-2	Benzene	0.45	4.8		U
75-27-4	Bromodichloromethane	0.29	4.8		U
75-25-2	Bromoform	0.95	4.8		U
74-83-9	Bromomethane	0.69	9.5		U
78-93-3	2-Butanone	1.3	48		U
75-15-0	Carbon disulfide	1.2	4.8		U
56-23-5	Carbon tetrachloride	0.84	4.8		U
108-90-7	Chlorobenzene	2.4	4.8		U
75-00-3	Chloroethane	1.0	9.5		U
67-66-3	Chloroform	0.52	4.8		U
74-87-3	Chloromethane	0.50	9.5		U
126-99-8	Chloroprene	0.48	4.8		U
110-82-7	Cyclohexane	0.51	9.5		U
124-48-1	Dibromochloromethane	0.32	4.8		U
96-12-8	1,2-Dibromo-3-chloropropane	1.1	9.5		U
106-93-4	1,2-Dibromoethane	0.41	4.8		U
74-95-3	Dibromomethane	0.39	4.8		U
95-50-1	1,2-Dichlorobenzene	0.35	4.8		U
541-73-1	1,3-Dichlorobenzene	0.80	4.8		U
106-46-7	1,4-Dichlorobenzene	0.52	4.8		U
110-57-6	trans-1,4-Dichloro-2-butene	7.6	24		U
75-71-8	Dichlorodifluoromethane	1.0	9.5		U
75-34-3	1,1-Dichloroethane	0.51	4.8		U
107-06-2	1,2-Dichloroethane	0.44	4.8		U
75-35-4	1,1-Dichloroethene	1.1	4.8		U
156-59-2	cis-1,2-Dichloroethene	1.1	4.8		U
156-60-5	trans-1,2-Dichloroethene	1.0	4.8		U
78-87-5	1,2-Dichloropropane	0.44	4.8		U
10061-01-5	cis-1,3-Dichloropropene	0.48	4.8		U
10061-02-6	trans-1,3-Dichloropropene	0.30	4.8		U
123-91-1	1,4-Dioxane	0.48	38		U
100-41-4	Ethylbenzene	0.72	4.8		U
97-63-2	Ethyl methacrylate	0.25	4.8		U
591-78-6	2-Hexanone	2.2	24		U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-DPB7-S10

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.V09069

Matrix: (soil/water) SOIL Lab Sample ID: 0609069-08

Sample wt/vol: 5.3 (g/mL) G Lab File ID: 0906908A

Level: (low/med) LOW Date Sampled: 09/12/06 16:18

% Moisture: not dec. 2 Date Analyzed: 09/18/06 18:23

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) MDL	RL	CONC	UG/KG Q
74-88-4	Iodomethane	0.79	24		U
78-83-1	Isobutyl alcohol	0.48	38		U
98-82-8	Isopropylbenzene	0.84	4.8		U
79-20-9	Methyl acetate	1.5	4.8		U
126-98-7	Methacrylonitrile	0.48	19		U
108-87-2	Methyl cyclohexane	0.29	4.8		U
75-09-2	Methylene chloride	0.59	9.5		U
80-62-6	Methyl methacrylate	0.43	4.8		U
1634-04-4	MTBE	0.30	4.8		U
108-10-1	4-Methyl-2-pentanone	0.55	24		U
107-12-0	Propionitrile	0.48	19		U
100-42-5	Styrene	0.33	4.8		U
630-20-6	1,1,1,2-Tetrachloroethane	0.30	4.8		U
79-34-5	1,1,2,2-Tetrachloroethane	0.41	4.8		U
127-18-4	Tetrachloroethene	0.92	4.8		U
108-88-3	Toluene	0.82	4.8		U
87-61-6	1,2,3-Trichlorobenzene	0.40	4.8		U
120-82-1	1,2,4-Trichlorobenzene	0.17	4.8		U
71-55-6	1,1,1-Trichloroethane	0.86	4.8		U
79-00-5	1,1,2-Trichloroethane	0.33	4.8		U
79-01-6	Trichloroethene	0.81	4.8		U
76-13-1	Trichlorotrifluoroethane	0.52	4.8		U
75-69-4	Trichlorofluoromethane	0.90	9.5		U
96-18-4	1,2,3-Trichloropropane	0.67	4.8		U
108-05-4	Vinyl acetate	0.52	24		U
75-01-4	Vinyl chloride	1.0	6.7		U
108-38-3	m,p-Xylene	1.4	4.8		U
95-47-6	o-Xylene	0.67	4.8		U
1330-20-7	Xylene(total)	0.67	4.8		U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-DPB8-S10

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.V09069

Matrix: (soil/water) SOIL Lab Sample ID: 0609069-09

Sample wt/vol: 5.7 (g/mL) G Lab File ID: 0906909A

Level: (low/med) LOW Date Sampled: 09/12/06 16:35

% Moisture: not dec. 8 Date Analyzed: 09/18/06 19:00

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG MDL	RL	CONC	Q
67-64-1	Acetone	1.9	48		U
75-05-8	Acetonitrile	0.48	19		U
107-02-8	Acrolein	5.0	24		U
107-13-1	Acrylonitrile	1.3	24		U
107-05-1	Allyl chloride	0.48	4.8		U
71-43-2	Benzene	0.45	4.8		U
75-27-4	Bromodichloromethane	0.29	4.8		U
75-25-2	Bromoform	0.96	4.8		U
74-83-9	Bromomethane	0.69	9.6		U
78-93-3	2-Butanone	1.3	48		U
75-15-0	Carbon disulfide	1.2	4.8		U
56-23-5	Carbon tetrachloride	0.84	4.8		U
108-90-7	Chlorobenzene	2.4	4.8		U
75-00-3	Chloroethane	1.0	9.6		U
67-66-3	Chloroform	0.53	4.8		U
74-87-3	Chloromethane	0.50	9.6		U
126-99-8	Chloroprene	0.48	4.8		U
110-82-7	Cyclohexane	0.52	9.6		U
124-48-1	Dibromochloromethane	0.33	4.8		U
96-12-8	1,2-Dibromo-3-chloropropane	1.2	9.6		U
106-93-4	1,2-Dibromoethane	0.41	4.8		U
74-95-3	Dibromomethane	0.39	4.8		U
95-50-1	1,2-Dichlorobenzene	0.35	4.8		U
541-73-1	1,3-Dichlorobenzene	0.80	4.8		U
106-46-7	1,4-Dichlorobenzene	0.53	4.8		U
110-57-6	trans-1,4-Dichloro-2-butene	7.7	24		U
75-71-8	Dichlorodifluoromethane	1.0	9.6		U
75-34-3	1,1-Dichloroethane	0.52	4.8		U
107-06-2	1,2-Dichloroethane	0.44	4.8		U
75-35-4	1,1-Dichloroethene	1.2	4.8		U
156-59-2	cis-1,2-Dichloroethene	1.2	4.8		U
156-60-5	trans-1,2-Dichloroethene	1.0	4.8		U
78-87-5	1,2-Dichloropropane	0.44	4.8		U
10061-01-5	cis-1,3-Dichloropropene	0.48	4.8		U
10061-02-6	trans-1,3-Dichloropropene	0.31	4.8		U
123-91-1	1,4-Dioxane	0.48	38		U
100-41-4	Ethylbenzene	0.72	4.8		U
97-63-2	Ethyl methacrylate	0.25	4.8		U
591-78-6	2-Hexanone	2.2	24		U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-DPB8-S10

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.V09069

Matrix: (soil/water) SOIL Lab Sample ID: 0609069-09

Sample wt/vol: 5.7 (g/mL) G Lab File ID: 0906909A

Level: (low/med) LOW Date Sampled: 09/12/06 16:35

% Moisture: not dec. 8 Date Analyzed: 09/18/06 19:00

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) MDL	RL	UG/KG CONC	Q
74-88-4	Iodomethane	0.80	24		U
78-83-1	Isobutyl alcohol	0.48	38		U
98-82-8	Isopropylbenzene	0.84	4.8		U
79-20-9	Methyl acetate	1.5	4.8		U
126-98-7	Methacrylonitrile	0.48	19		U
108-87-2	Methyl cyclohexane	0.29	4.8		U
75-09-2	Methylene chloride	0.59	9.6		U
80-62-6	Methyl methacrylate	0.43	4.8		U
1634-04-4	MTBE	0.31	4.8		U
108-10-1	4-Methyl-2-pentanone	0.56	24		U
107-12-0	Propionitrile	0.48	19		U
100-42-5	Styrene	0.34	4.8		U
630-20-6	1,1,1,2-Tetrachloroethane	0.31	4.8		U
79-34-5	1,1,2,2-Tetrachloroethane	0.41	4.8		U
127-18-4	Tetrachloroethene	0.93	4.8		U
108-88-3	Toluene	0.82	4.8		U
87-61-6	1,2,3-Trichlorobenzene	0.40	4.8		U
120-82-1	1,2,4-Trichlorobenzene	0.17	4.8		U
71-55-6	1,1,1-Trichloroethane	0.86	4.8		U
79-00-5	1,1,2-Trichloroethane	0.34	4.8		U
79-01-6	Trichloroethene	0.82	4.8		U
76-13-1	Trichlorotrifluoroethane	0.53	4.8		U
75-69-4	Trichlorofluoromethane	0.91	9.6		U
96-18-4	1,2,3-Trichloropropane	0.67	4.8		U
108-05-4	Vinyl acetate	0.53	24		U
75-01-4	Vinyl chloride	1.0	6.7		U
108-38-3	m,p-Xylene	1.4	4.8		U
95-47-6	o-Xylene	0.67	4.8		U
1330-20-7	Xylene(total)	0.67	4.8		U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-DPB9-S10

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.V09069

Matrix: (soil/water) SOIL Lab Sample ID: 0609069-10

Sample wt/vol: 5.3 (g/mL) G Lab File ID: 0906910A

Level: (low/med) LOW Date Sampled: 09/12/06 16:50

% Moisture: not dec. 3 Date Analyzed: 09/19/06 13:47

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) MDL	RL	CONC	UG/KG Q
67-64-1	Acetone	1.9	48		U
75-05-8	Acetonitrile	0.48	19		U
107-02-8	Acrolein	5.0	24		U
107-13-1	Acrylonitrile	1.4	24		U
107-05-1	Allyl chloride	0.48	4.8		U
71-43-2	Benzene	0.45	4.8		U
75-27-4	Bromodichloromethane	0.29	4.8		U
75-25-2	Bromoform	0.97	4.8		U
74-83-9	Bromomethane	0.70	9.7		U
78-93-3	2-Butanone	1.4	48		U
75-15-0	Carbon disulfide	1.2	4.8		U
56-23-5	Carbon tetrachloride	0.85	4.8		U
108-90-7	Chlorobenzene	2.4	4.8		U
75-00-3	Chloroethane	1.1	9.7		U
67-66-3	Chloroform	0.53	4.8		U
74-87-3	Chloromethane	0.50	9.7		U
126-99-8	Chloroprene	0.48	4.8		U
110-82-7	Cyclohexane	0.52	9.7		U
124-48-1	Dibromochloromethane	0.33	4.8		U
96-12-8	1,2-Dibromo-3-chloropropane	1.2	9.7		U
106-93-4	1,2-Dibromoethane	0.42	4.8		U
74-95-3	Dibromomethane	0.40	4.8		U
95-50-1	1,2-Dichlorobenzene	0.36	4.8		U
541-73-1	1,3-Dichlorobenzene	0.81	4.8		U
106-46-7	1,4-Dichlorobenzene	0.53	4.8		U
110-57-6	trans-1,4-Dichloro-2-butene	7.7	24		U
75-71-8	Dichlorodifluoromethane	1.1	9.7		U
75-34-3	1,1-Dichloroethane	0.52	4.8		U
107-06-2	1,2-Dichloroethane	0.44	4.8		U
75-35-4	1,1-Dichloroethene	1.2	4.8		U
156-59-2	cis-1,2-Dichloroethene	1.2	4.8		U
156-60-5	trans-1,2-Dichloroethene	1.1	4.8		U
78-87-5	1,2-Dichloropropane	0.44	4.8		U
10061-01-5	cis-1,3-Dichloropropene	0.48	4.8		U
10061-02-6	trans-1,3-Dichloropropene	0.31	4.8		U
123-91-1	1,4-Dioxane	0.48	39		U
100-41-4	Ethylbenzene	0.72	4.8		U
97-63-2	Ethyl methacrylate	0.25	4.8		U
591-78-6	2-Hexanone	2.2	24		U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-DPB9-S10

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.V09069

Matrix: (soil/water) SOIL Lab Sample ID: 0609069-10

Sample wt/vol: 5.3 (g/mL) G Lab File ID: 0906910A

Level: (low/med) LOW Date Sampled: 09/12/06 16:50

% Moisture: not dec. 3 Date Analyzed: 09/19/06 13:47

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	MDL	RL	CONC	Q
74-88-4	Iodomethane	0.80	24		U
78-83-1	Isobutyl alcohol	0.48	39		U
98-82-8	Isopropylbenzene	0.85	4.8		U
79-20-9	Methyl acetate	1.5	4.8		U
126-98-7	Methacrylonitrile	0.48	19		U
108-87-2	Methyl cyclohexane	0.29	4.8		U
75-09-2	Methylene chloride	0.60	9.7		U
80-62-6	Methyl methacrylate	0.43	4.8		U
1634-04-4	MTBE	0.31	4.8		U
108-10-1	4-Methyl-2-pentanone	0.56	24		U
107-12-0	Propionitrile	0.48	19		U
100-42-5	Styrene	0.34	4.8		U
630-20-6	1,1,1,2-Tetrachloroethane	0.31	4.8		U
79-34-5	1,1,2,2-Tetrachloroethane	0.42	4.8		U
127-18-4	Tetrachloroethene	0.94	4.8		U
108-88-3	Toluene	0.83	4.8		U
87-61-6	1,2,3-Trichlorobenzene	0.40	4.8		U
120-82-1	1,2,4-Trichlorobenzene	0.17	4.8		U
71-55-6	1,1,1-Trichloroethane	0.87	4.8		U
79-00-5	1,1,2-Trichloroethane	0.34	4.8		U
79-01-6	Trichloroethene	0.82	4.8		U
76-13-1	Trichlorotrifluoroethane	0.53	4.8		U
75-69-4	Trichlorofluoromethane	0.92	9.7		U
96-18-4	1,2,3-Trichloropropane	0.68	4.8		U
108-05-4	Vinyl acetate	0.53	24		U
75-01-4	Vinyl chloride	1.1	6.8		U
108-38-3	m,p-Xylene	1.4	4.8		U
95-47-6	o-Xylene	0.68	4.8		U
1330-20-7	Xylene(total)	0.68	4.8		U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-DPB10-S10

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.V09069

Matrix: (soil/water) SOIL Lab Sample ID: 0609069-11

Sample wt/vol: 5.4 (g/mL) G Lab File ID: 0906911A

Level: (low/med) LOW Date Sampled: 09/12/06 17:00

% Moisture: not dec. 3 Date Analyzed: 09/19/06 14:24

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) MDL	RL	CONC	UG/KG Q
67-64-1	Acetone	1.9	48		U
75-05-8	Acetonitrile	0.48	19		U
107-02-8	Acrolein	4.9	24		U
107-13-1	Acrylonitrile	1.3	24		U
107-05-1	Allyl chloride	0.48	4.8		U
71-43-2	Benzene	0.45	4.8		U
75-27-4	Bromodichloromethane	0.28	4.8		U
75-25-2	Bromoform	0.95	4.8		U
74-83-9	Bromomethane	0.68	9.5		U
78-93-3	2-Butanone	1.3	48		U
75-15-0	Carbon disulfide	1.2	4.8		U
56-23-5	Carbon tetrachloride	0.84	4.8		U
108-90-7	Chlorobenzene	2.4	4.8		U
75-00-3	Chloroethane	1.0	9.5		U
67-66-3	Chloroform	0.52	4.8		U
74-87-3	Chloromethane	0.49	9.5		U
126-99-8	Chloroprene	0.48	4.8		U
110-82-7	Cyclohexane	0.51	9.5		U
124-48-1	Dibromochloromethane	0.32	4.8		U
96-12-8	1,2-Dibromo-3-chloropropane	1.1	9.5		U
106-93-4	1,2-Dibromoethane	0.41	4.8		U
74-95-3	Dibromomethane	0.39	4.8		U
95-50-1	1,2-Dichlorobenzene	0.35	4.8		U
541-73-1	1,3-Dichlorobenzene	0.80	4.8		U
106-46-7	1,4-Dichlorobenzene	0.52	4.8		U
110-57-6	trans-1,4-Dichloro-2-butene	7.6	24		U
75-71-8	Dichlorodifluoromethane	1.0	9.5		U
75-34-3	1,1-Dichloroethane	0.51	4.8		U
107-06-2	1,2-Dichloroethane	0.44	4.8		U
75-35-4	1,1-Dichloroethene	1.1	4.8		U
156-59-2	cis-1,2-Dichloroethene	1.1	4.8		U
156-60-5	trans-1,2-Dichloroethene	1.0	4.8		U
78-87-5	1,2-Dichloropropane	0.44	4.8		U
10061-01-5	cis-1,3-Dichloropropene	0.48	4.8		U
10061-02-6	trans-1,3-Dichloropropene	0.30	4.8		U
123-91-1	1,4-Dioxane	0.48	38		U
100-41-4	Ethylbenzene	0.71	4.8		U
97-63-2	Ethyl methacrylate	0.25	4.8		U
591-78-6	2-Hexanone	2.2	24		U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-DPB10-S10

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.V09069

Matrix: (soil/water) SOIL Lab Sample ID: 0609069-11

Sample wt/vol: 5.4 (g/mL) G Lab File ID: 0906911A

Level: (low/med) LOW Date Sampled: 09/12/06 17:00

% Moisture: not dec. 3 Date Analyzed: 09/19/06 14:24

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) MDL	RL	UG/KG CONC	Q
74-88-4	Iodomethane	0.79	24		U
78-83-1	Isobutyl alcohol	0.48	38		U
98-82-8	Isopropylbenzene	0.84	4.8		U
79-20-9	Methyl acetate	1.5	4.8		U
126-98-7	Methacrylonitrile	0.48	19		U
108-87-2	Methyl cyclohexane	0.28	4.8		U
75-09-2	Methylene chloride	0.59	9.5		U
80-62-6	Methyl methacrylate	0.43	4.8		U
1634-04-4	MTBE	0.30	4.8		U
108-10-1	4-Methyl-2-pentanone	0.55	24		U
107-12-0	Propionitrile	0.48	19		U
100-42-5	Styrene	0.33	4.8		U
630-20-6	1,1,1,2-Tetrachloroethane	0.30	4.8		U
79-34-5	1,1,2,2-Tetrachloroethane	0.41	4.8		U
127-18-4	Tetrachloroethene	0.92	4.8		U
108-88-3	Toluene	0.82	4.8		U
87-61-6	1,2,3-Trichlorobenzene	0.40	4.8		U
120-82-1	1,2,4-Trichlorobenzene	0.17	4.8		U
71-55-6	1,1,1-Trichloroethane	0.86	4.8		U
79-00-5	1,1,2-Trichloroethane	0.33	4.8		U
79-01-6	Trichloroethene	0.81	4.8		U
76-13-1	Trichlorotrifluoroethane	0.52	4.8		U
75-69-4	Trichlorofluoromethane	0.90	9.5		U
96-18-4	1,2,3-Trichloropropane	0.66	4.8		U
108-05-4	Vinyl acetate	0.52	24		U
75-01-4	Vinyl chloride	1.0	6.6		U
108-38-3	m,p-Xylene	1.4	4.8		U
95-47-6	o-Xylene	0.66	4.8		U
1330-20-7	Xylene(total)	0.66	4.8		U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-DPW18-S12

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.V09069

Matrix: (soil/water) SOIL Lab Sample ID: 0609069-12

Sample wt/vol: 5.5 (g/mL) G Lab File ID: 0906912A

Level: (low/med) LOW Date Sampled: 09/12/06 07:57

% Moisture: not dec. 8 Date Analyzed: 09/19/06 15:00

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) MDL	RL	CONC	UG/KG Q
67-64-1	Acetone	2.0	50		U
75-05-8	Acetonitrile	0.50	20		U
107-02-8	Acrolein	5.2	25		U
107-13-1	Acrylonitrile	1.4	25		U
107-05-1	Allyl chloride	0.50	5.0		U
71-43-2	Benzene	0.47	5.0		U
75-27-4	Bromodichloromethane	0.30	5.0		U
75-25-2	Bromoform	0.99	5.0		U
74-83-9	Bromomethane	0.71	9.9		U
78-93-3	2-Butanone	1.4	50		U
75-15-0	Carbon disulfide	1.3	5.0		U
56-23-5	Carbon tetrachloride	0.87	5.0		U
108-90-7	Chlorobenzene	2.5	5.0		U
75-00-3	Chloroethane	1.1	9.9		U
67-66-3	Chloroform	0.55	5.0		U
74-87-3	Chloromethane	0.52	9.9		U
126-99-8	Chloroprene	0.50	5.0		U
110-82-7	Cyclohexane	0.54	9.9		U
124-48-1	Dibromochloromethane	0.34	5.0		U
96-12-8	1,2-Dibromo-3-chloropropane	1.2	9.9		U
106-93-4	1,2-Dibromoethane	0.43	5.0		U
74-95-3	Dibromomethane	0.41	5.0		U
95-50-1	1,2-Dichlorobenzene	0.37	5.0		U
541-73-1	1,3-Dichlorobenzene	0.83	5.0		U
106-46-7	1,4-Dichlorobenzene	0.55	5.0		U
110-57-6	trans-1,4-Dichloro-2-butene	7.9	25		U
75-71-8	Dichlorodifluoromethane	1.1	9.9		U
75-34-3	1,1-Dichloroethane	0.54	5.0		U
107-06-2	1,2-Dichloroethane	0.46	5.0		U
75-35-4	1,1-Dichloroethene	1.2	5.0		U
156-59-2	cis-1,2-Dichloroethene	1.2	5.0		U
156-60-5	trans-1,2-Dichloroethene	1.1	5.0		U
78-87-5	1,2-Dichloropropane	0.46	5.0		U
10061-01-5	cis-1,3-Dichloropropene	0.50	5.0		U
10061-02-6	trans-1,3-Dichloropropene	0.32	5.0		U
123-91-1	1,4-Dioxane	0.50	40		U
100-41-4	Ethylbenzene	0.74	5.0		U
97-63-2	Ethyl methacrylate	0.26	5.0		U
591-78-6	2-Hexanone	2.3	25		U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-DPW18-S12

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.V09069

Matrix: (soil/water) SOIL Lab Sample ID: 0609069-12

Sample wt/vol: 5.5 (g/mL) G Lab File ID: 0906912A

Level: (low/med) LOW Date Sampled: 09/12/06 07:57

% Moisture: not dec. 8 Date Analyzed: 09/19/06 15:00

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) MDL	RL	CONC	UG/KG Q
74-88-4	Iodomethane	0.82	25		U
78-83-1	Isobutyl alcohol	0.50	40		U
98-82-8	Isopropylbenzene	0.87	5.0		U
79-20-9	Methyl acetate	1.6	5.0		U
126-98-7	Methacrylonitrile	0.50	20		U
108-87-2	Methyl cyclohexane	0.30	5.0		U
75-09-2	Methylene chloride	0.62	9.9		U
80-62-6	Methyl methacrylate	0.45	5.0		U
1634-04-4	MTBE	0.32	5.0		U
108-10-1	4-Methyl-2-pentanone	0.58	25		U
107-12-0	Propionitrile	0.50	20		U
100-42-5	Styrene	0.35	5.0		U
630-20-6	1,1,1,2-Tetrachloroethane	0.32	5.0		U
79-34-5	1,1,2,2-Tetrachloroethane	0.43	5.0		U
127-18-4	Tetrachloroethene	0.96	5.0		U
108-88-3	Toluene	0.85	5.0		U
87-61-6	1,2,3-Trichlorobenzene	0.42	5.0		U
120-82-1	1,2,4-Trichlorobenzene	0.18	5.0		U
71-55-6	1,1,1-Trichloroethane	0.89	5.0		U
79-00-5	1,1,2-Trichloroethane	0.35	5.0		U
79-01-6	Trichloroethene	0.84	5.0		U
76-13-1	Trichlorotrifluoroethane	0.55	5.0		U
75-69-4	Trichlorofluoromethane	0.94	9.9		U
96-18-4	1,2,3-Trichloropropane	0.70	5.0		U
108-05-4	Vinyl acetate	0.55	25		U
75-01-4	Vinyl chloride	1.1	7.0		U
108-38-3	m,p-Xylene	1.5	5.0		U
95-47-6	o-Xylene	0.70	5.0		U
1330-20-7	Xylene(total)	0.70	5.0		U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-DPW19-S12

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.V09069

Matrix: (soil/water) SOIL Lab Sample ID: 0609069-13

Sample wt/vol: 5.7 (g/mL) G Lab File ID: 0906913A

Level: (low/med) LOW Date Sampled: 09/12/06 08:19

% Moisture: not dec. 7 Date Analyzed: 09/19/06 15:36

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG MDL	RL	CONC	Q
67-64-1	Acetone	1.9	48		U
75-05-8	Acetonitrile	0.48	19		U
107-02-8	Acrolein	5.0	24		U
107-13-1	Acrylonitrile	1.3	24		U
107-05-1	Allyl chloride	0.48	4.8		U
71-43-2	Benzene	0.45	4.8		U
75-27-4	Bromodichloromethane	0.28	4.8		U
75-25-2	Bromoform	0.95	4.8		U
74-83-9	Bromomethane	0.68	9.5		U
78-93-3	2-Butanone	1.3	48		U
75-15-0	Carbon disulfide	1.2	4.8		U
56-23-5	Carbon tetrachloride	0.84	4.8		U
108-90-7	Chlorobenzene	2.4	4.8		U
75-00-3	Chloroethane	1.0	9.5		U
67-66-3	Chloroform	0.52	4.8		U
74-87-3	Chloromethane	0.50	9.5		U
126-99-8	Chloroprene	0.48	4.8		U
110-82-7	Cyclohexane	0.51	9.5		U
124-48-1	Dibromochloromethane	0.32	4.8		U
96-12-8	1,2-Dibromo-3-chloropropane	1.1	9.5		U
106-93-4	1,2-Dibromoethane	0.41	4.8		U
74-95-3	Dibromomethane	0.39	4.8		U
95-50-1	1,2-Dichlorobenzene	0.35	4.8		U
541-73-1	1,3-Dichlorobenzene	0.80	4.8		U
106-46-7	1,4-Dichlorobenzene	0.52	4.8		U
110-57-6	trans-1,4-Dichloro-2-butene	7.6	24		U
75-71-8	Dichlorodifluoromethane	1.0	9.5		U
75-34-3	1,1-Dichloroethane	0.51	4.8		U
107-06-2	1,2-Dichloroethane	0.44	4.8		U
75-35-4	1,1-Dichloroethene	1.1	4.8		U
156-59-2	cis-1,2-Dichloroethene	1.1	4.8		U
156-60-5	trans-1,2-Dichloroethene	1.0	4.8		U
78-87-5	1,2-Dichloropropane	0.44	4.8		U
10061-01-5	cis-1,3-Dichloropropene	0.48	4.8		U
10061-02-6	trans-1,3-Dichloropropene	0.30	4.8		U
123-91-1	1,4-Dioxane	0.48	38		U
100-41-4	Ethylbenzene	0.71	4.8		U
97-63-2	Ethyl methacrylate	0.25	4.8		U
591-78-6	2-Hexanone	2.2	24		U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-DPW19-S12

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.V09069

Matrix: (soil/water) SOIL Lab Sample ID: 0609069-13

Sample wt/vol: 5.7 (g/mL) G Lab File ID: 0906913A

Level: (low/med) LOW Date Sampled: 09/12/06 08:19

% Moisture: not dec. 7 Date Analyzed: 09/19/06 15:36

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) MDL	RL	CONC	UG/KG Q
74-88-4	Iodomethane	0.79	24		U
78-83-1	Isobutyl alcohol	0.48	38		U
98-82-8	Isopropylbenzene	0.84	4.8		U
79-20-9	Methyl acetate	1.5	4.8		U
126-98-7	Methacrylonitrile	0.48	19		U
108-87-2	Methyl cyclohexane	0.28	4.8		U
75-09-2	Methylene chloride	0.59	9.5		U
80-62-6	Methyl methacrylate	0.43	4.8		U
1634-04-4	MTBE	0.30	4.8		U
108-10-1	4-Methyl-2-pentanone	0.55	24		U
107-12-0	Propionitrile	0.48	19		U
100-42-5	Styrene	0.33	4.8		U
630-20-6	1,1,1,2-Tetrachloroethane	0.30	4.8		U
79-34-5	1,1,2,2-Tetrachloroethane	0.41	4.8		U
127-18-4	Tetrachloroethene	0.92	4.8		U
108-88-3	Toluene	0.82	4.8		U
87-61-6	1,2,3-Trichlorobenzene	0.40	4.8		U
120-82-1	1,2,4-Trichlorobenzene	0.17	4.8		U
71-55-6	1,1,1-Trichloroethane	0.86	4.8		U
79-00-5	1,1,2-Trichloroethane	0.33	4.8		U
79-01-6	Trichloroethene	0.81	4.8		U
76-13-1	Trichlorotrifluoroethane	0.52	4.8		U
75-69-4	Trichlorofluoromethane	0.90	9.5		U
96-18-4	1,2,3-Trichloropropane	0.67	4.8		U
108-05-4	Vinyl acetate	0.52	24		U
75-01-4	Vinyl chloride	1.0	6.7		U
108-38-3	m,p-Xylene	1.4	4.8		U
95-47-6	o-Xylene	0.67	4.8		U
1330-20-7	Xylene(total)	0.67	4.8		U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-DPW20-S12

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.V09069

Matrix: (soil/water) SOIL Lab Sample ID: 0609069-14

Sample wt/vol: 5.5 (g/mL) G Lab File ID: 0906914A

Level: (low/med) LOW Date Sampled: 09/12/06 08:43

% Moisture: not dec. 7 Date Analyzed: 09/19/06 16:13

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) MDL	RL	CONC	UG/KG Q
67-64-1	Acetone	2.0	49		U
75-05-8	Acetonitrile	0.49	20		U
107-02-8	Acrolein	5.1	24		U
107-13-1	Acrylonitrile	1.4	24		U
107-05-1	Allyl chloride	0.49	4.9		U
71-43-2	Benzene	0.46	4.9		U
75-27-4	Bromodichloromethane	0.29	4.9		U
75-25-2	Bromoform	0.98	4.9		U
74-83-9	Bromomethane	0.70	9.8		U
78-93-3	2-Butanone	1.4	49		U
75-15-0	Carbon disulfide	1.3	4.9		U
56-23-5	Carbon tetrachloride	0.86	4.9		U
108-90-7	Chlorobenzene	2.4	4.9		U
75-00-3	Chloroethane	1.1	9.8		U
67-66-3	Chloroform	0.54	4.9		U
74-87-3	Chloromethane	0.51	9.8		U
126-99-8	Chloroprene	0.49	4.9		U
110-82-7	Cyclohexane	0.53	9.8		U
124-48-1	Dibromochloromethane	0.33	4.9		U
96-12-8	1,2-Dibromo-3-chloropropane	1.2	9.8		U
106-93-4	1,2-Dibromoethane	0.42	4.9		U
74-95-3	Dibromomethane	0.40	4.9		U
95-50-1	1,2-Dichlorobenzene	0.36	4.9		U
541-73-1	1,3-Dichlorobenzene	0.82	4.9		U
106-46-7	1,4-Dichlorobenzene	0.54	4.9		U
110-57-6	trans-1,4-Dichloro-2-butene	7.8	24		U
75-71-8	Dichlorodifluoromethane	1.1	9.8		U
75-34-3	1,1-Dichloroethane	0.53	4.9		U
107-06-2	1,2-Dichloroethane	0.45	4.9		U
75-35-4	1,1-Dichloroethene	1.2	4.9		U
156-59-2	cis-1,2-Dichloroethene	1.2	4.9		U
156-60-5	trans-1,2-Dichloroethene	1.1	4.9		U
78-87-5	1,2-Dichloropropane	0.45	4.9		U
10061-01-5	cis-1,3-Dichloropropene	0.49	4.9		U
10061-02-6	trans-1,3-Dichloropropene	0.31	4.9		U
123-91-1	1,4-Dioxane	0.49	39		U
100-41-4	Ethylbenzene	0.73	4.9		U
97-63-2	Ethyl methacrylate	0.25	4.9		U
591-78-6	2-Hexanone	2.2	24		U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-DPW20-S12

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.V09069

Matrix: (soil/water) SOIL Lab Sample ID: 0609069-14

Sample wt/vol: 5.5 (g/mL) G Lab File ID: 0906914A

Level: (low/med) LOW Date Sampled: 09/12/06 08:43

% Moisture: not dec. 7 Date Analyzed: 09/19/06 16:13

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	MDL	RL	CONC	Q
74-88-4	Iodomethane	0.81	24		U
78-83-1	Isobutyl alcohol	0.49	39		U
98-82-8	Isopropylbenzene	0.86	4.9		U
79-20-9	Methyl acetate	1.6	4.9		U
126-98-7	Methacrylonitrile	0.49	20		U
108-87-2	Methyl cyclohexane	0.29	4.9		U
75-09-2	Methylene chloride	0.61	9.8		U
80-62-6	Methyl methacrylate	0.44	4.9		U
1634-04-4	MTBE	0.31	4.9		U
108-10-1	4-Methyl-2-pentanone	0.57	24		U
107-12-0	Propionitrile	0.49	20		U
100-42-5	Styrene	0.34	4.9		U
630-20-6	1,1,1,2-Tetrachloroethane	0.31	4.9		U
79-34-5	1,1,2,2-Tetrachloroethane	0.42	4.9		U
127-18-4	Tetrachloroethene	0.95	4.9		U
108-88-3	Toluene	0.84	4.9		U
87-61-6	1,2,3-Trichlorobenzene	0.41	4.9		U
120-82-1	1,2,4-Trichlorobenzene	0.18	4.9		U
71-55-6	1,1,1-Trichloroethane	0.88	4.9		U
79-00-5	1,1,2-Trichloroethane	0.34	4.9		U
79-01-6	Trichloroethene	0.83	4.9		U
76-13-1	Trichlorotrifluoroethane	0.54	4.9		U
75-69-4	Trichlorofluoromethane	0.93	9.8		U
96-18-4	1,2,3-Trichloropropane	0.68	4.9		U
108-05-4	Vinyl acetate	0.54	24		U
75-01-4	Vinyl chloride	1.1	6.8		U
108-38-3	m,p-Xylene	1.5	4.9		U
95-47-6	o-Xylene	0.68	4.9		U
1330-20-7	Xylene(total)	0.68	4.9		U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-DPW21-S12

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.V09069

Matrix: (soil/water) SOIL Lab Sample ID: 0609069-15

Sample wt/vol: 5.7 (g/mL) G Lab File ID: 0906915A

Level: (low/med) LOW Date Sampled: 09/12/06 09:15

% Moisture: not dec. 15 Date Analyzed: 09/19/06 16:49

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	MDL	RL	CONC	Q
67-64-1	Acetone	2.1	52		U
75-05-8	Acetonitrile	0.52	21		U
107-02-8	Acrolein	5.4	26		U
107-13-1	Acrylonitrile	1.4	26		U
107-05-1	Allyl chloride	0.52	5.2		U
71-43-2	Benzene	0.49	5.2		U
75-27-4	Bromodichloromethane	0.31	5.2		U
75-25-2	Bromoform	1.0	5.2		U
74-83-9	Bromomethane	0.75	10		U
78-93-3	2-Butanone	1.4	52		U
75-15-0	Carbon disulfide	1.3	5.2		U
56-23-5	Carbon tetrachloride	0.91	5.2		U
108-90-7	Chlorobenzene	2.6	5.2		U
75-00-3	Chloroethane	1.1	10		U
67-66-3	Chloroform	0.57	5.2		U
74-87-3	Chloromethane	0.54	10		U
126-99-8	Chloroprene	0.52	5.2		U
110-82-7	Cyclohexane	0.56	10		U
124-48-1	Dibromochloromethane	0.35	5.2		U
96-12-8	1,2-Dibromo-3-chloropropane	1.2	10		U
106-93-4	1,2-Dibromoethane	0.44	5.2		U
74-95-3	Dibromomethane	0.42	5.2		U
95-50-1	1,2-Dichlorobenzene	0.38	5.2		U
541-73-1	1,3-Dichlorobenzene	0.87	5.2		U
106-46-7	1,4-Dichlorobenzene	0.57	5.2		U
110-57-6	trans-1,4-Dichloro-2-butene	8.3	26		U
75-71-8	Dichlorodifluoromethane	1.1	10		U
75-34-3	1,1-Dichloroethane	0.56	5.2		U
107-06-2	1,2-Dichloroethane	0.48	5.2		U
75-35-4	1,1-Dichloroethene	1.2	5.2		U
156-59-2	cis-1,2-Dichloroethene	1.2	5.2		U
156-60-5	trans-1,2-Dichloroethene	1.1	5.2		U
78-87-5	1,2-Dichloropropane	0.48	5.2		U
10061-01-5	cis-1,3-Dichloropropene	0.52	5.2		U
10061-02-6	trans-1,3-Dichloropropene	0.33	5.2		U
123-91-1	1,4-Dioxane	0.52	41		U
100-41-4	Ethylbenzene	0.78	5.2		U
97-63-2	Ethyl methacrylate	0.27	5.2		U
591-78-6	2-Hexanone	2.4	26		U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-DPW21-S12

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.V09069

Matrix: (soil/water) SOIL Lab Sample ID: 0609069-15

Sample wt/vol: 5.7 (g/mL) G Lab File ID: 0906915A

Level: (low/med) LOW Date Sampled: 09/12/06 09:15

% Moisture: not dec. 15 Date Analyzed: 09/19/06 16:49

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	MDL	RL	CONC	Q
74-88-4	Iodomethane	0.86	26		U
78-83-1	Isobutyl alcohol	0.52	41		U
98-82-8	Isopropylbenzene	0.91	5.2		U
79-20-9	Methyl acetate	1.6	5.2		U
126-98-7	Methacrylonitrile	0.52	21		U
108-87-2	Methyl cyclohexane	0.31	5.2		U
75-09-2	Methylene chloride	0.64	10		U
80-62-6	Methyl methacrylate	0.47	5.2		U
1634-04-4	MTBE	0.33	5.2		U
108-10-1	4-Methyl-2-pentanone	0.60	26		U
107-12-0	Propionitrile	0.52	21		U
100-42-5	Styrene	0.36	5.2		U
630-20-6	1,1,1,2-Tetrachloroethane	0.33	5.2		U
79-34-5	1,1,2,2-Tetrachloroethane	0.44	5.2		U
127-18-4	Tetrachloroethene	1.0	5.2		U
108-88-3	Toluene	0.89	5.2		U
87-61-6	1,2,3-Trichlorobenzene	0.44	5.2		U
120-82-1	1,2,4-Trichlorobenzene	0.19	5.2		U
71-55-6	1,1,1-Trichloroethane	0.93	5.2		U
79-00-5	1,1,2-Trichloroethane	0.36	5.2		U
79-01-6	Trichloroethene	0.88	5.2		U
76-13-1	Trichlorotrifluoroethane	0.57	5.2		U
75-69-4	Trichlorofluoromethane	0.98	10		U
96-18-4	1,2,3-Trichloropropane	0.72	5.2		U
108-05-4	Vinyl acetate	0.57	26		U
75-01-4	Vinyl chloride	1.1	7.2		U
108-38-3	m,p-Xylene	1.6	5.2		U
95-47-6	o-Xylene	0.72	5.2		U
1330-20-7	Xylene(total)	0.72	5.2		U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-DPW23-S26

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.V09069

Matrix: (soil/water) SOIL Lab Sample ID: 0609069-16

Sample wt/vol: 5.2 (g/mL) G Lab File ID: 0906916A

Level: (low/med) LOW Date Sampled: 09/12/06 10:10

% Moisture: not dec. 7 Date Analyzed: 09/19/06 17:26

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) MDL	RL	CONC	UG/KG Q
67-64-1	Acetone	2.1	52		U
75-05-8	Acetonitrile	0.52	21		U
107-02-8	Acrolein	5.4	26		U
107-13-1	Acrylonitrile	1.4	26		U
107-05-1	Allyl chloride	0.52	5.2		U
71-43-2	Benzene	0.49	5.2		U
75-27-4	Bromodichloromethane	0.31	5.2		U
75-25-2	Bromoform	1.0	5.2		U
74-83-9	Bromomethane	0.75	10		U
78-93-3	2-Butanone	1.4	52		U
75-15-0	Carbon disulfide	1.4	5.2		U
56-23-5	Carbon tetrachloride	0.92	5.2		U
108-90-7	Chlorobenzene	2.6	5.2		U
75-00-3	Chloroethane	1.1	10		U
67-66-3	Chloroform	0.57	5.2		U
74-87-3	Chloromethane	0.54	10		U
126-99-8	Chloroprene	0.52	5.2		U
110-82-7	Cyclohexane	0.56	10		U
124-48-1	Dibromochloromethane	0.35	5.2		U
96-12-8	1,2-Dibromo-3-chloropropane	1.2	10		U
106-93-4	1,2-Dibromoethane	0.45	5.2		U
74-95-3	Dibromomethane	0.43	5.2		U
95-50-1	1,2-Dichlorobenzene	0.38	5.2		U
541-73-1	1,3-Dichlorobenzene	0.88	5.2		U
106-46-7	1,4-Dichlorobenzene	0.57	5.2		U
110-57-6	trans-1,4-Dichloro-2-butene	8.3	26		U
75-71-8	Dichlorodifluoromethane	1.1	10		U
75-34-3	1,1-Dichloroethane	0.56	5.2		U
107-06-2	1,2-Dichloroethane	0.48	5.2		U
75-35-4	1,1-Dichloroethene	1.2	5.2		U
156-59-2	cis-1,2-Dichloroethene	1.2	5.2		U
156-60-5	trans-1,2-Dichloroethene	1.1	5.2		U
78-87-5	1,2-Dichloropropane	0.48	5.2		U
10061-01-5	cis-1,3-Dichloropropene	0.52	5.2		U
10061-02-6	trans-1,3-Dichloropropene	0.33	5.2		U
123-91-1	1,4-Dioxane	0.52	42		U
100-41-4	Ethylbenzene	0.78	5.2		U
97-63-2	Ethyl methacrylate	0.27	5.2		U
591-78-6	2-Hexanone	2.4	26		U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-DPW23-S26

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.V09069

Matrix: (soil/water) SOIL Lab Sample ID: 0609069-16

Sample wt/vol: 5.2 (g/mL) G Lab File ID: 0906916A

Level: (low/med) LOW Date Sampled: 09/12/06 10:10

% Moisture: not dec. 7 Date Analyzed: 09/19/06 17:26

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	MDL	RL	CONC	Q
74-88-4	Iodomethane	0.86	26		U
78-83-1	Isobutyl alcohol	0.52	42		U
98-82-8	Isopropylbenzene	0.92	5.2		U
79-20-9	Methyl acetate	1.7	5.2		U
126-98-7	Methacrylonitrile	0.52	21		U
108-87-2	Methyl cyclohexane	0.31	5.2		U
75-09-2	Methylene chloride	0.64	10		U
80-62-6	Methyl methacrylate	0.47	5.2		U
1634-04-4	MTBE	0.33	5.2		U
108-10-1	4-Methyl-2-pentanone	0.60	26		U
107-12-0	Propionitrile	0.52	21		U
100-42-5	Styrene	0.36	5.2		U
630-20-6	1,1,1,2-Tetrachloroethane	0.33	5.2		U
79-34-5	1,1,2,2-Tetrachloroethane	0.45	5.2		U
127-18-4	Tetrachloroethene	1.0	5.2		U
108-88-3	Toluene	0.90	5.2		U
87-61-6	1,2,3-Trichlorobenzene	0.44	5.2		U
120-82-1	1,2,4-Trichlorobenzene	0.19	5.2		U
71-55-6	1,1,1-Trichloroethane	0.94	5.2		U
79-00-5	1,1,2-Trichloroethane	0.36	5.2		U
79-01-6	Trichloroethene	0.88	5.2		U
76-13-1	Trichlorotrifluoroethane	0.57	5.2		U
75-69-4	Trichlorofluoromethane	0.99	10		U
96-18-4	1,2,3-Trichloropropane	0.73	5.2		U
108-05-4	Vinyl acetate	0.57	26		U
75-01-4	Vinyl chloride	1.1	7.3		U
108-38-3	m,p-Xylene	1.6	5.2		U
95-47-6	o-Xylene	0.73	5.2		U
1330-20-7	Xylene(total)	0.73	5.2		U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-DPW24-S26

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.V09069

Matrix: (soil/water) SOIL Lab Sample ID: 0609069-17

Sample wt/vol: 5.5 (g/mL) G Lab File ID: 0906917A

Level: (low/med) LOW Date Sampled: 09/12/06 10:43

% Moisture: not dec. 7 Date Analyzed: 09/19/06 18:02

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG MDL	RL	CONC	Q
67-64-1	Acetone	2.0	49		U
75-05-8	Acetonitrile	0.49	20		U
107-02-8	Acrolein	5.1	24		U
107-13-1	Acrylonitrile	1.4	24		U
107-05-1	Allyl chloride	0.49	4.9		U
71-43-2	Benzene	0.46	4.9		U
75-27-4	Bromodichloromethane	0.29	4.9		U
75-25-2	Bromoform	0.98	4.9		U
74-83-9	Bromomethane	0.70	9.8		U
78-93-3	2-Butanone	1.4	49		U
75-15-0	Carbon disulfide	1.3	4.9		U
56-23-5	Carbon tetrachloride	0.86	4.9		U
108-90-7	Chlorobenzene	2.4	4.9		U
75-00-3	Chloroethane	1.1	9.8		U
67-66-3	Chloroform	0.54	4.9		U
74-87-3	Chloromethane	0.51	9.8		U
126-99-8	Chloroprene	0.49	4.9		U
110-82-7	Cyclohexane	0.53	9.8		U
124-48-1	Dibromochloromethane	0.33	4.9		U
96-12-8	1,2-Dibromo-3-chloropropane	1.2	9.8		U
106-93-4	1,2-Dibromoethane	0.42	4.9		U
74-95-3	Dibromomethane	0.40	4.9		U
95-50-1	1,2-Dichlorobenzene	0.36	4.9		U
541-73-1	1,3-Dichlorobenzene	0.82	4.9		U
106-46-7	1,4-Dichlorobenzene	0.54	4.9		U
110-57-6	trans-1,4-Dichloro-2-butene	7.8	24		U
75-71-8	Dichlorodifluoromethane	1.1	9.8		U
75-34-3	1,1-Dichloroethane	0.53	4.9		U
107-06-2	1,2-Dichloroethane	0.45	4.9		U
75-35-4	1,1-Dichloroethene	1.2	4.9		U
156-59-2	cis-1,2-Dichloroethene	1.2	4.9		U
156-60-5	trans-1,2-Dichloroethene	1.1	4.9		U
78-87-5	1,2-Dichloropropane	0.45	4.9		U
10061-01-5	cis-1,3-Dichloropropene	0.49	4.9		U
10061-02-6	trans-1,3-Dichloropropene	0.31	4.9		U
123-91-1	1,4-Dioxane	0.49	39		U
100-41-4	Ethylbenzene	0.73	4.9		U
97-63-2	Ethyl methacrylate	0.25	4.9		U
591-78-6	2-Hexanone	2.2	24		U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-DPW24-S26

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.V09069

Matrix: (soil/water) SOIL Lab Sample ID: 0609069-17

Sample wt/vol: 5.5 (g/mL) G Lab File ID: 0906917A

Level: (low/med) LOW Date Sampled: 09/12/06 10:43

% Moisture: not dec. 7 Date Analyzed: 09/19/06 18:02

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) MDL	RL	CONC	UG/KG Q
74-88-4	Iodomethane	0.81	24		U
78-83-1	Isobutyl alcohol	0.49	39		U
98-82-8	Isopropylbenzene	0.86	4.9		U
79-20-9	Methyl acetate	1.6	4.9		U
126-98-7	Methacrylonitrile	0.49	20		U
108-87-2	Methyl cyclohexane	0.29	4.9		U
75-09-2	Methylene chloride	0.61	9.8		U
80-62-6	Methyl methacrylate	0.44	4.9		U
1634-04-4	MTBE	0.31	4.9		U
108-10-1	4-Methyl-2-pentanone	0.57	24		U
107-12-0	Propionitrile	0.49	20		U
100-42-5	Styrene	0.34	4.9		U
630-20-6	1,1,1,2-Tetrachloroethane	0.31	4.9		U
79-34-5	1,1,2,2-Tetrachloroethane	0.42	4.9		U
127-18-4	Tetrachloroethene	0.95	4.9		U
108-88-3	Toluene	0.84	4.9		U
87-61-6	1,2,3-Trichlorobenzene	0.41	4.9		U
120-82-1	1,2,4-Trichlorobenzene	0.18	4.9		U
71-55-6	1,1,1-Trichloroethane	0.88	4.9		U
79-00-5	1,1,2-Trichloroethane	0.34	4.9		U
79-01-6	Trichloroethene	0.83	4.9		U
76-13-1	Trichlorotrifluoroethane	0.54	4.9		U
75-69-4	Trichlorofluoromethane	0.93	9.8		U
96-18-4	1,2,3-Trichloropropane	0.68	4.9		U
108-05-4	Vinyl acetate	0.54	24		U
75-01-4	Vinyl chloride	1.1	6.8		U
108-38-3	m,p-Xylene	1.5	4.9		U
95-47-6	o-Xylene	0.68	4.9		U
1330-20-7	Xylene(total)	0.68	4.9		U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-TB06

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.V09069

Matrix: (soil/water) WATER Lab Sample ID: 0609069-18

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 0906918

Level: (low/med) LOW Date Sampled: 09/12/06 :

% Moisture: not dec. _____ Date Analyzed: 09/22/06 10:44

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
67-64-1	Acetone	1.1	10		U
75-05-8	Acetonitrile	0.20	5.0		U
107-02-8	Acrolein	4.1	5.0		U
107-13-1	Acrylonitrile	0.95	5.0		U
107-05-1	Allyl chloride	0.20	1.0		U
71-43-2	Benzene	0.11	1.0		U
75-27-4	Bromodichloromethane	0.24	1.0		U
75-25-2	Bromoform	0.24	1.0		U
74-83-9	Bromomethane	0.33	2.0		U
78-93-3	2-Butanone	1.2	10		U
75-15-0	Carbon disulfide	0.13	1.0		U
56-23-5	Carbon tetrachloride	0.14	1.0		U
108-90-7	Chlorobenzene	0.28	1.0		U
75-00-3	Chloroethane	0.38	2.0		U
67-66-3	Chloroform	0.15	1.0		U
74-87-3	Chloromethane	0.18	2.0		U
126-99-8	Chloroprene	0.20	1.0		U
110-82-7	Cyclohexane	0.18	2.0		U
124-48-1	Dibromochloromethane	0.20	1.0		U
96-12-8	1,2-Dibromo-3-chloropropane	0.28	2.0		U
106-93-4	1,2-Dibromoethane	0.14	1.0		U
74-95-3	Dibromomethane	0.14	1.0		U
95-50-1	1,2-Dichlorobenzene	0.17	1.0		U
541-73-1	1,3-Dichlorobenzene	0.21	1.0		U
106-46-7	1,4-Dichlorobenzene	0.12	1.0		U
110-57-6	trans-1,4-Dichloro-2-butene	0.60	5.0		U
75-71-8	Dichlorodifluoromethane	0.24	2.0		U
75-34-3	1,1-Dichloroethane	0.15	1.0		U
107-06-2	1,2-Dichloroethane	0.15	1.0		U
75-35-4	1,1-Dichloroethene	0.42	1.0		U
156-59-2	cis-1,2-Dichloroethene	0.44	1.0		U
156-60-5	trans-1,2-Dichloroethene	0.40	1.0		U
78-87-5	1,2-Dichloropropane	0.18	1.0		U
10061-01-5	cis-1,3-Dichloropropene	0.13	1.0		U
10061-02-6	trans-1,3-Dichloropropene	0.22	1.0		U
123-91-1	1,4-Dioxane	0.20	20		U
100-41-4	Ethylbenzene	0.14	1.0		U
97-63-2	Ethyl methacrylate	0.21	1.0		U
591-78-6	2-Hexanone	0.83	5.0		U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-TB06

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.V09069

Matrix: (soil/water) WATER Lab Sample ID: 0609069-18

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 0906918

Level: (low/med) LOW Date Sampled: 09/12/06 :

% Moisture: not dec. _____ Date Analyzed: 09/22/06 10:44

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
74-88-4	Iodomethane	0.19	5.0		U
78-83-1	Isobutyl alcohol	0.20	10		U
98-82-8	Isopropylbenzene	0.25	1.0		U
79-20-9	Methyl acetate	0.87	1.0		U
126-98-7	Methacrylonitrile	0.20	5.0		U
108-87-2	Methyl cyclohexane	0.20	1.0		U
75-09-2	Methylene chloride	0.26	2.0		U
80-62-6	Methyl methacrylate	0.35	1.0		U
1634-04-4	MTBE	0.17	1.0		U
108-10-1	4-Methyl-2-pentanone	1.4	5.0		U
107-12-0	Propionitrile	0.20	5.0		U
100-42-5	Styrene	0.22	1.0		U
630-20-6	1,1,1,2-Tetrachloroethane	0.19	1.0		U
79-34-5	1,1,2,2-Tetrachloroethane	0.22	1.0		U
127-18-4	Tetrachloroethene	0.14	1.0		U
108-88-3	Toluene	0.18	1.0	0.24	I
87-61-6	1,2,3-Trichlorobenzene	0.16	1.0		U
120-82-1	1,2,4-Trichlorobenzene	0.14	1.0		U
71-55-6	1,1,1-Trichloroethane	0.15	1.0		U
79-00-5	1,1,2-Trichloroethane	0.17	1.0		U
79-01-6	Trichloroethene	0.28	1.0		U
76-13-1	Trichlorotrifluoroethane	0.22	1.0		U
75-69-4	Trichlorofluoromethane	0.15	2.0		U
96-18-4	1,2,3-Trichloropropane	0.31	1.0		U
108-05-4	Vinyl acetate	1.3	5.0		U
75-01-4	Vinyl chloride	0.19	1.0		U
108-38-3	m,p-Xylene	0.26	1.0		U
95-47-6	o-Xylene	0.21	1.0		U
1330-20-7	Xylene(total)	0.21	1.0		U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-DPW2-S10

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.V09069

Matrix: (soil/water) SOIL Lab Sample ID: 0609069-19

Sample wt/vol: 5.6 (g/mL) G Lab File ID: 0906919A

Level: (low/med) LOW Date Sampled: 09/12/06 08:15

% Moisture: not dec. 10 Date Analyzed: 09/19/06 18:38

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG MDL	RL	CONC	Q
67-64-1	Acetone	2.0	50		U
75-05-8	Acetonitrile	0.50	20		U
107-02-8	Acrolein	5.2	25		U
107-13-1	Acrylonitrile	1.4	25		U
107-05-1	Allyl chloride	0.50	5.0		U
71-43-2	Benzene	0.47	5.0		U
75-27-4	Bromodichloromethane	0.30	5.0		U
75-25-2	Bromoform	0.99	5.0		U
74-83-9	Bromomethane	0.71	9.9		U
78-93-3	2-Butanone	1.4	50		U
75-15-0	Carbon disulfide	1.3	5.0		U
56-23-5	Carbon tetrachloride	0.87	5.0		U
108-90-7	Chlorobenzene	2.5	5.0		U
75-00-3	Chloroethane	1.1	9.9		U
67-66-3	Chloroform	0.54	5.0		U
74-87-3	Chloromethane	0.52	9.9		U
126-99-8	Chloroprene	0.50	5.0		U
110-82-7	Cyclohexane	0.54	9.9		U
124-48-1	Dibromochloromethane	0.34	5.0		U
96-12-8	1,2-Dibromo-3-chloropropane	1.2	9.9		U
106-93-4	1,2-Dibromoethane	0.43	5.0		U
74-95-3	Dibromomethane	0.41	5.0		U
95-50-1	1,2-Dichlorobenzene	0.37	5.0		U
541-73-1	1,3-Dichlorobenzene	0.83	5.0		U
106-46-7	1,4-Dichlorobenzene	0.54	5.0		U
110-57-6	trans-1,4-Dichloro-2-butene	7.9	25		U
75-71-8	Dichlorodifluoromethane	1.1	9.9		U
75-34-3	1,1-Dichloroethane	0.54	5.0		U
107-06-2	1,2-Dichloroethane	0.46	5.0		U
75-35-4	1,1-Dichloroethene	1.2	5.0		U
156-59-2	cis-1,2-Dichloroethene	1.2	5.0		U
156-60-5	trans-1,2-Dichloroethene	1.1	5.0		U
78-87-5	1,2-Dichloropropane	0.46	5.0		U
10061-01-5	cis-1,3-Dichloropropene	0.50	5.0		U
10061-02-6	trans-1,3-Dichloropropene	0.32	5.0		U
123-91-1	1,4-Dioxane	0.50	40		U
100-41-4	Ethylbenzene	0.74	5.0		U
97-63-2	Ethyl methacrylate	0.26	5.0		U
591-78-6	2-Hexanone	2.3	25		U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-DPW2-S10

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.V09069

Matrix: (soil/water) SOIL Lab Sample ID: 0609069-19

Sample wt/vol: 5.6 (g/mL) G Lab File ID: 0906919A

Level: (low/med) LOW Date Sampled: 09/12/06 08:15

% Moisture: not dec. 10 Date Analyzed: 09/19/06 18:38

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	MDL	RL	CONC	Q
74-88-4	Iodomethane	0.82	25		U
78-83-1	Isobutyl alcohol	0.50	40		U
98-82-8	Isopropylbenzene	0.87	5.0		U
79-20-9	Methyl acetate	1.6	5.0		U
126-98-7	Methacrylonitrile	0.50	20		U
108-87-2	Methyl cyclohexane	0.30	5.0		U
75-09-2	Methylene chloride	0.61	9.9		U
80-62-6	Methyl methacrylate	0.45	5.0		U
1634-04-4	MTBE	0.32	5.0		U
108-10-1	4-Methyl-2-pentanone	0.58	25		U
107-12-0	Propionitrile	0.50	20		U
100-42-5	Styrene	0.35	5.0		U
630-20-6	1,1,1,2-Tetrachloroethane	0.32	5.0		U
79-34-5	1,1,2,2-Tetrachloroethane	0.43	5.0		U
127-18-4	Tetrachloroethene	0.96	5.0		U
108-88-3	Toluene	0.85	5.0		U
87-61-6	1,2,3-Trichlorobenzene	0.42	5.0		U
120-82-1	1,2,4-Trichlorobenzene	0.18	5.0		U
71-55-6	1,1,1-Trichloroethane	0.89	5.0		U
79-00-5	1,1,2-Trichloroethane	0.35	5.0		U
79-01-6	Trichloroethene	0.84	5.0		U
76-13-1	Trichlorotrifluoroethane	0.54	5.0		U
75-69-4	Trichlorofluoromethane	0.94	9.9		U
96-18-4	1,2,3-Trichloropropane	0.69	5.0		U
108-05-4	Vinyl acetate	0.54	25		U
75-01-4	Vinyl chloride	1.1	6.9		U
108-38-3	m,p-Xylene	1.5	5.0		U
95-47-6	o-Xylene	0.69	5.0		U
1330-20-7	Xylene(total)	0.69	5.0		U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-DPW3-S10

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.V09069

Matrix: (soil/water) SOIL Lab Sample ID: 0609069-20

Sample wt/vol: 5.2 (g/mL) G Lab File ID: 0906920A

Level: (low/med) LOW Date Sampled: 09/12/06 08:30

% Moisture: not dec. 7 Date Analyzed: 09/19/06 19:15

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) MDL	RL	CONC	UG/KG Q
67-64-1	Acetone	2.0	51		U
75-05-8	Acetonitrile	0.51	20		U
107-02-8	Acrolein	5.4	26		U
107-13-1	Acrylonitrile	1.4	26		U
107-05-1	Allyl chloride	0.51	5.1		U
71-43-2	Benzene	0.48	5.1		U
75-27-4	Bromodichloromethane	0.31	5.1		U
75-25-2	Bromoform	1.0	5.1		U
74-83-9	Bromomethane	0.74	10		U
78-93-3	2-Butanone	1.4	51		U
75-15-0	Carbon disulfide	1.3	5.1		U
56-23-5	Carbon tetrachloride	0.91	5.1		U
108-90-7	Chlorobenzene	2.6	5.1		U
75-00-3	Chloroethane	1.1	10		U
67-66-3	Chloroform	0.57	5.1		U
74-87-3	Chloromethane	0.54	10		U
126-99-8	Chloroprene	0.51	5.1		U
110-82-7	Cyclohexane	0.56	10		U
124-48-1	Dibromochloromethane	0.35	5.1		U
96-12-8	1,2-Dibromo-3-chloropropane	1.2	10		U
106-93-4	1,2-Dibromoethane	0.44	5.1		U
74-95-3	Dibromomethane	0.42	5.1		U
95-50-1	1,2-Dichlorobenzene	0.38	5.1		U
541-73-1	1,3-Dichlorobenzene	0.86	5.1		U
106-46-7	1,4-Dichlorobenzene	0.57	5.1		U
110-57-6	trans-1,4-Dichloro-2-butene	8.2	26		U
75-71-8	Dichlorodifluoromethane	1.1	10		U
75-34-3	1,1-Dichloroethane	0.56	5.1		U
107-06-2	1,2-Dichloroethane	0.47	5.1		U
75-35-4	1,1-Dichloroethene	1.2	5.1		U
156-59-2	cis-1,2-Dichloroethene	1.2	5.1		U
156-60-5	trans-1,2-Dichloroethene	1.1	5.1		U
78-87-5	1,2-Dichloropropane	0.47	5.1		U
10061-01-5	cis-1,3-Dichloropropene	0.51	5.1		U
10061-02-6	trans-1,3-Dichloropropene	0.33	5.1		U
123-91-1	1,4-Dioxane	0.51	41		U
100-41-4	Ethylbenzene	0.77	5.1		U
97-63-2	Ethyl methacrylate	0.27	5.1		U
591-78-6	2-Hexanone	2.4	26		U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-DPW3-S10

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.V09069

Matrix: (soil/water) SOIL Lab Sample ID: 0609069-20

Sample wt/vol: 5.2 (g/mL) G Lab File ID: 0906920A

Level: (low/med) LOW Date Sampled: 09/12/06 08:30

% Moisture: not dec. 7 Date Analyzed: 09/19/06 19:15

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) MDL	RL	CONC	UG/KG Q
74-88-4	Iodomethane	0.85	26		U
78-83-1	Isobutyl alcohol	0.51	41		U
98-82-8	Isopropylbenzene	0.91	5.1		U
79-20-9	Methyl acetate	1.6	5.1		U
126-98-7	Methacrylonitrile	0.51	20		U
108-87-2	Methyl cyclohexane	0.31	5.1		U
75-09-2	Methylene chloride	0.64	10		U
80-62-6	Methyl methacrylate	0.46	5.1		U
1634-04-4	MTBE	0.33	5.1		U
108-10-1	4-Methyl-2-pentanone	0.60	26		U
107-12-0	Propionitrile	0.51	20		U
100-42-5	Styrene	0.36	5.1		U
630-20-6	1,1,1,2-Tetrachloroethane	0.33	5.1		U
79-34-5	1,1,2,2-Tetrachloroethane	0.44	5.1		U
127-18-4	Tetrachloroethene	1.00	5.1		U
108-88-3	Toluene	0.88	5.1		U
87-61-6	1,2,3-Trichlorobenzene	0.43	5.1		U
120-82-1	1,2,4-Trichlorobenzene	0.18	5.1		U
71-55-6	1,1,1-Trichloroethane	0.93	5.1		U
79-00-5	1,1,2-Trichloroethane	0.36	5.1		U
79-01-6	Trichloroethene	0.88	5.1		U
76-13-1	Trichlorotrifluoroethane	0.57	5.1		U
75-69-4	Trichlorofluoromethane	0.98	10		U
96-18-4	1,2,3-Trichloropropane	0.72	5.1		U
108-05-4	Vinyl acetate	0.57	26		U
75-01-4	Vinyl chloride	1.1	7.2		U
108-38-3	m,p-Xylene	1.5	5.1		U
95-47-6	o-Xylene	0.72	5.1		U
1330-20-7	Xylene(total)	0.72	5.1		U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-DPW4-S10

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.V09069

Matrix: (soil/water) SOIL Lab Sample ID: 0609069-21

Sample wt/vol: 5.7 (g/mL) G Lab File ID: 0906921A

Level: (low/med) LOW Date Sampled: 09/12/06 09:00

% Moisture: not dec. 5 Date Analyzed: 09/19/06 19:51

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	MDL	RL	CONC	Q
67-64-1	Acetone	1.8	46		U
75-05-8	Acetonitrile	0.46	18		U
107-02-8	Acrolein	4.8	23		U
107-13-1	Acrylonitrile	1.3	23		U
107-05-1	Allyl chloride	0.46	4.6		U
71-43-2	Benzene	0.43	4.6		U
75-27-4	Bromodichloromethane	0.28	4.6		U
75-25-2	Bromoform	0.92	4.6		U
74-83-9	Bromomethane	0.66	9.2		U
78-93-3	2-Butanone	1.3	46		U
75-15-0	Carbon disulfide	1.2	4.6		U
56-23-5	Carbon tetrachloride	0.81	4.6		U
108-90-7	Chlorobenzene	2.3	4.6		U
75-00-3	Chloroethane	1.0	9.2		U
67-66-3	Chloroform	0.51	4.6		U
74-87-3	Chloromethane	0.48	9.2		U
126-99-8	Chloroprene	0.46	4.6		U
110-82-7	Cyclohexane	0.50	9.2		U
124-48-1	Dibromochloromethane	0.31	4.6		U
96-12-8	1,2-Dibromo-3-chloropropane	1.1	9.2		U
106-93-4	1,2-Dibromoethane	0.40	4.6		U
74-95-3	Dibromomethane	0.38	4.6		U
95-50-1	1,2-Dichlorobenzene	0.34	4.6		U
541-73-1	1,3-Dichlorobenzene	0.78	4.6		U
106-46-7	1,4-Dichlorobenzene	0.51	4.6		U
110-57-6	trans-1,4-Dichloro-2-butene	7.4	23		U
75-71-8	Dichlorodifluoromethane	1.0	9.2		U
75-34-3	1,1-Dichloroethane	0.50	4.6		U
107-06-2	1,2-Dichloroethane	0.42	4.6		U
75-35-4	1,1-Dichloroethene	1.1	4.6		U
156-59-2	cis-1,2-Dichloroethene	1.1	4.6		U
156-60-5	trans-1,2-Dichloroethene	1.0	4.6		U
78-87-5	1,2-Dichloropropane	0.42	4.6		U
10061-01-5	cis-1,3-Dichloropropene	0.46	4.6		U
10061-02-6	trans-1,3-Dichloropropene	0.30	4.6		U
123-91-1	1,4-Dioxane	0.46	37		U
100-41-4	Ethylbenzene	0.69	4.6		U
97-63-2	Ethyl methacrylate	0.24	4.6		U
591-78-6	2-Hexanone	2.1	23		U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-DPW4-S10

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.V09069

Matrix: (soil/water) SOIL Lab Sample ID: 0609069-21

Sample wt/vol: 5.7 (g/mL) G Lab File ID: 0906921A

Level: (low/med) LOW Date Sampled: 09/12/06 09:00

% Moisture: not dec. 5 Date Analyzed: 09/19/06 19:51

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	MDL	RL	CONC	Q
74-88-4	Iodomethane	0.77	23		U
78-83-1	Isobutyl alcohol	0.46	37		U
98-82-8	Isopropylbenzene	0.81	4.6		U
79-20-9	Methyl acetate	1.5	4.6		U
126-98-7	Methacrylonitrile	0.46	18		U
108-87-2	Methyl cyclohexane	0.28	4.6		U
75-09-2	Methylene chloride	0.57	9.2		U
80-62-6	Methyl methacrylate	0.42	4.6		U
1634-04-4	MTBE	0.30	4.6		U
108-10-1	4-Methyl-2-pentanone	0.54	23		U
107-12-0	Propionitrile	0.46	18		U
100-42-5	Styrene	0.32	4.6		U
630-20-6	1,1,1,2-Tetrachloroethane	0.30	4.6		U
79-34-5	1,1,2,2-Tetrachloroethane	0.40	4.6		U
127-18-4	Tetrachloroethene	0.90	4.6		U
108-88-3	Toluene	0.79	4.6		U
87-61-6	1,2,3-Trichlorobenzene	0.39	4.6		U
120-82-1	1,2,4-Trichlorobenzene	0.17	4.6		U
71-55-6	1,1,1-Trichloroethane	0.83	4.6		U
79-00-5	1,1,2-Trichloroethane	0.32	4.6		U
79-01-6	Trichloroethene	0.78	4.6		U
76-13-1	Trichlorotrifluoroethane	0.51	4.6		U
75-69-4	Trichlorofluoromethane	0.88	9.2		U
96-18-4	1,2,3-Trichloropropane	0.65	4.6		U
108-05-4	Vinyl acetate	0.51	23		U
75-01-4	Vinyl chloride	1.0	6.5		U
108-38-3	m,p-Xylene	1.4	4.6		U
95-47-6	o-Xylene	0.65	4.6		U
1330-20-7	Xylene(total)	0.65	4.6		U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-DPW5-S10

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.V09069

Matrix: (soil/water) SOIL Lab Sample ID: 0609069-22

Sample wt/vol: 5.4 (g/mL) G Lab File ID: 0906922A

Level: (low/med) LOW Date Sampled: 09/12/06 09:20

% Moisture: not dec. 19 Date Analyzed: 09/19/06 20:28

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) MDL	RL	CONC	UG/KG Q
67-64-1	Acetone	2.3	58		U
75-05-8	Acetonitrile	0.58	23		U
107-02-8	Acrolein	6.0	29		U
107-13-1	Acrylonitrile	1.6	29		U
107-05-1	Allyl chloride	0.58	5.8		U
71-43-2	Benzene	0.54	5.8		U
75-27-4	Bromodichloromethane	0.35	5.8		U
75-25-2	Bromoform	1.2	5.8		U
74-83-9	Bromomethane	0.83	12		U
78-93-3	2-Butanone	1.6	58		U
75-15-0	Carbon disulfide	1.5	5.8		U
56-23-5	Carbon tetrachloride	1.0	5.8		U
108-90-7	Chlorobenzene	2.9	5.8		U
75-00-3	Chloroethane	1.3	12		U
67-66-3	Chloroform	0.63	5.8		U
74-87-3	Chloromethane	0.60	12		U
126-99-8	Chloroprene	0.58	5.8		U
110-82-7	Cyclohexane	0.62	12		U
124-48-1	Dibromochloromethane	0.39	5.8		U
96-12-8	1,2-Dibromo-3-chloropropane	1.4	12		U
106-93-4	1,2-Dibromoethane	0.50	5.8		U
74-95-3	Dibromomethane	0.47	5.8		U
95-50-1	1,2-Dichlorobenzene	0.43	5.8		U
541-73-1	1,3-Dichlorobenzene	0.97	5.8		U
106-46-7	1,4-Dichlorobenzene	0.63	5.8		U
110-57-6	trans-1,4-Dichloro-2-butene	9.2	29		U
75-71-8	Dichlorodifluoromethane	1.3	12		U
75-34-3	1,1-Dichloroethane	0.62	5.8		U
107-06-2	1,2-Dichloroethane	0.53	5.8		U
75-35-4	1,1-Dichloroethene	1.4	5.8		U
156-59-2	cis-1,2-Dichloroethene	1.4	5.8		U
156-60-5	trans-1,2-Dichloroethene	1.3	5.8		U
78-87-5	1,2-Dichloropropane	0.53	5.8		U
10061-01-5	cis-1,3-Dichloropropene	0.58	5.8		U
10061-02-6	trans-1,3-Dichloropropene	0.37	5.8		U
123-91-1	1,4-Dioxane	0.58	46		U
100-41-4	Ethylbenzene	0.86	5.8		U
97-63-2	Ethyl methacrylate	0.30	5.8		U
591-78-6	2-Hexanone	2.6	29		U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-DPW5-S10

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.V09069

Matrix: (soil/water) SOIL Lab Sample ID: 0609069-22

Sample wt/vol: 5.4 (g/mL) G Lab File ID: 0906922A

Level: (low/med) LOW Date Sampled: 09/12/06 09:20

% Moisture: not dec. 19 Date Analyzed: 09/19/06 20:28

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) MDL	RL	CONC	UG/KG Q
74-88-4	Iodomethane	0.96	29		U
78-83-1	Isobutyl alcohol	0.58	46		U
98-82-8	Isopropylbenzene	1.0	5.8		U
79-20-9	Methyl acetate	1.8	5.8		U
126-98-7	Methacrylonitrile	0.58	23		U
108-87-2	Methyl cyclohexane	0.35	5.8		U
75-09-2	Methylene chloride	0.72	12		U
80-62-6	Methyl methacrylate	0.52	5.8		U
1634-04-4	MTBE	0.37	5.8		U
108-10-1	4-Methyl-2-pentanone	0.67	29		U
107-12-0	Propionitrile	0.58	23		U
100-42-5	Styrene	0.40	5.8		U
630-20-6	1,1,1,2-Tetrachloroethane	0.37	5.8		U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	5.8		U
127-18-4	Tetrachloroethene	1.1	5.8		U
108-88-3	Toluene	0.99	5.8		U
87-61-6	1,2,3-Trichlorobenzene	0.48	5.8		U
120-82-1	1,2,4-Trichlorobenzene	0.21	5.8		U
71-55-6	1,1,1-Trichloroethane	1.0	5.8		U
79-00-5	1,1,2-Trichloroethane	0.40	5.8		U
79-01-6	Trichloroethene	0.98	5.8		U
76-13-1	Trichlorotrifluoroethane	0.63	5.8		U
75-69-4	Trichlorofluoromethane	1.1	12		U
96-18-4	1,2,3-Trichloropropane	0.81	5.8		U
108-05-4	Vinyl acetate	0.63	29		U
75-01-4	Vinyl chloride	1.3	8.1		U
108-38-3	m,p-Xylene	1.7	5.8		U
95-47-6	o-Xylene	0.81	5.8		U
1330-20-7	Xylene(total)	0.81	5.8		U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-DPW6-S10

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.V09069

Matrix: (soil/water) SOIL Lab Sample ID: 0609069-23

Sample wt/vol: 5.1 (g/mL) G Lab File ID: 0906923A

Level: (low/med) LOW Date Sampled: 09/12/06 10:15

% Moisture: not dec. 5 Date Analyzed: 09/19/06 21:04

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG MDL	RL	CONC	Q
67-64-1	Acetone	2.1	52		U
75-05-8	Acetonitrile	0.52	21		U
107-02-8	Acrolein	5.4	26		U
107-13-1	Acrylonitrile	1.4	26		U
107-05-1	Allyl chloride	0.52	5.2		U
71-43-2	Benzene	0.49	5.2		U
75-27-4	Bromodichloromethane	0.31	5.2		U
75-25-2	Bromoform	1.0	5.2		U
74-83-9	Bromomethane	0.75	10		U
78-93-3	2-Butanone	1.4	52		U
75-15-0	Carbon disulfide	1.4	5.2		U
56-23-5	Carbon tetrachloride	0.92	5.2		U
108-90-7	Chlorobenzene	2.6	5.2		U
75-00-3	Chloroethane	1.1	10		U
67-66-3	Chloroform	0.57	5.2		U
74-87-3	Chloromethane	0.54	10		U
126-99-8	Chloroprene	0.52	5.2		U
110-82-7	Cyclohexane	0.56	10		U
124-48-1	Dibromochloromethane	0.35	5.2		U
96-12-8	1,2-Dibromo-3-chloropropane	1.2	10		U
106-93-4	1,2-Dibromoethane	0.45	5.2		U
74-95-3	Dibromomethane	0.43	5.2		U
95-50-1	1,2-Dichlorobenzene	0.38	5.2		U
541-73-1	1,3-Dichlorobenzene	0.88	5.2		U
106-46-7	1,4-Dichlorobenzene	0.57	5.2		U
110-57-6	trans-1,4-Dichloro-2-butene	8.3	26		U
75-71-8	Dichlorodifluoromethane	1.1	10		U
75-34-3	1,1-Dichloroethane	0.56	5.2		U
107-06-2	1,2-Dichloroethane	0.48	5.2		U
75-35-4	1,1-Dichloroethene	1.2	5.2		U
156-59-2	cis-1,2-Dichloroethene	1.2	5.2		U
156-60-5	trans-1,2-Dichloroethene	1.1	5.2		U
78-87-5	1,2-Dichloropropane	0.48	5.2		U
10061-01-5	cis-1,3-Dichloropropene	0.52	5.2		U
10061-02-6	trans-1,3-Dichloropropene	0.33	5.2		U
123-91-1	1,4-Dioxane	0.52	42		U
100-41-4	Ethylbenzene	0.78	5.2		U
97-63-2	Ethyl methacrylate	0.27	5.2		U
591-78-6	2-Hexanone	2.4	26		U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-DPW6-S10

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.V09069

Matrix: (soil/water) SOIL Lab Sample ID: 0609069-23

Sample wt/vol: 5.1 (g/mL) G Lab File ID: 0906923A

Level: (low/med) LOW Date Sampled: 09/12/06 10:15

% Moisture: not dec. 5 Date Analyzed: 09/19/06 21:04

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	MDL	RL	CONC	Q
74-88-4	Iodomethane	0.86	26		U
78-83-1	Isobutyl alcohol	0.52	42		U
98-82-8	Isopropylbenzene	0.92	5.2		U
79-20-9	Methyl acetate	1.7	5.2		U
126-98-7	Methacrylonitrile	0.52	21		U
108-87-2	Methyl cyclohexane	0.31	5.2		U
75-09-2	Methylene chloride	0.65	10		U
80-62-6	Methyl methacrylate	0.47	5.2		U
1634-04-4	MTBE	0.33	5.2		U
108-10-1	4-Methyl-2-pentanone	0.60	26		U
107-12-0	Propionitrile	0.52	21		U
100-42-5	Styrene	0.36	5.2		U
630-20-6	1,1,1,2-Tetrachloroethane	0.33	5.2		U
79-34-5	1,1,2,2-Tetrachloroethane	0.45	5.2		U
127-18-4	Tetrachloroethene	1.0	5.2		U
108-88-3	Toluene	0.90	5.2		U
87-61-6	1,2,3-Trichlorobenzene	0.44	5.2		U
120-82-1	1,2,4-Trichlorobenzene	0.19	5.2		U
71-55-6	1,1,1-Trichloroethane	0.94	5.2		U
79-00-5	1,1,2-Trichloroethane	0.36	5.2		U
79-01-6	Trichloroethene	0.88	5.2		U
76-13-1	Trichlorotrifluoroethane	0.57	5.2		U
75-69-4	Trichlorofluoromethane	0.99	10		U
96-18-4	1,2,3-Trichloropropane	0.73	5.2		U
108-05-4	Vinyl acetate	0.57	26		U
75-01-4	Vinyl chloride	1.1	7.3		U
108-38-3	m,p-Xylene	1.6	5.2		U
95-47-6	o-Xylene	0.73	5.2		U
1330-20-7	Xylene(total)	0.73	5.2		U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-DPW8-S10

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.V09069

Matrix: (soil/water) SOIL Lab Sample ID: 0609069-24

Sample wt/vol: 5.4 (g/mL) G Lab File ID: 0906924A

Level: (low/med) LOW Date Sampled: 09/12/06 10:30

% Moisture: not dec. 8 Date Analyzed: 09/21/06 11:30

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	MDL	RL	CONC	Q
67-64-1	Acetone	2.0	50		U
75-05-8	Acetonitrile	0.50	20		U
107-02-8	Acrolein	5.2	25		U
107-13-1	Acrylonitrile	1.4	25		U
107-05-1	Allyl chloride	0.50	5.0		U
71-43-2	Benzene	0.47	5.0		U
75-27-4	Bromodichloromethane	0.30	5.0		U
75-25-2	Bromoform	1.0	5.0		U
74-83-9	Bromomethane	0.72	10		U
78-93-3	2-Butanone	1.4	50		U
75-15-0	Carbon disulfide	1.3	5.0		U
56-23-5	Carbon tetrachloride	0.88	5.0		U
108-90-7	Chlorobenzene	2.5	5.0		U
75-00-3	Chloroethane	1.1	10		U
67-66-3	Chloroform	0.55	5.0		U
74-87-3	Chloromethane	0.52	10		U
126-99-8	Chloroprene	0.50	5.0		U
110-82-7	Cyclohexane	0.54	10		U
124-48-1	Dibromochloromethane	0.34	5.0		U
96-12-8	1,2-Dibromo-3-chloropropane	1.2	10		U
106-93-4	1,2-Dibromoethane	0.43	5.0		U
74-95-3	Dibromomethane	0.41	5.0		U
95-50-1	1,2-Dichlorobenzene	0.37	5.0		U
541-73-1	1,3-Dichlorobenzene	0.84	5.0		U
106-46-7	1,4-Dichlorobenzene	0.55	5.0		U
110-57-6	trans-1,4-Dichloro-2-butene	8.0	25		U
75-71-8	Dichlorodifluoromethane	1.1	10		U
75-34-3	1,1-Dichloroethane	0.54	5.0		U
107-06-2	1,2-Dichloroethane	0.46	5.0		U
75-35-4	1,1-Dichloroethene	1.2	5.0		U
156-59-2	cis-1,2-Dichloroethene	1.2	5.0		U
156-60-5	trans-1,2-Dichloroethene	1.1	5.0		U
78-87-5	1,2-Dichloropropane	0.46	5.0		U
10061-01-5	cis-1,3-Dichloropropene	0.50	5.0		U
10061-02-6	trans-1,3-Dichloropropene	0.32	5.0		U
123-91-1	1,4-Dioxane	0.50	40		U
100-41-4	Ethylbenzene	0.75	5.0		U
97-63-2	Ethyl methacrylate	0.26	5.0		U
591-78-6	2-Hexanone	2.3	25		U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-DPW8-S10

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.V09069

Matrix: (soil/water) SOIL Lab Sample ID: 0609069-24

Sample wt/vol: 5.4 (g/mL) G Lab File ID: 0906924A

Level: (low/med) LOW Date Sampled: 09/12/06 10:30

% Moisture: not dec. 8 Date Analyzed: 09/21/06 11:30

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) MDL	RL	UG/KG CONC	Q
74-88-4	Iodomethane	0.83	25		U
78-83-1	Isobutyl alcohol	0.50	40		U
98-82-8	Isopropylbenzene	0.88	5.0		U
79-20-9	Methyl acetate	1.6	5.0		U
126-98-7	Methacrylonitrile	0.50	20		U
108-87-2	Methyl cyclohexane	0.30	5.0		U
75-09-2	Methylene chloride	0.62	10		U
80-62-6	Methyl methacrylate	0.45	5.0		U
1634-04-4	MTBE	0.32	5.0		U
108-10-1	4-Methyl-2-pentanone	0.58	25		U
107-12-0	Propionitrile	0.50	20		U
100-42-5	Styrene	0.35	5.0		U
630-20-6	1,1,1,2-Tetrachloroethane	0.32	5.0		U
79-34-5	1,1,2,2-Tetrachloroethane	0.43	5.0		U
127-18-4	Tetrachloroethene	0.97	5.0		U
108-88-3	Toluene	0.86	5.0		U
87-61-6	1,2,3-Trichlorobenzene	0.42	5.0		U
120-82-1	1,2,4-Trichlorobenzene	0.18	5.0		U
71-55-6	1,1,1-Trichloroethane	0.90	5.0		U
79-00-5	1,1,2-Trichloroethane	0.35	5.0		U
79-01-6	Trichloroethene	0.85	5.0		U
76-13-1	Trichlorotrifluoroethane	0.55	5.0		U
75-69-4	Trichlorofluoromethane	0.95	10		U
96-18-4	1,2,3-Trichloropropane	0.70	5.0		U
108-05-4	Vinyl acetate	0.55	25		U
75-01-4	Vinyl chloride	1.1	7.0		U
108-38-3	m,p-Xylene	1.5	5.0		U
95-47-6	o-Xylene	0.70	5.0		U
1330-20-7	Xylene(total)	0.70	5.0		U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-DPW9-S10

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.V09069

Matrix: (soil/water) SOIL Lab Sample ID: 0609069-25

Sample wt/vol: 5.6 (g/mL) G Lab File ID: 0906925A

Level: (low/med) LOW Date Sampled: 09/12/06 10:55

% Moisture: not dec. 8 Date Analyzed: 09/21/06 12:07

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) MDL	RL	CONC	UG/KG Q
67-64-1	Acetone	2.0	49		U
75-05-8	Acetonitrile	0.49	20		U
107-02-8	Acrolein	5.1	24		U
107-13-1	Acrylonitrile	1.4	24		U
107-05-1	Allyl chloride	0.49	4.9		U
71-43-2	Benzene	0.46	4.9		U
75-27-4	Bromodichloromethane	0.29	4.9		U
75-25-2	Bromoform	0.98	4.9		U
74-83-9	Bromomethane	0.70	9.8		U
78-93-3	2-Butanone	1.4	49		U
75-15-0	Carbon disulfide	1.3	4.9		U
56-23-5	Carbon tetrachloride	0.86	4.9		U
108-90-7	Chlorobenzene	2.4	4.9		U
75-00-3	Chloroethane	1.1	9.8		U
67-66-3	Chloroform	0.54	4.9		U
74-87-3	Chloromethane	0.51	9.8		U
126-99-8	Chloroprene	0.49	4.9		U
110-82-7	Cyclohexane	0.53	9.8		U
124-48-1	Dibromochloromethane	0.33	4.9		U
96-12-8	1,2-Dibromo-3-chloropropane	1.2	9.8		U
106-93-4	1,2-Dibromoethane	0.42	4.9		U
74-95-3	Dibromomethane	0.40	4.9		U
95-50-1	1,2-Dichlorobenzene	0.36	4.9		U
541-73-1	1,3-Dichlorobenzene	0.82	4.9		U
106-46-7	1,4-Dichlorobenzene	0.54	4.9		U
110-57-6	trans-1,4-Dichloro-2-butene	7.8	24		U
75-71-8	Dichlorodifluoromethane	1.1	9.8		U
75-34-3	1,1-Dichloroethane	0.53	4.9		U
107-06-2	1,2-Dichloroethane	0.45	4.9		U
75-35-4	1,1-Dichloroethene	1.2	4.9		U
156-59-2	cis-1,2-Dichloroethene	1.2	4.9		U
156-60-5	trans-1,2-Dichloroethene	1.1	4.9		U
78-87-5	1,2-Dichloropropane	0.45	4.9		U
10061-01-5	cis-1,3-Dichloropropene	0.49	4.9		U
10061-02-6	trans-1,3-Dichloropropene	0.31	4.9		U
123-91-1	1,4-Dioxane	0.49	39		U
100-41-4	Ethylbenzene	0.73	4.9		U
97-63-2	Ethyl methacrylate	0.25	4.9		U
591-78-6	2-Hexanone	2.2	24		U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-DPW9-S10

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: TET.V09069

Matrix: (soil/water) SOIL Lab Sample ID: 0609069-25

Sample wt/vol: 5.6 (g/mL) G Lab File ID: 0906925A

Level: (low/med) LOW Date Sampled: 09/12/06 10:55

% Moisture: not dec. 8 Date Analyzed: 09/21/06 12:07

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG MDL	RL	CONC	Q
74-88-4	Iodomethane	0.81	24		U
78-83-1	Isobutyl alcohol	0.49	39		U
98-82-8	Isopropylbenzene	0.86	4.9		U
79-20-9	Methyl acetate	1.6	4.9		U
126-98-7	Methacrylonitrile	0.49	20		U
108-87-2	Methyl cyclohexane	0.29	4.9		U
75-09-2	Methylene chloride	0.60	9.8		U
80-62-6	Methyl methacrylate	0.44	4.9		U
1634-04-4	MTBE	0.31	4.9		U
108-10-1	4-Methyl-2-pentanone	0.56	24		U
107-12-0	Propionitrile	0.49	20		U
100-42-5	Styrene	0.34	4.9		U
630-20-6	1,1,1,2-Tetrachloroethane	0.31	4.9		U
79-34-5	1,1,2,2-Tetrachloroethane	0.42	4.9		U
127-18-4	Tetrachloroethene	0.95	4.9		U
108-88-3	Toluene	0.84	4.9		U
87-61-6	1,2,3-Trichlorobenzene	0.41	4.9		U
120-82-1	1,2,4-Trichlorobenzene	0.18	4.9		U
71-55-6	1,1,1-Trichloroethane	0.88	4.9		U
79-00-5	1,1,2-Trichloroethane	0.34	4.9		U
79-01-6	Trichloroethene	0.83	4.9		U
76-13-1	Trichlorotrifluoroethane	0.54	4.9		U
75-69-4	Trichlorofluoromethane	0.93	9.8		U
96-18-4	1,2,3-Trichloropropane	0.68	4.9		U
108-05-4	Vinyl acetate	0.54	24		U
75-01-4	Vinyl chloride	1.1	6.8		U
108-38-3	m,p-Xylene	1.5	4.9		U
95-47-6	o-Xylene	0.68	4.9		U
1330-20-7	Xylene(total)	0.68	4.9		U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW25-S-40

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYS001

Matrix: (soil/water) SOIL Lab Sample ID: 0612084-02

Sample wt/vol: 15.3 (g/mL) G Lab File ID: 1208402

% Moisture: 12 decanted: (Y/N) N Date Sampled: 12/07/06 10:55

Extraction: (SepF/Cont/Sonc/Soxh) SOXH Date Extracted:12/21/06

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 01/02/07 14:34

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	MDL	RL	CONC	Q
83-32-9	Acenaphthene	44	370		U
208-96-8	Acenaphthylene	44	370		U
98-86-2	Acetophenone	110	370		U
53-96-3	2-Acetylaminofluorene	110	370		U
92-67-1	4-Aminobiphenyl	110	370		U
62-53-3	Aniline	110	370		U
140-57-8	Aramite	110	370		U
120-12-7	Anthracene	44	370		U
1912-24-9	Atrazine	110	370		U
100-52-7	Benzaldehyde	110	370		U
56-55-3	Benzo(a)anthracene	44	370		U
205-99-2	Benzo(b)fluoranthene	44	370		U
207-08-9	Benzo(k)fluoranthene	44	370		U
191-24-2	Benzo(g,h,i)perylene	44	370		U
50-32-8	Benzo(a)pyrene	44	370		U
100-51-6	Benzyl alcohol	110	370		U
92-52-4	1,1'-Biphenyl	110	370		U
111-91-1	bis(2-Chloroethoxy)methane	110	370		U
111-44-4	bis(2-Chloroethyl)ether	110	370		U
108-60-1	bis(2-Chloroisopropyl)ether	110	370		U
117-81-7	Bis(2-ethylhexyl)phthalate	110	370		U
101-55-3	4-Bromophenyl-phenylether	110	370		U
85-68-7	Butylbenzylphthalate	110	370		U
105-60-2	Caprolactam	110	370		U
86-74-8	Carbazole	44	370		U
106-47-8	4-Chloroaniline	110	370		U
510-15-6	Chlorobenzilate	110	370		U
59-50-7	4-Chloro-3-methylphenol	110	370		U
91-58-7	2-Chloronaphthalene	110	370		U
95-57-8	2-Chlorophenol	110	370		U
7005-72-3	4-Chlorophenyl-phenylether	110	370		U
218-01-9	Chrysene	44	370		U
2303-16-4	Diallate	110	370		U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW25-S-40

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYS001

Matrix: (soil/water) SOIL Lab Sample ID: 0612084-02

Sample wt/vol: 15.3 (g/mL) G Lab File ID: 1208402

% Moisture: 12 decanted: (Y/N) N Date Sampled: 12/07/06 10:55

Extraction: (SepF/Cont/Sonc/Soxh) SOXH Date Extracted:12/21/06

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 01/02/07 14:34

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG MDL	RL	CONC	Q
53-70-3	Dibenz(a,h)anthracene	44	370		U
132-64-9	Dibenzofuran	110	370		U
91-94-1	3,3'-Dichlorobenzidine	170	370		U
120-83-2	2,4-Dichlorophenol	110	370		U
87-65-0	2,6-Dichlorophenol	110	370		U
84-66-2	Diethylphthalate	110	370		U
60-51-5	Dimethoate	110	370		U
60-11-7	p-(Dimethylamino)azobenzene	110	370		U
57-97-6	7,12-Dimethylbenz[a]anthrace	110	370		U
119-93-7	3,3'-Dimethylbenzidine	110	370		U
122-09-8	a,a-Dimethyl-phenethylamine	110	370		U
105-67-9	2,4-Dimethylphenol	110	1500		U
131-11-3	Dimethylphthalate	110	370		U
84-74-2	Di-n-butylphthalate	110	370		U
99-65-0	m-Dinitrobenzene	110	370		U
534-52-1	4,6-Dinitro-2-methylphenol	110	1500		U
51-28-5	2,4-Dinitrophenol	110	3700		U
121-14-2	2,4-Dinitrotoluene	110	370		U
606-20-2	2,6-Dinitrotoluene	110	370		U
117-84-0	Di-n-octylphthalate	110	370		U
122-39-4	Diphenylamine	110	370		U
62-50-0	Ethyl methanesulfonate	110	370		U
206-44-0	Fluoranthene	44	370		U
86-73-7	Fluorene	44	370		U
118-74-1	Hexachlorobenzene	110	370		U
87-68-3	Hexachlorobutadiene	110	370		U
77-47-4	Hexachlorocyclopentadiene	110	370		U
67-72-1	Hexachloroethane	110	370		U
70-30-4	Hexachlorophene	110	740		U
1888-71-7	Hexachloropropene	110	370		U
193-39-5	Indeno(1,2,3-cd)pyrene	44	370		U
465-73-6	Isodrin	110	370		U
78-59-1	Isophorone	110	370		U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW25-S-40

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYS001

Matrix: (soil/water) SOIL Lab Sample ID: 0612084-02

Sample wt/vol: 15.3 (g/mL) G Lab File ID: 1208402

% Moisture: 12 decanted: (Y/N) N Date Sampled: 12/07/06 10:55

Extraction: (SepF/Cont/Sonc/Soxh) SOXH Date Extracted:12/21/06

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 01/02/07 14:34

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	MDL	RL	CONC	Q
120-58-1	Isosafrole	110	370		U
143-50-0	Kepone	110	370		U
91-80-5	Methapyrilene	110	370		U
56-49-5	3-Methylcholanthrene	110	370		U
66-27-3	Methyl methanesulfonate	110	370		U
91-57-6	2-Methylnaphthalene	44	370		U
106-44-5	4-Methylphenol	110	370		U
108-39-4	3-Methylphenol	110	370		U
95-48-7	2-Methylphenol	110	370		U
91-20-3	Naphthalene	44	370		U
130-15-4	1,4-Naphthoquinone	110	370		U
134-32-7	1-Naphthylamine	110	370		U
91-59-8	2-Naphthylamine	110	370		U
88-74-4	2-Nitroaniline	110	1500		U
99-09-2	3-Nitroaniline	110	1500		U
100-01-6	4-Nitroaniline	110	1500		U
98-95-3	Nitrobenzene	110	370		U
88-75-5	2-Nitrophenol	110	370		U
100-02-7	4-Nitrophenol	110	1500		U
56-57-5	4-Nitroquinoline-1-oxide	110	370		U
924-16-3	N-Nitrosodi-n-butylamine	110	370		U
55-18-5	N-Nitrosodiethylamine	110	370		U
62-75-9	N-Nitroso-di-methylamine	110	370		U
86-30-6	N-Nitrosodiphenylamine (1)	110	370		U
621-64-7	N-Nitroso-di-n-propylamine	110	370		U
10595-95-6	N-Nitrosomethylethylamine	110	370		U
59-89-2	N-Nitrosomorpholine	110	370		U
100-75-4	N-Nitrosopiperidine	110	370		U
930-55-2	N-Nitrosopyrrolidine	110	370		U
99-55-8	5-Nitro-o-toluidine	110	370		U
608-93-5	Pentachlorobenzene	110	370		U
82-68-8	Pentachloronitrobenzene	110	370		U
76-01-7	Pentachloroethane	110	370		U

(1) - Cannot be separated from Diphenylamine

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW25-S-40

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYS001

Matrix: (soil/water) SOIL Lab Sample ID: 0612084-02

Sample wt/vol: 15.3 (g/mL) G Lab File ID: 1208402

% Moisture: 12 decanted: (Y/N) N Date Sampled: 12/07/06 10:55

Extraction: (SepF/Cont/Sonc/Soxh) SOXH Date Extracted:12/21/06

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 01/02/07 14:34

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	MDL	RL	CONC	Q
87-86-5	Pentachlorophenol	110	1500		U
62-44-2	Phenacetin	110	370		U
85-01-8	Phenanthrene	44	370		U
108-95-2	Phenol	110	370		U
106-50-3	p-Phenylenediamine	110	370		U
109-06-8	2-Picoline	110	370		U
23950-58-5	Pronamide	110	370		U
129-00-0	Pyrene	44	370		U
110-86-1	Pyridine	110	1500		U
94-59-7	Safrole	110	370		U
95-94-3	1,2,4,5-Tetrachlorobenzene	110	370		U
58-90-2	2,3,4,6-Tetrachlorophenol	110	370		U
95-53-4	o-Toluidine	110	370		U
120-82-1	1,2,4-Trichlorobenzene	110	370		U
95-95-4	2,4,5-Trichlorophenol	110	370		U
88-06-2	2,4,6-Trichlorophenol	110	370		U
126-68-1	O,O,O-Triethylphosphorothioa	110	370		U
99-35-4	sym-Trinitrobenzene	110	370		U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW26-S-25

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYS001

Matrix: (soil/water) SOIL Lab Sample ID: 0612084-03

Sample wt/vol: 15.3 (g/mL) G Lab File ID: 1208403

% Moisture: 5 decanted: (Y/N) N Date Sampled: 12/07/06 13:45

Extraction: (SepF/Cont/Sonc/Soxh) SOXH Date Extracted:12/21/06

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 01/02/07 15:09

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	MDL	RL	CONC	Q
83-32-9	Acenaphthene	41	340		U
208-96-8	Acenaphthylene	41	340		U
98-86-2	Acetophenone	100	340		U
53-96-3	2-Acetylaminofluorene	100	340		U
92-67-1	4-Aminobiphenyl	100	340		U
62-53-3	Aniline	100	340		U
140-57-8	Aramite	100	340		U
120-12-7	Anthracene	41	340		U
1912-24-9	Atrazine	100	340		U
100-52-7	Benzaldehyde	100	340		U
56-55-3	Benzo(a)anthracene	41	340		U
205-99-2	Benzo(b)fluoranthene	41	340		U
207-08-9	Benzo(k)fluoranthene	41	340		U
191-24-2	Benzo(g,h,i)perylene	41	340		U
50-32-8	Benzo(a)pyrene	41	340		U
100-51-6	Benzyl alcohol	100	340		U
92-52-4	1,1'-Biphenyl	100	340		U
111-91-1	bis(2-Chloroethoxy)methane	100	340		U
111-44-4	bis(2-Chloroethyl)ether	100	340		U
108-60-1	bis(2-Chloroisopropyl)ether	100	340		U
117-81-7	Bis(2-ethylhexyl)phthalate	100	340		U
101-55-3	4-Bromophenyl-phenylether	100	340		U
85-68-7	Butylbenzylphthalate	100	340		U
105-60-2	Caprolactam	100	340		U
86-74-8	Carbazole	41	340		U
106-47-8	4-Chloroaniline	100	340		U
510-15-6	Chlorobenzilate	100	340		U
59-50-7	4-Chloro-3-methylphenol	100	340		U
91-58-7	2-Chloronaphthalene	100	340		U
95-57-8	2-Chlorophenol	100	340		U
7005-72-3	4-Chlorophenyl-phenylether	100	340		U
218-01-9	Chrysene	41	340		U
2303-16-4	Diallate	100	340		U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW26-S-25

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYS001

Matrix: (soil/water) SOIL Lab Sample ID: 0612084-03

Sample wt/vol: 15.3 (g/mL) G Lab File ID: 1208403

% Moisture: 5 decanted: (Y/N) N Date Sampled: 12/07/06 13:45

Extraction: (SepF/Cont/Sonc/Soxh) SOXH Date Extracted:12/21/06

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 01/02/07 15:09

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG MDL	RL	CONC	Q
53-70-3	Dibenz(a,h)anthracene	41	340		U
132-64-9	Dibenzofuran	100	340		U
91-94-1	3,3'-Dichlorobenzidine	160	340		U
120-83-2	2,4-Dichlorophenol	100	340		U
87-65-0	2,6-Dichlorophenol	100	340		U
84-66-2	Diethylphthalate	100	340		U
60-51-5	Dimethoate	100	340		U
60-11-7	p-(Dimethylamino)azobenzene	100	340		U
57-97-6	7,12-Dimethylbenz[a]anthrace	100	340		U
119-93-7	3,3'-Dimethylbenzidine	100	340		U
122-09-8	a,a-Dimethyl-phenethylamine	100	340		U
105-67-9	2,4-Dimethylphenol	100	1400		U
131-11-3	Dimethylphthalate	100	340		U
84-74-2	Di-n-butylphthalate	100	340		U
99-65-0	m-Dinitrobenzene	100	340		U
534-52-1	4,6-Dinitro-2-methylphenol	100	1400		U
51-28-5	2,4-Dinitrophenol	100	3400		U
121-14-2	2,4-Dinitrotoluene	100	340		U
606-20-2	2,6-Dinitrotoluene	100	340		U
117-84-0	Di-n-octylphthalate	100	340		U
122-39-4	Diphenylamine	100	340		U
62-50-0	Ethyl methanesulfonate	100	340		U
206-44-0	Fluoranthene	41	340		U
86-73-7	Fluorene	41	340		U
118-74-1	Hexachlorobenzene	100	340		U
87-68-3	Hexachlorobutadiene	100	340		U
77-47-4	Hexachlorocyclopentadiene	100	340		U
67-72-1	Hexachloroethane	100	340		U
70-30-4	Hexachlorophene	100	690		U
1888-71-7	Hexachloropropene	100	340		U
193-39-5	Indeno(1,2,3-cd)pyrene	41	340		U
465-73-6	Isodrin	100	340		U
78-59-1	Isophorone	100	340		U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW26-S-25

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYS001

Matrix: (soil/water) SOIL Lab Sample ID: 0612084-03

Sample wt/vol: 15.3 (g/mL) G Lab File ID: 1208403

% Moisture: 5 decanted: (Y/N) N Date Sampled: 12/07/06 13:45

Extraction: (SepF/Cont/Sonc/Soxh) SOXH Date Extracted:12/21/06

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 01/02/07 15:09

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CAS NO.	COMPOUND	CONCENTRATION UNITS: MDL	(ug/L or ug/Kg) RL	UG/KG CONC	Q
120-58-1	Isosafrole	100	340		U
143-50-0	Kepone	100	340		U
91-80-5	Methapyrilene	100	340		U
56-49-5	3-Methylcholanthrene	100	340		U
66-27-3	Methyl methanesulfonate	100	340		U
91-57-6	2-Methylnaphthalene	41	340		U
106-44-5	4-Methylphenol	100	340		U
108-39-4	3-Methylphenol	100	340		U
95-48-7	2-Methylphenol	100	340		U
91-20-3	Naphthalene	41	340		U
130-15-4	1,4-Naphthoquinone	100	340		U
134-32-7	1-Naphthylamine	100	340		U
91-59-8	2-Naphthylamine	100	340		U
88-74-4	2-Nitroaniline	100	1400		U
99-09-2	3-Nitroaniline	100	1400		U
100-01-6	4-Nitroaniline	100	1400		U
98-95-3	Nitrobenzene	100	340		U
88-75-5	2-Nitrophenol	100	340		U
100-02-7	4-Nitrophenol	100	1400		U
56-57-5	4-Nitroquinoline-1-oxide	100	340		U
924-16-3	N-Nitrosodi-n-butylamine	100	340		U
55-18-5	N-Nitrosodiethylamine	100	340		U
62-75-9	N-Nitroso-di-methylamine	100	340		U
86-30-6	N-Nitrosodiphenylamine (1)	100	340		U
621-64-7	N-Nitroso-di-n-propylamine	100	340		U
10595-95-6	N-Nitrosomethylethylamine	100	340		U
59-89-2	N-Nitrosomorpholine	100	340		U
100-75-4	N-Nitrosopiperidine	100	340		U
930-55-2	N-Nitrosopyrrolidine	100	340		U
99-55-8	5-Nitro-o-toluidine	100	340		U
608-93-5	Pentachlorobenzene	100	340		U
82-68-8	Pentachloronitrobenzene	100	340		U
76-01-7	Pentachloroethane	100	340		U

(1) - Cannot be separated from Diphenylamine

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW26-S-25

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYS001

Matrix: (soil/water) SOIL Lab Sample ID: 0612084-03

Sample wt/vol: 15.3 (g/mL) G Lab File ID: 1208403

% Moisture: 5 decanted: (Y/N) N Date Sampled: 12/07/06 13:45

Extraction: (SepF/Cont/Sonc/Soxh) SOXH Date Extracted:12/21/06

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 01/02/07 15:09

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG MDL	RL	CONC	Q
87-86-5	Pentachlorophenol	100	1400		U
62-44-2	Phenacetin	100	340		U
85-01-8	Phenanthrene	41	340		U
108-95-2	Phenol	100	340		U
106-50-3	p-Phenylenediamine	100	340		U
109-06-8	2-Picoline	100	340		U
23950-58-5	Pronamide	100	340		U
129-00-0	Pyrene	41	340		U
110-86-1	Pyridine	100	1400		U
94-59-7	Safrole	100	340		U
95-94-3	1,2,4,5-Tetrachlorobenzene	100	340		U
58-90-2	2,3,4,6-Tetrachlorophenol	100	340		U
95-53-4	o-Toluidine	100	340		U
120-82-1	1,2,4-Trichlorobenzene	100	340		U
95-95-4	2,4,5-Trichlorophenol	100	340		U
88-06-2	2,4,6-Trichlorophenol	100	340		U
126-68-1	O,O,O-Triethylphosphorothioa	100	340		U
99-35-4	sym-Trinitrobenzene	100	340		U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW33S-5

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYS001

Matrix: (soil/water) SOIL Lab Sample ID: 0612148-01

Sample wt/vol: 15.4 (g/mL) G Lab File ID: 1214801

% Moisture: 11 decanted: (Y/N) N Date Sampled: 12/14/06 11:20

Extraction: (SepF/Cont/Sonc/Soxh) SOXH Date Extracted:12/21/06

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 01/02/07 15:45

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	MDL	RL	CONC	Q
83-32-9	Acenaphthene	44	360		U
208-96-8	Acenaphthylene	44	360		U
98-86-2	Acetophenone	110	360		U
53-96-3	2-Acetylaminofluorene	110	360		U
92-67-1	4-Aminobiphenyl	110	360		U
62-53-3	Aniline	110	360		U
140-57-8	Aramite	110	360		U
120-12-7	Anthracene	44	360		U
1912-24-9	Atrazine	110	360		U
100-52-7	Benzaldehyde	110	360		U
56-55-3	Benzo(a)anthracene	44	360		U
205-99-2	Benzo(b)fluoranthene	44	360		U
207-08-9	Benzo(k)fluoranthene	44	360		U
191-24-2	Benzo(g,h,i)perylene	44	360		U
50-32-8	Benzo(a)pyrene	44	360		U
100-51-6	Benzyl alcohol	110	360		U
92-52-4	1,1'-Biphenyl	110	360	340	I
111-91-1	bis(2-Chloroethoxy)methane	110	360		U
111-44-4	bis(2-Chloroethyl)ether	110	360		U
108-60-1	bis(2-Chloroisopropyl)ether	110	360		U
117-81-7	Bis(2-ethylhexyl)phthalate	110	360		U
101-55-3	4-Bromophenyl-phenylether	110	360		U
85-68-7	Butylbenzylphthalate	110	360		U
105-60-2	Caprolactam	110	360	1600	
86-74-8	Carbazole	44	360		U
106-47-8	4-Chloroaniline	110	360		U
510-15-6	Chlorobenzilate	110	360		U
59-50-7	4-Chloro-3-methylphenol	110	360		U
91-58-7	2-Chloronaphthalene	110	360		U
95-57-8	2-Chlorophenol	110	360		U
7005-72-3	4-Chlorophenyl-phenylether	110	360		U
218-01-9	Chrysene	44	360		U
2303-16-4	Diallate	110	360		U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW33S-5

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYS001

Matrix: (soil/water) SOIL Lab Sample ID: 0612148-01

Sample wt/vol: 15.4 (g/mL) G Lab File ID: 1214801

% Moisture: 11 decanted: (Y/N) N Date Sampled: 12/14/06 11:20

Extraction: (SepF/Cont/Sonc/Soxh) SOXH Date Extracted:12/21/06

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 01/02/07 15:45

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG MDL	RL	CONC	Q
53-70-3	Dibenz(a,h)anthracene	44	360		U
132-64-9	Dibenzofuran	110	360	190	I
91-94-1	3,3'-Dichlorobenzidine	160	360		U
120-83-2	2,4-Dichlorophenol	110	360		U
87-65-0	2,6-Dichlorophenol	110	360		U
84-66-2	Diethylphthalate	110	360		U
60-51-5	Dimethoate	110	360		U
60-11-7	p-(Dimethylamino)azobenzene	110	360		U
57-97-6	7,12-Dimethylbenz[a]anthrace	110	360		U
119-93-7	3,3'-Dimethylbenzidine	110	360		U
122-09-8	a,a-Dimethyl-phenethylamine	110	360		U
105-67-9	2,4-Dimethylphenol	110	1400		U
131-11-3	Dimethylphthalate	110	360		U
84-74-2	Di-n-butylphthalate	110	360		U
99-65-0	m-Dinitrobenzene	110	360		U
534-52-1	4,6-Dinitro-2-methylphenol	110	1400		U
51-28-5	2,4-Dinitrophenol	110	3600		U
121-14-2	2,4-Dinitrotoluene	110	360		U
606-20-2	2,6-Dinitrotoluene	110	360		U
117-84-0	Di-n-octylphthalate	110	360		U
122-39-4	Diphenylamine	110	360		U
62-50-0	Ethyl methanesulfonate	110	360		U
206-44-0	Fluoranthene	44	360		U
86-73-7	Fluorene	44	360	170	I
118-74-1	Hexachlorobenzene	110	360		U
87-68-3	Hexachlorobutadiene	110	360		U
77-47-4	Hexachlorocyclopentadiene	110	360		U
67-72-1	Hexachloroethane	110	360		U
70-30-4	Hexachlorophene	110	730		U
1888-71-7	Hexachloropropene	110	360		U
193-39-5	Indeno(1,2,3-cd)pyrene	44	360		U
465-73-6	Isodrin	110	360		U
78-59-1	Isophorone	110	360		U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW33S-5

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYS001

Matrix: (soil/water) SOIL Lab Sample ID: 0612148-01

Sample wt/vol: 15.4 (g/mL) G Lab File ID: 1214801

% Moisture: 11 decanted: (Y/N) N Date Sampled: 12/14/06 11:20

Extraction: (SepF/Cont/Sonc/Soxh) SOXH Date Extracted:12/21/06

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 01/02/07 15:45

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	MDL	RL	CONC	Q
120-58-1	Isosafrole	110	360		U
143-50-0	Kepone	110	360		U
91-80-5	Methapyrilene	110	360		U
56-49-5	3-Methylcholanthrene	110	360		U
66-27-3	Methyl methanesulfonate	110	360		U
91-57-6	2-Methylnaphthalene	44	360	1500	
106-44-5	4-Methylphenol	110	360		U
108-39-4	3-Methylphenol	110	360		U
95-48-7	2-Methylphenol	110	360		U
91-20-3	Naphthalene	44	360	220	I
130-15-4	1,4-Naphthoquinone	110	360		U
134-32-7	1-Naphthylamine	110	360		U
91-59-8	2-Naphthylamine	110	360		U
88-74-4	2-Nitroaniline	110	1400		U
99-09-2	3-Nitroaniline	110	1400		U
100-01-6	4-Nitroaniline	110	1400		U
98-95-3	Nitrobenzene	110	360		U
88-75-5	2-Nitrophenol	110	360		U
100-02-7	4-Nitrophenol	110	1400		U
56-57-5	4-Nitroquinoline-1-oxide	110	360		U
924-16-3	N-Nitrosodi-n-butylamine	110	360		U
55-18-5	N-Nitrosodiethylamine	110	360		U
62-75-9	N-Nitroso-di-methylamine	110	360		U
86-30-6	N-Nitrosodiphenylamine (1)	110	360		U
621-64-7	N-Nitroso-di-n-propylamine	110	360		U
10595-95-6	N-Nitrosomethylethylamine	110	360		U
59-89-2	N-Nitrosomorpholine	110	360		U
100-75-4	N-Nitrosopiperidine	110	360		U
930-55-2	N-Nitrosopyrrolidine	110	360		U
99-55-8	5-Nitro-o-toluidine	110	360		U
608-93-5	Pentachlorobenzene	110	360		U
82-68-8	Pentachloronitrobenzene	110	360		U
76-01-7	Pentachloroethane	110	360		U

(1) - Cannot be separated from Diphenylamine

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW33S-5

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYS001

Matrix: (soil/water) SOIL Lab Sample ID: 0612148-01

Sample wt/vol: 15.4 (g/mL) G Lab File ID: 1214801

% Moisture: 11 decanted: (Y/N) N Date Sampled: 12/14/06 11:20

Extraction: (SepF/Cont/Sonc/Soxh) SOXH Date Extracted:12/21/06

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 01/02/07 15:45

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CAS NO.	COMPOUND	CONCENTRATION UNITS: MDL	(ug/L or ug/Kg) RL	UG/KG CONC	Q
87-86-5	Pentachlorophenol	110	1400		U
62-44-2	Phenacetin	110	360		U
85-01-8	Phenanthrene	44	360	75	I
108-95-2	Phenol	110	360		U
106-50-3	p-Phenylenediamine	110	360		U
109-06-8	2-Picoline	110	360		U
23950-58-5	Pronamide	110	360		U
129-00-0	Pyrene	44	360		U
110-86-1	Pyridine	110	1400		U
94-59-7	Safrole	110	360		U
95-94-3	1,2,4,5-Tetrachlorobenzene	110	360		U
58-90-2	2,3,4,6-Tetrachlorophenol	110	360		U
95-53-4	o-Toluidine	110	360		U
120-82-1	1,2,4-Trichlorobenzene	110	360		U
95-95-4	2,4,5-Trichlorophenol	110	360		U
88-06-2	2,4,6-Trichlorophenol	110	360		U
126-68-1	O,O,O-Triethylphosphorothioa	110	360		U
99-35-4	sym-Trinitrobenzene	110	360		U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW33S-26

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYS001

Matrix: (soil/water) SOIL Lab Sample ID: 0612148-02

Sample wt/vol: 15.2 (g/mL) G Lab File ID: 1214802

% Moisture: 4 decanted: (Y/N) N Date Sampled: 12/14/06 11:35

Extraction: (SepF/Cont/Sonc/Soxh) SOXH Date Extracted:12/21/06

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 01/02/07 16:20

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	MDL	RL	CONC	Q
83-32-9	Acenaphthene	41	340		U
208-96-8	Acenaphthylene	41	340		U
98-86-2	Acetophenone	100	340		U
53-96-3	2-Acetylaminofluorene	100	340		U
92-67-1	4-Aminobiphenyl	100	340		U
62-53-3	Aniline	100	340		U
140-57-8	Aramite	100	340		U
120-12-7	Anthracene	41	340		U
1912-24-9	Atrazine	100	340		U
100-52-7	Benzaldehyde	100	340		U
56-55-3	Benzo(a)anthracene	41	340		U
205-99-2	Benzo(b)fluoranthene	41	340		U
207-08-9	Benzo(k)fluoranthene	41	340		U
191-24-2	Benzo(g,h,i)perylene	41	340		U
50-32-8	Benzo(a)pyrene	41	340		U
100-51-6	Benzyl alcohol	100	340		U
92-52-4	1,1'-Biphenyl	100	340		U
111-91-1	bis(2-Chloroethoxy)methane	100	340		U
111-44-4	bis(2-Chloroethyl)ether	100	340		U
108-60-1	bis(2-Chloroisopropyl)ether	100	340		U
117-81-7	Bis(2-ethylhexyl)phthalate	100	340		U
101-55-3	4-Bromophenyl-phenylether	100	340		U
85-68-7	Butylbenzylphthalate	100	340		U
105-60-2	Caprolactam	100	340		U
86-74-8	Carbazole	41	340		U
106-47-8	4-Chloroaniline	100	340		U
510-15-6	Chlorobenzilate	100	340		U
59-50-7	4-Chloro-3-methylphenol	100	340		U
91-58-7	2-Chloronaphthalene	100	340		U
95-57-8	2-Chlorophenol	100	340		U
7005-72-3	4-Chlorophenyl-phenylether	100	340		U
218-01-9	Chrysene	41	340		U
2303-16-4	Diallate	100	340		U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW33S-26

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYS001

Matrix: (soil/water) SOIL Lab Sample ID: 0612148-02

Sample wt/vol: 15.2 (g/mL) G Lab File ID: 1214802

% Moisture: 4 decanted: (Y/N) N Date Sampled: 12/14/06 11:35

Extraction: (SepF/Cont/Sonc/Soxh) SOXH Date Extracted:12/21/06

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 01/02/07 16:20

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	MDL	RL	CONC	Q
53-70-3	Dibenz(a,h)anthracene	41	340		U
132-64-9	Dibenzofuran	100	340		U
91-94-1	3,3'-Dichlorobenzidine	150	340		U
120-83-2	2,4-Dichlorophenol	100	340		U
87-65-0	2,6-Dichlorophenol	100	340		U
84-66-2	Diethylphthalate	100	340		U
60-51-5	Dimethoate	100	340		U
60-11-7	p-(Dimethylamino)azobenzene	100	340		U
57-97-6	7,12-Dimethylbenz[a]anthrace	100	340		U
119-93-7	3,3'-Dimethylbenzidine	100	340		U
122-09-8	a,a-Dimethyl-phenethylamine	100	340		U
105-67-9	2,4-Dimethylphenol	100	1400		U
131-11-3	Dimethylphthalate	100	340		U
84-74-2	Di-n-butylphthalate	100	340		U
99-65-0	m-Dinitrobenzene	100	340		U
534-52-1	4,6-Dinitro-2-methylphenol	100	1400		U
51-28-5	2,4-Dinitrophenol	100	3400		U
121-14-2	2,4-Dinitrotoluene	100	340		U
606-20-2	2,6-Dinitrotoluene	100	340		U
117-84-0	Di-n-octylphthalate	100	340		U
122-39-4	Diphenylamine	100	340		U
62-50-0	Ethyl methanesulfonate	100	340		U
206-44-0	Fluoranthene	41	340		U
86-73-7	Fluorene	41	340		U
118-74-1	Hexachlorobenzene	100	340		U
87-68-3	Hexachlorobutadiene	100	340		U
77-47-4	Hexachlorocyclopentadiene	100	340		U
67-72-1	Hexachloroethane	100	340		U
70-30-4	Hexachlorophene	100	690		U
1888-71-7	Hexachloropropene	100	340		U
193-39-5	Indeno(1,2,3-cd)pyrene	41	340		U
465-73-6	Isodrin	100	340		U
78-59-1	Isophorone	100	340		U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW33S-26

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYS001

Matrix: (soil/water) SOIL Lab Sample ID: 0612148-02

Sample wt/vol: 15.2 (g/mL) G Lab File ID: 1214802

% Moisture: 4 decanted: (Y/N) N Date Sampled: 12/14/06 11:35

Extraction: (SepF/Cont/Sonc/Soxh) SOXH Date Extracted:12/21/06

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 01/02/07 16:20

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	MDL	RL	CONC	Q
120-58-1	Isosafrole	100	340		U
143-50-0	Kepone	100	340		U
91-80-5	Methapyrilene	100	340		U
56-49-5	3-Methylcholanthrene	100	340		U
66-27-3	Methyl methanesulfonate	100	340		U
91-57-6	2-Methylnaphthalene	41	340		U
106-44-5	4-Methylphenol	100	340		U
108-39-4	3-Methylphenol	100	340		U
95-48-7	2-Methylphenol	100	340		U
91-20-3	Naphthalene	41	340		U
130-15-4	1,4-Naphthoquinone	100	340		U
134-32-7	1-Naphthylamine	100	340		U
91-59-8	2-Naphthylamine	100	340		U
88-74-4	2-Nitroaniline	100	1400		U
99-09-2	3-Nitroaniline	100	1400		U
100-01-6	4-Nitroaniline	100	1400		U
98-95-3	Nitrobenzene	100	340		U
88-75-5	2-Nitrophenol	100	340		U
100-02-7	4-Nitrophenol	100	1400		U
56-57-5	4-Nitroquinoline-1-oxide	100	340		U
924-16-3	N-Nitrosodi-n-butylamine	100	340		U
55-18-5	N-Nitrosodiethylamine	100	340		U
62-75-9	N-Nitroso-di-methylamine	100	340		U
86-30-6	N-Nitrosodiphenylamine (1)	100	340		U
621-64-7	N-Nitroso-di-n-propylamine	100	340		U
10595-95-6	N-Nitrosomethylethylamine	100	340		U
59-89-2	N-Nitrosomorpholine	100	340		U
100-75-4	N-Nitrosopiperidine	100	340		U
930-55-2	N-Nitrosopyrrolidine	100	340		U
99-55-8	5-Nitro-o-toluidine	100	340		U
608-93-5	Pentachlorobenzene	100	340		U
82-68-8	Pentachloronitrobenzene	100	340		U
76-01-7	Pentachloroethane	100	340		U

(1) - Cannot be separated from Diphenylamine

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW33S-26

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYS001

Matrix: (soil/water) SOIL Lab Sample ID: 0612148-02

Sample wt/vol: 15.2 (g/mL) G Lab File ID: 1214802

% Moisture: 4 decanted: (Y/N) N Date Sampled: 12/14/06 11:35

Extraction: (SepF/Cont/Sonc/Soxh) SOXH Date Extracted:12/21/06

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 01/02/07 16:20

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CAS NO.	COMPOUND	CONCENTRATION UNITS: MDL	(ug/L or ug/Kg) RL	UG/KG CONC	Q
87-86-5	Pentachlorophenol	100	1400		U
62-44-2	Phenacetin	100	340		U
85-01-8	Phenanthrene	41	340		U
108-95-2	Phenol	100	340		U
106-50-3	p-Phenylenediamine	100	340		U
109-06-8	2-Picoline	100	340		U
23950-58-5	Pronamide	100	340		U
129-00-0	Pyrene	41	340		U
110-86-1	Pyridine	100	1400		U
94-59-7	Safrole	100	340		U
95-94-3	1,2,4,5-Tetrachlorobenzene	100	340		U
58-90-2	2,3,4,6-Tetrachlorophenol	100	340		U
95-53-4	o-Toluidine	100	340		U
120-82-1	1,2,4-Trichlorobenzene	100	340		U
95-95-4	2,4,5-Trichlorophenol	100	340		U
88-06-2	2,4,6-Trichlorophenol	100	340		U
126-68-1	O,O,O-Triethylphosphorothioa	100	340		U
99-35-4	sym-Trinitrobenzene	100	340		U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW35S-29

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYS001

Matrix: (soil/water) SOIL Lab Sample ID: 0612148-03

Sample wt/vol: 15.3 (g/mL) G Lab File ID: 1214803

% Moisture: 6 decanted: (Y/N) N Date Sampled: 12/14/06 13:40

Extraction: (SepF/Cont/Sonc/Soxh) SOXH Date Extracted:12/21/06

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 01/02/07 16:56

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG MDL	RL	CONC	Q
83-32-9	Acenaphthene	42	350		U
208-96-8	Acenaphthylene	42	350		U
98-86-2	Acetophenone	100	350		U
53-96-3	2-Acetylaminofluorene	100	350		U
92-67-1	4-Aminobiphenyl	100	350		U
62-53-3	Aniline	100	350		U
140-57-8	Aramite	100	350		U
120-12-7	Anthracene	42	350		U
1912-24-9	Atrazine	100	350		U
100-52-7	Benzaldehyde	100	350		U
56-55-3	Benzo(a)anthracene	42	350		U
205-99-2	Benzo(b)fluoranthene	42	350		U
207-08-9	Benzo(k)fluoranthene	42	350		U
191-24-2	Benzo(g,h,i)perylene	42	350		U
50-32-8	Benzo(a)pyrene	42	350		U
100-51-6	Benzyl alcohol	100	350		U
92-52-4	1,1'-Biphenyl	100	350		U
111-91-1	bis(2-Chloroethoxy)methane	100	350		U
111-44-4	bis(2-Chloroethyl)ether	100	350		U
108-60-1	bis(2-Chloroisopropyl)ether	100	350		U
117-81-7	Bis(2-ethylhexyl)phthalate	100	350		U
101-55-3	4-Bromophenyl-phenylether	100	350		U
85-68-7	Butylbenzylphthalate	100	350		U
105-60-2	Caprolactam	100	350		U
86-74-8	Carbazole	42	350		U
106-47-8	4-Chloroaniline	100	350		U
510-15-6	Chlorobenzilate	100	350		U
59-50-7	4-Chloro-3-methylphenol	100	350		U
91-58-7	2-Chloronaphthalene	100	350		U
95-57-8	2-Chlorophenol	100	350		U
7005-72-3	4-Chlorophenyl-phenylether	100	350		U
218-01-9	Chrysene	42	350		U
2303-16-4	Diallate	100	350		U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW35S-29

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYS001

Matrix: (soil/water) SOIL Lab Sample ID: 0612148-03

Sample wt/vol: 15.3 (g/mL) G Lab File ID: 1214803

% Moisture: 6 decanted: (Y/N) N Date Sampled: 12/14/06 13:40

Extraction: (SepF/Cont/Sonc/Soxh) SOXH Date Extracted:12/21/06

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 01/02/07 16:56

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	MDL	RL	CONC	Q
53-70-3	Dibenz(a,h)anthracene	42	350		U
132-64-9	Dibenzofuran	100	350		U
91-94-1	3,3'-Dichlorobenzidine	160	350		U
120-83-2	2,4-Dichlorophenol	100	350		U
87-65-0	2,6-Dichlorophenol	100	350		U
84-66-2	Diethylphthalate	100	350		U
60-51-5	Dimethoate	100	350		U
60-11-7	p-(Dimethylamino)azobenzene	100	350		U
57-97-6	7,12-Dimethylbenz[a]anthrace	100	350		U
119-93-7	3,3'-Dimethylbenzidine	100	350		U
122-09-8	a,a-Dimethyl-phenethylamine	100	350		U
105-67-9	2,4-Dimethylphenol	100	1400		U
131-11-3	Dimethylphthalate	100	350		U
84-74-2	Di-n-butylphthalate	100	350		U
99-65-0	m-Dinitrobenzene	100	350		U
534-52-1	4,6-Dinitro-2-methylphenol	100	1400		U
51-28-5	2,4-Dinitrophenol	100	3500		U
121-14-2	2,4-Dinitrotoluene	100	350		U
606-20-2	2,6-Dinitrotoluene	100	350		U
117-84-0	Di-n-octylphthalate	100	350		U
122-39-4	Diphenylamine	100	350		U
62-50-0	Ethyl methanesulfonate	100	350		U
206-44-0	Fluoranthene	42	350		U
86-73-7	Fluorene	42	350		U
118-74-1	Hexachlorobenzene	100	350		U
87-68-3	Hexachlorobutadiene	100	350		U
77-47-4	Hexachlorocyclopentadiene	100	350		U
67-72-1	Hexachloroethane	100	350		U
70-30-4	Hexachlorophene	100	690		U
1888-71-7	Hexachloropropene	100	350		U
193-39-5	Indeno(1,2,3-cd)pyrene	42	350		U
465-73-6	Isodrin	100	350		U
78-59-1	Isophorone	100	350		U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW35S-29

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYS001

Matrix: (soil/water) SOIL Lab Sample ID: 0612148-03

Sample wt/vol: 15.3 (g/mL) G Lab File ID: 1214803

% Moisture: 6 decanted: (Y/N) N Date Sampled: 12/14/06 13:40

Extraction: (SepF/Cont/Sonc/Soxh) SOXH Date Extracted:12/21/06

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 01/02/07 16:56

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	MDL	RL	CONC	Q
120-58-1	Isosafrole	100	350		U
143-50-0	Kepone	100	350		U
91-80-5	Methapyrilene	100	350		U
56-49-5	3-Methylcholanthrene	100	350		U
66-27-3	Methyl methanesulfonate	100	350		U
91-57-6	2-Methylnaphthalene	42	350		U
106-44-5	4-Methylphenol	100	350		U
108-39-4	3-Methylphenol	100	350		U
95-48-7	2-Methylphenol	100	350		U
91-20-3	Naphthalene	42	350		U
130-15-4	1,4-Naphthoquinone	100	350		U
134-32-7	1-Naphthylamine	100	350		U
91-59-8	2-Naphthylamine	100	350		U
88-74-4	2-Nitroaniline	100	1400		U
99-09-2	3-Nitroaniline	100	1400		U
100-01-6	4-Nitroaniline	100	1400		U
98-95-3	Nitrobenzene	100	350		U
88-75-5	2-Nitrophenol	100	350		U
100-02-7	4-Nitrophenol	100	1400		U
56-57-5	4-Nitroquinoline-1-oxide	100	350		U
924-16-3	N-Nitrosodi-n-butylamine	100	350		U
55-18-5	N-Nitrosodiethylamine	100	350		U
62-75-9	N-Nitroso-di-methylamine	100	350		U
86-30-6	N-Nitrosodiphenylamine (1)	100	350		U
621-64-7	N-Nitroso-di-n-propylamine	100	350		U
10595-95-6	N-Nitrosomethylethylamine	100	350		U
59-89-2	N-Nitrosomorpholine	100	350		U
100-75-4	N-Nitrosopiperidine	100	350		U
930-55-2	N-Nitrosopyrrolidine	100	350		U
99-55-8	5-Nitro-o-toluidine	100	350		U
608-93-5	Pentachlorobenzene	100	350		U
82-68-8	Pentachloronitrobenzene	100	350		U
76-01-7	Pentachloroethane	100	350		U

(1) - Cannot be separated from Diphenylamine

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW35S-29

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYS001

Matrix: (soil/water) SOIL Lab Sample ID: 0612148-03

Sample wt/vol: 15.3 (g/mL) G Lab File ID: 1214803

% Moisture: 6 decanted: (Y/N) N Date Sampled: 12/14/06 13:40

Extraction: (SepF/Cont/Sonc/Soxh) SOXH Date Extracted:12/21/06

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 01/02/07 16:56

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	MDL	RL	CONC	Q
87-86-5	Pentachlorophenol	100	1400		U
62-44-2	Phenacetin	100	350		U
85-01-8	Phenanthrene	42	350		U
108-95-2	Phenol	100	350		U
106-50-3	p-Phenylenediamine	100	350		U
109-06-8	2-Picoline	100	350		U
23950-58-5	Pronamide	100	350		U
129-00-0	Pyrene	42	350		U
110-86-1	Pyridine	100	1400		U
94-59-7	Safrole	100	350		U
95-94-3	1,2,4,5-Tetrachlorobenzene	100	350		U
58-90-2	2,3,4,6-Tetrachlorophenol	100	350		U
95-53-4	o-Toluidine	100	350		U
120-82-1	1,2,4-Trichlorobenzene	100	350		U
95-95-4	2,4,5-Trichlorophenol	100	350		U
88-06-2	2,4,6-Trichlorophenol	100	350		U
126-68-1	O,O,O-Triethylphosphorothioa	100	350		U
99-35-4	sym-Trinitrobenzene	100	350		U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW36S-25

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYS001

Matrix: (soil/water) SOIL Lab Sample ID: 0612148-04

Sample wt/vol: 15.2 (g/mL) G Lab File ID: 1214804

% Moisture: 5 decanted: (Y/N) N Date Sampled: 12/14/06 15:10

Extraction: (SepF/Cont/Sonc/Soxh) SOXH Date Extracted:12/21/06

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 01/02/07 17:31

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	MDL	RL	CONC	Q
83-32-9	Acenaphthene	42	350		U
208-96-8	Acenaphthylene	42	350		U
98-86-2	Acetophenone	100	350		U
53-96-3	2-Acetylaminofluorene	100	350		U
92-67-1	4-Aminobiphenyl	100	350		U
62-53-3	Aniline	100	350		U
140-57-8	Aramite	100	350		U
120-12-7	Anthracene	42	350		U
1912-24-9	Atrazine	100	350		U
100-52-7	Benzaldehyde	100	350		U
56-55-3	Benzo(a)anthracene	42	350		U
205-99-2	Benzo(b)fluoranthene	42	350		U
207-08-9	Benzo(k)fluoranthene	42	350		U
191-24-2	Benzo(g,h,i)perylene	42	350		U
50-32-8	Benzo(a)pyrene	42	350		U
100-51-6	Benzyl alcohol	100	350		U
92-52-4	1,1'-Biphenyl	100	350		U
111-91-1	bis(2-Chloroethoxy)methane	100	350		U
111-44-4	bis(2-Chloroethyl)ether	100	350		U
108-60-1	bis(2-Chloroisopropyl)ether	100	350		U
117-81-7	Bis(2-ethylhexyl)phthalate	100	350		U
101-55-3	4-Bromophenyl-phenylether	100	350		U
85-68-7	Butylbenzylphthalate	100	350		U
105-60-2	Caprolactam	100	350		U
86-74-8	Carbazole	42	350		U
106-47-8	4-Chloroaniline	100	350		U
510-15-6	Chlorobenzilate	100	350		U
59-50-7	4-Chloro-3-methylphenol	100	350		U
91-58-7	2-Chloronaphthalene	100	350		U
95-57-8	2-Chlorophenol	100	350		U
7005-72-3	4-Chlorophenyl-phenylether	100	350		U
218-01-9	Chrysene	42	350		U
2303-16-4	Diallate	100	350		U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW36S-25

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYS001

Matrix: (soil/water) SOIL Lab Sample ID: 0612148-04

Sample wt/vol: 15.2 (g/mL) G Lab File ID: 1214804

% Moisture: 5 decanted: (Y/N) N Date Sampled: 12/14/06 15:10

Extraction: (SepF/Cont/Sonc/Soxh) SOXH Date Extracted:12/21/06

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 01/02/07 17:31

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CAS NO.	COMPOUND	CONCENTRATION UNITS: MDL	(ug/L or ug/Kg) RL	UG/KG CONC	Q
53-70-3	Dibenz(a,h)anthracene	42	350		U
132-64-9	Dibenzofuran	100	350		U
91-94-1	3,3'-Dichlorobenzidine	160	350		U
120-83-2	2,4-Dichlorophenol	100	350		U
87-65-0	2,6-Dichlorophenol	100	350		U
84-66-2	Diethylphthalate	100	350		U
60-51-5	Dimethoate	100	350		U
60-11-7	p-(Dimethylamino)azobenzene	100	350		U
57-97-6	7,12-Dimethylbenz[a]anthrace	100	350		U
119-93-7	3,3'-Dimethylbenzidine	100	350		U
122-09-8	a,a-Dimethyl-phenethylamine	100	350		U
105-67-9	2,4-Dimethylphenol	100	1400		U
131-11-3	Dimethylphthalate	100	350		U
84-74-2	Di-n-butylphthalate	100	350		U
99-65-0	m-Dinitrobenzene	100	350		U
534-52-1	4,6-Dinitro-2-methylphenol	100	1400		U
51-28-5	2,4-Dinitrophenol	100	3500		U
121-14-2	2,4-Dinitrotoluene	100	350		U
606-20-2	2,6-Dinitrotoluene	100	350		U
117-84-0	Di-n-octylphthalate	100	350		U
122-39-4	Diphenylamine	100	350		U
62-50-0	Ethyl methanesulfonate	100	350		U
206-44-0	Fluoranthene	42	350		U
86-73-7	Fluorene	42	350		U
118-74-1	Hexachlorobenzene	100	350		U
87-68-3	Hexachlorobutadiene	100	350		U
77-47-4	Hexachlorocyclopentadiene	100	350		U
67-72-1	Hexachloroethane	100	350		U
70-30-4	Hexachlorophene	100	690		U
1888-71-7	Hexachloropropene	100	350		U
193-39-5	Indeno(1,2,3-cd)pyrene	42	350		U
465-73-6	Isodrin	100	350		U
78-59-1	Isophorone	100	350		U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW36S-25

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYS001

Matrix: (soil/water) SOIL Lab Sample ID: 0612148-04

Sample wt/vol: 15.2 (g/mL) G Lab File ID: 1214804

% Moisture: 5 decanted: (Y/N) N Date Sampled: 12/14/06 15:10

Extraction: (SepF/Cont/Sonc/Soxh) SOXH Date Extracted:12/21/06

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 01/02/07 17:31

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	MDL	RL	CONC	Q
120-58-1	Isosafrole	100	350		U
143-50-0	Kepone	100	350		U
91-80-5	Methapyrilene	100	350		U
56-49-5	3-Methylcholanthrene	100	350		U
66-27-3	Methyl methanesulfonate	100	350		U
91-57-6	2-Methylnaphthalene	42	350		U
106-44-5	4-Methylphenol	100	350		U
108-39-4	3-Methylphenol	100	350		U
95-48-7	2-Methylphenol	100	350		U
91-20-3	Naphthalene	42	350		U
130-15-4	1,4-Naphthoquinone	100	350		U
134-32-7	1-Naphthylamine	100	350		U
91-59-8	2-Naphthylamine	100	350		U
88-74-4	2-Nitroaniline	100	1400		U
99-09-2	3-Nitroaniline	100	1400		U
100-01-6	4-Nitroaniline	100	1400		U
98-95-3	Nitrobenzene	100	350		U
88-75-5	2-Nitrophenol	100	350		U
100-02-7	4-Nitrophenol	100	1400		U
56-57-5	4-Nitroquinoline-1-oxide	100	350		U
924-16-3	N-Nitrosodi-n-butylamine	100	350		U
55-18-5	N-Nitrosodiethylamine	100	350		U
62-75-9	N-Nitroso-di-methylamine	100	350		U
86-30-6	N-Nitrosodiphenylamine (1)	100	350		U
621-64-7	N-Nitroso-di-n-propylamine	100	350		U
10595-95-6	N-Nitrosomethylethylamine	100	350		U
59-89-2	N-Nitrosomorpholine	100	350		U
100-75-4	N-Nitrosopiperidine	100	350		U
930-55-2	N-Nitrosopyrrolidine	100	350		U
99-55-8	5-Nitro-o-toluidine	100	350		U
608-93-5	Pentachlorobenzene	100	350		U
82-68-8	Pentachloronitrobenzene	100	350		U
76-01-7	Pentachloroethane	100	350		U

(1) - Cannot be separated from Diphenylamine

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW36S-25

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYS001

Matrix: (soil/water) SOIL Lab Sample ID: 0612148-04

Sample wt/vol: 15.2 (g/mL) G Lab File ID: 1214804

% Moisture: 5 decanted: (Y/N) N Date Sampled: 12/14/06 15:10

Extraction: (SepF/Cont/Sonc/Soxh) SOXH Date Extracted:12/21/06

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 01/02/07 17:31

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	MDL	RL	CONC	Q
87-86-5	Pentachlorophenol	100	1400		U
62-44-2	Phenacetin	100	350		U
85-01-8	Phenanthrene	42	350		U
108-95-2	Phenol	100	350		U
106-50-3	p-Phenylenediamine	100	350		U
109-06-8	2-Picoline	100	350		U
23950-58-5	Pronamide	100	350		U
129-00-0	Pyrene	42	350		U
110-86-1	Pyridine	100	1400		U
94-59-7	Safrole	100	350		U
95-94-3	1,2,4,5-Tetrachlorobenzene	100	350		U
58-90-2	2,3,4,6-Tetrachlorophenol	100	350		U
95-53-4	o-Toluidine	100	350		U
120-82-1	1,2,4-Trichlorobenzene	100	350		U
95-95-4	2,4,5-Trichlorophenol	100	350		U
88-06-2	2,4,6-Trichlorophenol	100	350		U
126-68-1	O,O,O-Triethylphosphorothioa	100	350		U
99-35-4	sym-Trinitrobenzene	100	350		U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-SB2-S-26

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYS001

Matrix: (soil/water) SOIL Lab Sample ID: 0612161-02

Sample wt/vol: 15.2 (g/mL) G Lab File ID: 1216102

% Moisture: 12 decanted: (Y/N) N Date Sampled: 12/15/06 08:55

Extraction: (SepF/Cont/Sonc/Soxh) SOXH Date Extracted:12/21/06

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 01/02/07 18:07

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	MDL	RL	CONC	Q
83-32-9	Acenaphthene	45	370		U
208-96-8	Acenaphthylene	45	370		U
98-86-2	Acetophenone	110	370		U
53-96-3	2-Acetylaminofluorene	110	370		U
92-67-1	4-Aminobiphenyl	110	370		U
62-53-3	Aniline	110	370		U
140-57-8	Aramite	110	370		U
120-12-7	Anthracene	45	370		U
1912-24-9	Atrazine	110	370		U
100-52-7	Benzaldehyde	110	370		U
56-55-3	Benzo(a)anthracene	45	370		U
205-99-2	Benzo(b)fluoranthene	45	370		U
207-08-9	Benzo(k)fluoranthene	45	370		U
191-24-2	Benzo(g,h,i)perylene	45	370		U
50-32-8	Benzo(a)pyrene	45	370		U
100-51-6	Benzyl alcohol	110	370		U
92-52-4	1,1'-Biphenyl	110	370		U
111-91-1	bis(2-Chloroethoxy)methane	110	370		U
111-44-4	bis(2-Chloroethyl)ether	110	370		U
108-60-1	bis(2-Chloroisopropyl)ether	110	370		U
117-81-7	Bis(2-ethylhexyl)phthalate	110	370		U
101-55-3	4-Bromophenyl-phenylether	110	370		U
85-68-7	Butylbenzylphthalate	110	370		U
105-60-2	Caprolactam	110	370		U
86-74-8	Carbazole	45	370		U
106-47-8	4-Chloroaniline	110	370		U
510-15-6	Chlorobenzilate	110	370		U
59-50-7	4-Chloro-3-methylphenol	110	370		U
91-58-7	2-Chloronaphthalene	110	370		U
95-57-8	2-Chlorophenol	110	370		U
7005-72-3	4-Chlorophenyl-phenylether	110	370		U
218-01-9	Chrysene	45	370		U
2303-16-4	Diallate	110	370		U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-SB2-S-26

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYS001

Matrix: (soil/water) SOIL Lab Sample ID: 0612161-02

Sample wt/vol: 15.2 (g/mL) G Lab File ID: 1216102

% Moisture: 12 decanted: (Y/N) N Date Sampled: 12/15/06 08:55

Extraction: (SepF/Cont/Sonc/Soxh) SOXH Date Extracted:12/21/06

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 01/02/07 18:07

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CAS NO.	COMPOUND	CONCENTRATION UNITS: MDL	(ug/L or ug/Kg) RL	UG/KG CONC	Q
53-70-3	Dibenz(a,h)anthracene	45	370		U
132-64-9	Dibenzofuran	110	370		U
91-94-1	3,3'-Dichlorobenzidine	170	370		U
120-83-2	2,4-Dichlorophenol	110	370		U
87-65-0	2,6-Dichlorophenol	110	370		U
84-66-2	Diethylphthalate	110	370		U
60-51-5	Dimethoate	110	370		U
60-11-7	p-(Dimethylamino)azobenzene	110	370		U
57-97-6	7,12-Dimethylbenz[a]anthrace	110	370		U
119-93-7	3,3'-Dimethylbenzidine	110	370		U
122-09-8	a,a-Dimethyl-phenethylamine	110	370		U
105-67-9	2,4-Dimethylphenol	110	1500		U
131-11-3	Dimethylphthalate	110	370		U
84-74-2	Di-n-butylphthalate	110	370		U
99-65-0	m-Dinitrobenzene	110	370		U
534-52-1	4,6-Dinitro-2-methylphenol	110	1500		U
51-28-5	2,4-Dinitrophenol	110	3700		U
121-14-2	2,4-Dinitrotoluene	110	370		U
606-20-2	2,6-Dinitrotoluene	110	370		U
117-84-0	Di-n-octylphthalate	110	370		U
122-39-4	Diphenylamine	110	370		U
62-50-0	Ethyl methanesulfonate	110	370		U
206-44-0	Fluoranthene	45	370		U
86-73-7	Fluorene	45	370		U
118-74-1	Hexachlorobenzene	110	370		U
87-68-3	Hexachlorobutadiene	110	370		U
77-47-4	Hexachlorocyclopentadiene	110	370		U
67-72-1	Hexachloroethane	110	370		U
70-30-4	Hexachlorophene	110	740		U
1888-71-7	Hexachloropropene	110	370		U
193-39-5	Indeno(1,2,3-cd)pyrene	45	370		U
465-73-6	Isodrin	110	370		U
78-59-1	Isophorone	110	370		U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-SB2-S-26

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYS001

Matrix: (soil/water) SOIL Lab Sample ID: 0612161-02

Sample wt/vol: 15.2 (g/mL) G Lab File ID: 1216102

% Moisture: 12 decanted: (Y/N) N Date Sampled: 12/15/06 08:55

Extraction: (SepF/Cont/Sonc/Soxh) SOXH Date Extracted:12/21/06

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 01/02/07 18:07

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	MDL	RL	CONC	Q
120-58-1	Isosafrole	110	370		U
143-50-0	Kepone	110	370		U
91-80-5	Methapyrilene	110	370		U
56-49-5	3-Methylcholanthrene	110	370		U
66-27-3	Methyl methanesulfonate	110	370		U
91-57-6	2-Methylnaphthalene	45	370		U
106-44-5	4-Methylphenol	110	370		U
108-39-4	3-Methylphenol	110	370		U
95-48-7	2-Methylphenol	110	370		U
91-20-3	Naphthalene	45	370		U
130-15-4	1,4-Naphthoquinone	110	370		U
134-32-7	1-Naphthylamine	110	370		U
91-59-8	2-Naphthylamine	110	370		U
88-74-4	2-Nitroaniline	110	1500		U
99-09-2	3-Nitroaniline	110	1500		U
100-01-6	4-Nitroaniline	110	1500		U
98-95-3	Nitrobenzene	110	370		U
88-75-5	2-Nitrophenol	110	370		U
100-02-7	4-Nitrophenol	110	1500		U
56-57-5	4-Nitroquinoline-1-oxide	110	370		U
924-16-3	N-Nitrosodi-n-butylamine	110	370		U
55-18-5	N-Nitrosodiethylamine	110	370		U
62-75-9	N-Nitroso-di-methylamine	110	370		U
86-30-6	N-Nitrosodiphenylamine (1)	110	370		U
621-64-7	N-Nitroso-di-n-propylamine	110	370		U
10595-95-6	N-Nitrosomethylethylamine	110	370		U
59-89-2	N-Nitrosomorpholine	110	370		U
100-75-4	N-Nitrosopiperidine	110	370		U
930-55-2	N-Nitrosopyrrolidine	110	370		U
99-55-8	5-Nitro-o-toluidine	110	370		U
608-93-5	Pentachlorobenzene	110	370		U
82-68-8	Pentachloronitrobenzene	110	370		U
76-01-7	Pentachloroethane	110	370		U

(1) - Cannot be separated from Diphenylamine

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-SB2-S-26

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYS001

Matrix: (soil/water) SOIL Lab Sample ID: 0612161-02

Sample wt/vol: 15.2 (g/mL) G Lab File ID: 1216102

% Moisture: 12 decanted: (Y/N) N Date Sampled: 12/15/06 08:55

Extraction: (SepF/Cont/Sonc/Soxh) SOXH Date Extracted:12/21/06

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 01/02/07 18:07

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	MDL	RL	CONC	Q
87-86-5	Pentachlorophenol	110	1500		U
62-44-2	Phenacetin	110	370		U
85-01-8	Phenanthrene	45	370		U
108-95-2	Phenol	110	370		U
106-50-3	p-Phenylenediamine	110	370		U
109-06-8	2-Picoline	110	370		U
23950-58-5	Pronamide	110	370		U
129-00-0	Pyrene	45	370		U
110-86-1	Pyridine	110	1500		U
94-59-7	Safrole	110	370		U
95-94-3	1,2,4,5-Tetrachlorobenzene	110	370		U
58-90-2	2,3,4,6-Tetrachlorophenol	110	370		U
95-53-4	o-Toluidine	110	370		U
120-82-1	1,2,4-Trichlorobenzene	110	370		U
95-95-4	2,4,5-Trichlorophenol	110	370		U
88-06-2	2,4,6-Trichlorophenol	110	370		U
126-68-1	O,O,O-Triethylphosphorothioa	110	370		U
99-35-4	sym-Trinitrobenzene	110	370		U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-SB3-S-26

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYS001

Matrix: (soil/water) SOIL Lab Sample ID: 0612161-04

Sample wt/vol: 15.2 (g/mL) G Lab File ID: 1216104

% Moisture: 9 decanted: (Y/N) N Date Sampled: 12/15/06 09:30

Extraction: (SepF/Cont/Sonc/Soxh) SOXH Date Extracted:12/21/06

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 01/02/07 18:42

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CAS NO.	COMPOUND	CONCENTRATION UNITS: MDL	(ug/L or ug/Kg) RL	UG/KG CONC	Q
83-32-9	Acenaphthene	43	360		U
208-96-8	Acenaphthylene	43	360		U
98-86-2	Acetophenone	110	360		U
53-96-3	2-Acetylaminofluorene	110	360		U
92-67-1	4-Aminobiphenyl	110	360		U
62-53-3	Aniline	110	360		U
140-57-8	Aramite	110	360		U
120-12-7	Anthracene	43	360		U
1912-24-9	Atrazine	110	360		U
100-52-7	Benzaldehyde	110	360		U
56-55-3	Benzo(a)anthracene	43	360		U
205-99-2	Benzo(b)fluoranthene	43	360		U
207-08-9	Benzo(k)fluoranthene	43	360		U
191-24-2	Benzo(g,h,i)perylene	43	360		U
50-32-8	Benzo(a)pyrene	43	360		U
100-51-6	Benzyl alcohol	110	360		U
92-52-4	1,1'-Biphenyl	110	360		U
111-91-1	bis(2-Chloroethoxy)methane	110	360		U
111-44-4	bis(2-Chloroethyl)ether	110	360		U
108-60-1	bis(2-Chloroisopropyl)ether	110	360		U
117-81-7	Bis(2-ethylhexyl)phthalate	110	360		U
101-55-3	4-Bromophenyl-phenylether	110	360		U
85-68-7	Butylbenzylphthalate	110	360		U
105-60-2	Caprolactam	110	360		U
86-74-8	Carbazole	43	360		U
106-47-8	4-Chloroaniline	110	360		U
510-15-6	Chlorobenzilate	110	360		U
59-50-7	4-Chloro-3-methylphenol	110	360		U
91-58-7	2-Chloronaphthalene	110	360		U
95-57-8	2-Chlorophenol	110	360		U
7005-72-3	4-Chlorophenyl-phenylether	110	360		U
218-01-9	Chrysene	43	360		U
2303-16-4	Diallate	110	360		U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-SB3-S-26

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYS001

Matrix: (soil/water) SOIL Lab Sample ID: 0612161-04

Sample wt/vol: 15.2 (g/mL) G Lab File ID: 1216104

% Moisture: 9 decanted: (Y/N) N Date Sampled: 12/15/06 09:30

Extraction: (SepF/Cont/Sonc/Soxh) SOXH Date Extracted:12/21/06

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 01/02/07 18:42

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG MDL	RL	CONC	Q
53-70-3	Dibenz(a,h)anthracene	43	360		U
132-64-9	Dibenzofuran	110	360		U
91-94-1	3,3'-Dichlorobenzidine	160	360		U
120-83-2	2,4-Dichlorophenol	110	360		U
87-65-0	2,6-Dichlorophenol	110	360		U
84-66-2	Diethylphthalate	110	360		U
60-51-5	Dimethoate	110	360		U
60-11-7	p-(Dimethylamino)azobenzene	110	360		U
57-97-6	7,12-Dimethylbenz[a]anthrace	110	360		U
119-93-7	3,3'-Dimethylbenzidine	110	360		U
122-09-8	a,a-Dimethyl-phenethylamine	110	360		U
105-67-9	2,4-Dimethylphenol	110	1400		U
131-11-3	Dimethylphthalate	110	360		U
84-74-2	Di-n-butylphthalate	110	360		U
99-65-0	m-Dinitrobenzene	110	360		U
534-52-1	4,6-Dinitro-2-methylphenol	110	1400		U
51-28-5	2,4-Dinitrophenol	110	3600		U
121-14-2	2,4-Dinitrotoluene	110	360		U
606-20-2	2,6-Dinitrotoluene	110	360		U
117-84-0	Di-n-octylphthalate	110	360		U
122-39-4	Diphenylamine	110	360		U
62-50-0	Ethyl methanesulfonate	110	360		U
206-44-0	Fluoranthene	43	360		U
86-73-7	Fluorene	43	360		U
118-74-1	Hexachlorobenzene	110	360		U
87-68-3	Hexachlorobutadiene	110	360		U
77-47-4	Hexachlorocyclopentadiene	110	360		U
67-72-1	Hexachloroethane	110	360		U
70-30-4	Hexachlorophene	110	720		U
1888-71-7	Hexachloropropene	110	360		U
193-39-5	Indeno(1,2,3-cd)pyrene	43	360		U
465-73-6	Isodrin	110	360		U
78-59-1	Isophorone	110	360		U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-SB3-S-26

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYS001

Matrix: (soil/water) SOIL Lab Sample ID: 0612161-04

Sample wt/vol: 15.2 (g/mL) G Lab File ID: 1216104

% Moisture: 9 decanted: (Y/N) N Date Sampled: 12/15/06 09:30

Extraction: (SepF/Cont/Sonc/Soxh) SOXH Date Extracted:12/21/06

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 01/02/07 18:42

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	MDL	RL	CONC	Q
120-58-1	Isosafrole	110	360		U
143-50-0	Kepone	110	360		U
91-80-5	Methapyrilene	110	360		U
56-49-5	3-Methylcholanthrene	110	360		U
66-27-3	Methyl methanesulfonate	110	360		U
91-57-6	2-Methylnaphthalene	43	360		U
106-44-5	4-Methylphenol	110	360		U
108-39-4	3-Methylphenol	110	360		U
95-48-7	2-Methylphenol	110	360		U
91-20-3	Naphthalene	43	360		U
130-15-4	1,4-Naphthoquinone	110	360		U
134-32-7	1-Naphthylamine	110	360		U
91-59-8	2-Naphthylamine	110	360		U
88-74-4	2-Nitroaniline	110	1400		U
99-09-2	3-Nitroaniline	110	1400		U
100-01-6	4-Nitroaniline	110	1400		U
98-95-3	Nitrobenzene	110	360		U
88-75-5	2-Nitrophenol	110	360		U
100-02-7	4-Nitrophenol	110	1400		U
56-57-5	4-Nitroquinoline-1-oxide	110	360		U
924-16-3	N-Nitrosodi-n-butylamine	110	360		U
55-18-5	N-Nitrosodiethylamine	110	360		U
62-75-9	N-Nitroso-di-methylamine	110	360		U
86-30-6	N-Nitrosodiphenylamine (1)	110	360		U
621-64-7	N-Nitroso-di-n-propylamine	110	360		U
10595-95-6	N-Nitrosomethylethylamine	110	360		U
59-89-2	N-Nitrosomorpholine	110	360		U
100-75-4	N-Nitrosopiperidine	110	360		U
930-55-2	N-Nitrosopyrrolidine	110	360		U
99-55-8	5-Nitro-o-toluidine	110	360		U
608-93-5	Pentachlorobenzene	110	360		U
82-68-8	Pentachloronitrobenzene	110	360		U
76-01-7	Pentachloroethane	110	360		U

(1) - Cannot be separated from Diphenylamine

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-SB3-S-26

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYS001

Matrix: (soil/water) SOIL Lab Sample ID: 0612161-04

Sample wt/vol: 15.2 (g/mL) G Lab File ID: 1216104

% Moisture: 9 decanted: (Y/N) N Date Sampled: 12/15/06 09:30

Extraction: (SepF/Cont/Sonc/Soxh) SOXH Date Extracted:12/21/06

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 01/02/07 18:42

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	MDL	RL	CONC	Q
87-86-5	Pentachlorophenol	110	1400		U
62-44-2	Phenacetin	110	360		U
85-01-8	Phenanthrene	43	360		U
108-95-2	Phenol	110	360		U
106-50-3	p-Phenylenediamine	110	360		U
109-06-8	2-Picoline	110	360		U
23950-58-5	Pronamide	110	360		U
129-00-0	Pyrene	43	360		U
110-86-1	Pyridine	110	1400		U
94-59-7	Safrole	110	360		U
95-94-3	1,2,4,5-Tetrachlorobenzene	110	360		U
58-90-2	2,3,4,6-Tetrachlorophenol	110	360		U
95-53-4	o-Toluidine	110	360		U
120-82-1	1,2,4-Trichlorobenzene	110	360		U
95-95-4	2,4,5-Trichlorophenol	110	360		U
88-06-2	2,4,6-Trichlorophenol	110	360		U
126-68-1	O,O,O-Triethylphosphorothioa	110	360		U
99-35-4	sym-Trinitrobenzene	110	360		U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-SB6-S-16

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYS001

Matrix: (soil/water) SOIL Lab Sample ID: 0612161-09

Sample wt/vol: 15.3 (g/mL) G Lab File ID: 1216109

% Moisture: 8 decanted: (Y/N) N Date Sampled: 12/15/06 13:20

Extraction: (SepF/Cont/Sonc/Soxh) SOXH Date Extracted:12/21/06

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 01/02/07 19:17

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	MDL	RL	CONC	Q
83-32-9	Acenaphthene	43	360		U
208-96-8	Acenaphthylene	43	360		U
98-86-2	Acetophenone	110	360		U
53-96-3	2-Acetylaminofluorene	110	360		U
92-67-1	4-Aminobiphenyl	110	360		U
62-53-3	Aniline	110	360		U
140-57-8	Aramite	110	360		U
120-12-7	Anthracene	43	360		U
1912-24-9	Atrazine	110	360		U
100-52-7	Benzaldehyde	110	360		U
56-55-3	Benzo(a)anthracene	43	360		U
205-99-2	Benzo(b)fluoranthene	43	360		U
207-08-9	Benzo(k)fluoranthene	43	360		U
191-24-2	Benzo(g,h,i)perylene	43	360		U
50-32-8	Benzo(a)pyrene	43	360		U
100-51-6	Benzyl alcohol	110	360		U
92-52-4	1,1'-Biphenyl	110	360		U
111-91-1	bis(2-Chloroethoxy)methane	110	360		U
111-44-4	bis(2-Chloroethyl)ether	110	360		U
108-60-1	bis(2-Chloroisopropyl)ether	110	360		U
117-81-7	Bis(2-ethylhexyl)phthalate	110	360		U
101-55-3	4-Bromophenyl-phenylether	110	360		U
85-68-7	Butylbenzylphthalate	110	360		U
105-60-2	Caprolactam	110	360		U
86-74-8	Carbazole	43	360		U
106-47-8	4-Chloroaniline	110	360		U
510-15-6	Chlorobenzilate	110	360		U
59-50-7	4-Chloro-3-methylphenol	110	360		U
91-58-7	2-Chloronaphthalene	110	360		U
95-57-8	2-Chlorophenol	110	360		U
7005-72-3	4-Chlorophenyl-phenylether	110	360		U
218-01-9	Chrysene	43	360		U
2303-16-4	Diallate	110	360		U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-SB6-S-16

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYS001

Matrix: (soil/water) SOIL Lab Sample ID: 0612161-09

Sample wt/vol: 15.3 (g/mL) G Lab File ID: 1216109

% Moisture: 8 decanted: (Y/N) N Date Sampled: 12/15/06 13:20

Extraction: (SepF/Cont/Sonc/Soxh) SOXH Date Extracted:12/21/06

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 01/02/07 19:17

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	MDL	RL	CONC	Q
53-70-3	Dibenz(a,h)anthracene	43	360		U
132-64-9	Dibenzofuran	110	360		U
91-94-1	3,3'-Dichlorobenzidine	160	360		U
120-83-2	2,4-Dichlorophenol	110	360		U
87-65-0	2,6-Dichlorophenol	110	360		U
84-66-2	Diethylphthalate	110	360		U
60-51-5	Dimethoate	110	360		U
60-11-7	p-(Dimethylamino)azobenzene	110	360		U
57-97-6	7,12-Dimethylbenz[a]anthrace	110	360		U
119-93-7	3,3'-Dimethylbenzidine	110	360		U
122-09-8	a,a-Dimethyl-phenethylamine	110	360		U
105-67-9	2,4-Dimethylphenol	110	1400		U
131-11-3	Dimethylphthalate	110	360		U
84-74-2	Di-n-butylphthalate	110	360		U
99-65-0	m-Dinitrobenzene	110	360		U
534-52-1	4,6-Dinitro-2-methylphenol	110	1400		U
51-28-5	2,4-Dinitrophenol	110	3600		U
121-14-2	2,4-Dinitrotoluene	110	360		U
606-20-2	2,6-Dinitrotoluene	110	360		U
117-84-0	Di-n-octylphthalate	110	360		U
122-39-4	Diphenylamine	110	360		U
62-50-0	Ethyl methanesulfonate	110	360		U
206-44-0	Fluoranthene	43	360		U
86-73-7	Fluorene	43	360		U
118-74-1	Hexachlorobenzene	110	360		U
87-68-3	Hexachlorobutadiene	110	360		U
77-47-4	Hexachlorocyclopentadiene	110	360		U
67-72-1	Hexachloroethane	110	360		U
70-30-4	Hexachlorophene	110	710		U
1888-71-7	Hexachloropropene	110	360		U
193-39-5	Indeno(1,2,3-cd)pyrene	43	360		U
465-73-6	Isodrin	110	360		U
78-59-1	Isophorone	110	360		U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-SB6-S-16

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYS001

Matrix: (soil/water) SOIL Lab Sample ID: 0612161-09

Sample wt/vol: 15.3 (g/mL) G Lab File ID: 1216109

% Moisture: 8 decanted: (Y/N) N Date Sampled: 12/15/06 13:20

Extraction: (SepF/Cont/Sonc/Soxh) SOXH Date Extracted:12/21/06

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 01/02/07 19:17

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG MDL	RL	CONC	Q
120-58-1	Isosafrole	110	360		U
143-50-0	Kepone	110	360		U
91-80-5	Methapyrilene	110	360		U
56-49-5	3-Methylcholanthrene	110	360		U
66-27-3	Methyl methanesulfonate	110	360		U
91-57-6	2-Methylnaphthalene	43	360		U
106-44-5	4-Methylphenol	110	360		U
108-39-4	3-Methylphenol	110	360		U
95-48-7	2-Methylphenol	110	360		U
91-20-3	Naphthalene	43	360		U
130-15-4	1,4-Naphthoquinone	110	360		U
134-32-7	1-Naphthylamine	110	360		U
91-59-8	2-Naphthylamine	110	360		U
88-74-4	2-Nitroaniline	110	1400		U
99-09-2	3-Nitroaniline	110	1400		U
100-01-6	4-Nitroaniline	110	1400		U
98-95-3	Nitrobenzene	110	360		U
88-75-5	2-Nitrophenol	110	360		U
100-02-7	4-Nitrophenol	110	1400		U
56-57-5	4-Nitroquinoline-1-oxide	110	360		U
924-16-3	N-Nitrosodi-n-butylamine	110	360		U
55-18-5	N-Nitrosodiethylamine	110	360		U
62-75-9	N-Nitroso-di-methylamine	110	360		U
86-30-6	N-Nitrosodiphenylamine (1)	110	360		U
621-64-7	N-Nitroso-di-n-propylamine	110	360		U
10595-95-6	N-Nitrosomethylethylamine	110	360		U
59-89-2	N-Nitrosomorpholine	110	360		U
100-75-4	N-Nitrosopiperidine	110	360		U
930-55-2	N-Nitrosopyrrolidine	110	360		U
99-55-8	5-Nitro-o-toluidine	110	360		U
608-93-5	Pentachlorobenzene	110	360		U
82-68-8	Pentachloronitrobenzene	110	360		U
76-01-7	Pentachloroethane	110	360		U

(1) - Cannot be separated from Diphenylamine

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-SB6-S-16

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYS001

Matrix: (soil/water) SOIL Lab Sample ID: 0612161-09

Sample wt/vol: 15.3 (g/mL) G Lab File ID: 1216109

% Moisture: 8 decanted: (Y/N) N Date Sampled: 12/15/06 13:20

Extraction: (SepF/Cont/Sonc/Soxh) SOXH Date Extracted:12/21/06

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 01/02/07 19:17

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	MDL	RL	CONC	Q
87-86-5	Pentachlorophenol	110	1400		U
62-44-2	Phenacetin	110	360		U
85-01-8	Phenanthrene	43	360		U
108-95-2	Phenol	110	360		U
106-50-3	p-Phenylenediamine	110	360		U
109-06-8	2-Picoline	110	360		U
23950-58-5	Pronamide	110	360		U
129-00-0	Pyrene	43	360		U
110-86-1	Pyridine	110	1400		U
94-59-7	Safrole	110	360		U
95-94-3	1,2,4,5-Tetrachlorobenzene	110	360		U
58-90-2	2,3,4,6-Tetrachlorophenol	110	360		U
95-53-4	o-Toluidine	110	360		U
120-82-1	1,2,4-Trichlorobenzene	110	360		U
95-95-4	2,4,5-Trichlorophenol	110	360		U
88-06-2	2,4,6-Trichlorophenol	110	360		U
126-68-1	O,O,O-Triethylphosphorothioa	110	360		U
99-35-4	sym-Trinitrobenzene	110	360		U

FORM 2
SOIL SEMIVOLATILE SURROGATE RECOVERY

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYS001

Level: (low/med) LOW

	CLIENT SAMPLE NO.	S1 (2FP) #	S2 (PHL) #	S3 (NBZ) #	S4 (FBP) #	S5 (TBP) #	S6 (TPH) #	S7 #	S8 #	TOT OUT
01	SBLK1221BS1L	72	69	76	88	102	107			0
02	SBLK1221BS1L	84	87	85	93	97	117			0
03	SBLK1221BS1	73	75	76	90	82	120			0
04	OLFS4-MW25-S	70	78	73	82	88	98			0
05	OLFS4-MW26-S	65	70	67	73	83	102			0
06	OLFS4-MW33S-	71	78	64	70	84	96			0
07	OLFS4-MW33S-	68	75	70	77	98	103			0
08	OLFS4-MW35S-	64	74	68	88	95	96			0
09	OLFS4-MW36S-	70	78	73	79	91	104			0
10	OLFS4-SB2-S-	69	72	76	87	93	104			0
11	OLFS4-SB3-S-	67	71	71	89	96	100			0
12	OLFS4-SB6-S-	74	73	81	84	98	109			0
13										
14										
15										
16										
17										
18										
19										
20										
21										
22										
23										
24										
25										
26										
27										
28										
29										
30										

		EL QC LIMITS	SPIKE CONC (UG/KG)
S1 (2FP)	= 2-Fluorophenol	(25-110)	6700
S2 (PHL)	= Phenol-d6	(30-110)	6700
S3 (NBZ)	= Nitrobenzene-d5	(30-110)	3300
S4 (FBP)	= 2-Fluorobiphenyl	(35-110)	3300
S5 (TBP)	= 2,4,6-Tribromophenol	(30-115)	6700
S6 (TPH)	= Terphenyl-d14	(40-120)	3300

Column to be used to flag recovery values
* Values outside of contract required QC limits
D Surrogate results reported from a diluted analysis

FORM 3
SOIL SEMIVOLATILE LAB CONTROL SAMPLE

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYS001

Matrix Spike - Client Sample No.: SBLK1221BS1 Level: (low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC #	QC. LIMITS REC.
Acenaphthene	3333	0.0000	2880	86	45-110
Acenaphthylene	3333	0.0000	3276	98	50-105
Acetophenone	3333	0.0000	2017	60	35-110
Aniline	3333	0.0000	2365	71	10-110
Anthracene	3333	0.0000	3539	106*	55-105
Atrazine	3333	0.0000	3294	99	55-105
Benzaldehyde	3333	0.0000	104.4	3*	10-160
Benzo(a)anthracene	3333	0.0000	3257	98	60-110
Benzo(b)fluoranthene	3333	0.0000	3026	91	55-115
Benzo(k)fluoranthene	3333	0.0000	3138	94	55-110
Benzo(g,h,i)perylene	3333	0.0000	3868	116	35-135
Benzo(a)pyrene	3333	0.0000	3412	102	60-120
Benzyl alcohol	3333	0.0000	2911	87	10-110
1,1'-Biphenyl	3333	0.0000	2970	89	45-110
bis(2-Chloroethoxy)meth	3333	0.0000	2135	64	35-110
bis(2-Chloroethyl)ether	3333	0.0000	2224	67	25-110
bis(2-Chloroisopropyl)e	3333	0.0000	2175	65	20-110
Bis(2-ethylhexyl)phthal	3333	0.0000	3642	109	60-115
4-Bromophenyl-phenyleth	3333	0.0000	2853	86	45-110
Butylbenzylphthalate	3333	0.0000	3274	98	60-115
Caprolactam	3333	0.0000	4198	126*	50-110
Carbazole	3333	0.0000	4420	133	45-150
4-Chloroaniline	3333	0.0000	2689	81	25-120
4-Chloro-3-methylphenol	3333	0.0000	3089	93	40-105
2-Chloronaphthalene	3333	0.0000	2463	74	45-110
2-Chlorophenol	3333	0.0000	2553	76	35-110
4-Chlorophenyl-phenylet	3333	0.0000	3459	104	40-105
Chrysene	3333	0.0000	3306	99	55-105

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

COMMENTS: _____

FORM 3
SOIL SEMIVOLATILE LAB CONTROL SAMPLE

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYS001

Matrix Spike - Client Sample No.: SBLK1221BS1 Level: (low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC #	QC. LIMITS REC.
Dibenz(a,h)anthracene	3333	0.0000	3463	104	40-130
Dibenzofuran	3333	0.0000	2706	81	50-110
3,3'-Dichlorobenzidine	3333	0.0000	3887	117	50-140
2,4-Dichlorophenol	3333	0.0000	2996	90	40-110
Diethylphthalate	3333	0.0000	3363	101	55-110
2,4-Dimethylphenol	3333	0.0000	2532	76	35-110
Dimethylphthalate	3333	0.0000	3247	97	50-110
Di-n-butylphthalate	3333	0.0000	3415	102	60-105
4,6-Dinitro-2-methylphe	3333	0.0000	2396	72	10-130
2,4-Dinitrophenol	3333	0.0000	1938	58	10-105
2,4-Dinitrotoluene	3333	0.0000	3488	105	50-105
2,6-Dinitrotoluene	3333	0.0000	3127	94	55-105
Di-n-octylphthalate	3333	0.0000	3467	104	50-125
Fluoranthene	3333	0.0000	3587	108	55-110
Fluorene	3333	0.0000	3192	96	50-105
Hexachlorobenzene	3333	0.0000	3302	99	55-105
Hexachlorobutadiene	3333	0.0000	2625	79	30-110
Hexachlorocyclopentadie	3333	0.0000	2125	64	10-110
Hexachloroethane	3333	0.0000	2163	65	25-110
Indeno(1,2,3-cd)pyrene	3333	0.0000	3742	112	40-130
Isophorone	3333	0.0000	2425	73	35-110
2-Methylnaphthalene	3333	0.0000	2579	77	40-110
4-Methylphenol	3333	0.0000	2632	79	40-105
2-Methylphenol	3333	0.0000	2558	77	35-110
Naphthalene	3333	0.0000	2439	73	30-110
2-Nitroaniline	3333	0.0000	2409	72	45-120
3-Nitroaniline	3333	0.0000	3382	101	50-130
4-Nitroaniline	3333	0.0000	4732	142	25-175

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

COMMENTS: _____

FORM 3
SOIL SEMIVOLATILE LAB CONTROL SAMPLE

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYS001

Matrix Spike - Client Sample No.: SBLK1221BS1 Level: (low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC #	QC. LIMITS REC.
Nitrobenzene	3333	0.0000	2229	67	30-110
2-Nitrophenol	3333	0.0000	2829	85	35-110
4-Nitrophenol	3333	0.0000	2470	74	40-125
N-Nitroso-di-methylamin	3333	0.0000	1670	50	10-110
N-Nitrosodiphenylamine	3333	0.0000	3640	109	55-110
N-Nitroso-di-n-prop.(1)	3333	0.0000	2215	66	30-110
Pentachlorophenol	3333	0.0000	3424	103	35-125
Phenanthrene	3333	0.0000	3339	100	55-105
Phenol	3333	0.0000	1994	60	30-110
Pyrene	3333	0.0000	3179	95	55-115
Pyridine	3333	0.0000	1331	40	10-110
1,2,4-Trichlorobenzene	3333	0.0000	2455	74	30-110
2,4,5-Trichlorophenol	3333	0.0000	3480	104	50-105
2,4,6-Trichlorophenol	3333	0.0000	3231	97	45-105

(1) N-Nitroso-di-n-propylamine

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

COMMENTS: _____

FORM 3
SOIL SEMIVOLATILE LAB CONTROL SAMPLE

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYS001

Matrix Spike - Client Sample No.: SBLK1221BS1 Level:(low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	LCSD CONCENTRATION (ug/Kg)	LCSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Acenaphthene	3333	2919	88	1	50	45-110
Acenaphthylene	3333	3319	100	1	50	50-105
Acetophenone	3333	2355	71	15	50	35-110
Aniline	3333	2987	90	23	50	10-110
Anthracene	3333	3260	98	8	50	55-105
Atrazine	3333	3205	96	3	50	55-105
Benzaldehyde	3333	121.2	4*	15	50	10-160
Benzo(a)anthracene	3333	3325	100	2	50	60-110
Benzo(b)fluoranthene	3333	3000	90	1	50	55-115
Benzo(k)fluoranthene	3333	3015	90	4	50	55-110
Benzo(g,h,i)perylene	3333	3423	103	12	50	35-135
Benzo(a)pyrene	3333	3386	102	1	50	60-120
Benzyl alcohol	3333	3342	100	14	50	10-110
1,1'-Biphenyl	3333	3297	99	10	50	45-110
bis(2-Chloroethoxy)meth	3333	2268	68	6	50	35-110
bis(2-Chloroethyl)ether	3333	2610	78	16	50	25-110
bis(2-Chloroisopropyl)e	3333	2350	70	8	50	20-110
Bis(2-ethylhexyl)phthal	3333	3673	110	1	50	60-115
4-Bromophenyl-phenyleth	3333	2834	85	1	50	45-110
Butylbenzylphthalate	3333	3498	105	7	50	60-115
Caprolactam	3333	4573	137*	8	50	50-110
Carbazole	3333	4522	136	2	50	45-150
4-Chloroaniline	3333	2730	82	2	50	25-120
4-Chloro-3-methylphenol	3333	3095	93	0	50	40-105
2-Chloronaphthalene	3333	2677	80	8	50	45-110
2-Chlorophenol	3333	2866	86	12	50	35-110
4-Chlorophenyl-phenylet	3333	3596	108*	4	50	40-105
Chrysene	3333	3558	107*	7	50	55-105

(1) N-Nitroso-di-n-propylamine

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

COMMENTS: _____

FORM 3
SOIL SEMIVOLATILE LAB CONTROL SAMPLE

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYS001

Matrix Spike - Client Sample No.: SBLK1221BS1 Level: (low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	LCSD CONCENTRATION (ug/Kg)	LCSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Dibenz(a,h)anthracene	3333	3241	97	7	50	40-130
Dibenzofuran	3333	3101	93	14	50	50-110
3,3'-Dichlorobenzidine	3333	3959	119	2	50	50-140
2,4-Dichlorophenol	3333	3208	96	7	50	40-110
Diethylphthalate	3333	3372	101	0	50	55-110
2,4-Dimethylphenol	3333	2673	80	5	50	35-110
Dimethylphthalate	3333	3016	90	7	50	50-110
Di-n-butylphthalate	3333	3210	96	6	50	60-105
4,6-Dinitro-2-methylphe	3333	1508	45	45	50	10-130
2,4-Dinitrophenol	3333	841.1	25	79*	50	10-105
2,4-Dinitrotoluene	3333	3536	106*	1	50	50-105
2,6-Dinitrotoluene	3333	3113	93	0	50	55-105
Di-n-octylphthalate	3333	3368	101	3	50	50-125
Fluoranthene	3333	3514	105	2	50	55-110
Fluorene	3333	3273	98	2	50	50-105
Hexachlorobenzene	3333	3467	104	5	50	55-105
Hexachlorobutadiene	3333	2674	80	2	50	30-110
Hexachlorocyclopentadie	3333	3410	102	46	50	10-110
Hexachloroethane	3333	2472	74	13	50	25-110
Indeno(1,2,3-cd)pyrene	3333	3452	104	8	50	40-130
Isophorone	3333	2813	84	15	50	35-110
2-Methylnaphthalene	3333	2835	85	9	50	40-110
4-Methylphenol	3333	2923	88	10	50	40-105
2-Methylphenol	3333	2856	86	11	50	35-110
Naphthalene	3333	2449	73	0	50	30-110
2-Nitroaniline	3333	2343	70	3	50	45-120
3-Nitroaniline	3333	3518	106	4	50	50-130
4-Nitroaniline	3333	4522	136	4	50	25-175

(1) N-Nitroso-di-n-propylamine

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

COMMENTS: _____

FORM 3
SOIL SEMIVOLATILE LAB CONTROL SAMPLE

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYS001

Matrix Spike - Client Sample No.: SBLK1221BS1 Level: (low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	LCSD CONCENTRATION (ug/Kg)	LCSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Nitrobenzene	3333	2386	72	7	50	30-110
2-Nitrophenol	3333	2900	87	2	50	35-110
4-Nitrophenol	3333	2539	76	3	50	40-125
N-Nitroso-di-methylamin	3333	1972	59	16	50	10-110
N-Nitrosodiphenylamine	3333	3469	104	5	50	55-110
N-Nitroso-di-n-prop.(1)	3333	2837	85	25	50	30-110
Pentachlorophenol	3333	2377	71	36	50	35-125
Phenanthrene	3333	3170	95	5	50	55-105
Phenol	3333	2435	73	20	50	30-110
Pyrene	3333	3515	105	10	50	55-115
Pyridine	3333	1549	46	15	50	10-110
1,2,4-Trichlorobenzene	3333	2713	81	10	50	30-110
2,4,5-Trichlorophenol	3333	3612	108*	4	50	50-105
2,4,6-Trichlorophenol	3333	3538	106*	9	50	45-105

(1) N-Nitroso-di-n-propylamine

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

RPD: 1 out of 70 outside limits
Spike Recovery: 10 out of 140 outside limits

COMMENTS: _____

FORM 4
SEMIVOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE NO.

SBLK1221BS1

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYS001

Lab File ID: SBLS1221 Lab Sample ID: SBLK1221BS1

Instrument ID: BNA1 Date Extracted: 12/21/06

Matrix: (soil/water) SOIL Date Analyzed: 01/02/07

Level: (low/med) LOW GPC Cleanup: (Y/N) N Time Analyzed: 1211

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	SBLK1221BS1L	SBLK1221BS1LCS	SLCS1221	01/02/07
02	SBLK1221BS1L	SBLK1221BS1LCS	SLDS1221	01/02/07
03	OLFS4-MW25-S	0612084-02	1208402	01/02/07
04	OLFS4-MW26-S	0612084-03	1208403	01/02/07
05	OLFS4-MW33S-	0612148-01	1214801	01/02/07
06	OLFS4-MW33S-	0612148-02	1214802	01/02/07
07	OLFS4-MW35S-	0612148-03	1214803	01/02/07
08	OLFS4-MW36S-	0612148-04	1214804	01/02/07
09	OLFS4-SB2-S-	0612161-02	1216102	01/02/07
10	OLFS4-SB3-S-	0612161-04	1216104	01/02/07
11	OLFS4-SB6-S-	0612161-09	1216109	01/02/07
12				
13				
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COMMENTS:

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

SBLK1221BS1

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYS001

Matrix: (soil/water) SOIL Lab Sample ID: SBLK1221BS1

Sample wt/vol: 15.0 (g/mL) G Lab File ID: SBLS1221

% Moisture: 0 decanted: (Y/N) N Date Sampled: _____

Extraction: (SepF/Cont/Sonc/Soxh) SOXH Date Extracted:12/21/06

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 01/02/07 12:11

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	MDL	RL	CONC	Q
83-32-9	Acenaphthene	40	330		U
208-96-8	Acenaphthylene	40	330		U
98-86-2	Acetophenone	100	330		U
53-96-3	2-Acetylaminofluorene	100	330		U
92-67-1	4-Aminobiphenyl	100	330		U
62-53-3	Aniline	100	330		U
140-57-8	Aramite	100	330		U
120-12-7	Anthracene	40	330		U
1912-24-9	Atrazine	100	330		U
100-52-7	Benzaldehyde	100	330		U
56-55-3	Benzo(a)anthracene	40	330		U
205-99-2	Benzo(b)fluoranthene	40	330		U
207-08-9	Benzo(k)fluoranthene	40	330		U
191-24-2	Benzo(g,h,i)perylene	40	330		U
50-32-8	Benzo(a)pyrene	40	330		U
100-51-6	Benzyl alcohol	100	330		U
92-52-4	1,1'-Biphenyl	100	330		U
111-91-1	bis(2-Chloroethoxy)methane	100	330		U
111-44-4	bis(2-Chloroethyl)ether	100	330		U
108-60-1	bis(2-Chloroisopropyl)ether	100	330		U
117-81-7	Bis(2-ethylhexyl)phthalate	100	330		U
101-55-3	4-Bromophenyl-phenylether	100	330		U
85-68-7	Butylbenzylphthalate	100	330		U
105-60-2	Caprolactam	100	330		U
86-74-8	Carbazole	40	330		U
106-47-8	4-Chloroaniline	100	330		U
510-15-6	Chlorobenzilate	100	330		U
59-50-7	4-Chloro-3-methylphenol	100	330		U
91-58-7	2-Chloronaphthalene	100	330		U
95-57-8	2-Chlorophenol	100	330		U
7005-72-3	4-Chlorophenyl-phenylether	100	330		U
218-01-9	Chrysene	40	330		U
2303-16-4	Diallate	100	330		U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

SBLK1221BS1

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYS001

Matrix: (soil/water) SOIL Lab Sample ID: SBLK1221BS1

Sample wt/vol: 15.0 (g/mL) G Lab File ID: SBLS1221

% Moisture: 0 decanted: (Y/N) N Date Sampled: _____

Extraction: (SepF/Cont/Sonc/Soxh) SOXH Date Extracted:12/21/06

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 01/02/07 12:11

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	MDL	RL	CONC	Q
53-70-3	Dibenz(a,h)anthracene	40	330		U
132-64-9	Dibenzofuran	100	330		U
91-94-1	3,3'-Dichlorobenzidine	150	330		U
120-83-2	2,4-Dichlorophenol	100	330		U
87-65-0	2,6-Dichlorophenol	100	330		U
84-66-2	Diethylphthalate	100	330		U
60-51-5	Dimethoate	100	330		U
60-11-7	p-(Dimethylamino)azobenzene	100	330		U
57-97-6	7,12-Dimethylbenz[a]anthrace	100	330		U
119-93-7	3,3'-Dimethylbenzidine	100	330		U
122-09-8	a,a-Dimethyl-phenethylamine	100	330		U
105-67-9	2,4-Dimethylphenol	100	1300		U
131-11-3	Dimethylphthalate	100	330		U
84-74-2	Di-n-butylphthalate	100	330		U
99-65-0	m-Dinitrobenzene	100	330		U
534-52-1	4,6-Dinitro-2-methylphenol	100	1300		U
51-28-5	2,4-Dinitrophenol	100	3300		U
121-14-2	2,4-Dinitrotoluene	100	330		U
606-20-2	2,6-Dinitrotoluene	100	330		U
117-84-0	Di-n-octylphthalate	100	330		U
122-39-4	Diphenylamine	100	330		U
62-50-0	Ethyl methanesulfonate	100	330		U
206-44-0	Fluoranthene	40	330		U
86-73-7	Fluorene	40	330		U
118-74-1	Hexachlorobenzene	100	330		U
87-68-3	Hexachlorobutadiene	100	330		U
77-47-4	Hexachlorocyclopentadiene	100	330		U
67-72-1	Hexachloroethane	100	330		U
70-30-4	Hexachlorophene	100	670		U
1888-71-7	Hexachloropropene	100	330		U
193-39-5	Indeno(1,2,3-cd)pyrene	40	330		U
465-73-6	Isodrin	100	330		U
78-59-1	Isophorone	100	330		U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

SBLK1221BS1

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYS001

Matrix: (soil/water) SOIL Lab Sample ID: SBLK1221BS1

Sample wt/vol: 15.0 (g/mL) G Lab File ID: SBLS1221

% Moisture: 0 decanted: (Y/N) N Date Sampled: _____

Extraction: (SepF/Cont/Sonc/Soxh) SOXH Date Extracted:12/21/06

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 01/02/07 12:11

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	MDL	RL	CONC	Q
120-58-1	Isosafrole	100	330		U
143-50-0	Kepone	100	330		U
91-80-5	Methapyrilene	100	330		U
56-49-5	3-Methylcholanthrene	100	330		U
66-27-3	Methyl methanesulfonate	100	330		U
91-57-6	2-Methylnaphthalene	40	330		U
106-44-5	4-Methylphenol	100	330		U
108-39-4	3-Methylphenol	100	330		U
95-48-7	2-Methylphenol	100	330		U
91-20-3	Naphthalene	40	330		U
130-15-4	1,4-Naphthoquinone	100	330		U
134-32-7	1-Naphthylamine	100	330		U
91-59-8	2-Naphthylamine	100	330		U
88-74-4	2-Nitroaniline	100	1300		U
99-09-2	3-Nitroaniline	100	1300		U
100-01-6	4-Nitroaniline	100	1300		U
98-95-3	Nitrobenzene	100	330		U
88-75-5	2-Nitrophenol	100	330		U
100-02-7	4-Nitrophenol	100	1300		U
56-57-5	4-Nitroquinoline-1-oxide	100	330		U
924-16-3	N-Nitrosodi-n-butylamine	100	330		U
55-18-5	N-Nitrosodiethylamine	100	330		U
62-75-9	N-Nitroso-di-methylamine	100	330		U
86-30-6	N-Nitrosodiphenylamine (1)	100	330		U
621-64-7	N-Nitroso-di-n-propylamine	100	330		U
10595-95-6	N-Nitrosomethylethylamine	100	330		U
59-89-2	N-Nitrosomorpholine	100	330		U
100-75-4	N-Nitrosopiperidine	100	330		U
930-55-2	N-Nitrosopyrrolidine	100	330		U
99-55-8	5-Nitro-o-toluidine	100	330		U
608-93-5	Pentachlorobenzene	100	330		U
82-68-8	Pentachloronitrobenzene	100	330		U
76-01-7	Pentachloroethane	100	330		U

(1) - Cannot be separated from Diphenylamine

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

SBLK1221BS1

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYS001

Matrix: (soil/water) SOIL Lab Sample ID: SBLK1221BS1

Sample wt/vol: 15.0 (g/mL) G Lab File ID: SBLS1221

% Moisture: 0 decanted: (Y/N) N Date Sampled: _____

Extraction: (SepF/Cont/Sonc/Soxh) SOXH Date Extracted:12/21/06

Concentrated Extract Volume: 1000.0(uL) Date Analyzed: 01/02/07 12:11

Injection Volume: 0.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	MDL	RL	CONC	Q
87-86-5	Pentachlorophenol	100	1300		U
62-44-2	Phenacetin	100	330		U
85-01-8	Phenanthrene	40	330		U
108-95-2	Phenol	100	330		U
106-50-3	p-Phenylenediamine	100	330		U
109-06-8	2-Picoline	100	330		U
23950-58-5	Pronamide	100	330		U
129-00-0	Pyrene	40	330		U
110-86-1	Pyridine	100	1300		U
94-59-7	Safrole	100	330		U
95-94-3	1,2,4,5-Tetrachlorobenzene	100	330		U
58-90-2	2,3,4,6-Tetrachlorophenol	100	330		U
95-53-4	o-Toluidine	100	330		U
120-82-1	1,2,4-Trichlorobenzene	100	330		U
95-95-4	2,4,5-Trichlorophenol	100	330		U
88-06-2	2,4,6-Trichlorophenol	100	330		U
126-68-1	O,O,O-Triethylphosphorothioa	100	330		U
99-35-4	sym-Trinitrobenzene	100	330		U

USEPA - 6010B
- 1 -
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-MW-27S-10

Lab Name: Empirical Labs Contract: TetraTech NUS, Inc.

Lab Code: ELABN Case No.: SAS No.: SDG: SAUFLEYS001

Matrix: SOIL Lab Sample ID: 0612068-01

Level (low/med): LOW Date Sampled: 12/06/06

% Solids: 95.0 Date Received: 12/07/06

Concentration Units (ug/L or mg/kg dry weight): mg/Kg

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
7440-22-4	Silver	0.053	0.53		U		P
7429-90-5	Aluminum	3.9	10.5	3160			P
7440-38-2	Arsenic	0.16	0.53	0.56			P
7440-39-3	Barium	0.26	10.5	3.0	I		P
7440-41-7	Beryllium	0.21	0.53		U		P
7440-70-2	Calcium	52.6	263		U		P
7440-43-9	Cadmium	0.053	0.26		U		P
7440-48-4	Cobalt	0.26	2.6		U		P
7440-47-3	Chromium	0.11	0.53	2.2			P
7440-50-8	Copper	0.26	1.3	0.84	I		P
7439-89-6	Iron	1.6	5.3	2260			P
7440-09-7	Potassium	52.6	263		U		P
7439-95-4	Magnesium	52.6	263		U		P
7439-96-5	Manganese	0.16	0.79	5.7			P

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

USEPA - 6010B
- 1 -
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-MW-27S-10

Lab Name: Empirical Labs Contract: TetraTech NUS, Inc.

Lab Code: ELABN Case No.: SAS No.: SDG: SAUFLEYS001

Matrix: SOIL Lab Sample ID: 0612068-01

Level (low/med): LOW Date Sampled: 12/06/06

% Solids: 95.0 Date Received: 12/07/06

Concentration Units (ug/L or mg/kg dry weight): mg/Kg

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
7440-23-5	Sodium	52.6	263		U		P
7440-02-0	Nickel	0.26	2.1	0.79	I		P
7439-92-1	Lead	0.079	0.16	1.1			P
7440-36-0	Antimony	0.26	3.2		U	J3	P
7782-49-2	Selenium	0.26	0.53		U		P
7440-28-0	Thallium	0.16	0.53		U		P
7440-62-2	Vanadium	0.26	2.6	4.4			P
7440-66-6	Zinc	0.53	1.1	1.7			P

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

USEPA - 7471A
- 1 -
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-MW-27S-10

Lab Name: Empirical Labs Contract: TetraTech NUS, Inc.

Lab Code: ELABN Case No.: SAS No.: SDG: SAUFLEYS001

Matrix: SOIL Lab Sample ID: 0612068-01

Level (low/med): LOW Date Sampled: 12/06/06

% Solids: 95.0 Date Received: 12/07/06

Concentration Units (ug/L or mg/kg dry weight): mg/Kg

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
7439-97-6	Mercury	0.012	0.029		U		AV

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

USEPA - 9012A
- 1 -
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-MW-27S-10

Lab Name: Empirical Labs Contract: TetraTech NUS, Inc.

Lab Code: ELABN Case No.: SAS No.: SDG: SAUFLEYS001

Matrix: SOIL Lab Sample ID: 0612068-01

Level (low/med): LOW Date Sampled: 12/06/06

% Solids: 95.0 Date Received: 12/07/06

Concentration Units (ug/L or mg/kg dry weight): mg/Kg

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
57-12-5	Cyanide	0.13	0.26		U		AS

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

USEPA - 6010B
- 1 -
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-MW-27S-45

Lab Name: Empirical Labs Contract: TetraTech NUS, Inc.

Lab Code: ELABN Case No.: SAS No.: SDG: SAUFLEYS001

Matrix: SOIL Lab Sample ID: 0612068-02

Level (low/med): LOW Date Sampled: 12/06/06

% Solids: 88.0 Date Received: 12/07/06

Concentration Units (ug/L or mg/kg dry weight): mg/Kg

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
7440-22-4	Silver	0.11	0.57		U		P
7429-90-5	Aluminum	4.2	11.3	875			P
7440-38-2	Arsenic	0.17	0.57	2.1			P
7440-39-3	Barium	0.28	11.3	1.2	I		P
7440-41-7	Beryllium	0.23	0.57		U		P
7440-70-2	Calcium	56.5	283		U		P
7440-43-9	Cadmium	0.057	0.28		U		P
7440-48-4	Cobalt	0.28	2.8		U		P
7440-47-3	Chromium	0.11	0.57	5.1			P
7440-50-8	Copper	0.28	1.4	0.90	I		P
7439-89-6	Iron	1.7	5.7	2850			P
7440-09-7	Potassium	56.5	283		U		P
7439-95-4	Magnesium	56.5	283		U		P
7439-96-5	Manganese	0.17	0.85	1.8			P

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: The silver MDL was increased due to negative bias. BLD 1/17/07

USEPA - 6010B
- 1 -
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-MW-27S-45

Lab Name: Empirical Labs Contract: TetraTech NUS, Inc.

Lab Code: ELABN Case No.: SAS No.: SDG: SAUFLEYS001

Matrix: SOIL Lab Sample ID: 0612068-02

Level (low/med): LOW Date Sampled: 12/06/06

% Solids: 88.0 Date Received: 12/07/06

Concentration Units (ug/L or mg/kg dry weight): mg/Kg

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
7440-23-5	Sodium	56.5	283		U		P
7440-02-0	Nickel	0.28	2.3		U		P
7439-92-1	Lead	0.085	0.17	1.4			P
7440-36-0	Antimony	0.28	3.4		U	J3	P
7782-49-2	Selenium	0.28	0.57		U		P
7440-28-0	Thallium	0.17	0.57		U		P
7440-62-2	Vanadium	0.28	2.8	11.8			P
7440-66-6	Zinc	0.57	1.1		U		P

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

USEPA - 7471A
- 1 -
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-MW-27S-45

Lab Name: Empirical Labs Contract: TetraTech NUS, Inc.

Lab Code: ELABN Case No.: SAS No.: SDG: SAUFLEYS001

Matrix: SOIL Lab Sample ID: 0612068-02

Level (low/med): LOW Date Sampled: 12/06/06

% Solids: 88.0 Date Received: 12/07/06

Concentration Units (ug/L or mg/kg dry weight): mg/Kg

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
7439-97-6	Mercury	0.015	0.038		U		AV

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

_____

_____

USEPA - 9012A
- 1 -
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-MW-27S-45

Lab Name: Empirical Labs Contract: TetraTech NUS, Inc.

Lab Code: ELABN Case No.: SAS No.: SDG: SAUFLEYS001

Matrix: SOIL Lab Sample ID: 0612068-02

Level (low/med): LOW Date Sampled: 12/06/06

% Solids: 88.0 Date Received: 12/07/06

Concentration Units (ug/L or mg/kg dry weight): mg/Kg

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
57-12-5	Cyanide	0.14	0.28		U		AS

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

USEPA - 6010B
- 1 -
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-MW25-S-10

Lab Name: Empirical Labs Contract: TetraTech NUS, Inc.

Lab Code: ELABN Case No.: SAS No.: SDG: SAUFLEYS001

Matrix: SOIL Lab Sample ID: 0612084-01

Level (low/med): LOW Date Sampled: 12/07/06

% Solids: 90.0 Date Received: 12/08/06

Concentration Units (ug/L or mg/kg dry weight): mg/Kg

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
7440-22-4	Silver	0.11	0.54		U		P
7429-90-5	Aluminum	4.1	10.9	20100			P
7440-38-2	Arsenic	0.16	0.54	2.9			P
7440-39-3	Barium	0.27	10.9	5.1	I		P
7440-41-7	Beryllium	0.22	0.54		U		P
7440-70-2	Calcium	54.5	272	141	I		P
7440-43-9	Cadmium	0.054	0.27		U		P
7440-48-4	Cobalt	0.27	2.7		U		P
7440-47-3	Chromium	0.11	0.54	13.4			P
7440-50-8	Copper	0.27	1.4	4.3			P
7439-89-6	Iron	1.6	5.4	11400			P
7440-09-7	Potassium	54.5	272	63.2	I		P
7439-95-4	Magnesium	54.5	272	70.3	I		P
7439-96-5	Manganese	0.16	0.82	14.4			P

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: The Silver MDL was increased due to negative bias. 1/17/07 BLD

USEPA - 6010B
- 1 -
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-MW25-S-10

Lab Name: Empirical Labs Contract: TetraTech NUS, Inc.

Lab Code: ELABN Case No.: SAS No.: SDG: SAUFLEYS001

Matrix: SOIL Lab Sample ID: 0612084-01

Level (low/med): LOW Date Sampled: 12/07/06

% Solids: 90.0 Date Received: 12/08/06

Concentration Units (ug/L or mg/kg dry weight): mg/Kg

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
7440-23-5	Sodium	54.5	272		U		P
7440-02-0	Nickel	0.27	2.2	1.5	I		P
7439-92-1	Lead	0.082	0.16	3.2			P
7440-36-0	Antimony	0.27	3.3		U	J3	P
7782-49-2	Selenium	0.27	0.54		U		P
7440-28-0	Thallium	0.16	0.54		U		P
7440-62-2	Vanadium	0.27	2.7	27.0			P
7440-66-6	Zinc	0.54	1.1	3.9			P

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

USEPA - 7471A
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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-MW25-S-10

Lab Name: Empirical Labs Contract: TetraTech NUS, Inc.

Lab Code: ELABN Case No.: SAS No.: SDG: SAUFLEYS001

Matrix: SOIL Lab Sample ID: 0612084-01

Level (low/med): LOW Date Sampled: 12/07/06

% Solids: 90.0 Date Received: 12/08/06

Concentration Units (ug/L or mg/kg dry weight): mg/Kg

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
7439-97-6	Mercury	0.013	0.032		U		AV

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

USEPA - 9012A
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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-MW25-S-10

Lab Name: Empirical Labs Contract: TetraTech NUS, Inc.

Lab Code: ELABN Case No.: SAS No.: SDG: SAUFLEYS001

Matrix: SOIL Lab Sample ID: 0612084-01

Level (low/med): LOW Date Sampled: 12/07/06

% Solids: 90.0 Date Received: 12/08/06

Concentration Units (ug/L or mg/kg dry weight): mg/Kg

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
57-12-5	Cyanide	0.14	0.28		U		AS

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

USEPA - 6010B
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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-MW25-S-40

Lab Name: Empirical Labs Contract: TetraTech NUS, Inc.

Lab Code: ELABN Case No.: SAS No.: SDG: SAUFLEYS001

Matrix: SOIL Lab Sample ID: 0612084-02

Level (low/med): LOW Date Sampled: 12/07/06

% Solids: 88.0 Date Received: 12/08/06

Concentration Units (ug/L or mg/kg dry weight): mg/Kg

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
7440-22-4	Silver	0.056	0.56		U		P
7429-90-5	Aluminum	4.2	11.3	949			P
7440-38-2	Arsenic	0.17	0.56	0.31	I		P
7440-39-3	Barium	0.28	11.3	0.69	I		P
7440-41-7	Beryllium	0.23	0.56		U		P
7440-70-2	Calcium	56.3	281	75.8	I		P
7440-43-9	Cadmium	0.056	0.28		U		P
7440-48-4	Cobalt	0.28	2.8		U		P
7440-47-3	Chromium	0.11	0.56	1.5			P
7440-50-8	Copper	0.28	1.4	0.39	I		P
7439-89-6	Iron	1.7	5.6	1110			P
7440-09-7	Potassium	56.3	281		U		P
7439-95-4	Magnesium	56.3	281		U		P
7439-96-5	Manganese	0.17	0.84	1.3			P

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

USEPA - 6010B
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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-MW25-S-40

Lab Name: Empirical Labs Contract: TetraTech NUS, Inc.

Lab Code: ELABN Case No.: SAS No.: SDG: SAUFLEYS001

Matrix: SOIL Lab Sample ID: 0612084-02

Level (low/med): LOW Date Sampled: 12/07/06

% Solids: 88.0 Date Received: 12/08/06

Concentration Units (ug/L or mg/kg dry weight): mg/Kg

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
7440-23-5	Sodium	56.3	281		U		P
7440-02-0	Nickel	0.28	2.3		U		P
7439-92-1	Lead	0.084	0.17	0.68			P
7440-36-0	Antimony	0.28	3.4		U	J3	P
7782-49-2	Selenium	0.28	0.56		U		P
7440-28-0	Thallium	0.17	0.56		U		P
7440-62-2	Vanadium	0.28	2.8	4.0			P
7440-66-6	Zinc	0.56	1.1		U		P

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

USEPA - 7471A
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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-MW25-S-40

Lab Name: Empirical Labs Contract: TetraTech NUS, Inc.

Lab Code: ELABN Case No.: SAS No.: SDG: SAUFLEYS001

Matrix: SOIL Lab Sample ID: 0612084-02

Level (low/med): LOW Date Sampled: 12/07/06

% Solids: 88.0 Date Received: 12/08/06

Concentration Units (ug/L or mg/kg dry weight): mg/Kg

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
7439-97-6	Mercury	0.013	0.033		U		AV

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

USEPA - 9012A
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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-MW25-S-40

Lab Name: Empirical Labs Contract: TetraTech NUS, Inc.

Lab Code: ELABN Case No.: SAS No.: SDG: SAUFLEYS001

Matrix: SOIL Lab Sample ID: 0612084-02

Level (low/med): LOW Date Sampled: 12/07/06

% Solids: 88.0 Date Received: 12/08/06

Concentration Units (ug/L or mg/kg dry weight): mg/Kg

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
57-12-5	Cyanide	0.14	0.28		U		AS

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

USEPA - 6010B
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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-MW26-S-25

Lab Name: Empirical Labs Contract: TetraTech NUS, Inc.

Lab Code: ELABN Case No.: SAS No.: SDG: SAUFLEYS001

Matrix: SOIL Lab Sample ID: 0612084-03

Level (low/med): LOW Date Sampled: 12/07/06

% Solids: 95.0 Date Received: 12/08/06

Concentration Units (ug/L or mg/kg dry weight): mg/Kg

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
7440-22-4	Silver	0.053	0.53		U		P
7429-90-5	Aluminum	4.0	10.6	7010			P
7440-38-2	Arsenic	0.16	0.53	1.2			P
7440-39-3	Barium	0.26	10.6	0.89	I		P
7440-41-7	Beryllium	0.21	0.53		U		P
7440-70-2	Calcium	52.9	264		U		P
7440-43-9	Cadmium	0.053	0.26		U		P
7440-48-4	Cobalt	0.26	2.6		U		P
7440-47-3	Chromium	0.11	0.53	4.7			P
7440-50-8	Copper	0.26	1.3	1.5			P
7439-89-6	Iron	1.6	5.3	3730			P
7440-09-7	Potassium	52.9	264		U		P
7439-95-4	Magnesium	52.9	264		U		P
7439-96-5	Manganese	0.16	0.79	4.3			P

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-MW26-S-25

Lab Name: Empirical Labs Contract: TetraTech NUS, Inc.

Lab Code: ELABN Case No.: SAS No.: SDG: SAUFLEYS001

Matrix: SOIL Lab Sample ID: 0612084-03

Level (low/med): LOW Date Sampled: 12/07/06

% Solids: 95.0 Date Received: 12/08/06

Concentration Units (ug/L or mg/kg dry weight): mg/Kg

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
7440-23-5	Sodium	52.9	264		U		P
7440-02-0	Nickel	0.26	2.1	0.51	I		P
7439-92-1	Lead	0.079	0.16	1.1			P
7440-36-0	Antimony	0.26	3.2		U	J3	P
7782-49-2	Selenium	0.26	0.53		U		P
7440-28-0	Thallium	0.16	0.53		U		P
7440-62-2	Vanadium	0.26	2.6	8.4			P
7440-66-6	Zinc	0.53	1.1	1.1			P

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-MW26-S-25

Lab Name: Empirical Labs Contract: TetraTech NUS, Inc.

Lab Code: ELABN Case No.: SAS No.: SDG: SAUFLEYS001

Matrix: SOIL Lab Sample ID: 0612084-03

Level (low/med): LOW Date Sampled: 12/07/06

% Solids: 95.0 Date Received: 12/08/06

Concentration Units (ug/L or mg/kg dry weight): mg/Kg

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
7439-97-6	Mercury	0.013	0.033		U		AV

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-MW26-S-25

Lab Name: Empirical Labs Contract: TetraTech NUS, Inc.

Lab Code: ELABN Case No.: SAS No.: SDG: SAUFLEYS001

Matrix: SOIL Lab Sample ID: 0612084-03

Level (low/med): LOW Date Sampled: 12/07/06

% Solids: 95.0 Date Received: 12/08/06

Concentration Units (ug/L or mg/kg dry weight): mg/Kg

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
57-12-5	Cyanide	0.13	0.26		U		AS

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-MW24S-20

Lab Name: Empirical Labs Contract: TetraTech NUS, Inc.

Lab Code: ELABN Case No.: SAS No.: SDG: SAUFLEYS001

Matrix: SOIL Lab Sample ID: 0612094-01

Level (low/med): LOW Date Sampled: 12/05/06

% Solids: 92.0 Date Received: 12/09/06

Concentration Units (ug/L or mg/kg dry weight): mg/Kg

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
7440-22-4	Silver	0.054	0.54		U		P
7429-90-5	Aluminum	4.1	10.8	11700			P
7440-38-2	Arsenic	0.16	0.54	2.3			P
7440-39-3	Barium	0.27	10.8	2.8	I		P
7440-41-7	Beryllium	0.22	0.54		U		P
7440-70-2	Calcium	54.1	270	76.4	I		P
7440-43-9	Cadmium	0.054	0.27		U		P
7440-48-4	Cobalt	0.27	2.7		U		P
7440-47-3	Chromium	0.11	0.54	14.0			P
7440-50-8	Copper	0.27	1.4	2.7			P
7439-89-6	Iron	1.6	5.4	9130			P
7440-09-7	Potassium	54.1	270		U		P
7439-95-4	Magnesium	54.1	270		U		P
7439-96-5	Manganese	0.16	0.81	8.1			P

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-MW24S-20

Lab Name: Empirical Labs Contract: TetraTech NUS, Inc.

Lab Code: ELABN Case No.: SAS No.: SDG: SAUFLEYS001

Matrix: SOIL Lab Sample ID: 0612094-01

Level (low/med): LOW Date Sampled: 12/05/06

% Solids: 92.0 Date Received: 12/09/06

Concentration Units (ug/L or mg/kg dry weight): mg/Kg

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
7440-23-5	Sodium	54.1	270		U		P
7440-02-0	Nickel	0.27	2.2	0.78	I		P
7439-92-1	Lead	0.081	0.16	2.2			P
7440-36-0	Antimony	0.27	3.2		U	J3	P
7782-49-2	Selenium	0.27	0.54		U		P
7440-28-0	Thallium	0.16	0.54		U		P
7440-62-2	Vanadium	0.27	2.7	22.2			P
7440-66-6	Zinc	0.54	1.1	1.6			P

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

USEPA - 7471A
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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-MW24S-20

Lab Name: Empirical Labs Contract: TetraTech NUS, Inc.

Lab Code: ELABN Case No.: SAS No.: SDG: SAUFLEYS001

Matrix: SOIL Lab Sample ID: 0612094-01

Level (low/med): LOW Date Sampled: 12/05/06

% Solids: 92.0 Date Received: 12/09/06

Concentration Units (ug/L or mg/kg dry weight): mg/Kg

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
7439-97-6	Mercury	0.014	0.035		U		AV

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-MW24S-20

Lab Name: Empirical Labs Contract: TetraTech NUS, Inc.

Lab Code: ELABN Case No.: SAS No.: SDG: SAUFLEYS001

Matrix: SOIL Lab Sample ID: 0612094-01

Level (low/med): LOW Date Sampled: 12/05/06

% Solids: 92.0 Date Received: 12/09/06

Concentration Units (ug/L or mg/kg dry weight): mg/Kg

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
57-12-5	Cyanide	0.14	0.27		U		AS

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-MW33S-5

Lab Name: Empirical Labs Contract: TetraTech NUS, Inc.

Lab Code: ELABN Case No.: SAS No.: SDG: SAUFLEYS001

Matrix: SOIL Lab Sample ID: 0612148-01

Level (low/med): LOW Date Sampled: 12/14/06

% Solids: 89.0 Date Received: 12/15/06

Concentration Units (ug/L or mg/kg dry weight): mg/Kg

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
7440-22-4	Silver	0.056	0.56		U		P
7429-90-5	Aluminum	4.2	11.2	5700			P
7440-38-2	Arsenic	0.17	0.56	4.2			P
7440-39-3	Barium	0.28	11.2	30.1			P
7440-41-7	Beryllium	0.23	0.56		U		P
7440-70-2	Calcium	56.2	281	517			P
7440-43-9	Cadmium	0.056	0.28		U		P
7440-48-4	Cobalt	0.28	2.8	1.2	I		P
7440-47-3	Chromium	0.11	0.56	3.6		J3	P
7440-50-8	Copper	0.28	1.4	2.2		J3	P
7439-89-6	Iron	1.7	5.6	10200			P
7440-09-7	Potassium	56.2	281		U		P
7439-95-4	Magnesium	56.2	281	59.7	I	J3	P
7440-23-5	Sodium	56.2	281		U		P

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

USEPA - 6010B
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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-MW33S-5

Lab Name: Empirical Labs Contract: TetraTech NUS, Inc.

Lab Code: ELABN Case No.: SAS No.: SDG: SAUFLEYS001

Matrix: SOIL Lab Sample ID: 0612148-01

Level (low/med): LOW Date Sampled: 12/14/06

% Solids: 89.0 Date Received: 12/15/06

Concentration Units (ug/L or mg/kg dry weight): mg/Kg

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
7440-02-0	Nickel	0.28	2.2	0.88	I		P
7439-92-1	Lead	0.084	0.17	4.1			P
7440-36-0	Antimony	0.28	3.4		U	J3	P
7782-49-2	Selenium	0.28	0.56		U		P
7440-28-0	Thallium	0.39	0.56		U		P
7440-62-2	Vanadium	0.28	2.8	7.8		J3	P
7440-66-6	Zinc	0.56	1.1	5.0			P
7439-96-5	Manganese	0.34	1.7	588			P

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: The thallium MDL increased due to negative bias, BLP 1/17/07

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EPA SAMPLE NO.

OLFS4-MW33S-5

Lab Name: Empirical Labs Contract: TetraTech NUS, Inc.

Lab Code: ELABN Case No.: SAS No.: SDG: SAUFLEYS001

Matrix: SOIL Lab Sample ID: 0612148-01

Level (low/med): LOW Date Sampled: 12/14/06

% Solids: 89.0 Date Received: 12/15/06

Concentration Units (ug/L or mg/kg dry weight): mg/Kg

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
7439-97-6	Mercury	0.015	0.036	0.019	I		AV

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-MW33S-5

Lab Name: Empirical Labs Contract: TetraTech NUS, Inc.

Lab Code: ELABN Case No.: SAS No.: SDG: SAUFLEYS001

Matrix: SOIL Lab Sample ID: 0612148-01

Level (low/med): LOW Date Sampled: 12/14/06

% Solids: 89.0 Date Received: 12/15/06

Concentration Units (ug/L or mg/kg dry weight): mg/Kg

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
57-12-5	Cyanide	0.14	0.28		U		AS

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

USEPA - 6010B
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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-MW33S-26

Lab Name: Empirical Labs Contract: TetraTech NUS, Inc.

Lab Code: ELABN Case No.: SAS No.: SDG: SAUFLEYS001

Matrix: SOIL Lab Sample ID: 0612148-02

Level (low/med): LOW Date Sampled: 12/14/06

% Solids: 96.0 Date Received: 12/15/06

Concentration Units (ug/L or mg/kg dry weight): mg/Kg

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
7440-22-4	Silver	0.050	0.50		U		P
7429-90-5	Aluminum	3.8	10.0	3000			P
7440-38-2	Arsenic	0.15	0.50	0.62			P
7440-39-3	Barium	0.25	10.0	0.42	I		P
7440-41-7	Beryllium	0.20	0.50		U		P
7440-70-2	Calcium	50.1	250		U		P
7440-43-9	Cadmium	0.050	0.25		U		P
7440-48-4	Cobalt	0.25	2.5		U		P
7440-47-3	Chromium	0.10	0.50	3.0		J3	P
7440-50-8	Copper	0.25	1.3	0.68	I	J3	P
7439-89-6	Iron	1.5	5.0	1950			P
7440-09-7	Potassium	50.1	250		U		P
7439-95-4	Magnesium	50.1	250		U	J3	P
7439-96-5	Manganese	0.15	0.75	2.2			P

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-MW33S-26

Lab Name: Empirical Labs Contract: TetraTech NUS, Inc.

Lab Code: ELABN Case No.: SAS No.: SDG: SAUFLEYS001

Matrix: SOIL Lab Sample ID: 0612148-02

Level (low/med): LOW Date Sampled: 12/14/06

% Solids: 96.0 Date Received: 12/15/06

Concentration Units (ug/L or mg/kg dry weight): mg/Kg

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
7440-23-5	Sodium	50.1	250		U		P
7440-02-0	Nickel	0.25	2.0		U		P
7439-92-1	Lead	0.075	0.15	0.62			P
7440-36-0	Antimony	0.25	3.0		U	J3	P
7782-49-2	Selenium	0.25	0.50		U		P
7440-28-0	Thallium	0.15	0.50		U		P
7440-62-2	Vanadium	0.25	2.5	4.4		J3	P
7440-66-6	Zinc	0.50	1.0	0.98	I		P

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-MW33S-26

Lab Name: Empirical Labs Contract: TetraTech NUS, Inc.

Lab Code: ELABN Case No.: SAS No.: SDG: SAUFLEYS001

Matrix: SOIL Lab Sample ID: 0612148-02

Level (low/med): LOW Date Sampled: 12/14/06

% Solids: 96.0 Date Received: 12/15/06

Concentration Units (ug/L or mg/kg dry weight): mg/Kg

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
7439-97-6	Mercury	0.013	0.034		U		AV

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-MW33S-26

Lab Name: Empirical Labs Contract: TetraTech NUS, Inc.

Lab Code: ELABN Case No.: SAS No.: SDG: SAUFLEYS001

Matrix: SOIL Lab Sample ID: 0612148-02

Level (low/med): LOW Date Sampled: 12/14/06

% Solids: 96.0 Date Received: 12/15/06

Concentration Units (ug/L or mg/kg dry weight): mg/Kg

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
57-12-5	Cyanide	0.13	0.26		U		AS

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-MW35S-29

Lab Name: Empirical Labs Contract: TetraTech NUS, Inc.

Lab Code: ELABN Case No.: SAS No.: SDG: SAUFLEYS001

Matrix: SOIL Lab Sample ID: 0612148-03

Level (low/med): LOW Date Sampled: 12/14/06

% Solids: 94.0 Date Received: 12/15/06

Concentration Units (ug/L or mg/kg dry weight): mg/Kg

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
7440-22-4	Silver	0.053	0.53		U		P
7429-90-5	Aluminum	4.0	10.6	7200			P
7440-38-2	Arsenic	0.16	0.53	1.3			P
7440-39-3	Barium	0.26	10.6	5.4	I		P
7440-41-7	Beryllium	0.21	0.53		U		P
7440-70-2	Calcium	52.9	265		U		P
7440-43-9	Cadmium	0.053	0.27		U		P
7440-48-4	Cobalt	0.26	2.6	0.42	I		P
7440-47-3	Chromium	0.11	0.53	7.9		J3	P
7440-50-8	Copper	0.26	1.3	2.5		J3	P
7439-89-6	Iron	1.6	5.3	5110			P
7440-09-7	Potassium	52.9	265		U		P
7439-95-4	Magnesium	52.9	265		U	J3	P
7439-96-5	Manganese	0.16	0.79	61.7			P

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

USEPA - 6010B
- 1 -
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-MW35S-29

Lab Name: Empirical Labs Contract: TetraTech NUS, Inc.

Lab Code: ELABN Case No.: SAS No.: SDG: SAUFLEYS001

Matrix: SOIL Lab Sample ID: 0612148-03

Level (low/med): LOW Date Sampled: 12/14/06

% Solids: 94.0 Date Received: 12/15/06

Concentration Units (ug/L or mg/kg dry weight): mg/Kg

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
7440-23-5	Sodium	52.9	265		U		P
7440-02-0	Nickel	0.26	2.1	1.2	I		P
7439-92-1	Lead	0.079	0.16	2.4			P
7440-36-0	Antimony	0.26	3.2		U	J3	P
7782-49-2	Selenium	0.26	0.53		U		P
7440-28-0	Thallium	0.37	0.53		U		P
7440-62-2	Vanadium	0.26	2.6	9.9		J3	P
7440-66-6	Zinc	0.53	1.1	2.5			P

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: The thallium MDL was increased due to negative bias. BLD 1/17/07

USEPA - 7471A
- 1 -
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-MW35S-29

Lab Name: Empirical Labs Contract: TetraTech NUS, Inc.

Lab Code: ELABN Case No.: SAS No.: SDG: SAUFLEYS001

Matrix: SOIL Lab Sample ID: 0612148-03

Level (low/med): LOW Date Sampled: 12/14/06

% Solids: 94.0 Date Received: 12/15/06

Concentration Units (ug/L or mg/kg dry weight): mg/Kg

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
7439-97-6	Mercury	0.013	0.032		U		AV

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

USEPA - 9012A
- 1 -
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-MW35S-29

Lab Name: Empirical Labs Contract: TetraTech NUS, Inc.

Lab Code: ELABN Case No.: SAS No.: SDG: SAUFLEYS001

Matrix: SOIL Lab Sample ID: 0612148-03

Level (low/med): LOW Date Sampled: 12/14/06

% Solids: 94.0 Date Received: 12/15/06

Concentration Units (ug/L or mg/kg dry weight): mg/Kg

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
57-12-5	Cyanide	0.13	0.27		U		AS

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

USEPA - 6010B
- 1 -
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-MW36S-25

Lab Name: Empirical Labs Contract: TetraTech NUS, Inc.

Lab Code: ELABN Case No.: SAS No.: SDG: SAUFLEYS001

Matrix: SOIL Lab Sample ID: 0612148-04

Level (low/med): LOW Date Sampled: 12/14/06

% Solids: 95.0 Date Received: 12/15/06

Concentration Units (ug/L or mg/kg dry weight): mg/Kg

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
7440-22-4	Silver	0.051	0.51		U		P
7429-90-5	Aluminum	3.9	10.3	8820			P
7440-38-2	Arsenic	0.15	0.51	1.8			P
7440-39-3	Barium	0.26	10.3	1.7	I		P
7440-41-7	Beryllium	0.21	0.51		U		P
7440-70-2	Calcium	51.3	257	113	I		P
7440-43-9	Cadmium	0.051	0.26		U		P
7440-48-4	Cobalt	0.26	2.6		U		P
7440-47-3	Chromium	0.10	0.51	6.3		J3	P
7440-50-8	Copper	0.26	1.3	2.2		J3	P
7439-89-6	Iron	1.5	5.1	5350			P
7440-09-7	Potassium	51.3	257		U		P
7439-95-4	Magnesium	51.3	257		U	J3	P
7439-96-5	Manganese	0.15	0.77	6.2			P

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

USEPA - 6010B
- 1 -
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-MW36S-25

Lab Name: Empirical Labs Contract: TetraTech NUS, Inc.

Lab Code: ELABN Case No.: SAS No.: SDG: SAUFLEYS001

Matrix: SOIL Lab Sample ID: 0612148-04

Level (low/med): LOW Date Sampled: 12/14/06

% Solids: 95.0 Date Received: 12/15/06

Concentration Units (ug/L or mg/kg dry weight): mg/Kg

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
7440-23-5	Sodium	51.3	257		U		P
7440-02-0	Nickel	0.26	2.1	0.65	I		P
7439-92-1	Lead	0.077	0.15	1.4			P
7440-36-0	Antimony	0.26	3.1		U	J3	P
7782-49-2	Selenium	0.26	0.51		U		P
7440-28-0	Thallium	0.15	0.51		U		P
7440-62-2	Vanadium	0.26	2.6	12.4		J3	P
7440-66-6	Zinc	0.51	1.0	1.8			P

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

USEPA - 7471A
- 1 -
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-MW36S-25

Lab Name: Empirical Labs Contract: TetraTech NUS, Inc.

Lab Code: ELABN Case No.: SAS No.: SDG: SAUFLEYS001

Matrix: SOIL Lab Sample ID: 0612148-04

Level (low/med): LOW Date Sampled: 12/14/06

% Solids: 95.0 Date Received: 12/15/06

Concentration Units (ug/L or mg/kg dry weight): mg/Kg

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
7439-97-6	Mercury	0.012	0.030		U		AV

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

USEPA - 9012A
- 1 -
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-MW36S-25

Lab Name: Empirical Labs Contract: TetraTech NUS, Inc.

Lab Code: ELABN Case No.: SAS No.: SDG: SAUFLEYS001

Matrix: SOIL Lab Sample ID: 0612148-04

Level (low/med): LOW Date Sampled: 12/14/06

% Solids: 95.0 Date Received: 12/15/06

Concentration Units (ug/L or mg/kg dry weight): mg/Kg

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
57-12-5	Cyanide	0.13	0.26		U		AS

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

USEPA - 6010B
- 1 -
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-SB2-S10

Lab Name: Empirical Labs Contract: TetraTech NUS, Inc.

Lab Code: ELABN Case No.: SAS No.: SDG: SAUFLEYS001

Matrix: SOIL Lab Sample ID: 0612161-01

Level (low/med): LOW Date Sampled: 12/15/06

% Solids: 92.0 Date Received: 12/16/06

Concentration Units (ug/L or mg/kg dry weight): mg/Kg

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
7440-22-4	Silver	0.054	0.54		U		P
7429-90-5	Aluminum	4.1	10.9	8150			P
7440-38-2	Arsenic	0.16	0.54	1.4			P
7440-39-3	Barium	0.27	10.9	5.2	I		P
7440-41-7	Beryllium	0.22	0.54		U		P
7440-70-2	Calcium	54.3	272	63.1	I		P
7440-43-9	Cadmium	0.054	0.27		U		P
7440-48-4	Cobalt	0.27	2.7		U		P
7440-47-3	Chromium	0.11	0.54	6.5		J3	P
7440-50-8	Copper	0.27	1.4	2.2		J3	P
7439-89-6	Iron	1.6	5.4	5490			P
7440-09-7	Potassium	54.3	272		U		P
7439-95-4	Magnesium	54.3	272	61.7	I	J3	P
7439-96-5	Manganese	0.16	0.82	19.9			P

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

USEPA - 6010B
- 1 -
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-SB2-S10

Lab Name: Empirical Labs Contract: TetraTech NUS, Inc.

Lab Code: ELABN Case No.: SAS No.: SDG: SAUFLEYS001

Matrix: SOIL Lab Sample ID: 0612161-01

Level (low/med): LOW Date Sampled: 12/15/06

% Solids: 92.0 Date Received: 12/16/06

Concentration Units (ug/L or mg/kg dry weight): mg/Kg

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
7440-23-5	Sodium	54.3	272		U		P
7440-02-0	Nickel	0.27	2.2	1.0	I		P
7439-92-1	Lead	0.082	0.16	1.9			P
7440-36-0	Antimony	0.27	3.3		U	J3	P
7782-49-2	Selenium	0.27	0.54		U		P
7440-28-0	Thallium	0.16	0.54		U		P
7440-62-2	Vanadium	0.27	2.7	12.5		J3	P
7440-66-6	Zinc	0.54	1.1	2.8			P

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

USEPA - 7471A
- 1 -
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-SB2-S10

Lab Name: Empirical Labs Contract: TetraTech NUS, Inc.

Lab Code: ELABN Case No.: SAS No.: SDG: SAUFLEYS001

Matrix: SOIL Lab Sample ID: 0612161-01

Level (low/med): LOW Date Sampled: 12/15/06

% Solids: 92.0 Date Received: 12/16/06

Concentration Units (ug/L or mg/kg dry weight): mg/Kg

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
7439-97-6	Mercury	0.015	0.036		U		AV

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

USEPA - 9012A
- 1 -
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-SB2-S10

Lab Name: Empirical Labs Contract: TetraTech NUS, Inc.

Lab Code: ELABN Case No.: SAS No.: SDG: SAUFLEYS001

Matrix: SOIL Lab Sample ID: 0612161-01

Level (low/med): LOW Date Sampled: 12/15/06

% Solids: 92.0 Date Received: 12/16/06

Concentration Units (ug/L or mg/kg dry weight): mg/Kg

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
57-12-5	Cyanide	0.14	0.27		U		AS

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

USEPA - 7471A
- 1 -
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-SB2-S-26

Lab Name: Empirical Labs Contract: TetraTech NUS, Inc.

Lab Code: ELABN Case No.: SAS No.: SDG: SAUFLEYS001

Matrix: SOIL Lab Sample ID: 0612161-02

Level (low/med): LOW Date Sampled: 12/15/06

% Solids: 88.0 Date Received: 12/16/06

Concentration Units (ug/L or mg/kg dry weight): mg/Kg

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
7439-97-6	Mercury	0.016	0.039		U		AV

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

USEPA - 9012A
- 1 -
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-SB2-S-26

Lab Name: Empirical Labs Contract: TetraTech NUS, Inc.

Lab Code: ELABN Case No.: SAS No.: SDG: SAUFLEYS001

Matrix: SOIL Lab Sample ID: 0612161-02

Level (low/med): LOW Date Sampled: 12/15/06

% Solids: 88.0 Date Received: 12/16/06

Concentration Units (ug/L or mg/kg dry weight): mg/Kg

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
57-12-5	Cyanide	0.14	0.28		U		AS

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

USEPA - 6010B
- 1 -
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-SB2-S-26

Lab Name: Empirical Labs Contract: TetraTech NUS, Inc.

Lab Code: ELABN Case No.: SAS No.: SDG: SAUFLEYS001

Matrix: SOIL Lab Sample ID: 0612161-02

Level (low/med): LOW Date Sampled: 12/15/06

% Solids: 88.0 Date Received: 12/16/06

Concentration Units (ug/L or mg/kg dry weight): mg/Kg

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
7440-22-4	Silver	0.055	0.55		U		P
7429-90-5	Aluminum	4.2	11.1	776			P
7440-38-2	Arsenic	0.17	0.55	0.20	I		P
7440-39-3	Barium	0.28	11.1	1.2	I		P
7440-41-7	Beryllium	0.22	0.55		U		P
7440-70-2	Calcium	55.4	277		U		P
7440-43-9	Cadmium	0.055	0.28		U		P
7440-48-4	Cobalt	0.28	2.8		U		P
7440-47-3	Chromium	0.11	0.55	2.7		J3	P
7440-50-8	Copper	0.28	1.4	0.35	I	J3	P
7439-89-6	Iron	1.7	5.5	382			P
7440-09-7	Potassium	55.4	277		U		P
7439-95-4	Magnesium	55.4	277		U	J3	P
7439-96-5	Manganese	0.17	0.83	2.2			P

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

USEPA - 6010B
- 1 -
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-SB2-S-26

Lab Name: Empirical Labs Contract: TetraTech NUS, Inc.

Lab Code: ELABN Case No.: SAS No.: SDG: SAUFLEYS001

Matrix: SOIL Lab Sample ID: 0612161-02

Level (low/med): LOW Date Sampled: 12/15/06

% Solids: 88.0 Date Received: 12/16/06

Concentration Units (ug/L or mg/kg dry weight): mg/Kg

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
7440-23-5	Sodium	55.4	277		U		P
7440-02-0	Nickel	0.28	2.2		U		P
7439-92-1	Lead	0.083	0.17	0.89			P
7440-36-0	Antimony	0.28	3.3		U	J3	P
7782-49-2	Selenium	0.28	0.55		U		P
7440-28-0	Thallium	0.22	0.55		U		P
7440-62-2	Vanadium	0.28	2.8	1.2	I	J3	P
7440-66-6	Zinc	0.55	1.1		U		P

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: The thallium MDL was increased due to negative bias. BLD 1/17/07

USEPA - 7471A
- 1 -
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-SB3-S-10

Lab Name: Empirical Labs Contract: TetraTech NUS, Inc.

Lab Code: ELABN Case No.: SAS No.: SDG: SAUFLEYS001

Matrix: SOIL Lab Sample ID: 0612161-03

Level (low/med): LOW Date Sampled: 12/15/06

% Solids: 89.0 Date Received: 12/16/06

Concentration Units (ug/L or mg/kg dry weight): mg/Kg

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
7439-97-6	Mercury	0.015	0.036		U		AV

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

USEPA - 9012A

- 1 -

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-SB3-S-10

Lab Name: Empirical Labs Contract: TetraTech NUS, Inc.

Lab Code: ELABN Case No.: SAS No.: SDG: SAUFLEYS001

Matrix: SOIL Lab Sample ID: 0612161-03

Level (low/med): LOW Date Sampled: 12/15/06

% Solids: 89.0 Date Received: 12/16/06

Concentration Units (ug/L or mg/kg dry weight): mg/Kg

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
57-12-5	Cyanide	0.14	0.28		U		AS

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

USEPA - 6010B
- 1 -
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-SB3-S-10

Lab Name: Empirical Labs Contract: TetraTech NUS, Inc.

Lab Code: ELABN Case No.: SAS No.: SDG: SAUFLEYS001

Matrix: SOIL Lab Sample ID: 0612161-03

Level (low/med): LOW Date Sampled: 12/15/06

% Solids: 89.0 Date Received: 12/16/06

Concentration Units (ug/L or mg/kg dry weight): mg/Kg

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
7440-22-4	Silver	0.055	0.55		U		P
7429-90-5	Aluminum	4.1	11.0	19500			P
7440-38-2	Arsenic	0.17	0.55	3.3			P
7440-39-3	Barium	0.28	11.0	4.2	I		P
7440-41-7	Beryllium	0.22	0.55		U		P
7440-70-2	Calcium	55.1	275		U		P
7440-43-9	Cadmium	0.055	0.28		U		P
7440-48-4	Cobalt	0.28	2.8		U		P
7440-47-3	Chromium	0.11	0.55	18.8		J3	P
7440-50-8	Copper	0.28	1.4	4.2		J3	P
7439-89-6	Iron	1.7	5.5	14100			P
7440-09-7	Potassium	55.1	275		U		P
7439-95-4	Magnesium	55.1	275		U	J3	P
7439-96-5	Manganese	0.17	0.83	16.5			P

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

USEPA - 6010B
- 1 -
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-SB3-S-10

Lab Name: Empirical Labs Contract: TetraTech NUS, Inc.

Lab Code: ELABN Case No.: SAS No.: SDG: SAUFLEYS001

Matrix: SOIL Lab Sample ID: 0612161-03

Level (low/med): LOW Date Sampled: 12/15/06

% Solids: 89.0 Date Received: 12/16/06

Concentration Units (ug/L or mg/kg dry weight): mg/Kg

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
7440-23-5	Sodium	55.1	275		U		P
7440-02-0	Nickel	0.28	2.2	1.2	I		P
7439-92-1	Lead	0.083	0.17	3.7			P
7440-36-0	Antimony	0.28	3.3		U	J3	P
7782-49-2	Selenium	0.28	0.55		U		P
7440-28-0	Thallium	0.22	0.55		U		P
7440-62-2	Vanadium	0.28	2.8	35.8		J3	P
7440-66-6	Zinc	0.55	1.1	3.3			P

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: The thallium MDL was increased due to negative bias, 1/17/07 BLD

USEPA - 6010B
- 1 -
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-SB3-S-26

Lab Name: Empirical Labs Contract: TetraTech NUS, Inc.

Lab Code: ELABN Case No.: SAS No.: SDG: SAUFLEYS001

Matrix: SOIL Lab Sample ID: 0612161-04

Level (low/med): LOW Date Sampled: 12/15/06

% Solids: 91.0 Date Received: 12/16/06

Concentration Units (ug/L or mg/kg dry weight): mg/Kg

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
7440-22-4	Silver	0.054	0.54		U		P
7429-90-5	Aluminum	4.0	10.7	7170			P
7440-38-2	Arsenic	0.16	0.54	1.4			P
7440-39-3	Barium	0.27	10.7	2.3	I		P
7440-41-7	Beryllium	0.21	0.54		U		P
7440-70-2	Calcium	53.6	268		U		P
7440-43-9	Cadmium	0.054	0.27		U		P
7440-48-4	Cobalt	0.27	2.7		U		P
7440-47-3	Chromium	0.11	0.54	9.3		J3	P
7440-50-8	Copper	0.27	1.3	1.8		J3	P
7439-89-6	Iron	1.6	5.4	7030			P
7440-09-7	Potassium	53.6	268		U		P
7439-95-4	Magnesium	53.6	268		U	J3	P
7439-96-5	Manganese	0.16	0.80	3.2			P

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

USEPA - 6010B
- 1 -
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-SB3-S-26

Lab Name: Empirical Labs Contract: TetraTech NUS, Inc.

Lab Code: ELABN Case No.: SAS No.: SDG: SAUFLEYS001

Matrix: SOIL Lab Sample ID: 0612161-04

Level (low/med): LOW Date Sampled: 12/15/06

% Solids: 91.0 Date Received: 12/16/06

Concentration Units (ug/L or mg/kg dry weight): mg/Kg

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
7440-23-5	Sodium	53.6	268		U		P
7440-02-0	Nickel	0.27	2.1	0.75	I		P
7439-92-1	Lead	0.080	0.16	1.8			P
7440-36-0	Antimony	0.27	3.2		U	J3	P
7782-49-2	Selenium	0.27	0.54		U		P
7440-28-0	Thallium	0.27	0.54		U		P
7440-62-2	Vanadium	0.27	2.7	18.2		J3	P
7440-66-6	Zinc	0.54	1.1	1.3			P

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: The thallium MDL was increased due to negative balance

BLD 1/17/07

USEPA - 7471A
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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-SB3-S-26

Lab Name: Empirical Labs Contract: TetraTech NUS, Inc.

Lab Code: ELABN Case No.: SAS No.: SDG: SAUFLEYS001

Matrix: SOIL Lab Sample ID: 0612161-04

Level (low/med): LOW Date Sampled: 12/15/06

% Solids: 91.0 Date Received: 12/16/06

Concentration Units (ug/L or mg/kg dry weight): mg/Kg

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
7439-97-6	Mercury	0.013	0.031		U		AV

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

USEPA - 9012A
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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-SB3-S-26

Lab Name: Empirical Labs Contract: TetraTech NUS, Inc.

Lab Code: ELABN Case No.: SAS No.: SDG: SAUFLEYS001

Matrix: SOIL Lab Sample ID: 0612161-04

Level (low/med): LOW Date Sampled: 12/15/06

% Solids: 91.0 Date Received: 12/16/06

Concentration Units (ug/L or mg/kg dry weight): mg/Kg

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
57-12-5	Cyanide	0.14	0.28		U		AS

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

USEPA - 6010B
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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-SB4-S-10

Lab Name: Empirical Labs Contract: TetraTech NUS, Inc.

Lab Code: ELABN Case No.: SAS No.: SDG: SAUFLEYS001

Matrix: SOIL Lab Sample ID: 0612161-05

Level (low/med): LOW Date Sampled: 12/15/06

% Solids: 95.0 Date Received: 12/16/06

Concentration Units (ug/L or mg/kg dry weight): mg/Kg

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
7440-22-4	Silver	0.052	0.52		U		P
7429-90-5	Aluminum	3.9	10.4	3610			P
7440-38-2	Arsenic	0.16	0.52	0.60			P
7440-39-3	Barium	0.26	10.4	3.6	I		P
7440-41-7	Beryllium	0.21	0.52		U		P
7440-70-2	Calcium	52.1	261		U		P
7440-43-9	Cadmium	0.052	0.26		U		P
7440-48-4	Cobalt	0.26	2.6		U		P
7440-47-3	Chromium	0.10	0.52	2.7		J3	P
7440-50-8	Copper	0.26	1.3	1.2	I	J3	P
7439-89-6	Iron	1.6	5.2	2660			P
7440-09-7	Potassium	52.1	261		U		P
7439-95-4	Magnesium	52.1	261		U	J3	P
7439-96-5	Manganese	0.16	0.78	6.3			P

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

USEPA - 6010B
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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-SB4-S-10

Lab Name: Empirical Labs Contract: TetraTech NUS, Inc.

Lab Code: ELABN Case No.: SAS No.: SDG: SAUFLEYS001

Matrix: SOIL Lab Sample ID: 0612161-05

Level (low/med): LOW Date Sampled: 12/15/06

% Solids: 95.0 Date Received: 12/16/06

Concentration Units (ug/L or mg/kg dry weight): mg/Kg

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
7440-23-5	Sodium	52.1	261		U		P
7440-02-0	Nickel	0.26	2.1	0.71	I		P
7439-92-1	Lead	0.078	0.16	1.3			P
7440-36-0	Antimony	0.26	3.1		U	J3	P
7782-49-2	Selenium	0.26	0.52		U		P
7440-28-0	Thallium	0.31	0.52		U		P
7440-62-2	Vanadium	0.26	2.6	5.6		J3	P
7440-66-6	Zinc	0.52	1.0	1.9			P

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: The thallium MDL was increased due to negative bias. 1/17/07 BLD

USEPA - 7471A
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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-SB4-S-10

Lab Name: Empirical Labs Contract: TetraTech NUS, Inc.

Lab Code: ELABN Case No.: SAS No.: SDG: SAUFLEYS001

Matrix: SOIL Lab Sample ID: 0612161-05

Level (low/med): LOW Date Sampled: 12/15/06

% Solids: 95.0 Date Received: 12/16/06

Concentration Units (ug/L or mg/kg dry weight): mg/Kg

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
7439-97-6	Mercury	0.014	0.035		U		AV

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

USEPA - 9012A
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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-SB4-S-10

Lab Name: Empirical Labs Contract: TetraTech NUS, Inc.

Lab Code: ELABN Case No.: SAS No.: SDG: SAUFLEYS001

Matrix: SOIL Lab Sample ID: 0612161-05

Level (low/med): LOW Date Sampled: 12/15/06

% Solids: 95.0 Date Received: 12/16/06

Concentration Units (ug/L or mg/kg dry weight): mg/Kg

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
57-12-5	Cyanide	0.13	0.26		U		AS

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

USEPA - 6010B
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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-SB4-S-45

Lab Name: Empirical Labs Contract: TetraTech NUS, Inc.

Lab Code: ELABN Case No.: SAS No.: SDG: SAUFLEYS001

Matrix: SOIL Lab Sample ID: 0612161-06

Level (low/med): LOW Date Sampled: 12/15/06

% Solids: 90.0 Date Received: 12/16/06

Concentration Units (ug/L or mg/kg dry weight): mg/Kg

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
7440-22-4	Silver	0.056	0.56		U		P
7429-90-5	Aluminum	4.2	11.2	827			P
7440-38-2	Arsenic	0.17	0.56	2.4			P
7440-39-3	Barium	0.28	11.2	1.2	I		P
7440-41-7	Beryllium	0.22	0.56		U		P
7440-70-2	Calcium	55.8	279		U		P
7440-43-9	Cadmium	0.056	0.28		U		P
7440-48-4	Cobalt	0.28	2.8		U		P
7440-47-3	Chromium	0.11	0.56	3.8		J3	P
7440-50-8	Copper	0.28	1.4	1.3	I	J3	P
7439-89-6	Iron	1.7	5.6	2970			P
7440-09-7	Potassium	55.8	279		U		P
7439-95-4	Magnesium	55.8	279		U	J3	P
7439-96-5	Manganese	0.17	0.84	0.85			P

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

USEPA - 6010B
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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-SB4-S-45

Lab Name: Empirical Labs Contract: TetraTech NUS, Inc.

Lab Code: ELABN Case No.: SAS No.: SDG: SAUFLEYS001

Matrix: SOIL Lab Sample ID: 0612161-06

Level (low/med): LOW Date Sampled: 12/15/06

% Solids: 90.0 Date Received: 12/16/06

Concentration Units (ug/L or mg/kg dry weight): mg/Kg

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
7440-23-5	Sodium	55.8	279		U		P
7440-02-0	Nickel	0.28	2.2		U		P
7439-92-1	Lead	0.084	0.17	1.9			P
7440-36-0	Antimony	0.28	3.4		U	J3	P
7782-49-2	Selenium	0.28	0.56	0.35	I		P
7440-28-0	Thallium	0.17	0.56		U		P
7440-62-2	Vanadium	0.28	2.8	12.0		J3	P
7440-66-6	Zinc	0.56	1.1		U		P

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

USEPA - 7471A
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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-SB4-S-45

Lab Name: Empirical Labs Contract: TetraTech NUS, Inc.

Lab Code: ELABN Case No.: SAS No.: SDG: SAUFLEYS001

Matrix: SOIL Lab Sample ID: 0612161-06

Level (low/med): LOW Date Sampled: 12/15/06

% Solids: 90.0 Date Received: 12/16/06

Concentration Units (ug/L or mg/kg dry weight): mg/Kg

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
7439-97-6	Mercury	0.014	0.035		U		AV

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-SB4-S-45

Lab Name: Empirical Labs Contract: TetraTech NUS, Inc.

Lab Code: ELABN Case No.: SAS No.: SDG: SAUFLEYS001

Matrix: SOIL Lab Sample ID: 0612161-06

Level (low/med): LOW Date Sampled: 12/15/06

% Solids: 90.0 Date Received: 12/16/06

Concentration Units (ug/L or mg/kg dry weight): mg/Kg

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
57-12-5	Cyanide	0.14	0.28		U		AS

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-SB5-S-10

Lab Name: Empirical Labs Contract: TetraTech NUS, Inc.

Lab Code: ELABN Case No.: SAS No.: SDG: SAUFLEYS001

Matrix: SOIL Lab Sample ID: 0612161-07

Level (low/med): LOW Date Sampled: 12/15/06

% Solids: 88.0 Date Received: 12/16/06

Concentration Units (ug/L or mg/kg dry weight): mg/Kg

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
7440-22-4	Silver	0.056	0.56		U		P
7429-90-5	Aluminum	4.2	11.2	3020			P
7440-38-2	Arsenic	0.17	0.56	0.55	I		P
7440-39-3	Barium	0.28	11.2	2.9	I		P
7440-41-7	Beryllium	0.22	0.56		U		P
7440-70-2	Calcium	56.0	280	76.3	I		P
7440-43-9	Cadmium	0.056	0.28		U		P
7440-48-4	Cobalt	0.28	2.8	0.34	I		P
7440-47-3	Chromium	0.11	0.56	2.0		J3	P
7440-50-8	Copper	0.28	1.4	0.91	I	J3	P
7439-89-6	Iron	1.7	5.6	2090			P
7440-09-7	Potassium	56.0	280		U		P
7439-95-4	Magnesium	56.0	280		U	J3	P
7439-96-5	Manganese	0.17	0.84	12.5			P

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-SB5-S-10

Lab Name: Empirical Labs Contract: TetraTech NUS, Inc.

Lab Code: ELABN Case No.: SAS No.: SDG: SAUFLEYS001

Matrix: SOIL Lab Sample ID: 0612161-07

Level (low/med): LOW Date Sampled: 12/15/06

% Solids: 88.0 Date Received: 12/16/06

Concentration Units (ug/L or mg/kg dry weight): mg/Kg

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
7440-23-5	Sodium	56.0	280		U		P
7440-02-0	Nickel	0.28	2.2	0.71	I		P
7439-92-1	Lead	0.084	0.17	1.2			P
7440-36-0	Antimony	0.28	3.4		U	J3	P
7782-49-2	Selenium	0.28	0.56		U		P
7440-28-0	Thallium	0.17	0.56		U		P
7440-62-2	Vanadium	0.28	2.8	4.3		J3	P
7440-66-6	Zinc	0.56	1.1	1.7			P

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-SB5-S-10

Lab Name: Empirical Labs Contract: TetraTech NUS, Inc.

Lab Code: ELABN Case No.: SAS No.: SDG: SAUFLEYS001

Matrix: SOIL Lab Sample ID: 0612161-07

Level (low/med): LOW Date Sampled: 12/15/06

% Solids: 88.0 Date Received: 12/16/06

Concentration Units (ug/L or mg/kg dry weight): mg/Kg

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
7439-97-6	Mercury	0.014	0.034		U		AV

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-SB5-S-10

Lab Name: Empirical Labs Contract: TetraTech NUS, Inc.

Lab Code: ELABN Case No.: SAS No.: SDG: SAUFLEYS001

Matrix: SOIL Lab Sample ID: 0612161-07

Level (low/med): LOW Date Sampled: 12/15/06

% Solids: 88.0 Date Received: 12/16/06

Concentration Units (ug/L or mg/kg dry weight): mg/Kg

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
57-12-5	Cyanide	0.14	0.28		U		AS

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

USEPA - 6010B
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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-SB5-S-45

Lab Name: Empirical Labs Contract: TetraTech NUS, Inc.

Lab Code: ELABN Case No.: SAS No.: SDG: SAUFLEYS001

Matrix: SOIL Lab Sample ID: 0612161-08

Level (low/med): LOW Date Sampled: 12/15/06

% Solids: 88.0 Date Received: 12/16/06

Concentration Units (ug/L or mg/kg dry weight): mg/Kg

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
7440-22-4	Silver	0.054	0.54		U		P
7429-90-5	Aluminum	4.1	10.8	883			P
7440-38-2	Arsenic	0.16	0.54	2.2			P
7440-39-3	Barium	0.27	10.8	1.2	I		P
7440-41-7	Beryllium	0.22	0.54		U		P
7440-70-2	Calcium	54.1	271		U		P
7440-43-9	Cadmium	0.054	0.27		U		P
7440-48-4	Cobalt	0.27	2.7		U		P
7440-47-3	Chromium	0.11	0.54	3.5		J3	P
7440-50-8	Copper	0.27	1.4	0.93	I	J3	P
7439-89-6	Iron	1.6	5.4	2440			P
7440-09-7	Potassium	54.1	271		U		P
7439-95-4	Magnesium	54.1	271		U	J3	P
7439-96-5	Manganese	0.16	0.81	0.93			P

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

USEPA - 6010B
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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-SB5-S-45

Lab Name: Empirical Labs Contract: TetraTech NUS, Inc.

Lab Code: ELABN Case No.: SAS No.: SDG: SAUFLEYS001

Matrix: SOIL Lab Sample ID: 0612161-08

Level (low/med): LOW Date Sampled: 12/15/06

% Solids: 88.0 Date Received: 12/16/06

Concentration Units (ug/L or mg/kg dry weight): mg/Kg

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
7440-23-5	Sodium	54.1	271		U		P
7440-02-0	Nickel	0.27	2.2		U		P
7439-92-1	Lead	0.081	0.16	1.7			P
7440-36-0	Antimony	0.27	3.2		U	J3	P
7782-49-2	Selenium	0.27	0.54	0.28	I		P
7440-28-0	Thallium	0.16	0.54		U		P
7440-62-2	Vanadium	0.27	2.7	10.3		J3	P
7440-66-6	Zinc	0.54	1.1		U		P

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

USEPA - 7471A
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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-SB5-S-45

Lab Name: Empirical Labs Contract: TetraTech NUS, Inc.

Lab Code: ELABN Case No.: SAS No.: SDG: SAUFLEYS001

Matrix: SOIL Lab Sample ID: 0612161-08

Level (low/med): LOW Date Sampled: 12/15/06

% Solids: 88.0 Date Received: 12/16/06

Concentration Units (ug/L or mg/kg dry weight): mg/Kg

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
7439-97-6	Mercury	0.015	0.037		U		AV

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-SB5-S-45

Lab Name: Empirical Labs Contract: TetraTech NUS, Inc.

Lab Code: ELABN Case No.: SAS No.: SDG: SAUFLEYS001

Matrix: SOIL Lab Sample ID: 0612161-08

Level (low/med): LOW Date Sampled: 12/15/06

% Solids: 88.0 Date Received: 12/16/06

Concentration Units (ug/L or mg/kg dry weight): mg/Kg

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
57-12-5	Cyanide	0.14	0.28		U		AS

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

USEPA - 6010B
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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-SB6-S-16

Lab Name: Empirical Labs Contract: TetraTech NUS, Inc.

Lab Code: ELABN Case No.: SAS No.: SDG: SAUFLEYS001

Matrix: SOIL Lab Sample ID: 0612161-09

Level (low/med): LOW Date Sampled: 12/15/06

% Solids: 92.0 Date Received: 12/16/06

Concentration Units (ug/L or mg/kg dry weight): mg/Kg

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
7440-22-4	Silver	0.054	0.54		U		P
7429-90-5	Aluminum	4.1	10.8	20600			P
7440-38-2	Arsenic	0.16	0.54	3.1			P
7440-39-3	Barium	0.27	10.8	4.1	I		P
7440-41-7	Beryllium	0.22	0.54		U		P
7440-70-2	Calcium	54.1	270	84.5	I		P
7440-43-9	Cadmium	0.11	0.27		U		P
7440-48-4	Cobalt	0.27	2.7		U		P
7440-47-3	Chromium	0.11	0.54	16.1		J3	P
7440-50-8	Copper	0.27	1.4	4.1		J3	P
7439-89-6	Iron	1.6	5.4	11900			P
7440-09-7	Potassium	54.1	270		U		P
7439-95-4	Magnesium	54.1	270		U	J3	P
7439-96-5	Manganese	0.16	0.81	12.7			P

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: The cadmium MDL was increased due to negative bias. 1/17/07 BLD

USEPA - 6010B
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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-SB6-S-16

Lab Name: Empirical Labs Contract: TetraTech NUS, Inc.

Lab Code: ELABN Case No.: SAS No.: SDG: SAUFLEYS001

Matrix: SOIL Lab Sample ID: 0612161-09

Level (low/med): LOW Date Sampled: 12/15/06

% Solids: 92.0 Date Received: 12/16/06

Concentration Units (ug/L or mg/kg dry weight): mg/Kg

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
7440-23-5	Sodium	54.1	270		U		P
7440-02-0	Nickel	0.27	2.2	1.2	I		P
7439-92-1	Lead	0.081	0.16	3.3			P
7440-36-0	Antimony	0.27	3.2		U	J3	P
7782-49-2	Selenium	0.27	0.54		U		P
7440-28-0	Thallium	0.54	0.54		U		P
7440-62-2	Vanadium	0.27	2.7	28.5		J3	P
7440-66-6	Zinc	0.54	1.1	2.8			P

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: The thallium MDL was increased due to negative bias. 1/17/07 BLD

USEPA - 7471A
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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-SB6-S-16

Lab Name: Empirical Labs Contract: TetraTech NUS, Inc.

Lab Code: ELABN Case No.: SAS No.: SDG: SAUFLEYS001

Matrix: SOIL Lab Sample ID: 0612161-09

Level (low/med): LOW Date Sampled: 12/15/06

% Solids: 92.0 Date Received: 12/16/06

Concentration Units (ug/L or mg/kg dry weight): mg/Kg

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
7439-97-6	Mercury	0.015	0.036		U		AV

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

USEPA - 9012A
- 1 -
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-SB6-S-16

Lab Name: Empirical Labs Contract: TetraTech NUS, Inc.

Lab Code: ELABN Case No.: SAS No.: SDG: SAUFLEYS001

Matrix: SOIL Lab Sample ID: 0612161-09

Level (low/med): LOW Date Sampled: 12/15/06

% Solids: 92.0 Date Received: 12/16/06

Concentration Units (ug/L or mg/kg dry weight): mg/Kg

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
57-12-5	Cyanide	0.14	0.27		U		AS

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

USEPA - 6010B
- 1 -
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-SB7-S-12

Lab Name: Empirical Labs Contract: TetraTech NUS, Inc.

Lab Code: ELABN Case No.: SAS No.: SDG: SAUFLEYS001

Matrix: SOIL Lab Sample ID: 0612161-10

Level (low/med): LOW Date Sampled: 12/15/06

% Solids: 95.0 Date Received: 12/16/06

Concentration Units (ug/L or mg/kg dry weight): mg/Kg

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
7440-22-4	Silver	0.051	0.51		U		P
7429-90-5	Aluminum	3.8	10.1	4630			P
7440-38-2	Arsenic	0.15	0.51	0.84			P
7440-39-3	Barium	0.25	10.1	4.6	I		P
7440-41-7	Beryllium	0.20	0.51		U		P
7440-70-2	Calcium	50.6	253		U		P
7440-43-9	Cadmium	0.051	0.25		U		P
7440-48-4	Cobalt	0.25	2.5		U		P
7440-47-3	Chromium	0.10	0.51	3.2		J3	P
7440-50-8	Copper	0.25	1.3	1.2	I	J3	P
7439-89-6	Iron	1.5	5.1	3120			P
7440-09-7	Potassium	50.6	253		U		P
7439-95-4	Magnesium	50.6	253	51.8	I	J3	P
7439-96-5	Manganese	0.15	0.76	6.7			P

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

USEPA - 6010B
- 1 -
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-SB7-S-12

Lab Name: Empirical Labs Contract: TetraTech NUS, Inc.

Lab Code: ELABN Case No.: SAS No.: SDG: SAUFLEYS001

Matrix: SOIL Lab Sample ID: 0612161-10

Level (low/med): LOW Date Sampled: 12/15/06

% Solids: 95.0 Date Received: 12/16/06

Concentration Units (ug/L or mg/kg dry weight): mg/Kg

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
7440-23-5	Sodium	50.6	253		U		P
7440-02-0	Nickel	0.25	2.0	0.88	I		P
7439-92-1	Lead	0.076	0.15	1.4			P
7440-36-0	Antimony	0.25	3.0		U	J3	P
7782-49-2	Selenium	0.25	0.51		U		P
7440-28-0	Thallium	0.15	0.51		U		P
7440-62-2	Vanadium	0.25	2.5	6.6		J3	P
7440-66-6	Zinc	0.51	1.0	2.0			P

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

USEPA - 7471A
- 1 -
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-SB7-S-12

Lab Name: Empirical Labs Contract: TetraTech NUS, Inc.

Lab Code: ELABN Case No.: SAS No.: SDG: SAUFLEYS001

Matrix: SOIL Lab Sample ID: 0612161-10

Level (low/med): LOW Date Sampled: 12/15/06

% Solids: 95.0 Date Received: 12/16/06

Concentration Units (ug/L or mg/kg dry weight): mg/Kg

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
7439-97-6	Mercury	0.013	0.032		U		AV

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

USEPA - 9012A
- 1 -
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-SB7-S-12

Lab Name: Empirical Labs Contract: TetraTech NUS, Inc.

Lab Code: ELABN Case No.: SAS No.: SDG: SAUFLEYS001

Matrix: SOIL Lab Sample ID: 0612161-10

Level (low/med): LOW Date Sampled: 12/15/06

% Solids: 95.0 Date Received: 12/16/06

Concentration Units (ug/L or mg/kg dry weight): mg/Kg

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
57-12-5	Cyanide	0.13	0.26		U		AS

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

USEPA - 6010B
- 1 -
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-SB8-S-12

Lab Name: Empirical Labs Contract: TetraTech NUS, Inc.

Lab Code: ELABN Case No.: SAS No.: SDG: SAUFLEYS001

Matrix: SOIL Lab Sample ID: 0612161-11

Level (low/med): LOW Date Sampled: 12/15/06

% Solids: 91.0 Date Received: 12/16/06

Concentration Units (ug/L or mg/kg dry weight): mg/Kg

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
7440-22-4	Silver	0.053	0.53		U		P
7429-90-5	Aluminum	4.0	10.6	11800			P
7440-38-2	Arsenic	0.16	0.53	0.97			P
7440-39-3	Barium	0.27	10.6	4.9	I		P
7440-41-7	Beryllium	0.21	0.53		U		P
7440-70-2	Calcium	53.1	265	145	I		P
7440-43-9	Cadmium	0.053	0.27		U		P
7440-48-4	Cobalt	0.27	2.7		U		P
7440-47-3	Chromium	0.11	0.53	7.5		J3	P
7440-50-8	Copper	0.27	1.3	2.3		J3	P
7439-89-6	Iron	1.6	5.3	6120			P
7440-09-7	Potassium	53.1	265	56.4	I		P
7439-95-4	Magnesium	53.1	265		U	J3	P
7439-96-5	Manganese	0.16	0.80	21.8			P

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

USEPA - 6010B
- 1 -
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-SB8-S-12

Lab Name: Empirical Labs Contract: TetraTech NUS, Inc.

Lab Code: ELABN Case No.: SAS No.: SDG: SAUFLEYS001

Matrix: SOIL Lab Sample ID: 0612161-11

Level (low/med): LOW Date Sampled: 12/15/06

% Solids: 91.0 Date Received: 12/16/06

Concentration Units (ug/L or mg/kg dry weight): mg/Kg

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
7440-23-5	Sodium	53.1	265		U		P
7440-02-0	Nickel	0.27	2.1	1.1	I		P
7439-92-1	Lead	0.080	0.16	2.2			P
7440-36-0	Antimony	0.27	3.2		U	J3	P
7782-49-2	Selenium	0.27	0.53		U		P
7440-28-0	Thallium	0.16	0.53		U		P
7440-62-2	Vanadium	0.27	2.7	14.2		J3	P
7440-66-6	Zinc	0.53	1.1	2.5			P

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

USEPA - 7471A
- 1 -
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-SB8-S-12

Lab Name: Empirical Labs Contract: TetraTech NUS, Inc.

Lab Code: ELABN Case No.: SAS No.: SDG: SAUFLEYS001

Matrix: SOIL Lab Sample ID: 0612161-11

Level (low/med): LOW Date Sampled: 12/15/06

% Solids: 91.0 Date Received: 12/16/06

Concentration Units (ug/L or mg/kg dry weight): mg/Kg

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
7439-97-6	Mercury	0.014	0.034		U		AV

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

USEPA - 9012A
- 1 -
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-SB8-S-12

Lab Name: Empirical Labs Contract: TetraTech NUS, Inc.

Lab Code: ELABN Case No.: SAS No.: SDG: SAUFLEYS001

Matrix: SOIL Lab Sample ID: 0612161-11

Level (low/med): LOW Date Sampled: 12/15/06

% Solids: 91.0 Date Received: 12/16/06

Concentration Units (ug/L or mg/kg dry weight): mg/Kg

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
57-12-5	Cyanide	0.14	0.28		U		AS

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

FORM 1
PCB ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW25-S-40

Lab Name: EMPIRICAL LABS Contract: TETRA TECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYS001

Matrix: (soil/water) SOIL Lab Sample ID: 0612084-02

Sample wt/vol: 15.3 (g/mL) G Lab File ID: 007F0701

% Moisture: 12 decanted: (Y/N) N Date Sampled: 12/07/06 10:55

Extraction: (SepF/Cont/Sonc/Soxh) SOXH Date Extracted:12/21/06

Concentrated Extract Volume: 5.0(mL) Date Analyzed: 12/28/06 12:38

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	MDL	RL	CONC	Q
12674-11-2	PCB-1016	4.6	18		U
11104-28-2	PCB-1221	4.6	18		U
11141-16-5	PCB-1232	4.6	18		U
53469-21-9	PCB-1242	4.6	18		U
12672-29-6	PCB-1248	4.6	18		U
11097-69-1	PCB-1254	4.6	18		U
11096-82-5	PCB-1260	4.6	18		U

FORM 1
PCB ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW26-S-25

Lab Name: EMPIRICAL LABS Contract: TETRA TECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYS001

Matrix: (soil/water) SOIL Lab Sample ID: 0612084-03

Sample wt/vol: 15.3 (g/mL) G Lab File ID: 008F0801

% Moisture: 5 decanted: (Y/N) N Date Sampled: 12/07/06 13:45

Extraction: (SepF/Cont/Sonc/Scxh) SOXH Date Extracted:12/21/06

Concentrated Extract Volume: 5.0(mL) Date Analyzed: 12/28/06 13:07

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	MDL	RL	CONC	Q
12674-11-2	PCB-1016	4.3	17		U
11104-28-2	PCB-1221	4.3	17		U
11141-16-5	PCB-1232	4.3	17		U
53469-21-9	PCB-1242	4.3	17		U
12672-29-6	PCB-1248	4.3	17		U
11097-69-1	PCB-1254	4.3	17		U
11096-82-5	PCB-1260	4.3	17		U

FORM 2
SOIL PCB SURROGATE RECOVERY

Lab Name: EMPIRICAL LABS Contract: TETRA TECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYS001

Column(1): RTX-CLP ID: 0.32 (mm) Column(2): RTX-CLPII ID: 0.32 (mm)

	CLIENT SAMPLE NO.	S1 1 %REC #	S1 2 %REC #	S2 1 %REC #	S2 2 %REC #	OTHER (1)	OTHER (2)	TOT OUT
01	PS1BLK1221	88	97	99	116			0
02	PS1BLK1221LC	83	94	96	113			0
03	PS1BLK1221LC	90	99	86	105			0
04	OLFS4-MW25-S	85	96	98	116			0
05	OLFS4-MW26-S	89	99	113	116			0
06								
07								
08								
09								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
21								
22								
23								
24								
25								
26								
27								
28								
29								
30								

		EL QC LIMITS	SPIKE CONC (ug/Kg)
S1	= TCMX	(25-120)	17
S2	= DCB	(25-145)	17

Column to be used to flag recovery values
* Values outside of QC limits
D Surrogate results reported from a diluted analysis

FORM 3
SOIL PCB LAB CONTROL SAMPLE

Lab Name: EMPIRICAL LABS Contract: TETRA TECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYS001

Matrix Spike - Client Sample No.: PS1BLK1221

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC #	QC. LIMITS REC.
PCB-1016	166.7	0.0000	197.0	118	45-120
PCB-1260	166.7	0.0000	161.2	97	40-125

COMPOUND	SPIKE ADDED (ug/Kg)	LCSD CONCENTRATION (ug/Kg)	LCSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
PCB-1016	166.7	187.8	113	5	50	45-120
PCB-1260	166.7	145.8	87	10	50	40-125

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 2 outside limits
Spike Recovery: 0 out of 4 outside limits

COMMENTS: _____

_____

FORM 4
PCB METHOD BLANK SUMMARY

CLIENT SAMPLE NO.

PS1BLK1221

Lab Name: EMPIRICAL LABS Contract: TETRA TECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYS001

Lab Sample ID: PS1BLK1221 Lab File ID: 004F0401

Matrix (soil/water) SOIL Extraction: (SepF/Cont/Sonc/Soxh) SOXH

Sulfur Cleanup (Y/N) N Date Extracted: 12/21/06

Date Analyzed (1): 12/28/06 Date Analyzed (2): 12/28/06

Time Analyzed (1): 1113 Time Analyzed (2): 1113

Instrument ID (1): ECD4 Instrument ID (2): ECD4

Column (1): RTX-CLP ID: 0.32(mm) Column (2): RTX-CLPII ID: 0.32(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
01	PS1BLK1221LC	PS1BLK1221LCS	12/28/06	12/28/06
02	PS1BLK1221LC	PS1BLK1221LCSD	12/28/06	12/28/06
03	OLFS4-MW25-S	0612084-02	12/28/06	12/28/06
04	OLFS4-MW26-S	0612084-03	12/28/06	12/28/06
05				
06				
07				
08				
09				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				
26				

COMMENTS: _____

FORM 1
PCB ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

PS1BLK1221

Lab Name: EMPIRICAL LABS Contract: TETRA TECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYS001

Matrix: (soil/water) SOIL Lab Sample ID: PS1BLK1221

Sample wt/vol: 15.0 (g/mL) G Lab File ID: 004F0401

% Moisture: 0 decanted: (Y/N) N Date Sampled: _____

Extraction: (SepF/Cont/Sonc/Soxh) SOXH Date Extracted:12/21/06

Concentrated Extract Volume: 5.0(mL) Date Analyzed: 12/28/06 11:13

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	MDL	RL	CONC	Q
12674-11-2	PCB-1016	4.2	17		U
11104-28-2	PCB-1221	4.2	17		U
11141-16-5	PCB-1232	4.2	17		U
53469-21-9	PCB-1242	4.2	17		U
12672-29-6	PCB-1248	4.2	17		U
11097-69-1	PCB-1254	4.2	17		U
11096-82-5	PCB-1260	4.2	17		U

FORM 1
PRO ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW25-S-40

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: Case No.: SAUFLEYS001 SAS No.: NA SDG No.: SAUFLEYS001

Matrix: (soil/water) SOIL Lab Sample ID: 0612084-02

Sample wt/vol: 25.3 (g/mL) G Lab File ID: 006R0101

% Moisture: 12 decanted: (Y/N) N Date Sampled: 12/07/06 10:55

Extraction: (SepF/Cont/Sonc/Soxh) SONC Date Extracted:12/21/06

Concentrated Extract Volume: 2.0(mL) Date Analyzed: 12/28/06 17:03

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) MG/KG MDL	RL	CONC	Q
	PRO-8-40------Petroleum Range	7.6	22		U

FORM 1
PRO ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW26-S-25

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: Case No.: SAUFLEYS001 SAS No.: NA SDG No.: SAUFLEYS001

Matrix: (soil/water) SOIL Lab Sample ID: 0612084-03

Sample wt/vol: 25.2 (g/mL) G Lab File ID: 007R0101

% Moisture: 5 decanted: (Y/N) N Date Sampled: 12/07/06 13:45

Extraction: (SepF/Cont/Sonc/Soxh) SONC Date Extracted:12/21/06

Concentrated Extract Volume: 2.0(mL) Date Analyzed: 12/28/06 17:46

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) MG/KG MDL	RL	CONC	Q
	PRO-8-40------Petroleum Range	7.1	21		U

FORM 1
PRO ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW33S-5

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: Case No.: SAUFLEYS001 SAS No.: NA SDG No.: SAUFLEYS001

Matrix: (soil/water) SOIL Lab Sample ID: 0612148-01

Sample wt/vol: 25.2 (g/mL) G Lab File ID: 008R0101

% Moisture: 11 decanted: (Y/N) N Date Sampled: 12/14/06 11:20

Extraction: (SepF/Cont/Sonc/Soxh) SONC Date Extracted:12/21/06

Concentrated Extract Volume: 2.0(mL) Date Analyzed: 12/28/06 18:28

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS: (ug/L or ug/Kg) MG/KG

CAS NO.	COMPOUND	MDL	RL	CONC	Q
	PRO-8-40------Petroleum Range	7.5	22	730	

FORM 1
PRO ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW33S-26

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: Case No.: SAUFLEYS001 SAS No.: NA SDG No.: SAUFLEYS001

Matrix: (soil/water) SOIL Lab Sample ID: 0612148-02

Sample wt/vol: 25.4 (g/mL) G Lab File ID: 009R0101

% Moisture: 4 decanted: (Y/N) N Date Sampled: 12/14/06 11:35

Extraction: (SepF/Cont/Sonc/Soxh) SONC Date Extracted:12/21/06

Concentrated Extract Volume: 2.0(mL) Date Analyzed: 12/28/06 19:11

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) MG/KG MDL	RL	CONC	Q
	PRO-8-40------Petroleum Range	7.0	20		U

FORM 1
PRO ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW35S-29

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: Case No.: SAUFLEYS001 SAS No.: NA SDG No.: SAUFLEYS001

Matrix: (soil/water) SOIL Lab Sample ID: 0612148-03

Sample wt/vol: 25.2 (g/mL) G Lab File ID: 010R0101

% Moisture: 6 decanted: (Y/N) N Date Sampled: 12/14/06 13:40

Extraction: (SepF/Cont/Sonc/Soxh) SONC Date Extracted:12/21/06

Concentrated Extract Volume: 2.0(mL) Date Analyzed: 12/28/06 19:54

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS: (ug/L or ug/Kg) MG/KG

CAS NO.	COMPOUND	MDL	RL	CONC	Q
	PRO-8-40------Petroleum Range	7.2	21		U

FORM 1
PRO ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW36S-25

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: Case No.: SAUFLEYS001 SAS No.: NA SDG No.: SAUFLEYS001

Matrix: (soil/water) SOIL Lab Sample ID: 0612148-04

Sample wt/vol: 25.4 (g/mL) G Lab File ID: 011R0101

% Moisture: 5 decanted: (Y/N) N Date Sampled: 12/14/06 15:10

Extraction: (SepF/Cont/Sonc/Soxh) SONC Date Extracted:12/21/06

Concentrated Extract Volume: 2.0(mL) Date Analyzed: 12/28/06 20:36

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS: (ug/L or ug/Kg) MG/KG

CAS NO.	COMPOUND	MDL	RL	CONC	Q
	PRO-8-40------Petroleum Range	7.0	21		U

FORM 1
PRO ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-SB2-S-26

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: Case No.: SAUFLEYS001 SAS No.: NA SDG No.: SAUFLEYS001

Matrix: (soil/water) SOIL Lab Sample ID: 0612161-02

Sample wt/vol: 25.4 (g/mL) G Lab File ID: 013R0101

% Moisture: 12 decanted: (Y/N) N Date Sampled: 12/15/06 08:55

Extraction: (SepF/Cont/Sonc/Soxh) SONC Date Extracted:12/21/06

Concentrated Extract Volume: 2.0(mL) Date Analyzed: 12/28/06 22:02

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS: (ug/L or ug/Kg) MG/KG

CAS NO.	COMPOUND	MDL	RL	CONC	Q
	PRO-8-40------Petroleum Range	7.6	22		U

FORM 1
PRO ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-SB3-S-26

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: Case No.: SAUFLEYS001 SAS No.: NA SDG No.: SAUFLEYS001

Matrix: (soil/water) SOIL Lab Sample ID: 0612161-04

Sample wt/vol: 25.4 (g/mL) G Lab File ID: 014R0101

% Moisture: 9 decanted: (Y/N) N Date Sampled: 12/15/06 09:30

Extraction: (SepF/Cont/Sonc/Soxh) SONC Date Extracted:12/21/06

Concentrated Extract Volume: 2.0(mL) Date Analyzed: 12/28/06 22:45

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS: (ug/L or ug/Kg) MG/KG

CAS NO.	COMPOUND	MDL	RL	CONC	Q
	PRO-8-40------Petroleum Range	7.3	22		U

FORM 1
PRO ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-SB6-S-16

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: Case No.: SAUFLEYS001 SAS No.: NA SDG No.: SAUFLEYS001

Matrix: (soil/water) SOIL Lab Sample ID: 0612161-09

Sample wt/vol: 25.4 (g/mL) G Lab File ID: 015R0101

% Moisture: 8 decanted: (Y/N) N Date Sampled: 12/15/06 13:20

Extraction: (SepF/Cont/Sonc/Soxh) SONC Date Extracted:12/21/06

Concentrated Extract Volume: 2.0(mL) Date Analyzed: 12/28/06 23:28

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) MG/KG MDL	RL	CONC	Q
	PRO-8-40------Petroleum Range	7.3	21		U

FORM 2
SOIL PRO SURROGATE RECOVERY

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: Case No.: SAUFLEYS001 SAS No.: NA SDG No.: SAUFLEYS001

Column(1): ZB-5 ID: 0.32 (mm)

	CLIENT SAMPLE NO.	S1 %REC #	S2 %REC #	S3 %REC #	S4 %REC #	S5 %REC #	S6 %REC #	TOT OUT
01	FS1BLK1221	96	72					0
02	FS1BLK1221LC	87	68					0
03	FS1BLK1221LC	107	82					0
04	OLFS4-MW25-S	88	61					0
05	OLFS4-MW26-S	102	79					0
06	OLFS4-MW33S-	79	62					0
07	OLFS4-MW33S-	88	89					0
08	OLFS4-MW35S-	89	75					0
09	OLFS4-MW36S-	87	64					0
10	OLFS4-SB2-S-	86	67					0
11	OLFS4-SB3-S-	78	54					0
12	OLFS4-SB6-S-	82	54					0
13								
14								
15								
16								
17								
18								
19								
20								
21								
22								
23								
24								
25								
26								
27								
28								
29								
30								

		EL QC LIMITS	SPIKE CONC (mg/Kg)
S1	= Ortho-Terphenyl	(45-135)	2.0
S2	= Nonatriacontane	(40-150)	12

Column to be used to flag recovery values
* Values outside of QC limits
D Surrogate results reported from a diluted analysis

FORM 3
SOIL PRO LAB CONTROL SAMPLE

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: Case No.: SAUFLEYS001 SAS No.: NA SDG No.: SAUFLEYS001

Matrix Spike - Client Sample No.: FS1BLK1221

COMPOUND	SPIKE ADDED (mg/Kg)	SAMPLE CONCENTRATION (mg/Kg)	LCS CONCENTRATION (mg/Kg)	LCS % REC #	QC. LIMITS REC.
Petroleum Range	128.0	0.0000	119.3	93	50-140

COMPOUND	SPIKE ADDED (mg/Kg)	LCSD CONCENTRATION (mg/Kg)	LCSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Petroleum Range	128.0	134.2	105	12	50	50-140

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 1 outside limits
Spike Recovery: 0 out of 2 outside limits

COMMENTS: _____

FORM 4
PRO METHOD BLANK SUMMARY

CLIENT SAMPLE NO.

FS1BLK1221

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: Case No.: SAUFLEYS001 SAS No.: NA SDG No.: SAUFLEYS001

Lab Sample ID: FS1BLK1221 Lab File ID: 003R0101

Matrix (soil/water) SOIL Extraction: (SepF/Cont/Sonc/Soxh) SONC

Sulfur Cleanup (Y/N) N Date Extracted: 12/21/06

Date Analyzed (1): 12/28/06 Date Analyzed (2):

Time Analyzed (1): 1501 Time Analyzed (2):

Instrument ID (1): GCTCDFID Instrument ID (2):

Column (1): ZB-5 ID: 0.32(mm) Column (2): ID:

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
01	FS1BLK1221LC	FS1BLK1221LCS	12/28/06	
02	FS1BLK1221LC	FS1BLK1221LCSD	12/28/06	
03	OLFS4-MW25-S	0612084-02	12/28/06	
04	OLFS4-MW26-S	0612084-03	12/28/06	
05	OLFS4-MW33S-	0612148-01	12/28/06	
06	OLFS4-MW33S-	0612148-02	12/28/06	
07	OLFS4-MW35S-	0612148-03	12/28/06	
08	OLFS4-MW36S-	0612148-04	12/28/06	
09	OLFS4-SB2-S-	0612161-02	12/28/06	
10	OLFS4-SB3-S-	0612161-04	12/28/06	
11	OLFS4-SB6-S-	0612161-09	12/28/06	
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				
26				

COMMENTS: _____

FORM 1
PRO ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

FS1BLK1221

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: Case No.: SAUFLEYS001 SAS No.: NA SDG No.: SAUFLEYS001

Matrix: (soil/water) SOIL Lab Sample ID: FS1BLK1221

Sample wt/vol: 25.0 (g/mL) G Lab File ID: 003R0101

% Moisture: 0 decanted: (Y/N) N Date Sampled: _____

Extraction: (SepF/Cont/Sonc/Soxh) SONC Date Extracted:12/21/06

Concentrated Extract Volume: 2.0(mL) Date Analyzed: 12/28/06 15:01

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: NA Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS: (ug/L or ug/Kg) MG/KG

CAS NO.	COMPOUND	MDL	RL	CONC	Q
	PRO-8-40------Petroleum Range _____	6.8	20		U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW25-S-40

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYS001

Matrix: (soil/water) SOIL Lab Sample ID: 0612084-02

Sample wt/vol: 4.3 (g/mL) G Lab File ID: 1208402A

Level: (low/med) LOW Date Sampled: 12/07/06 10:55

% Moisture: not dec. 12 Date Analyzed: 12/16/06 14:19

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	MDL	RL	CONC	Q
67-64-1	Acetone	2.6	66	15	IV
75-05-8	Acetonitrile	0.66	33		U
107-02-8	Acrolein	6.9	33		U
107-13-1	Acrylonitrile	1.8	33		U
107-05-1	Allyl chloride	0.66	6.6		U
71-43-2	Benzene	0.62	6.6		U
75-27-4	Bromodichloromethane	0.40	6.6		U
75-25-2	Bromoform	1.3	6.6		U
74-83-9	Bromomethane	0.95	13		U
78-93-3	2-Butanone	1.8	66		U
75-15-0	Carbon disulfide	1.7	6.6		U
56-23-5	Carbon tetrachloride	1.2	6.6		U
108-90-7	Chlorobenzene	3.3	6.6		U
75-00-3	Chloroethane	1.4	13		U
67-66-3	Chloroform	0.73	6.6		U
74-87-3	Chloromethane	0.69	13		U
126-99-8	Chloroprene	0.66	6.6		U
110-82-7	Cyclohexane	0.72	13		U
124-48-1	Dibromochloromethane	0.45	6.6		U
96-12-8	1,2-Dibromo-3-chloropropane	1.6	13		U
106-93-4	1,2-Dibromoethane	0.57	6.6		U
74-95-3	Dibromomethane	0.54	6.6		U
95-50-1	1,2-Dichlorobenzene	0.49	6.6		U
541-73-1	1,3-Dichlorobenzene	1.1	6.6		U
106-46-7	1,4-Dichlorobenzene	0.73	6.6		U
110-57-6	trans-1,4-Dichloro-2-butene	11	33		U
75-71-8	Dichlorodifluoromethane	1.4	13		U
75-34-3	1,1-Dichloroethane	0.72	6.6		U
107-06-2	1,2-Dichloroethane	0.61	6.6		U
75-35-4	1,1-Dichloroethene	1.6	6.6		U
156-59-2	cis-1,2-Dichloroethene	1.6	6.6		U
156-60-5	trans-1,2-Dichloroethene	1.4	6.6		U
78-87-5	1,2-Dichloropropane	0.61	6.6		U
10061-01-5	cis-1,3-Dichloropropene	0.66	6.6		U
10061-02-6	trans-1,3-Dichloropropene	0.42	6.6		U
123-91-1	1,4-Dioxane	0.66	66		U
100-41-4	Ethylbenzene	0.99	6.6		U
97-63-2	Ethyl methacrylate	0.34	6.6		U
591-78-6	2-Hexanone	3.0	33		U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW25-S-40

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYS001

Matrix: (soil/water) SOIL Lab Sample ID: 0612084-02

Sample wt/vol: 4.3 (g/mL) G Lab File ID: 1208402A

Level: (low/med) LOW Date Sampled: 12/07/06 10:55

% Moisture: not dec. 12 Date Analyzed: 12/16/06 14:19

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	MDL	RL	CONC	Q
74-88-4	Iodomethane	1.1	33		U
78-83-1	Isobutyl alcohol	0.66	66		U
98-82-8	Isopropylbenzene	1.2	6.6		U
79-20-9	Methyl acetate	2.1	6.6		U
126-98-7	Methacrylonitrile	0.66	33		U
108-87-2	Methyl cyclohexane	0.40	6.6		U
75-09-2	Methylene chloride	0.82	13		U
80-62-6	Methyl methacrylate	0.60	6.6		U
1634-04-4	MTBE	0.42	6.6		U
108-10-1	4-Methyl-2-pentanone	0.77	33		U
107-12-0	Propionitrile	0.66	33		U
100-42-5	Styrene	0.46	6.6		U
630-20-6	1,1,1,2-Tetrachloroethane	0.42	6.6		U
79-34-5	1,1,2,2-Tetrachloroethane	0.57	6.6		U
127-18-4	Tetrachloroethene	1.3	6.6		U
108-88-3	Toluene	1.1	6.6		U
87-61-6	1,2,3-Trichlorobenzene	0.56	6.6		U
120-82-1	1,2,4-Trichlorobenzene	0.24	6.6		U
71-55-6	1,1,1-Trichloroethane	1.2	6.6		U
79-00-5	1,1,2-Trichloroethane	0.46	6.6		U
79-01-6	Trichloroethene	1.1	6.6		U
76-13-1	Trichlorotrifluoroethane	0.73	6.6		U
75-69-4	Trichlorofluoromethane	1.2	13		U
96-18-4	1,2,3-Trichloropropane	0.93	6.6		U
108-05-4	Vinyl acetate	0.73	33		U
75-01-4	Vinyl chloride	1.4	9.3		U
108-38-3	m,p-Xylene	2.0	6.6	2.5	I
95-47-6	o-Xylene	0.93	6.6		U
1330-20-7	Xylene(total)	0.93	6.6	2.4	I

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW26-S-25

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYS001

Matrix: (soil/water) SOIL Lab Sample ID: 0612084-03

Sample wt/vol: 4.5 (g/mL) G Lab File ID: 1208403B

Level: (low/med) LOW Date Sampled: 12/07/06 13:45

% Moisture: not dec. 5 Date Analyzed: 12/16/06 14:56

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	MDL	RL	CONC	Q
67-64-1	Acetone	2.3	59	10	IV
75-05-8	Acetonitrile	0.59	29		U
107-02-8	Acrolein	6.1	29		U
107-13-1	Acrylonitrile	1.6	29		U
107-05-1	Allyl chloride	0.59	5.9		U
71-43-2	Benzene	0.55	5.9		U
75-27-4	Bromodichloromethane	0.35	5.9		U
75-25-2	Bromoform	1.2	5.9		U
74-83-9	Bromomethane	0.84	12		U
78-93-3	2-Butanone	1.6	59		U
75-15-0	Carbon disulfide	1.5	5.9		U
56-23-5	Carbon tetrachloride	1.0	5.9		U
108-90-7	Chlorobenzene	2.9	5.9		U
75-00-3	Chloroethane	1.3	12		U
67-66-3	Chloroform	0.64	5.9		U
74-87-3	Chloromethane	0.61	12		U
126-99-8	Chloroprene	0.59	5.9		U
110-82-7	Cyclohexane	0.63	12		U
124-48-1	Dibromochloromethane	0.40	5.9		U
96-12-8	1,2-Dibromo-3-chloropropane	1.4	12		U
106-93-4	1,2-Dibromoethane	0.50	5.9		U
74-95-3	Dibromomethane	0.48	5.9		U
95-50-1	1,2-Dichlorobenzene	0.43	5.9		U
541-73-1	1,3-Dichlorobenzene	0.98	5.9		U
106-46-7	1,4-Dichlorobenzene	0.64	5.9		U
110-57-6	trans-1,4-Dichloro-2-butene	9.4	29		U
75-71-8	Dichlorodifluoromethane	1.3	12		U
75-34-3	1,1-Dichloroethane	0.63	5.9		U
107-06-2	1,2-Dichloroethane	0.54	5.9		U
75-35-4	1,1-Dichloroethene	1.4	5.9		U
156-59-2	cis-1,2-Dichloroethene	1.4	5.9		U
156-60-5	trans-1,2-Dichloroethene	1.3	5.9		U
78-87-5	1,2-Dichloropropane	0.54	5.9		U
10061-01-5	cis-1,3-Dichloropropene	0.59	5.9		U
10061-02-6	trans-1,3-Dichloropropene	0.38	5.9		U
123-91-1	1,4-Dioxane	0.59	59		U
100-41-4	Ethylbenzene	0.88	5.9		U
97-63-2	Ethyl methacrylate	0.30	5.9		U
591-78-6	2-Hexanone	2.7	29		U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW26-S-25

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYS001

Matrix: (soil/water) SOIL Lab Sample ID: 0612084-03

Sample wt/vol: 4.5 (g/mL) G Lab File ID: 1208403B

Level: (low/med) LOW Date Sampled: 12/07/06 13:45

% Moisture: not dec. 5 Date Analyzed: 12/16/06 14:56

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	MDL	RL	CONC	Q
74-88-4	Iodomethane	0.97	29		U
78-83-1	Isobutyl alcohol	0.59	59		U
98-82-8	Isopropylbenzene	1.0	5.9		U
79-20-9	Methyl acetate	1.9	5.9		U
126-98-7	Methacrylonitrile	0.59	29		U
108-87-2	Methyl cyclohexane	0.35	5.9		U
75-09-2	Methylene chloride	0.73	12		U
80-62-6	Methyl methacrylate	0.53	5.9		U
1634-04-4	MTBE	0.38	5.9		U
108-10-1	4-Methyl-2-pentanone	0.68	29		U
107-12-0	Propionitrile	0.59	29		U
100-42-5	Styrene	0.41	5.9		U
630-20-6	1,1,1,2-Tetrachloroethane	0.38	5.9		U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	5.9		U
127-18-4	Tetrachloroethene	1.1	5.9		U
108-88-3	Toluene	1.0	5.9		U
87-61-6	1,2,3-Trichlorobenzene	0.49	5.9		U
120-82-1	1,2,4-Trichlorobenzene	0.21	5.9		U
71-55-6	1,1,1-Trichloroethane	1.0	5.9		U
79-00-5	1,1,2-Trichloroethane	0.41	5.9		U
79-01-6	Trichloroethene	1.00	5.9		U
76-13-1	Trichlorotrifluoroethane	0.64	5.9		U
75-69-4	Trichlorofluoromethane	1.1	12		U
96-18-4	1,2,3-Trichloropropane	0.82	5.9		U
108-05-4	Vinyl acetate	0.64	29		U
75-01-4	Vinyl chloride	1.3	8.2		U
108-38-3	m,p-Xylene	1.8	5.9		U
95-47-6	o-Xylene	0.82	5.9		U
1330-20-7	Xylene(total)	0.82	5.9		U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW33S-5

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYS001

Matrix: (soil/water) SOIL Lab Sample ID: 0612148-01

Sample wt/vol: 5.6 (g/mL) G Lab File ID: 1214801B

Level: (low/med) LOW Date Sampled: 12/14/06 11:20

% Moisture: not dec. 11 Date Analyzed: 12/28/06 14:01

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	MDL	RL	CONC	Q
67-64-1	Acetone	2.0	50	10	IV
75-05-8	Acetonitrile	0.50	25		U
107-02-8	Acrolein	5.2	25		U
107-13-1	Acrylonitrile	1.4	25		U
107-05-1	Allyl chloride	0.50	5.0		U
71-43-2	Benzene	0.47	5.0		U
75-27-4	Bromodichloromethane	0.30	5.0		U
75-25-2	Bromoform	1.00	5.0		U
74-83-9	Bromomethane	0.72	10		U
78-93-3	2-Butanone	1.4	50	1.5	I
75-15-0	Carbon disulfide	1.3	5.0		U
56-23-5	Carbon tetrachloride	0.88	5.0		U
108-90-7	Chlorobenzene	2.5	5.0		U
75-00-3	Chloroethane	1.1	10		U
67-66-3	Chloroform	0.55	5.0		U
74-87-3	Chloromethane	0.52	10		U
126-99-8	Chloroprene	0.50	5.0		U
110-82-7	Cyclohexane	0.54	10		U
124-48-1	Dibromochloromethane	0.34	5.0		U
96-12-8	1,2-Dibromo-3-chloropropane	1.2	10		U
106-93-4	1,2-Dibromoethane	0.43	5.0		U
74-95-3	Dibromomethane	0.41	5.0		U
95-50-1	1,2-Dichlorobenzene	0.37	5.0		U
541-73-1	1,3-Dichlorobenzene	0.84	5.0		U
106-46-7	1,4-Dichlorobenzene	0.55	5.0		U
110-57-6	trans-1,4-Dichloro-2-butene	8.0	25		U
75-71-8	Dichlorodifluoromethane	1.1	10		U
75-34-3	1,1-Dichloroethane	0.54	5.0		U
107-06-2	1,2-Dichloroethane	0.46	5.0		U
75-35-4	1,1-Dichloroethene	1.2	5.0		U
156-59-2	cis-1,2-Dichloroethene	1.2	5.0		U
156-60-5	trans-1,2-Dichloroethene	1.1	5.0		U
78-87-5	1,2-Dichloropropane	0.46	5.0		U
10061-01-5	cis-1,3-Dichloropropene	0.50	5.0		U
10061-02-6	trans-1,3-Dichloropropene	0.32	5.0		U
123-91-1	1,4-Dioxane	0.50	50		U
100-41-4	Ethylbenzene	0.75	5.0		U
97-63-2	Ethyl methacrylate	0.26	5.0		U
591-78-6	2-Hexanone	2.3	25		U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW33S-5

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYS001

Matrix: (soil/water) SOIL Lab Sample ID: 0612148-01

Sample wt/vol: 5.6 (g/mL) G Lab File ID: 1214801B

Level: (low/med) LOW Date Sampled: 12/14/06 11:20

% Moisture: not dec. 11 Date Analyzed: 12/28/06 14:01

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	MDL	RL	CONC	Q
74-88-4	Iodomethane	0.83	25		U
78-83-1	Isobutyl alcohol	0.50	50		U
98-82-8	Isopropylbenzene	0.88	5.0		U
79-20-9	Methyl acetate	1.6	5.0		U
126-98-7	Methacrylonitrile	0.50	25		U
108-87-2	Methyl cyclohexane	0.30	5.0		U
75-09-2	Methylene chloride	0.62	10		U
80-62-6	Methyl methacrylate	0.45	5.0		U
1634-04-4	MTBE	0.32	5.0		U
108-10-1	4-Methyl-2-pentanone	0.58	25		U
107-12-0	Propionitrile	0.50	25		U
100-42-5	Styrene	0.35	5.0		U
630-20-6	1,1,1,2-Tetrachloroethane	0.32	5.0		U
79-34-5	1,1,2,2-Tetrachloroethane	0.43	5.0		U
127-18-4	Tetrachloroethene	0.97	5.0		U
108-88-3	Toluene	0.86	5.0		U
87-61-6	1,2,3-Trichlorobenzene	0.42	5.0		U
120-82-1	1,2,4-Trichlorobenzene	0.18	5.0		U
71-55-6	1,1,1-Trichloroethane	0.90	5.0		U
79-00-5	1,1,2-Trichloroethane	0.35	5.0		U
79-01-6	Trichloroethene	0.85	5.0		U
76-13-1	Trichlorotrifluoroethane	0.55	5.0		U
75-69-4	Trichlorofluoromethane	0.95	10		U
96-18-4	1,2,3-Trichloropropane	0.70	5.0		U
108-05-4	Vinyl acetate	0.55	25		U
75-01-4	Vinyl chloride	1.1	7.0		U
108-38-3	m,p-Xylene	1.5	5.0		U
95-47-6	o-Xylene	0.70	5.0		U
1330-20-7	Xylene(total)	0.70	5.0		U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW33S-26

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYS001

Matrix: (soil/water) SOIL Lab Sample ID: 0612148-02

Sample wt/vol: 4.9 (g/mL) G Lab File ID: 1214802A

Level: (low/med) LOW Date Sampled: 12/14/06 11:35

% Moisture: not dec. 4 Date Analyzed: 12/27/06 16:58

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	MDL	RL	CONC	Q
67-64-1	Acetone	2.1	54	7.6	IV
75-05-8	Acetonitrile	0.54	27		U
107-02-8	Acrolein	5.6	27		U
107-13-1	Acrylonitrile	1.5	27		U
107-05-1	Allyl chloride	0.54	5.4		U
71-43-2	Benzene	0.50	5.4		U
75-27-4	Bromodichloromethane	0.32	5.4		U
75-25-2	Bromoform	1.1	5.4		U
74-83-9	Bromomethane	0.77	11		U
78-93-3	2-Butanone	1.5	54	1.8	I
75-15-0	Carbon disulfide	1.4	5.4		U
56-23-5	Carbon tetrachloride	0.94	5.4		U
108-90-7	Chlorobenzene	2.7	5.4		U
75-00-3	Chloroethane	1.2	11		U
67-66-3	Chloroform	0.59	5.4		U
74-87-3	Chloromethane	0.56	11		U
126-99-8	Chloroprene	0.54	5.4		U
110-82-7	Cyclohexane	0.58	11		U
124-48-1	Dibromochloromethane	0.36	5.4		U
96-12-8	1,2-Dibromo-3-chloropropane	1.3	11		U
106-93-4	1,2-Dibromoethane	0.46	5.4		U
74-95-3	Dibromomethane	0.44	5.4		U
95-50-1	1,2-Dichlorobenzene	0.40	5.4		U
541-73-1	1,3-Dichlorobenzene	0.90	5.4		U
106-46-7	1,4-Dichlorobenzene	0.59	5.4		U
110-57-6	trans-1,4-Dichloro-2-butene	8.6	27		U
75-71-8	Dichlorodifluoromethane	1.2	11		U
75-34-3	1,1-Dichloroethane	0.58	5.4		U
107-06-2	1,2-Dichloroethane	0.49	5.4		U
75-35-4	1,1-Dichloroethene	1.3	5.4		U
156-59-2	cis-1,2-Dichloroethene	1.3	5.4		U
156-60-5	trans-1,2-Dichloroethene	1.2	5.4		U
78-87-5	1,2-Dichloropropane	0.49	5.4		U
10061-01-5	cis-1,3-Dichloropropene	0.54	5.4		U
10061-02-6	trans-1,3-Dichloropropene	0.34	5.4		U
123-91-1	1,4-Dioxane	0.54	54		U
100-41-4	Ethylbenzene	0.80	5.4		U
97-63-2	Ethyl methacrylate	0.28	5.4		U
591-78-6	2-Hexanone	2.5	27		U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW33S-26

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYS001

Matrix: (soil/water) SOIL Lab Sample ID: 0612148-02

Sample wt/vol: 4.9 (g/mL) G Lab File ID: 1214802A

Level: (low/med) LOW Date Sampled: 12/14/06 11:35

% Moisture: not dec. 4 Date Analyzed: 12/27/06 16:58

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	MDL	RL	CONC	Q
74-88-4	Iodomethane	0.89	27		U
78-83-1	Isobutyl alcohol	0.54	54		U
98-82-8	Isopropylbenzene	0.94	5.4		U
79-20-9	Methyl acetate	1.7	5.4		U
126-98-7	Methacrylonitrile	0.54	27		U
108-87-2	Methyl cyclohexane	0.32	5.4		U
75-09-2	Methylene chloride	0.66	11		U
80-62-6	Methyl methacrylate	0.48	5.4		U
1634-04-4	MTBE	0.34	5.4		U
108-10-1	4-Methyl-2-pentanone	0.62	27		U
107-12-0	Propionitrile	0.54	27		U
100-42-5	Styrene	0.38	5.4		U
630-20-6	1,1,1,2-Tetrachloroethane	0.34	5.4		U
79-34-5	1,1,2,2-Tetrachloroethane	0.46	5.4		U
127-18-4	Tetrachloroethene	1.0	5.4		U
108-88-3	Toluene	0.92	5.4		U
87-61-6	1,2,3-Trichlorobenzene	0.45	5.4		U
120-82-1	1,2,4-Trichlorobenzene	0.19	5.4		U
71-55-6	1,1,1-Trichloroethane	0.97	5.4		U
79-00-5	1,1,2-Trichloroethane	0.38	5.4		U
79-01-6	Trichloroethene	0.91	5.4		U
76-13-1	Trichlorotrifluoroethane	0.59	5.4		U
75-69-4	Trichlorofluoromethane	1.0	11		U
96-18-4	1,2,3-Trichloropropane	0.75	5.4		U
108-05-4	Vinyl acetate	0.59	27		U
75-01-4	Vinyl chloride	1.2	7.5		U
108-38-3	m,p-Xylene	1.6	5.4		U
95-47-6	o-Xylene	0.75	5.4		U
1330-20-7	Xylene(total)	0.75	5.4		U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW35S-29

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYS001

Matrix: (soil/water) SOIL Lab Sample ID: 0612148-03

Sample wt/vol: 5.2 (g/mL) G Lab File ID: 1214803A

Level: (low/med) LOW Date Sampled: 12/14/06 13:40

% Moisture: not dec. 6 Date Analyzed: 12/27/06 17:34

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	MDL	RL	CONC	Q
67-64-1	Acetone	2.0	51	24	IV
75-05-8	Acetonitrile	0.51	25		U
107-02-8	Acrolein	5.3	25		U
107-13-1	Acrylonitrile	1.4	25		U
107-05-1	Allyl chloride	0.51	5.1		U
71-43-2	Benzene	0.48	5.1		U
75-27-4	Bromodichloromethane	0.30	5.1		U
75-25-2	Bromoform	1.0	5.1		U
74-83-9	Bromomethane	0.73	10		U
78-93-3	2-Butanone	1.4	51	6.3	I
75-15-0	Carbon disulfide	1.3	5.1		U
56-23-5	Carbon tetrachloride	0.89	5.1		U
108-90-7	Chlorobenzene	2.5	5.1		U
75-00-3	Chloroethane	1.1	10		U
67-66-3	Chloroform	0.56	5.1		U
74-87-3	Chloromethane	0.53	10		U
126-99-8	Chloroprene	0.51	5.1		U
110-82-7	Cyclohexane	0.55	10		U
124-48-1	Dibromochloromethane	0.34	5.1		U
96-12-8	1,2-Dibromo-3-chloropropane	1.2	10		U
106-93-4	1,2-Dibromoethane	0.44	5.1		U
74-95-3	Dibromomethane	0.42	5.1		U
95-50-1	1,2-Dichlorobenzene	0.38	5.1		U
541-73-1	1,3-Dichlorobenzene	0.85	5.1		U
106-46-7	1,4-Dichlorobenzene	0.56	5.1		U
110-57-6	trans-1,4-Dichloro-2-butene	8.1	25		U
75-71-8	Dichlorodifluoromethane	1.1	10		U
75-34-3	1,1-Dichloroethane	0.55	5.1		U
107-06-2	1,2-Dichloroethane	0.47	5.1		U
75-35-4	1,1-Dichloroethene	1.2	5.1		U
156-59-2	cis-1,2-Dichloroethene	1.2	5.1		U
156-60-5	trans-1,2-Dichloroethene	1.1	5.1		U
78-87-5	1,2-Dichloropropane	0.47	5.1		U
10061-01-5	cis-1,3-Dichloropropene	0.51	5.1		U
10061-02-6	trans-1,3-Dichloropropene	0.32	5.1		U
123-91-1	1,4-Dioxane	0.51	51		U
100-41-4	Ethylbenzene	0.76	5.1		U
97-63-2	Ethyl methacrylate	0.26	5.1		U
591-78-6	2-Hexanone	2.3	25		U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW35S-29

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYS001

Matrix: (soil/water) SOIL Lab Sample ID: 0612148-03

Sample wt/vol: 5.2 (g/mL) G Lab File ID: 1214803A

Level: (low/med) LOW Date Sampled: 12/14/06 13:40

% Moisture: not dec. 6 Date Analyzed: 12/27/06 17:34

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	MDL	RL	CONC	Q
74-88-4	Iodomethane	0.84	25		U
78-83-1	Isobutyl alcohol	0.51	51		U
98-82-8	Isopropylbenzene	0.89	5.1		U
79-20-9	Methyl acetate	1.6	5.1		U
126-98-7	Methacrylonitrile	0.51	25		U
108-87-2	Methyl cyclohexane	0.30	5.1		U
75-09-2	Methylene chloride	0.63	10		U
80-62-6	Methyl methacrylate	0.46	5.1		U
1634-04-4	MTBE	0.32	5.1		U
108-10-1	4-Methyl-2-pentanone	0.59	25		U
107-12-0	Propionitrile	0.51	25		U
100-42-5	Styrene	0.35	5.1		U
630-20-6	1,1,1,2-Tetrachloroethane	0.32	5.1		U
79-34-5	1,1,2,2-Tetrachloroethane	0.44	5.1		U
127-18-4	Tetrachloroethene	0.98	5.1		U
108-88-3	Toluene	0.87	5.1		U
87-61-6	1,2,3-Trichlorobenzene	0.42	5.1		U
120-82-1	1,2,4-Trichlorobenzene	0.18	5.1		U
71-55-6	1,1,1-Trichloroethane	0.91	5.1		U
79-00-5	1,1,2-Trichloroethane	0.35	5.1		U
79-01-6	Trichloroethene	0.86	5.1		U
76-13-1	Trichlorotrifluoroethane	0.56	5.1		U
75-69-4	Trichlorofluoromethane	0.96	10		U
96-18-4	1,2,3-Trichloropropane	0.71	5.1		U
108-05-4	Vinyl acetate	0.56	25		U
75-01-4	Vinyl chloride	1.1	7.1		U
108-38-3	m,p-Xylene	1.5	5.1		U
95-47-6	o-Xylene	0.71	5.1		U
1330-20-7	Xylene(total)	0.71	5.1		U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW36S-25

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYS001

Matrix: (soil/water) SOIL Lab Sample ID: 0612148-04

Sample wt/vol: 4.8 (g/mL) G Lab File ID: 1214804A

Level: (low/med) LOW Date Sampled: 12/14/06 15:10

% Moisture: not dec. 5 Date Analyzed: 12/27/06 18:11

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	MDL	RL	CONC	Q
67-64-1	Acetone	2.2	55	7.8	IV
75-05-8	Acetonitrile	0.55	27		U
107-02-8	Acrolein	5.7	27		U
107-13-1	Acrylonitrile	1.5	27		U
107-05-1	Allyl chloride	0.55	5.5		U
71-43-2	Benzene	0.51	5.5		U
75-27-4	Bromodichloromethane	0.33	5.5		U
75-25-2	Bromoform	1.1	5.5		U
74-83-9	Bromomethane	0.79	11		U
78-93-3	2-Butanone	1.5	55		U
75-15-0	Carbon disulfide	1.4	5.5		U
56-23-5	Carbon tetrachloride	0.96	5.5		U
108-90-7	Chlorobenzene	2.7	5.5		U
75-00-3	Chloroethane	1.2	11		U
67-66-3	Chloroform	0.60	5.5		U
74-87-3	Chloromethane	0.57	11		U
126-99-8	Chloroprene	0.55	5.5		U
110-82-7	Cyclohexane	0.59	11		U
124-48-1	Dibromochloromethane	0.37	5.5		U
96-12-8	1,2-Dibromo-3-chloropropane	1.3	11		U
106-93-4	1,2-Dibromoethane	0.47	5.5		U
74-95-3	Dibromomethane	0.45	5.5		U
95-50-1	1,2-Dichlorobenzene	0.40	5.5		U
541-73-1	1,3-Dichlorobenzene	0.92	5.5		U
106-46-7	1,4-Dichlorobenzene	0.60	5.5		U
110-57-6	trans-1,4-Dichloro-2-butene	8.8	27		U
75-71-8	Dichlorodifluoromethane	1.2	11		U
75-34-3	1,1-Dichloroethane	0.59	5.5		U
107-06-2	1,2-Dichloroethane	0.50	5.5		U
75-35-4	1,1-Dichloroethene	1.3	5.5		U
156-59-2	cis-1,2-Dichloroethene	1.3	5.5		U
156-60-5	trans-1,2-Dichloroethene	1.2	5.5		U
78-87-5	1,2-Dichloropropane	0.50	5.5		U
10061-01-5	cis-1,3-Dichloropropene	0.55	5.5		U
10061-02-6	trans-1,3-Dichloropropene	0.35	5.5		U
123-91-1	1,4-Dioxane	0.55	55		U
100-41-4	Ethylbenzene	0.82	5.5		U
97-63-2	Ethyl methacrylate	0.28	5.5		U
591-78-6	2-Hexanone	2.5	27		U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-MW36S-25

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYS001

Matrix: (soil/water) SOIL Lab Sample ID: 0612148-04

Sample wt/vol: 4.8 (g/mL) G Lab File ID: 1214804A

Level: (low/med) LOW Date Sampled: 12/14/06 15:10

% Moisture: not dec. 5 Date Analyzed: 12/27/06 18:11

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	MDL	RL	CONC	Q
74-88-4	Iodomethane	0.91	27		U
78-83-1	Isobutyl alcohol	0.55	55		U
98-82-8	Isopropylbenzene	0.96	5.5		U
79-20-9	Methyl acetate	1.8	5.5		U
126-98-7	Methacrylonitrile	0.55	27		U
108-87-2	Methyl cyclohexane	0.33	5.5		U
75-09-2	Methylene chloride	0.68	11		U
80-62-6	Methyl methacrylate	0.49	5.5		U
1634-04-4	MTBE	0.35	5.5		U
108-10-1	4-Methyl-2-pentanone	0.63	27		U
107-12-0	Propionitrile	0.55	27		U
100-42-5	Styrene	0.38	5.5		U
630-20-6	1,1,1,2-Tetrachloroethane	0.35	5.5		U
79-34-5	1,1,2,2-Tetrachloroethane	0.47	5.5		U
127-18-4	Tetrachloroethene	1.1	5.5		U
108-88-3	Toluene	0.94	5.5		U
87-61-6	1,2,3-Trichlorobenzene	0.46	5.5		U
120-82-1	1,2,4-Trichlorobenzene	0.20	5.5		U
71-55-6	1,1,1-Trichloroethane	0.98	5.5		U
79-00-5	1,1,2-Trichloroethane	0.38	5.5		U
79-01-6	Trichloroethene	0.93	5.5		U
76-13-1	Trichlorotrifluoroethane	0.60	5.5		U
75-69-4	Trichlorofluoromethane	1.0	11		U
96-18-4	1,2,3-Trichloropropane	0.76	5.5		U
108-05-4	Vinyl acetate	0.60	27		U
75-01-4	Vinyl chloride	1.2	7.6		U
108-38-3	m,p-Xylene	1.6	5.5		U
95-47-6	o-Xylene	0.76	5.5		U
1330-20-7	Xylene(total)	0.76	5.5		U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-SB2-S-26

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYS001

Matrix: (soil/water) SOIL Lab Sample ID: 0612161-02

Sample wt/vol: 5.5 (g/mL) G Lab File ID: 1216102A

Level: (low/med) LOW Date Sampled: 12/15/06 08:55

% Moisture: not dec. 12 Date Analyzed: 12/27/06 18:48

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	MDL	RL	CONC	Q
67-64-1	Acetone	2.1	52	8.0	IV
75-05-8	Acetonitrile	0.52	26		U
107-02-8	Acrolein	5.4	26		U
107-13-1	Acrylonitrile	1.4	26		U
107-05-1	Allyl chloride	0.52	5.2		U
71-43-2	Benzene	0.48	5.2		U
75-27-4	Bromodichloromethane	0.31	5.2		U
75-25-2	Bromoform	1.0	5.2		U
74-83-9	Bromomethane	0.74	10		U
78-93-3	2-Butanone	1.4	52		U
75-15-0	Carbon disulfide	1.3	5.2		U
56-23-5	Carbon tetrachloride	0.91	5.2		U
108-90-7	Chlorobenzene	2.6	5.2		U
75-00-3	Chloroethane	1.1	10		U
67-66-3	Chloroform	0.57	5.2		U
74-87-3	Chloromethane	0.54	10		U
126-99-8	Chloroprene	0.52	5.2		U
110-82-7	Cyclohexane	0.56	10		U
124-48-1	Dibromochloromethane	0.35	5.2		U
96-12-8	1,2-Dibromo-3-chloropropane	1.2	10		U
106-93-4	1,2-Dibromoethane	0.44	5.2		U
74-95-3	Dibromomethane	0.42	5.2		U
95-50-1	1,2-Dichlorobenzene	0.38	5.2		U
541-73-1	1,3-Dichlorobenzene	0.86	5.2		U
106-46-7	1,4-Dichlorobenzene	0.57	5.2		U
110-57-6	trans-1,4-Dichloro-2-butene	8.2	26		U
75-71-8	Dichlorodifluoromethane	1.1	10		U
75-34-3	1,1-Dichloroethane	0.56	5.2		U
107-06-2	1,2-Dichloroethane	0.47	5.2		U
75-35-4	1,1-Dichloroethene	1.2	5.2		U
156-59-2	cis-1,2-Dichloroethene	1.2	5.2		U
156-60-5	trans-1,2-Dichloroethene	1.1	5.2		U
78-87-5	1,2-Dichloropropane	0.47	5.2		U
10061-01-5	cis-1,3-Dichloropropene	0.52	5.2		U
10061-02-6	trans-1,3-Dichloropropene	0.33	5.2		U
123-91-1	1,4-Dioxane	0.52	52		U
100-41-4	Ethylbenzene	0.77	5.2		U
97-63-2	Ethyl methacrylate	0.27	5.2		U
591-78-6	2-Hexanone	2.4	26		U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-SB2-S-26

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYS001

Matrix: (soil/water) SOIL Lab Sample ID: 0612161-02

Sample wt/vol: 5.5 (g/mL) G Lab File ID: 1216102A

Level: (low/med) LOW Date Sampled: 12/15/06 08:55

% Moisture: not dec. 12 Date Analyzed: 12/27/06 18:48

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	MDL	RL	CONC	Q
74-88-4	Iodomethane	0.86	26		U
78-83-1	Isobutyl alcohol	0.52	52		U
98-82-8	Isopropylbenzene	0.91	5.2		U
79-20-9	Methyl acetate	1.6	5.2		U
126-98-7	Methacrylonitrile	0.52	26		U
108-87-2	Methyl cyclohexane	0.31	5.2		U
75-09-2	Methylene chloride	0.64	10		U
80-62-6	Methyl methacrylate	0.46	5.2		U
1634-04-4	MTBE	0.33	5.2		U
108-10-1	4-Methyl-2-pentanone	0.60	26		U
107-12-0	Propionitrile	0.52	26		U
100-42-5	Styrene	0.36	5.2		U
630-20-6	1,1,1,2-Tetrachloroethane	0.33	5.2		U
79-34-5	1,1,2,2-Tetrachloroethane	0.44	5.2		U
127-18-4	Tetrachloroethene	1.00	5.2		U
108-88-3	Toluene	0.89	5.2		U
87-61-6	1,2,3-Trichlorobenzene	0.43	5.2		U
120-82-1	1,2,4-Trichlorobenzene	0.18	5.2		U
71-55-6	1,1,1-Trichloroethane	0.93	5.2		U
79-00-5	1,1,2-Trichloroethane	0.36	5.2		U
79-01-6	Trichloroethene	0.88	5.2		U
76-13-1	Trichlorotrifluoroethane	0.57	5.2		U
75-69-4	Trichlorofluoromethane	0.98	10		U
96-18-4	1,2,3-Trichloropropane	0.72	5.2		U
108-05-4	Vinyl acetate	0.57	26		U
75-01-4	Vinyl chloride	1.1	7.2		U
108-38-3	m,p-Xylene	1.5	5.2		U
95-47-6	o-Xylene	0.72	5.2		U
1330-20-7	Xylene(total)	0.72	5.2		U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-SB3-S-26

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYS001

Matrix: (soil/water) SOIL Lab Sample ID: 0612161-04

Sample wt/vol: 5.0 (g/mL) G Lab File ID: 1216104A

Level: (low/med) LOW Date Sampled: 12/15/06 09:30

% Moisture: not dec. 9 Date Analyzed: 12/27/06 19:25

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	MDL	RL	CONC	Q
67-64-1	Acetone	2.2	54	7.2	IV
75-05-8	Acetonitrile	0.54	27		U
107-02-8	Acrolein	5.6	27		U
107-13-1	Acrylonitrile	1.5	27		U
107-05-1	Allyl chloride	0.54	5.4		U
71-43-2	Benzene	0.51	5.4		U
75-27-4	Bromodichloromethane	0.32	5.4		U
75-25-2	Bromoform	1.1	5.4		U
74-83-9	Bromomethane	0.78	11		U
78-93-3	2-Butanone	1.5	54		U
75-15-0	Carbon disulfide	1.4	5.4		U
56-23-5	Carbon tetrachloride	0.95	5.4		U
108-90-7	Chlorobenzene	2.7	5.4		U
75-00-3	Chloroethane	1.2	11		U
67-66-3	Chloroform	0.60	5.4		U
74-87-3	Chloromethane	0.56	11		U
126-99-8	Chloroprene	0.54	5.4		U
110-82-7	Cyclohexane	0.58	11		U
124-48-1	Dibromochloromethane	0.37	5.4		U
96-12-8	1,2-Dibromo-3-chloropropane	1.3	11		U
106-93-4	1,2-Dibromoethane	0.46	5.4		U
74-95-3	Dibromomethane	0.44	5.4		U
95-50-1	1,2-Dichlorobenzene	0.40	5.4		U
541-73-1	1,3-Dichlorobenzene	0.91	5.4		U
106-46-7	1,4-Dichlorobenzene	0.60	5.4		U
110-57-6	trans-1,4-Dichloro-2-butene	8.7	27		U
75-71-8	Dichlorodifluoromethane	1.2	11		U
75-34-3	1,1-Dichloroethane	0.58	5.4		U
107-06-2	1,2-Dichloroethane	0.50	5.4		U
75-35-4	1,1-Dichloroethene	1.3	5.4		U
156-59-2	cis-1,2-Dichloroethene	1.3	5.4		U
156-60-5	trans-1,2-Dichloroethene	1.2	5.4		U
78-87-5	1,2-Dichloropropane	0.50	5.4		U
10061-01-5	cis-1,3-Dichloropropene	0.54	5.4		U
10061-02-6	trans-1,3-Dichloropropene	0.35	5.4		U
123-91-1	1,4-Dioxane	0.54	54		U
100-41-4	Ethylbenzene	0.81	5.4		U
97-63-2	Ethyl methacrylate	0.28	5.4		U
591-78-6	2-Hexanone	2.5	27		U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-SB3-S-26

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYS001

Matrix: (soil/water) SOIL Lab Sample ID: 0612161-04

Sample wt/vol: 5.0 (g/mL) G Lab File ID: 1216104A

Level: (low/med) LOW Date Sampled: 12/15/06 09:30

% Moisture: not dec. 9 Date Analyzed: 12/27/06 19:25

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	MDL	RL	CONC	Q
74-88-4	Iodomethane	0.90	27		U
78-83-1	Isobutyl alcohol	0.54	54		U
98-82-8	Isopropylbenzene	0.95	5.4		U
79-20-9	Methyl acetate	1.7	5.4		U
126-98-7	Methacrylonitrile	0.54	27		U
108-87-2	Methyl cyclohexane	0.32	5.4		U
75-09-2	Methylene chloride	0.67	11		U
80-62-6	Methyl methacrylate	0.49	5.4		U
1634-04-4	MTBE	0.35	5.4		U
108-10-1	4-Methyl-2-pentanone	0.63	27		U
107-12-0	Propionitrile	0.54	27		U
100-42-5	Styrene	0.38	5.4		U
630-20-6	1,1,1,2-Tetrachloroethane	0.35	5.4		U
79-34-5	1,1,2,2-Tetrachloroethane	0.46	5.4		U
127-18-4	Tetrachloroethene	1.0	5.4		U
108-88-3	Toluene	0.93	5.4		U
87-61-6	1,2,3-Trichlorobenzene	0.45	5.4		U
120-82-1	1,2,4-Trichlorobenzene	0.19	5.4		U
71-55-6	1,1,1-Trichloroethane	0.97	5.4		U
79-00-5	1,1,2-Trichloroethane	0.38	5.4		U
79-01-6	Trichloroethene	0.92	5.4		U
76-13-1	Trichlorotrifluoroethane	0.60	5.4		U
75-69-4	Trichlorofluoromethane	1.0	11		U
96-18-4	1,2,3-Trichloropropane	0.76	5.4		U
108-05-4	Vinyl acetate	0.60	27		U
75-01-4	Vinyl chloride	1.2	7.6		U
108-38-3	m,p-Xylene	1.6	5.4		U
95-47-6	o-Xylene	0.76	5.4		U
1330-20-7	Xylene(total)	0.76	5.4		U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-SB6-S-16

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYS001

Matrix: (soil/water) SOIL Lab Sample ID: 0612161-09

Sample wt/vol: 6.0 (g/mL) G Lab File ID: 1216109A

Level: (low/med) LOW Date Sampled: 12/15/06 13:20

% Moisture: not dec. 8 Date Analyzed: 12/27/06 20:03

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: MDL	(ug/L or ug/Kg) RL	UG/KG CONC	Q
67-64-1	Acetone	1.8	45	6.9	IV
75-05-8	Acetonitrile	0.45	23		U
107-02-8	Acrolein	4.7	23		U
107-13-1	Acrylonitrile	1.3	23		U
107-05-1	Allyl chloride	0.45	4.5		U
71-43-2	Benzene	0.43	4.5		U
75-27-4	Bromodichloromethane	0.27	4.5		U
75-25-2	Bromoform	0.91	4.5		U
74-83-9	Bromomethane	0.65	9.1		U
78-93-3	2-Butanone	1.3	45		U
75-15-0	Carbon disulfide	1.2	4.5		U
56-23-5	Carbon tetrachloride	0.80	4.5		U
108-90-7	Chlorobenzene	2.3	4.5		U
75-00-3	Chloroethane	1.00	9.1		U
67-66-3	Chloroform	0.50	4.5		U
74-87-3	Chloromethane	0.47	9.1		U
126-99-8	Chloroprene	0.45	4.5		U
110-82-7	Cyclohexane	0.49	9.1		U
124-48-1	Dibromochloromethane	0.31	4.5		U
96-12-8	1,2-Dibromo-3-chloropropane	1.1	9.1		U
106-93-4	1,2-Dibromoethane	0.39	4.5		U
74-95-3	Dibromomethane	0.37	4.5		U
95-50-1	1,2-Dichlorobenzene	0.34	4.5		U
541-73-1	1,3-Dichlorobenzene	0.76	4.5		U
106-46-7	1,4-Dichlorobenzene	0.50	4.5		U
110-57-6	trans-1,4-Dichloro-2-butene	7.2	23		U
75-71-8	Dichlorodifluoromethane	1.00	9.1		U
75-34-3	1,1-Dichloroethane	0.49	4.5		U
107-06-2	1,2-Dichloroethane	0.42	4.5		U
75-35-4	1,1-Dichloroethene	1.1	4.5		U
156-59-2	cis-1,2-Dichloroethene	1.1	4.5		U
156-60-5	trans-1,2-Dichloroethene	1.00	4.5		U
78-87-5	1,2-Dichloropropane	0.42	4.5		U
10061-01-5	cis-1,3-Dichloropropene	0.45	4.5		U
10061-02-6	trans-1,3-Dichloropropene	0.29	4.5		U
123-91-1	1,4-Dioxane	0.45	45		U
100-41-4	Ethylbenzene	0.68	4.5		U
97-63-2	Ethyl methacrylate	0.24	4.5		U
591-78-6	2-Hexanone	2.1	23		U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

OLFS4-SB6-S-16

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYS001

Matrix: (soil/water) SOIL Lab Sample ID: 0612161-09

Sample wt/vol: 6.0 (g/mL) G Lab File ID: 1216109A

Level: (low/med) LOW Date Sampled: 12/15/06 13:20

% Moisture: not dec. 8 Date Analyzed: 12/27/06 20:03

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG MDL	RL	CONC	Q
74-88-4	Iodomethane	0.75	23		U
78-83-1	Isobutyl alcohol	0.45	45		U
98-82-8	Isopropylbenzene	0.80	4.5		U
79-20-9	Methyl acetate	1.4	4.5		U
126-98-7	Methacrylonitrile	0.45	23		U
108-87-2	Methyl cyclohexane	0.27	4.5		U
75-09-2	Methylene chloride	0.56	9.1		U
80-62-6	Methyl methacrylate	0.41	4.5		U
1634-04-4	MTBE	0.29	4.5		U
108-10-1	4-Methyl-2-pentanone	0.53	23		U
107-12-0	Propionitrile	0.45	23		U
100-42-5	Styrene	0.32	4.5		U
630-20-6	1,1,1,2-Tetrachloroethane	0.29	4.5		U
79-34-5	1,1,2,2-Tetrachloroethane	0.39	4.5		U
127-18-4	Tetrachloroethene	0.88	4.5		U
108-88-3	Toluene	0.78	4.5		U
87-61-6	1,2,3-Trichlorobenzene	0.38	4.5		U
120-82-1	1,2,4-Trichlorobenzene	0.16	4.5		U
71-55-6	1,1,1-Trichloroethane	0.82	4.5		U
79-00-5	1,1,2-Trichloroethane	0.32	4.5		U
79-01-6	Trichloroethene	0.77	4.5		U
76-13-1	Trichlorotrifluoroethane	0.50	4.5		U
75-69-4	Trichlorofluoromethane	0.86	9.1		U
96-18-4	1,2,3-Trichloropropane	0.64	4.5		U
108-05-4	Vinyl acetate	0.50	23		U
75-01-4	Vinyl chloride	1.00	6.4		U
108-38-3	m,p-Xylene	1.4	4.5		U
95-47-6	o-Xylene	0.64	4.5		U
1330-20-7	Xylene(total)	0.64	4.5		U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

TRIPBLANK 4307

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYS001

Matrix: (soil/water) WATER Lab Sample ID: 0612161-12

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 1216112

Level: (low/med) LOW Date Sampled: 12/15/06 16:10

% Moisture: not dec. _____ Date Analyzed: 12/27/06 13:38

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
67-64-1	Acetone	1.1	10	6.1	IV
75-05-8	Acetonitrile	0.20	1.0		U
107-02-8	Acrolein	4.1	5.0		U
107-13-1	Acrylonitrile	0.95	5.0		U
107-05-1	Allyl chloride	0.20	1.0		U
71-43-2	Benzene	0.11	1.0		U
75-27-4	Bromodichloromethane	0.24	1.0		U
75-25-2	Bromoform	0.24	1.0		U
74-83-9	Bromomethane	0.33	2.0		U
78-93-3	2-Butanone	1.2	10		U
75-15-0	Carbon disulfide	0.13	1.0		U
56-23-5	Carbon tetrachloride	0.14	1.0		U
108-90-7	Chlorobenzene	0.28	1.0		U
75-00-3	Chloroethane	0.38	2.0		U
67-66-3	Chloroform	0.30	1.0		U
74-87-3	Chloromethane	0.40	2.0		U
126-99-8	Chloroprene	0.20	1.0		U
110-82-7	Cyclohexane	0.18	2.0		U
124-48-1	Dibromochloromethane	0.080	1.0		U
96-12-8	1,2-Dibromo-3-chloropropane	0.28	2.0		U
106-93-4	1,2-Dibromoethane	0.14	1.0		U
74-95-3	Dibromomethane	0.14	1.0		U
95-50-1	1,2-Dichlorobenzene	0.17	1.0		U
541-73-1	1,3-Dichlorobenzene	0.21	1.0		U
106-46-7	1,4-Dichlorobenzene	0.12	1.0		U
110-57-6	trans-1,4-Dichloro-2-butene	0.60	5.0		U
75-71-8	Dichlorodifluoromethane	0.24	2.0		U
75-34-3	1,1-Dichloroethane	0.15	1.0		U
107-06-2	1,2-Dichloroethane	0.15	1.0		U
75-35-4	1,1-Dichloroethene	0.42	1.0		U
156-59-2	cis-1,2-Dichloroethene	0.44	1.0		U
156-60-5	trans-1,2-Dichloroethene	0.40	1.0		U
78-87-5	1,2-Dichloropropane	0.18	1.0		U
10061-01-5	cis-1,3-Dichloropropene	0.13	1.0		U
10061-02-6	trans-1,3-Dichloropropene	0.22	1.0		U
123-91-1	1,4-Dioxane	0.20	1.0		U
100-41-4	Ethylbenzene	0.14	1.0		U
97-63-2	Ethyl methacrylate	0.21	1.0		U
591-78-6	2-Hexanone	0.83	5.0		U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

TRIPBLANK 4307

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYS001

Matrix: (soil/water) WATER Lab Sample ID: 0612161-12

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 1216112

Level: (low/med) LOW Date Sampled: 12/15/06 16:10

% Moisture: not dec. _____ Date Analyzed: 12/27/06 13:38

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
74-88-4	Iodomethane	0.19	5.0		U
78-83-1	Isobutyl alcohol	0.20	1.0		U
98-82-8	Isopropylbenzene	0.25	1.0		U
79-20-9	Methyl acetate	0.87	1.0		U
126-98-7	Methacrylonitrile	0.20	1.0		U
108-87-2	Methyl cyclohexane	0.20	1.0		U
75-09-2	Methylene chloride	0.26	2.0		U
80-62-6	Methyl methacrylate	0.35	1.0		U
1634-04-4	MTBE	0.28	1.0		U
108-10-1	4-Methyl-2-pentanone	1.4	5.0		U
107-12-0	Propionitrile	0.20	1.0		U
100-42-5	Styrene	0.22	1.0		U
630-20-6	1,1,1,2-Tetrachloroethane	0.19	1.0		U
79-34-5	1,1,2,2-Tetrachloroethane	0.22	1.0		U
127-18-4	Tetrachloroethene	0.14	1.0		U
108-88-3	Toluene	0.18	1.0		U
87-61-6	1,2,3-Trichlorobenzene	0.16	1.0		U
120-82-1	1,2,4-Trichlorobenzene	0.14	1.0		U
71-55-6	1,1,1-Trichloroethane	0.15	1.0		U
79-00-5	1,1,2-Trichloroethane	0.17	1.0		U
79-01-6	Trichloroethene	0.28	1.0		U
76-13-1	Trichlorotrifluoroethane	0.22	1.0		U
75-69-4	Trichlorofluoromethane	0.15	2.0		U
96-18-4	1,2,3-Trichloropropane	0.31	1.0		U
108-05-4	Vinyl acetate	1.3	5.0		U
75-01-4	Vinyl chloride	0.19	1.0		U
108-38-3	m,p-Xylene	0.26	1.0		U
95-47-6	o-Xylene	0.21	1.0		U
1330-20-7	Xylene(total)	0.21	1.0		U

FORM 2
SOIL VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYS001

Level:(low/med) LOW

	CLIENT SAMPLE NO.	SMC1 (DFM) #	SMC2 (DCE) #	SMC3 (TOL) #	SMC4 (BFB) #	TOT OUT
01	V1PBLK1216LC	100	103	100	102	0
02	V1PBLK1216	101	104	106	102	0
03	OLFS4-MW25-S	101	99	105	113	0
04	OLFS4-MW26-S	91	85	102	105	0
05	V1PBLK1227LC	101	102	98	102	0
06	V1PBLK1227	102	107	101	105	0
07	V1PBLK1227LC	100	101	102	103	0
08	OLFS4-MW33S-	100	100	105	104	0
09	OLFS4-MW35S-	102	101	105	102	0
10	OLFS4-MW36S-	103	101	103	106	0
11	OLFS4-SB2-S-	102	102	103	108	0
12	OLFS4-SB3-S-	102	100	104	106	0
13	OLFS4-SB6-S-	105	104	103	110	0
14	V1PBLK1228LC	100	101	97	98	0
15	V1PBLK1228	101	96	108	108	0
16	OLFS4-MW33S-	107	107	99	142*	1
17						
18						
19						
20						
21						
22						
23						
24						
25						
26						
27						
28						
29						
30						

		EL QC LIMITS	SPIKE CONC (ug/Kg)
SMC1 (DFM)	= Dibromofluoromethane	(80-125)	30
SMC2 (DCE)	= 1,2-Dichloroethane-d4	(75-140)	30
SMC3 (TOL)	= Toluene-d8	(80-120)	30
SMC4 (BFB)	= Bromofluorobenzene	(80-125)	30

Column to be used to flag recovery values

* Values outside of contract required QC limits

D Surrogate results reported from a diluted analysis

FORM 2
WATER VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYS001

	CLIENT SAMPLE NO.	SMC1 (DFM) #	SMC2 (DCE) #	SMC3 (TOL) #	SMC4 (BFB) #	TOT OUT
01	V4BLK1227LCS	100	98	99	102	0
02	V4BLK1227	102	104	100	97	0
03	TRIPBLANK 43	101	97	100	96	0
04						
05						
06						
07						
08						
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29						
30						

		EL QC LIMITS	SPIKE CONC (ug/L)
SMC1 (DFM)	= Dibromofluoromethane	(85-120)	30
SMC2 (DCE)	= 1,2-Dichloroethane-d4	(80-135)	30
SMC3 (TOL)	= Toluene-d8	(85-115)	30
SMC4 (BFB)	= Bromofluorobenzene	(85-120)	30

Column to be used to flag recovery values

* Values outside of contract required QC limits

D Surrogate results reported from a diluted analysis

FORM 3
SOIL VOLATILE LAB CONTROL SAMPLE

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYS001

Matrix Spike - Client Sample No.: V1PBLK1216 Level:(low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC #	QC. LIMITS REC.
Acetone	100.0	5.893	119.2	113	30-155
Acetonitrile	500.0	0.0000	413.5	83	50-150
Acrolein	250.0	0.0000	267.3	107	10-150
Acrylonitrile	250.0	0.0000	219.5	88	35-180
Allyl chloride	50.00	0.0000	45.20	90	75-125
Benzene	50.00	0.0000	44.34	89	70-130
Bromodichloromethane	50.00	0.0000	47.14	94	70-145
Bromoform	50.00	0.0000	48.88	98	60-130
Bromomethane	50.00	0.0000	40.00	80	50-160
2-Butanone	100.0	0.0000	101.7	102	50-145
Carbon disulfide	50.00	0.0000	38.24	76	65-145
Carbon tetrachloride	50.00	0.0000	48.07	96	65-140
Chlorobenzene	50.00	0.0000	45.54	91	70-120
Chloroethane	50.00	0.0000	40.83	82	60-145
Chloroform	50.00	0.0000	45.73	91	65-135
Chloromethane	50.00	0.0000	34.23	68	50-150
Chloroprene	50.00	0.0000	51.08	102	50-150
Cyclohexane	50.00	0.0000	42.96	86	65-140
Dibromochloromethane	50.00	0.0000	47.58	95	70-140
1,2-Dibromo-3-chloropro	50.00	0.0000	48.34	97	55-145
1,2-Dibromoethane	50.00	0.0000	50.26	100	70-135
Dibromomethane	50.00	0.0000	45.93	92	75-125
1,2-Dichlorobenzene	50.00	0.0000	44.89	90	75-125
1,3-Dichlorobenzene	50.00	0.0000	52.97	106	70-125
1,4-Dichlorobenzene	50.00	0.0000	42.37	85	70-125
trans-1,4-Dichloro-2-bu	50.00	0.0000	39.26	78	50-150
Dichlorodifluoromethane	50.00	0.0000	47.39	95	35-155
1,1-Dichloroethane	50.00	0.0000	43.78	88	70-135

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

COMMENTS: _____

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FORM 3
SOIL VOLATILE LAB CONTROL SAMPLE

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYS001

Matrix Spike - Client Sample No.: V1PBLK1216 Level:(low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC #	QC. LIMITS REC.
1,2-Dichloroethane	50.00	0.0000	50.17	100	65-140
1,1-Dichloroethene	50.00	0.0000	42.06	84	65-135
cis-1,2-Dichloroethene	50.00	0.0000	42.57	85	70-135
trans-1,2-Dichloroethen	50.00	0.0000	41.75	84	65-140
1,2-Dichloropropane	50.00	0.0000	45.45	91	70-135
cis-1,3-Dichloropropene	50.00	0.0000	49.14	98	75-135
trans-1,3-Dichloroprope	50.00	0.0000	51.72	103	65-125
1,4-Dioxane	1000	0.0000	947.2	95	50-150
Ethylbenzene	50.00	0.0000	45.75	92	75-125
Ethyl methacrylate	100.0	0.0000	91.08	91	45-145
2-Hexanone	100.0	0.0000	107.2	107	50-140
Iodomethane	50.00	0.0000	46.98	94	55-165
Isobutyl alcohol	1000	0.0000	937.8	94	50-150
Isopropylbenzene	50.00	0.0000	51.05	102	70-130
Methyl acetate	50.00	0.0000	45.44	91	45-265
Methacrylonitrile	500.0	0.0000	456.5	91	50-150
Methyl cyclohexane	50.00	0.0000	43.40	87	65-135
Methylene chloride	50.00	0.0000	35.95	72	55-155
Methyl methacrylate	100.0	0.0000	97.54	98	65-125
MTBE	50.00	0.0000	44.54	89	55-150
4-Methyl-2-pentanone	100.0	0.0000	101.4	101	55-145
Propionitrile	500.0	0.0000	444.8	89	50-150
Styrene	50.00	0.0000	46.17	92	70-125
1,1,1,2-Tetrachloroetha	50.00	0.0000	46.92	94	75-125
1,1,2,2-Tetrachloroetha	50.00	0.0000	50.32	101	65-130
Tetrachloroethene	55.00	0.0000	55.50	101	65-130
Toluene	50.00	0.0000	41.44	83	55-140
1,2,3-Trichlorobenzene	50.00	0.6879	45.03	89	70-135

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

COMMENTS: _____

FORM 3
SOIL VOLATILE LAB CONTROL SAMPLE

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYS001

Matrix Spike - Client Sample No.: V1PBLK1216 Level:(low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC #	QC. LIMITS REC.
1,2,4-Trichlorobenzene	50.00	0.6036	46.18	91	55-135
1,1,1-Trichloroethane	50.00	0.0000	47.38	95	65-140
1,1,2-Trichloroethane	50.00	0.0000	46.74	93	70-130
Trichloroethene	50.00	0.0000	47.49	95	60-145
Trichlorotrifluoroethan	50.00	0.0000	40.44	81	60-140
Trichlorofluoromethane	50.00	0.0000	45.84	92	60-145
1,2,3-Trichloropropane	50.00	0.0000	52.88	106	70-120
Vinyl acetate	100.0	0.0000	97.65	98	50-135
Vinyl chloride	50.00	0.0000	41.65	83	60-145
m,p-Xylene	100.0	0.0000	93.12	93	70-125
o-Xylene	50.00	0.0000	46.28	92	70-125
Xylene(total)	150.0	0.0000	135.6	90	70-120

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 0 outside limits
Spike Recovery: 0 out of 68 outside limits

COMMENTS: _____

FORM 3
SOIL VOLATILE LAB CONTROL SAMPLE

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYS001

Matrix Spike - Client Sample No.: V1PBLK1227 Level:(low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC #	QC. LIMITS REC.
Acetone	100.0	6.118	117.8	112	30-155
Acetonitrile	500.0	0.0000	431.4	86	50-150
Acrolein	250.0	0.0000	240.2	96	10-150
Acrylonitrile	250.0	0.0000	215.8	86	35-180
Allyl chloride	50.00	0.0000	54.12	108	75-125
Benzene	50.00	0.0000	49.04	98	70-130
Bromodichloromethane	50.00	0.0000	50.23	100	70-145
Bromoform	50.00	0.0000	51.16	102	60-130
Bromomethane	50.00	0.0000	44.00	88	50-160
2-Butanone	100.0	0.0000	92.42	92	50-145
Carbon disulfide	50.00	0.0000	39.92	80	65-145
Carbon tetrachloride	50.00	0.0000	52.62	105	65-140
Chlorobenzene	50.00	0.0000	49.98	100	70-120
Chloroethane	50.00	0.0000	45.70	91	60-145
Chloroform	50.00	0.0000	50.46	101	65-135
Chloromethane	50.00	0.0000	38.27	76	50-150
Chloroprene	50.00	0.0000	59.93	120	50-150
Cyclohexane	50.00	0.0000	46.17	92	65-140
Dibromochloromethane	50.00	0.0000	52.49	105	70-140
1,2-Dibromo-3-chloropro	50.00	0.0000	51.38	103	55-145
1,2-Dibromoethane	50.00	0.0000	53.60	107	70-135
Dibromomethane	50.00	0.0000	50.20	100	75-125
1,2-Dichlorobenzene	50.00	0.0000	49.12	98	75-125
1,3-Dichlorobenzene	50.00	0.0000	51.96	104	70-125
1,4-Dichlorobenzene	50.00	0.0000	45.27	90	70-125
trans-1,4-Dichloro-2-bu	50.00	0.0000	50.51	101	50-150
Dichlorodifluoromethane	50.00	0.0000	51.75	104	35-155
1,1-Dichloroethane	50.00	0.0000	48.65	97	70-135

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

COMMENTS: _____

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FORM 3
SOIL VOLATILE LAB CONTROL SAMPLE

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYS001

Matrix Spike - Client Sample No.: V1PBLK1227 Level:(low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC #	QC. LIMITS REC.
1,2-Dichloroethane	50.00	0.0000	53.91	108	65-140
1,1-Dichloroethene	50.00	0.0000	44.82	90	65-135
cis-1,2-Dichloroethene	50.00	0.0000	46.60	93	70-135
trans-1,2-Dichloroethen	50.00	0.0000	45.61	91	65-140
1,2-Dichloropropane	50.00	0.0000	50.42	101	70-135
cis-1,3-Dichloropropene	50.00	0.0000	53.82	108	75-135
trans-1,3-Dichloroprope	50.00	0.0000	57.23	114	65-125
1,4-Dioxane	1000	0.0000	970.4	97	50-150
Ethylbenzene	50.00	0.0000	51.05	102	75-125
Ethyl methacrylate	100.0	0.0000	102.8	103	45-145
2-Hexanone	100.0	0.0000	103.8	104	50-140
Iodomethane	50.00	0.0000	53.60	107	55-165
Isobutyl alcohol	1000	0.0000	1062	106	50-150
Isopropylbenzene	50.00	0.0000	57.77	116	70-130
Methyl acetate	50.00	0.0000	39.60	79	45-265
Methacrylonitrile	500.0	0.0000	498.3	100	50-150
Methyl cyclohexane	50.00	0.0000	47.28	94	65-135
Methylene chloride	50.00	0.0000	44.72	89	55-155
Methyl methacrylate	100.0	0.0000	104.9	105	65-125
MTBE	50.00	0.0000	47.02	94	55-150
4-Methyl-2-pentanone	100.0	0.0000	102.1	102	55-145
Propionitrile	500.0	0.0000	487.4	97	50-150
Styrene	50.00	0.0000	51.00	102	70-125
1,1,1,2-Tetrachloroetha	50.00	0.0000	51.36	103	75-125
1,1,2,2-Tetrachloroetha	50.00	0.0000	52.39	105	65-130
Tetrachloroethene	55.00	0.0000	59.58	108	65-130
Toluene	50.00	0.0000	45.93	92	55-140
1,2,3-Trichlorobenzene	50.00	0.5662	47.52	94	70-135

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

COMMENTS: _____

FORM 3
SOIL VOLATILE LAB CONTROL SAMPLE

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYS001

Matrix Spike - Client Sample No.: V1PBLK1227 Level:(low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC #	QC. LIMITS REC.
1,2,4-Trichlorobenzene	50.00	0.3885	49.45	98	55-135
1,1,1-Trichloroethane	50.00	0.0000	52.47	105	65-140
1,1,2-Trichloroethane	50.00	0.0000	49.18	98	70-130
Trichloroethene	50.00	0.0000	51.27	102	60-145
Trichlorotrifluoroethan	50.00	0.0000	43.70	87	60-140
Trichlorofluoromethane	50.00	0.0000	49.70	99	60-145
1,2,3-Trichloropropane	50.00	0.0000	53.29	106	70-120
Vinyl acetate	100.0	0.0000	105.9	106	50-135
Vinyl chloride	50.00	0.0000	46.22	92	60-145
m,p-Xylene	100.0	0.0000	101.7	102	70-125
o-Xylene	50.00	0.0000	51.20	102	70-125
Xylene(total)	150.0	0.0000	148.8	99	70-120

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

COMMENTS: _____

FORM 3
SOIL VOLATILE LAB CONTROL SAMPLE

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYS001

Matrix Spike - Client Sample No.: V1PBLK1227 Level:(low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	LCSD CONCENTRATION (ug/Kg)	LCSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Acetone	100.0	165.7	160*	34	50	30-155
Acetonitrile	500.0	512.0	102	17	20	50-150
Acrolein	250.0	286.7	115	18	50	10-150
Acrylonitrile	250.0	241.0	96	11	50	35-180
Allyl chloride	50.00	52.69	105	3	20	75-125
Benzene	50.00	44.27	88	10	50	70-130
Bromodichloromethane	50.00	47.62	95	5	50	70-145
Bromoform	50.00	54.64	109	6	50	60-130
Bromomethane	50.00	39.72	79	10	50	50-160
2-Butanone	100.0	127.8	128	32	50	50-145
Carbon disulfide	50.00	35.16	70	13	50	65-145
Carbon tetrachloride	50.00	46.91	94	11	50	65-140
Chlorobenzene	50.00	46.96	94	6	50	70-120
Chloroethane	50.00	39.86	80	14	50	60-145
Chloroform	50.00	46.56	93	8	50	65-135
Chloromethane	50.00	33.96	68	12	50	50-150
Chloroprene	50.00	60.08	120	0	20	50-150
Cyclohexane	50.00	41.66	83	10	50	65-140
Dibromochloromethane	50.00	50.92	102	3	50	70-140
1,2-Dibromo-3-chloropro	50.00	57.49	115	11	50	55-145
1,2-Dibromoethane	50.00	55.69	111	4	50	70-135
Dibromomethane	50.00	50.18	100	0	50	75-125
1,2-Dichlorobenzene	50.00	46.32	93	6	50	75-125
1,3-Dichlorobenzene	50.00	46.90	94	10	50	70-125
1,4-Dichlorobenzene	50.00	50.73	101	11	50	70-125
trans-1,4-Dichloro-2-bu	50.00	51.38	103	2	50	50-150
Dichlorodifluoromethane	50.00	45.40	91	13	50	35-155
1,1-Dichloroethane	50.00	43.12	86	12	50	70-135

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

COMMENTS: _____

FORM 3
SOIL VOLATILE LAB CONTROL SAMPLE

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYS001

Matrix Spike - Client Sample No.: V1PBLK1227 Level:(low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	LCSD CONCENTRATION (ug/Kg)	LCSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
1,2-Dichloroethane	50.00	51.88	104	4	50	65-140
1,1-Dichloroethene	50.00	40.80	82	9	50	65-135
cis-1,2-Dichloroethene	50.00	42.64	85	9	50	70-135
trans-1,2-Dichloroethen	50.00	41.28	82	10	50	65-140
1,2-Dichloropropane	50.00	46.02	92	9	50	70-135
cis-1,3-Dichloropropene	50.00	50.52	101	6	50	75-135
trans-1,3-Dichloroprope	50.00	58.54	117	2	50	65-125
1,4-Dioxane	1000	1088	109	11	20	50-150
Ethylbenzene	50.00	45.84	92	11	50	75-125
Ethyl methacrylate	100.0	106.6	107	4	50	45-145
2-Hexanone	100.0	138.8	139	29	50	50-140
Iodomethane	50.00	47.75	96	12	50	55-165
Isobutyl alcohol	1000	1212	121	13	20	50-150
Isopropylbenzene	50.00	50.98	102	12	50	70-130
Methyl acetate	50.00	41.40	83	4	50	45-265
Methacrylonitrile	500.0	533.1	107	7	20	50-150
Methyl cyclohexane	50.00	41.63	83	13	50	65-135
Methylene chloride	50.00	42.60	85	5	50	55-155
Methyl methacrylate	100.0	112.2	112	7	50	65-125
MTBE	50.00	47.34	95	1	50	55-150
4-Methyl-2-pentanone	100.0	118.7	119	15	50	55-145
Propionitrile	500.0	539.9	108	10	20	50-150
Styrene	50.00	46.83	94	8	50	70-125
1,1,1,2-Tetrachloroetha	50.00	48.07	96	7	50	75-125
1,1,2,2-Tetrachloroetha	50.00	56.55	113	8	50	65-130
Tetrachloroethene	55.00	55.40	101	7	50	65-130
Toluene	50.00	42.31	85	8	50	55-140
1,2,3-Trichlorobenzene	50.00	44.34	88	7	50	70-135

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

COMMENTS: _____

FORM 3
SOIL VOLATILE LAB CONTROL SAMPLE

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYS001

Matrix Spike - Client Sample No.: V1PBLK1227 Level:(low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	LCSD CONCENTRATION (ug/Kg)	LCSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
1,2,4-Trichlorobenzene	50.00	47.19	94	5	50	55-135
1,1,1-Trichloroethane	50.00	46.82	94	11	50	65-140
1,1,2-Trichloroethane	50.00	49.33	99	0	50	70-130
Trichloroethene	50.00	46.18	92	10	50	60-145
Trichlorotrifluoroethan	50.00	38.58	77	12	50	60-140
Trichlorofluoromethane	50.00	44.46	89	11	50	60-145
1,2,3-Trichloropropane	50.00	58.82	118	10	50	70-120
Vinyl acetate	100.0	113.9	114	7	50	50-135
Vinyl chloride	50.00	41.62	83	10	50	60-145
m,p-Xylene	100.0	93.38	93	8	50	70-125
o-Xylene	50.00	47.00	94	8	50	70-125
Xylene(total)	150.0	136.6	91	8	50	70-120

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 68 outside limits
Spike Recovery: 1 out of 136 outside limits

COMMENTS: _____

FORM 3
SOIL VOLATILE LAB CONTROL SAMPLE

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYS001

Matrix Spike - Client Sample No.: V1PBLK1228 Level:(low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC #	QC. LIMITS REC.
Acetone	100.0	6.564	141.9	135	30-155
Acetonitrile	500.0	0.0000	463.3	93	50-150
Acrolein	250.0	0.0000	310.5	124	10-150
Acrylonitrile	250.0	0.0000	295.1	118	35-180
Allyl chloride	50.00	0.0000	51.13	102	75-125
Benzene	50.00	0.0000	58.75	118	70-130
Bromodichloromethane	50.00	0.0000	60.84	122	70-145
Bromoform	50.00	0.0000	63.35	127	60-130
Bromomethane	50.00	0.0000	53.43	107	50-160
2-Butanone	100.0	0.0000	119.8	120	50-145
Carbon disulfide	50.00	0.0000	50.73	101	65-145
Carbon tetrachloride	50.00	0.0000	64.45	129	65-140
Chlorobenzene	50.00	0.0000	57.19	114	70-120
Chloroethane	50.00	0.0000	54.95	110	60-145
Chloroform	50.00	0.0000	60.90	122	65-135
Chloromethane	50.00	0.0000	47.10	94	50-150
Chloroprene	50.00	0.0000	55.61	111	50-150
Cyclohexane	50.00	0.0000	57.08	114	65-140
Dibromochloromethane	50.00	0.0000	59.20	118	70-140
1,2-Dibromo-3-chloropro	50.00	0.0000	63.19	126	55-145
1,2-Dibromoethane	50.00	0.0000	65.42	131	70-135
Dibromomethane	50.00	0.0000	62.62	125	75-125
1,2-Dichlorobenzene	50.00	0.0000	57.28	114	75-125
1,3-Dichlorobenzene	50.00	0.0000	61.71	123	70-125
1,4-Dichlorobenzene	50.00	0.0000	58.11	116	70-125
trans-1,4-Dichloro-2-bu	50.00	0.0000	46.63	93	50-150
Dichlorodifluoromethane	50.00	0.0000	58.69	117	35-155
1,1-Dichloroethane	50.00	0.0000	58.73	117	70-135

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

COMMENTS: _____

FORM 3
SOIL VOLATILE LAB CONTROL SAMPLE

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYS001

Matrix Spike - Client Sample No.: V1PBLK1228 Level:(low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC #	QC. LIMITS REC.
1,2-Dichloroethane	50.00	0.0000	65.97	132	65-140
1,1-Dichloroethene	50.00	0.0000	55.50	111	65-135
cis-1,2-Dichloroethene	50.00	0.0000	56.35	113	70-135
trans-1,2-Dichloroethen	50.00	0.0000	56.67	113	65-140
1,2-Dichloropropane	50.00	0.0000	61.27	122	70-135
cis-1,3-Dichloropropene	50.00	0.0000	64.68	129	75-135
trans-1,3-Dichloroprope	50.00	0.0000	65.62	131*	65-125
1,4-Dioxane	1000	0.0000	1016	102	50-150
Ethylbenzene	50.00	0.0000	57.95	116	75-125
Ethyl methacrylate	100.0	0.0000	107.5	108	45-145
2-Hexanone	100.0	0.0000	132.1	132	50-140
Iodomethane	50.00	0.0000	67.55	135	55-165
Isobutyl alcohol	1000	0.0000	1159	116	50-150
Isopropylbenzene	50.00	0.0000	64.64	129	70-130
Methyl acetate	50.00	0.0000	55.28	110	45-265
Methacrylonitrile	500.0	0.0000	507.6	102	50-150
Methyl cyclohexane	50.00	0.0000	58.28	116	65-135
Methylene chloride	50.00	0.0000	55.10	110	55-155
Methyl methacrylate	100.0	0.0000	119.2	119	65-125
MTBE	50.00	0.0000	57.90	116	55-150
4-Methyl-2-pentanone	100.0	0.0000	134.2	134	55-145
Propionitrile	500.0	0.0000	499.0	100	50-150
Styrene	50.00	0.0000	58.09	116	70-125
1,1,1,2-Tetrachloroetha	50.00	0.0000	59.06	118	75-125
1,1,2,2-Tetrachloroetha	50.00	0.0000	64.46	129	65-130
Tetrachloroethene	55.00	0.0000	66.31	120	65-130
Toluene	50.00	0.0000	52.21	104	55-140
1,2,3-Trichlorobenzene	50.00	0.7065	58.31	115	70-135

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

COMMENTS: _____

FORM 3
SOIL VOLATILE LAB CONTROL SAMPLE

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYS001

Matrix Spike - Client Sample No.: V1PBLK1228 Level:(low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC #	QC. LIMITS REC.
1,2,4-Trichlorobenzene	50.00	0.5785	59.74	118	55-135
1,1,1-Trichloroethane	50.00	0.0000	63.26	126	65-140
1,1,2-Trichloroethane	50.00	0.0000	57.66	115	70-130
Trichloroethene	50.00	0.0000	61.18	122	60-145
Trichlorotrifluoroethan	50.00	0.0000	55.04	110	60-140
Trichlorofluoromethane	50.00	0.0000	61.02	122	60-145
1,2,3-Trichloropropane	50.00	0.0000	65.16	130*	70-120
Vinyl acetate	100.0	0.0000	129.8	130	50-135
Vinyl chloride	50.00	0.0000	55.21	110	60-145
m,p-Xylene	100.0	0.0000	116.4	116	70-125
o-Xylene	50.00	0.0000	58.44	117	70-125
Xylene(total)	150.0	0.0000	170.1	113	70-120

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 0 outside limits
Spike Recovery: 2 out of 68 outside limits

COMMENTS: _____

FORM 3
WATER VOLATILE LAB CONTROL SAMPLE

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYS001

Matrix Spike - Client Sample No.: V4BLK1227

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC #	QC. LIMITS REC.
Acetone	100.0	3.729	139.8	136	35-175
Acetonitrile	500.0	0.0000	422.8	84	50-150
Acrolein	250.0	0.0000	207.1	83	10-200
Acrylonitrile	250.0	0.0000	244.1	98	35-180
Allyl chloride	50.00	0.0000	50.54	101	50-150
Benzene	50.00	0.0000	50.39	101	75-125
Bromodichloromethane	50.00	0.0000	48.67	97	85-135
Bromoform	50.00	0.0000	51.86	104	70-140
Bromomethane	50.00	0.0000	51.24	102	45-150
2-Butanone	100.0	0.0000	126.6	127	65-145
Carbon disulfide	50.00	0.0000	42.09	84	65-130
Carbon tetrachloride	50.00	0.0000	50.23	100	75-135
Chlorobenzene	50.00	0.0000	49.55	99	75-120
Chloroethane	50.00	0.0000	50.01	100	65-145
Chloroform	50.00	0.0000	47.55	95	75-125
Chloromethane	50.00	0.0000	62.56	125	45-145
Chloroprene	50.00	0.0000	62.27	124	50-150
Cyclohexane	50.00	0.0000	49.88	100	60-130
Dibromochloromethane	50.00	0.0000	53.83	108	80-140
1,2-Dibromo-3-chloropro	50.00	0.0000	55.80	112	70-130
1,2-Dibromoethane	50.00	0.0000	51.96	104	75-130
Dibromomethane	50.00	0.0000	49.94	100	65-140
1,2-Dichlorobenzene	50.00	0.0000	50.18	100	70-130
1,3-Dichlorobenzene	50.00	0.0000	53.28	106	65-125
1,4-Dichlorobenzene	50.00	0.0000	47.09	94	70-125
trans-1,4-Dichloro-2-bu	50.00	0.0000	57.34	115	50-150
Dichlorodifluoromethane	50.00	0.0000	66.08	132	40-160
1,1-Dichloroethane	50.00	0.0000	48.46	97	75-130

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

COMMENTS: _____

FORM 3
WATER VOLATILE LAB CONTROL SAMPLE

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYS001

Matrix Spike - Client Sample No.: V4BLK1227

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC #	QC. LIMITS REC.
1,2-Dichloroethane	50.00	0.0000	51.74	103	70-135
1,1-Dichloroethene	50.00	0.0000	43.00	86	70-125
cis-1,2-Dichloroethene	50.00	0.0000	47.82	96	80-120
trans-1,2-Dichloroethen	50.00	0.0000	45.02	90	70-125
1,2-Dichloropropane	50.00	0.0000	51.68	103	75-130
cis-1,3-Dichloropropene	50.00	0.0000	56.27	112	75-130
trans-1,3-Dichloroprope	50.00	0.0000	59.83	120	70-130
1,4-Dioxane	1000	0.0000	1112	111	50-150
Ethylbenzene	50.00	0.0000	51.85	104	75-130
Ethyl methacrylate	100.0	0.0000	115.5	116	70-135
2-Hexanone	100.0	0.0000	127.8	128	70-140
Iodomethane	50.00	0.0000	43.23	86	50-140
Isobutyl alcohol	1000	0.0000	1011	101	50-150
Isopropylbenzene	50.00	0.0000	58.26	116	65-130
Methyl acetate	50.00	0.0000	38.83	78	55-150
Methacrylonitrile	500.0	0.0000	531.4	106	50-150
Methyl cyclohexane	50.00	0.0000	51.32	103	60-125
Methylene chloride	50.00	0.0000	42.00	84	70-130
Methyl methacrylate	100.0	0.0000	122.4	122	70-135
MTBE	50.00	0.0000	52.03	104	75-125
4-Methyl-2-pentanone	100.0	0.0000	118.8	119	75-135
Propionitrile	500.0	0.0000	499.4	100	50-150
Styrene	50.00	0.0000	55.39	111	75-125
1,1,1,2-Tetrachloroetha	50.00	0.0000	52.44	105	70-140
1,1,2,2-Tetrachloroetha	50.00	0.0000	50.00	100	70-130
Tetrachloroethene	55.00	0.0000	55.92	102	70-125
Toluene	50.00	0.0000	48.32	97	75-125
1,2,3-Trichlorobenzene	50.00	0.0000	48.95	98	60-125

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

COMMENTS: _____

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FORM 3
WATER VOLATILE LAB CONTROL SAMPLE

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYS001

Matrix Spike - Client Sample No.: V4BLK1227

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC #	QC. LIMITS REC.
1,2,4-Trichlorobenzene	50.00	0.0000	50.89	102	45-135
1,1,1-Trichloroethane	50.00	0.0000	50.13	100	80-125
1,1,2-Trichloroethane	50.00	0.0000	49.99	100	80-130
Trichloroethene	50.00	0.0000	52.76	106	80-125
Trichlorotrifluoroethan	50.00	0.0000	44.71	89	60-130
Trichlorofluoromethane	50.00	0.0000	50.71	101	70-140
1,2,3-Trichloropropane	50.00	0.0000	55.37	111	70-140
Vinyl acetate	100.0	0.0000	112.0	112	60-150
Vinyl chloride	50.00	0.0000	52.16	104	65-140
m,p-Xylene	100.0	0.0000	105.0	105	75-125
o-Xylene	50.00	0.0000	51.38	103	75-130
Xylene(total)	150.0	0.0000	149.3	100	75-125

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 0 outside limits
Spike Recovery: 0 out of 68 outside limits

COMMENTS: _____

FORM 4
VOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE NO.

V1PBLK1216

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYS001

Lab File ID: V1BLK01A Lab Sample ID: V1PBLK1216

Date Analyzed: 12/16/06 Time Analyzed: 1304

Column: DB-VRX ID: 0.25 (mm) Heated Purge: (Y/N) Y

Instrument ID: VOA1

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	V1PBLK1216LC	V1PBLK1216LCS	V1LCS01	1228
02	OLFS4-MW25-S	0612084-02	1208402A	1419
03	OLFS4-MW26-S	0612084-03	1208403B	1456
04				
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COMMENTS:

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

V1PBLK1216

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYS001

Matrix: (soil/water) SOIL Lab Sample ID: V1PBLK1216

Sample wt/vol: 5.0 (g/mL) G Lab File ID: V1BLK01A

Level: (low/med) LOW Date Sampled: _____

% Moisture: not dec. 0 Date Analyzed: 12/16/06 13:04

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	MDL	RL	CONC	Q
67-64-1	Acetone	2.0	50	5.9	I
75-05-8	Acetonitrile	0.50	25		U
107-02-8	Acrolein	5.2	25		U
107-13-1	Acrylonitrile	1.4	25		U
107-05-1	Allyl chloride	0.50	5.0		U
71-43-2	Benzene	0.47	5.0		U
75-27-4	Bromodichloromethane	0.30	5.0		U
75-25-2	Bromoform	1.0	5.0		U
74-83-9	Bromomethane	0.72	10		U
78-93-3	2-Butanone	1.4	50		U
75-15-0	Carbon disulfide	1.3	5.0		U
56-23-5	Carbon tetrachloride	0.88	5.0		U
108-90-7	Chlorobenzene	2.5	5.0		U
75-00-3	Chloroethane	1.1	10		U
67-66-3	Chloroform	0.55	5.0		U
74-87-3	Chloromethane	0.52	10		U
126-99-8	Chloroprene	0.50	5.0		U
110-82-7	Cyclohexane	0.54	10		U
124-48-1	Dibromochloromethane	0.34	5.0		U
96-12-8	1,2-Dibromo-3-chloropropane	1.2	10		U
106-93-4	1,2-Dibromoethane	0.43	5.0		U
74-95-3	Dibromomethane	0.41	5.0		U
95-50-1	1,2-Dichlorobenzene	0.37	5.0		U
541-73-1	1,3-Dichlorobenzene	0.84	5.0		U
106-46-7	1,4-Dichlorobenzene	0.55	5.0		U
110-57-6	trans-1,4-Dichloro-2-butene	8.0	25		U
75-71-8	Dichlorodifluoromethane	1.1	10		U
75-34-3	1,1-Dichloroethane	0.54	5.0		U
107-06-2	1,2-Dichloroethane	0.46	5.0		U
75-35-4	1,1-Dichloroethene	1.2	5.0		U
156-59-2	cis-1,2-Dichloroethene	1.2	5.0		U
156-60-5	trans-1,2-Dichloroethene	1.1	5.0		U
78-87-5	1,2-Dichloropropane	0.46	5.0		U
10061-01-5	cis-1,3-Dichloropropene	0.50	5.0		U
10061-02-6	trans-1,3-Dichloropropene	0.32	5.0		U
123-91-1	1,4-Dioxane	0.50	50		U
100-41-4	Ethylbenzene	0.75	5.0		U
97-63-2	Ethyl methacrylate	0.26	5.0		U
591-78-6	2-Hexanone	2.3	25		U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

V1PBLK1216

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYS001

Matrix: (soil/water) SOIL Lab Sample ID: V1PBLK1216

Sample wt/vol: 5.0 (g/mL) G Lab File ID: V1BLK01A

Level: (low/med) LOW Date Sampled: _____

% Moisture: not dec. 0 Date Analyzed: 12/16/06 13:04

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	MDL	RL	CONC	Q
74-88-4	Iodomethane	0.83	25		U
78-83-1	Isobutyl alcohol	0.50	50		U
98-82-8	Isopropylbenzene	0.88	5.0		U
79-20-9	Methyl acetate	1.6	5.0		U
126-98-7	Methacrylonitrile	0.50	25		U
108-87-2	Methyl cyclohexane	0.30	5.0		U
75-09-2	Methylene chloride	0.62	10		U
80-62-6	Methyl methacrylate	0.45	5.0		U
1634-04-4	MTBE	0.32	5.0		U
108-10-1	4-Methyl-2-pentanone	0.58	25		U
107-12-0	Propionitrile	0.50	25		U
100-42-5	Styrene	0.35	5.0		U
630-20-6	1,1,1,2-Tetrachloroethane	0.32	5.0		U
79-34-5	1,1,2,2-Tetrachloroethane	0.43	5.0		U
127-18-4	Tetrachloroethene	0.97	5.0		U
108-88-3	Toluene	0.86	5.0		U
87-61-6	1,2,3-Trichlorobenzene	0.42	5.0	0.69	I
120-82-1	1,2,4-Trichlorobenzene	0.18	5.0	0.60	I
71-55-6	1,1,1-Trichloroethane	0.90	5.0		U
79-00-5	1,1,2-Trichloroethane	0.35	5.0		U
79-01-6	Trichloroethene	0.85	5.0		U
76-13-1	Trichlorotrifluoroethane	0.55	5.0		U
75-69-4	Trichlorofluoromethane	0.95	10		U
96-18-4	1,2,3-Trichloropropane	0.70	5.0		U
108-05-4	Vinyl acetate	0.55	25		U
75-01-4	Vinyl chloride	1.1	7.0		U
108-38-3	m,p-Xylene	1.5	5.0		U
95-47-6	o-Xylene	0.70	5.0		U
1330-20-7	Xylene(total)	0.70	5.0		U

FORM 4
VOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE NO.

V1PBLK1227

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYS001

Lab File ID: V1BLK01A Lab Sample ID: V1PBLK1227

Date Analyzed: 12/27/06 Time Analyzed: 1353

Column: DB-VRX ID: 0.25 (mm) Heated Purge: (Y/N) Y

Instrument ID: VOA1

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	V1PBLK1227LC	V1PBLK1227LCS	V1LCS01	1317
02	V1PBLK1227LC	V1PBLK1227LCSD	V1LCSD01	1430
03	OLFS4-MW33S-	0612148-02	1214802A	1658
04	OLFS4-MW35S-	0612148-03	1214803A	1734
05	OLFS4-MW36S-	0612148-04	1214804A	1811
06	OLFS4-SB2-S-	0612161-02	1216102A	1848
07	OLFS4-SB3-S-	0612161-04	1216104A	1925
08	OLFS4-SB6-S-	0612161-09	1216109A	2003
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COMMENTS:

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

V1PBLK1227

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYS001

Matrix: (soil/water) SOIL Lab Sample ID: V1PBLK1227

Sample wt/vol: 5.0 (g/mL) G Lab File ID: V1BLK01A

Level: (low/med) LOW Date Sampled: _____

% Moisture: not dec. 0 Date Analyzed: 12/27/06 13:53

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	MDL	RL	CONC	Q
67-64-1	Acetone	2.0	50	6.1	I
75-05-8	Acetonitrile	0.50	25		U
107-02-8	Acrolein	5.2	25		U
107-13-1	Acrylonitrile	1.4	25		U
107-05-1	Allyl chloride	0.50	5.0		U
71-43-2	Benzene	0.47	5.0		U
75-27-4	Bromodichloromethane	0.30	5.0		U
75-25-2	Bromoform	1.0	5.0		U
74-83-9	Bromomethane	0.72	10		U
78-93-3	2-Butanone	1.4	50		U
75-15-0	Carbon disulfide	1.3	5.0		U
56-23-5	Carbon tetrachloride	0.88	5.0		U
108-90-7	Chlorobenzene	2.5	5.0		U
75-00-3	Chloroethane	1.1	10		U
67-66-3	Chloroform	0.55	5.0		U
74-87-3	Chloromethane	0.52	10		U
126-99-8	Chloroprene	0.50	5.0		U
110-82-7	Cyclohexane	0.54	10		U
124-48-1	Dibromochloromethane	0.34	5.0		U
96-12-8	1,2-Dibromo-3-chloropropane	1.2	10		U
106-93-4	1,2-Dibromoethane	0.43	5.0		U
74-95-3	Dibromomethane	0.41	5.0		U
95-50-1	1,2-Dichlorobenzene	0.37	5.0		U
541-73-1	1,3-Dichlorobenzene	0.84	5.0		U
106-46-7	1,4-Dichlorobenzene	0.55	5.0		U
110-57-6	trans-1,4-Dichloro-2-butene	8.0	25		U
75-71-8	Dichlorodifluoromethane	1.1	10		U
75-34-3	1,1-Dichloroethane	0.54	5.0		U
107-06-2	1,2-Dichloroethane	0.46	5.0		U
75-35-4	1,1-Dichloroethene	1.2	5.0		U
156-59-2	cis-1,2-Dichloroethene	1.2	5.0		U
156-60-5	trans-1,2-Dichloroethene	1.1	5.0		U
78-87-5	1,2-Dichloropropane	0.46	5.0		U
10061-01-5	cis-1,3-Dichloropropene	0.50	5.0		U
10061-02-6	trans-1,3-Dichloropropene	0.32	5.0		U
123-91-1	1,4-Dioxane	0.50	50		U
100-41-4	Ethylbenzene	0.75	5.0		U
97-63-2	Ethyl methacrylate	0.26	5.0		U
591-78-6	2-Hexanone	2.3	25		U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

V1PBLK1227

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYS001

Matrix: (soil/water) SOIL Lab Sample ID: V1PBLK1227

Sample wt/vol: 5.0 (g/mL) G Lab File ID: V1BLK01A

Level: (low/med) LOW Date Sampled: _____

% Moisture: not dec. 0 Date Analyzed: 12/27/06 13:53

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	MDL	RL	CONC	Q
74-88-4	Iodomethane	0.83	25		U
78-83-1	Isobutyl alcohol	0.50	50		U
98-82-8	Isopropylbenzene	0.88	5.0		U
79-20-9	Methyl acetate	1.6	5.0		U
126-98-7	Methacrylonitrile	0.50	25		U
108-87-2	Methyl cyclohexane	0.30	5.0		U
75-09-2	Methylene chloride	0.62	10		U
80-62-6	Methyl methacrylate	0.45	5.0		U
1634-04-4	MTBE	0.32	5.0		U
108-10-1	4-Methyl-2-pentanone	0.58	25		U
107-12-0	Propionitrile	0.50	25		U
100-42-5	Styrene	0.35	5.0		U
630-20-6	1,1,1,2-Tetrachloroethane	0.32	5.0		U
79-34-5	1,1,2,2-Tetrachloroethane	0.43	5.0		U
127-18-4	Tetrachloroethene	0.97	5.0		U
108-88-3	Toluene	0.86	5.0		U
87-61-6	1,2,3-Trichlorobenzene	0.42	5.0	0.57	I
120-82-1	1,2,4-Trichlorobenzene	0.18	5.0	0.39	I
71-55-6	1,1,1-Trichloroethane	0.90	5.0		U
79-00-5	1,1,2-Trichloroethane	0.35	5.0		U
79-01-6	Trichloroethene	0.85	5.0		U
76-13-1	Trichlorotrifluoroethane	0.55	5.0		U
75-69-4	Trichlorofluoromethane	0.95	10		U
96-18-4	1,2,3-Trichloropropane	0.70	5.0		U
108-05-4	Vinyl acetate	0.55	25		U
75-01-4	Vinyl chloride	1.1	7.0		U
108-38-3	m,p-Xylene	1.5	5.0		U
95-47-6	o-Xylene	0.70	5.0		U
1330-20-7	Xylene(total)	0.70	5.0		U

FORM 4
VOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE NO.

V1PBLK1228

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYS001

Lab File ID: V1BLK01A Lab Sample ID: V1PBLK1228

Date Analyzed: 12/28/06 Time Analyzed: 1247

Column: DB-VRX ID: 0.25 (mm) Heated Purge: (Y/N) Y

Instrument ID: VOA1

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	V1PBLK1228LC	V1PBLK1228LCS	V1LCS01	1210
02	OLFS4-MW33S-	0612148-01	1214801B	1401
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COMMENTS:

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

V1PBLK1228

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYS001

Matrix: (soil/water) SOIL Lab Sample ID: V1PBLK1228

Sample wt/vol: 5.0 (g/mL) G Lab File ID: V1BLK01A

Level: (low/med) LOW Date Sampled: _____

% Moisture: not dec. 0 Date Analyzed: 12/28/06 12:47

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	MDL	RL	CONC	Q
67-64-1	Acetone	2.0	50	6.6	I
75-05-8	Acetonitrile	0.50	25		U
107-02-8	Acrolein	5.2	25		U
107-13-1	Acrylonitrile	1.4	25		U
107-05-1	Allyl chloride	0.50	5.0		U
71-43-2	Benzene	0.47	5.0		U
75-27-4	Bromodichloromethane	0.30	5.0		U
75-25-2	Bromoform	1.0	5.0		U
74-83-9	Bromomethane	0.72	10		U
78-93-3	2-Butanone	1.4	50		U
75-15-0	Carbon disulfide	1.3	5.0		U
56-23-5	Carbon tetrachloride	0.88	5.0		U
108-90-7	Chlorobenzene	2.5	5.0		U
75-00-3	Chloroethane	1.1	10		U
67-66-3	Chloroform	0.55	5.0		U
74-87-3	Chloromethane	0.52	10		U
126-99-8	Chloroprene	0.50	5.0		U
110-82-7	Cyclohexane	0.54	10		U
124-48-1	Dibromochloromethane	0.34	5.0		U
96-12-8	1,2-Dibromo-3-chloropropane	1.2	10		U
106-93-4	1,2-Dibromoethane	0.43	5.0		U
74-95-3	Dibromomethane	0.41	5.0		U
95-50-1	1,2-Dichlorobenzene	0.37	5.0		U
541-73-1	1,3-Dichlorobenzene	0.84	5.0		U
106-46-7	1,4-Dichlorobenzene	0.55	5.0		U
110-57-6	trans-1,4-Dichloro-2-butene	8.0	25		U
75-71-8	Dichlorodifluoromethane	1.1	10		U
75-34-3	1,1-Dichloroethane	0.54	5.0		U
107-06-2	1,2-Dichloroethane	0.46	5.0		U
75-35-4	1,1-Dichloroethene	1.2	5.0		U
156-59-2	cis-1,2-Dichloroethene	1.2	5.0		U
156-60-5	trans-1,2-Dichloroethene	1.1	5.0		U
78-87-5	1,2-Dichloropropane	0.46	5.0		U
10061-01-5	cis-1,3-Dichloropropene	0.50	5.0		U
10061-02-6	trans-1,3-Dichloropropene	0.32	5.0		U
123-91-1	1,4-Dioxane	0.50	50		U
100-41-4	Ethylbenzene	0.75	5.0		U
97-63-2	Ethyl methacrylate	0.26	5.0		U
591-78-6	2-Hexanone	2.3	25		U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

V1PBLK1228

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYS001

Matrix: (soil/water) SOIL Lab Sample ID: V1PBLK1228

Sample wt/vol: 5.0 (g/mL) G Lab File ID: V1BLK01A

Level: (low/med) LOW Date Sampled: _____

% Moisture: not dec. 0 Date Analyzed: 12/28/06 12:47

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	MDL	RL	CONC	Q
74-88-4	Iodomethane	0.83	25		U
78-83-1	Isobutyl alcohol	0.50	50		U
98-82-8	Isopropylbenzene	0.88	5.0		U
79-20-9	Methyl acetate	1.6	5.0		U
126-98-7	Methacrylonitrile	0.50	25		U
108-87-2	Methyl cyclohexane	0.30	5.0		U
75-09-2	Methylene chloride	0.62	10		U
80-62-6	Methyl methacrylate	0.45	5.0		U
1634-04-4	MTBE	0.32	5.0		U
108-10-1	4-Methyl-2-pentanone	0.58	25		U
107-12-0	Propionitrile	0.50	25		U
100-42-5	Styrene	0.35	5.0		U
630-20-6	1,1,1,2-Tetrachloroethane	0.32	5.0		U
79-34-5	1,1,2,2-Tetrachloroethane	0.43	5.0		U
127-18-4	Tetrachloroethene	0.97	5.0		U
108-88-3	Toluene	0.86	5.0		U
87-61-6	1,2,3-Trichlorobenzene	0.42	5.0	0.71	I
120-82-1	1,2,4-Trichlorobenzene	0.18	5.0	0.58	I
71-55-6	1,1,1-Trichloroethane	0.90	5.0		U
79-00-5	1,1,2-Trichloroethane	0.35	5.0		U
79-01-6	Trichloroethene	0.85	5.0		U
76-13-1	Trichlorotrifluoroethane	0.55	5.0		U
75-69-4	Trichlorofluoromethane	0.95	10		U
96-18-4	1,2,3-Trichloropropane	0.70	5.0		U
108-05-4	Vinyl acetate	0.55	25		U
75-01-4	Vinyl chloride	1.1	7.0		U
108-38-3	m,p-Xylene	1.5	5.0		U
95-47-6	o-Xylene	0.70	5.0		U
1330-20-7	Xylene(total)	0.70	5.0		U

FORM 4
VOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE NO.

V4BLK1227

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYS001

Lab File ID: V4BLK01 Lab Sample ID: V4BLK1227

Date Analyzed: 12/27/06 Time Analyzed: 1234

Column: DB-VRX ID: 0.25 (mm) Heated Purge: (Y/N) N

Instrument ID: VOA4

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	V4BLK1227LCS	V4BLK1227LCS	V4LCS01	1101
02	TRIPBLANK 43	0612161-12	1216112	1338
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COMMENTS:

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

V4BLK1227

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYS001

Matrix: (soil/water) WATER Lab Sample ID: V4BLK1227

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V4BLK01

Level: (low/med) LOW Date Sampled: _____

% Moisture: not dec. _____ Date Analyzed: 12/27/06 12:34

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
67-64-1	Acetone	1.1	10	3.7	I
75-05-8	Acetonitrile	0.20	1.0		U
107-02-8	Acrolein	4.1	5.0		U
107-13-1	Acrylonitrile	0.95	5.0		U
107-05-1	Allyl chloride	0.20	1.0		U
71-43-2	Benzene	0.11	1.0		U
75-27-4	Bromodichloromethane	0.24	1.0		U
75-25-2	Bromoform	0.24	1.0		U
74-83-9	Bromomethane	0.33	2.0		U
78-93-3	2-Butanone	1.2	10		U
75-15-0	Carbon disulfide	0.13	1.0		U
56-23-5	Carbon tetrachloride	0.14	1.0		U
108-90-7	Chlorobenzene	0.28	1.0		U
75-00-3	Chloroethane	0.38	2.0		U
67-66-3	Chloroform	0.30	1.0		U
74-87-3	Chloromethane	0.40	2.0		U
126-99-8	Chloroprene	0.20	1.0		U
110-82-7	Cyclohexane	0.18	2.0		U
124-48-1	Dibromochloromethane	0.080	1.0		U
96-12-8	1,2-Dibromo-3-chloropropane	0.28	2.0		U
106-93-4	1,2-Dibromoethane	0.14	1.0		U
74-95-3	Dibromomethane	0.14	1.0		U
95-50-1	1,2-Dichlorobenzene	0.17	1.0		U
541-73-1	1,3-Dichlorobenzene	0.21	1.0		U
106-46-7	1,4-Dichlorobenzene	0.12	1.0		U
110-57-6	trans-1,4-Dichloro-2-butene	0.60	5.0		U
75-71-8	Dichlorodifluoromethane	0.24	2.0		U
75-34-3	1,1-Dichloroethane	0.15	1.0		U
107-06-2	1,2-Dichloroethane	0.15	1.0		U
75-35-4	1,1-Dichloroethene	0.42	1.0		U
156-59-2	cis-1,2-Dichloroethene	0.44	1.0		U
156-60-5	trans-1,2-Dichloroethene	0.40	1.0		U
78-87-5	1,2-Dichloropropane	0.18	1.0		U
10061-01-5	cis-1,3-Dichloropropene	0.13	1.0		U
10061-02-6	trans-1,3-Dichloropropene	0.22	1.0		U
123-91-1	1,4-Dioxane	0.20	1.0		U
100-41-4	Ethylbenzene	0.14	1.0		U
97-63-2	Ethyl methacrylate	0.21	1.0		U
591-78-6	2-Hexanone	0.83	5.0		U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

V4BLK1227

Lab Name: EMPIRICAL LABS Contract: TETRATECH

Lab Code: ELABN Case No.: NA SAS No.: NA SDG No.: SAUFLEYS001

Matrix: (soil/water) WATER Lab Sample ID: V4BLK1227

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V4BLK01

Level: (low/med) LOW Date Sampled: _____

% Moisture: not dec. _____ Date Analyzed: 12/27/06 12:34

GC Column: DB-VRX ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	MDL	RL	CONC	Q
74-88-4	Iodomethane	0.19	5.0		U
78-83-1	Isobutyl alcohol	0.20	1.0		U
98-82-8	Isopropylbenzene	0.25	1.0		U
79-20-9	Methyl acetate	0.87	1.0		U
126-98-7	Methacrylonitrile	0.20	1.0		U
108-87-2	Methyl cyclohexane	0.20	1.0		U
75-09-2	Methylene chloride	0.26	2.0		U
80-62-6	Methyl methacrylate	0.35	1.0		U
1634-04-4	MTBE	0.28	1.0		U
108-10-1	4-Methyl-2-pentanone	1.4	5.0		U
107-12-0	Propionitrile	0.20	1.0		U
100-42-5	Styrene	0.22	1.0		U
630-20-6	1,1,1,2-Tetrachloroethane	0.19	1.0		U
79-34-5	1,1,2,2-Tetrachloroethane	0.22	1.0		U
127-18-4	Tetrachloroethene	0.14	1.0		U
108-88-3	Toluene	0.18	1.0		U
87-61-6	1,2,3-Trichlorobenzene	0.16	1.0		U
120-82-1	1,2,4-Trichlorobenzene	0.14	1.0		U
71-55-6	1,1,1-Trichloroethane	0.15	1.0		U
79-00-5	1,1,2-Trichloroethane	0.17	1.0		U
79-01-6	Trichloroethene	0.28	1.0		U
76-13-1	Trichlorotrifluoroethane	0.22	1.0		U
75-69-4	Trichlorofluoromethane	0.15	2.0		U
96-18-4	1,2,3-Trichloropropane	0.31	1.0		U
108-05-4	Vinyl acetate	1.3	5.0		U
75-01-4	Vinyl chloride	0.19	1.0		U
108-38-3	m,p-Xylene	0.26	1.0		U
95-47-6	o-Xylene	0.21	1.0		U
1330-20-7	Xylene(total)	0.21	1.0		U

USEPA - 6010B
- 1 -
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-MW-27S-10

Lab Name: Empirical Labs Contract: TetraTech NUS, Inc.

Lab Code: ELABN Case No.: SAS No.: SDG: SAUFLEYS001

Matrix: SPLP Lab Sample ID: 0612068-01SPLP

Level (low/med): LOW Date Sampled: 12/06/06

% Solids: 0.0 Date Received: 12/07/06

Concentration Units (ug/L or mg/kg dry weight): ug/L

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
7440-22-4	Silver	1.0	10.0		U		P
7429-90-5	Aluminum	75.0	200	84.4	I		P
7440-38-2	Arsenic	3.0	10.0		U		P
7440-39-3	Barium	5.0	200	34.1	I		P
7440-41-7	Beryllium	4.0	10.0		U		P
7440-70-2	Calcium	1000	5000		U		P
7440-43-9	Cadmium	1.0	5.0		U		P
7440-48-4	Cobalt	5.0	50.0		U		P
7440-47-3	Chromium	2.0	10.0		U		P
7440-50-8	Copper	5.0	25.0		U		P
7439-89-6	Iron	30.0	100		U		P
7440-09-7	Potassium	1000	5000		U		P
7439-95-4	Magnesium	1000	5000		U		P
7439-96-5	Manganese	3.0	15.0	29.2			P
7440-23-5	Sodium	1000	5000		U		P
7440-02-0	Nickel	5.0	40.0		U		P
7439-92-1	Lead	1.5	3.0	1.7	I		P
7440-36-0	Antimony	5.0	60.0		U		P
7782-49-2	Selenium	5.0	10.0		U		P
7440-62-2	Vanadium	5.0	50.0		U		P
7440-66-6	Zinc	10.0	20.0	22.0			P
7440-28-0	Thallium	0.75	2.5		U		P

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

USEPA - 6010B
- 1 -
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-MW-27S-45

Lab Name: Empirical Labs Contract: TetraTech NUS, Inc.

Lab Code: ELABN Case No.: SAS No.: SDG: SAUFLEYS001

Matrix: SPLP Lab Sample ID: 0612068-02SPLP

Level (low/med): LOW Date Sampled: 12/06/06

% Solids: 0.0 Date Received: 12/07/06

Concentration Units (ug/L or mg/kg dry weight): ug/L

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
7440-22-4	Silver	1.0	10.0		U		P
7429-90-5	Aluminum	75.0	200		U		P
7440-38-2	Arsenic	3.0	10.0		U		P
7440-39-3	Barium	5.0	200	29.2	I		P
7440-41-7	Beryllium	4.0	10.0		U		P
7440-70-2	Calcium	1000	5000		U		P
7440-43-9	Cadmium	1.0	5.0		U		P
7440-48-4	Cobalt	5.0	50.0		U		P
7440-47-3	Chromium	2.0	10.0		U		P
7440-50-8	Copper	5.0	25.0		U		P
7439-89-6	Iron	30.0	100	35.6	I		P
7440-09-7	Potassium	1000	5000		U		P
7439-95-4	Magnesium	1000	5000		U		P
7439-96-5	Manganese	3.0	15.0	3.4	I		P
7440-23-5	Sodium	1000	5000		U		P
7440-02-0	Nickel	5.0	40.0		U		P
7439-92-1	Lead	1.5	3.0	2.3	I		P
7440-36-0	Antimony	5.0	60.0		U		P
7782-49-2	Selenium	5.0	10.0		U		P
7440-62-2	Vanadium	5.0	50.0		U		P
7440-66-6	Zinc	10.0	20.0	20.2			P
7440-28-0	Thallium	0.75	2.5		U		P

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

USEPA - 6010B
- 1 -
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-MW25-S-10

Lab Name: Empirical Labs Contract: TetraTech NUS, Inc.

Lab Code: ELABN Case No.: SAS No.: SDG: SAUFLEYS001

Matrix: SPLP Lab Sample ID: 0612084-01SPLP

Level (low/med): LOW Date Sampled: 12/07/06

% Solids: 0.0 Date Received: 12/08/06

Concentration Units (ug/L or mg/kg dry weight): ug/L

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
7440-22-4	Silver	1.0	10.0		U		P
7429-90-5	Aluminum	75.0	200		U		P
7440-38-2	Arsenic	3.0	10.0		U		P
7440-39-3	Barium	5.0	200	22.1	I		P
7440-41-7	Beryllium	4.0	10.0		U		P
7440-70-2	Calcium	1000	5000	1570	I		P
7440-43-9	Cadmium	1.0	5.0		U		P
7440-48-4	Cobalt	5.0	50.0		U		P
7440-47-3	Chromium	2.0	10.0		U		P
7440-50-8	Copper	5.0	25.0		U		P
7439-89-6	Iron	30.0	100		U		P
7440-09-7	Potassium	1000	5000		U		P
7439-95-4	Magnesium	1000	5000		U		P
7439-96-5	Manganese	3.0	15.0		U		P
7440-23-5	Sodium	1000	5000		U		P
7440-02-0	Nickel	5.0	40.0		U		P
7439-92-1	Lead	1.5	3.0	2.6	I		P
7440-36-0	Antimony	5.0	60.0		U		P
7782-49-2	Selenium	5.0	10.0		U		P
7440-62-2	Vanadium	5.0	50.0		U		P
7440-66-6	Zinc	10.0	20.0	39.1			P
7440-28-0	Thallium	0.75	2.5		U		P

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

USEPA - 6010B
- 1 -
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-MW25-S-40

Lab Name: Empirical Labs Contract: TetraTech NUS, Inc.

Lab Code: ELABN Case No.: SAS No.: SDG: SAUFLEYS001

Matrix: SPLP Lab Sample ID: 0612084-02SPLP

Level (low/med): LOW Date Sampled: 12/07/06

% Solids: 0.0 Date Received: 12/08/06

Concentration Units (ug/L or mg/kg dry weight): ug/L

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
7440-22-4	Silver	1.0	10.0		U		P
7429-90-5	Aluminum	75.0	200		U		P
7440-38-2	Arsenic	3.0	10.0		U		P
7440-39-3	Barium	5.0	200	15.0	I		P
7440-41-7	Beryllium	4.0	10.0		U		P
7440-70-2	Calcium	1000	5000		U		P
7440-43-9	Cadmium	1.0	5.0		U		P
7440-48-4	Cobalt	5.0	50.0		U		P
7440-47-3	Chromium	2.0	10.0		U		P
7440-50-8	Copper	5.0	25.0		U		P
7439-89-6	Iron	30.0	100		U		P
7440-09-7	Potassium	1000	5000		U		P
7439-95-4	Magnesium	1000	5000		U		P
7439-96-5	Manganese	3.0	15.0		U		P
7440-23-5	Sodium	1000	5000		U		P
7440-02-0	Nickel	5.0	40.0		U		P
7439-92-1	Lead	1.5	3.0		U		P
7440-36-0	Antimony	5.0	60.0		U		P
7782-49-2	Selenium	5.0	10.0		U		P
7440-62-2	Vanadium	5.0	50.0		U		P
7440-66-6	Zinc	10.0	20.0		U		P
7440-28-0	Thallium	0.75	2.5	0.77	I		P

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

USEPA - 6010B
- 1 -
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLFS4-SB7-S-12

Lab Name: Empirical Labs Contract: TetraTech NUS, Inc.

Lab Code: ELABN Case No.: SAS No.: SDG: SAUFLEYS001

Matrix: SPLP Lab Sample ID: 0612161-10SPLP

Level (low/med): LOW Date Sampled: 12/15/06

% Solids: 0.0 Date Received: 12/16/06

Concentration Units (ug/L or mg/kg dry weight): ug/L

CAS No.	Analyte	MDL	PQL	Concentration	C	Q	M
7440-22-4	Silver	1.0	10.0		U		P
7429-90-5	Aluminum	75.0	200	112	I		P
7440-38-2	Arsenic	3.0	10.0		U		P
7440-39-3	Barium	5.0	200	38.8	I		P
7440-41-7	Beryllium	4.0	10.0		U		P
7440-70-2	Calcium	1000	5000	1210	I		P
7440-43-9	Cadmium	1.0	5.0		U		P
7440-48-4	Cobalt	5.0	50.0		U		P
7440-47-3	Chromium	2.0	10.0		U		P
7440-50-8	Copper	5.0	25.0		U		P
7439-89-6	Iron	30.0	100		U		P
7440-09-7	Potassium	1000	5000		U		P
7439-95-4	Magnesium	1000	5000		U		P
7439-96-5	Manganese	3.0	15.0	37.0			P
7440-23-5	Sodium	1000	5000	1060	I		P
7440-02-0	Nickel	5.0	40.0		U		P
7439-92-1	Lead	1.5	3.0	2.0	I		P
7440-36-0	Antimony	5.0	60.0		U		P
7782-49-2	Selenium	5.0	10.0		U		P
7440-62-2	Vanadium	5.0	50.0		U		P
7440-66-6	Zinc	10.0	20.0	31.3			P
7440-28-0	Thallium	0.75	2.5		U		P

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

APPENDIX I

GROUNDWATER LABORATORY ANALYTICAL REPORTS

Tetra Tech NUS **INTERNAL CORRESPONDENCE**

TO:	**G. WALKER**	**DATE:**	**AUGUST 17, 2007**
FROM:	**MATTHEW D. KRAUS**	**COPIES:**	**DV FILE**
SUBJECT:	**INORGANIC DATA VALIDATION – TAL METALS** **SAUFLEY – CTO 029** **SDG – CTO29-1**		
SAMPLES:	11/Aqueous/		

OLFS4-MW37-0607	OLFS4-MW37-0607-D	OLFS4-MW38-0607
OLFS4-MW39-0607	OLFS4-MW40-0607	OLFS4-MW41-0607
OLFS4-MW42-0607	OLFS4-MW43-0607	OLFS4-MW44-0607
OLFS4-MW45-0607	OLFS4-MW46-0607	

Overview

The sample set for Saufley, CTO 029, SDG CTO29-1, consists of eleven aqueous environmental samples. One field duplicate pair (OLFS4-MW37-0607 / OLFS4-MW37-0607-D) is included in this SDG.

Samples were collected by Tetra Tech NUS on June 12-14, 2007 and analyzed by Katahdin Analytical Services for target analyte list (TAL) metals. Metals analyses (expect mercury) were conducted using SW846 method 6010B. Mercury analyses were conducted using SW846 method 7470A.

These data were evaluated based on the following parameters:

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

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

Calibration Recoveries

The continuing calibration percent recovery (%R) for zinc on 06/26/07 at 16:24 was greater then the upper quality control limit (110 %R) affecting samples OLFS4-MW38-0607, OLFS4-MW39-0607, OLFS4-MW41-0607, OLFS4-MW45-0607 and OLFS4-MW46-0607. The positive result reported for zinc in sample OLFS4-MW41-0607 was qualified as estimated, "J". No zinc data was qualified for the other affected samples because those samples were qualified due to laboratory blank contamination.

Laboratory Method/Preparation Blank Analyses

Laboratory method/preparation blank contaminants were detected at the following maximum concentrations:

Analyte	Maximum Concentration	Blank Action Level
Antimony	1.81 µg/L	9.05 µg/L
Arsenic	1.91 µg/L	9.55 µg/L
Barium	0.66 µg/L	3.30 µg/L
Chromium [1]	0.50 µg/L	2.51 µg/L
Chromium [2]	0.404 µg/L	2.02 µg/L
Cobalt	0.29 µg/L	1.45 µg/L
Copper	5.25 µg/L	26.2 µg/L
Iron [1]	7.14 µg/L	35.7 µg/L
Mercury [1]	0.033 µg/L	0.16 µg/L
Magnesium	8.56 µg/L	42.8 µg/L
Nickel	0.51 µg/L	2.55 µg/L
Selenium [2]	1.677 µg/L	8.38 µg/L
Sodium [1]	28.17 µg/L	140 µg/L
Sodium [2]	24.84 µg/L	124 µg/L
Thallium	1.55 µg/L	7.75 µg/L
Vanadium [1]	0.50 µg/L	2.50 µg/L
Vanadium [2]	0.373 µg/L	1.86 µg/L
Zinc [1]	1.970 µg/L	9.85 µg/L
Zinc [2]	2.170 µg/L	10.8 µg/L

[1] Maximum contaminant concentration detected in the laboratory prep blank affecting Samples OLFS4-MW42-0607, OLFS4-MW43-0607, and OLFS4-MW44-0607.

[2] Maximum contaminant concentration detected in the laboratory prep blank affecting all samples except OLFS4-MW42-0607, OLFS4-MW43-0607, and OLFS4-MW44-0607.

An action level of 5X the maximum concentration was used to evaluate the sample data for blank contamination. Sample aliquot and dilution factors, if applicable, were taken into consideration when evaluating for blank contamination. Antimony, arsenic, chromium, copper, mercury, nickel, selenium, thallium, vanadium, and zinc were qualified due to laboratory blank contamination.

Matrix Spike Recoveries

The matrix spike (MS) and matrix spike duplicate (MSD) analyses of samples OLFS4-MW40-0607 and OLFS4-MW43-0607 yielded %Rs for aluminum greater than the upper quality control limit (125%) affecting all samples. Positive results reported for aluminum were qualified as estimated, "J".

Notes

Sample results for copper were greater than 50X the instrument detection limit (IDL) for samples OLFS4-MW40-0607 and OLFS4-MW43-0607 and the serial dilutions of those samples did not agree within a ten percent difference (%D) of the respective sample results. No validation action was taken because all copper results were previously qualified due to laboratory blank contamination.

One of the ten coolers received was slightly above the standard 2-6°C temperature range at 9.1°C. The laboratory report documentation does not specify whether or not the metals samples were in that cooler; however, even if the metals samples were contained in that cooler the analytical results would not be affected because the samples were properly preserved.

The laboratory ran matrix spike duplicates instead of sample duplicates to evaluate laboratory duplicate precision.

The relative percent differences of aluminum and chromium were greater than the upper quality control limit (30% RPD) for the field duplicate pair (OLFS4-MW37-0607 / OLFS4-MW37-0607-D). However, those sample and duplicate results did not exceed 5X the CRDL of aluminum or chromium and the difference between the sample and duplicate results were within the range of +/- 2X each respective CRDL. Therefore, no validation action was required.

Executive Summary

Laboratory Performance: Zinc was qualified due to a calibration noncompliance. Several results were qualified due to laboratory blank contamination.

Other Factors Affecting Data Quality: Aluminum was qualified due to a matrix spike recovery noncompliance.

The data for these analyses were reviewed with reference to the "National Functional Guidelines for Inorganic Data Review", October 2004, and the Department of Defense (DoD) document entitled "Quality Systems Manual (QSM) for Environmental Laboratories" (January 2006).

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

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

Tetra Tech NUS
Matthew D. Kraus
Environmental Chemist

Tetra Tech NUS
Joseph A. Samchuck
Quality Assurance Officer

Attachments:

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

PROJ_NO: 00389

SDG: CTO29-1 MEDIA: WATER DATA FRACTION: M

nsample	OLFS4-MW37-0607	nsample	OLFS4-MW37-0607-D	nsample	OLFS4-MW38-0607
samp_date	6/12/2007	samp_date	6/12/2007	samp_date	6/13/2007
lab_id	SA3013-003	lab_id	SA3013-005	lab_id	SA3013-009
qc_type	NM	qc_type	NM	qc_type	NM
units	UG/L	units	UG/L	units	UG/L
Pct_Solids	0.0	Pct_Solids	0.0	Pct_Solids	0.0
DUP_OF:		DUP_OF:	OLFS4-MW37-0607	DUP_OF:	

Parameter	Result	Val Qual	Qual Code
ALUMINUM	65.1	J	D
ANTIMONY	0.87	U	
ARSENIC	2.3	U	A
BARIUM	62.1		
BERYLLIUM	0.12	U	
CADMIUM	0.1	U	
CALCIUM	4180		
CHROMIUM	5.4		
COBALT	6.3		
COPPER	4.9	U	A
IRON	708		
LEAD	0.91	U	
MAGNESIUM	3860		
MANGANESE	310		
MERCURY	0.01	U	
NICKEL	8.7		
POTASSIUM	2010		
SELENIUM	1.5	U	
SILVER	0.46	U	
SODIUM	4250		
THALLIUM	0.84	U	A
VANADIUM	0.58	U	A
ZINC	10	U	A

Parameter	Result	Val Qual	Qual Code
ALUMINUM	31.3	J	D
ANTIMONY	0.87	U	
ARSENIC	0.83	U	
BARIUM	61.8		
BERYLLIUM	0.12	U	
CADMIUM	0.1	U	
CALCIUM	4290		
CHROMIUM	2.8		
COBALT	7		
COPPER	3.8	U	A
IRON	668		
LEAD	1.8		
MAGNESIUM	3980		
MANGANESE	340		
MERCURY	0.01	U	
NICKEL	8.3		
POTASSIUM	1940		
SELENIUM	1.5	U	
SILVER	0.46	U	
SODIUM	4210		
THALLIUM	1.2	U	A
VANADIUM	0.7	U	A
ZINC	9.7	U	A

Parameter	Result	Val Qual	Qual Code
ALUMINUM	215	J	D
ANTIMONY	0.87	U	
ARSENIC	1.8	U	A
BARIUM	48.4		
BERYLLIUM	0.12	U	
CADMIUM	0.1	U	
CALCIUM	10200		
CHROMIUM	6.2		
COBALT	11.8		
COPPER	4.2	U	A
IRON	1060		
LEAD	0.91	U	
MAGNESIUM	2780		
MANGANESE	1460		
MERCURY	0.04	U	A
NICKEL	6.5		
POTASSIUM	2100		
SELENIUM	1.5	U	
SILVER	0.46	U	
SODIUM	11400		
THALLIUM	0.71	U	
VANADIUM	1	U	A
ZINC	7.4	U	A

PROJ_NO: 00389

SDG: CTO29-1 MEDIA: WATER DATA FRACTION: M

nsample	OLFS4-MW39-0607	nsample	OLFS4-MW40-0607	nsample	OLFS4-MW41-0607
samp_date	6/12/2007	samp_date	6/12/2007	samp_date	6/13/2007
lab_id	SA3013-007	lab_id	SA3013-001	lab_id	SA3013-011
qc_type	NM	qc_type	NM	qc_type	NM
units	UG/L	units	UG/L	units	UG/L
Pct_Solids	0.0	Pct_Solids	0.0	Pct_Solids	0.0
DUP_OF:		DUP_OF:		DUP_OF:	

Parameter	Result	Val Qual	Qual Code
ALUMINUM	116	J	D
ANTIMONY	0.87	U	
ARSENIC	0.83	U	
BARIUM	30.5		
BERYLLIUM	0.12	U	
CADMIUM	0.1	U	
CALCIUM	11000		
CHROMIUM	9.3		
COBALT	2.5		
COPPER	2	U	A
IRON	285		
LEAD	0.91	U	
MAGNESIUM	1980		
MANGANESE	410		
MERCURY	0.01	U	
NICKEL	9.3		
POTASSIUM	1430		
SELENIUM	1.5	U	
SILVER	0.46	U	
SODIUM	9580		
THALLIUM	0.71	U	
VANADIUM	1	U	A
ZINC	4.6	U	A

Parameter	Result	Val Qual	Qual Code
ALUMINUM	335	J	D
ANTIMONY	1.5	U	A
ARSENIC	1.4	U	A
BARIUM	16.6		
BERYLLIUM	0.12	U	
CADMIUM	0.1	U	
CALCIUM	2450		
CHROMIUM	22.1		
COBALT	3.1		
COPPER	13.6	U	A
IRON	608		
LEAD	1.4		
MAGNESIUM	789		
MANGANESE	221		
MERCURY	0.01	U	
NICKEL	12.8		
POTASSIUM	545		
SELENIUM	1.5	U	
SILVER	0.46	U	
SODIUM	2870		
THALLIUM	0.79	U	A
VANADIUM	1.8	U	A
ZINC	12		

Parameter	Result	Val Qual	Qual Code
ALUMINUM	1100	J	D
ANTIMONY	0.87	U	
ARSENIC	0.95	U	A
BARIUM	16.4		
BERYLLIUM	0.12	U	
CADMIUM	0.1	U	
CALCIUM	3080		
CHROMIUM	3.5		
COBALT	3.6		
COPPER	9.7	U	A
IRON	1340		
LEAD	1.6		
MAGNESIUM	816		
MANGANESE	270		
MERCURY	0.01	U	
NICKEL	2.5	U	A
POTASSIUM	737		
SELENIUM	1.5	U	
SILVER	0.46	U	
SODIUM	7580		
THALLIUM	1.3	U	A
VANADIUM	2.7		
ZINC	12.1	J	C

PROJ_NO: 00389

SDG: CTO29-1 MEDIA: WATER DATA FRACTION: M

nsample	OLFS4-MW42-0607	nsample	OLFS4-MW43-0607	nsample	OLFS4-MW44-0607
samp_date	6/14/2007	samp_date	6/14/2007	samp_date	6/13/2007
lab_id	SA3013-019	lab_id	SA3013-021	lab_id	SA3013-017
qc_type	NM	qc_type	NM	qc_type	NM
units	UG/L	units	UG/L	units	UG/L
Pct_Solids	0.0	Pct_Solids	0.0	Pct_Solids	0.0
DUP_OF:		DUP_OF:		DUP_OF:	

Parameter	Result	Val Qual	Qual Code
ALUMINUM	40.2	J	D
ANTIMONY	0.87	U	
ARSENIC	0.85	U	A
BARIUM	16.8		
BERYLLIUM	0.12	U	
CADMIUM	0.1	U	
CALCIUM	14700		
CHROMIUM	1.5	U	A
COBALT	1.7		
COPPER	0.93	U	A
IRON	58.6		
LEAD	0.91	U	
MAGNESIUM	1780		
MANGANESE	108		
MERCURY	0.01	U	
NICKEL	1.6	U	A
POTASSIUM	814		
SELENIUM	1.5	U	
SILVER	0.46	U	
SODIUM	3660		
THALLIUM	0.73	U	A
VANADIUM	0.66	U	A
ZINC	4.9	U	A

Parameter	Result	Val Qual	Qual Code
ALUMINUM	1070	J	D
ANTIMONY	0.87	U	
ARSENIC	2	U	A
BARIUM	74.6		
BERYLLIUM	0.12	U	
CADMIUM	0.1	U	
CALCIUM	47400		
CHROMIUM	3.1		
COBALT	5.4		
COPPER	9.1	U	A
IRON	967		
LEAD	1.4		
MAGNESIUM	6960		
MANGANESE	1150		
MERCURY	1.1		
NICKEL	2.8		
POTASSIUM	5520		
SELENIUM	1.5	U	
SILVER	0.46	U	
SODIUM	20400		
THALLIUM	1.5	U	A
VANADIUM	1.2	U	A
ZINC	8.8	U	A

Parameter	Result	Val Qual	Qual Code
ALUMINUM	73.2	J	D
ANTIMONY	1.7	U	A
ARSENIC	2	U	A
BARIUM	93.2		
BERYLLIUM	0.12	U	
CADMIUM	0.1	U	
CALCIUM	48300		
CHROMIUM	9.1		
COBALT	6.7		
COPPER	1.2	U	A
IRON	128		
LEAD	0.91	U	
MAGNESIUM	5520		
MANGANESE	1160		
MERCURY	0.01	U	
NICKEL	9.6		
POTASSIUM	6270		
SELENIUM	1.5	U	
SILVER	0.46	U	
SODIUM	12400		
THALLIUM	1.4	U	A
VANADIUM	0.57	U	A
ZINC	6.8	U	A

PROJ_NO: 00389

SDG: CTO29-1 MEDIA: WATER DATA FRACTION: M

nsample	OLFS4-MW45-0607	nsample	OLFS4-MW46-0607
samp_date	6/13/2007	samp_date	6/13/2007
lab_id	SA3013-013	lab_id	SA3013-015
qc_type	NM	qc_type	NM
units	UG/L	units	UG/L
Pct_Solids	0.0	Pct_Solids	0.0
DUP_OF:		DUP_OF:	

Parameter	Result	Val Qual	Qual Code
ALUMINUM	366	J	D
ANTIMONY	1.3	U	A
ARSENIC	2.2	U	A
BARIUM	119		
BERYLLIUM	0.12	U	
CADMIUM	0.1	U	
CALCIUM	93400		
CHROMIUM	7.2		
COBALT	5.3		
COPPER	11.2	U	A
IRON	624		
LEAD	0.92		
MAGNESIUM	8260		
MANGANESE	1190		
MERCURY	0.01	U	
NICKEL	7.3		
POTASSIUM	11200		
SELENIUM	2.3	U	A
SILVER	0.46	U	
SODIUM	43500		
THALLIUM	1.1	U	A
VANADIUM	1.9	U	A
ZINC	6.9	U	A

Parameter	Result	Val Qual	Qual Code
ALUMINUM	494	J	D
ANTIMONY	0.87	U	
ARSENIC	0.97	U	A
BARIUM	96		
BERYLLIUM	0.12	U	
CADMIUM	0.1	U	
CALCIUM	90700		
CHROMIUM	330		
COBALT	9.3		
COPPER	15.9	U	A
IRON	2080		
LEAD	1.6		
MAGNESIUM	8240		
MANGANESE	1120		
MERCURY	0.01	U	
NICKEL	174		
POTASSIUM	26800		
SELENIUM	1.7	U	A
SILVER	0.46	U	
SODIUM	58700		
THALLIUM	0.71	U	
VANADIUM	3.7		
ZINC	7.9	U	A

Tetra Tech NUS **INTERNAL CORRESPONDENCE**

TO: **MR. G. WALKER** **DATE:** **AUGUST 20, 2007**

FROM: **EDWARD SEDLMYER** **COPIES:** **DV FILE**

SUBJECT: **ORGANIC DATA VALIDATION- VOA/EDB/SVOC/PCB/TPH**
CTO 029, SAUFLEY
SDG CTO29-1

SAMPLES: 12/Aqueous

OLFS4-MW37-0607	OLFS4-MW37-0607-D	OLFS4-MW38-0607
OLFS4-MW39-0607	OLFS4-MW40-0607	OLFS4-MW41-0607
OLFS4-MW42-0607	OLFS4-MW43-0607	OLFS4-MW44-0607
OLFS4-MW45-0607	OLFS4-MW46-0607	TRIP BLANK

OVERVIEW

The sample set for CTO 029, Saufley, SDG CTO29-1 consists of one (1) trip blank and eleven (11) aqueous environmental samples. The following field duplicate pair was associated with this SDG: OLFS4-MW37-0607 / OLFS4-MW37-0607-D. The samples were analyzed for volatile organic compounds (VOCs), 1,2-dibromoethane (EDB), semivolatile organic compounds (SVOCs), polychlorinated biphenyls (PCBs), and total petroleum hydrocarbons (TPH). The trip blank was analyzed for VOCs only.

The samples were collected by TetraTech NUS on June 12, 13, and 14, 2007 and analyzed by Empirical Laboratories. All analyses were conducted in accordance with SW-846 Methods 8260B, 8270C, 8082, EPA Method 504.1, and FL-PRO analysis and reporting protocols. The data contained in this SDG were validated with regard to the following parameters:

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

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

Volatiles

The following compound was detected in the trip blank at the maximum concentration listed below:

Compound	Maximum Concentration	Blank Action Level
Methylene chloride	0.5 ug/L	5 ug/L

An action level of 10X the maximum contaminant concentration was established to evaluate laboratory contamination for methylene chloride. Dilution factors and sample aliquots were taken into consideration during the application of all action levels. No qualification of the data was necessary because methylene chloride was not detected in any samples.

Initial calibration relative response factors (RRFs) were less than the 0.05 quality control limit for acetonitrile, 1,4-dioxane, and isobutanol on instrument GCMS-S, on 06/22/07. Only non-detected results were reported for the aforementioned compounds and these were rejected (UR) in all samples, except OLFS4-MW37-0607, OLFS4-MW37-0607-D, OLFS4-MW39-0607, and OLFS4-MW40-0607 because these samples were not associated with this initial calibration.

Calibration verification RRFs were less than the 0.05 quality control limit for acetonitrile, 1,4-dioxane and isobutanol on instrument GCMS-S, on 06/25/07, @09:26. No action was taken on this basis because only quality control (QC) samples were associated with this continuing calibration and QC samples are not qualified.

Continuing calibration analyzed on instrument GCMS-S on 06/25/07 @09:26 had percent differences (%Ds) greater than the 25% quality control limit for chloroethane and 1,2-dibromo-3-chloropropane. No action was taken on this basis because only QC samples were associated with this continuing calibration and QC samples are not qualified.

Calibration verification RRFs were less than the 0.05 quality control limit for acetonitrile, 1,4-dioxane, and isobutanol on instrument GCMS-S, on 06/25/07, @06:38. The non-detected results for the aforementioned compounds were rejected (UR), in the affected samples.

Continuing calibration analyzed on instrument GCMS-S on 06/26/07 @06:38 had percent differences (%Ds) greater than the 25% quality control limit for 1,2-dibromo-3-chloropropane, acrolein, acrylonitrile, propionitrile, ethyl methacrylate, methacrylonitrile, methyl methacrylate, trans-1,4-dichloro-2-butene, and methyl acetate. The non-detected results for the aforementioned compounds in the affected samples were qualified as estimated, (UJ).

Initial calibration relative response factors (RRFs) were less than the 0.05 quality control limit for 1,4-dioxane, isobutanol, and propionitrile on instrument GCMS-T, on 06/19/07. Only non-detected results were reported for the aforementioned compounds and these were rejected (UR) in samples OLFS4-MW37-0607, OLFS4-MW37-0607-D, OLFS4-MW39-0607, and OLFS4-MW40-0607.

An initial calibration analyzed on instrument GCMS-T on 06/19/07 had a relative standard deviation (%RSD) greater than the 30% quality control limit for trichlorofluoromethane. Only non-detected results were reported for this compound and these were qualified as estimated (UJ) in samples OLFS4-MW37-0607, OLFS4-MW37-0607-D, OLFS4-MW39-0607, and OLFS4-MW40-0607.

Calibration verification RRFs were less than the 0.05 quality control limit for 1,4-dioxane, isobutanol, and propionitrile on instrument GCMS-T, on 06/23/07, @21:37. The non-detected results for the aforementioned compounds were rejected (UR), in the affected samples.

A continuing calibration analyzed on instrument GCMS-T, on 06/23/07, @21:37 had %Ds greater than the 25% quality control limit for dichlorodifluoromethane, 4-methyl-2-pentanone, and 2-hexanone. The non-detected results for the aforementioned compounds were qualified as estimated (UJ) in the affected samples.

The laboratory control sample (LCS) associated with batch WG40398 had percent recoveries greater than the quality control limit for dichlorodifluoromethane and iodomethane. No action was taken on this basis because the results for dichlorodifluoromethane and iodomethane were nondetected in the associated samples.

The laboratory control sample (LCS) associated with batch WG40451 had a percent recovery greater than the quality control limit for vinyl acetate. No action was taken on this basis because the results for vinyl acetate were nondetected in the associated samples.

The laboratory control sample (LCS) associated with batch WG40493 had percent recoveries greater than the quality control limit for vinyl acetate, 1,2-dibromo-3-chloropropane, naphthalene, and 1,2,3-trichlorobenzene. No action was taken on this basis because the results for the aforementioned compounds were nondetected in the associated samples.

The matrix spike / matrix spike duplicate (MS/MSD) performed on sample OLFS4-MW40-0607 had percent recoveries greater than the quality control limit for 1,2-dibromo-3-chloropropane and 1,4-dioxane. No action was taken on this basis because the aforementioned compounds were not detected in sample OLFS4-MW40-0607.

Acetone was not detected in any laboratory method blanks or in the trip blank but it was detected in all samples except sample OLFS4-MW41-0607 and the trip blank. Despite the absence of acetone in the associated blanks, this compound is a common laboratory contaminant and is suspected to be an artifact of the analytical procedure. Therefore, positive acetone results in all samples were qualified as estimated, J.

Semivolatiles

Hexachlorophene was included in the laboratories calibration standard mixtures but was not detected in any standards. The non-detected results for hexachlorophene were rejected (UR) in all samples.

Initial calibration analyzed on instrument GCMS-U on 06/04/07 had a %RSD greater than the 30% quality control limit for a,a-dimethylphenethylamine, p-phenylenediamine, and 4-nitroquinoline-1-oxide. Only non-detected results for p-phenylenediamine reported and these results were qualified as estimated (UJ) in all samples. The non-detected results for 4-nitroquinoline-1-oxide and p-phenylenediamine, a,a-dimethylphenethylamine were rejected (UR) due to continuing calibration RRF noncomplinaces and/or laboratory control sample noncompliances respectively.

Calibration verification RRFs were less than the 0.05 quality control limit for p-phenylenediamine, 4-nitroquinoline-1-oxide and 3-nitroaniline on instrument GCMS-U, on 06/25/07, @09:58. The non-detected results for the aforementioned compounds were rejected (UR), in the affected samples.

Continuing calibration analyzed on instrument GCMS-U on 06/25/07 @09:58 had %Ds greater than the 25% quality control limit for methpyrilene, aramite, 3,3'-dimethylbenzidine, aniline, bis(2-chloroethyl)ether, 4-chloroaniline, 2,4-dinitrophenol, 4-nitrophenol, 4-nitroaniline, 3,3'-dichlorobenzidine, and bis(2-ethylhexyl)phthalate. The non-detected results for all of the aforementioned compounds, except aramite, were qualified as estimated (UJ), in the affected samples. Aramite was qualified due to a more severe laboratory control sample noncompliance.

Calibration verification RRFs were less than the 0.05 quality control limit for 4-nitroquinoline-1-oxide, and 3-nitroaniline on instrument GCMS-U, on 06/26/07, @10:38. The non-detected results for the aforementioned compounds were rejected (UR), in the affected samples.

Continuing calibration analyzed on instrument GCMS-U on 06/26/07 @10:38 had %Ds greater than the 25% quality control limit for methpyrilene, aramite, chlorobenzilate, 3,3'-dimethylbenzidine, bis(2-chloroethyl)ether, 4-chloroaniline, 2,4-dinitrophenol, 4-nitrophenol, 4-nitroaniline, carbazole, butylbenzylphthalate, 3,3'-dichlorobenzidine, bis(2-ethylhexyl)phthalate, and di-n-octylphthalate. The non-detected results for all of the aforementioned compounds, except aramite, were qualified as estimated (UJ), in the affected samples. Aramite was qualified due to a more severe laboratory control sample noncompliance.

The surrogates 2-fluorophenol and nitrobenzene-d5 had percent recoveries less than the quality control limit for sample OLFS4-MW37-0607-D. No action was taken on this basis because only one surrogate per fraction was outside of control limits.

The surrogates 2-fluorophenol and 2,4,6-tribromophenol had percent recoveries less than the quality control limit for sample OLFS4-MW38-0607. The nondetected acid compounds were qualified as estimated (UJ) in sample OLFS4-MW38-0607.

The MS/MSD performed on sample OLFS4-MW40-0607 had percent recoveries greater than the quality control limit for 2-naphthylamine, N-nitrosodiphenylamine, 3,3'-dimethylbenzidine, and 3,3'-dichlorobenzidine. The compounds benzaldehyde and 1,4-naphthoquinone had low recoveries. No action was taken on this basis because the aforementioned compounds were not detected in sample OLFS4-MW40-0607.

The MS/MSD performed on sample OLFS4-MW40-0607 had zero percent recoveries for a,a-dimethylphenethylamine, p-phenylenediamine, aramite, and hexachlorophene. The nondetected results for the aforementioned compounds have been rejected (UR) in sample OLFS4-MW40-0607.

The LCS associated with batch WG40233 had percent recoveries greater than the quality control limit for 2-naphthylamine, N-nitrosodiphenylamine, 3,3'-dimethylbenzidine, 3,3'-dichlorobenzidine, and bis(2-ethylhexyl)phthalate. No action was taken on this basis because the aforementioned compounds were not detected in any associated samples.

The LCS associated with batch WG40233 had zero percent recovery for a,a-dimethylphenethylamine, 1,4-naphthoquinone, aramite, p-phenylenediamine, and hexachlorophene. The nondetected results for the aforementioned compounds were qualified in all samples except OLFS4-MW42-0607, OLFS4-MW43-0607, and OLFS4-MW44-0607.

The LCS associated with batch WG40249 had percent recoveries greater than the quality control limit for 2-naphthylamine, N-nitrosodiphenylamine, 4-aminobiphenyl, methapyrilene, 3,3'-dimethylbenzidine, and 3,3'-dichlorobenzidine. The compound dimethoate had a low recovery and nondetected results in the associated samples were qualified as estimated, (UJ). No action was taken on this basis because the aforementioned compounds were not detected in any associated samples.

The LCS associated with batch WG40249 had zero percent recovery for a,a-dimethylphenethylamine, 1,4-naphthoquinone, aramite, p-phenylenediamine, and hexachlorophene. The nondetected results for the aforementioned compounds were qualified in samples OLFS4-MW42-0607, OLFS4-MW43-0607, and OLFS4-MW44-0607.

PCBs

Calibration verification %Ds exceeded the 15% quality control limit for several individual Aroclor-1016 and Aroclor-1260 peaks for the primary and secondary columns on instrument GC06, on 06/20/07, at 18:36. The average percent difference (%D) of the peaks was less than the 15% quality control limit on the primary column. No action was taken on this basis because only QC samples were associated with this continuing calibration.

Calibration verification %Ds exceeded the 15% quality control limit for several individual Aroclor-1016 and Aroclor-1260 peaks for the primary and secondary columns on instrument GC06, on 06/28/07, at 13:10. The average percent difference (%D) of the peaks was less than the 15% quality control limit on the primary and secondary columns. No action was taken on this basis because no PCBs were detected in the associated samples.

Calibration verification %Ds exceeded the 15% quality control limit for all individual Aroclor-1260 peaks for the primary column on instrument GC06, on 06/29/07, at 04:00. The average percent difference (%D) of the Aroclor-1260 peaks was less than the 15% quality control limit on the secondary column. No action was taken on this basis because no PCBs were detected in the associated samples.

Florida-PRO

The MS/MSD performed on sample OLFS4-MW40-0607 had percent recoveries greater than the quality control limit for TPH. No action was taken on this basis because TPH was not detected in sample OLFS4-MW40-0607.

The surrogate o-terphenyl had a percent recovery greater than the quality control limit for sample OLFS4-MW44-0607. The positive result has been qualified as estimated (J) for sample OLFS4-MW44-0607.

Continuing calibration %Ds exceeded the 25% quality control limit for the C-38 and C-40 peaks on instrument GC12, on 06/29/07, at 04:47. No action was taken on this basis because the average percent difference was less than the 25% quality control limit.

EDB

The surrogate tetrachloro-m-xylene had percent recoveries greater than the quality control limit on the primary and confirmation columns for samples OLFS4-MW37-0607, OLFS4-MW38-0607, OLFS4-MW40-0607, OLFS4-MW41-0607, OLFS4-MW43-0607, OLFS4-MW44-0607, OLFS4-MW45-0607, and OLFS4-MW46-0607. No action was taken on this basis because EDB was not detected in the associated samples.

The surrogate tetrachloro-m-xylene had percent recoveries greater than the quality control limit on the primary column for samples OLFS4-MW39-0607 and OLFS4-MW42-0607. No action was taken on this basis because EDB was not detected in the associated samples.

The MS/MSD performed on sample OLFS4-MW40-0607 had a percent recovery less than the quality control limit for EDB in the MSD. No action was taken on this basis because the MS had an acceptable recovery.

Additional Comments:

Positive results less than the reporting limit (RL) were qualified as estimated "J", due to uncertainty near the detection limit.

The compound EDB was reported in both the VOC and EDB fractions. No action was taken on this basis.

EXECUTIVE SUMMARY

Laboratory Performance Issues: Qualifications were made on initial and continuing calibration of several VOC and SVOC compounds that failed to comply with quality control criteria (%RSDs, %Ds, and RRFs). The VOC and SVOC fractions had several LCS non-compliances.

Other Factors Affecting Data Quality: The VOC, SVOC, TPH, and EDB fractions had matrix spike non-compliances. The SVOC, TPH, and EDB fractions had surrogate non-compliances.

The data for these analyses were reviewed with reference to the EPA Functional Guidelines for Organic Data Validation (October 1999), and the Department of Defense (DoD) document entitled "Quality Systems Manual (QSM) for Environmental Laboratories" (January 2006). The text of this report has been formulated to address only those problem areas affecting data quality.

"I attest that the data referenced herein were validated according to the agreed upon validation criteria as specified in the DoD QSM."

Tetra Tech NUS

Edward Sedlmyer
Chemist/Data Validator

Tetra Tech 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

PROJ_NO: 00389

SDG: CTO29-1 MEDIA: WATER DATA FRACTION: OV

nsample	OLFS4-MW37-0607	nsample	OLFS4-MW37-0607	nsample	OLFS4-MW37-0607
samp_date	6/12/2007	samp_date	6/12/2007	samp_date	6/12/2007
lab_id	SA3013-3	lab_id	SA3013-3	lab_id	SA3013-3
qc_type	NM	qc_type	NM	qc_type	NM
units	UG/L	units	UG/L	units	UG/L
Pct_Solids	0.0	Pct_Solids	0.0	Pct_Solids	0.0
DUP_OF:		DUP_OF:		DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1,1,2-TETRACHLOROETHANE	0.5	U	
1,1,1-TRICHLOROETHANE	0.4	U	
1,1,2,2-TETRACHLOROETHANE	0.5	U	
1,1,2-TRICHLOROETHANE	0.4	U	
1,1,2-TRICHLOROTRIFLUOROETHANE	0.4	U	
1,1-DICHLOROETHANE	0.4	U	
1,1-DICHLOROETHENE	0.4	U	
1,2,3-TRICHLOROPROPANE	0.4	U	
1,2,4-TRICHLOROBENZENE	0.3	U	
1,2-DIBROMO-3-CHLOROPROPANE	0.7	U	
1,2-DIBROMOETHANE	0.3	U	
1,2-DICHLOROBENZENE	0.4	U	
1,2-DICHLOROETHANE	0.3	U	
1,2-DICHLOROPROPANE	0.5	U	
1,3-DICHLOROBENZENE	0.4	U	
1,4-DICHLOROBENZENE	0.5	U	
1,4-DIOXANE	12	UR	C
2-BUTANONE	2	U	
2-HEXANONE	1	UJ	C
3-CHLOROPROPENE	0.5	U	
4-METHYL-2-PENTANONE	2	UJ	C
ACETONE	6	J	A
ACETONITRILE	16	UR	C
ACROLEIN	3	U	
ACRYLONITRILE	2	U	
BENZENE	0.4	U	
BROMODICHLOROMETHANE	0.3	U	
BROMOFORM	0.3	U	
BROMOMETHANE	0.9	U	
CARBON DISULFIDE	0.5	U	
CARBON TETRACHLORIDE	0.4	U	
CHLOROBENZENE	0.4	U	

Parameter	Result	Val Qual	Qual Code
CHLORODIBROMOMETHANE	0.3	U	
CHLOROETHANE	0.5	U	
CHLOROFORM	0.4	U	
CHLOROMETHANE	0.6	U	
CHLOROPRENE	0.3	U	
CIS-1,2-DICHLOROETHENE	0.3	U	
CIS-1,3-DICHLOROPROPENE	0.4	U	
CYCLOHEXANE	0.6	U	
DIBROMOMETHANE	0.4	U	
DICHLORODIFLUOROMETHANE	0.4	UJ	C
ETHYL METHACRYLATE	0.3	U	
ETHYLBENZENE	0.4	U	
ISOBUTANOL	10	UR	C
ISOPROPYLBENZENE	0.5	U	
M+P-XYLENES	1	U	
METHACRYLONITRILE	3	U	
METHYL ACETATE	0.9	U	
METHYL CYCLOHEXANE	0.3	U	
METHYL IODIDE	0.4	U	
METHYL METHACRYLATE	0.3	U	
METHYL TERT-BUTYL ETHER	0.6	U	
METHYLENE CHLORIDE	0.4	U	
O-XYLENE	0.4	U	
PENTACHLOROETHANE	0.3	U	
PROPIONITRILE	5	UR	C
STYRENE	0.3	U	
TETRACHLOROETHENE	0.5	U	
TOLUENE	0.3	U	
TOTAL XYLENES	1	U	
TRANS-1,2-DICHLOROETHENE	0.5	U	
TRANS-1,3-DICHLOROPROPENE	0.2	U	
TRANS-1,4-DICHLORO-2-BUTENE	0.5	U	

Parameter	Result	Val Qual	Qual Code
TRICHLOROETHENE	0.5	U	
TRICHLOROFLUOROMETHANE	0.4	UJ	C
VINYL ACETATE	0.4	U	
VINYL CHLORIDE	0.4	U	

PROJ_NO: 00389

SDG: CTO29-1 MEDIA: WATER DATA FRACTION: OV

nsample	OLFS4-MW37-0607-D
samp_date	6/12/2007
lab_id	SA3013-5
qc_type	NM
units	UG/L
Pct_Solids	0.0
DUP_OF:	OLFS4-MW37-0607

Parameter	Result	Val Qual	Qual Code
1,1,1,2-TETRACHLOROETHANE	0.5	U	
1,1,1-TRICHLOROETHANE	0.4	U	
1,1,2,2-TETRACHLOROETHANE	0.5	U	
1,1,2-TRICHLOROETHANE	0.4	U	
1,1,2-TRICHLOROTRIFLUOROETHANE	0.4	U	
1,1-DICHLOROETHANE	0.4	U	
1,1-DICHLOROETHENE	0.4	U	
1,2,3-TRICHLOROPROPANE	0.4	U	
1,2,4-TRICHLOROBENZENE	0.3	U	
1,2-DIBROMO-3-CHLOROPROPANE	0.7	U	
1,2-DIBROMOETHANE	0.3	U	
1,2-DICHLOROBENZENE	0.4	U	
1,2-DICHLOROETHANE	0.3	U	
1,2-DICHLOROPROPANE	0.5	U	
1,3-DICHLOROBENZENE	0.4	U	
1,4-DICHLOROBENZENE	0.5	U	
1,4-DIOXANE	12	UR	C
2-BUTANONE	2	U	
2-HEXANONE	1	UJ	C
3-CHLOROPROPENE	0.5	U	
4-METHYL-2-PENTANONE	2	UJ	C
ACETONE	8	J	A
ACETONITRILE	16	UR	C
ACROLEIN	3	U	
ACRYLONITRILE	2	U	
BENZENE	0.4	U	
BROMODICHLOROMETHANE	0.3	U	
BROMOFORM	0.3	U	
BROMOMETHANE	0.9	U	
CARBON DISULFIDE	0.5	U	
CARBON TETRACHLORIDE	0.4	U	
CHLOROBENZENE	0.4	U	

nsample	OLFS4-MW37-0607-D
samp_date	6/12/2007
lab_id	SA3013-5
qc_type	NM
units	UG/L
Pct_Solids	0.0
DUP_OF:	OLFS4-MW37-0607

Parameter	Result	Val Qual	Qual Code
CHLORODIBROMOMETHANE	0.3	U	
CHLOROETHANE	0.5	U	
CHLOROFORM	0.4	U	
CHLOROMETHANE	0.6	U	
CHLOROPRENE	0.3	U	
CIS-1,2-DICHLOROETHENE	0.3	U	
CIS-1,3-DICHLOROPROPENE	0.4	U	
CYCLOHEXANE	0.6	U	
DIBROMOMETHANE	0.4	U	
DICHLORODIFLUOROMETHANE	0.4	UJ	C
ETHYL METHACRYLATE	0.3	U	
ETHYLBENZENE	0.4	U	
ISOBUTANOL	10	UR	C
ISOPROPYLBENZENE	0.5	U	
M+P-XYLENES	1	U	
METHACRYLONITRILE	3	U	
METHYL ACETATE	0.9	U	
METHYL CYCLOHEXANE	0.3	U	
METHYL IODIDE	0.4	U	
METHYL METHACRYLATE	0.3	U	
METHYL TERT-BUTYL ETHER	0.6	U	
METHYLENE CHLORIDE	0.4	U	
O-XYLENE	0.4	U	
PENTACHLOROETHANE	0.3	U	
PROPIONITRILE	5	UR	C
STYRENE	0.3	U	
TETRACHLOROETHENE	0.5	U	
TOLUENE	0.3	U	
TOTAL XYLENES	1	U	
TRANS-1,2-DICHLOROETHENE	0.5	U	
TRANS-1,3-DICHLOROPROPENE	0.2	U	
TRANS-1,4-DICHLORO-2-BUTENE	0.5	U	

nsample	OLFS4-MW37-0607-D
samp_date	6/12/2007
lab_id	SA3013-5
qc_type	NM
units	UG/L
Pct_Solids	0.0
DUP_OF:	OLFS4-MW37-0607

Parameter	Result	Val Qual	Qual Code
TRICHLOROETHENE	0.5	U	
TRICHLOROFLUOROMETHANE	0.4	UJ	C
VINYL ACETATE	0.4	U	
VINYL CHLORIDE	0.4	U	

PROJ_NO: 00389

SDG: CTO29-1 MEDIA: WATER DATA FRACTION: OV

nsample	OLFS4-MW38-0607
samp_date	6/13/2007
lab_id	SA3013-9
qc_type	NM
units	UG/L
Pct_Solids	0.0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1,1,2-TETRACHLOROETHANE	0.5	U	
1,1,1-TRICHLOROETHANE	0.4	U	
1,1,2,2-TETRACHLOROETHANE	0.5	U	
1,1,2-TRICHLOROETHANE	0.4	U	
1,1,2-TRICHLOROTRIFLUOROETHANE	0.4	U	
1,1-DICHLOROETHANE	0.4	U	
1,1-DICHLOROETHENE	0.4	U	
1,2,3-TRICHLOROPROPANE	0.4	U	
1,2,4-TRICHLOROBENZENE	0.3	U	
1,2-DIBROMO-3-CHLOROPROPANE	0.7	UJ	C
1,2-DIBROMOETHANE	0.3	U	
1,2-DICHLOROBENZENE	0.4	U	
1,2-DICHLOROETHANE	0.3	U	
1,2-DICHLOROPROPANE	0.5	U	
1,3-DICHLOROBENZENE	0.4	U	
1,4-DICHLOROBENZENE	0.5	U	
1,4-DIOXANE	12	UR	C
2-BUTANONE	4	J	C
2-HEXANONE	1	U	
3-CHLOROPROPENE	0.5	U	
4-METHYL-2-PENTANONE	2	U	
ACETONE	5	J	AP
ACETONITRILE	16	UR	C
ACROLEIN	3	UJ	C
ACRYLONITRILE	2	UJ	C
BENZENE	1		
BROMODICHLOROMETHANE	0.3	U	
BROMOFORM	0.3	U	
BROMOMETHANE	0.9	U	
CARBON DISULFIDE	0.5	U	
CARBON TETRACHLORIDE	0.4	U	
CHLOROBENZENE	0.4	U	

nsample	OLFS4-MW38-0607
samp_date	6/13/2007
lab_id	SA3013-9
qc_type	NM
units	UG/L
Pct_Solids	0.0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
CHLORODIBROMOMETHANE	0.3	U	
CHLOROETHANE	0.5	U	
CHLOROFORM	0.7	J	P
CHLOROMETHANE	0.6	U	
CHLOROPRENE	0.3	U	
CIS-1,2-DICHLOROETHENE	0.3	U	
CIS-1,3-DICHLOROPROPENE	0.4	U	
CYCLOHEXANE	0.6	U	
DIBROMOMETHANE	0.4	U	
DICHLORODIFLUOROMETHANE	0.4	U	
ETHYL METHACRYLATE	0.3	UJ	C
ETHYLBENZENE	0.4	U	
ISOBUTANOL	10	UR	C
ISOPROPYLBENZENE	0.5	U	
M+P-XYLENES	1	U	
METHACRYLONITRILE	3	UJ	C
METHYL ACETATE	0.9	UJ	C
METHYL CYCLOHEXANE	0.3	U	
METHYL IODIDE	0.4	U	
METHYL METHACRYLATE	0.3	UJ	C
METHYL TERT-BUTYL ETHER	0.6	U	
METHYLENE CHLORIDE	0.4	U	
O-XYLENE	0.4	U	
PENTACHLOROETHANE	0.3	U	
PROPIONITRILE	5	UJ	C
STYRENE	0.3	U	
TETRACHLOROETHENE	0.5	U	
TOLUENE	0.3	U	
TOTAL XYLENES	1	U	
TRANS-1,2-DICHLOROETHENE	0.5	U	
TRANS-1,3-DICHLOROPROPENE	0.2	U	
TRANS-1,4-DICHLORO-2-BUTENE	0.5	UJ	C

nsample	OLFS4-MW38-0607
samp_date	6/13/2007
lab_id	SA3013-9
qc_type	NM
units	UG/L
Pct_Solids	0.0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TRICHLOROETHENE	0.5	U	
TRICHLOROFLUOROMETHANE	0.4	U	
VINYL ACETATE	0.4	U	
VINYL CHLORIDE	0.4	U	

PROJ_NO: 00389

SDG: CTO29-1 MEDIA: WATER DATA FRACTION: OV

nsample	OLFS4-MW39-0607
samp_date	6/12/2007
lab_id	SA3013-7
qc_type	NM
units	UG/L
Pct_Solids	0.0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1,1,2-TETRACHLOROETHANE	0.5	U	
1,1,1-TRICHLOROETHANE	0.4	U	
1,1,2,2-TETRACHLOROETHANE	0.5	U	
1,1,2-TRICHLOROETHANE	0.4	U	
1,1,2-TRICHLOROTRIFLUOROETHANE	0.4	U	
1,1-DICHLOROETHANE	0.4	U	
1,1-DICHLOROETHENE	0.4	U	
1,2,3-TRICHLOROPROPANE	0.4	U	
1,2,4-TRICHLOROBENZENE	0.3	U	
1,2-DIBROMO-3-CHLOROPROPANE	0.7	U	
1,2-DIBROMOETHANE	0.3	U	
1,2-DICHLOROBENZENE	0.4	U	
1,2-DICHLOROETHANE	0.3	U	
1,2-DICHLOROPROPANE	0.5	U	
1,3-DICHLOROBENZENE	0.4	U	
1,4-DICHLOROBENZENE	0.5	U	
1,4-DIOXANE	12	UR	C
2-BUTANONE	2	U	
2-HEXANONE	1	UJ	C
3-CHLOROPROPENE	0.5	U	
4-METHYL-2-PENTANONE	2	UJ	C
ACETONE	4	J	AP
ACETONITRILE	16	UR	C
ACROLEIN	3	U	
ACRYLONITRILE	2	U	
BENZENE	0.4	U	
BROMODICHLOROMETHANE	0.6	J	P
BROMOFORM	0.4	J	P
BROMOMETHANE	0.9	U	
CARBON DISULFIDE	0.5	U	
CARBON TETRACHLORIDE	0.4	U	
CHLOROBENZENE	0.4	U	

nsample	OLFS4-MW39-0607
samp_date	6/12/2007
lab_id	SA3013-7
qc_type	NM
units	UG/L
Pct_Solids	0.0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
CHLORODIBROMOMETHANE	0.5	J	P
CHLOROETHANE	0.5	U	
CHLOROFORM	3		
CHLOROMETHANE	0.6	U	
CHLOROPRENE	0.3	U	
CIS-1,2-DICHLOROETHENE	0.3	U	
CIS-1,3-DICHLOROPROPENE	0.4	U	
CYCLOHEXANE	0.6	U	
DIBROMOMETHANE	0.4	U	
DICHLORODIFLUOROMETHANE	0.4	UJ	C
ETHYL METHACRYLATE	0.3	U	
ETHYLBENZENE	0.4	U	
ISOBUTANOL	10	UR	C
ISOPROPYLBENZENE	0.5	U	
M+P-XYLENES	1	U	
METHACRYLONITRILE	3	U	
METHYL ACETATE	0.9	U	
METHYL CYCLOHEXANE	0.3	U	
METHYL IODIDE	0.4	U	
METHYL METHACRYLATE	0.3	U	
METHYL TERT-BUTYL ETHER	0.6	U	
METHYLENE CHLORIDE	0.4	U	
O-XYLENE	0.4	U	
PENTACHLOROETHANE	0.3	U	
PROPIONITRILE	5	UR	C
STYRENE	0.3	U	
TETRACHLOROETHENE	0.5	U	
TOLUENE	0.3	U	
TOTAL XYLENES	1	U	
TRANS-1,2-DICHLOROETHENE	0.5	U	
TRANS-1,3-DICHLOROPROPENE	0.2	U	
TRANS-1,4-DICHLORO-2-BUTENE	0.5	U	

nsample	OLFS4-MW39-0607
samp_date	6/12/2007
lab_id	SA3013-7
qc_type	NM
units	UG/L
Pct_Solids	0.0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TRICHLOROETHENE	0.5	U	
TRICHLOROFLUOROMETHANE	0.4	UJ	C
VINYL ACETATE	0.4	U	
VINYL CHLORIDE	0.4	U	

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SDG: CTO29-1 MEDIA: WATER DATA FRACTION: OV

nsample	OLFS4-MW40-0607
samp_date	6/12/2007
lab_id	SA3013-1
qc_type	NM
units	UG/L
Pct_Solids	0.0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1,1,2-TETRACHLOROETHANE	0.5	U	
1,1,1-TRICHLOROETHANE	0.4	U	
1,1,2,2-TETRACHLOROETHANE	0.5	U	
1,1,2-TRICHLOROETHANE	0.4	U	
1,1,2-TRICHLOROTRIFLUOROETHANE	0.4	U	
1,1-DICHLOROETHANE	0.4	U	
1,1-DICHLOROETHENE	0.4	U	
1,2,3-TRICHLOROPROPANE	0.4	U	
1,2,4-TRICHLOROBENZENE	0.3	U	
1,2-DIBROMO-3-CHLOROPROPANE	0.7	U	
1,2-DIBROMOETHANE	0.3	U	
1,2-DICHLOROBENZENE	0.4	U	
1,2-DICHLOROETHANE	0.3	U	
1,2-DICHLOROPROPANE	0.5	U	
1,3-DICHLOROBENZENE	0.4	U	
1,4-DICHLOROBENZENE	0.5	U	
1,4-DIOXANE	12	UR	C
2-BUTANONE	2	U	
2-HEXANONE	1	UJ	C
3-CHLOROPROPENE	0.5	U	
4-METHYL-2-PENTANONE	2	UJ	C
ACETONE	4	J	AP
ACETONITRILE	16	UR	C
ACROLEIN	3	U	
ACRYLONITRILE	2	U	
BENZENE	0.4	U	
BROMODICHLOROMETHANE	0.3	U	
BROMOFORM	0.3	U	
BROMOMETHANE	0.9	U	
CARBON DISULFIDE	0.5	U	
CARBON TETRACHLORIDE	0.4	U	
CHLOROBENZENE	0.4	U	

nsample	OLFS4-MW40-0607
samp_date	6/12/2007
lab_id	SA3013-1
qc_type	NM
units	UG/L
Pct_Solids	0.0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
CHLORODIBROMOMETHANE	0.3	U	
CHLOROETHANE	0.5	U	
CHLOROFORM	0.4	U	
CHLOROMETHANE	0.6	U	
CHLOROPRENE	0.3	U	
CIS-1,2-DICHLOROETHENE	0.3	U	
CIS-1,3-DICHLOROPROPENE	0.4	U	
CYCLOHEXANE	0.6	U	
DIBROMOMETHANE	0.4	U	
DICHLORODIFLUOROMETHANE	0.4	UJ	C
ETHYL METHACRYLATE	0.3	U	
ETHYLBENZENE	0.4	U	
ISOBUTANOL	10	UR	C
ISOPROPYLBENZENE	0.5	U	
M+P-XYLENES	1	U	
METHACRYLONITRILE	3	U	
METHYL ACETATE	0.9	U	
METHYL CYCLOHEXANE	0.3	U	
METHYL IODIDE	0.4	U	
METHYL METHACRYLATE	0.3	U	
METHYL TERT-BUTYL ETHER	0.6	U	
METHYLENE CHLORIDE	0.4	U	
O-XYLENE	0.4	U	
PENTACHLOROETHANE	0.3	U	
PROPIONITRILE	5	UR	C
STYRENE	0.3	U	
TETRACHLOROETHENE	0.5	U	
TOLUENE	0.3	U	
TOTAL XYLENES	1	U	
TRANS-1,2-DICHLOROETHENE	0.5	U	
TRANS-1,3-DICHLOROPROPENE	0.2	U	
TRANS-1,4-DICHLORO-2-BUTENE	0.5	U	

nsample	OLFS4-MW40-0607
samp_date	6/12/2007
lab_id	SA3013-1
qc_type	NM
units	UG/L
Pct_Solids	0.0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TRICHLOROETHENE	0.5	U	
TRICHLOROFLUOROMETHANE	0.4	UJ	C
VINYL ACETATE	0.4	U	
VINYL CHLORIDE	0.4	U	

PROJ_NO: 00389

SDG: CTO29-1 MEDIA: WATER DATA FRACTION: OV

nsample	OLFS4-MW41-0607
samp_date	6/13/2007
lab_id	SA3013-11
qc_type	NM
units	UG/L
Pct_Solids	0.0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1,1,2-TETRACHLOROETHANE	0.5	U	
1,1,1-TRICHLOROETHANE	0.4	U	
1,1,2,2-TETRACHLOROETHANE	0.5	U	
1,1,2-TRICHLOROETHANE	0.4	U	
1,1,2-TRICHLOROTRIFLUOROETHANE	0.4	U	
1,1-DICHLOROETHANE	0.4	U	
1,1-DICHLOROETHENE	0.4	U	
1,2,3-TRICHLOROPROPANE	0.4	U	
1,2,4-TRICHLOROBENZENE	0.3	U	
1,2-DIBROMO-3-CHLOROPROPANE	0.7	UJ	C
1,2-DIBROMOETHANE	0.3	U	
1,2-DICHLOROBENZENE	0.4	U	
1,2-DICHLOROETHANE	0.3	U	
1,2-DICHLOROPROPANE	0.5	U	
1,3-DICHLOROBENZENE	0.4	U	
1,4-DICHLOROBENZENE	0.5	U	
1,4-DIOXANE	12	UR	C
2-BUTANONE	2	U	
2-HEXANONE	1	U	
3-CHLOROPROPENE	0.5	U	
4-METHYL-2-PENTANONE	2	U	
ACETONE	3	U	
ACETONITRILE	16	UR	C
ACROLEIN	3	UJ	C
ACRYLONITRILE	2	UJ	C
BENZENE	0.4	U	
BROMODICHLOROMETHANE	0.3	U	
BROMOFORM	0.3	U	
BROMOMETHANE	0.9	U	
CARBON DISULFIDE	0.5	U	
CARBON TETRACHLORIDE	0.4	U	
CHLOROBENZENE	0.4	U	

nsample	OLFS4-MW41-0607
samp_date	6/13/2007
lab_id	SA3013-11
qc_type	NM
units	UG/L
Pct_Solids	0.0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
CHLORODIBROMOMETHANE	0.3	U	
CHLOROETHANE	0.5	U	
CHLOROFORM	0.4	U	
CHLOROMETHANE	0.6	U	
CHLOROPRENE	0.3	U	
CIS-1,2-DICHLOROETHENE	0.3	U	
CIS-1,3-DICHLOROPROPENE	0.4	U	
CYCLOHEXANE	0.6	U	
DIBROMOMETHANE	0.4	U	
DICHLORODIFLUOROMETHANE	0.4	U	
ETHYL METHACRYLATE	0.3	UJ	C
ETHYLBENZENE	0.4	U	
ISOBUTANOL	10	UR	C
ISOPROPYLBENZENE	0.5	U	
M+P-XYLENES	1	U	
METHACRYLONITRILE	3	UJ	C
METHYL ACETATE	0.9	UJ	C
METHYL CYCLOHEXANE	0.3	U	
METHYL IODIDE	0.4	U	
METHYL METHACRYLATE	0.3	UJ	C
METHYL TERT-BUTYL ETHER	0.6	U	
METHYLENE CHLORIDE	0.4	U	
O-XYLENE	0.4	U	
PENTACHLOROETHANE	0.3	U	
PROPIONITRILE	5	UJ	C
STYRENE	0.3	U	
TETRACHLOROETHENE	0.5	U	
TOLUENE	0.3	U	
TOTAL XYLENES	1	U	
TRANS-1,2-DICHLOROETHENE	0.5	U	
TRANS-1,3-DICHLOROPROPENE	0.2	U	
TRANS-1,4-DICHLORO-2-BUTENE	0.5	UJ	C

nsample	OLFS4-MW41-0607
samp_date	6/13/2007
lab_id	SA3013-11
qc_type	NM
units	UG/L
Pct_Solids	0.0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TRICHLOROETHENE	0.5	U	
TRICHLOROFLUOROMETHANE	0.4	U	
VINYL ACETATE	0.4	U	
VINYL CHLORIDE	0.4	U	

PROJ_NO: 00389

SDG: CTO29-1 MEDIA: WATER DATA FRACTION: OV

nsample	OLFS4-MW42-0607	nsample	OLFS4-MW42-0607	nsample	OLFS4-MW42-0607
samp_date	6/14/2007	samp_date	6/14/2007	samp_date	6/14/2007
lab_id	SA3013-19	lab_id	SA3013-19	lab_id	SA3013-19
qc_type	NM	qc_type	NM	qc_type	NM
units	UG/L	units	UG/L	units	UG/L
Pct_Solids	0.0	Pct_Solids	0.0	Pct_Solids	0.0
DUP_OF:		DUP_OF:		DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1,1,2-TETRACHLOROETHANE	0.5	U	
1,1,1-TRICHLOROETHANE	0.4	U	
1,1,2,2-TETRACHLOROETHANE	0.5	U	
1,1,2-TRICHLOROETHANE	0.4	U	
1,1,2-TRICHLOROTRIFLUOROETHANE	0.4	U	
1,1-DICHLOROETHANE	0.4	U	
1,1-DICHLOROETHENE	0.4	U	
1,2,3-TRICHLOROPROPANE	0.4	U	
1,2,4-TRICHLOROBENZENE	0.3	U	
1,2-DIBROMO-3-CHLOROPROPANE	0.7	UJ	C
1,2-DIBROMOETHANE	0.3	U	
1,2-DICHLOROBENZENE	0.4	U	
1,2-DICHLOROETHANE	0.3	U	
1,2-DICHLOROPROPANE	0.5	U	
1,3-DICHLOROBENZENE	0.4	U	
1,4-DICHLOROBENZENE	0.5	U	
1,4-DIOXANE	12	UR	C
2-BUTANONE	2	U	
2-HEXANONE	1	U	
3-CHLOROPROPENE	0.5	U	
4-METHYL-2-PENTANONE	2	U	
ACETONE	3	J	AP
ACETONITRILE	16	UR	C
ACROLEIN	3	UJ	C
ACRYLONITRILE	2	UJ	C
BENZENE	0.4	U	
BROMODICHLOROMETHANE	0.3	U	
BROMOFORM	0.3	U	
BROMOMETHANE	0.9	U	
CARBON DISULFIDE	0.5	U	
CARBON TETRACHLORIDE	0.4	U	
CHLOROBENZENE	0.4	U	

Parameter	Result	Val Qual	Qual Code
CHLORODIBROMOMETHANE	0.3	U	
CHLOROETHANE	0.5	U	
CHLOROFORM	0.4	U	
CHLOROMETHANE	0.6	U	
CHLOROPRENE	0.3	U	
CIS-1,2-DICHLOROETHENE	0.3	U	
CIS-1,3-DICHLOROPROPENE	0.4	U	
CYCLOHEXANE	0.6	U	
DIBROMOMETHANE	0.4	U	
DICHLORODIFLUOROMETHANE	0.4	U	
ETHYL METHACRYLATE	0.3	UJ	C
ETHYLBENZENE	0.4	U	
ISOBUTANOL	10	UR	C
ISOPROPYLBENZENE	0.5	U	
M+P-XYLENES	1	U	
METHACRYLONITRILE	3	UJ	C
METHYL ACETATE	0.9	UJ	C
METHYL CYCLOHEXANE	0.3	U	
METHYL IODIDE	0.4	U	
METHYL METHACRYLATE	0.3	UJ	C
METHYL TERT-BUTYL ETHER	0.6	U	
METHYLENE CHLORIDE	0.4	U	
O-XYLENE	0.4	U	
PENTACHLOROETHANE	0.3	U	
PROPIONITRILE	5	UJ	C
STYRENE	0.3	U	
TETRACHLOROETHENE	0.5	U	
TOLUENE	0.3	U	
TOTAL XYLENES	1	U	
TRANS-1,2-DICHLOROETHENE	0.5	U	
TRANS-1,3-DICHLOROPROPENE	0.2	U	
TRANS-1,4-DICHLORO-2-BUTENE	0.5	UJ	C

Parameter	Result	Val Qual	Qual Code
TRICHLOROETHENE	0.5	U	
TRICHLOROFLUOROMETHANE	0.4	U	
VINYL ACETATE	0.4	U	
VINYL CHLORIDE	0.4	U	

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SDG: CTO29-1 MEDIA: WATER DATA FRACTION: OV

nsample	OLFS4-MW43-0607		nsample	OLFS4-MW43-0607		nsample	OLFS4-MW43-0607	
samp_date	6/14/2007		samp_date	6/14/2007		samp_date	6/14/2007	
lab_id	SA3013-21		lab_id	SA3013-21		lab_id	SA3013-21	
qc_type	NM		qc_type	NM		qc_type	NM	
units	UG/L		units	UG/L		units	UG/L	
Pct_Solids	0.0		Pct_Solids	0.0		Pct_Solids	0.0	
DUP_OF:			DUP_OF:			DUP_OF:		

Parameter	Result	Val Qual	Qual Code
1,1,1,2-TETRACHLOROETHANE	0.5	U	
1,1,1-TRICHLOROETHANE	0.4	U	
1,1,2,2-TETRACHLOROETHANE	0.5	U	
1,1,2-TRICHLOROETHANE	0.4	U	
1,1,2-TRICHLOROTRIFLUOROETHANE	0.4	U	
1,1-DICHLOROETHANE	0.4	U	
1,1-DICHLOROETHENE	0.4	U	
1,2,3-TRICHLOROPROPANE	0.4	U	
1,2,4-TRICHLOROBENZENE	0.3	U	
1,2-DIBROMO-3-CHLOROPROPANE	0.7	UJ	C
1,2-DIBROMOETHANE	0.3	U	
1,2-DICHLOROBENZENE	0.4	U	
1,2-DICHLOROETHANE	0.3	U	
1,2-DICHLOROPROPANE	0.5	U	
1,3-DICHLOROBENZENE	0.4	U	
1,4-DICHLOROBENZENE	0.5	U	
1,4-DIOXANE	12	UR	C
2-BUTANONE	2	U	
2-HEXANONE	1	U	
3-CHLOROPROPENE	0.5	U	
4-METHYL-2-PENTANONE	2	U	
ACETONE	7	J	A
ACETONITRILE	16	UR	C
ACROLEIN	3	UJ	C
ACRYLONITRILE	2	UJ	C
BENZENE	0.4	U	
BROMODICHLOROMETHANE	0.3	U	
BROMOFORM	0.3	U	
BROMOMETHANE	0.9	U	
CARBON DISULFIDE	0.5	U	
CARBON TETRACHLORIDE	0.4	U	
CHLOROBENZENE	0.4	U	

Parameter	Result	Val Qual	Qual Code
CHLORODIBROMOMETHANE	0.3	U	
CHLOROETHANE	0.5	U	
CHLOROFORM	0.4	U	
CHLOROMETHANE	0.6	U	
CHLOROPRENE	0.3	U	
CIS-1,2-DICHLOROETHENE	0.3	U	
CIS-1,3-DICHLOROPROPENE	0.4	U	
CYCLOHEXANE	0.6	U	
DIBROMOMETHANE	0.4	U	
DICHLORODIFLUOROMETHANE	0.4	U	
ETHYL METHACRYLATE	0.3	UJ	C
ETHYLBENZENE	0.4	U	
ISOBUTANOL	10	UR	C
ISOPROPYLBENZENE	0.5	U	
M+P-XYLENES	1	U	
METHACRYLONITRILE	3	UJ	C
METHYL ACETATE	0.9	UJ	C
METHYL CYCLOHEXANE	0.3	U	
METHYL IODIDE	0.4	U	
METHYL METHACRYLATE	0.3	UJ	C
METHYL TERT-BUTYL ETHER	0.6	U	
METHYLENE CHLORIDE	0.4	U	
O-XYLENE	0.4	U	
PENTACHLOROETHANE	0.3	U	
PROPIONITRILE	5	UJ	C
STYRENE	0.3	U	
TETRACHLOROETHENE	0.5	U	
TOLUENE	0.3	U	
TOTAL XYLENES	1	U	
TRANS-1,2-DICHLOROETHENE	0.5	U	
TRANS-1,3-DICHLOROPROPENE	0.2	U	
TRANS-1,4-DICHLORO-2-BUTENE	0.5	UJ	C

Parameter	Result	Val Qual	Qual Code
TRICHLOROETHENE	0.5	U	
TRICHLOROFLUOROMETHANE	0.4	U	
VINYL ACETATE	0.4	U	
VINYL CHLORIDE	0.4	U	

PROJ_NO: 00389

SDG: CTO29-1 MEDIA: WATER DATA FRACTION: OV

nsample	OLFS4-MW44-0607	nsample	OLFS4-MW44-0607	nsample	OLFS4-MW44-0607
samp_date	6/13/2007	samp_date	6/13/2007	samp_date	6/13/2007
lab_id	SA3013-17	lab_id	SA3013-17	lab_id	SA3013-17
qc_type	NM	qc_type	NM	qc_type	NM
units	UG/L	units	UG/L	units	UG/L
Pct_Solids	0.0	Pct_Solids	0.0	Pct_Solids	0.0
DUP_OF:		DUP_OF:		DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1,1,2-TETRACHLOROETHANE	0.5	U	
1,1,1-TRICHLOROETHANE	0.4	U	
1,1,2,2-TETRACHLOROETHANE	0.5	U	
1,1,2-TRICHLOROETHANE	0.4	U	
1,1,2-TRICHLOROTRIFLUOROETHANE	0.4	U	
1,1-DICHLOROETHANE	0.4	U	
1,1-DICHLOROETHENE	0.4	U	
1,2,3-TRICHLOROPROPANE	0.4	U	
1,2,4-TRICHLOROBENZENE	0.3	U	
1,2-DIBROMO-3-CHLOROPROPANE	0.7	UJ	C
1,2-DIBROMOETHANE	0.3	U	
1,2-DICHLOROBENZENE	0.4	U	
1,2-DICHLOROETHANE	0.3	U	
1,2-DICHLOROPROPANE	0.5	U	
1,3-DICHLOROBENZENE	0.4	U	
1,4-DICHLOROBENZENE	0.5	U	
1,4-DIOXANE	12	UR	C
2-BUTANONE	2	U	
2-HEXANONE	1	U	
3-CHLOROPROPENE	0.5	U	
4-METHYL-2-PENTANONE	2	U	
ACETONE	6	J	A
ACETONITRILE	16	UR	C
ACROLEIN	3	UJ	C
ACRYLONITRILE	2	UJ	C
BENZENE	0.4	U	
BROMODICHLOROMETHANE	0.3	U	
BROMOFORM	0.3	U	
BROMOMETHANE	0.9	U	
CARBON DISULFIDE	0.5	U	
CARBON TETRACHLORIDE	0.4	U	
CHLOROBENZENE	0.4	U	

Parameter	Result	Val Qual	Qual Code
CHLORODIBROMOMETHANE	0.3	U	
CHLOROETHANE	0.5	U	
CHLOROFORM	0.8	J	P
CHLOROMETHANE	0.6	U	
CHLOROPRENE	0.3	U	
CIS-1,2-DICHLOROETHENE	0.3	U	
CIS-1,3-DICHLOROPROPENE	0.4	U	
CYCLOHEXANE	0.6	U	
DIBROMOMETHANE	0.4	U	
DICHLORODIFLUOROMETHANE	0.4	U	
ETHYL METHACRYLATE	0.3	UJ	C
ETHYLBENZENE	0.4	U	
ISOBUTANOL	10	UR	C
ISOPROPYLBENZENE	0.5	U	
M+P-XYLENES	1	U	
METHACRYLONITRILE	3	UJ	C
METHYL ACETATE	0.9	UJ	C
METHYL CYCLOHEXANE	0.3	U	
METHYL IODIDE	0.4	U	
METHYL METHACRYLATE	0.3	UJ	C
METHYL TERT-BUTYL ETHER	0.6	U	
METHYLENE CHLORIDE	0.4	U	
O-XYLENE	0.4	U	
PENTACHLOROETHANE	0.3	U	
PROPIONITRILE	5	UJ	C
STYRENE	0.3	U	
TETRACHLOROETHENE	0.5	U	
TOLUENE	0.3	U	
TOTAL XYLENES	1	U	
TRANS-1,2-DICHLOROETHENE	0.5	U	
TRANS-1,3-DICHLOROPROPENE	0.2	U	
TRANS-1,4-DICHLORO-2-BUTENE	0.5	UJ	C

Parameter	Result	Val Qual	Qual Code
TRICHLOROETHENE	0.5	U	
TRICHLOROFLUOROMETHANE	0.4	U	
VINYL ACETATE	0.4	U	
VINYL CHLORIDE	0.4	U	

PROJ_NO: 00389

SDG: CTO29-1 MEDIA: WATER DATA FRACTION: OV

nsample	OLFS4-MW45-0607	nsample	OLFS4-MW45-0607	nsample	OLFS4-MW45-0607
samp_date	6/13/2007	samp_date	6/13/2007	samp_date	6/13/2007
lab_id	SA3013-13	lab_id	SA3013-13	lab_id	SA3013-13
qc_type	NM	qc_type	NM	qc_type	NM
units	UG/L	units	UG/L	units	UG/L
Pct_Solids	0.0	Pct_Solids	0.0	Pct_Solids	0.0
DUP_OF:		DUP_OF:		DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1,1,2-TETRACHLOROETHANE	0.5	U	
1,1,1-TRICHLOROETHANE	0.4	U	
1,1,2,2-TETRACHLOROETHANE	0.5	U	
1,1,2-TRICHLOROETHANE	0.4	U	
1,1,2-TRICHLOROTRIFLUOROETHANE	0.4	U	
1,1-DICHLOROETHANE	0.4	U	
1,1-DICHLOROETHENE	0.4	U	
1,2,3-TRICHLOROPROPANE	0.4	U	
1,2,4-TRICHLOROBENZENE	0.3	U	
1,2-DIBROMO-3-CHLOROPROPANE	0.7	UJ	C
1,2-DIBROMOETHANE	0.3	U	
1,2-DICHLOROBENZENE	0.4	U	
1,2-DICHLOROETHANE	0.3	U	
1,2-DICHLOROPROPANE	0.5	U	
1,3-DICHLOROBENZENE	0.4	U	
1,4-DICHLOROBENZENE	0.5	U	
1,4-DIOXANE	12	UR	C
2-BUTANONE	2	U	
2-HEXANONE	1	U	
3-CHLOROPROPENE	0.5	U	
4-METHYL-2-PENTANONE	2	U	
ACETONE	10	J	A
ACETONITRILE	16	UR	C
ACROLEIN	3	UJ	C
ACRYLONITRILE	2	UJ	C
BENZENE	0.4	U	
BROMODICHLOROMETHANE	0.3	U	
BROMOFORM	0.3	U	
BROMOMETHANE	0.9	U	
CARBON DISULFIDE	0.5	U	
CARBON TETRACHLORIDE	0.4	U	
CHLOROBENZENE	0.4	U	

Parameter	Result	Val Qual	Qual Code
CHLORODIBROMOMETHANE	0.3	U	
CHLOROETHANE	0.5	U	
CHLOROFORM	0.4	U	
CHLOROMETHANE	0.6	U	
CHLOROPRENE	0.3	U	
CIS-1,2-DICHLOROETHENE	0.3	U	
CIS-1,3-DICHLOROPROPENE	0.4	U	
CYCLOHEXANE	0.6	U	
DIBROMOMETHANE	0.4	U	
DICHLORODIFLUOROMETHANE	0.4	U	
ETHYL METHACRYLATE	0.3	UJ	C
ETHYLBENZENE	0.4	U	
ISOBUTANOL	10	UR	C
ISOPROPYLBENZENE	0.5	U	
M+P-XYLENES	1	U	
METHACRYLONITRILE	3	UJ	C
METHYL ACETATE	0.9	UJ	C
METHYL CYCLOHEXANE	0.3	U	
METHYL IODIDE	0.4	U	
METHYL METHACRYLATE	0.3	UJ	C
METHYL TERT-BUTYL ETHER	0.6	U	
METHYLENE CHLORIDE	0.4	U	
O-XYLENE	0.4	U	
PENTACHLOROETHANE	0.3	U	
PROPIONITRILE	5	UJ	C
STYRENE	0.3	U	
TETRACHLOROETHENE	0.5	U	
TOLUENE	0.3	U	
TOTAL XYLENES	1	U	
TRANS-1,2-DICHLOROETHENE	0.5	U	
TRANS-1,3-DICHLOROPROPENE	0.2	U	
TRANS-1,4-DICHLORO-2-BUTENE	0.5	UJ	C

Parameter	Result	Val Qual	Qual Code
TRICHLOROETHENE	0.5	U	
TRICHLOROFLUOROMETHANE	0.4	U	
VINYL ACETATE	0.4	U	
VINYL CHLORIDE	0.4	U	

PROJ_NO: 00389

SDG: CTO29-1 MEDIA: WATER DATA FRACTION: OV

nsample	OLFS4-MW46-0607	nsample	OLFS4-MW46-0607	nsample	OLFS4-MW46-0607
samp_date	6/13/2007	samp_date	6/13/2007	samp_date	6/13/2007
lab_id	SA3013-15	lab_id	SA3013-15	lab_id	SA3013-15
qc_type	NM	qc_type	NM	qc_type	NM
units	UG/L	units	UG/L	units	UG/L
Pct_Solids	0.0	Pct_Solids	0.0	Pct_Solids	0.0
DUP_OF:		DUP_OF:		DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1,1,2-TETRACHLOROETHANE	0.5	U	
1,1,1-TRICHLOROETHANE	0.4	U	
1,1,2,2-TETRACHLOROETHANE	0.5	U	
1,1,2-TRICHLOROETHANE	0.4	U	
1,1,2-TRICHLOROTRIFLUOROETHANE	0.4	U	
1,1-DICHLOROETHANE	0.4	U	
1,1-DICHLOROETHENE	0.4	U	
1,2,3-TRICHLOROPROPANE	0.4	U	
1,2,4-TRICHLOROBENZENE	0.3	U	
1,2-DIBROMO-3-CHLOROPROPANE	0.7	UJ	C
1,2-DIBROMOETHANE	0.3	U	
1,2-DICHLOROBENZENE	0.4	U	
1,2-DICHLOROETHANE	0.3	U	
1,2-DICHLOROPROPANE	0.5	U	
1,3-DICHLOROBENZENE	0.4	U	
1,4-DICHLOROBENZENE	0.5	U	
1,4-DIOXANE	12	UR	C
2-BUTANONE	2	U	
2-HEXANONE	1	U	
3-CHLOROPROPENE	0.5	U	
4-METHYL-2-PENTANONE	2	U	
ACETONE	22	J	A
ACETONITRILE	16	UR	C
ACROLEIN	3	UJ	C
ACRYLONITRILE	2	UJ	C
BENZENE	0.4	U	
BROMODICHLOROMETHANE	0.3	U	
BROMOFORM	0.3	U	
BROMOMETHANE	0.9	U	
CARBON DISULFIDE	0.5	U	
CARBON TETRACHLORIDE	0.4	U	
CHLOROBENZENE	0.4	U	

Parameter	Result	Val Qual	Qual Code
CHLORODIBROMOMETHANE	0.3	U	
CHLOROETHANE	0.5	U	
CHLOROFORM	0.4	J	P
CHLOROMETHANE	0.6	U	
CHLOROPRENE	0.3	U	
CIS-1,2-DICHLOROETHENE	0.3	U	
CIS-1,3-DICHLOROPROPENE	0.4	U	
CYCLOHEXANE	0.6	U	
DIBROMOMETHANE	0.4	U	
DICHLORODIFLUOROMETHANE	0.4	U	
ETHYL METHACRYLATE	0.3	UJ	C
ETHYLBENZENE	0.4	U	
ISOBUTANOL	10	UR	C
ISOPROPYLBENZENE	0.5	U	
M+P-XYLENES	1	U	
METHACRYLONITRILE	3	UJ	C
METHYL ACETATE	0.9	UJ	C
METHYL CYCLOHEXANE	0.3	U	
METHYL IODIDE	0.4	U	
METHYL METHACRYLATE	0.3	UJ	C
METHYL TERT-BUTYL ETHER	0.6	U	
METHYLENE CHLORIDE	0.4	U	
O-XYLENE	0.4	U	
PENTACHLOROETHANE	0.3	U	
PROPIONITRILE	5	UJ	C
STYRENE	0.3	U	
TETRACHLOROETHENE	0.5	U	
TOLUENE	0.3	U	
TOTAL XYLENES	1	U	
TRANS-1,2-DICHLOROETHENE	0.5	U	
TRANS-1,3-DICHLOROPROPENE	0.2	U	
TRANS-1,4-DICHLORO-2-BUTENE	0.5	UJ	C

Parameter	Result	Val Qual	Qual Code
TRICHLOROETHENE	0.5	U	
TRICHLOROFLUOROMETHANE	0.4	U	
VINYL ACETATE	0.4	U	
VINYL CHLORIDE	0.4	U	

PROJ_NO: 00389

SDG: CTO29-1 MEDIA: WATER DATA FRACTION: OV

nsample	TRIP BLANK
samp_date	6/14/2007
lab_id	SA3013-23
qc_type	NM
units	UG/L
Pct_Solids	0.0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1,1,2-TETRACHLOROETHANE	0.5	U	
1,1,1-TRICHLOROETHANE	0.4	U	
1,1,2,2-TETRACHLOROETHANE	0.5	U	
1,1,2-TRICHLOROETHANE	0.4	U	
1,1,2-TRICHLOROTRIFLUOROETHANE	0.4	U	
1,1-DICHLOROETHANE	0.4	U	
1,1-DICHLOROETHENE	0.4	U	
1,2,3-TRICHLOROPROPANE	0.4	U	
1,2,4-TRICHLOROBENZENE	0.3	U	
1,2-DIBROMO-3-CHLOROPROPANE	0.7	UJ	C
1,2-DIBROMOETHANE	0.3	U	
1,2-DICHLOROBENZENE	0.4	U	
1,2-DICHLOROETHANE	0.3	U	
1,2-DICHLOROPROPANE	0.5	U	
1,3-DICHLOROBENZENE	0.4	U	
1,4-DICHLOROBENZENE	0.5	U	
1,4-DIOXANE	12	UR	C
2-BUTANONE	2	U	
2-HEXANONE	1	U	
3-CHLOROPROPENE	0.5	U	
4-METHYL-2-PENTANONE	2	U	
ACETONE	3	U	
ACETONITRILE	16	UR	C
ACROLEIN	3	UJ	C
ACRYLONITRILE	2	UJ	C
BENZENE	0.4	U	
BROMODICHLOROMETHANE	0.3	U	
BROMOFORM	0.3	U	
BROMOMETHANE	0.9	U	
CARBON DISULFIDE	0.5	U	
CARBON TETRACHLORIDE	0.4	U	
CHLOROBENZENE	0.4	U	

nsample	TRIP BLANK
samp_date	6/14/2007
lab_id	SA3013-23
qc_type	NM
units	UG/L
Pct_Solids	0.0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
CHLORODIBROMOMETHANE	0.3	U	
CHLOROETHANE	0.5	U	
CHLOROFORM	0.4	U	
CHLOROMETHANE	0.6	U	
CHLOROPRENE	0.3	U	
CIS-1,2-DICHLOROETHENE	0.3	U	
CIS-1,3-DICHLOROPROPENE	0.4	U	
CYCLOHEXANE	0.6	U	
DIBROMOMETHANE	0.4	U	
DICHLORODIFLUOROMETHANE	0.4	U	
ETHYL METHACRYLATE	0.3	UJ	C
ETHYLBENZENE	0.4	U	
ISOBUTANOL	10	UR	C
ISOPROPYLBENZENE	0.5	U	
M+P-XYLENES	1	U	
METHACRYLONITRILE	3	UJ	C
METHYL ACETATE	0.9	UJ	C
METHYL CYCLOHEXANE	0.3	U	
METHYL IODIDE	0.4	U	
METHYL METHACRYLATE	0.3	UJ	C
METHYL TERT-BUTYL ETHER	0.6	U	
METHYLENE CHLORIDE	0.5	J	P
O-XYLENE	0.4	U	
PENTACHLOROETHANE	0.3	U	
PROPIONITRILE	5	UJ	C
STYRENE	0.3	U	
TETRACHLOROETHENE	0.5	U	
TOLUENE	0.3	U	
TOTAL XYLENES	1	U	
TRANS-1,2-DICHLOROETHENE	0.5	U	
TRANS-1,3-DICHLOROPROPENE	0.2	U	
TRANS-1,4-DICHLORO-2-BUTENE	0.5	UJ	C

nsample	TRIP BLANK
samp_date	6/14/2007
lab_id	SA3013-23
qc_type	NM
units	UG/L
Pct_Solids	0.0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TRICHLOROETHENE	0.5	U	
TRICHLOROFLUOROMETHANE	0.4	U	
VINYL ACETATE	0.4	U	
VINYL CHLORIDE	0.4	U	

PROJ_NO: 00389

SDG: CTO29-1 MEDIA: WATER DATA FRACTION: OS

nsample	OLFS4-MW37-0607		nsample	OLFS4-MW37-0607		nsample	OLFS4-MW37-0607	
samp_date	6/12/2007		samp_date	6/12/2007		samp_date	6/12/2007	
lab_id	SA3013-3		lab_id	SA3013-3		lab_id	SA3013-3	
qc_type	NM		qc_type	NM		qc_type	NM	
units	UG/L		units	UG/L		units	UG/L	
Pct_Solids	0.0		Pct_Solids	0.0		Pct_Solids	0.0	
DUP_OF:			DUP_OF:			DUP_OF:		

Parameter	Result	Val Qual	Qual Code
1,1-BIPHENYL	3	U	
1,2,4,5-TETRACHLOROBENZENE	4	U	
1,2,4-TRICHLOROBENZENE	2	U	
1,3,5-TRINITROBENZENE	6	U	
1,3-DINITROBENZENE	5	U	
1,4-NAPHTHOQUINONE	4	UR	E
1,4-PHENYLENEDIAMINE	5	UR	CE
1-NAPHTHYLAMINE	3	U	
2,2'-OXYBIS(1-CHLOROPROPANE)	4	U	
2,3,4,6-TETRACHLOROPHENOL	6	U	
2,4,5-TRICHLOROPHENOL	7	U	
2,4,6-TRICHLOROPHENOL	7	U	
2,4-DICHLOROPHENOL	7	U	
2,4-DIMETHYLPHENOL	7	U	
2,4-DINITROPHENOL	23	UJ	C
2,4-DINITROTOLUENE	4	U	
2,6-DICHLOROPHENOL	8	U	
2,6-DINITROTOLUENE	4	U	
2-ACETYLAMINOFLUORENE	5	U	
2-CHLORONAPHTHALENE	3	U	
2-CHLOROPHENOL	9	U	
2-METHYLNAPHTHALENE	4	U	
2-METHYLPHENOL	8	U	
2-NAPHTHYLAMINE	4	U	
2-NITROANILINE	3	U	
2-NITROPHENOL	7	U	
2-PICOLINE	3	U	
3&4-METHYLPHENOL	9	U	
3,3'-DICHLOROBENZIDINE	4	UJ	C
3,3'-DIMETHYLBENZIDINE	6	UJ	C
3-METHYLCHOLANTHRENE	7	U	
3-NITROANILINE	4	UR	C

Parameter	Result	Val Qual	Qual Code
4,6-DINITRO-2-METHYLPHENOL	11	U	
4-AMINOBIPHENYL	4	U	
4-BROMOPHENYL PHENYL ETHER	3	U	
4-CHLORO-3-METHYLPHENOL	10	U	
4-CHLOROANILINE	5	UJ	C
4-CHLOROPHENYL PHENYL ETHER	4	U	
4-NITROANILINE	5	UJ	C
4-NITROPHENOL	16	UJ	C
4-NITROQUINOLINE-1-OXIDE	10	UR	C
5-NITRO-O-TOLUIDINE	5	U	
7,12-DIMETHYLBENZ(A)ANTHRACENE	4	U	
A,A-DIMETHYLPHENETHYLAMINE	16	UR	E
ACENAPHTHENE	3	U	
ACENAPHTHYLENE	3	U	
ACETOPHENONE	5	U	
ANILINE	6	U	
ANTHRACENE	3	U	
ARAMITE	8	UR	E
ATRAZINE	5	U	
BENZALDEHYDE	5	U	
BENZO(A)ANTHRACENE	3	U	
BENZO(A)PYRENE	3	U	
BENZO(B)FLUORANTHENE	4	U	
BENZO(G,H,I)PERYLENE	8	U	
BENZO(K)FLUORANTHENE	5	U	
BENZYL ALCOHOL	9	U	
BIS(2-CHLOROETHOXY)METHANE	4	U	
BIS(2-CHLOROETHYL)ETHER	4	UJ	C
BIS(2-ETHYLHEXYL)PHTHALATE	8	UJ	C
BUTYL BENZYL PHTHALATE	6	UJ	C
CAPROLACTAM	9	U	
CARBAZOLE	4	UJ	C

Parameter	Result	Val Qual	Qual Code
CHLOROBENZILATE	8	UJ	C
CHRYSENE	3	U	
DIALLATE	5	U	
DIBENZO(A,H)ANTHRACENE	8	U	
DIBENZOFURAN	3	U	
DIETHYL PHTHALATE	4	U	
DIMETHOATE	8	U	
DIMETHYL PHTHALATE	4	U	
DI-N-BUTYL PHTHALATE	7	U	
DI-N-OCTYL PHTHALATE	5	UJ	C
ETHYL METHANE SULFONATE	7	U	
FLUORANTHENE	8	U	
FLUORENE	3	U	
HEXACHLOROBENZENE	3	U	
HEXACHLOROBUTADIENE	2	U	
HEXACHLOROCYCLOPENTADIENE	3	U	
HEXACHLOROETHANE	3	U	
HEXACHLOROPHENE	5	UR	CE
HEXACHLOROPROPENE	3	U	
INDENO(1,2,3-CD)PYRENE	7	U	
ISODRIN	4	U	
ISOPHORONE	3	U	
ISOSAFROLE	5	U	
METHAPYRILENE	9	UJ	C
METHYL METHANE SULFONATE	7	U	
NAPHTHALENE	3	U	
NITROBENZENE	2	U	
N-NITROSODIETHYLAMINE	4	U	
N-NITROSODIMETHYLAMINE	5	U	
N-NITROSO-DI-N-BUTYLAMINE	8	U	
N-NITROSO-DI-N-PROPYLAMINE	4	U	
N-NITROSODIPHENYLAMINE	5	U	

PROJ_NO: 00389

SDG: CTO29-1 MEDIA: WATER DATA FRACTION: OS

nsample	OLFS4-MW37-0607
samp_date	6/12/2007
lab_id	SA3013-3
qc_type	NM
units	UG/L
Pct_Solids	0.0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
N-NITROSOMETHYLETHYLAMINE	6	U	
N-NITROSOMORPHOLINE	4	U	
N-NITROSOPIPERIDINE	3	U	
N-NITROSOPYRROLIDINE	6	U	
O,O,O-TRIETHYL PHOSPHOROTHIOATE	3	U	
O-TOLUIDINE	10	U	
P-(DIMETHYLAMINO)AZOBENZENE	6	U	
PENTACHLOROBENZENE	3	U	
PENTACHLORONITROBENZENE	4	U	
PENTACHLOROPHENOL	17	U	
PHENACETIN	6	U	
PHENANTHRENE	3	U	
PHENOL	9	U	
PRONAMIDE	5	U	
PYRENE	7	U	
PYRIDINE	2	U	
SAFROLE	3	U	

nsample	OLFS4-MW37-0607-D
samp_date	6/12/2007
lab_id	SA3013-5
qc_type	NM
units	UG/L
Pct_Solids	0.0
DUP_OF:	OLFS4-MW37-0607

Parameter	Result	Val Qual	Qual Code
1,1-BIPHENYL	3	U	
1,2,4,5-TETRACHLOROBENZENE	4	U	
1,2,4-TRICHLOROBENZENE	2	U	
1,3,5-TRINITROBENZENE	6	U	
1,3-DINITROBENZENE	5	U	
1,4-NAPHTHOQUINONE	4	UR	E
1,4-PHENYLENEDIAMINE	5	UR	CE
1-NAPHTHYLAMINE	3	U	
2,2'-OXYBIS(1-CHLOROPROPANE)	3	U	
2,3,4,6-TETRACHLOROPHENOL	6	U	
2,4,5-TRICHLOROPHENOL	7	U	
2,4,6-TRICHLOROPHENOL	7	U	
2,4-DICHLOROPHENOL	7	U	
2,4-DIMETHYLPHENOL	7	U	
2,4-DINITROPHENOL	22	UJ	C
2,4-DINITROTOLUENE	4	U	
2,6-DICHLOROPHENOL	8	U	
2,6-DINITROTOLUENE	4	U	
2-ACETYLAMINOFLUORENE	4	U	
2-CHLORONAPHTHALENE	3	U	
2-CHLOROPHENOL	8	U	
2-METHYLNAPHTHALENE	4	U	
2-METHYLPHENOL	8	U	
2-NAPHTHYLAMINE	4	U	
2-NITROANILINE	3	U	
2-NITROPHENOL	7	U	
2-PICOLINE	3	U	
3&4-METHYLPHENOL	8	U	
3,3'-DICHLOROBENZIDINE	4	UJ	C
3,3'-DIMETHYLBENZIDINE	6	UJ	C
3-METHYLCHOLANTHRENE	6	U	
3-NITROANILINE	4	UR	C

nsample	OLFS4-MW37-0607-D
samp_date	6/12/2007
lab_id	SA3013-5
qc_type	NM
units	UG/L
Pct_Solids	0.0
DUP_OF:	OLFS4-MW37-0607

Parameter	Result	Val Qual	Qual Code
4,6-DINITRO-2-METHYLPHENOL	11	U	
4-AMINOBIPHENYL	4	U	
4-BROMOPHENYL PHENYL ETHER	3	U	
4-CHLORO-3-METHYLPHENOL	10	U	
4-CHLOROANILINE	5	UJ	C
4-CHLOROPHENYL PHENYL ETHER	3	U	
4-NITROANILINE	5	UJ	C
4-NITROPHENOL	15	UJ	C
4-NITROQUINOLINE-1-OXIDE	10	UR	C
5-NITRO-O-TOLUIDINE	5	U	
7,12-DIMETHYLBENZ(A)ANTHRACENE	4	U	
A,A-DIMETHYLPHENETHYLAMINE	15	UR	E
ACENAPHTHENE	3	U	
ACENAPHTHYLENE	3	U	
ACETOPHENONE	5	U	
ANILINE	6	U	
ANTHRACENE	3	U	
ARAMITE	8	UR	E
ATRAZINE	5	U	
BENZALDEHYDE	5	U	
BENZO(A)ANTHRACENE	2	U	
BENZO(A)PYRENE	3	U	
BENZO(B)FLUORANTHENE	3	U	
BENZO(G,H,I)PERYLENE	8	U	
BENZO(K)FLUORANTHENE	5	U	
BENZYL ALCOHOL	9	U	
BIS(2-CHLOROETHOXY)METHANE	3	U	
BIS(2-CHLOROETHYL)ETHER	4	UJ	C
BIS(2-ETHYLHEXYL)PHTHALATE	8	UJ	C
BUTYL BENZYL PHTHALATE	6	UJ	C
CAPROLACTAM	9	U	
CARBAZOLE	4	UJ	C

PROJ_NO: 00389

SDG: CTO29-1 MEDIA: WATER DATA FRACTION: OS

nsample	OLFS4-MW37-0607-D
samp_date	6/12/2007
lab_id	SA3013-5
qc_type	NM
units	UG/L
Pct_Solids	0.0
DUP_OF:	OLFS4-MW37-0607

Parameter	Result	Val Qual	Qual Code
CHLOROBENZILATE	7	UJ	C
CHRYSENE	3	U	
DIALLATE	4	U	
DIBENZO(A,H)ANTHRACENE	7	U	
DIBENZOFURAN	3	U	
DIETHYL PHTHALATE	3	U	
DIMETHOATE	7	U	
DIMETHYL PHTHALATE	4	U	
DI-N-BUTYL PHTHALATE	7	U	
DI-N-OCTYL PHTHALATE	5	UJ	C
ETHYL METHANE SULFONATE	7	U	
FLUORANTHENE	8	U	
FLUORENE	3	U	
HEXACHLOROBENZENE	3	U	
HEXACHLOROBUTADIENE	2	U	
HEXACHLOROCYCLOPENTADIENE	2	U	
HEXACHLOROETHANE	3	U	
HEXACHLOROPHENE	5	UR	CE
HEXACHLOROPROPENE	3	U	
INDENO(1,2,3-CD)PYRENE	7	U	
ISODRIN	4	U	
ISOPHORONE	3	U	
ISOSAFROLE	5	U	
METHAPYRILENE	9	UJ	C
METHYL METHANE SULFONATE	7	U	
NAPHTHALENE	3	U	
NITROBENZENE	2	U	
N-NITROSODIETHYLAMINE	4	U	
N-NITROSODIMETHYLAMINE	5	U	
N-NITROSO-DI-N-BUTYLAMINE	8	U	
N-NITROSO-DI-N-PROPYLAMINE	4	U	
N-NITROSODIPHENYLAMINE	5	U	

nsample	OLFS4-MW37-0607-D
samp_date	6/12/2007
lab_id	SA3013-5
qc_type	NM
units	UG/L
Pct_Solids	0.0
DUP_OF:	OLFS4-MW37-0607

Parameter	Result	Val Qual	Qual Code
N-NITROSOMETHYLETHYLAMINE	5	U	
N-NITROSOMORPHOLINE	4	U	
N-NITROSOPIPERIDINE	3	U	
N-NITROSOPYRROLIDINE	6	U	
O,O,O-TRIETHYL PHOSPHOROTHIOATE	3	U	
O-TOLUIDINE	10	U	
P-(DIMETHYLAMINO)AZOBENZENE	6	U	
PENTACHLOROBENZENE	3	U	
PENTACHLORONITROBENZENE	4	U	
PENTACHLOROPHENOL	17	U	
PHENACETIN	6	U	
PHENANTHRENE	3	U	
PHENOL	8	U	
PRONAMIDE	5	U	
PYRENE	6	U	
PYRIDINE	2	U	
SAFROLE	3	U	

nsample	OLFS4-MW38-0607
samp_date	6/13/2007
lab_id	SA3013-9
qc_type	NM
units	UG/L
Pct_Solids	0.0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1-BIPHENYL	3	U	
1,2,4,5-TETRACHLOROBENZENE	4	U	
1,2,4-TRICHLOROBENZENE	2	U	
1,3,5-TRINITROBENZENE	6	U	
1,3-DINITROBENZENE	5	U	
1,4-NAPHTHOQUINONE	4	UR	E
1,4-PHENYLENEDIAMINE	5	UR	CE
1-NAPHTHYLAMINE	3	U	
2,2'-OXYBIS(1-CHLOROPROPANE)	3	U	
2,3,4,6-TETRACHLOROPHENOL	6	UJ	R
2,4,5-TRICHLOROPHENOL	7	UJ	R
2,4,6-TRICHLOROPHENOL	7	UJ	R
2,4-DICHLOROPHENOL	7	UJ	R
2,4-DIMETHYLPHENOL	7	UJ	R
2,4-DINITROPHENOL	22	UJ	CR
2,4-DINITROTOLUENE	4	U	
2,6-DICHLOROPHENOL	8	UJ	R
2,6-DINITROTOLUENE	4	U	
2-ACETYLAMINOFLUORENE	4	U	
2-CHLORONAPHTHALENE	3	U	
2-CHLOROPHENOL	8	UJ	R
2-METHYLNAPHTHALENE	4	U	
2-METHYLPHENOL	8	UJ	R
2-NAPHTHYLAMINE	4	U	
2-NITROANILINE	3	U	
2-NITROPHENOL	7	UJ	R
2-PICOLINE	3	U	
3&4-METHYLPHENOL	8	UJ	R
3,3'-DICHLOROBENZIDINE	4	UJ	C
3,3'-DIMETHYLBENZIDINE	6	UJ	C
3-METHYLCHOLANTHRENE	6	U	
3-NITROANILINE	4	UR	C

PROJ_NO: 00389

SDG: CTO29-1 MEDIA: WATER DATA FRACTION: OS

nsample	OLFS4-MW38-0607		nsample	OLFS4-MW38-0607		nsample	OLFS4-MW38-0607	
samp_date	6/13/2007		samp_date	6/13/2007		samp_date	6/13/2007	
lab_id	SA3013-9		lab_id	SA3013-9		lab_id	SA3013-9	
qc_type	NM		qc_type	NM		qc_type	NM	
units	UG/L		units	UG/L		units	UG/L	
Pct_Solids	0.0		Pct_Solids	0.0		Pct_Solids	0.0	
DUP_OF:			DUP_OF:			DUP_OF:		

Parameter	Result	Val Qual	Qual Code
4,6-DINITRO-2-METHYLPHENOL	11	UJ	R
4-AMINOBIPHENYL	4	U	
4-BROMOPHENYL PHENYL ETHER	3	U	
4-CHLORO-3-METHYLPHENOL	10	UJ	R
4-CHLOROANILINE	5	UJ	C
4-CHLOROPHENYL PHENYL ETHER	3	U	
4-NITROANILINE	5	UJ	C
4-NITROPHENOL	15	UJ	CR
4-NITROQUINOLINE-1-OXIDE	10	UR	C
5-NITRO-O-TOLUIDINE	5	U	
7,12-DIMETHYLBENZ(A)ANTHRACENE	4	U	
A,A-DIMETHYLPHENETHYLAMINE	15	UR	E
ACENAPHTHENE	3	U	
ACENAPHTHYLENE	3	U	
ACETOPHENONE	5	U	
ANILINE	6	U	
ANTHRACENE	3	U	
ARAMITE	8	UR	E
ATRAZINE	5	U	
BENZALDEHYDE	5	U	
BENZO(A)ANTHRACENE	2	U	
BENZO(A)PYRENE	3	U	
BENZO(B)FLUORANTHENE	3	U	
BENZO(G,H,I)PERYLENE	8	U	
BENZO(K)FLUORANTHENE	5	U	
BENZYL ALCOHOL	9	U	
BIS(2-CHLOROETHOXY)METHANE	3	U	
BIS(2-CHLOROETHYL)ETHER	4	UJ	C
BIS(2-ETHYLHEXYL)PHTHALATE	8	UJ	C
BUTYL BENZYL PHTHALATE	6	UJ	C
CAPROLACTAM	9	U	
CARBAZOLE	4	UJ	C

Parameter	Result	Val Qual	Qual Code
CHLOROBENZILATE	7	UJ	C
CHRYSENE	3	U	
DIALLATE	4	U	
DIBENZO(A,H)ANTHRACENE	7	U	
DIBENZOFURAN	3	U	
DIETHYL PHTHALATE	3	U	
DIMETHOATE	7	U	
DIMETHYL PHTHALATE	4	U	
DI-N-BUTYL PHTHALATE	7	U	
DI-N-OCTYL PHTHALATE	5	UJ	C
ETHYL METHANE SULFONATE	7	U	
FLUORANTHENE	8	U	
FLUORENE	3	U	
HEXACHLOROBENZENE	3	U	
HEXACHLOROBUTADIENE	2	U	
HEXACHLOROCYCLOPENTADIENE	2	U	
HEXACHLOROETHANE	3	U	
HEXACHLOROPHENE	5	UR	CE
HEXACHLOROPROPENE	3	U	
INDENO(1,2,3-CD)PYRENE	7	U	
ISODRIN	4	U	
ISOPHORONE	3	U	
ISOSAFROLE	5	U	
METHAPYRILENE	9	UJ	C
METHYL METHANE SULFONATE	7	U	
NAPHTHALENE	3	U	
NITROBENZENE	2	U	
N-NITROSODIETHYLAMINE	4	U	
N-NITROSODIMETHYLAMINE	5	U	
N-NITROSO-DI-N-BUTYLAMINE	8	U	
N-NITROSO-DI-N-PROPYLAMINE	4	U	
N-NITROSODIPHENYLAMINE	5	U	

Parameter	Result	Val Qual	Qual Code
N-NITROSOMETHYLETHYLAMINE	5	U	
N-NITROSOMORPHOLINE	4	U	
N-NITROSOPIPERIDINE	3	U	
N-NITROSOPYRROLIDINE	6	U	
O,O,O-TRIETHYL PHOSPHOROTHIOATE	3	U	
O-TOLUIDINE	10	U	
P-(DIMETHYLAMINO)AZOBENZENE	6	U	
PENTACHLOROBENZENE	3	U	
PENTACHLORONITROBENZENE	4	U	
PENTACHLOROPHENOL	17	UJ	R
PHENACETIN	6	U	
PHENANTHRENE	3	U	
PHENOL	8	UJ	R
PRONAMIDE	5	U	
PYRENE	6	U	
PYRIDINE	2	U	
SAFROLE	3	U	

PROJ_NO: 00389

SDG: CTO29-1 MEDIA: WATER DATA FRACTION: OS

nsample	OLFS4-MW39-0607	nsample	OLFS4-MW39-0607	nsample	OLFS4-MW39-0607
samp_date	6/12/2007	samp_date	6/12/2007	samp_date	6/12/2007
lab_id	SA3013-7	lab_id	SA3013-7	lab_id	SA3013-7
qc_type	NM	qc_type	NM	qc_type	NM
units	UG/L	units	UG/L	units	UG/L
Pct_Solids	0.0	Pct_Solids	0.0	Pct_Solids	0.0
DUP_OF:		DUP_OF:		DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1-BIPHENYL	3	U	
1,2,4,5-TETRACHLOROBENZENE	4	U	
1,2,4-TRICHLOROBENZENE	2	U	
1,3,5-TRINITROBENZENE	6	U	
1,3-DINITROBENZENE	5	U	
1,4-NAPHTHOQUINONE	4	UR	E
1,4-PHENYLENEDIAMINE	5	UR	CE
1-NAPHTHYLAMINE	3	U	
2,2'-OXYBIS(1-CHLOROPROPANE)	4	U	
2,3,4,6-TETRACHLOROPHENOL	6	U	
2,4,5-TRICHLOROPHENOL	7	U	
2,4,6-TRICHLOROPHENOL	7	U	
2,4-DICHLOROPHENOL	7	U	
2,4-DIMETHYLPHENOL	7	U	
2,4-DINITROPHENOL	23	UJ	C
2,4-DINITROTOLUENE	4	U	
2,6-DICHLOROPHENOL	8	U	
2,6-DINITROTOLUENE	4	U	
2-ACETYLAMINOFLUORENE	5	U	
2-CHLORONAPHTHALENE	3	U	
2-CHLOROPHENOL	9	U	
2-METHYLNAPHTHALENE	4	U	
2-METHYLPHENOL	8	U	
2-NAPHTHYLAMINE	4	U	
2-NITROANILINE	3	U	
2-NITROPHENOL	7	U	
2-PICOLINE	3	U	
3&4-METHYLPHENOL	9	U	
3,3'-DICHLOROBENZIDINE	4	UJ	C
3,3'-DIMETHYLBENZIDINE	6	UJ	C
3-METHYLCHOLANTHRENE	7	U	
3-NITROANILINE	4	UR	C

Parameter	Result	Val Qual	Qual Code
4,6-DINITRO-2-METHYLPHENOL	11	U	
4-AMINOBIPHENYL	4	U	
4-BROMOPHENYL PHENYL ETHER	3	U	
4-CHLORO-3-METHYLPHENOL	10	U	
4-CHLOROANILINE	5	UJ	C
4-CHLOROPHENYL PHENYL ETHER	4	U	
4-NITROANILINE	5	UJ	C
4-NITROPHENOL	16	UJ	C
4-NITROQUINOLINE-1-OXIDE	10	UR	C
5-NITRO-O-TOLUIDINE	5	U	
7,12-DIMETHYLBENZ(A)ANTHRACENE	4	U	
A,A-DIMETHYLPHENETHYLAMINE	16	UR	E
ACENAPHTHENE	3	U	
ACENAPHTHYLENE	3	U	
ACETOPHENONE	5	U	
ANILINE	6	U	
ANTHRACENE	3	U	
ARAMITE	8	UR	E
ATRAZINE	5	U	
BENZALDEHYDE	5	U	
BENZO(A)ANTHRACENE	3	U	
BENZO(A)PYRENE	3	U	
BENZO(B)FLUORANTHENE	4	U	
BENZO(G,H,I)PERYLENE	8	U	
BENZO(K)FLUORANTHENE	5	U	
BENZYL ALCOHOL	9	U	
BIS(2-CHLOROETHOXY)METHANE	4	U	
BIS(2-CHLOROETHYL)ETHER	4	UJ	C
BIS(2-ETHYLHEXYL)PHTHALATE	8	UJ	C
BUTYL BENZYL PHTHALATE	6	UJ	C
CAPROLACTAM	9	U	
CARBAZOLE	4	UJ	C

Parameter	Result	Val Qual	Qual Code
CHLOROBENZILATE	8	UJ	C
CHRYSENE	3	U	
DIALLATE	5	U	
DIBENZO(A,H)ANTHRACENE	8	U	
DIBENZOFURAN	3	U	
DIETHYL PHTHALATE	4	U	
DIMETHOATE	8	U	
DIMETHYL PHTHALATE	4	U	
DI-N-BUTYL PHTHALATE	7	U	
DI-N-OCTYL PHTHALATE	5	UJ	C
ETHYL METHANE SULFONATE	7	U	
FLUORANTHENE	8	U	
FLUORENE	3	U	
HEXACHLOROBENZENE	3	U	
HEXACHLOROBUTADIENE	2	U	
HEXACHLOROCYCLOPENTADIENE	3	U	
HEXACHLOROETHANE	3	U	
HEXACHLOROPHENE	5	UR	CE
HEXACHLOROPROPENE	3	U	
INDENO(1,2,3-CD)PYRENE	7	U	
ISODRIN	4	U	
ISOPHORONE	3	U	
ISOSAFROLE	5	U	
METHAPYRILENE	9	UJ	C
METHYL METHANE SULFONATE	7	U	
NAPHTHALENE	3	U	
NITROBENZENE	2	U	
N-NITROSODIETHYLAMINE	4	U	
N-NITROSODIMETHYLAMINE	5	U	
N-NITROSO-DI-N-BUTYLAMINE	8	U	
N-NITROSO-DI-N-PROPYLAMINE	4	U	
N-NITROSODIPHENYLAMINE	5	U	

PROJ_NO: 00389

SDG: CTO29-1 MEDIA: WATER DATA FRACTION: OS

nsample	OLFS4-MW39-0607
samp_date	6/12/2007
lab_id	SA3013-7
qc_type	NM
units	UG/L
Pct_Solids	0.0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
N-NITROSOMETHYLETHYLAMINE	6	U	
N-NITROSOMORPHOLINE	4	U	
N-NITROSOPIPERIDINE	3	U	
N-NITROSOPYRROLIDINE	6	U	
O,O,O-TRIETHYL PHOSPHOROTHIOATE	3	U	
O-TOLUIDINE	10	U	
P-(DIMETHYLAMINO)AZOBENZENE	6	U	
PENTACHLOROBENZENE	3	U	
PENTACHLORONITROBENZENE	4	U	
PENTACHLOROPHENOL	17	U	
PHENACETIN	6	U	
PHENANTHRENE	3	U	
PHENOL	9	U	
PRONAMIDE	5	U	
PYRENE	7	U	
PYRIDINE	2	U	
SAFROLE	3	U	

nsample	OLFS4-MW40-0607
samp_date	6/12/2007
lab_id	SA3013-1
qc_type	NM
units	UG/L
Pct_Solids	0.0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1-BIPHENYL	3	U	
1,2,4,5-TETRACHLOROBENZENE	4	U	
1,2,4-TRICHLOROBENZENE	2	U	
1,3,5-TRINITROBENZENE	6	U	
1,3-DINITROBENZENE	5	U	
1,4-NAPHTHOQUINONE	4	UR	E
1,4-PHENYLENEDIAMINE	5	UR	CE
1-NAPHTHYLAMINE	3	U	
2,2'-OXYBIS(1-CHLOROPROPANE)	4	U	
2,3,4,6-TETRACHLOROPHENOL	6	U	
2,4,5-TRICHLOROPHENOL	7	U	
2,4,6-TRICHLOROPHENOL	7	U	
2,4-DICHLOROPHENOL	7	U	
2,4-DIMETHYLPHENOL	7	U	
2,4-DINITROPHENOL	23	UJ	C
2,4-DINITROTOLUENE	4	U	
2,6-DICHLOROPHENOL	8	U	
2,6-DINITROTOLUENE	4	U	
2-ACETYLAMINOFLUORENE	5	U	
2-CHLORONAPHTHALENE	3	U	
2-CHLOROPHENOL	9	U	
2-METHYLNAPHTHALENE	4	U	
2-METHYLPHENOL	8	U	
2-NAPHTHYLAMINE	4	U	
2-NITROANILINE	3	U	
2-NITROPHENOL	7	U	
2-PICOLINE	3	U	
3&4-METHYLPHENOL	9	U	
3,3'-DICHLOROBENZIDINE	4	UJ	C
3,3'-DIMETHYLBENZIDINE	6	UJ	C
3-METHYLCHOLANTHRENE	7	U	
3-NITROANILINE	4	UR	C

nsample	OLFS4-MW40-0607
samp_date	6/12/2007
lab_id	SA3013-1
qc_type	NM
units	UG/L
Pct_Solids	0.0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
4,6-DINITRO-2-METHYLPHENOL	11	U	
4-AMINOBIPHENYL	4	U	
4-BROMOPHENYL PHENYL ETHER	3	U	
4-CHLORO-3-METHYLPHENOL	10	U	
4-CHLOROANILINE	5	UJ	C
4-CHLOROPHENYL PHENYL ETHER	4	U	
4-NITROANILINE	5	UJ	C
4-NITROPHENOL	16	UJ	C
4-NITROQUINOLINE-1-OXIDE	10	UR	C
5-NITRO-O-TOLUIDINE	5	U	
7,12-DIMETHYLBENZ(A)ANTHRACENE	4	U	
A,A-DIMETHYLPHENETHYLAMINE	16	UR	DE
ACENAPHTHENE	3	U	
ACENAPHTHYLENE	3	U	
ACETOPHENONE	5	U	
ANILINE	6	U	
ANTHRACENE	3	U	
ARAMITE	8	UR	DE
ATRAZINE	5	U	
BENZALDEHYDE	5	U	
BENZO(A)ANTHRACENE	3	U	
BENZO(A)PYRENE	3	U	
BENZO(B)FLUORANTHENE	4	U	
BENZO(G,H,I)PERYLENE	8	U	
BENZO(K)FLUORANTHENE	5	U	
BENZYL ALCOHOL	9	U	
BIS(2-CHLOROETHOXY)METHANE	4	U	
BIS(2-CHLOROETHYL)ETHER	4	UJ	C
BIS(2-ETHYLHEXYL)PHTHALATE	8	UJ	C
BUTYL BENZYL PHTHALATE	6	UJ	C
CAPROLACTAM	9	U	
CARBAZOLE	4	UJ	C

PROJ_NO: 00389

SDG: CTO29-1 MEDIA: WATER DATA FRACTION: OS

nsample	OLFS4-MW40-0607	nsample	OLFS4-MW40-0607	nsample	OLFS4-MW41-0607
samp_date	6/12/2007	samp_date	6/12/2007	samp_date	6/13/2007
lab_id	SA3013-1	lab_id	SA3013-1	lab_id	SA3013-11
qc_type	NM	qc_type	NM	qc_type	NM
units	UG/L	units	UG/L	units	UG/L
Pct_Solids	0.0	Pct_Solids	0.0	Pct_Solids	0.0
DUP_OF:		DUP_OF:		DUP_OF:	

Parameter	Result	Val Qual	Qual Code
CHLOROBENZILATE	8	UJ	C
CHRYSENE	3	U	
DIALLATE	5	U	
DIBENZO(A,H)ANTHRACENE	8	U	
DIBENZOFURAN	3	U	
DIETHYL PHTHALATE	4	U	
DIMETHOATE	8	U	
DIMETHYL PHTHALATE	4	U	
DI-N-BUTYL PHTHALATE	7	U	
DI-N-OCTYL PHTHALATE	5	UJ	C
ETHYL METHANE SULFONATE	7	U	
FLUORANTHENE	8	U	
FLUORENE	3	U	
HEXACHLOROBENZENE	3	U	
HEXACHLOROBUTADIENE	2	U	
HEXACHLOROCYCLOPENTADIENE	3	U	
HEXACHLOROETHANE	3	U	
HEXACHLOROPHENE	5	UR	CDE
HEXACHLOROPROPENE	3	U	
INDENO(1,2,3-CD)PYRENE	7	U	
ISODRIN	4	U	
ISOPHORONE	3	U	
ISOSAFROLE	5	U	
METHAPYRILENE	9	UJ	C
METHYL METHANE SULFONATE	7	U	
NAPHTHALENE	3	U	
NITROBENZENE	2	U	
N-NITROSODIETHYLAMINE	4	U	
N-NITROSODIMETHYLAMINE	5	U	
N-NITROSO-DI-N-BUTYLAMINE	8	U	
N-NITROSO-DI-N-PROPYLAMINE	4	U	
N-NITROSODIPHENYLAMINE	5	U	

Parameter	Result	Val Qual	Qual Code
N-NITROSOMETHYLETHYLAMINE	6	U	
N-NITROSOMORPHOLINE	4	U	
N-NITROSOPIPERIDINE	3	U	
N-NITROSOPYRROLIDINE	6	U	
O,O,O-TRIETHYL PHOSPHOROTHIOATE	3	U	
O-TOLUIDINE	10	U	
P-(DIMETHYLAMINO)AZOBENZENE	6	U	
PENTACHLOROBENZENE	3	U	
PENTACHLORONITROBENZENE	4	U	
PENTACHLOROPHENOL	17	U	
PHENACETIN	6	U	
PHENANTHRENE	3	U	
PHENOL	9	U	
PRONAMIDE	5	U	
PYRENE	7	U	
PYRIDINE	2	U	
SAFROLE	3	U	

Parameter	Result	Val Qual	Qual Code
1,1-BIPHENYL	3	U	
1,2,4,5-TETRACHLOROBENZENE	4	U	
1,2,4-TRICHLOROBENZENE	2	U	
1,3,5-TRINITROBENZENE	6	U	
1,3-DINITROBENZENE	5	U	
1,4-NAPHTHOQUINONE	4	UR	E
1,4-PHENYLENEDIAMINE	5	UR	CE
1-NAPHTHYLAMINE	3	U	
2,2'-OXYBIS(1-CHLOROPROPANE)	4	U	
2,3,4,6-TETRACHLOROPHENOL	7	U	
2,4,5-TRICHLOROPHENOL	7	U	
2,4,6-TRICHLOROPHENOL	7	U	
2,4-DICHLOROPHENOL	7	U	
2,4-DIMETHYLPHENOL	7	U	
2,4-DINITROPHENOL	23	UJ	C
2,4-DINITROTOLUENE	4	U	
2,6-DICHLOROPHENOL	8	U	
2,6-DINITROTOLUENE	4	U	
2-ACETYLAMINOFLUORENE	5	U	
2-CHLORONAPHTHALENE	3	U	
2-CHLOROPHENOL	9	U	
2-METHYLNAPHTHALENE	4	U	
2-METHYLPHENOL	8	U	
2-NAPHTHYLAMINE	4	U	
2-NITROANILINE	3	U	
2-NITROPHENOL	7	U	
2-PICOLINE	3	U	
3&4-METHYLPHENOL	9	U	
3,3'-DICHLOROBENZIDINE	4	UJ	C
3,3'-DIMETHYLBENZIDINE	6	UJ	C
3-METHYLCHOLANTHRENE	7	U	
3-NITROANILINE	4	UR	C

PROJ_NO: 00389

SDG: CTO29-1 MEDIA: WATER DATA FRACTION: OS

nsample	OLFS4-MW41-0607		nsample	OLFS4-MW41-0607		nsample	OLFS4-MW41-0607	
samp_date	6/13/2007		samp_date	6/13/2007		samp_date	6/13/2007	
lab_id	SA3013-11		lab_id	SA3013-11		lab_id	SA3013-11	
qc_type	NM		qc_type	NM		qc_type	NM	
units	UG/L		units	UG/L		units	UG/L	
Pct_Solids	0.0		Pct_Solids	0.0		Pct_Solids	0.0	
DUP_OF:			DUP_OF:			DUP_OF:		

Parameter	Result	Val Qual	Qual Code
4,6-DINITRO-2-METHYLPHENOL	11	U	
4-AMINOBIPHENYL	4	U	
4-BROMOPHENYL PHENYL ETHER	3	U	
4-CHLORO-3-METHYLPHENOL	10	U	
4-CHLOROANILINE	5	UJ	C
4-CHLOROPHENYL PHENYL ETHER	4	U	
4-NITROANILINE	5	UJ	C
4-NITROPHENOL	16	UJ	C
4-NITROQUINOLINE-1-OXIDE	10	UR	C
5-NITRO-O-TOLUIDINE	5	U	
7,12-DIMETHYLBENZ(A)ANTHRACENE	4	U	
A,A-DIMETHYLPHENETHYLAMINE	16	UR	E
ACENAPHTHENE	3	U	
ACENAPHTHYLENE	3	U	
ACETOPHENONE	6	U	
ANILINE	6	U	
ANTHRACENE	4	U	
ARAMITE	8	UR	E
ATRAZINE	5	U	
BENZALDEHYDE	5	U	
BENZO(A)ANTHRACENE	3	U	
BENZO(A)PYRENE	3	U	
BENZO(B)FLUORANTHENE	4	U	
BENZO(G,H,I)PERYLENE	8	U	
BENZO(K)FLUORANTHENE	5	U	
BENZYL ALCOHOL	9	U	
BIS(2-CHLOROETHOXY)METHANE	4	U	
BIS(2-CHLOROETHYL)ETHER	4	UJ	C
BIS(2-ETHYLHEXYL)PHTHALATE	8	UJ	C
BUTYL BENZYL PHTHALATE	6	UJ	C
CAPROLACTAM	9	U	
CARBAZOLE	4	UJ	C

Parameter	Result	Val Qual	Qual Code
CHLOROBENZILATE	8	UJ	C
CHRYSENE	3	U	
DIALLATE	5	U	
DIBENZO(A,H)ANTHRACENE	8	U	
DIBENZOFURAN	4	U	
DIETHYL PHTHALATE	4	U	
DIMETHOATE	8	U	
DIMETHYL PHTHALATE	4	U	
DI-N-BUTYL PHTHALATE	7	U	
DI-N-OCTYL PHTHALATE	5	UJ	C
ETHYL METHANE SULFONATE	7	U	
FLUORANTHENE	8	U	
FLUORENE	3	U	
HEXACHLOROBENZENE	3	U	
HEXACHLOROBUTADIENE	3	U	
HEXACHLOROCYCLOPENTADIENE	3	U	
HEXACHLOROETHANE	3	U	
HEXACHLOROPHENE	5	UR	CE
HEXACHLOROPROPENE	3	U	
INDENO(1,2,3-CD)PYRENE	8	U	
ISODRIN	5	U	
ISOPHORONE	3	U	
ISOSAFROLE	5	U	
METHAPYRILENE	9	UJ	C
METHYL METHANE SULFONATE	7	U	
NAPHTHALENE	3	U	
NITROBENZENE	2	U	
N-NITROSODIETHYLAMINE	4	U	
N-NITROSODIMETHYLAMINE	5	U	
N-NITROSO-DI-N-BUTYLAMINE	8	U	
N-NITROSO-DI-N-PROPYLAMINE	4	U	
N-NITROSODIPHENYLAMINE	5	U	

Parameter	Result	Val Qual	Qual Code
N-NITROSOMETHYLETHYLAMINE	6	U	
N-NITROSOMORPHOLINE	4	U	
N-NITROSOPIPERIDINE	3	U	
N-NITROSOPYRROLIDINE	6	U	
O,O,O-TRIETHYL PHOSPHOROTHIOATE	3	U	
O-TOLUIDINE	10	U	
P-(DIMETHYLAMINO)AZOBENZENE	6	U	
PENTACHLOROBENZENE	3	U	
PENTACHLORONITROBENZENE	4	U	
PENTACHLOROPHENOL	18	U	
PHENACETIN	6	U	
PHENANTHRENE	3	U	
PHENOL	9	U	
PRONAMIDE	5	U	
PYRENE	7	U	
PYRIDINE	2	U	
SAFROLE	4	U	

PROJ_NO: 00389

SDG: CTO29-1 MEDIA: WATER DATA FRACTION: OS

nsample	OLFS4-MW42-0607		nsample	OLFS4-MW42-0607		nsample	OLFS4-MW42-0607	
samp_date	6/14/2007		samp_date	6/14/2007		samp_date	6/14/2007	
lab_id	SA3013-19		lab_id	SA3013-19		lab_id	SA3013-19	
qc_type	NM		qc_type	NM		qc_type	NM	
units	UG/L		units	UG/L		units	UG/L	
Pct_Solids	0.0		Pct_Solids	0.0		Pct_Solids	0.0	
DUP_OF:			DUP_OF:			DUP_OF:		

Parameter	Result	Val Qual	Qual Code
1,1-BIPHENYL	3	U	
1,2,4,5-TETRACHLOROBENZENE	4	U	
1,2,4-TRICHLOROBENZENE	3	U	
1,3,5-TRINITROBENZENE	6	U	
1,3-DINITROBENZENE	5	U	
1,4-NAPHTHOQUINONE	4	UR	E
1,4-PHENYLENEDIAMINE	5	UR	E
1-NAPHTHYLAMINE	3	U	
2,2'-OXYBIS(1-CHLOROPROPANE)	4	U	
2,3,4,6-TETRACHLOROPHENOL	7	U	
2,4,5-TRICHLOROPHENOL	7	U	
2,4,6-TRICHLOROPHENOL	7	U	
2,4-DICHLOROPHENOL	7	U	
2,4-DIMETHYLPHENOL	7	U	
2,4-DINITROPHENOL	24	UJ	C
2,4-DINITROTOLUENE	4	U	
2,6-DICHLOROPHENOL	8	U	
2,6-DINITROTOLUENE	4	U	
2-ACETYLAMINOFLUORENE	5	U	
2-CHLORONAPHTHALENE	3	U	
2-CHLOROPHENOL	9	U	
2-METHYLNAPHTHALENE	4	U	
2-METHYLPHENOL	8	U	
2-NAPHTHYLAMINE	4	U	
2-NITROANILINE	4	U	
2-NITROPHENOL	7	U	
2-PICOLINE	3	U	
3&4-METHYLPHENOL	9	U	
3,3'-DICHLOROBENZIDINE	4	UJ	C
3,3'-DIMETHYLBENZIDINE	6	UJ	C
3-METHYLCHOLANTHRENE	7	U	
3-NITROANILINE	4	UR	C

Parameter	Result	Val Qual	Qual Code
4,6-DINITRO-2-METHYLPHENOL	12	U	
4-AMINOBIPHENYL	4	U	
4-BROMOPHENYL PHENYL ETHER	3	U	
4-CHLORO-3-METHYLPHENOL	10	U	
4-CHLOROANILINE	5	UJ	C
4-CHLOROPHENYL PHENYL ETHER	4	U	
4-NITROANILINE	5	UJ	C
4-NITROPHENOL	16	UJ	C
4-NITROQUINOLINE-1-OXIDE	10	UR	C
5-NITRO-O-TOLUIDINE	5	U	
7,12-DIMETHYLBENZ(A)ANTHRACENE	4	U	
A,A-DIMETHYLPHENETHYLAMINE	16	UR	E
ACENAPHTHENE	3	U	
ACENAPHTHYLENE	3	U	
ACETOPHENONE	6	U	
ANILINE	6	UJ	C
ANTHRACENE	4	U	
ARAMITE	8	UR	E
ATRAZINE	5	U	
BENZALDEHYDE	5	U	
BENZO(A)ANTHRACENE	3	U	
BENZO(A)PYRENE	3	U	
BENZO(B)FLUORANTHENE	4	U	
BENZO(G,H,I)PERYLENE	8	U	
BENZO(K)FLUORANTHENE	5	U	
BENZYL ALCOHOL	9	U	
BIS(2-CHLOROETHOXY)METHANE	4	U	
BIS(2-CHLOROETHYL)ETHER	4	UJ	C
BIS(2-ETHYLHEXYL)PHTHALATE	8	UJ	C
BUTYL BENZYL PHTHALATE	6	U	
CAPROLACTAM	9	U	
CARBAZOLE	4	U	

Parameter	Result	Val Qual	Qual Code
CHLOROBENZILATE	8	U	
CHRYSENE	3	U	
DIALLATE	5	U	
DIBENZO(A,H)ANTHRACENE	8	U	
DIBENZOFURAN	4	U	
DIETHYL PHTHALATE	4	U	
DIMETHOATE	8	UJ	E
DIMETHYL PHTHALATE	4	U	
DI-N-BUTYL PHTHALATE	7	U	
DI-N-OCTYL PHTHALATE	5	U	
ETHYL METHANE SULFONATE	7	U	
FLUORANTHENE	8	U	
FLUORENE	3	U	
HEXACHLOROBENZENE	3	U	
HEXACHLOROBUTADIENE	3	U	
HEXACHLOROCYCLOPENTADIENE	3	U	
HEXACHLOROETHANE	3	U	
HEXACHLOROPHENE	5	UR	CE
HEXACHLOROPROPENE	3	U	
INDENO(1,2,3-CD)PYRENE	8	U	
ISODRIN	5	U	
ISOPHORONE	3	U	
ISOSAFROLE	5	U	
METHAPYRILENE	9	UJ	C
METHYL METHANE SULFONATE	7	U	
NAPHTHALENE	3	U	
NITROBENZENE	2	U	
N-NITROSODIETHYLAMINE	4	U	
N-NITROSODIMETHYLAMINE	5	U	
N-NITROSO-DI-N-BUTYLAMINE	8	U	
N-NITROSO-DI-N-PROPYLAMINE	4	U	
N-NITROSODIPHENYLAMINE	5	U	

PROJ_NO: 00389

SDG: CTO29-1 MEDIA: WATER DATA FRACTION: OS

nsample	OLFS4-MW42-0607
samp_date	6/14/2007
lab_id	SA3013-19
qc_type	NM
units	UG/L
Pct_Solids	0.0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
N-NITROSOMETHYLETHYLAMINE	6	U	
N-NITROSOMORPHOLINE	4	U	
N-NITROSOPIPERIDINE	3	U	
N-NITROSOPYRROLIDINE	6	U	
O,O,O-TRIETHYL PHOSPHOROTHIOATE	3	U	
O-TOLUIDINE	10	U	
P-(DIMETHYLAMINO)AZOBENZENE	6	U	
PENTACHLOROBENZENE	3	U	
PENTACHLORONITROBENZENE	4	U	
PENTACHLOROPHENOL	18	U	
PHENACETIN	6	U	
PHENANTHRENE	3	U	
PHENOL	9	U	
PRONAMIDE	5	U	
PYRENE	7	U	
PYRIDINE	2	U	
SAFROLE	4	U	

nsample	OLFS4-MW43-0607
samp_date	6/14/2007
lab_id	SA3013-21
qc_type	NM
units	UG/L
Pct_Solids	0.0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1-BIPHENYL	3	U	
1,2,4,5-TETRACHLOROBENZENE	4	U	
1,2,4-TRICHLOROBENZENE	2	U	
1,3,5-TRINITROBENZENE	6	U	
1,3-DINITROBENZENE	5	U	
1,4-NAPHTHOQUINONE	4	UR	E
1,4-PHENYLENEDIAMINE	5	UR	E
1-NAPHTHYLAMINE	3	U	
2,2'-OXYBIS(1-CHLOROPROPANE)	4	U	
2,3,4,6-TETRACHLOROPHENOL	6	U	
2,4,5-TRICHLOROPHENOL	7	U	
2,4,6-TRICHLOROPHENOL	7	U	
2,4-DICHLOROPHENOL	7	U	
2,4-DIMETHYLPHENOL	7	U	
2,4-DINITROPHENOL	23	UJ	C
2,4-DINITROTOLUENE	4	U	
2,6-DICHLOROPHENOL	8	U	
2,6-DINITROTOLUENE	4	U	
2-ACETYLAMINOFLUORENE	5	U	
2-CHLORONAPHTHALENE	3	U	
2-CHLOROPHENOL	9	U	
2-METHYLNAPHTHALENE	4	U	
2-METHYLPHENOL	8	U	
2-NAPHTHYLAMINE	4	U	
2-NITROANILINE	3	U	
2-NITROPHENOL	7	U	
2-PICOLINE	3	U	
3&4-METHYLPHENOL	9	U	
3,3'-DICHLOROBENZIDINE	4	UJ	C
3,3'-DIMETHYLBENZIDINE	6	UJ	C
3-METHYLCHOLANTHRENE	7	U	
3-NITROANILINE	4	UR	C

nsample	OLFS4-MW43-0607
samp_date	6/14/2007
lab_id	SA3013-21
qc_type	NM
units	UG/L
Pct_Solids	0.0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
4,6-DINITRO-2-METHYLPHENOL	11	U	
4-AMINOBIPHENYL	4	U	
4-BROMOPHENYL PHENYL ETHER	3	U	
4-CHLORO-3-METHYLPHENOL	10	U	
4-CHLOROANILINE	5	UJ	C
4-CHLOROPHENYL PHENYL ETHER	4	U	
4-NITROANILINE	5	UJ	C
4-NITROPHENOL	16	UJ	C
4-NITROQUINOLINE-1-OXIDE	10	UR	C
5-NITRO-O-TOLUIDINE	5	U	
7,12-DIMETHYLBENZ(A)ANTHRACENE	4	U	
A,A-DIMETHYLPHENETHYLAMINE	16	UR	E
ACENAPHTHENE	3	U	
ACENAPHTHYLENE	3	U	
ACETOPHENONE	5	U	
ANILINE	6	UJ	C
ANTHRACENE	3	U	
ARAMITE	8	UR	E
ATRAZINE	5	U	
BENZALDEHYDE	5	U	
BENZO(A)ANTHRACENE	3	U	
BENZO(A)PYRENE	3	U	
BENZO(B)FLUORANTHENE	4	U	
BENZO(G,H,I)PERYLENE	8	U	
BENZO(K)FLUORANTHENE	5	U	
BENZYL ALCOHOL	9	U	
BIS(2-CHLOROETHOXY)METHANE	4	U	
BIS(2-CHLOROETHYL)ETHER	4	UJ	C
BIS(2-ETHYLHEXYL)PHTHALATE	8	UJ	C
BUTYL BENZYL PHTHALATE	6	U	
CAPROLACTAM	9	U	
CARBAZOLE	4	U	

PROJ_NO: 00389

SDG: CTO29-1 MEDIA: WATER DATA FRACTION: OS

nsample	OLFS4-MW43-0607
samp_date	6/14/2007
lab_id	SA3013-21
qc_type	NM
units	UG/L
Pct_Solids	0.0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
CHLOROBENZILATE	8	U	
CHRYSENE	3	U	
DIALLATE	5	U	
DIBENZO(A,H)ANTHRACENE	8	U	
DIBENZOFURAN	3	U	
DIETHYL PHTHALATE	4	U	
DIMETHOATE	8	UJ	E
DIMETHYL PHTHALATE	4	U	
DI-N-BUTYL PHTHALATE	7	U	
DI-N-OCTYL PHTHALATE	5	U	
ETHYL METHANE SULFONATE	7	U	
FLUORANTHENE	8	U	
FLUORENE	3	U	
HEXACHLOROBENZENE	3	U	
HEXACHLOROBUTADIENE	2	U	
HEXACHLOROCYCLOPENTADIENE	3	U	
HEXACHLOROETHANE	3	U	
HEXACHLOROPHENE	5	UR	CE
HEXACHLOROPROPENE	3	U	
INDENO(1,2,3-CD)PYRENE	7	U	
ISODRIN	4	U	
ISOPHORONE	3	U	
ISOSAFROLE	5	U	
METHAPYRILENE	9	UJ	C
METHYL METHANE SULFONATE	7	U	
NAPHTHALENE	3	U	
NITROBENZENE	2	U	
N-NITROSODIETHYLAMINE	4	U	
N-NITROSODIMETHYLAMINE	5	U	
N-NITROSO-DI-N-BUTYLAMINE	8	U	
N-NITROSO-DI-N-PROPYLAMINE	4	U	
N-NITROSODIPHENYLAMINE	5	U	

nsample	OLFS4-MW43-0607
samp_date	6/14/2007
lab_id	SA3013-21
qc_type	NM
units	UG/L
Pct_Solids	0.0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
N-NITROSOMETHYLETHYLAMINE	6	U	
N-NITROSOMORPHOLINE	4	U	
N-NITROSOPIPERIDINE	3	U	
N-NITROSOPYRROLIDINE	6	U	
O,O,O-TRIETHYL PHOSPHOROTHIOATE	3	U	
O-TOLUIDINE	10	U	
P-(DIMETHYLAMINO)AZOBENZENE	6	U	
PENTACHLOROBENZENE	3	U	
PENTACHLORONITROBENZENE	4	U	
PENTACHLOROPHENOL	17	U	
PHENACETIN	6	U	
PHENANTHRENE	3	U	
PHENOL	9	U	
PRONAMIDE	5	U	
PYRENE	7	U	
PYRIDINE	2	U	
SAFROLE	3	U	

nsample	OLFS4-MW44-0607
samp_date	6/13/2007
lab_id	SA3013-17
qc_type	NM
units	UG/L
Pct_Solids	0.0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1-BIPHENYL	3	U	
1,2,4,5-TETRACHLOROBENZENE	4	U	
1,2,4-TRICHLOROBENZENE	2	U	
1,3,5-TRINITROBENZENE	6	U	
1,3-DINITROBENZENE	5	U	
1,4-NAPHTHOQUINONE	4	UR	E
1,4-PHENYLENEDIAMINE	5	UR	E
1-NAPHTHYLAMINE	3	U	
2,2'-OXYBIS(1-CHLOROPROPANE)	4	U	
2,3,4,6-TETRACHLOROPHENOL	6	U	
2,4,5-TRICHLOROPHENOL	7	U	
2,4,6-TRICHLOROPHENOL	7	U	
2,4-DICHLOROPHENOL	7	U	
2,4-DIMETHYLPHENOL	7	U	
2,4-DINITROPHENOL	23	UJ	C
2,4-DINITROTOLUENE	4	U	
2,6-DICHLOROPHENOL	8	U	
2,6-DINITROTOLUENE	4	U	
2-ACETYLAMINOFLUORENE	5	U	
2-CHLORONAPHTHALENE	3	U	
2-CHLOROPHENOL	8	U	
2-METHYLNAPHTHALENE	4	U	
2-METHYLPHENOL	8	U	
2-NAPHTHYLAMINE	4	U	
2-NITROANILINE	3	U	
2-NITROPHENOL	7	U	
2-PICOLINE	3	U	
3&4-METHYLPHENOL	9	U	
3,3'-DICHLOROBENZIDINE	4	UJ	C
3,3'-DIMETHYLBENZIDINE	6	UJ	C
3-METHYLCHOLANTHRENE	6	U	
3-NITROANILINE	4	UR	C

PROJ_NO: 00389

SDG: CTO29-1 MEDIA: WATER DATA FRACTION: OS

nsample	OLFS4-MW44-0607
samp_date	6/13/2007
lab_id	SA3013-17
qc_type	NM
units	UG/L
Pct_Solids	0.0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
4,6-DINITRO-2-METHYLPHENOL	11	U	
4-AMINOBIPHENYL	4	U	
4-BROMOPHENYL PHENYL ETHER	3	U	
4-CHLORO-3-METHYLPHENOL	10	U	
4-CHLOROANILINE	5	UJ	C
4-CHLOROPHENYL PHENYL ETHER	4	U	
4-NITROANILINE	5	UJ	C
4-NITROPHENOL	16	UJ	C
4-NITROQUINOLINE-1-OXIDE	10	UR	C
5-NITRO-O-TOLUIDINE	5	U	
7,12-DIMETHYLBENZ(A)ANTHRACENE	4	U	
A,A-DIMETHYLPHENETHYLAMINE	16	UR	E
ACENAPHTHENE	3	U	
ACENAPHTHYLENE	3	U	
ACETOPHENONE	5	U	
ANILINE	6	UJ	C
ANTHRACENE	3	U	
ARAMITE	8	UR	E
ATRAZINE	5	U	
BENZALDEHYDE	5	U	
BENZO(A)ANTHRACENE	3	U	
BENZO(A)PYRENE	3	U	
BENZO(B)FLUORANTHENE	4	U	
BENZO(G,H,I)PERYLENE	8	U	
BENZO(K)FLUORANTHENE	5	U	
BENZYL ALCOHOL	9	U	
BIS(2-CHLOROETHOXY)METHANE	4	U	
BIS(2-CHLOROETHYL)ETHER	4	UJ	C
BIS(2-ETHYLHEXYL)PHTHALATE	8	UJ	C
BUTYL BENZYL PHTHALATE	6	U	
CAPROLACTAM	9	U	
CARBAZOLE	4	U	

nsample	OLFS4-MW44-0607
samp_date	6/13/2007
lab_id	SA3013-17
qc_type	NM
units	UG/L
Pct_Solids	0.0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
CHLOROBENZILATE	8	U	
CHRYSENE	3	U	
DIALLATE	4	U	
DIBENZO(A,H)ANTHRACENE	7	U	
DIBENZOFURAN	3	U	
DIETHYL PHTHALATE	3	U	
DIMETHOATE	8	UJ	E
DIMETHYL PHTHALATE	4	U	
DI-N-BUTYL PHTHALATE	7	U	
DI-N-OCTYL PHTHALATE	5	U	
ETHYL METHANE SULFONATE	7	U	
FLUORANTHENE	8	U	
FLUORENE	3	U	
HEXACHLOROBENZENE	3	U	
HEXACHLOROBUTADIENE	2	U	
HEXACHLOROCYCLOPENTADIENE	3	U	
HEXACHLOROETHANE	3	U	
HEXACHLOROPHENE	5	UR	CE
HEXACHLOROPROPENE	3	U	
INDENO(1,2,3-CD)PYRENE	7	U	
ISODRIN	4	U	
ISOPHORONE	3	U	
ISOSAFROLE	5	U	
METHAPYRILENE	9	UJ	C
METHYL METHANE SULFONATE	7	U	
NAPHTHALENE	3	U	
NITROBENZENE	2	U	
N-NITROSODIETHYLAMINE	4	U	
N-NITROSODIMETHYLAMINE	5	U	
N-NITROSO-DI-N-BUTYLAMINE	8	U	
N-NITROSO-DI-N-PROPYLAMINE	4	U	
N-NITROSODIPHENYLAMINE	5	U	

nsample	OLFS4-MW44-0607
samp_date	6/13/2007
lab_id	SA3013-17
qc_type	NM
units	UG/L
Pct_Solids	0.0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
N-NITROSOMETHYLETHYLAMINE	5	U	
N-NITROSOMORPHOLINE	4	U	
N-NITROSOPIPERIDINE	3	U	
N-NITROSOPYRROLIDINE	6	U	
O,O,O-TRIETHYL PHOSPHOROTHIOATE	3	U	
O-TOLUIDINE	10	U	
P-(DIMETHYLAMINO)AZOBENZENE	6	U	
PENTACHLOROBENZENE	3	U	
PENTACHLORONITROBENZENE	4	U	
PENTACHLOROPHENOL	17	U	
PHENACETIN	6	U	
PHENANTHRENE	3	U	
PHENOL	9	U	
PRONAMIDE	5	U	
PYRENE	7	U	
PYRIDINE	2	U	
SAFROLE	3	U	

PROJ_NO: 00389

SDG: CTO29-1 MEDIA: WATER DATA FRACTION: OS

nsample	OLFS4-MW45-0607	nsample	OLFS4-MW45-0607	nsample	OLFS4-MW45-0607
samp_date	6/13/2007	samp_date	6/13/2007	samp_date	6/13/2007
lab_id	SA3013-13	lab_id	SA3013-13	lab_id	SA3013-13
qc_type	NM	qc_type	NM	qc_type	NM
units	UG/L	units	UG/L	units	UG/L
Pct_Solids	0.0	Pct_Solids	0.0	Pct_Solids	0.0
DUP_OF:		DUP_OF:		DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1-BIPHENYL	3	U	
1,2,4,5-TETRACHLOROBENZENE	4	U	
1,2,4-TRICHLOROBENZENE	3	U	
1,3,5-TRINITROBENZENE	6	U	
1,3-DINITROBENZENE	5	U	
1,4-NAPHTHOQUINONE	4	UR	E
1,4-PHENYLENEDIAMINE	5	UR	CE
1-NAPHTHYLAMINE	3	U	
2,2'-OXYBIS(1-CHLOROPROPANE)	4	U	
2,3,4,6-TETRACHLOROPHENOL	7	U	
2,4,5-TRICHLOROPHENOL	7	U	
2,4,6-TRICHLOROPHENOL	7	U	
2,4-DICHLOROPHENOL	7	U	
2,4-DIMETHYLPHENOL	7	U	
2,4-DINITROPHENOL	24	UJ	C
2,4-DINITROTOLUENE	4	U	
2,6-DICHLOROPHENOL	8	U	
2,6-DINITROTOLUENE	4	U	
2-ACETYLAMINOFLUORENE	5	U	
2-CHLORONAPHTHALENE	3	U	
2-CHLOROPHENOL	9	U	
2-METHYLNAPHTHALENE	4	U	
2-METHYLPHENOL	8	U	
2-NAPHTHYLAMINE	4	U	
2-NITROANILINE	4	U	
2-NITROPHENOL	7	U	
2-PICOLINE	3	U	
3&4-METHYLPHENOL	9	U	
3,3'-DICHLOROBENZIDINE	4	UJ	C
3,3'-DIMETHYLBENZIDINE	6	UJ	C
3-METHYLCHOLANTHRENE	7	U	
3-NITROANILINE	4	UR	C

Parameter	Result	Val Qual	Qual Code
4,6-DINITRO-2-METHYLPHENOL	12	U	
4-AMINOBIPHENYL	4	U	
4-BROMOPHENYL PHENYL ETHER	3	U	
4-CHLORO-3-METHYLPHENOL	10	U	
4-CHLOROANILINE	5	UJ	C
4-CHLOROPHENYL PHENYL ETHER	4	U	
4-NITROANILINE	5	UJ	C
4-NITROPHENOL	16	UJ	C
4-NITROQUINOLINE-1-OXIDE	10	UR	C
5-NITRO-O-TOLUIDINE	5	U	
7,12-DIMETHYLBENZ(A)ANTHRACENE	4	U	
A,A-DIMETHYLPHENETHYLAMINE	16	UR	E
ACENAPHTHENE	3	U	
ACENAPHTHYLENE	3	U	
ACETOPHENONE	6	U	
ANILINE	6	U	
ANTHRACENE	4	U	
ARAMITE	8	UR	E
ATRAZINE	5	U	
BENZALDEHYDE	5	U	
BENZO(A)ANTHRACENE	3	U	
BENZO(A)PYRENE	3	U	
BENZO(B)FLUORANTHENE	4	U	
BENZO(G,H,I)PERYLENE	8	U	
BENZO(K)FLUORANTHENE	5	U	
BENZYL ALCOHOL	9	U	
BIS(2-CHLOROETHOXY)METHANE	4	U	
BIS(2-CHLOROETHYL)ETHER	4	UJ	C
BIS(2-ETHYLHEXYL)PHTHALATE	8	UJ	C
BUTYL BENZYL PHTHALATE	6	UJ	C
CAPROLACTAM	9	U	
CARBAZOLE	4	UJ	C

Parameter	Result	Val Qual	Qual Code
CHLOROBENZILATE	8	UJ	C
CHRYSENE	3	U	
DIALLATE	5	U	
DIBENZO(A,H)ANTHRACENE	8	U	
DIBENZOFURAN	4	U	
DIETHYL PHTHALATE	4	U	
DIMETHOATE	8	U	
DIMETHYL PHTHALATE	4	U	
DI-N-BUTYL PHTHALATE	7	U	
DI-N-OCTYL PHTHALATE	5	UJ	C
ETHYL METHANE SULFONATE	7	U	
FLUORANTHENE	8	U	
FLUORENE	3	U	
HEXACHLOROBENZENE	3	U	
HEXACHLOROBUTADIENE	3	U	
HEXACHLOROCYCLOPENTADIENE	3	U	
HEXACHLOROETHANE	3	U	
HEXACHLOROPHENE	5	UR	CE
HEXACHLOROPROPENE	3	U	
INDENO(1,2,3-CD)PYRENE	8	U	
ISODRIN	5	U	
ISOPHORONE	3	U	
ISOSAFROLE	5	U	
METHAPYRILENE	9	UJ	C
METHYL METHANE SULFONATE	7	U	
NAPHTHALENE	3	U	
NITROBENZENE	2	U	
N-NITROSODIETHYLAMINE	4	U	
N-NITROSODIMETHYLAMINE	5	U	
N-NITROSO-DI-N-BUTYLAMINE	8	U	
N-NITROSO-DI-N-PROPYLAMINE	4	U	
N-NITROSODIPHENYLAMINE	5	U	

PROJ_NO: 00389

SDG: CTO29-1 MEDIA: WATER DATA FRACTION: OS

nsample	OLFS4-MW45-0607
samp_date	6/13/2007
lab_id	SA3013-13
qc_type	NM
units	UG/L
Pct_Solids	0.0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
N-NITROSOMETHYLETHYLAMINE	6	U	
N-NITROSOMORPHOLINE	4	U	
N-NITROSOPIPERIDINE	3	U	
N-NITROSOPYRROLIDINE	6	U	
O,O,O-TRIETHYL PHOSPHOROTHIOATE	3	U	
O-TOLUIDINE	10	U	
P-(DIMETHYLAMINO)AZOBENZENE	6	U	
PENTACHLOROBENZENE	3	U	
PENTACHLORONITROBENZENE	4	U	
PENTACHLOROPHENOL	18	U	
PHENACETIN	6	U	
PHENANTHRENE	3	U	
PHENOL	9	U	
PRONAMIDE	5	U	
PYRENE	7	U	
PYRIDINE	2	U	
SAFROLE	4	U	

nsample	OLFS4-MW46-0607
samp_date	6/13/2007
lab_id	SA3013-15
qc_type	NM
units	UG/L
Pct_Solids	0.0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1-BIPHENYL	3	U	
1,2,4,5-TETRACHLOROBENZENE	4	U	
1,2,4-TRICHLOROBENZENE	2	U	
1,3,5-TRINITROBENZENE	6	U	
1,3-DINITROBENZENE	5	U	
1,4-NAPHTHOQUINONE	4	UR	E
1,4-PHENYLENEDIAMINE	5	UR	CE
1-NAPHTHYLAMINE	3	U	
2,2'-OXYBIS(1-CHLOROPROPANE)	4	U	
2,3,4,6-TETRACHLOROPHENOL	7	U	
2,4,5-TRICHLOROPHENOL	7	U	
2,4,6-TRICHLOROPHENOL	7	U	
2,4-DICHLOROPHENOL	7	U	
2,4-DIMETHYLPHENOL	7	U	
2,4-DINITROPHENOL	23	UJ	C
2,4-DINITROTOLUENE	4	U	
2,6-DICHLOROPHENOL	8	U	
2,6-DINITROTOLUENE	4	U	
2-ACETYLAMINOFLUORENE	5	U	
2-CHLORONAPHTHALENE	3	U	
2-CHLOROPHENOL	9	U	
2-METHYLNAPHTHALENE	4	U	
2-METHYLPHENOL	8	U	
2-NAPHTHYLAMINE	4	U	
2-NITROANILINE	3	U	
2-NITROPHENOL	7	U	
2-PICOLINE	3	U	
3&4-METHYLPHENOL	9	U	
3,3'-DICHLOROBENZIDINE	4	UJ	C
3,3'-DIMETHYLBENZIDINE	6	UJ	C
3-METHYLCHOLANTHRENE	7	U	
3-NITROANILINE	4	UR	C

nsample	OLFS4-MW46-0607
samp_date	6/13/2007
lab_id	SA3013-15
qc_type	NM
units	UG/L
Pct_Solids	0.0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
4,6-DINITRO-2-METHYLPHENOL	11	U	
4-AMINOBIPHENYL	4	U	
4-BROMOPHENYL PHENYL ETHER	3	U	
4-CHLORO-3-METHYLPHENOL	10	U	
4-CHLOROANILINE	5	UJ	C
4-CHLOROPHENYL PHENYL ETHER	4	U	
4-NITROANILINE	5	UJ	C
4-NITROPHENOL	16	UJ	C
4-NITROQUINOLINE-1-OXIDE	10	UR	C
5-NITRO-O-TOLUIDINE	5	U	
7,12-DIMETHYLBENZ(A)ANTHRACENE	4	U	
A,A-DIMETHYLPHENETHYLAMINE	16	UR	E
ACENAPHTHENE	3	U	
ACENAPHTHYLENE	3	U	
ACETOPHENONE	6	U	
ANILINE	6	U	
ANTHRACENE	4	U	
ARAMITE	8	UR	E
ATRAZINE	5	U	
BENZALDEHYDE	5	U	
BENZO(A)ANTHRACENE	3	U	
BENZO(A)PYRENE	3	U	
BENZO(B)FLUORANTHENE	4	U	
BENZO(G,H,I)PERYLENE	8	U	
BENZO(K)FLUORANTHENE	5	U	
BENZYL ALCOHOL	9	U	
BIS(2-CHLOROETHOXY)METHANE	4	U	
BIS(2-CHLOROETHYL)ETHER	4	UJ	C
BIS(2-ETHYLHEXYL)PHTHALATE	8	UJ	C
BUTYL BENZYL PHTHALATE	6	UJ	C
CAPROLACTAM	9	U	
CARBAZOLE	4	UJ	C

PROJ_NO: 00389

SDG: CTO29-1 MEDIA: WATER DATA FRACTION: OS

nsample	OLFS4-MW46-0607	nsample	OLFS4-MW46-0607
samp_date	6/13/2007	samp_date	6/13/2007
lab_id	SA3013-15	lab_id	SA3013-15
qc_type	NM	qc_type	NM
units	UG/L	units	UG/L
Pct_Solids	0.0	Pct_Solids	0.0
DUP_OF:		DUP_OF:	

Parameter	Result	Val Qual	Qual Code
CHLOROBENZILATE	8	UJ	C
CHRYSENE	3	U	
DIALLATE	5	U	
DIBENZO(A,H)ANTHRACENE	8	U	
DIBENZOFURAN	4	U	
DIETHYL PHTHALATE	4	U	
DIMETHOATE	8	U	
DIMETHYL PHTHALATE	4	U	
DI-N-BUTYL PHTHALATE	7	U	
DI-N-OCTYL PHTHALATE	5	UJ	C
ETHYL METHANE SULFONATE	7	U	
FLUORANTHENE	8	U	
FLUORENE	3	U	
HEXACHLOROBENZENE	3	U	
HEXACHLOROBUTADIENE	3	U	
HEXACHLOROCYCLOPENTADIENE	3	U	
HEXACHLOROETHANE	3	U	
HEXACHLOROPHENE	5	UR	CE
HEXACHLOROPROPENE	3	U	
INDENO(1,2,3-CD)PYRENE	8	U	
ISODRIN	5	U	
ISOPHORONE	3	U	
ISOSAFROLE	5	U	
METHAPYRILENE	9	UJ	C
METHYL METHANE SULFONATE	7	U	
NAPHTHALENE	3	U	
NITROBENZENE	2	U	
N-NITROSODIETHYLAMINE	4	U	
N-NITROSODIMETHYLAMINE	5	U	
N-NITROSO-DI-N-BUTYLAMINE	8	U	
N-NITROSO-DI-N-PROPYLAMINE	4	U	
N-NITROSODIPHENYLAMINE	5	U	

Parameter	Result	Val Qual	Qual Code
N-NITROSOMETHYLETHYLAMINE	6	U	
N-NITROSOMORPHOLINE	4	U	
N-NITROSOPIPERIDINE	3	U	
N-NITROSOPYRROLIDINE	6	U	
O,O,O-TRIETHYL PHOSPHOROTHIOATE	3	U	
O-TOLUIDINE	10	U	
P-(DIMETHYLAMINO)AZOBENZENE	6	U	
PENTACHLOROBENZENE	3	U	
PENTACHLORONITROBENZENE	4	U	
PENTACHLOROPHENOL	18	U	
PHENACETIN	6	U	
PHENANTHRENE	3	U	
PHENOL	9	U	
PRONAMIDE	5	U	
PYRENE	7	U	
PYRIDINE	2	U	
SAFROLE	4	U	

PROJ_NO: 00389

SDG: CTO29-1 MEDIA: WATER DATA FRACTION: PEST/PCB

nsample	OLFS4-MW37-0607	nsample	OLFS4-MW37-0607-D	nsample	OLFS4-MW38-0607
samp_date	6/12/2007	samp_date	6/12/2007	samp_date	6/13/2007
lab_id	SA3013-3	lab_id	SA3013-5	lab_id	SA3013-9
qc_type	NM	qc_type	NM	qc_type	NM
units	UG/L	units	UG/L	units	UG/L
Pct_Solids	0.0	Pct_Solids	0.0	Pct_Solids	0.0
DUP_OF:		DUP_OF:	OLFS4-MW37-0607	DUP_OF:	

Parameter	Result	Lab Qual	Val Qual	Qual Code
AROCLOR-1016	0.38	U	U	
AROCLOR-1221	0.16	U	U	
AROCLOR-1232	0.27	U	U	
AROCLOR-1242	0.2	U	U	
AROCLOR-1248	0.18	U	U	
AROCLOR-1254	0.24	U	U	
AROCLOR-1260	0.26	U	U	

Parameter	Result	Lab Qual	Val Qual	Qual Code
AROCLOR-1016	0.38	U	U	
AROCLOR-1221	0.16	U	U	
AROCLOR-1232	0.27	U	U	
AROCLOR-1242	0.2	U	U	
AROCLOR-1248	0.18	U	U	
AROCLOR-1254	0.24	U	U	
AROCLOR-1260	0.26	U	U	

Parameter	Result	Lab Qual	Val Qual	Qual Code
AROCLOR-1016	0.41	U	U	
AROCLOR-1221	0.17	U	U	
AROCLOR-1232	0.28	U	U	
AROCLOR-1242	0.21	U	U	
AROCLOR-1248	0.19	U	U	
AROCLOR-1254	0.26	U	U	
AROCLOR-1260	0.28	U	U	

PROJ_NO: 00389

SDG: CTO29-1 MEDIA: WATER DATA FRACTION: PEST/PCB

nsample	OLFS4-MW39-0607	nsample	OLFS4-MW40-0607	nsample	OLFS4-MW41-0607
samp_date	6/12/2007	samp_date	6/12/2007	samp_date	6/13/2007
lab_id	SA3013-7	lab_id	SA3013-1	lab_id	SA3013-11
qc_type	NM	qc_type	NM	qc_type	NM
units	UG/L	units	UG/L	units	UG/L
Pct_Solids	0.0	Pct_Solids	0.0	Pct_Solids	0.0
DUP_OF:		DUP_OF:		DUP_OF:	

Parameter	Result	Lab Qual	Val Qual	Qual Code
AROCLOR-1016	0.42	U	U	
AROCLOR-1221	0.18	U	U	
AROCLOR-1232	0.29	U	U	
AROCLOR-1242	0.22	U	U	
AROCLOR-1248	0.2	U	U	
AROCLOR-1254	0.26	U	U	
AROCLOR-1260	0.28	U	U	

Parameter	Result	Lab Qual	Val Qual	Qual Code
AROCLOR-1016	0.4	U	U	
AROCLOR-1221	0.17	U	U	
AROCLOR-1232	0.28	U	U	
AROCLOR-1242	0.21	U	U	
AROCLOR-1248	0.19	U	U	
AROCLOR-1254	0.25	U	U	
AROCLOR-1260	0.27	U	U	

Parameter	Result	Lab Qual	Val Qual	Qual Code
AROCLOR-1016	0.41	U	U	
AROCLOR-1221	0.18	U	U	
AROCLOR-1232	0.29	U	U	
AROCLOR-1242	0.22	U	U	
AROCLOR-1248	0.2	U	U	
AROCLOR-1254	0.26	U	U	
AROCLOR-1260	0.28	U	U	

PROJ_NO: 00389

SDG: CTO29-1 MEDIA: WATER DATA FRACTION: PEST/PCB

nsample	OLFS4-MW42-0607	nsample	OLFS4-MW43-0607	nsample	OLFS4-MW44-0607
samp_date	6/14/2007	samp_date	6/14/2007	samp_date	6/13/2007
lab_id	SA3013-19	lab_id	SA3013-21	lab_id	SA3013-17
qc_type	NM	qc_type	NM	qc_type	NM
units	UG/L	units	UG/L	units	UG/L
Pct_Solids	0.0	Pct_Solids	0.0	Pct_Solids	0.0
DUP_OF:		DUP_OF:		DUP_OF:	

Parameter	Result	Lab Qual	Val Qual	Qual Code
AROCLOR-1016	0.41	U	U	
AROCLOR-1221	0.17	U	U	
AROCLOR-1232	0.28	U	U	
AROCLOR-1242	0.21	U	U	
AROCLOR-1248	0.19	U	U	
AROCLOR-1254	0.26	U	U	
AROCLOR-1260	0.28	U	U	

Parameter	Result	Lab Qual	Val Qual	Qual Code
AROCLOR-1016	0.4	U	U	
AROCLOR-1221	0.17	U	U	
AROCLOR-1232	0.28	U	U	
AROCLOR-1242	0.21	U	U	
AROCLOR-1248	0.19	U	U	
AROCLOR-1254	0.25	U	U	
AROCLOR-1260	0.27	U	U	

Parameter	Result	Lab Qual	Val Qual	Qual Code
AROCLOR-1016	0.38	U	U	
AROCLOR-1221	0.16	U	U	
AROCLOR-1232	0.27	U	U	
AROCLOR-1242	0.2	U	U	
AROCLOR-1248	0.18	U	U	
AROCLOR-1254	0.24	U	U	
AROCLOR-1260	0.26	U	U	

PROJ_NO: 00389

SDG: CTO29-1 MEDIA: WATER DATA FRACTION: PEST/PCB

nsample	OLFS4-MW45-0607	nsample	OLFS4-MW46-0607
samp_date	6/13/2007	samp_date	6/13/2007
lab_id	SA3013-13	lab_id	SA3013-15
qc_type	NM	qc_type	NM
units	UG/L	units	UG/L
Pct_Solids	0.0	Pct_Solids	0.0
DUP_OF:		DUP_OF:	

Parameter	Result	Lab Qual	Val Qual	Qual Code
AROCLOR-1016	0.39	U	U	
AROCLOR-1221	0.17	U	U	
AROCLOR-1232	0.27	U	U	
AROCLOR-1242	0.2	U	U	
AROCLOR-1248	0.19	U	U	
AROCLOR-1254	0.24	U	U	
AROCLOR-1260	0.26	U	U	

Parameter	Result	Lab Qual	Val Qual	Qual Code
AROCLOR-1016	0.41	U	U	
AROCLOR-1221	0.18	U	U	
AROCLOR-1232	0.29	U	U	
AROCLOR-1242	0.22	U	U	
AROCLOR-1248	0.2	U	U	
AROCLOR-1254	0.26	U	U	
AROCLOR-1260	0.28	U	U	

PROJ_NO: 00389

SDG: CTO29-1 MEDIA: WATER DATA FRACTION: PET

nsample	OLFS4-MW37-0607	nsample	OLFS4-MW37-0607-D	nsample	OLFS4-MW38-0607
samp_date	6/12/2007	samp_date	6/12/2007	samp_date	6/13/2007
lab_id	SA3013-3	lab_id	SA3013-5	lab_id	SA3013-9
qc_type	NM	qc_type	NM	qc_type	NM
units	UG/L	units	UG/L	units	UG/L
Pct_Solids	0.0	Pct_Solids	0.0	Pct_Solids	0.0
DUP_OF:		DUP_OF:	OLFS4-MW37-0607	DUP_OF:	

Parameter	Result	Lab Qual	Val Qual	Qual Code
TPH (C08-C40)	300	U	U	

Parameter	Result	Lab Qual	Val Qual	Qual Code
TPH (C08-C40)	300	U	U	

Parameter	Result	Lab Qual	Val Qual	Qual Code
TPH (C08-C40)	300	U	U	

PROJ_NO: 00389

SDG: CTO29-1 MEDIA: WATER DATA FRACTION: PET

nsample	OLFS4-MW39-0607	nsample	OLFS4-MW40-0607	nsample	OLFS4-MW41-0607
samp_date	6/12/2007	samp_date	6/12/2007	samp_date	6/13/2007
lab_id	SA3013-7	lab_id	SA3013-1	lab_id	SA3013-11
qc_type	NM	qc_type	NM	qc_type	NM
units	UG/L	units	UG/L	units	UG/L
Pct_Solids	0.0	Pct_Solids	0.0	Pct_Solids	0.0
DUP_OF:		DUP_OF:		DUP_OF:	

Parameter	Result	Lab Qual	Val Qual	Qual Code
TPH (C08-C40)	290	U	U	

Parameter	Result	Lab Qual	Val Qual	Qual Code
TPH (C08-C40)	300	U	U	

Parameter	Result	Lab Qual	Val Qual	Qual Code
TPH (C08-C40)	300	U	U	

PROJ_NO: 00389

SDG: CTO29-1 MEDIA: WATER DATA FRACTION: PET

nsample	OLFS4-MW42-0607RA2	nsample	OLFS4-MW43-0607RA	nsample	OLFS4-MW44-0607RA2
samp_date	6/14/2007	samp_date	6/14/2007	samp_date	6/13/2007
lab_id	SA3013-19RA2	lab_id	SA3013-21RA	lab_id	SA3013-17RA2
qc_type	NM	qc_type	NM	qc_type	NM
units	UG/L	units	UG/L	units	UG/L
Pct_Solids	0.0	Pct_Solids	0.0	Pct_Solids	0.0
DUP_OF:		DUP_OF:		DUP_OF:	

Parameter	Result	Lab Qual	Val Qual	Qual Code
TPH (C08-C40)	300	U	U	

Parameter	Result	Lab Qual	Val Qual	Qual Code
TPH (C08-C40)	300	U	U	

Parameter	Result	Lab Qual	Val Qual	Qual Code
TPH (C08-C40)	390	I	J	PR

PROJ_NO: 00389

SDG: CTO29-1 MEDIA: WATER DATA FRACTION: PET

nsample	OLFS4-MW45-0607RA2	nsample	OLFS4-MW46-0607RA2
samp_date	6/13/2007	samp_date	6/13/2007
lab_id	SA3013-13RA2	lab_id	SA3013-15RA2
qc_type	NM	qc_type	NM
units	UG/L	units	UG/L
Pct_Solids	0.0	Pct_Solids	0.0
DUP_OF:		DUP_OF:	

Parameter	Result	Lab Qual	Val Qual	Qual Code
TPH (C08-C40)	330	I	J	P

Parameter	Result	Lab Qual	Val Qual	Qual Code
TPH (C08-C40)	300	I	J	P

PROJ_NO: 00389

SDG: CTO29-1 MEDIA: WATER DATA FRACTION: OVGC

nsample	OLFS4-MW37-0607	nsample	OLFS4-MW37-0607-D	nsample	OLFS4-MW38-0607
samp_date	6/12/2007	samp_date	6/12/2007	samp_date	6/13/2007
lab_id	SA3013-3	lab_id	SA3013-5	lab_id	SA3013-9
qc_type	NM	qc_type	NM	qc_type	NM
units	UG/L	units	UG/L	units	UG/L
Pct_Solids	0.0	Pct_Solids	0.0	Pct_Solids	0.0
DUP_OF:		DUP_OF:	OLFS4-MW37-0607	DUP_OF:	

Parameter	Result	Lab Qual	Val Qual	Qual Code
1,2-DIBROMOETHANE	0.0068	U	U	

Parameter	Result	Lab Qual	Val Qual	Qual Code
1,2-DIBROMOETHANE	0.0067	U	U	

Parameter	Result	Lab Qual	Val Qual	Qual Code
1,2-DIBROMOETHANE	0.0067	U	U	

PROJ_NO: 00389

SDG: CTO29-1 MEDIA: WATER DATA FRACTION: OVGC

nsample	OLFS4-MW39-0607	nsample	OLFS4-MW40-0607	nsample	OLFS4-MW41-0607
samp_date	6/12/2007	samp_date	6/12/2007	samp_date	6/13/2007
lab_id	SA3013-7	lab_id	SA3013-1	lab_id	SA3013-11
qc_type	NM	qc_type	NM	qc_type	NM
units	UG/L	units	UG/L	units	UG/L
Pct_Solids	0.0	Pct_Solids	0.0	Pct_Solids	0.0
DUP_OF:		DUP_OF:		DUP_OF:	

Parameter	Result	Lab Qual	Val Qual	Qual Code
1,2-DIBROMOETHANE	0.0067	U	U	

Parameter	Result	Lab Qual	Val Qual	Qual Code
1,2-DIBROMOETHANE	0.0067	U	U	

Parameter	Result	Lab Qual	Val Qual	Qual Code
1,2-DIBROMOETHANE	0.0068	U	U	

PROJ_NO: 00389

SDG: CTO29-1 MEDIA: WATER DATA FRACTION: OVGC

nsample	OLFS4-MW42-0607	nsample	OLFS4-MW43-0607	nsample	OLFS4-MW44-0607
samp_date	6/14/2007	samp_date	6/14/2007	samp_date	6/13/2007
lab_id	SA3013-19	lab_id	SA3013-21	lab_id	SA3013-17
qc_type	NM	qc_type	NM	qc_type	NM
units	UG/L	units	UG/L	units	UG/L
Pct_Solids	0.0	Pct_Solids	0.0	Pct_Solids	0.0
DUP_OF:		DUP_OF:		DUP_OF:	

Parameter	Result	Lab Qual	Val Qual	Qual Code
1,2-DIBROMOETHANE	0.0066	U	U	

Parameter	Result	Lab Qual	Val Qual	Qual Code
1,2-DIBROMOETHANE	0.0066	U	U	

Parameter	Result	Lab Qual	Val Qual	Qual Code
1,2-DIBROMOETHANE	0.0067	U	U	

PROJ_NO: 00389

SDG: CTO29-1 MEDIA: WATER DATA FRACTION: OVGC

nsample	OLFS4-MW45-0607	nsample	OLFS4-MW46-0607
samp_date	6/13/2007	samp_date	6/13/2007
lab_id	SA3013-13	lab_id	SA3013-15
qc_type	NM	qc_type	NM
units	UG/L	units	UG/L
Pct_Solids	0.0	Pct_Solids	0.0
DUP_OF:		DUP_OF:	

Parameter	Result	Lab Qual	Val Qual	Qual Code
1,2-DIBROMOETHANE	0.0067	U	U	

Parameter	Result	Lab Qual	Val Qual	Qual Code
1,2-DIBROMOETHANE	0.0066	U	U	

APPENDIX B

RESULTS AS REPORTED BY THE LABORATORY

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 0029 NAS Pensacola
PO No:
Sample Date: 06/12/07
Received Date: 06/15/07
Extraction Date:
Analysis Date: 24-JUN-2007 04:52
Report Date: 07/09/2007
Matrix: WATER
% Solids: NA

Lab ID: SA3013-1
Client ID: OLFS4-MW40-0607
SDG: CTO29-1
Extracted by:
Extraction Method: SW846 5030
Analyst: JSS
Analysis Method: SW846 8260B
Lab Prep Batch: WG40398
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	0.4	1.0	2	2	0.4
74-87-3	Chloromethane	U	0.6	1.0	2	2	0.6
75-01-4	Vinyl chloride	U	0.4	1.0	2	2	0.4
74-83-9	Bromomethane	U	0.9	1.0	2	2	0.9
75-00-3	Chloroethane	U	0.5	1.0	2	2	0.5
75-69-4	Trichlorofluoromethane	U	0.4	1.0	2	2	0.4
75-35-4	1,1-Dichloroethene	U	0.4	1.0	1	1	0.4
75-09-2	Methylene Chloride	U	0.4	1.0	5	5	0.4
156-60-5	trans-1,2-Dichloroethene	U	0.5	1.0	1	1	0.5
75-34-3	1,1-Dichloroethane	U	0.4	1.0	1	1	0.4
67-66-3	Chloroform	U	0.4	1.0	1	1	0.4
71-55-6	1,1,1-Trichloroethane	U	0.4	1.0	1	1	0.4
107-06-2	1,2-Dichloroethane	U	0.3	1.0	1	1	0.3
56-23-5	Carbon Tetrachloride	U	0.4	1.0	1	1	0.4
71-43-2	Benzene	U	0.4	1.0	1	1	0.4
78-87-5	1,2-Dichloropropane	U	0.5	1.0	1	1	0.5
79-01-6	Trichloroethene	U	0.5	1.0	1	1	0.5
74-95-3	Dibromomethane	U	0.4	1.0	1	1	0.4
75-27-4	Bromodichloromethane	U	0.3	1.0	1	1	0.3
10061-01-5	cis-1,3-dichloropropene	U	0.4	1.0	1	1	0.4
108-88-3	Toluene	U	0.3	1.0	1	1	0.3
10061-02-6	trans-1,3-Dichloropropene	U	0.2	1.0	1	1	0.2
79-00-5	1,1,2-Trichloroethane	U	0.4	1.0	1	1	0.4
124-48-1	Dibromochloromethane	U	0.3	1.0	1	1	0.3
127-18-4	Tetrachloroethene	U	0.5	1.0	1	1	0.5
106-93-4	1,2-Dibromoethane	U	0.3	1.0	1	1	0.3
108-90-7	Chlorobenzene	U	0.4	1.0	1	1	0.4
630-20-6	1,1,1,2-Tetrachloroethane	U	0.5	1.0	1	1	0.5
100-41-4	Ethylbenzene	U	0.4	1.0	1	1	0.4
75-25-2	Bromoform	U	0.3	1.0	1	1	0.3
100-42-5	Styrene	U	0.3	1.0	1	1	0.3
79-34-5	1,1,2,2-Tetrachloroethane	U	0.5	1.0	1	1	0.5
96-18-4	1,2,3-Trichloropropane	U	0.4	1.0	1	1	0.4
96-12-8	1,2-Dibromo-3-Chloropropane	U	0.7	1.0	1	1	0.7
67-64-1	Acetone	I	4	1.0	5	5	3
78-93-3	2-Butanone	U	2	1.0	5	5	2
108-10-1	4-methyl-2-pentanone	U	2	1.0	5	5	2
591-78-6	2-Hexanone	U	1	1.0	5	5	1
	m+p-Xylenes	U	1.0	1.0	2	2	1.0
95-47-6	o-Xylene	U	0.4	1.0	1	1	0.4
108-05-4	Vinyl Acetate	U	0.4	1.0	1	1	0.4
75-15-0	Carbon Disulfide	U	0.5	1.0	1	1	0.5
75-05-8	Acetonitrile	U	16	1.0	25	25	16

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 0029 NAS Pensacola
PO No:
Sample Date: 06/12/07
Received Date: 06/15/07
Extraction Date:
Analysis Date: 24-JUN-2007 04:52
Report Date: 07/09/2007
Matrix: WATER
% Solids: NA

Lab ID: SA3013-1
Client ID: OLFS4-MW40-0607
SDG: CTO29-1
Extracted by:
Extraction Method: SW846 5030
Analyst: JSS
Analysis Method: SW846 8260B
Lab Prep Batch: WG40398
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
107-02-8	Acrolein	U	3	1.0	10	10	3
107-13-1	Acrylonitrile	U	2	1.0	5	5	2
126-99-8	Chloroprene	U	0.3	1.0	1	1	0.3
107-05-1	Allyl Chloride	U	0.5	1.0	1	1	0.5
123-91-1	1,4-Dioxane	U	12	1.0	100	100	12
107-12-0	Propionitrile	U	5	1.0	10	10	5
97-63-2	Ethyl Methacrylate	U	0.3	1.0	1	1	0.3
74-88-4	Iodomethane	U	0.4	1.0	1	1	0.4
78-83-1	Isobutyl Alcohol	U	10	1.0	20	20	10
126-98-7	Methacrylonitrile	U	3	1.0	10	10	3
80-62-6	Methyl Methacrylate	U	0.3	1.0	1	1	0.3
76-01-1	Pentachloroethane	U	0.3	1.0	1	1	0.3
110-57-6	trans-1,4-Dichloro-2-Butene	U	0.5	1.0	1	1	0.5
120-82-1	1,2,4-Trichlorobenzene	U	0.3	1.0	1	1	0.3
95-50-1	1,2-Dichlorobenzene	U	0.4	1.0	1	1	0.4
541-73-1	1,3-Dichlorobenzene	U	0.4	1.0	1	1	0.4
106-46-7	1,4-Dichlorobenzene	U	0.5	1.0	1	1	0.5
156-59-2	cis-1,2-Dichloroethene	U	0.3	1.0	1	1	0.3
1634-04-4	Methyl tert-butyl ether	U	0.6	1.0	1	1	0.6
1330-20-7	Xylenes (total)	U	1	1.0	3	3	1
76-13-1	Freon-113	U	0.4	1.0	1	1	0.4
1735-17-7	Cyclohexane	U	0.6	1.0	1	1	0.6
98-82-8	Isopropylbenzene	U	0.5	1.0	1	1	0.5
79-20-9	Methyl Acetate	U	0.9	1.0	1	1	0.9
108-87-2	Methylcyclohexane	U	0.3	1.0	1	1	0.3
1868-53-7	Dibromofluoromethane		92%				
17060-07-0	1,2-Dichloroethane-D4		96%				
2037-26-5	Toluene-D8		92%				
460-00-4	P-Bromofluorobenzene		96%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 0029 NAS Pensacola
PO No:
Sample Date: 06/12/07
Received Date: 06/15/07
Extraction Date:
Analysis Date: 24-JUN-2007 05:25
Report Date: 07/09/2007
Matrix: WATER
% Solids: NA

Lab ID: SA3013-3
Client ID: OLFS4-MW37-0607
SDG: CTO29-1
Extracted by:
Extraction Method: SW846 5030
Analyst: JSS
Analysis Method: SW846 8260B
Lab Prep Batch: WG40398
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	0.4	1.0	2	2	0.4
74-87-3	Chloromethane	U	0.6	1.0	2	2	0.6
75-01-4	Vinyl chloride	U	0.4	1.0	2	2	0.4
74-83-9	Bromomethane	U	0.9	1.0	2	2	0.9
75-00-3	Chloroethane	U	0.5	1.0	2	2	0.5
75-69-4	Trichlorofluoromethane	U	0.4	1.0	2	2	0.4
75-35-4	1,1-Dichloroethene	U	0.4	1.0	1	1	0.4
75-09-2	Methylene Chloride	U	0.4	1.0	5	5	0.4
156-60-5	trans-1,2-Dichloroethene	U	0.5	1.0	1	1	0.5
75-34-3	1,1-Dichloroethane	U	0.4	1.0	1	1	0.4
67-66-3	Chloroform	U	0.4	1.0	1	1	0.4
71-55-6	1,1,1-Trichloroethane	U	0.4	1.0	1	1	0.4
107-06-2	1,2-Dichloroethane	U	0.3	1.0	1	1	0.3
56-23-5	Carbon Tetrachloride	U	0.4	1.0	1	1	0.4
71-43-2	Benzene	U	0.4	1.0	1	1	0.4
78-87-5	1,2-Dichloropropane	U	0.5	1.0	1	1	0.5
79-01-6	Trichloroethene	U	0.5	1.0	1	1	0.5
74-95-3	Dibromomethane	U	0.4	1.0	1	1	0.4
75-27-4	Bromodichloromethane	U	0.3	1.0	1	1	0.3
10061-01-5	cis-1,3-dichloropropene	U	0.4	1.0	1	1	0.4
108-88-3	Toluene	U	0.3	1.0	1	1	0.3
10061-02-6	trans-1,3-Dichloropropene	U	0.2	1.0	1	1	0.2
79-00-5	1,1,2-Trichloroethane	U	0.4	1.0	1	1	0.4
124-48-1	Dibromochloromethane	U	0.3	1.0	1	1	0.3
127-18-4	Tetrachloroethene	U	0.5	1.0	1	1	0.5
106-93-4	1,2-Dibromoethane	U	0.3	1.0	1	1	0.3
108-90-7	Chlorobenzene	U	0.4	1.0	1	1	0.4
630-20-6	1,1,1,2-Tetrachloroethane	U	0.5	1.0	1	1	0.5
100-41-4	Ethylbenzene	U	0.4	1.0	1	1	0.4
75-25-2	Bromoform	U	0.3	1.0	1	1	0.3
100-42-5	Styrene	U	0.3	1.0	1	1	0.3
79-34-5	1,1,2,2-Tetrachloroethane	U	0.5	1.0	1	1	0.5
96-18-4	1,2,3-Trichloropropane	U	0.4	1.0	1	1	0.4
96-12-8	1,2-Dibromo-3-Chloropropane	U	0.7	1.0	1	1	0.7
67-64-1	Acetone		6	1.0	5	5	3
78-93-3	2-Butanone	U	2	1.0	5	5	2
108-10-1	4-methyl-2-pentanone	U	2	1.0	5	5	2
591-78-6	2-Hexanone	U	1	1.0	5	5	1
	m+p-Xylenes	U	1.0	1.0	2	2	1.0
95-47-6	o-Xylene	U	0.4	1.0	1	1	0.4
108-05-4	Vinyl Acetate	U	0.4	1.0	1	1	0.4
75-15-0	Carbon Disulfide	U	0.5	1.0	1	1	0.5
75-05-8	Acetonitrile	U	16	1.0	25	25	16

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 0029 NAS Pensacola
PO No:
Sample Date: 06/12/07
Received Date: 06/15/07
Extraction Date:
Analysis Date: 24-JUN-2007 05:25
Report Date: 07/09/2007
Matrix: WATER
% Solids: NA

Lab ID: SA3013-3
Client ID: OLFS4-MW37-0607
SDG: CTO29-1
Extracted by:
Extraction Method: SW846 5030
Analyst: JSS
Analysis Method: SW846 8260B
Lab Prep Batch: WG40398
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
107-02-8	Acrolein	U	3	1.0	10	10	3
107-13-1	Acrylonitrile	U	2	1.0	5	5	2
126-99-8	Chloroprene	U	0.3	1.0	1	1	0.3
107-05-1	Allyl Chloride	U	0.5	1.0	1	1	0.5
123-91-1	1,4-Dioxane	U	12	1.0	100	100	12
107-12-0	Propionitrile	U	5	1.0	10	10	5
97-63-2	Ethyl Methacrylate	U	0.3	1.0	1	1	0.3
74-88-4	Iodomethane	U	0.4	1.0	1	1	0.4
78-83-1	Isobutyl Alcohol	U	10	1.0	20	20	10
126-98-7	Methacrylonitrile	U	3	1.0	10	10	3
80-62-6	Methyl Methacrylate	U	0.3	1.0	1	1	0.3
76-01-1	Pentachloroethane	U	0.3	1.0	1	1	0.3
110-57-6	trans-1,4-Dichloro-2-Butene	U	0.5	1.0	1	1	0.5
120-82-1	1,2,4-Trichlorobenzene	U	0.3	1.0	1	1	0.3
95-50-1	1,2-Dichlorobenzene	U	0.4	1.0	1	1	0.4
541-73-1	1,3-Dichlorobenzene	U	0.4	1.0	1	1	0.4
106-46-7	1,4-Dichlorobenzene	U	0.5	1.0	1	1	0.5
156-59-2	cis-1,2-Dichloroethene	U	0.3	1.0	1	1	0.3
1634-04-4	Methyl tert-butyl ether	U	0.6	1.0	1	1	0.6
1330-20-7	Xylenes (total)	U	1	1.0	3	3	1
76-13-1	Freon-113	U	0.4	1.0	1	1	0.4
1735-17-7	Cyclohexane	U	0.6	1.0	1	1	0.6
98-82-8	Isopropylbenzene	U	0.5	1.0	1	1	0.5
79-20-9	Methyl Acetate	U	0.9	1.0	1	1	0.9
108-87-2	Methylcyclohexane	U	0.3	1.0	1	1	0.3
1868-53-7	Dibromofluoromethane		96%				
17060-07-0	1,2-Dichloroethane-D4		105%				
2037-26-5	Toluene-D8		94%				
460-00-4	P-Bromofluorobenzene		103%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 0029 NAS Pensacola
PO No:
Sample Date: 06/12/07
Received Date: 06/15/07
Extraction Date:
Analysis Date: 24-JUN-2007 05:57
Report Date: 07/09/2007
Matrix: WATER
% Solids: NA

Lab ID: SA3013-5
Client ID: OLFS4-MW37-0607-D
SDG: CTO29-1
Extracted by:
Extraction Method: SW846 5030
Analyst: JSS
Analysis Method: SW846 8260B
Lab Prep Batch: WG40398
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	0.4	1.0	2	2	0.4
74-87-3	Chloromethane	U	0.6	1.0	2	2	0.6
75-01-4	Vinyl chloride	U	0.4	1.0	2	2	0.4
74-83-9	Bromomethane	U	0.9	1.0	2	2	0.9
75-00-3	Chloroethane	U	0.5	1.0	2	2	0.5
75-69-4	Trichlorofluoromethane	U	0.4	1.0	2	2	0.4
75-35-4	1,1-Dichloroethene	U	0.4	1.0	1	1	0.4
75-09-2	Methylene Chloride	U	0.4	1.0	5	5	0.4
156-60-5	trans-1,2-Dichloroethene	U	0.5	1.0	1	1	0.5
75-34-3	1,1-Dichloroethane	U	0.4	1.0	1	1	0.4
67-66-3	Chloroform	U	0.4	1.0	1	1	0.4
71-55-6	1,1,1-Trichloroethane	U	0.4	1.0	1	1	0.4
107-06-2	1,2-Dichloroethane	U	0.3	1.0	1	1	0.3
56-23-5	Carbon Tetrachloride	U	0.4	1.0	1	1	0.4
71-43-2	Benzene	U	0.4	1.0	1	1	0.4
78-87-5	1,2-Dichloropropane	U	0.5	1.0	1	1	0.5
79-01-6	Trichloroethene	U	0.5	1.0	1	1	0.5
74-95-3	Dibromomethane	U	0.4	1.0	1	1	0.4
75-27-4	Bromodichloromethane	U	0.3	1.0	1	1	0.3
10061-01-5	cis-1,3-dichloropropene	U	0.4	1.0	1	1	0.4
108-88-3	Toluene	U	0.3	1.0	1	1	0.3
10061-02-6	trans-1,3-Dichloropropene	U	0.2	1.0	1	1	0.2
79-00-5	1,1,2-Trichloroethane	U	0.4	1.0	1	1	0.4
124-48-1	Dibromochloromethane	U	0.3	1.0	1	1	0.3
127-18-4	Tetrachloroethene	U	0.5	1.0	1	1	0.5
106-93-4	1,2-Dibromoethane	U	0.3	1.0	1	1	0.3
108-90-7	Chlorobenzene	U	0.4	1.0	1	1	0.4
630-20-6	1,1,1,2-Tetrachloroethane	U	0.5	1.0	1	1	0.5
100-41-4	Ethylbenzene	U	0.4	1.0	1	1	0.4
75-25-2	Bromoform	U	0.3	1.0	1	1	0.3
100-42-5	Styrene	U	0.3	1.0	1	1	0.3
79-34-5	1,1,2,2-Tetrachloroethane	U	0.5	1.0	1	1	0.5
96-18-4	1,2,3-Trichloropropane	U	0.4	1.0	1	1	0.4
96-12-8	1,2-Dibromo-3-Chloropropane	U	0.7	1.0	1	1	0.7
67-64-1	Acetone		8	1.0	5	5	3
78-93-3	2-Butanone	U	2	1.0	5	5	2
108-10-1	4-methyl-2-pentanone	U	2	1.0	5	5	2
591-78-6	2-Hexanone	U	1	1.0	5	5	1
	m+p-Xylenes	U	1.0	1.0	2	2	1.0
95-47-6	o-Xylene	U	0.4	1.0	1	1	0.4
108-05-4	Vinyl Acetate	U	0.4	1.0	1	1	0.4
75-15-0	Carbon Disulfide	U	0.5	1.0	1	1	0.5
75-05-8	Acetonitrile	U	16	1.0	25	25	16

Sample Data Summary A0000007

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 0029 NAS Pensacola
PO No:
Sample Date: 06/12/07
Received Date: 06/15/07
Extraction Date:
Analysis Date: 24-JUN-2007 05:57
Report Date: 07/09/2007
Matrix: WATER
% Solids: NA

Lab ID: SA3013-5
Client ID: OLFS4-MW37-0607-D
SDG: CTO29-1
Extracted by:
Extraction Method: SW846 5030
Analyst: JSS
Analysis Method: SW846 8260B
Lab Prep Batch: WG40398
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
107-02-8	Acrolein	U	3	1.0	10	10	3
107-13-1	Acrylonitrile	U	2	1.0	5	5	2
126-99-8	Chloroprene	U	0.3	1.0	1	1	0.3
107-05-1	Allyl Chloride	U	0.5	1.0	1	1	0.5
123-91-1	1,4-Dioxane	U	12	1.0	100	100	12
107-12-0	Propionitrile	U	5	1.0	10	10	5
97-63-2	Ethyl Methacrylate	U	0.3	1.0	1	1	0.3
74-88-4	Iodomethane	U	0.4	1.0	1	1	0.4
78-83-1	Isobutyl Alcohol	U	10	1.0	20	20	10
126-98-7	Methacrylonitrile	U	3	1.0	10	10	3
80-62-6	Methyl Methacrylate	U	0.3	1.0	1	1	0.3
76-01-1	Pentachloroethane	U	0.3	1.0	1	1	0.3
110-57-6	trans-1,4-Dichloro-2-Butene	U	0.5	1.0	1	1	0.5
120-82-1	1,2,4-Trichlorobenzene	U	0.3	1.0	1	1	0.3
95-50-1	1,2-Dichlorobenzene	U	0.4	1.0	1	1	0.4
541-73-1	1,3-Dichlorobenzene	U	0.4	1.0	1	1	0.4
106-46-7	1,4-Dichlorobenzene	U	0.5	1.0	1	1	0.5
156-59-2	cis-1,2-Dichloroethene	U	0.3	1.0	1	1	0.3
1634-04-4	Methyl tert-butyl ether	U	0.6	1.0	1	1	0.6
1330-20-7	Xylenes (total)	U	1	1.0	3	3	1
76-13-1	Freon-113	U	0.4	1.0	1	1	0.4
1735-17-7	Cyclohexane	U	0.6	1.0	1	1	0.6
98-82-8	Isopropylbenzene	U	0.5	1.0	1	1	0.5
79-20-9	Methyl Acetate	U	0.9	1.0	1	1	0.9
108-87-2	Methylcyclohexane	U	0.3	1.0	1	1	0.3
1868-53-7	Dibromofluoromethane		100%				
17060-07-0	1,2-Dichloroethane-D4		111%				
2037-26-5	Toluene-D8		95%				
460-00-4	P-Bromofluorobenzene		101%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 0029 NAS Pensacola
PO No:
Sample Date: 06/12/07
Received Date: 06/15/07
Extraction Date:
Analysis Date: 24-JUN-2007 06:30
Report Date: 07/09/2007
Matrix: WATER
% Solids: NA

Lab ID: SA3013-7
Client ID: OLFS4-MW39-0607
SDG: CTO29-1
Extracted by:
Extraction Method: SW846 5030
Analyst: JSS
Analysis Method: SW846 8260B
Lab Prep Batch: WG40398
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	0.4	1.0	2	2	0.4
74-87-3	Chloromethane	U	0.6	1.0	2	2	0.6
75-01-4	Vinyl chloride	U	0.4	1.0	2	2	0.4
74-83-9	Bromomethane	U	0.9	1.0	2	2	0.9
75-00-3	Chloroethane	U	0.5	1.0	2	2	0.5
75-69-4	Trichlorofluoromethane	U	0.4	1.0	2	2	0.4
75-35-4	1,1-Dichloroethene	U	0.4	1.0	1	1	0.4
75-09-2	Methylene Chloride	U	0.4	1.0	5	5	0.4
156-60-5	trans-1,2-Dichloroethene	U	0.5	1.0	1	1	0.5
75-34-3	1,1-Dichloroethane	U	0.4	1.0	1	1	0.4
67-66-3	Chloroform		3	1.0	1	1	0.4
71-55-6	1,1,1-Trichloroethane	U	0.4	1.0	1	1	0.4
107-06-2	1,2-Dichloroethane	U	0.3	1.0	1	1	0.3
56-23-5	Carbon Tetrachloride	U	0.4	1.0	1	1	0.4
71-43-2	Benzene	U	0.4	1.0	1	1	0.4
78-87-5	1,2-Dichloropropane	U	0.5	1.0	1	1	0.5
79-01-6	Trichloroethene	U	0.5	1.0	1	1	0.5
74-95-3	Dibromomethane	U	0.4	1.0	1	1	0.4
75-27-4	Bromodichloromethane	I	0.6	1.0	1	1	0.3
10061-01-5	cis-1,3-dichloropropene	U	0.4	1.0	1	1	0.4
108-88-3	Toluene	U	0.3	1.0	1	1	0.3
10061-02-6	trans-1,3-Dichloropropene	U	0.2	1.0	1	1	0.2
79-00-5	1,1,2-Trichloroethane	U	0.4	1.0	1	1	0.4
124-48-1	Dibromochloromethane	I	0.5	1.0	1	1	0.3
127-18-4	Tetrachloroethene	U	0.5	1.0	1	1	0.5
106-93-4	1,2-Dibromoethane	U	0.3	1.0	1	1	0.3
108-90-7	Chlorobenzene	U	0.4	1.0	1	1	0.4
630-20-6	1,1,1,2-Tetrachloroethane	U	0.5	1.0	1	1	0.5
100-41-4	Ethylbenzene	U	0.4	1.0	1	1	0.4
75-25-2	Bromoform	I	0.4	1.0	1	1	0.3
100-42-5	Styrene	U	0.3	1.0	1	1	0.3
79-34-5	1,1,2,2-Tetrachloroethane	U	0.5	1.0	1	1	0.5
96-18-4	1,2,3-Trichloropropane	U	0.4	1.0	1	1	0.4
96-12-8	1,2-Dibromo-3-Chloropropane	U	0.7	1.0	1	1	0.7
67-64-1	Acetone	I	4	1.0	5	5	3
78-93-3	2-Butanone	U	2	1.0	5	5	2
108-10-1	4-methyl-2-pentanone	U	2	1.0	5	5	2
591-78-6	2-Hexanone	U	1	1.0	5	5	1
	m+p-Xylenes	U	1.0	1.0	2	2	1.0
95-47-6	o-Xylene	U	0.4	1.0	1	1	0.4
108-05-4	Vinyl Acetate	U	0.4	1.0	1	1	0.4
75-15-0	Carbon Disulfide	U	0.5	1.0	1	1	0.5
75-05-8	Acetonitrile	U	16	1.0	25	25	16

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 0029 NAS Pensacola
PO No:
Sample Date: 06/12/07
Received Date: 06/15/07
Extraction Date:
Analysis Date: 24-JUN-2007 06:30
Report Date: 07/09/2007
Matrix: WATER
% Solids: NA

Lab ID: SA3013-7
Client ID: OLFS4-MW39-0607
SDG: CTO29-1
Extracted by:
Extraction Method: SW846 5030
Analyst: JSS
Analysis Method: SW846 8260B
Lab Prep Batch: WG40398
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
107-02-8	Acrolein	U	3	1.0	10	10	3
107-13-1	Acrylonitrile	U	2	1.0	5	5	2
126-99-8	Chloroprene	U	0.3	1.0	1	1	0.3
107-05-1	Allyl Chloride	U	0.5	1.0	1	1	0.5
123-91-1	1,4-Dioxane	U	12	1.0	100	100	12
107-12-0	Propionitrile	U	5	1.0	10	10	5
97-63-2	Ethyl Methacrylate	U	0.3	1.0	1	1	0.3
74-88-4	Iodomethane	U	0.4	1.0	1	1	0.4
78-83-1	Isobutyl Alcohol	U	10	1.0	20	20	10
126-98-7	Methacrylonitrile	U	3	1.0	10	10	3
80-62-6	Methyl Methacrylate	U	0.3	1.0	1	1	0.3
76-01-1	Pentachloroethane	U	0.3	1.0	1	1	0.3
110-57-6	trans-1,4-Dichloro-2-Butene	U	0.5	1.0	1	1	0.5
120-82-1	1,2,4-Trichlorobenzene	U	0.3	1.0	1	1	0.3
95-50-1	1,2-Dichlorobenzene	U	0.4	1.0	1	1	0.4
541-73-1	1,3-Dichlorobenzene	U	0.4	1.0	1	1	0.4
106-46-7	1,4-Dichlorobenzene	U	0.5	1.0	1	1	0.5
156-59-2	cis-1,2-Dichloroethene	U	0.3	1.0	1	1	0.3
1634-04-4	Methyl tert-butyl ether	U	0.6	1.0	1	1	0.6
1330-20-7	Xylenes (total)	U	1	1.0	3	3	1
76-13-1	Freon-113	U	0.4	1.0	1	1	0.4
1735-17-7	Cyclohexane	U	0.6	1.0	1	1	0.6
98-82-8	Isopropylbenzene	U	0.5	1.0	1	1	0.5
79-20-9	Methyl Acetate	U	0.9	1.0	1	1	0.9
108-87-2	Methylcyclohexane	U	0.3	1.0	1	1	0.3
1868-53-7	Dibromofluoromethane		99%				
17060-07-0	1,2-Dichloroethane-D4		111%				
2037-26-5	Toluene-D8		95%				
460-00-4	P-Bromofluorobenzene		104%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 0029 NAS Pensacola
PO No:
Sample Date: 06/13/07
Received Date: 06/15/07
Extraction Date:
Analysis Date: 26-JUN-2007 11:35
Report Date: 07/09/2007
Matrix: WATER
% Solids: NA

Lab ID: SA3013-9
Client ID: OLFS4-MW38-0607
SDG: CTO29-1
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG40493
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	0.4	1.0	2	2	0.4
74-87-3	Chloromethane	U	0.6	1.0	2	2	0.6
75-01-4	Vinyl chloride	U	0.4	1.0	2	2	0.4
74-83-9	Bromomethane	U	0.9	1.0	2	2	0.9
75-00-3	Chloroethane	U	0.5	1.0	2	2	0.5
75-69-4	Trichlorofluoromethane	U	0.4	1.0	2	2	0.4
75-35-4	1,1-Dichloroethene	U	0.4	1.0	1	1	0.4
75-09-2	Methylene Chloride	U	0.4	1.0	5	5	0.4
156-60-5	trans-1,2-Dichloroethene	U	0.5	1.0	1	1	0.5
75-34-3	1,1-Dichloroethane	U	0.4	1.0	1	1	0.4
67-66-3	Chloroform	I	0.7	1.0	1	1	0.4
71-55-6	1,1,1-Trichloroethane	U	0.4	1.0	1	1	0.4
107-06-2	1,2-Dichloroethane	U	0.3	1.0	1	1	0.3
56-23-5	Carbon Tetrachloride	U	0.4	1.0	1	1	0.4
71-43-2	Benzene		1	1.0	1	1	0.4
78-87-5	1,2-Dichloropropane	U	0.5	1.0	1	1	0.5
79-01-6	Trichloroethene	U	0.5	1.0	1	1	0.5
74-95-3	Dibromomethane	U	0.4	1.0	1	1	0.4
75-27-4	Bromodichloromethane	U	0.3	1.0	1	1	0.3
10061-01-5	cis-1,3-dichloropropene	U	0.4	1.0	1	1	0.4
108-88-3	Toluene	U	0.3	1.0	1	1	0.3
10061-02-6	trans-1,3-Dichloropropene	U	0.2	1.0	1	1	0.2
79-00-5	1,1,2-Trichloroethane	U	0.4	1.0	1	1	0.4
124-48-1	Dibromochloromethane	U	0.3	1.0	1	1	0.3
127-18-4	Tetrachloroethene	U	0.5	1.0	1	1	0.5
106-93-4	1,2-Dibromoethane	U	0.3	1.0	1	1	0.3
108-90-7	Chlorobenzene	U	0.4	1.0	1	1	0.4
630-20-6	1,1,1,2-Tetrachloroethane	U	0.5	1.0	1	1	0.5
100-41-4	Ethylbenzene	U	0.4	1.0	1	1	0.4
75-25-2	Bromoform	U	0.3	1.0	1	1	0.3
100-42-5	Styrene	U	0.3	1.0	1	1	0.3
79-34-5	1,1,2,2-Tetrachloroethane	U	0.5	1.0	1	1	0.5
96-18-4	1,2,3-Trichloropropane	U	0.4	1.0	1	1	0.4
96-12-8	1,2-Dibromo-3-Chloropropane	U	0.7	1.0	1	1	0.7
67-64-1	Acetone	I	5	1.0	5	5	3
78-93-3	2-Butanone	I	4	1.0	5	5	2
108-10-1	4-methyl-2-pentanone	U	2	1.0	5	5	2
591-78-6	2-Hexanone	U	1	1.0	5	5	1
	m+p-Xylenes	U	1.0	1.0	2	2	1.0
95-47-6	o-Xylene	U	0.4	1.0	1	1	0.4
108-05-4	Vinyl Acetate	U	0.4	1.0	1	1	0.4
75-15-0	Carbon Disulfide	U	0.5	1.0	1	1	0.5
75-05-8	Acetonitrile	U	16	1.0	25	25	16

Sample Data Summary A0000011

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 0029 NAS Pensacola
PO No:
Sample Date: 06/13/07
Received Date: 06/15/07
Extraction Date:
Analysis Date: 26-JUN-2007 11:35
Report Date: 07/09/2007
Matrix: WATER
% Solids: NA

Lab ID: SA3013-9
Client ID: OLFS4-MW38-0607
SDG: CTO29-1
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG40493
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
107-02-8	Acrolein	U	3	1.0	10	10	3
107-13-1	Acrylonitrile	U	2	1.0	5	5	2
126-99-8	Chloroprene	U	0.3	1.0	1	1	0.3
107-05-1	Allyl Chloride	U	0.5	1.0	1	1	0.5
123-91-1	1,4-Dioxane	U	12	1.0	100	100	12
107-12-0	Propionitrile	U	5	1.0	10	10	5
97-63-2	Ethyl Methacrylate	U	0.3	1.0	1	1	0.3
74-88-4	Iodomethane	U	0.4	1.0	1	1	0.4
78-83-1	Isobutyl Alcohol	U	10	1.0	20	20	10
126-98-7	Methacrylonitrile	U	3	1.0	10	10	3
80-62-6	Methyl Methacrylate	U	0.3	1.0	1	1	0.3
76-01-1	Pentachloroethane	U	0.3	1.0	1	1	0.3
110-57-6	trans-1,4-Dichloro-2-Butene	U	0.5	1.0	1	1	0.5
120-82-1	1,2,4-Trichlorobenzene	U	0.3	1.0	1	1	0.3
95-50-1	1,2-Dichlorobenzene	U	0.4	1.0	1	1	0.4
541-73-1	1,3-Dichlorobenzene	U	0.4	1.0	1	1	0.4
106-46-7	1,4-Dichlorobenzene	U	0.5	1.0	1	1	0.5
156-59-2	cis-1,2-Dichloroethene	U	0.3	1.0	1	1	0.3
1634-04-4	Methyl tert-butyl ether	U	0.6	1.0	1	1	0.6
1330-20-7	Xylenes (total)	U	1	1.0	3	3	1
76-13-1	Freon-113	U	0.4	1.0	1	1	0.4
1735-17-7	Cyclohexane	U	0.6	1.0	1	1	0.6
98-82-8	Isopropylbenzene	U	0.5	1.0	1	1	0.5
79-20-9	Methyl Acetate	U	0.9	1.0	1	1	0.9
108-87-2	Methylcyclohexane	U	0.3	1.0	1	1	0.3
1868-53-7	Dibromofluoromethane		91%				
17060-07-0	1,2-Dichloroethane-D4		100%				
2037-26-5	Toluene-D8		90%				
460-00-4	P-Bromofluorobenzene		94%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 0029 NAS Pensacola
PO No:
Sample Date: 06/13/07
Received Date: 06/15/07
Extraction Date:
Analysis Date: 26-JUN-2007 12:06
Report Date: 07/09/2007
Matrix: WATER
% Solids: NA

Lab ID: SA3013-11
Client ID: OLFS4-MW41-0607
SDG: CTO29-1
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG40493
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	0.4	1.0	2	2	0.4
74-87-3	Chloromethane	U	0.6	1.0	2	2	0.6
75-01-4	Vinyl chloride	U	0.4	1.0	2	2	0.4
74-83-9	Bromomethane	U	0.9	1.0	2	2	0.9
75-00-3	Chloroethane	U	0.5	1.0	2	2	0.5
75-69-4	Trichlorofluoromethane	U	0.4	1.0	2	2	0.4
75-35-4	1,1-Dichloroethene	U	0.4	1.0	1	1	0.4
75-09-2	Methylene Chloride	U	0.4	1.0	5	5	0.4
156-60-5	trans-1,2-Dichloroethene	U	0.5	1.0	1	1	0.5
75-34-3	1,1-Dichloroethane	U	0.4	1.0	1	1	0.4
67-66-3	Chloroform	U	0.4	1.0	1	1	0.4
71-55-6	1,1,1-Trichloroethane	U	0.4	1.0	1	1	0.4
107-06-2	1,2-Dichloroethane	U	0.3	1.0	1	1	0.3
56-23-5	Carbon Tetrachloride	U	0.4	1.0	1	1	0.4
71-43-2	Benzene	U	0.4	1.0	1	1	0.4
78-87-5	1,2-Dichloropropane	U	0.5	1.0	1	1	0.5
79-01-6	Trichloroethene	U	0.5	1.0	1	1	0.5
74-95-3	Dibromomethane	U	0.4	1.0	1	1	0.4
75-27-4	Bromodichloromethane	U	0.3	1.0	1	1	0.3
10061-01-5	cis-1,3-dichloropropene	U	0.4	1.0	1	1	0.4
108-88-3	Toluene	U	0.3	1.0	1	1	0.3
10061-02-6	trans-1,3-Dichloropropene	U	0.2	1.0	1	1	0.2
79-00-5	1,1,2-Trichloroethane	U	0.4	1.0	1	1	0.4
124-48-1	Dibromochloromethane	U	0.3	1.0	1	1	0.3
127-18-4	Tetrachloroethene	U	0.5	1.0	1	1	0.5
106-93-4	1,2-Dibromoethane	U	0.3	1.0	1	1	0.3
108-90-7	Chlorobenzene	U	0.4	1.0	1	1	0.4
630-20-6	1,1,1,2-Tetrachloroethane	U	0.5	1.0	1	1	0.5
100-41-4	Ethylbenzene	U	0.4	1.0	1	1	0.4
75-25-2	Bromoform	U	0.3	1.0	1	1	0.3
100-42-5	Styrene	U	0.3	1.0	1	1	0.3
79-34-5	1,1,2,2-Tetrachloroethane	U	0.5	1.0	1	1	0.5
96-18-4	1,2,3-Trichloropropane	U	0.4	1.0	1	1	0.4
96-12-8	1,2-Dibromo-3-Chloropropane	U	0.7	1.0	1	1	0.7
67-64-1	Acetone	U	3	1.0	5	5	3
78-93-3	2-Butanone	U	2	1.0	5	5	2
108-10-1	4-methyl-2-pentanone	U	2	1.0	5	5	2
591-78-6	2-Hexanone	U	1	1.0	5	5	1
	m+p-Xylenes	U	1.0	1.0	2	2	1.0
95-47-6	o-Xylene	U	0.4	1.0	1	1	0.4
108-05-4	Vinyl Acetate	U	0.4	1.0	1	1	0.4
75-15-0	Carbon Disulfide	U	0.5	1.0	1	1	0.5
75-05-8	Acetonitrile	U	16	1.0	25	25	16

Sample Data Summary A0000013

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 0029 NAS Pensacola
PO No:
Sample Date: 06/13/07
Received Date: 06/15/07
Extraction Date:
Analysis Date: 26-JUN-2007 12:06
Report Date: 07/09/2007
Matrix: WATER
% Solids: NA

Lab ID: SA3013-11
Client ID: OLFS4-MW41-0607
SDG: CTO29-1
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG40493
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
107-02-8	Acrolein	U	3	1.0	10	10	3
107-13-1	Acrylonitrile	U	2	1.0	5	5	2
126-99-8	Chloroprene	U	0.3	1.0	1	1	0.3
107-05-1	Allyl Chloride	U	0.5	1.0	1	1	0.5
123-91-1	1,4-Dioxane	U	12	1.0	100	100	12
107-12-0	Propionitrile	U	5	1.0	10	10	5
97-63-2	Ethyl Methacrylate	U	0.3	1.0	1	1	0.3
74-88-4	Iodomethane	U	0.4	1.0	1	1	0.4
78-83-1	Isobutyl Alcohol	U	10	1.0	20	20	10
126-98-7	Methacrylonitrile	U	3	1.0	10	10	3
80-62-6	Methyl Methacrylate	U	0.3	1.0	1	1	0.3
76-01-1	Pentachloroethane	U	0.3	1.0	1	1	0.3
110-57-6	trans-1,4-Dichloro-2-Butene	U	0.5	1.0	1	1	0.5
120-82-1	1,2,4-Trichlorobenzene	U	0.3	1.0	1	1	0.3
95-50-1	1,2-Dichlorobenzene	U	0.4	1.0	1	1	0.4
541-73-1	1,3-Dichlorobenzene	U	0.4	1.0	1	1	0.4
106-46-7	1,4-Dichlorobenzene	U	0.5	1.0	1	1	0.5
156-59-2	cis-1,2-Dichloroethene	U	0.3	1.0	1	1	0.3
1634-04-4	Methyl tert-butyl ether	U	0.6	1.0	1	1	0.6
1330-20-7	Xylenes (total)	U	1	1.0	3	3	1
76-13-1	Freon-113	U	0.4	1.0	1	1	0.4
1735-17-7	Cyclohexane	U	0.6	1.0	1	1	0.6
98-82-8	Isopropylbenzene	U	0.5	1.0	1	1	0.5
79-20-9	Methyl Acetate	U	0.9	1.0	1	1	0.9
108-87-2	Methylcyclohexane	U	0.3	1.0	1	1	0.3
1868-53-7	Dibromofluoromethane		92%				
17060-07-0	1,2-Dichloroethane-D4		100%				
2037-26-5	Toluene-D8		90%				
460-00-4	P-Bromofluorobenzene		96%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 0029 NAS Pensacola
PO No:
Sample Date: 06/13/07
Received Date: 06/15/07
Extraction Date:
Analysis Date: 26-JUN-2007 12:37
Report Date: 07/09/2007
Matrix: WATER
% Solids: NA

Lab ID: SA3013-13
Client ID: OLFS4-MW45-0607
SDG: CTO29-1
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG40493
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	0.4	1.0	2	2	0.4
74-87-3	Chloromethane	U	0.6	1.0	2	2	0.6
75-01-4	Vinyl chloride	U	0.4	1.0	2	2	0.4
74-83-9	Bromomethane	U	0.9	1.0	2	2	0.9
75-00-3	Chloroethane	U	0.5	1.0	2	2	0.5
75-69-4	Trichlorofluoromethane	U	0.4	1.0	2	2	0.4
75-35-4	1,1-Dichloroethene	U	0.4	1.0	1	1	0.4
75-09-2	Methylene Chloride	U	0.4	1.0	5	5	0.4
156-60-5	trans-1,2-Dichloroethene	U	0.5	1.0	1	1	0.5
75-34-3	1,1-Dichloroethane	U	0.4	1.0	1	1	0.4
67-66-3	Chloroform	U	0.4	1.0	1	1	0.4
71-55-6	1,1,1-Trichloroethane	U	0.4	1.0	1	1	0.4
107-06-2	1,2-Dichloroethane	U	0.3	1.0	1	1	0.3
56-23-5	Carbon Tetrachloride	U	0.4	1.0	1	1	0.4
71-43-2	Benzene	U	0.4	1.0	1	1	0.4
78-87-5	1,2-Dichloropropane	U	0.5	1.0	1	1	0.5
79-01-6	Trichloroethene	U	0.5	1.0	1	1	0.5
74-95-3	Dibromomethane	U	0.4	1.0	1	1	0.4
75-27-4	Bromodichloromethane	U	0.3	1.0	1	1	0.3
10061-01-5	cis-1,3-dichloropropene	U	0.4	1.0	1	1	0.4
108-88-3	Toluene	U	0.3	1.0	1	1	0.3
10061-02-6	trans-1,3-Dichloropropene	U	0.2	1.0	1	1	0.2
79-00-5	1,1,2-Trichloroethane	U	0.4	1.0	1	1	0.4
124-48-1	Dibromochloromethane	U	0.3	1.0	1	1	0.3
127-18-4	Tetrachloroethene	U	0.5	1.0	1	1	0.5
106-93-4	1,2-Dibromoethane	U	0.3	1.0	1	1	0.3
108-90-7	Chlorobenzene	U	0.4	1.0	1	1	0.4
630-20-6	1,1,1,2-Tetrachloroethane	U	0.5	1.0	1	1	0.5
100-41-4	Ethylbenzene	U	0.4	1.0	1	1	0.4
75-25-2	Bromoform	U	0.3	1.0	1	1	0.3
100-42-5	Styrene	U	0.3	1.0	1	1	0.3
79-34-5	1,1,2,2-Tetrachloroethane	U	0.5	1.0	1	1	0.5
96-18-4	1,2,3-Trichloropropane	U	0.4	1.0	1	1	0.4
96-12-8	1,2-Dibromo-3-Chloropropane	U	0.7	1.0	1	1	0.7
67-64-1	Acetone		10	1.0	5	5	3
78-93-3	2-Butanone	U	2	1.0	5	5	2
108-10-1	4-methyl-2-pentanone	U	2	1.0	5	5	2
591-78-6	2-Hexanone	U	1	1.0	5	5	1
	m+p-Xylenes	U	1.0	1.0	2	2	1.0
95-47-6	o-Xylene	U	0.4	1.0	1	1	0.4
108-05-4	Vinyl Acetate	U	0.4	1.0	1	1	0.4
75-15-0	Carbon Disulfide	U	0.5	1.0	1	1	0.5
75-05-8	Acetonitrile	U	16	1.0	25	25	16

Sample Data Summary A0000015

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 0029 NAS Pensacola
PO No:
Sample Date: 06/13/07
Received Date: 06/15/07
Extraction Date:
Analysis Date: 26-JUN-2007 12:37
Report Date: 07/09/2007
Matrix: WATER
% Solids: NA

Lab ID: SA3013-13
Client ID: OLFS4-MW45-0607
SDG: CTO29-1
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG40493
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
107-02-8	Acrolein	U	3	1.0	10	10	3
107-13-1	Acrylonitrile	U	2	1.0	5	5	2
126-99-8	Chloroprene	U	0.3	1.0	1	1	0.3
107-05-1	Allyl Chloride	U	0.5	1.0	1	1	0.5
123-91-1	1,4-Dioxane	U	12	1.0	100	100	12
107-12-0	Propionitrile	U	5	1.0	10	10	5
97-63-2	Ethyl Methacrylate	U	0.3	1.0	1	1	0.3
74-88-4	Iodomethane	U	0.4	1.0	1	1	0.4
78-83-1	Isobutyl Alcohol	U	10	1.0	20	20	10
126-98-7	Methacrylonitrile	U	3	1.0	10	10	3
80-62-6	Methyl Methacrylate	U	0.3	1.0	1	1	0.3
76-01-1	Pentachloroethane	U	0.3	1.0	1	1	0.3
110-57-6	trans-1,4-Dichloro-2-Butene	U	0.5	1.0	1	1	0.5
120-82-1	1,2,4-Trichlorobenzene	U	0.3	1.0	1	1	0.3
95-50-1	1,2-Dichlorobenzene	U	0.4	1.0	1	1	0.4
541-73-1	1,3-Dichlorobenzene	U	0.4	1.0	1	1	0.4
106-46-7	1,4-Dichlorobenzene	U	0.5	1.0	1	1	0.5
156-59-2	cis-1,2-Dichloroethene	U	0.3	1.0	1	1	0.3
1634-04-4	Methyl tert-butyl ether	U	0.6	1.0	1	1	0.6
1330-20-7	Xylenes (total)	U	1	1.0	3	3	1
76-13-1	Freon-113	U	0.4	1.0	1	1	0.4
1735-17-7	Cyclohexane	U	0.6	1.0	1	1	0.6
98-82-8	Isopropylbenzene	U	0.5	1.0	1	1	0.5
79-20-9	Methyl Acetate	U	0.9	1.0	1	1	0.9
108-87-2	Methylcyclohexane	U	0.3	1.0	1	1	0.3
1868-53-7	Dibromofluoromethane		93%				
17060-07-0	1,2-Dichloroethane-D4		102%				
2037-26-5	Toluene-D8		89%				
460-00-4	P-Bromofluorobenzene		93%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 0029 NAS Pensacola
PO No:
Sample Date: 06/13/07
Received Date: 06/15/07
Extraction Date:
Analysis Date: 26-JUN-2007 13:08
Report Date: 07/09/2007
Matrix: WATER
% Solids: NA

Lab ID: SA3013-15
Client ID: OLFS4-MW46-0607
SDG: CTO29-1
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG40493
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	0.4	1.0	2	2	0.4
74-87-3	Chloromethane	U	0.6	1.0	2	2	0.6
75-01-4	Vinyl chloride	U	0.4	1.0	2	2	0.4
74-83-9	Bromomethane	U	0.9	1.0	2	2	0.9
75-00-3	Chloroethane	U	0.5	1.0	2	2	0.5
75-69-4	Trichlorofluoromethane	U	0.4	1.0	2	2	0.4
75-35-4	1,1-Dichloroethene	U	0.4	1.0	1	1	0.4
75-09-2	Methylene Chloride	U	0.4	1.0	5	5	0.4
156-60-5	trans-1,2-Dichloroethene	U	0.5	1.0	1	1	0.5
75-34-3	1,1-Dichloroethane	U	0.4	1.0	1	1	0.4
67-66-3	Chloroform	I	0.4	1.0	1	1	0.4
71-55-6	1,1,1-Trichloroethane	U	0.4	1.0	1	1	0.4
107-06-2	1,2-Dichloroethane	U	0.3	1.0	1	1	0.3
56-23-5	Carbon Tetrachloride	U	0.4	1.0	1	1	0.4
71-43-2	Benzene	U	0.4	1.0	1	1	0.4
78-87-5	1,2-Dichloropropane	U	0.5	1.0	1	1	0.5
79-01-6	Trichloroethene	U	0.5	1.0	1	1	0.5
74-95-3	Dibromomethane	U	0.4	1.0	1	1	0.4
75-27-4	Bromodichloromethane	U	0.3	1.0	1	1	0.3
10061-01-5	cis-1,3-dichloropropene	U	0.4	1.0	1	1	0.4
108-88-3	Toluene	U	0.3	1.0	1	1	0.3
10061-02-6	trans-1,3-Dichloropropene	U	0.2	1.0	1	1	0.2
79-00-5	1,1,2-Trichloroethane	U	0.4	1.0	1	1	0.4
124-48-1	Dibromochloromethane	U	0.3	1.0	1	1	0.3
127-18-4	Tetrachloroethene	U	0.5	1.0	1	1	0.5
106-93-4	1,2-Dibromoethane	U	0.3	1.0	1	1	0.3
108-90-7	Chlorobenzene	U	0.4	1.0	1	1	0.4
630-20-6	1,1,1,2-Tetrachloroethane	U	0.5	1.0	1	1	0.5
100-41-4	Ethylbenzene	U	0.4	1.0	1	1	0.4
75-25-2	Bromoform	U	0.3	1.0	1	1	0.3
100-42-5	Styrene	U	0.3	1.0	1	1	0.3
79-34-5	1,1,2,2-Tetrachloroethane	U	0.5	1.0	1	1	0.5
96-18-4	1,2,3-Trichloropropane	U	0.4	1.0	1	1	0.4
96-12-8	1,2-Dibromo-3-Chloropropane	U	0.7	1.0	1	1	0.7
67-64-1	Acetone		22	1.0	5	5	3
78-93-3	2-Butanone	U	2	1.0	5	5	2
108-10-1	4-methyl-2-pentanone	U	2	1.0	5	5	2
591-78-6	2-Hexanone	U	1	1.0	5	5	1
	m+p-Xylenes	U	1.0	1.0	2	2	1.0
95-47-6	o-Xylene	U	0.4	1.0	1	1	0.4
108-05-4	Vinyl Acetate	U	0.4	1.0	1	1	0.4
75-15-0	Carbon Disulfide	U	0.5	1.0	1	1	0.5
75-05-8	Acetonitrile	U	16	1.0	25	25	16

Sample Data Summary A0000017

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 0029 NAS Pensacola
PO No:
Sample Date: 06/13/07
Received Date: 06/15/07
Extraction Date:
Analysis Date: 26-JUN-2007 13:08
Report Date: 07/09/2007
Matrix: WATER
% Solids: NA

Lab ID: SA3013-15
Client ID: OLFS4-MW46-0607
SDG: CTO29-1
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG40493
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
107-02-8	Acrolein	U	3	1.0	10	10	3
107-13-1	Acrylonitrile	U	2	1.0	5	5	2
126-99-8	Chloroprene	U	0.3	1.0	1	1	0.3
107-05-1	Allyl Chloride	U	0.5	1.0	1	1	0.5
123-91-1	1,4-Dioxane	U	12	1.0	100	100	12
107-12-0	Propionitrile	U	5	1.0	10	10	5
97-63-2	Ethyl Methacrylate	U	0.3	1.0	1	1	0.3
74-88-4	Iodomethane	U	0.4	1.0	1	1	0.4
78-83-1	Isobutyl Alcohol	U	10	1.0	20	20	10
126-98-7	Methacrylonitrile	U	3	1.0	10	10	3
80-62-6	Methyl Methacrylate	U	0.3	1.0	1	1	0.3
76-01-1	Pentachloroethane	U	0.3	1.0	1	1	0.3
110-57-6	trans-1,4-Dichloro-2-Butene	U	0.5	1.0	1	1	0.5
120-82-1	1,2,4-Trichlorobenzene	U	0.3	1.0	1	1	0.3
95-50-1	1,2-Dichlorobenzene	U	0.4	1.0	1	1	0.4
541-73-1	1,3-Dichlorobenzene	U	0.4	1.0	1	1	0.4
106-46-7	1,4-Dichlorobenzene	U	0.5	1.0	1	1	0.5
156-59-2	cis-1,2-Dichloroethene	U	0.3	1.0	1	1	0.3
1634-04-4	Methyl tert-butyl ether	U	0.6	1.0	1	1	0.6
1330-20-7	Xylenes (total)	U	1	1.0	3	3	1
76-13-1	Freon-113	U	0.4	1.0	1	1	0.4
1735-17-7	Cyclohexane	U	0.6	1.0	1	1	0.6
98-82-8	Isopropylbenzene	U	0.5	1.0	1	1	0.5
79-20-9	Methyl Acetate	U	0.9	1.0	1	1	0.9
108-87-2	Methylcyclohexane	U	0.3	1.0	1	1	0.3
1868-53-7	Dibromofluoromethane		98%				
17060-07-0	1,2-Dichloroethane-D4		108%				
2037-26-5	Toluene-D8		91%				
460-00-4	P-Bromofluorobenzene		100%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 0029 NAS Pensacola
PO No:
Sample Date: 06/13/07
Received Date: 06/15/07
Extraction Date:
Analysis Date: 26-JUN-2007 13:39
Report Date: 07/09/2007
Matrix: WATER
% Solids: NA

Lab ID: SA3013-17
Client ID: OLFS4-MW44-0607
SDG: CTO29-1
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG40493
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	0.4	1.0	2	2	0.4
74-87-3	Chloromethane	U	0.6	1.0	2	2	0.6
75-01-4	Vinyl chloride	U	0.4	1.0	2	2	0.4
74-83-9	Bromomethane	U	0.9	1.0	2	2	0.9
75-00-3	Chloroethane	U	0.5	1.0	2	2	0.5
75-69-4	Trichlorofluoromethane	U	0.4	1.0	2	2	0.4
75-35-4	1,1-Dichloroethene	U	0.4	1.0	1	1	0.4
75-09-2	Methylene Chloride	U	0.4	1.0	5	5	0.4
156-60-5	trans-1,2-Dichloroethene	U	0.5	1.0	1	1	0.5
75-34-3	1,1-Dichloroethane	U	0.4	1.0	1	1	0.4
67-66-3	Chloroform	I	0.8	1.0	1	1	0.4
71-55-6	1,1,1-Trichloroethane	U	0.4	1.0	1	1	0.4
107-06-2	1,2-Dichloroethane	U	0.3	1.0	1	1	0.3
56-23-5	Carbon Tetrachloride	U	0.4	1.0	1	1	0.4
71-43-2	Benzene	U	0.4	1.0	1	1	0.4
78-87-5	1,2-Dichloropropane	U	0.5	1.0	1	1	0.5
79-01-6	Trichloroethene	U	0.5	1.0	1	1	0.5
74-95-3	Dibromomethane	U	0.4	1.0	1	1	0.4
75-27-4	Bromodichloromethane	U	0.3	1.0	1	1	0.3
10061-01-5	cis-1,3-dichloropropene	U	0.4	1.0	1	1	0.4
108-88-3	Toluene	U	0.3	1.0	1	1	0.3
10061-02-6	trans-1,3-Dichloropropene	U	0.2	1.0	1	1	0.2
79-00-5	1,1,2-Trichloroethane	U	0.4	1.0	1	1	0.4
124-48-1	Dibromochloromethane	U	0.3	1.0	1	1	0.3
127-18-4	Tetrachloroethene	U	0.5	1.0	1	1	0.5
106-93-4	1,2-Dibromoethane	U	0.3	1.0	1	1	0.3
108-90-7	Chlorobenzene	U	0.4	1.0	1	1	0.4
630-20-6	1,1,1,2-Tetrachloroethane	U	0.5	1.0	1	1	0.5
100-41-4	Ethylbenzene	U	0.4	1.0	1	1	0.4
75-25-2	Bromoform	U	0.3	1.0	1	1	0.3
100-42-5	Styrene	U	0.3	1.0	1	1	0.3
79-34-5	1,1,2,2-Tetrachloroethane	U	0.5	1.0	1	1	0.5
96-18-4	1,2,3-Trichloropropane	U	0.4	1.0	1	1	0.4
96-12-8	1,2-Dibromo-3-Chloropropane	U	0.7	1.0	1	1	0.7
67-64-1	Acetone		6	1.0	5	5	3
78-93-3	2-Butanone	U	2	1.0	5	5	2
108-10-1	4-methyl-2-pentanone	U	2	1.0	5	5	2
591-78-6	2-Hexanone	U	1	1.0	5	5	1
	m+p-Xylenes	U	1.0	1.0	2	2	1.0
95-47-6	o-Xylene	U	0.4	1.0	1	1	0.4
108-05-4	Vinyl Acetate	U	0.4	1.0	1	1	0.4
75-15-0	Carbon Disulfide	U	0.5	1.0	1	1	0.5
75-05-8	Acetonitrile	U	16	1.0	25	25	16

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 0029 NAS Pensacola
PO No:
Sample Date: 06/13/07
Received Date: 06/15/07
Extraction Date:
Analysis Date: 26-JUN-2007 13:39
Report Date: 07/09/2007
Matrix: WATER
% Solids: NA

Lab ID: SA3013-17
Client ID: OLFS4-MW44-0607
SDG: CTO29-1
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG40493
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
107-02-8	Acrolein	U	3	1.0	10	10	3
107-13-1	Acrylonitrile	U	2	1.0	5	5	2
126-99-8	Chloroprene	U	0.3	1.0	1	1	0.3
107-05-1	Allyl Chloride	U	0.5	1.0	1	1	0.5
123-91-1	1,4-Dioxane	U	12	1.0	100	100	12
107-12-0	Propionitrile	U	5	1.0	10	10	5
97-63-2	Ethyl Methacrylate	U	0.3	1.0	1	1	0.3
74-88-4	Iodomethane	U	0.4	1.0	1	1	0.4
78-83-1	Isobutyl Alcohol	U	10	1.0	20	20	10
126-98-7	Methacrylonitrile	U	3	1.0	10	10	3
80-62-6	Methyl Methacrylate	U	0.3	1.0	1	1	0.3
76-01-1	Pentachloroethane	U	0.3	1.0	1	1	0.3
110-57-6	trans-1,4-Dichloro-2-Butene	U	0.5	1.0	1	1	0.5
120-82-1	1,2,4-Trichlorobenzene	U	0.3	1.0	1	1	0.3
95-50-1	1,2-Dichlorobenzene	U	0.4	1.0	1	1	0.4
541-73-1	1,3-Dichlorobenzene	U	0.4	1.0	1	1	0.4
106-46-7	1,4-Dichlorobenzene	U	0.5	1.0	1	1	0.5
156-59-2	cis-1,2-Dichloroethene	U	0.3	1.0	1	1	0.3
1634-04-4	Methyl tert-butyl ether	U	0.6	1.0	1	1	0.6
1330-20-7	Xylenes (total)	U	1	1.0	3	3	1
76-13-1	Freon-113	U	0.4	1.0	1	1	0.4
1735-17-7	Cyclohexane	U	0.6	1.0	1	1	0.6
98-82-8	Isopropylbenzene	U	0.5	1.0	1	1	0.5
79-20-9	Methyl Acetate	U	0.9	1.0	1	1	0.9
108-87-2	Methylcyclohexane	U	0.3	1.0	1	1	0.3
1868-53-7	Dibromofluoromethane		93%				
17060-07-0	1,2-Dichloroethane-D4		105%				
2037-26-5	Toluene-D8		91%				
460-00-4	P-Bromofluorobenzene		92%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 0029 NAS Pensacola
PO No:
Sample Date: 06/14/07
Received Date: 06/15/07
Extraction Date:
Analysis Date: 26-JUN-2007 14:10
Report Date: 07/09/2007
Matrix: WATER
% Solids: NA

Lab ID: SA3013-19
Client ID: OLFS4-MW42-0607
SDG: CTO29-1
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG40493
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	0.4	1.0	2	2	0.4
74-87-3	Chloromethane	U	0.6	1.0	2	2	0.6
75-01-4	Vinyl chloride	U	0.4	1.0	2	2	0.4
74-83-9	Bromomethane	U	0.9	1.0	2	2	0.9
75-00-3	Chloroethane	U	0.5	1.0	2	2	0.5
75-69-4	Trichlorofluoromethane	U	0.4	1.0	2	2	0.4
75-35-4	1,1-Dichloroethene	U	0.4	1.0	1	1	0.4
75-09-2	Methylene Chloride	U	0.4	1.0	5	5	0.4
156-60-5	trans-1,2-Dichloroethene	U	0.5	1.0	1	1	0.5
75-34-3	1,1-Dichloroethane	U	0.4	1.0	1	1	0.4
67-66-3	Chloroform	U	0.4	1.0	1	1	0.4
71-55-6	1,1,1-Trichloroethane	U	0.4	1.0	1	1	0.4
107-06-2	1,2-Dichloroethane	U	0.3	1.0	1	1	0.3
56-23-5	Carbon Tetrachloride	U	0.4	1.0	1	1	0.4
71-43-2	Benzene	U	0.4	1.0	1	1	0.4
78-87-5	1,2-Dichloropropane	U	0.5	1.0	1	1	0.5
79-01-6	Trichloroethene	U	0.5	1.0	1	1	0.5
74-95-3	Dibromomethane	U	0.4	1.0	1	1	0.4
75-27-4	Bromodichloromethane	U	0.3	1.0	1	1	0.3
10061-01-5	cis-1,3-dichloropropene	U	0.4	1.0	1	1	0.4
108-88-3	Toluene	U	0.3	1.0	1	1	0.3
10061-02-6	trans-1,3-Dichloropropene	U	0.2	1.0	1	1	0.2
79-00-5	1,1,2-Trichloroethane	U	0.4	1.0	1	1	0.4
124-48-1	Dibromochloromethane	U	0.3	1.0	1	1	0.3
127-18-4	Tetrachloroethene	U	0.5	1.0	1	1	0.5
106-93-4	1,2-Dibromoethane	U	0.3	1.0	1	1	0.3
108-90-7	Chlorobenzene	U	0.4	1.0	1	1	0.4
630-20-6	1,1,1,2-Tetrachloroethane	U	0.5	1.0	1	1	0.5
100-41-4	Ethylbenzene	U	0.4	1.0	1	1	0.4
75-25-2	Bromoform	U	0.3	1.0	1	1	0.3
100-42-5	Styrene	U	0.3	1.0	1	1	0.3
79-34-5	1,1,2,2-Tetrachloroethane	U	0.5	1.0	1	1	0.5
96-18-4	1,2,3-Trichloropropane	U	0.4	1.0	1	1	0.4
96-12-8	1,2-Dibromo-3-Chloropropane	U	0.7	1.0	1	1	0.7
67-64-1	Acetone	I	3	1.0	5	5	3
78-93-3	2-Butanone	U	2	1.0	5	5	2
108-10-1	4-methyl-2-pentanone	U	2	1.0	5	5	2
591-78-6	2-Hexanone	U	1	1.0	5	5	1
	m+p-Xylenes	U	1.0	1.0	2	2	1.0
95-47-6	o-Xylene	U	0.4	1.0	1	1	0.4
108-05-4	Vinyl Acetate	U	0.4	1.0	1	1	0.4
75-15-0	Carbon Disulfide	U	0.5	1.0	1	1	0.5
75-05-8	Acetonitrile	U	16	1.0	25	25	16

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 0029 NAS Pensacola
PO No:
Sample Date: 06/14/07
Received Date: 06/15/07
Extraction Date:
Analysis Date: 26-JUN-2007 14:10
Report Date: 07/09/2007
Matrix: WATER
% Solids: NA

Lab ID: SA3013-19
Client ID: OLFS4-MW42-0607
SDG: CTO29-1
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG40493
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
107-02-8	Acrolein	U	3	1.0	10	10	3
107-13-1	Acrylonitrile	U	2	1.0	5	5	2
126-99-8	Chloroprene	U	0.3	1.0	1	1	0.3
107-05-1	Allyl Chloride	U	0.5	1.0	1	1	0.5
123-91-1	1,4-Dioxane	U	12	1.0	100	100	12
107-12-0	Propionitrile	U	5	1.0	10	10	5
97-63-2	Ethyl Methacrylate	U	0.3	1.0	1	1	0.3
74-88-4	Iodomethane	U	0.4	1.0	1	1	0.4
78-83-1	Isobutyl Alcohol	U	10	1.0	20	20	10
126-98-7	Methacrylonitrile	U	3	1.0	10	10	3
80-62-6	Methyl Methacrylate	U	0.3	1.0	1	1	0.3
76-01-1	Pentachloroethane	U	0.3	1.0	1	1	0.3
110-57-6	trans-1,4-Dichloro-2-Butene	U	0.5	1.0	1	1	0.5
120-82-1	1,2,4-Trichlorobenzene	U	0.3	1.0	1	1	0.3
95-50-1	1,2-Dichlorobenzene	U	0.4	1.0	1	1	0.4
541-73-1	1,3-Dichlorobenzene	U	0.4	1.0	1	1	0.4
106-46-7	1,4-Dichlorobenzene	U	0.5	1.0	1	1	0.5
156-59-2	cis-1,2-Dichloroethene	U	0.3	1.0	1	1	0.3
1634-04-4	Methyl tert-butyl ether	U	0.6	1.0	1	1	0.6
1330-20-7	Xylenes (total)	U	1	1.0	3	3	1
76-13-1	Freon-113	U	0.4	1.0	1	1	0.4
1735-17-7	Cyclohexane	U	0.6	1.0	1	1	0.6
98-82-8	Isopropylbenzene	U	0.5	1.0	1	1	0.5
79-20-9	Methyl Acetate	U	0.9	1.0	1	1	0.9
108-87-2	Methylcyclohexane	U	0.3	1.0	1	1	0.3
1868-53-7	Dibromofluoromethane		96%				
17060-07-0	1,2-Dichloroethane-D4		107%				
2037-26-5	Toluene-D8		91%				
460-00-4	P-Bromofluorobenzene		93%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 0029 NAS Pensacola
PO No:
Sample Date: 06/14/07
Received Date: 06/15/07
Extraction Date:
Analysis Date: 26-JUN-2007 14:41
Report Date: 07/09/2007
Matrix: WATER
% Solids: NA

Lab ID: SA3013-21
Client ID: OLFS4-MW43-0607
SDG: CTO29-1
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG40493
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	0.4	1.0	2	2	0.4
74-87-3	Chloromethane	U	0.6	1.0	2	2	0.6
75-01-4	Vinyl chloride	U	0.4	1.0	2	2	0.4
74-83-9	Bromomethane	U	0.9	1.0	2	2	0.9
75-00-3	Chloroethane	U	0.5	1.0	2	2	0.5
75-69-4	Trichlorofluoromethane	U	0.4	1.0	2	2	0.4
75-35-4	1,1-Dichloroethene	U	0.4	1.0	1	1	0.4
75-09-2	Methylene Chloride	U	0.4	1.0	5	5	0.4
156-60-5	trans-1,2-Dichloroethene	U	0.5	1.0	1	1	0.5
75-34-3	1,1-Dichloroethane	U	0.4	1.0	1	1	0.4
67-66-3	Chloroform	U	0.4	1.0	1	1	0.4
71-55-6	1,1,1-Trichloroethane	U	0.4	1.0	1	1	0.4
107-06-2	1,2-Dichloroethane	U	0.3	1.0	1	1	0.3
56-23-5	Carbon Tetrachloride	U	0.4	1.0	1	1	0.4
71-43-2	Benzene	U	0.4	1.0	1	1	0.4
78-87-5	1,2-Dichloropropane	U	0.5	1.0	1	1	0.5
79-01-6	Trichloroethene	U	0.5	1.0	1	1	0.5
74-95-3	Dibromomethane	U	0.4	1.0	1	1	0.4
75-27-4	Bromodichloromethane	U	0.3	1.0	1	1	0.3
10061-01-5	cis-1,3-dichloropropene	U	0.4	1.0	1	1	0.4
108-88-3	Toluene	U	0.3	1.0	1	1	0.3
10061-02-6	trans-1,3-Dichloropropene	U	0.2	1.0	1	1	0.2
79-00-5	1,1,2-Trichloroethane	U	0.4	1.0	1	1	0.4
124-48-1	Dibromochloromethane	U	0.3	1.0	1	1	0.3
127-18-4	Tetrachloroethene	U	0.5	1.0	1	1	0.5
106-93-4	1,2-Dibromoethane	U	0.3	1.0	1	1	0.3
108-90-7	Chlorobenzene	U	0.4	1.0	1	1	0.4
630-20-6	1,1,1,2-Tetrachloroethane	U	0.5	1.0	1	1	0.5
100-41-4	Ethylbenzene	U	0.4	1.0	1	1	0.4
75-25-2	Bromoform	U	0.3	1.0	1	1	0.3
100-42-5	Styrene	U	0.3	1.0	1	1	0.3
79-34-5	1,1,2,2-Tetrachloroethane	U	0.5	1.0	1	1	0.5
96-18-4	1,2,3-Trichloropropane	U	0.4	1.0	1	1	0.4
96-12-8	1,2-Dibromo-3-Chloropropane	U	0.7	1.0	1	1	0.7
67-64-1	Acetone		7	1.0	5	5	3
78-93-3	2-Butanone	U	2	1.0	5	5	2
108-10-1	4-methyl-2-pentanone	U	2	1.0	5	5	2
591-78-6	2-Hexanone	U	1	1.0	5	5	1
	m+p-Xylenes	U	1.0	1.0	2	2	1.0
95-47-6	o-Xylene	U	0.4	1.0	1	1	0.4
108-05-4	Vinyl Acetate	U	0.4	1.0	1	1	0.4
75-15-0	Carbon Disulfide	U	0.5	1.0	1	1	0.5
75-05-8	Acetonitrile	U	16	1.0	25	25	16

Sample Data Summary A0000023

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 0029 NAS Pensacola
PO No:
Sample Date: 06/14/07
Received Date: 06/15/07
Extraction Date:
Analysis Date: 26-JUN-2007 14:41
Report Date: 07/09/2007
Matrix: WATER
% Solids: NA

Lab ID: SA3013-21
Client ID: OLFS4-MW43-0607
SDG: CTO29-1
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG40493
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
107-02-8	Acrolein	U	3	1.0	10	10	3
107-13-1	Acrylonitrile	U	2	1.0	5	5	2
126-99-8	Chloroprene	U	0.3	1.0	1	1	0.3
107-05-1	Allyl Chloride	U	0.5	1.0	1	1	0.5
123-91-1	1,4-Dioxane	U	12	1.0	100	100	12
107-12-0	Propionitrile	U	5	1.0	10	10	5
97-63-2	Ethyl Methacrylate	U	0.3	1.0	1	1	0.3
74-88-4	Iodomethane	U	0.4	1.0	1	1	0.4
78-83-1	Isobutyl Alcohol	U	10	1.0	20	20	10
126-98-7	Methacrylonitrile	U	3	1.0	10	10	3
80-62-6	Methyl Methacrylate	U	0.3	1.0	1	1	0.3
76-01-1	Pentachloroethane	U	0.3	1.0	1	1	0.3
110-57-6	trans-1,4-Dichloro-2-Butene	U	0.5	1.0	1	1	0.5
120-82-1	1,2,4-Trichlorobenzene	U	0.3	1.0	1	1	0.3
95-50-1	1,2-Dichlorobenzene	U	0.4	1.0	1	1	0.4
541-73-1	1,3-Dichlorobenzene	U	0.4	1.0	1	1	0.4
106-46-7	1,4-Dichlorobenzene	U	0.5	1.0	1	1	0.5
156-59-2	cis-1,2-Dichloroethene	U	0.3	1.0	1	1	0.3
1634-04-4	Methyl tert-butyl ether	U	0.6	1.0	1	1	0.6
1330-20-7	Xylenes (total)	U	1	1.0	3	3	1
76-13-1	Freon-113	U	0.4	1.0	1	1	0.4
1735-17-7	Cyclohexane	U	0.6	1.0	1	1	0.6
98-82-8	Isopropylbenzene	U	0.5	1.0	1	1	0.5
79-20-9	Methyl Acetate	U	0.9	1.0	1	1	0.9
108-87-2	Methylcyclohexane	U	0.3	1.0	1	1	0.3
1868-53-7	Dibromofluoromethane		97%				
17060-07-0	1,2-Dichloroethane-D4		110%				
2037-26-5	Toluene-D8		91%				
460-00-4	P-Bromofluorobenzene		94%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 0029 NAS Pensacola
PO No:
Sample Date: 06/14/07
Received Date: 06/15/07
Extraction Date:
Analysis Date: 26-JUN-2007 10:02
Report Date: 07/09/2007
Matrix: WATER
% Solids: NA

Lab ID: SA3013-23
Client ID: TRIP BLANK
SDG: CTO29-1
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG40493
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	0.4	1.0	2	2	0.4
74-87-3	Chloromethane	U	0.6	1.0	2	2	0.6
75-01-4	Vinyl chloride	U	0.4	1.0	2	2	0.4
74-83-9	Bromomethane	U	0.9	1.0	2	2	0.9
75-00-3	Chloroethane	U	0.5	1.0	2	2	0.5
75-69-4	Trichlorofluoromethane	U	0.4	1.0	2	2	0.4
75-35-4	1,1-Dichloroethene	U	0.4	1.0	1	1	0.4
75-09-2	Methylene Chloride	I	0.5	1.0	5	5	0.4
156-60-5	trans-1,2-Dichloroethene	U	0.5	1.0	1	1	0.5
75-34-3	1,1-Dichloroethane	U	0.4	1.0	1	1	0.4
67-66-3	Chloroform	U	0.4	1.0	1	1	0.4
71-55-6	1,1,1-Trichloroethane	U	0.4	1.0	1	1	0.4
107-06-2	1,2-Dichloroethane	U	0.3	1.0	1	1	0.3
56-23-5	Carbon Tetrachloride	U	0.4	1.0	1	1	0.4
71-43-2	Benzene	U	0.4	1.0	1	1	0.4
78-87-5	1,2-Dichloropropane	U	0.5	1.0	1	1	0.5
79-01-6	Trichloroethene	U	0.5	1.0	1	1	0.5
74-95-3	Dibromomethane	U	0.4	1.0	1	1	0.4
75-27-4	Bromodichloromethane	U	0.3	1.0	1	1	0.3
10061-01-5	cis-1,3-dichloropropene	U	0.4	1.0	1	1	0.4
108-88-3	Toluene	U	0.3	1.0	1	1	0.3
10061-02-6	trans-1,3-Dichloropropene	U	0.2	1.0	1	1	0.2
79-00-5	1,1,2-Trichloroethane	U	0.4	1.0	1	1	0.4
124-48-1	Dibromochloromethane	U	0.3	1.0	1	1	0.3
127-18-4	Tetrachloroethene	U	0.5	1.0	1	1	0.5
106-93-4	1,2-Dibromoethane	U	0.3	1.0	1	1	0.3
108-90-7	Chlorobenzene	U	0.4	1.0	1	1	0.4
630-20-6	1,1,1,2-Tetrachloroethane	U	0.5	1.0	1	1	0.5
100-41-4	Ethylbenzene	U	0.4	1.0	1	1	0.4
75-25-2	Bromoform	U	0.3	1.0	1	1	0.3
100-42-5	Styrene	U	0.3	1.0	1	1	0.3
79-34-5	1,1,2,2-Tetrachloroethane	U	0.5	1.0	1	1	0.5
96-18-4	1,2,3-Trichloropropane	U	0.4	1.0	1	1	0.4
96-12-8	1,2-Dibromo-3-Chloropropane	U	0.7	1.0	1	1	0.7
67-64-1	Acetone	U	3	1.0	5	5	3
78-93-3	2-Butanone	U	2	1.0	5	5	2
108-10-1	4-methyl-2-pentanone	U	2	1.0	5	5	2
591-78-6	2-Hexanone	U	1	1.0	5	5	1
	m+p-Xylenes	U	1.0	1.0	2	2	1.0
95-47-6	o-Xylene	U	0.4	1.0	1	1	0.4
108-05-4	Vinyl Acetate	U	0.4	1.0	1	1	0.4
75-15-0	Carbon Disulfide	U	0.5	1.0	1	1	0.5
75-05-8	Acetonitrile	U	16	1.0	25	25	16

Sample Data Summary A0000025

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 0029 NAS Pensacola
PO No:
Sample Date: 06/14/07
Received Date: 06/15/07
Extraction Date:
Analysis Date: 26-JUN-2007 10:02
Report Date: 07/09/2007
Matrix: WATER
% Solids: NA

Lab ID: SA3013-23
Client ID: TRIP BLANK
SDG: CTO29-1
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG40493
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
107-02-8	Acrolein	U	3	1.0	10	10	3
107-13-1	Acrylonitrile	U	2	1.0	5	5	2
126-99-8	Chloroprene	U	0.3	1.0	1	1	0.3
107-05-1	Allyl Chloride	U	0.5	1.0	1	1	0.5
123-91-1	1,4-Dioxane	U	12	1.0	100	100	12
107-12-0	Propionitrile	U	5	1.0	10	10	5
97-63-2	Ethyl Methacrylate	U	0.3	1.0	1	1	0.3
74-88-4	Iodomethane	U	0.4	1.0	1	1	0.4
78-83-1	Isobutyl Alcohol	U	10	1.0	20	20	10
126-98-7	Methacrylonitrile	U	3	1.0	10	10	3
80-62-6	Methyl Methacrylate	U	0.3	1.0	1	1	0.3
76-01-1	Pentachloroethane	U	0.3	1.0	1	1	0.3
110-57-6	trans-1,4-Dichloro-2-Butene	U	0.5	1.0	1	1	0.5
120-82-1	1,2,4-Trichlorobenzene	U	0.3	1.0	1	1	0.3
95-50-1	1,2-Dichlorobenzene	U	0.4	1.0	1	1	0.4
541-73-1	1,3-Dichlorobenzene	U	0.4	1.0	1	1	0.4
106-46-7	1,4-Dichlorobenzene	U	0.5	1.0	1	1	0.5
156-59-2	cis-1,2-Dichloroethene	U	0.3	1.0	1	1	0.3
1634-04-4	Methyl tert-butyl ether	U	0.6	1.0	1	1	0.6
1330-20-7	Xylenes (total)	U	1	1.0	3	3	1
76-13-1	Freon-113	U	0.4	1.0	1	1	0.4
1735-17-7	Cyclohexane	U	0.6	1.0	1	1	0.6
98-82-8	Isopropylbenzene	U	0.5	1.0	1	1	0.5
79-20-9	Methyl Acetate	U	0.9	1.0	1	1	0.9
108-87-2	Methylcyclohexane	U	0.3	1.0	1	1	0.3
1868-53-7	Dibromofluoromethane		87%				
17060-07-0	1,2-Dichloroethane-D4		92%				
2037-26-5	Toluene-D8		87%				
460-00-4	P-Bromofluorobenzene		92%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 0029 NAS Pensacola
PO No:
Sample Date: 06/12/07
Received Date: 06/15/07
Extraction Date: 06/19/07
Analysis Date: 26-JUN-2007 13:57
Report Date: 06/28/2007
Matrix: WATER
% Solids: NA

Lab ID: SA3013-1
Client ID: OLFS4-MW40-0607
SDG: CTO29-1
Extracted by: KM
Extraction Method: SW846 3510
Analyst: JCG
Analysis Method: SW846 8270C
Lab Prep Batch: WG40233
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
62-75-9	N-Nitrosodimethylamine	U	5	1.0	10	10	5
110-86-1	Pyridine	U	2	1.0	50	50	2
109-06-8	2-Picoline	U	3	1.0	10	10	3
10595-95-6	N-Nitrosomethylethylamine	U	6	1.0	10	10	6
66-27-3	Methyl Methanesulfonate	U	7	1.0	10	10	7
55-18-5	N-Nitrosodiethylamine	U	4	1.0	10	10	4
62-50-0	Ethyl Methanesulfonate	U	7	1.0	10	10	7
100-52-7	Benzaldehyde	U	5	1.0	10	10	5
62-53-3	Aniline	U	6	1.0	25	25	6
108-95-2	Phenol	U	9	1.0	10	10	9
111-44-4	Bis(2-Chloroethyl)ether	U	4	1.0	10	10	4
95-57-8	2-Chlorophenol	U	9	1.0	10	10	9
100-51-6	Benzyl alcohol	U	9	1.0	20	20	9
95-48-7	2-Methylphenol	U	8	1.0	10	10	8
108-60-1	Bis(2-Chloroisopropyl)ether	U	4	1.0	10	10	4
930-55-2	N-Nitrosopyrrolidine	U	6	1.0	10	10	6
98-86-2	Acetophenone	U	5	1.0	10	10	5
621-64-7	N-Nitroso-di-n-propylamine	U	4	1.0	10	10	4
95-53-4	o-Toluidine	U	10	1.0	25	25	10
106-44-5	3&4-Methylphenol	U	9	1.0	10	10	9
59-89-2	N-Nitrosomorpholine	U	4	1.0	10	10	4
67-72-1	Hexachloroethane	U	3	1.0	10	10	3
98-95-3	Nitrobenzene	U	2	1.0	10	10	2
100-75-4	N-Nitrosopiperidine	U	3	1.0	10	10	3
78-59-1	Isophorone	U	3	1.0	10	10	3
88-75-5	2-Nitrophenol	U	7	1.0	10	10	7
105-67-9	2,4-Dimethylphenol	U	7	1.0	10	10	7
126-68-1	O,O,O-Triethylphosphorothioat	U	3	1.0	10	10	3
111-91-1	Bis(2-Chloroethoxy)methane	U	4	1.0	10	10	4
120-83-2	2,4-Dichlorophenol	U	7	1.0	10	10	7
120-82-1	1,2,4-Trichlorobenzene	U	2	1.0	10	10	2
91-20-3	Naphthalene	U	3	1.0	10	10	3
122-09-8	A,A-Dimethylphenethylamine	U	16	1.0	25	25	16
87-65-0	2,6-Dichlorophenol	U	8	1.0	10	10	8
106-47-8	4-Chloroaniline	U	5	1.0	10	10	5
1888-71-7	Hexachloropropene	U	3	1.0	10	10	3
87-68-3	Hexachlorobutadiene	U	2	1.0	10	10	2
924-16-3	N-Nitroso-Di-N-Butylamine	U	8	1.0	10	10	8
106-50-3	p-Phenylenediamine	U	5	1.0	10	10	5
105-60-2	Caprolactam	U	9	1.0	10	10	9
59-50-7	4-Chloro-3-Methylphenol	U	10	1.0	10	10	10
94-59-7	Safrole	U	3	1.0	10	10	3
120-58-1	Isosafrole	U	5	1.0	10	10	5

Sample Data Summary A0000072

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 0029 NAS Pensacola
PO No:
Sample Date: 06/12/07
Received Date: 06/15/07
Extraction Date: 06/19/07
Analysis Date: 26-JUN-2007 13:57
Report Date: 06/28/2007
Matrix: WATER
% Solids: NA

Lab ID: SA3013-1
Client ID: OLFS4-MW40-0607
SDG: CTO29-1
Extracted by: KM
Extraction Method: SW846 3510
Analyst: JCG
Analysis Method: SW846 8270C
Lab Prep Batch: WG40233
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
91-57-6	2-Methylnaphthalene	U	4	1.0	10	10	4
77-47-4	Hexachlorocyclopentadiene	U	3	1.0	10	10	3
95-94-3	1,2,4,5-Tetrachlorobenzene	U	4	1.0	10	10	4
88-06-2	2,4,6-Trichlorophenol	U	7	1.0	10	10	7
95-95-4	2,4,5-Trichlorophenol	U	7	1.0	25	25	7
91-58-7	2-Chloronaphthalene	U	3	1.0	10	10	3
92-52-4	1,1'-Biphenyl	U	3	1.0	10	10	3
88-74-4	2-Nitroaniline	U	3	1.0	25	25	3
130-15-4	1,4-Naphthoquinone	U	4	1.0	10	10	4
131-11-3	Dimethyl Phthalate	U	4	1.0	10	10	4
99-65-0	1,3-Dinitrobenzene	U	5	1.0	10	10	5
606-20-2	2,6-Dinitrotoluene	U	4	1.0	10	10	4
208-96-8	Acenaphthylene	U	3	1.0	10	10	3
99-09-2	3-Nitroaniline	U	4	1.0	25	25	4
83-32-9	Acenaphthene	U	3	1.0	10	10	3
51-28-5	2,4-Dinitrophenol	U	23	1.0	25	25	23
608-93-5	Pentachlorobenzene	U	3	1.0	10	10	3
132-64-9	Dibenzofuran	U	3	1.0	10	10	3
100-02-7	4-Nitrophenol	U	16	1.0	25	25	16
121-14-2	2,4-Dinitrotoluene	U	4	1.0	10	10	4
134-32-7	1-Naphthylamine	U	3	1.0	10	10	3
58-90-2	2,3,4,6-Tetrachlorophenol	U	6	1.0	10	10	6
91-59-8	2-Naphthylamine	U	4	1.0	10	10	4
84-66-2	Diethylphthalate	U	4	1.0	10	10	4
86-73-7	Fluorene	U	3	1.0	10	10	3
7005-72-3	4-Chlorophenyl-phenylether	U	4	1.0	10	10	4
99-55-8	5-Nitro-O-Toluidine	U	5	1.0	10	10	5
100-01-6	4-Nitroaniline	U	5	1.0	25	25	5
534-52-1	4,6-Dinitro-2-Methylphenol	U	11	1.0	25	25	11
86-30-6	N-Nitrosodiphenylamine/DPA	U	5	1.0	10	10	5
2303-16-4	Diallate	U	5	1.0	10	10	5
99-35-4	1,3,5-Trinitrobenzene	U	6	1.0	10	10	6
101-55-3	4-Bromophenyl-phenylether	U	3	1.0	10	10	3
62-44-2	Phenacetin	U	6	1.0	10	10	6
118-74-1	Hexachlorobenzene	U	3	1.0	10	10	3
60-51-5	Dimethoate	U	8	1.0	10	10	8
1912-24-9	Atrazine	U	5	1.0	10	10	5
87-86-5	Pentachlorophenol	U	17	1.0	25	25	17
82-68-8	Pentachloronitrobenzene	U	4	1.0	10	10	4
92-67-1	4-Aminobiphenyl	U	4	1.0	10	10	4
23950-58-5	Pronamide	U	5	1.0	10	10	5
85-01-8	Phenanthrene	U	3	1.0	10	10	3
120-12-7	Anthracene	U	3	1.0	10	10	3

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 0029 NAS Pensacola
PO No:
Sample Date: 06/12/07
Received Date: 06/15/07
Extraction Date: 06/19/07
Analysis Date: 26-JUN-2007 13:57
Report Date: 06/28/2007
Matrix: WATER
% Solids: NA

Lab ID: SA3013-1
Client ID: OLFS4-MW40-0607
SDG: CTO29-1
Extracted by: KM
Extraction Method: SW846 3510
Analyst: JCG
Analysis Method: SW846 8270C
Lab Prep Batch: WG40233
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
86-74-8	Carbazole	U	4	1.0	10	10	4
84-74-2	Di-n-butylphthalate	U	7	1.0	10	10	7
56-57-5	4-Nitroquinoline-1-Oxide	U	10	1.0	25	25	10
91-80-5	Methapyrilene	U	9	1.0	10	10	9
465-73-6	Isodrin	U	4	1.0	10	10	4
206-44-0	Fluoranthene	U	8	1.0	10	10	8
129-00-0	Pyrene	U	7	1.0	10	10	7
140-57-8	Aramite	U	8	1.0	20	20	8
60-11-7	p-Dimethylaminoazobenzene	U	6	1.0	10	10	6
510-15-6	Chlorobenzilate	U	8	1.0	10	10	8
119-93-7	3,3'-Dimethylbenzidine	U	6	1.0	10	10	6
85-68-7	Butylbenzylphthalate	U	6	1.0	10	10	6
53-96-3	2-Acetylaminofluorene	U	5	1.0	10	10	5
56-55-3	Benzo(a)anthracene	U	3	1.0	10	10	3
91-94-1	3,3'-Dichlorobenzidine	U	4	1.0	10	10	4
218-01-9	Chrysene	U	3	1.0	10	10	3
117-81-7	bis(2-Ethylhexyl)phthalate	U	8	1.0	10	10	8
117-84-0	Di-n-octylphthalate	U	5	1.0	10	10	5
205-99-2	Benzo(b)fluoranthene	U	4	1.0	10	10	4
57-97-6	7,12-Dimethylbenz(A)Anthracen	U	4	1.0	10	10	4
207-08-9	Benzo(k)fluoranthene	U	5	1.0	10	10	5
70-30-4	Hexachlorophene	U	5	1.0	10	10	5
50-32-8	Benzo(a)pyrene	U	3	1.0	10	10	3
56-49-5	3-Methylcholanthrene	U	7	1.0	10	10	7
193-39-5	Indeno(1,2,3-cd)pyrene	U	7	1.0	10	10	7
53-70-3	Dibenzo(a,h)anthracene	U	8	1.0	10	10	8
191-24-2	Benzo(g,h,i)perylene	U	8	1.0	10	10	8
367-12-4	2-Fluorophenol		41%				
13127-88-3	Phenol-D6		26%				
4165-60-0	Nitrobenzene-D5		71%				
321-60-8	2-Fluorobiphenyl		82%				
118-79-6	2,4,6-Tribromophenol		75%				
1718-51-0	Terphenyl-D14		104%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 0029 NAS Pensacola
PO No:
Sample Date: 06/12/07
Received Date: 06/15/07
Extraction Date: 06/19/07
Analysis Date: 26-JUN-2007 14:43
Report Date: 06/28/2007
Matrix: WATER
% Solids: NA

Lab ID: SA3013-3
Client ID: OLFS4-MW37-0607
SDG: CTO29-1
Extracted by: KM
Extraction Method: SW846 3510
Analyst: JCG
Analysis Method: SW846 8270C
Lab Prep Batch: WG40233
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
62-75-9	N-Nitrosodimethylamine	U	5	1.0	10	10	5
110-86-1	Pyridine	U	2	1.0	50	50	2
109-06-8	2-Picoline	U	3	1.0	10	10	3
10595-95-6	N-Nitrosomethylethylamine	U	6	1.0	10	10	6
66-27-3	Methyl Methanesulfonate	U	7	1.0	10	10	7
55-18-5	N-Nitrosodiethylamine	U	4	1.0	10	10	4
62-50-0	Ethyl Methanesulfonate	U	7	1.0	10	10	7
100-52-7	Benzaldehyde	U	5	1.0	10	10	5
62-53-3	Aniline	U	6	1.0	25	25	6
108-95-2	Phenol	U	9	1.0	10	10	9
111-44-4	Bis(2-Chloroethyl)ether	U	4	1.0	10	10	4
95-57-8	2-Chlorophenol	U	9	1.0	10	10	9
100-51-6	Benzyl alcohol	U	9	1.0	20	20	9
95-48-7	2-Methylphenol	U	8	1.0	10	10	8
108-60-1	Bis(2-Chloroisopropyl)ether	U	4	1.0	10	10	4
930-55-2	N-Nitrosopyrrolidine	U	6	1.0	10	10	6
98-86-2	Acetophenone	U	5	1.0	10	10	5
621-64-7	N-Nitroso-di-n-propylamine	U	4	1.0	10	10	4
95-53-4	o-Toluidine	U	10	1.0	25	25	10
106-44-5	3&4-Methylphenol	U	9	1.0	10	10	9
59-89-2	N-Nitrosomorpholine	U	4	1.0	10	10	4
67-72-1	Hexachloroethane	U	3	1.0	10	10	3
98-95-3	Nitrobenzene	U	2	1.0	10	10	2
100-75-4	N-Nitrosopiperidine	U	3	1.0	10	10	3
78-59-1	Isophorone	U	3	1.0	10	10	3
88-75-5	2-Nitrophenol	U	7	1.0	10	10	7
105-67-9	2,4-Dimethylphenol	U	7	1.0	10	10	7
126-68-1	O,O,O-Triethylphosphorothioat	U	3	1.0	10	10	3
111-91-1	Bis(2-Chloroethoxy)methane	U	4	1.0	10	10	4
120-83-2	2,4-Dichlorophenol	U	7	1.0	10	10	7
120-82-1	1,2,4-Trichlorobenzene	U	2	1.0	10	10	2
91-20-3	Naphthalene	U	3	1.0	10	10	3
122-09-8	A,A-Dimethylphenethylamine	U	16	1.0	25	25	16
87-65-0	2,6-Dichlorophenol	U	8	1.0	10	10	8
106-47-8	4-Chloroaniline	U	5	1.0	10	10	5
1888-71-7	Hexachloropropene	U	3	1.0	10	10	3
87-68-3	Hexachlorobutadiene	U	2	1.0	10	10	2
924-16-3	N-Nitroso-Di-N-Butylamine	U	8	1.0	10	10	8
106-50-3	p-Phenylenediamine	U	5	1.0	10	10	5
105-60-2	Caprolactam	U	9	1.0	10	10	9
59-50-7	4-Chloro-3-Methylphenol	U	10	1.0	10	10	10
94-59-7	Safrole	U	3	1.0	10	10	3
120-58-1	Isosafrole	U	5	1.0	10	10	5

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 0029 NAS Pensacola
PO No:
Sample Date: 06/12/07
Received Date: 06/15/07
Extraction Date: 06/19/07
Analysis Date: 26-JUN-2007 14:43
Report Date: 06/28/2007
Matrix: WATER
% Solids: NA

Lab ID: SA3013-3
Client ID: OLFS4-MW37-0607
SDG: CTO29-1
Extracted by: KM
Extraction Method: SW846 3510
Analyst: JCG
Analysis Method: SW846 8270C
Lab Prep Batch: WG40233
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
91-57-6	2-Methylnaphthalene	U	4	1.0	10	10	4
77-47-4	Hexachlorocyclopentadiene	U	3	1.0	10	10	3
95-94-3	1,2,4,5-Tetrachlorobenzene	U	4	1.0	10	10	4
88-06-2	2,4,6-Trichlorophenol	U	7	1.0	10	10	7
95-95-4	2,4,5-Trichlorophenol	U	7	1.0	25	25	7
91-58-7	2-Chloronaphthalene	U	3	1.0	10	10	3
92-52-4	1,1'-Biphenyl	U	3	1.0	10	10	3
88-74-4	2-Nitroaniline	U	3	1.0	25	25	3
130-15-4	1,4-Naphthoquinone	U	4	1.0	10	10	4
131-11-3	Dimethyl Phthalate	U	4	1.0	10	10	4
99-65-0	1,3-Dinitrobenzene	U	5	1.0	10	10	5
606-20-2	2,6-Dinitrotoluene	U	4	1.0	10	10	4
208-96-8	Acenaphthylene	U	3	1.0	10	10	3
99-09-2	3-Nitroaniline	U	4	1.0	25	25	4
83-32-9	Acenaphthene	U	3	1.0	10	10	3
51-28-5	2,4-Dinitrophenol	U	23	1.0	25	25	23
608-93-5	Pentachlorobenzene	U	3	1.0	10	10	3
132-64-9	Dibenzofuran	U	3	1.0	10	10	3
100-02-7	4-Nitrophenol	U	16	1.0	25	25	16
121-14-2	2,4-Dinitrotoluene	U	4	1.0	10	10	4
134-32-7	1-Naphthylamine	U	3	1.0	10	10	3
58-90-2	2,3,4,6-Tetrachlorophenol	U	6	1.0	10	10	6
91-59-8	2-Naphthylamine	U	4	1.0	10	10	4
84-66-2	Diethylphthalate	U	4	1.0	10	10	4
86-73-7	Fluorene	U	3	1.0	10	10	3
7005-72-3	4-Chlorophenyl-phenylether	U	4	1.0	10	10	4
99-55-8	5-Nitro-O-Toluidine	U	5	1.0	10	10	5
100-01-6	4-Nitroaniline	U	5	1.0	25	25	5
534-52-1	4,6-Dinitro-2-Methylphenol	U	11	1.0	25	25	11
86-30-6	N-Nitrosodiphenylamine/DPA	U	5	1.0	10	10	5
2303-16-4	Diallate	U	5	1.0	10	10	5
99-35-4	1,3,5-Trinitrobenzene	U	6	1.0	10	10	6
101-55-3	4-Bromophenyl-phenylether	U	3	1.0	10	10	3
62-44-2	Phenacetin	U	6	1.0	10	10	6
118-74-1	Hexachlorobenzene	U	3	1.0	10	10	3
60-51-5	Dimethoate	U	8	1.0	10	10	8
1912-24-9	Atrazine	U	5	1.0	10	10	5
87-86-5	Pentachlorophenol	U	17	1.0	25	25	17
82-68-8	Pentachloronitrobenzene	U	4	1.0	10	10	4
92-67-1	4-Aminobiphenyl	U	4	1.0	10	10	4
23950-58-5	Pronamide	U	5	1.0	10	10	5
85-01-8	Phenanthrene	U	3	1.0	10	10	3
120-12-7	Anthracene	U	3	1.0	10	10	3

Sample Data Summary A0000076

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 0029 NAS Pensacola
PO No:
Sample Date: 06/12/07
Received Date: 06/15/07
Extraction Date: 06/19/07
Analysis Date: 26-JUN-2007 14:43
Report Date: 06/28/2007
Matrix: WATER
% Solids: NA

Lab ID: SA3013-3
Client ID: OLFS4-MW37-0607
SDG: CTO29-1
Extracted by: KM
Extraction Method: SW846 3510
Analyst: JCG
Analysis Method: SW846 8270C
Lab Prep Batch: WG40233
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
86-74-8	Carbazole	U	4	1.0	10	10	4
84-74-2	Di-n-butylphthalate	U	7	1.0	10	10	7
56-57-5	4-Nitroquinoline-1-Oxide	U	10	1.0	25	25	10
91-80-5	Methapyrilene	U	9	1.0	10	10	9
465-73-6	Isodrin	U	4	1.0	10	10	4
206-44-0	Fluoranthene	U	8	1.0	10	10	8
129-00-0	Pyrene	U	7	1.0	10	10	7
140-57-8	Aramite	U	8	1.0	20	20	8
60-11-7	p-Dimethylaminoazobenzene	U	6	1.0	10	10	6
510-15-6	Chlorobenzilate	U	8	1.0	10	10	8
119-93-7	3,3'-Dimethylbenzidine	U	6	1.0	10	10	6
85-68-7	Butylbenzylphthalate	U	6	1.0	10	10	6
53-96-3	2-Acetylaminofluorene	U	5	1.0	10	10	5
56-55-3	Benzo(a)anthracene	U	3	1.0	10	10	3
91-94-1	3,3'-Dichlorobenzidine	U	4	1.0	10	10	4
218-01-9	Chrysene	U	3	1.0	10	10	3
117-81-7	bis(2-Ethylhexyl)phthalate	U	8	1.0	10	10	8
117-84-0	Di-n-octylphthalate	U	5	1.0	10	10	5
205-99-2	Benzo(b)fluoranthene	U	4	1.0	10	10	4
57-97-6	7,12-Dimethylbenz(A)Anthracen	U	4	1.0	10	10	4
207-08-9	Benzo(k)fluoranthene	U	5	1.0	10	10	5
70-30-4	Hexachlorophene	U	5	1.0	10	10	5
50-32-8	Benzo(a)pyrene	U	3	1.0	10	10	3
56-49-5	3-Methylcholanthrene	U	7	1.0	10	10	7
193-39-5	Indeno(1,2,3-cd)pyrene	U	7	1.0	10	10	7
53-70-3	Dibenzo(a,h)anthracene	U	8	1.0	10	10	8
191-24-2	Benzo(g,h,i)perylene	U	8	1.0	10	10	8
367-12-4	2-Fluorophenol		34%				
13127-88-3	Phenol-D6		20%				
4165-60-0	Nitrobenzene-D5		66%				
321-60-8	2-Fluorobiphenyl		75%				
118-79-6	2,4,6-Tribromophenol		71%				
1718-51-0	Terphenyl-D14		95%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 0029 NAS Pensacola
PO No:
Sample Date: 06/12/07
Received Date: 06/15/07
Extraction Date: 06/19/07
Analysis Date: 26-JUN-2007 15:29
Report Date: 06/28/2007
Matrix: WATER
% Solids: NA

Lab ID: SA3013-5
Client ID: OLFS4-MW37-0607-D
SDG: CTO29-1
Extracted by: KM
Extraction Method: SW846 3510
Analyst: JCG
Analysis Method: SW846 8270C
Lab Prep Batch: WG40233
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
62-75-9	N-Nitrosodimethylamine	U	5	1.0	10	10	5
110-86-1	Pyridine	U	2	1.0	50	50	2
109-06-8	2-Picoline	U	3	1.0	10	10	3
10595-95-6	N-Nitrosomethylethylamine	U	5	1.0	10	10	5
66-27-3	Methyl Methanesulfonate	U	7	1.0	10	10	7
55-18-5	N-Nitrosodiethylamine	U	4	1.0	10	10	4
62-50-0	Ethyl Methanesulfonate	U	7	1.0	10	10	7
100-52-7	Benzaldehyde	U	5	1.0	10	10	5
62-53-3	Aniline	U	6	1.0	25	25	6
108-95-2	Phenol	U	8	1.0	10	10	8
111-44-4	Bis(2-Chloroethyl)ether	U	4	1.0	10	10	4
95-57-8	2-Chlorophenol	U	8	1.0	10	10	8
100-51-6	Benzyl alcohol	U	9	1.0	20	20	9
95-48-7	2-Methylphenol	U	8	1.0	10	10	8
108-60-1	Bis(2-Chloroisopropyl)ether	U	3	1.0	10	10	3
930-55-2	N-Nitrosopyrrolidine	U	6	1.0	10	10	6
98-86-2	Acetophenone	U	5	1.0	10	10	5
621-64-7	N-Nitroso-di-n-propylamine	U	4	1.0	10	10	4
95-53-4	o-Toluidine	U	10	1.0	25	25	10
106-44-5	3&4-Methylphenol	U	8	1.0	10	10	8
59-89-2	N-Nitrosomorpholine	U	4	1.0	10	10	4
67-72-1	Hexachloroethane	U	3	1.0	10	10	3
98-95-3	Nitrobenzene	U	2	1.0	10	10	2
100-75-4	N-Nitrosopiperidine	U	3	1.0	10	10	3
78-59-1	Isophorone	U	3	1.0	10	10	3
88-75-5	2-Nitrophenol	U	7	1.0	10	10	7
105-67-9	2,4-Dimethylphenol	U	7	1.0	10	10	7
126-68-1	O,O,O-Triethylphosphorothioat	U	3	1.0	10	10	3
111-91-1	Bis(2-Chloroethoxy)methane	U	3	1.0	10	10	3
120-83-2	2,4-Dichlorophenol	U	7	1.0	10	10	7
120-82-1	1,2,4-Trichlorobenzene	U	2	1.0	10	10	2
91-20-3	Naphthalene	U	3	1.0	10	10	3
122-09-8	A,A-Dimethylphenethylamine	U	15	1.0	25	25	15
87-65-0	2,6-Dichlorophenol	U	8	1.0	10	10	8
106-47-8	4-Chloroaniline	U	5	1.0	10	10	5
1888-71-7	Hexachloropropene	U	3	1.0	10	10	3
87-68-3	Hexachlorobutadiene	U	2	1.0	10	10	2
924-16-3	N-Nitroso-Di-N-Butylamine	U	8	1.0	10	10	8
106-50-3	p-Phenylenediamine	U	5	1.0	10	10	5
105-60-2	Caprolactam	U	9	1.0	10	10	9
59-50-7	4-Chloro-3-Methylphenol	U	10	1.0	10	10	10
94-59-7	Safrole	U	3	1.0	10	10	3
120-58-1	Isosafrole	U	5	1.0	10	10	5

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 0029 NAS Pensacola
PO No:
Sample Date: 06/12/07
Received Date: 06/15/07
Extraction Date: 06/19/07
Analysis Date: 26-JUN-2007 15:29
Report Date: 06/28/2007
Matrix: WATER
% Solids: NA

Lab ID: SA3013-5
Client ID: OLFS4-MW37-0607-D
SDG: CTO29-1
Extracted by: KM
Extraction Method: SW846 3510
Analyst: JCG
Analysis Method: SW846 8270C
Lab Prep Batch: WG40233
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
91-57-6	2-Methylnaphthalene	U	4	1.0	10	10	4
77-47-4	Hexachlorocyclopentadiene	U	2	1.0	10	10	2
95-94-3	1,2,4,5-Tetrachlorobenzene	U	4	1.0	10	10	4
88-06-2	2,4,6-Trichlorophenol	U	7	1.0	10	10	7
95-95-4	2,4,5-Trichlorophenol	U	7	1.0	25	25	7
91-58-7	2-Chloronaphthalene	U	3	1.0	10	10	3
92-52-4	1,1'-Biphenyl	U	3	1.0	10	10	3
88-74-4	2-Nitroaniline	U	3	1.0	25	25	3
130-15-4	1,4-Naphthoquinone	U	4	1.0	10	10	4
131-11-3	Dimethyl Phthalate	U	4	1.0	10	10	4
99-65-0	1,3-Dinitrobenzene	U	5	1.0	10	10	5
606-20-2	2,6-Dinitrotoluene	U	4	1.0	10	10	4
208-96-8	Acenaphthylene	U	3	1.0	10	10	3
99-09-2	3-Nitroaniline	U	4	1.0	25	25	4
83-32-9	Acenaphthene	U	3	1.0	10	10	3
51-28-5	2,4-Dinitrophenol	U	22	1.0	25	25	22
608-93-5	Pentachlorobenzene	U	3	1.0	10	10	3
132-64-9	Dibenzofuran	U	3	1.0	10	10	3
100-02-7	4-Nitrophenol	U	15	1.0	25	25	15
121-14-2	2,4-Dinitrotoluene	U	4	1.0	10	10	4
134-32-7	1-Naphthylamine	U	3	1.0	10	10	3
58-90-2	2,3,4,6-Tetrachlorophenol	U	6	1.0	10	10	6
91-59-8	2-Naphthylamine	U	4	1.0	10	10	4
84-66-2	Diethylphthalate	U	3	1.0	10	10	3
86-73-7	Fluorene	U	3	1.0	10	10	3
7005-72-3	4-Chlorophenyl-phenylether	U	3	1.0	10	10	3
99-55-8	5-Nitro-O-Toluidine	U	5	1.0	10	10	5
100-01-6	4-Nitroaniline	U	5	1.0	25	25	5
534-52-1	4,6-Dinitro-2-Methylphenol	U	11	1.0	25	25	11
86-30-6	N-Nitrosodiphenylamine/DPA	U	5	1.0	10	10	5
2303-16-4	Diallate	U	4	1.0	10	10	4
99-35-4	1,3,5-Trinitrobenzene	U	6	1.0	10	10	6
101-55-3	4-Bromophenyl-phenylether	U	3	1.0	10	10	3
62-44-2	Phenacetin	U	6	1.0	10	10	6
118-74-1	Hexachlorobenzene	U	3	1.0	10	10	3
60-51-5	Dimethoate	U	7	1.0	10	10	7
1912-24-9	Atrazine	U	5	1.0	10	10	5
87-86-5	Pentachlorophenol	U	17	1.0	25	25	17
82-68-8	Pentachloronitrobenzene	U	4	1.0	10	10	4
92-67-1	4-Aminobiphenyl	U	4	1.0	10	10	4
23950-58-5	Pronamide	U	5	1.0	10	10	5
85-01-8	Phenanthrene	U	3	1.0	10	10	3
120-12-7	Anthracene	U	3	1.0	10	10	3

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 0029 NAS Pensacola
PO No:
Sample Date: 06/12/07
Received Date: 06/15/07
Extraction Date: 06/19/07
Analysis Date: 26-JUN-2007 15:29
Report Date: 06/28/2007
Matrix: WATER
% Solids: NA

Lab ID: SA3013-5
Client ID: OLFS4-MW37-0607-D
SDG: CTO29-1
Extracted by: KM
Extraction Method: SW846 3510
Analyst: JCG
Analysis Method: SW846 8270C
Lab Prep Batch: WG40233
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
86-74-8	Carbazole	U	4	1.0	10	10	4
84-74-2	Di-n-butylphthalate	U	7	1.0	10	10	7
56-57-5	4-Nitroquinoline-1-Oxide	U	10	1.0	25	25	10
91-80-5	Methapyrilene	U	9	1.0	10	10	9
465-73-6	Isodrin	U	4	1.0	10	10	4
206-44-0	Fluoranthene	U	8	1.0	10	10	8
129-00-0	Pyrene	U	6	1.0	10	10	6
140-57-8	Aramite	U	8	1.0	20	20	8
60-11-7	p-Dimethylaminoazobenzene	U	6	1.0	10	10	6
510-15-6	Chlorobenzilate	U	7	1.0	10	10	7
119-93-7	3,3'-Dimethylbenzidine	U	6	1.0	10	10	6
85-68-7	Butylbenzylphthalate	U	6	1.0	10	10	6
53-96-3	2-Acetylaminofluorene	U	4	1.0	10	10	4
56-55-3	Benzo(a)anthracene	U	2	1.0	10	10	2
91-94-1	3,3'-Dichlorobenzidine	U	4	1.0	10	10	4
218-01-9	Chrysene	U	3	1.0	10	10	3
117-81-7	bis(2-Ethylhexyl)phthalate	U	8	1.0	10	10	8
117-84-0	Di-n-octylphthalate	U	5	1.0	10	10	5
205-99-2	Benzo(b)fluoranthene	U	3	1.0	10	10	3
57-97-6	7,12-Dimethylbenz(A)Anthracen	U	4	1.0	10	10	4
207-08-9	Benzo(k)fluoranthene	U	5	1.0	10	10	5
70-30-4	Hexachlorophene	U	5	1.0	10	10	5
50-32-8	Benzo(a)pyrene	U	3	1.0	10	10	3
56-49-5	3-Methylcholanthrene	U	6	1.0	10	10	6
193-39-5	Indeno(1,2,3-cd)pyrene	U	7	1.0	10	10	7
53-70-3	Dibenzo(a,h)anthracene	U	7	1.0	10	10	7
191-24-2	Benzo(g,h,i)perylene	U	8	1.0	10	10	8
367-12-4	2-Fluorophenol		J 27%				
13127-88-3	Phenol-D6		16%				
4165-60-0	Nitrobenzene-D5		J 50%				
321-60-8	2-Fluorobiphenyl		59%				
118-79-6	2,4,6-Tribromophenol		53%				
1718-51-0	Terphenyl-D14		76%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 0029 NAS Pensacola
PO No:
Sample Date: 06/12/07
Received Date: 06/15/07
Extraction Date: 06/19/07
Analysis Date: 26-JUN-2007 16:15
Report Date: 06/28/2007
Matrix: WATER
% Solids: NA

Lab ID: SA3013-7
Client ID: OLFS4-MW39-0607
SDG: CTO29-1
Extracted by: KM
Extraction Method: SW846 3510
Analyst: JCG
Analysis Method: SW846 8270C
Lab Prep Batch: WG40233
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
62-75-9	N-Nitrosodimethylamine	U	5	1.0	10	10	5
110-86-1	Pyridine	U	2	1.0	50	50	2
109-06-8	2-Picoline	U	3	1.0	10	10	3
10595-95-6	N-Nitrosomethylethylamine	U	6	1.0	10	10	6
66-27-3	Methyl Methanesulfonate	U	7	1.0	10	10	7
55-18-5	N-Nitrosodiethylamine	U	4	1.0	10	10	4
62-50-0	Ethyl Methanesulfonate	U	7	1.0	10	10	7
100-52-7	Benzaldehyde	U	5	1.0	10	10	5
62-53-3	Aniline	U	6	1.0	25	25	6
108-95-2	Phenol	U	9	1.0	10	10	9
111-44-4	Bis(2-Chloroethyl)ether	U	4	1.0	10	10	4
95-57-8	2-Chlorophenol	U	9	1.0	10	10	9
100-51-6	Benzyl alcohol	U	9	1.0	20	20	9
95-48-7	2-Methylphenol	U	8	1.0	10	10	8
108-60-1	Bis(2-Chloroisopropyl)ether	U	4	1.0	10	10	4
930-55-2	N-Nitrosopyrrolidine	U	6	1.0	10	10	6
98-86-2	Acetophenone	U	5	1.0	10	10	5
621-64-7	N-Nitroso-di-n-propylamine	U	4	1.0	10	10	4
95-53-4	o-Toluidine	U	10	1.0	25	25	10
106-44-5	3&4-Methylphenol	U	9	1.0	10	10	9
59-89-2	N-Nitrosomorpholine	U	4	1.0	10	10	4
67-72-1	Hexachloroethane	U	3	1.0	10	10	3
98-95-3	Nitrobenzene	U	2	1.0	10	10	2
100-75-4	N-Nitrosopiperidine	U	3	1.0	10	10	3
78-59-1	Isophorone	U	3	1.0	10	10	3
88-75-5	2-Nitrophenol	U	7	1.0	10	10	7
105-67-9	2,4-Dimethylphenol	U	7	1.0	10	10	7
126-68-1	O,O,O-Triethylphosphorothioat	U	3	1.0	10	10	3
111-91-1	Bis(2-Chloroethoxy)methane	U	4	1.0	10	10	4
120-83-2	2,4-Dichlorophenol	U	7	1.0	10	10	7
120-82-1	1,2,4-Trichlorobenzene	U	2	1.0	10	10	2
91-20-3	Naphthalene	U	3	1.0	10	10	3
122-09-8	A,A-Dimethylphenethylamine	U	16	1.0	25	25	16
87-65-0	2,6-Dichlorophenol	U	8	1.0	10	10	8
106-47-8	4-Chloroaniline	U	5	1.0	10	10	5
1888-71-7	Hexachloropropene	U	3	1.0	10	10	3
87-68-3	Hexachlorobutadiene	U	2	1.0	10	10	2
924-16-3	N-Nitroso-Di-N-Butylamine	U	8	1.0	10	10	8
106-50-3	p-Phenylenediamine	U	5	1.0	10	10	5
105-60-2	Caprolactam	U	9	1.0	10	10	9
59-50-7	4-Chloro-3-Methylphenol	U	10	1.0	10	10	10
94-59-7	Safrole	U	3	1.0	10	10	3
120-58-1	Isosafrole	U	5	1.0	10	10	5

Sample Data Summary A0000081

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 0029 NAS Pensacola
PO No:
Sample Date: 06/12/07
Received Date: 06/15/07
Extraction Date: 06/19/07
Analysis Date: 26-JUN-2007 16:15
Report Date: 06/28/2007
Matrix: WATER
% Solids: NA

Lab ID: SA3013-7
Client ID: OLFS4-MW39-0607
SDG: CTO29-1
Extracted by: KM
Extraction Method: SW846 3510
Analyst: JCG
Analysis Method: SW846 8270C
Lab Prep Batch: WG40233
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
91-57-6	2-Methylnaphthalene	U	4	1.0	10	10	4
77-47-4	Hexachlorocyclopentadiene	U	3	1.0	10	10	3
95-94-3	1,2,4,5-Tetrachlorobenzene	U	4	1.0	10	10	4
88-06-2	2,4,6-Trichlorophenol	U	7	1.0	10	10	7
95-95-4	2,4,5-Trichlorophenol	U	7	1.0	25	25	7
91-58-7	2-Chloronaphthalene	U	3	1.0	10	10	3
92-52-4	1,1'-Biphenyl	U	3	1.0	10	10	3
88-74-4	2-Nitroaniline	U	3	1.0	25	25	3
130-15-4	1,4-Naphthoquinone	U	4	1.0	10	10	4
131-11-3	Dimethyl Phthalate	U	4	1.0	10	10	4
99-65-0	1,3-Dinitrobenzene	U	5	1.0	10	10	5
606-20-2	2,6-Dinitrotoluene	U	4	1.0	10	10	4
208-96-8	Acenaphthylene	U	3	1.0	10	10	3
99-09-2	3-Nitroaniline	U	4	1.0	25	25	4
83-32-9	Acenaphthene	U	3	1.0	10	10	3
51-28-5	2,4-Dinitrophenol	U	23	1.0	25	25	23
608-93-5	Pentachlorobenzene	U	3	1.0	10	10	3
132-64-9	Dibenzofuran	U	3	1.0	10	10	3
100-02-7	4-Nitrophenol	U	16	1.0	25	25	16
121-14-2	2,4-Dinitrotoluene	U	4	1.0	10	10	4
134-32-7	1-Naphthylamine	U	3	1.0	10	10	3
58-90-2	2,3,4,6-Tetrachlorophenol	U	6	1.0	10	10	6
91-59-8	2-Naphthylamine	U	4	1.0	10	10	4
84-66-2	Diethylphthalate	U	4	1.0	10	10	4
86-73-7	Fluorene	U	3	1.0	10	10	3
7005-72-3	4-Chlorophenyl-phenylether	U	4	1.0	10	10	4
99-55-8	5-Nitro-O-Toluidine	U	5	1.0	10	10	5
100-01-6	4-Nitroaniline	U	5	1.0	25	25	5
534-52-1	4,6-Dinitro-2-Methylphenol	U	11	1.0	25	25	11
86-30-6	N-Nitrosodiphenylamine/DPA	U	5	1.0	10	10	5
2303-16-4	Diallate	U	5	1.0	10	10	5
99-35-4	1,3,5-Trinitrobenzene	U	6	1.0	10	10	6
101-55-3	4-Bromophenyl-phenylether	U	3	1.0	10	10	3
62-44-2	Phenacetin	U	6	1.0	10	10	6
118-74-1	Hexachlorobenzene	U	3	1.0	10	10	3
60-51-5	Dimethoate	U	8	1.0	10	10	8
1912-24-9	Atrazine	U	5	1.0	10	10	5
87-86-5	Pentachlorophenol	U	17	1.0	25	25	17
82-68-8	Pentachloronitrobenzene	U	4	1.0	10	10	4
92-67-1	4-Aminobiphenyl	U	4	1.0	10	10	4
23950-58-5	Pronamide	U	5	1.0	10	10	5
85-01-8	Phenanthrene	U	3	1.0	10	10	3
120-12-7	Anthracene	U	3	1.0	10	10	3

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 0029 NAS Pensacola
PO No:
Sample Date: 06/12/07
Received Date: 06/15/07
Extraction Date: 06/19/07
Analysis Date: 26-JUN-2007 16:15
Report Date: 06/28/2007
Matrix: WATER
% Solids: NA

Lab ID: SA3013-7
Client ID: OLFS4-MW39-0607
SDG: CTO29-1
Extracted by: KM
Extraction Method: SW846 3510
Analyst: JCG
Analysis Method: SW846 8270C
Lab Prep Batch: WG40233
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
86-74-8	Carbazole	U	4	1.0	10	10	4
84-74-2	Di-n-butylphthalate	U	7	1.0	10	10	7
56-57-5	4-Nitroquinoline-1-Oxide	U	10	1.0	25	25	10
91-80-5	Methapyrilene	U	9	1.0	10	10	9
465-73-6	Isodrin	U	4	1.0	10	10	4
206-44-0	Fluoranthene	U	8	1.0	10	10	8
129-00-0	Pyrene	U	7	1.0	10	10	7
140-57-8	Aramite	U	8	1.0	20	20	8
60-11-7	p-Dimethylaminoazobenzene	U	6	1.0	10	10	6
510-15-6	Chlorobenzilate	U	8	1.0	10	10	8
119-93-7	3,3'-Dimethylbenzidine	U	6	1.0	10	10	6
85-68-7	Butylbenzylphthalate	U	6	1.0	10	10	6
53-96-3	2-Acetylaminofluorene	U	5	1.0	10	10	5
56-55-3	Benzo(a)anthracene	U	3	1.0	10	10	3
91-94-1	3,3'-Dichlorobenzidine	U	4	1.0	10	10	4
218-01-9	Chrysene	U	3	1.0	10	10	3
117-81-7	bis(2-Ethylhexyl)phthalate	U	8	1.0	10	10	8
117-84-0	Di-n-octylphthalate	U	5	1.0	10	10	5
205-99-2	Benzo(b)fluoranthene	U	4	1.0	10	10	4
57-97-6	7,12-Dimethylbenz(A)Anthracen	U	4	1.0	10	10	4
207-08-9	Benzo(k)fluoranthene	U	5	1.0	10	10	5
70-30-4	Hexachlorophene	U	5	1.0	10	10	5
50-32-8	Benzo(a)pyrene	U	3	1.0	10	10	3
56-49-5	3-Methylcholanthrene	U	7	1.0	10	10	7
193-39-5	Indeno(1,2,3-cd)pyrene	U	7	1.0	10	10	7
53-70-3	Dibenzo(a,h)anthracene	U	8	1.0	10	10	8
191-24-2	Benzo(g,h,i)perylene	U	8	1.0	10	10	8
367-12-4	2-Fluorophenol		43%				
13127-88-3	Phenol-D6		26%				
4165-60-0	Nitrobenzene-D5		69%				
321-60-8	2-Fluorobiphenyl		78%				
118-79-6	2,4,6-Tribromophenol		66%				
1718-51-0	Terphenyl-D14		90%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 0029 NAS Pensacola
PO No:
Sample Date: 06/13/07
Received Date: 06/15/07
Extraction Date: 06/19/07
Analysis Date: 26-JUN-2007 17:00
Report Date: 06/28/2007
Matrix: WATER
% Solids: NA

Lab ID: SA3013-9
Client ID: OLFS4-MW38-0607
SDG: CTO29-1
Extracted by: KM
Extraction Method: SW846 3510
Analyst: JCG
Analysis Method: SW846 8270C
Lab Prep Batch: WG40233
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
62-75-9	N-Nitrosodimethylamine	U	5	1.0	10	10	5
110-86-1	Pyridine	U	2	1.0	50	50	2
109-06-8	2-Picoline	U	3	1.0	10	10	3
10595-95-6	N-Nitrosomethylethylamine	U	5	1.0	10	10	5
66-27-3	Methyl Methanesulfonate	U	7	1.0	10	10	7
55-18-5	N-Nitrosodiethylamine	U	4	1.0	10	10	4
62-50-0	Ethyl Methanesulfonate	U	7	1.0	10	10	7
100-52-7	Benzaldehyde	U	5	1.0	10	10	5
62-53-3	Aniline	U	6	1.0	25	25	6
108-95-2	Phenol	U	8	1.0	10	10	8
111-44-4	Bis(2-Chloroethyl)ether	U	4	1.0	10	10	4
95-57-8	2-Chlorophenol	U	8	1.0	10	10	8
100-51-6	Benzyl alcohol	U	9	1.0	20	20	9
95-48-7	2-Methylphenol	U	8	1.0	10	10	8
108-60-1	Bis(2-Chloroisopropyl)ether	U	3	1.0	10	10	3
930-55-2	N-Nitrosopyrrolidine	U	6	1.0	10	10	6
98-86-2	Acetophenone	U	5	1.0	10	10	5
621-64-7	N-Nitroso-di-n-propylamine	U	4	1.0	10	10	4
95-53-4	o-Toluidine	U	10	1.0	25	25	10
106-44-5	3&4-Methylphenol	U	8	1.0	10	10	8
59-89-2	N-Nitrosomorpholine	U	4	1.0	10	10	4
67-72-1	Hexachloroethane	U	3	1.0	10	10	3
98-95-3	Nitrobenzene	U	2	1.0	10	10	2
100-75-4	N-Nitrosopiperidine	U	3	1.0	10	10	3
78-59-1	Isophorone	U	3	1.0	10	10	3
88-75-5	2-Nitrophenol	U	7	1.0	10	10	7
105-67-9	2,4-Dimethylphenol	U	7	1.0	10	10	7
126-68-1	O,O,O-Triethylphosphorothioat	U	3	1.0	10	10	3
111-91-1	Bis(2-Chloroethoxy)methane	U	3	1.0	10	10	3
120-83-2	2,4-Dichlorophenol	U	7	1.0	10	10	7
120-82-1	1,2,4-Trichlorobenzene	U	2	1.0	10	10	2
91-20-3	Naphthalene	U	3	1.0	10	10	3
122-09-8	A,A-Dimethylphenethylamine	U	15	1.0	25	25	15
87-65-0	2,6-Dichlorophenol	U	8	1.0	10	10	8
106-47-8	4-Chloroaniline	U	5	1.0	10	10	5
1888-71-7	Hexachloropropene	U	3	1.0	10	10	3
87-68-3	Hexachlorobutadiene	U	2	1.0	10	10	2
924-16-3	N-Nitroso-Di-N-Butylamine	U	8	1.0	10	10	8
106-50-3	p-Phenylenediamine	U	5	1.0	10	10	5
105-60-2	Caprolactam	U	9	1.0	10	10	9
59-50-7	4-Chloro-3-Methylphenol	U	10	1.0	10	10	10
94-59-7	Safrole	U	3	1.0	10	10	3
120-58-1	Isosafrole	U	5	1.0	10	10	5

Sample Data Summary A0000084

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 0029 NAS Pensacola
PO No:
Sample Date: 06/13/07
Received Date: 06/15/07
Extraction Date: 06/19/07
Analysis Date: 26-JUN-2007 17:00
Report Date: 06/28/2007
Matrix: WATER
% Solids: NA

Lab ID: SA3013-9
Client ID: OLFS4-MW38-0607
SDG: CTO29-1
Extracted by: KM
Extraction Method: SW846 3510
Analyst: JCG
Analysis Method: SW846 8270C
Lab Prep Batch: WG40233
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
91-57-6	2-Methylnaphthalene	U	4	1.0	10	10	4
77-47-4	Hexachlorocyclopentadiene	U	2	1.0	10	10	2
95-94-3	1,2,4,5-Tetrachlorobenzene	U	4	1.0	10	10	4
88-06-2	2,4,6-Trichlorophenol	U	7	1.0	10	10	7
95-95-4	2,4,5-Trichlorophenol	U	7	1.0	25	25	7
91-58-7	2-Chloronaphthalene	U	3	1.0	10	10	3
92-52-4	1,1'-Biphenyl	U	3	1.0	10	10	3
88-74-4	2-Nitroaniline	U	3	1.0	25	25	3
130-15-4	1,4-Naphthoquinone	U	4	1.0	10	10	4
131-11-3	Dimethyl Phthalate	U	4	1.0	10	10	4
99-65-0	1,3-Dinitrobenzene	U	5	1.0	10	10	5
606-20-2	2,6-Dinitrotoluene	U	4	1.0	10	10	4
208-96-8	Acenaphthylene	U	3	1.0	10	10	3
99-09-2	3-Nitroaniline	U	4	1.0	25	25	4
83-32-9	Acenaphthene	U	3	1.0	10	10	3
51-28-5	2,4-Dinitrophenol	U	22	1.0	25	25	22
608-93-5	Pentachlorobenzene	U	3	1.0	10	10	3
132-64-9	Dibenzofuran	U	3	1.0	10	10	3
100-02-7	4-Nitrophenol	U	15	1.0	25	25	15
121-14-2	2,4-Dinitrotoluene	U	4	1.0	10	10	4
134-32-7	1-Naphthylamine	U	3	1.0	10	10	3
58-90-2	2,3,4,6-Tetrachlorophenol	U	6	1.0	10	10	6
91-59-8	2-Naphthylamine	U	4	1.0	10	10	4
84-66-2	Diethylphthalate	U	3	1.0	10	10	3
86-73-7	Fluorene	U	3	1.0	10	10	3
7005-72-3	4-Chlorophenyl-phenylether	U	3	1.0	10	10	3
99-55-8	5-Nitro-O-Toluidine	U	5	1.0	10	10	5
100-01-6	4-Nitroaniline	U	5	1.0	25	25	5
534-52-1	4,6-Dinitro-2-Methylphenol	U	11	1.0	25	25	11
86-30-6	N-Nitrosodiphenylamine/DPA	U	5	1.0	10	10	5
2303-16-4	Diallate	U	4	1.0	10	10	4
99-35-4	1,3,5-Trinitrobenzene	U	6	1.0	10	10	6
101-55-3	4-Bromophenyl-phenylether	U	3	1.0	10	10	3
62-44-2	Phenacetin	U	6	1.0	10	10	6
118-74-1	Hexachlorobenzene	U	3	1.0	10	10	3
60-51-5	Dimethoate	U	7	1.0	10	10	7
1912-24-9	Atrazine	U	5	1.0	10	10	5
87-86-5	Pentachlorophenol	U	17	1.0	25	25	17
82-68-8	Pentachloronitrobenzene	U	4	1.0	10	10	4
92-67-1	4-Aminobiphenyl	U	4	1.0	10	10	4
23950-58-5	Pronamide	U	5	1.0	10	10	5
85-01-8	Phenanthrene	U	3	1.0	10	10	3
120-12-7	Anthracene	U	3	1.0	10	10	3

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 0029 NAS Pensacola
PO No:
Sample Date: 06/13/07
Received Date: 06/15/07
Extraction Date: 06/19/07
Analysis Date: 26-JUN-2007 17:00
Report Date: 06/28/2007
Matrix: WATER
% Solids: NA

Lab ID: SA3013-9
Client ID: OLFS4-MW38-0607
SDG: CTO29-1
Extracted by: KM
Extraction Method: SW846 3510
Analyst: JCG
Analysis Method: SW846 8270C
Lab Prep Batch: WG40233
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
86-74-8	Carbazole	U	4	1.0	10	10	4
84-74-2	Di-n-butylphthalate	U	7	1.0	10	10	7
56-57-5	4-Nitroquinoline-1-Oxide	U	10	1.0	25	25	10
91-80-5	Methapyrilene	U	9	1.0	10	10	9
465-73-6	Isodrin	U	4	1.0	10	10	4
206-44-0	Fluoranthene	U	8	1.0	10	10	8
129-00-0	Pyrene	U	6	1.0	10	10	6
140-57-8	Aramite	U	8	1.0	20	20	8
60-11-7	p-Dimethylaminoazobenzene	U	6	1.0	10	10	6
510-15-6	Chlorobenzilate	U	7	1.0	10	10	7
119-93-7	3,3'-Dimethylbenzidine	U	6	1.0	10	10	6
85-68-7	Butylbenzylphthalate	U	6	1.0	10	10	6
53-96-3	2-Acetylaminofluorene	U	4	1.0	10	10	4
56-55-3	Benzo(a)anthracene	U	2	1.0	10	10	2
91-94-1	3,3'-Dichlorobenzidine	U	4	1.0	10	10	4
218-01-9	Chrysene	U	3	1.0	10	10	3
117-81-7	bis(2-Ethylhexyl)phthalate	U	8	1.0	10	10	8
117-84-0	Di-n-octylphthalate	U	5	1.0	10	10	5
205-99-2	Benzo(b)fluoranthene	U	3	1.0	10	10	3
57-97-6	7,12-Dimethylbenz(A)Anthracen	U	4	1.0	10	10	4
207-08-9	Benzo(k)fluoranthene	U	5	1.0	10	10	5
70-30-4	Hexachlorophene	U	5	1.0	10	10	5
50-32-8	Benzo(a)pyrene	U	3	1.0	10	10	3
56-49-5	3-Methylcholanthrene	U	6	1.0	10	10	6
193-39-5	Indeno(1,2,3-cd)pyrene	U	7	1.0	10	10	7
53-70-3	Dibenzo(a,h)anthracene	U	7	1.0	10	10	7
191-24-2	Benzo(g,h,i)perylene	U	8	1.0	10	10	8
367-12-4	2-Fluorophenol		J 30%				
13127-88-3	Phenol-D6		18%				
4165-60-0	Nitrobenzene-D5		68%				
321-60-8	2-Fluorobiphenyl		74%				
118-79-6	2,4,6-Tribromophenol		J 50%				
1718-51-0	Terphenyl-D14		52%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 0029 NAS Pensacola
PO No:
Sample Date: 06/13/07
Received Date: 06/15/07
Extraction Date: 06/19/07
Analysis Date: 26-JUN-2007 17:46
Report Date: 06/28/2007
Matrix: WATER
% Solids: NA

Lab ID: SA3013-11
Client ID: OLFS4-MW41-0607
SDG: CTO29-1
Extracted by: KM
Extraction Method: SW846 3510
Analyst: JCG
Analysis Method: SW846 8270C
Lab Prep Batch: WG40233
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
62-75-9	N-Nitrosodimethylamine	U	5	1.0	10	10	5
110-86-1	Pyridine	U	2	1.0	50	51	2
109-06-8	2-Picoline	U	3	1.0	10	10	3
10595-95-6	N-Nitrosomethylethylamine	U	6	1.0	10	10	6
66-27-3	Methyl Methanesulfonate	U	7	1.0	10	10	7
55-18-5	N-Nitrosodiethylamine	U	4	1.0	10	10	4
62-50-0	Ethyl Methanesulfonate	U	7	1.0	10	10	7
100-52-7	Benzaldehyde	U	5	1.0	10	10	5
62-53-3	Aniline	U	6	1.0	25	26	6
108-95-2	Phenol	U	9	1.0	10	10	9
111-44-4	Bis(2-Chloroethyl)ether	U	4	1.0	10	10	4
95-57-8	2-Chlorophenol	U	9	1.0	10	10	9
100-51-6	Benzyl alcohol	U	9	1.0	20	20	9
95-48-7	2-Methylphenol	U	8	1.0	10	10	8
108-60-1	Bis(2-Chloroisopropyl)ether	U	4	1.0	10	10	4
930-55-2	N-Nitrosopyrrolidine	U	6	1.0	10	10	6
98-86-2	Acetophenone	U	6	1.0	10	10	6
621-64-7	N-Nitroso-di-n-propylamine	U	4	1.0	10	10	4
95-53-4	o-Toluidine	U	10	1.0	25	26	10
106-44-5	3&4-Methylphenol	U	9	1.0	10	10	9
59-89-2	N-Nitrosomorpholine	U	4	1.0	10	10	4
67-72-1	Hexachloroethane	U	3	1.0	10	10	3
98-95-3	Nitrobenzene	U	2	1.0	10	10	2
100-75-4	N-Nitrosopiperidine	U	3	1.0	10	10	3
78-59-1	Isophorone	U	3	1.0	10	10	3
88-75-5	2-Nitrophenol	U	7	1.0	10	10	7
105-67-9	2,4-Dimethylphenol	U	7	1.0	10	10	7
126-68-1	O,O,O-Triethylphosphorothioat	U	3	1.0	10	10	3
111-91-1	Bis(2-Chloroethoxy)methane	U	4	1.0	10	10	4
120-83-2	2,4-Dichlorophenol	U	7	1.0	10	10	7
120-82-1	1,2,4-Trichlorobenzene	U	2	1.0	10	10	2
91-20-3	Naphthalene	U	3	1.0	10	10	3
122-09-8	A,A-Dimethylphenethylamine	U	16	1.0	25	26	16
87-65-0	2,6-Dichlorophenol	U	8	1.0	10	10	8
106-47-8	4-Chloroaniline	U	5	1.0	10	10	5
1888-71-7	Hexachloropropene	U	3	1.0	10	10	3
87-68-3	Hexachlorobutadiene	U	3	1.0	10	10	3
924-16-3	N-Nitroso-Di-N-Butylamine	U	8	1.0	10	10	8
106-50-3	p-Phenylenediamine	U	5	1.0	10	10	5
105-60-2	Caprolactam	U	9	1.0	10	10	9
59-50-7	4-Chloro-3-Methylphenol	U	10	1.0	10	10	10
94-59-7	Safrole	U	4	1.0	10	10	4
120-58-1	Isosafrole	U	5	1.0	10	10	5

Sample Data Summary A0000087

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 0029 NAS Pensacola
PO No:
Sample Date: 06/13/07
Received Date: 06/15/07
Extraction Date: 06/19/07
Analysis Date: 26-JUN-2007 17:46
Report Date: 06/28/2007
Matrix: WATER
% Solids: NA

Lab ID: SA3013-11
Client ID: OLFS4-MW41-0607
SDG: CTO29-1
Extracted by: KM
Extraction Method: SW846 3510
Analyst: JCG
Analysis Method: SW846 8270C
Lab Prep Batch: WG40233
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
91-57-6	2-Methylnaphthalene	U	4	1.0	10	10	4
77-47-4	Hexachlorocyclopentadiene	U	3	1.0	10	10	3
95-94-3	1,2,4,5-Tetrachlorobenzene	U	4	1.0	10	10	4
88-06-2	2,4,6-Trichlorophenol	U	7	1.0	10	10	7
95-95-4	2,4,5-Trichlorophenol	U	7	1.0	25	26	7
91-58-7	2-Chloronaphthalene	U	3	1.0	10	10	3
92-52-4	1,1'-Biphenyl	U	3	1.0	10	10	3
88-74-4	2-Nitroaniline	U	3	1.0	25	26	3
130-15-4	1,4-Naphthoquinone	U	4	1.0	10	10	4
131-11-3	Dimethyl Phthalate	U	4	1.0	10	10	4
99-65-0	1,3-Dinitrobenzene	U	5	1.0	10	10	5
606-20-2	2,6-Dinitrotoluene	U	4	1.0	10	10	4
208-96-8	Acenaphthylene	U	3	1.0	10	10	3
99-09-2	3-Nitroaniline	U	4	1.0	25	26	4
83-32-9	Acenaphthene	U	3	1.0	10	10	3
51-28-5	2,4-Dinitrophenol	U	23	1.0	25	26	23
608-93-5	Pentachlorobenzene	U	3	1.0	10	10	3
132-64-9	Dibenzofuran	U	4	1.0	10	10	4
100-02-7	4-Nitrophenol	U	16	1.0	25	26	16
121-14-2	2,4-Dinitrotoluene	U	4	1.0	10	10	4
134-32-7	1-Naphthylamine	U	3	1.0	10	10	3
58-90-2	2,3,4,6-Tetrachlorophenol	U	7	1.0	10	10	7
91-59-8	2-Naphthylamine	U	4	1.0	10	10	4
84-66-2	Diethylphthalate	U	4	1.0	10	10	4
86-73-7	Fluorene	U	3	1.0	10	10	3
7005-72-3	4-Chlorophenyl-phenylether	U	4	1.0	10	10	4
99-55-8	5-Nitro-O-Toluidine	U	5	1.0	10	10	5
100-01-6	4-Nitroaniline	U	5	1.0	25	26	5
534-52-1	4,6-Dinitro-2-Methylphenol	U	11	1.0	25	26	11
86-30-6	N-Nitrosodiphenylamine/DPA	U	5	1.0	10	10	5
2303-16-4	Diallate	U	5	1.0	10	10	5
99-35-4	1,3,5-Trinitrobenzene	U	6	1.0	10	10	6
101-55-3	4-Bromophenyl-phenylether	U	3	1.0	10	10	3
62-44-2	Phenacetin	U	6	1.0	10	10	6
118-74-1	Hexachlorobenzene	U	3	1.0	10	10	3
60-51-5	Dimethoate	U	8	1.0	10	10	8
1912-24-9	Atrazine	U	5	1.0	10	10	5
87-86-5	Pentachlorophenol	U	18	1.0	25	26	18
82-68-8	Pentachloronitrobenzene	U	4	1.0	10	10	4
92-67-1	4-Aminobiphenyl	U	4	1.0	10	10	4
23950-58-5	Pronamide	U	5	1.0	10	10	5
85-01-8	Phenanthrene	U	3	1.0	10	10	3
120-12-7	Anthracene	U	4	1.0	10	10	4

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

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PO No:
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Extraction Date: 06/19/07
Analysis Date: 26-JUN-2007 17:46
Report Date: 06/28/2007
Matrix: WATER
% Solids: NA

Lab ID: SA3013-11
Client ID: OLFS4-MW41-0607
SDG: CTO29-1
Extracted by: KM
Extraction Method: SW846 3510
Analyst: JCG
Analysis Method: SW846 8270C
Lab Prep Batch: WG40233
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
86-74-8	Carbazole	U	4	1.0	10	10	4
84-74-2	Di-n-butylphthalate	U	7	1.0	10	10	7
56-57-5	4-Nitroquinoline-1-Oxide	U	10	1.0	25	26	10
91-80-5	Methapyrilene	U	9	1.0	10	10	9
465-73-6	Isodrin	U	5	1.0	10	10	5
206-44-0	Fluoranthene	U	8	1.0	10	10	8
129-00-0	Pyrene	U	7	1.0	10	10	7
140-57-8	Aramite	U	8	1.0	20	20	8
60-11-7	p-Dimethylaminoazobenzene	U	6	1.0	10	10	6
510-15-6	Chlorobenzilate	U	8	1.0	10	10	8
119-93-7	3,3'-Dimethylbenzidine	U	6	1.0	10	10	6
85-68-7	Butylbenzylphthalate	U	6	1.0	10	10	6
53-96-3	2-Acetylaminofluorene	U	5	1.0	10	10	5
56-55-3	Benzo(a)anthracene	U	3	1.0	10	10	3
91-94-1	3,3'-Dichlorobenzidine	U	4	1.0	10	10	4
218-01-9	Chrysene	U	3	1.0	10	10	3
117-81-7	bis(2-Ethylhexyl)phthalate	U	8	1.0	10	10	8
117-84-0	Di-n-octylphthalate	U	5	1.0	10	10	5
205-99-2	Benzo(b)fluoranthene	U	4	1.0	10	10	4
57-97-6	7,12-Dimethylbenz(A)Anthracen	U	4	1.0	10	10	4
207-08-9	Benzo(k)fluoranthene	U	5	1.0	10	10	5
70-30-4	Hexachlorophene	U	5	1.0	10	10	5
50-32-8	Benzo(a)pyrene	U	3	1.0	10	10	3
56-49-5	3-Methylcholanthrene	U	7	1.0	10	10	7
193-39-5	Indeno(1,2,3-cd)pyrene	U	8	1.0	10	10	8
53-70-3	Dibenzo(a,h)anthracene	U	8	1.0	10	10	8
191-24-2	Benzo(g,h,i)perylene	U	8	1.0	10	10	8
367-12-4	2-Fluorophenol		34%				
13127-88-3	Phenol-D6		20%				
4165-60-0	Nitrobenzene-D5		68%				
321-60-8	2-Fluorobiphenyl		75%				
118-79-6	2,4,6-Tribromophenol		67%				
1718-51-0	Terphenyl-D14		83%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 0029 NAS Pensacola
PO No:
Sample Date: 06/13/07
Received Date: 06/15/07
Extraction Date: 06/19/07
Analysis Date: 26-JUN-2007 18:36
Report Date: 06/28/2007
Matrix: WATER
% Solids: NA

Lab ID: SA3013-13
Client ID: OLFS4-MW45-0607
SDG: CTO29-1
Extracted by: KM
Extraction Method: SW846 3510
Analyst: JCG
Analysis Method: SW846 8270C
Lab Prep Batch: WG40233
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
62-75-9	N-Nitrosodimethylamine	U	5	1.0	10	10	5
110-86-1	Pyridine	U	2	1.0	50	52	2
109-06-8	2-Picoline	U	3	1.0	10	10	3
10595-95-6	N-Nitrosomethylethylamine	U	6	1.0	10	10	6
66-27-3	Methyl Methanesulfonate	U	7	1.0	10	10	7
55-18-5	N-Nitrosodiethylamine	U	4	1.0	10	10	4
62-50-0	Ethyl Methanesulfonate	U	7	1.0	10	10	7
100-52-7	Benzaldehyde	U	5	1.0	10	10	5
62-53-3	Aniline	U	6	1.0	25	26	6
108-95-2	Phenol	U	9	1.0	10	10	9
111-44-4	Bis(2-Chloroethyl)ether	U	4	1.0	10	10	4
95-57-8	2-Chlorophenol	U	9	1.0	10	10	9
100-51-6	Benzyl alcohol	U	9	1.0	20	21	9
95-48-7	2-Methylphenol	U	8	1.0	10	10	8
108-60-1	Bis(2-Chloroisopropyl)ether	U	4	1.0	10	10	4
930-55-2	N-Nitrosopyrrolidine	U	6	1.0	10	10	6
98-86-2	Acetophenone	U	6	1.0	10	10	6
621-64-7	N-Nitroso-di-n-propylamine	U	4	1.0	10	10	4
95-53-4	o-Toluidine	U	10	1.0	25	26	10
106-44-5	3&4-Methylphenol	U	9	1.0	10	10	9
59-89-2	N-Nitrosomorpholine	U	4	1.0	10	10	4
67-72-1	Hexachloroethane	U	3	1.0	10	10	3
98-95-3	Nitrobenzene	U	2	1.0	10	10	2
100-75-4	N-Nitrosopiperidine	U	3	1.0	10	10	3
78-59-1	Isophorone	U	3	1.0	10	10	3
88-75-5	2-Nitrophenol	U	7	1.0	10	10	7
105-67-9	2,4-Dimethylphenol	U	7	1.0	10	10	7
126-68-1	O,O,O-Triethylphosphorothioat	U	3	1.0	10	10	3
111-91-1	Bis(2-Chloroethoxy)methane	U	4	1.0	10	10	4
120-83-2	2,4-Dichlorophenol	U	7	1.0	10	10	7
120-82-1	1,2,4-Trichlorobenzene	U	3	1.0	10	10	3
91-20-3	Naphthalene	U	3	1.0	10	10	3
122-09-8	A,A-Dimethylphenethylamine	U	16	1.0	25	26	16
87-65-0	2,6-Dichlorophenol	U	8	1.0	10	10	8
106-47-8	4-Chloroaniline	U	5	1.0	10	10	5
1888-71-7	Hexachloropropene	U	3	1.0	10	10	3
87-68-3	Hexachlorobutadiene	U	3	1.0	10	10	3
924-16-3	N-Nitroso-Di-N-Butylamine	U	8	1.0	10	10	8
106-50-3	p-Phenylenediamine	U	5	1.0	10	10	5
105-60-2	Caprolactam	U	9	1.0	10	10	9
59-50-7	4-Chloro-3-Methylphenol	U	10	1.0	10	10	10
94-59-7	Safrole	U	4	1.0	10	10	4
120-58-1	Isosafrole	U	5	1.0	10	10	5

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 0029 NAS Pensacola
PO No:
Sample Date: 06/13/07
Received Date: 06/15/07
Extraction Date: 06/19/07
Analysis Date: 26-JUN-2007 18:36
Report Date: 06/28/2007
Matrix: WATER
% Solids: NA

Lab ID: SA3013-13
Client ID: OLFS4-MW45-0607
SDG: CTO29-1
Extracted by: KM
Extraction Method: SW846 3510
Analyst: JCG
Analysis Method: SW846 8270C
Lab Prep Batch: WG40233
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
91-57-6	2-Methylnaphthalene	U	4	1.0	10	10	4
77-47-4	Hexachlorocyclopentadiene	U	3	1.0	10	10	3
95-94-3	1,2,4,5-Tetrachlorobenzene	U	4	1.0	10	10	4
88-06-2	2,4,6-Trichlorophenol	U	7	1.0	10	10	7
95-95-4	2,4,5-Trichlorophenol	U	7	1.0	25	26	7
91-58-7	2-Chloronaphthalene	U	3	1.0	10	10	3
92-52-4	1,1'-Biphenyl	U	3	1.0	10	10	3
88-74-4	2-Nitroaniline	U	4	1.0	25	26	4
130-15-4	1,4-Naphthoquinone	U	4	1.0	10	10	4
131-11-3	Dimethyl Phthalate	U	4	1.0	10	10	4
99-65-0	1,3-Dinitrobenzene	U	5	1.0	10	10	5
606-20-2	2,6-Dinitrotoluene	U	4	1.0	10	10	4
208-96-8	Acenaphthylene	U	3	1.0	10	10	3
99-09-2	3-Nitroaniline	U	4	1.0	25	26	4
83-32-9	Acenaphthene	U	3	1.0	10	10	3
51-28-5	2,4-Dinitrophenol	U	24	1.0	25	26	24
608-93-5	Pentachlorobenzene	U	3	1.0	10	10	3
132-64-9	Dibenzofuran	U	4	1.0	10	10	4
100-02-7	4-Nitrophenol	U	16	1.0	25	26	16
121-14-2	2,4-Dinitrotoluene	U	4	1.0	10	10	4
134-32-7	1-Naphthylamine	U	3	1.0	10	10	3
58-90-2	2,3,4,6-Tetrachlorophenol	U	7	1.0	10	10	7
91-59-8	2-Naphthylamine	U	4	1.0	10	10	4
84-66-2	Diethylphthalate	U	4	1.0	10	10	4
86-73-7	Fluorene	U	3	1.0	10	10	3
7005-72-3	4-Chlorophenyl-phenylether	U	4	1.0	10	10	4
99-55-8	5-Nitro-O-Toluidine	U	5	1.0	10	10	5
100-01-6	4-Nitroaniline	U	5	1.0	25	26	5
534-52-1	4,6-Dinitro-2-Methylphenol	U	12	1.0	25	26	12
86-30-6	N-Nitrosodiphenylamine/DPA	U	5	1.0	10	10	5
2303-16-4	Diallate	U	5	1.0	10	10	5
99-35-4	1,3,5-Trinitrobenzene	U	6	1.0	10	10	6
101-55-3	4-Bromophenyl-phenylether	U	3	1.0	10	10	3
62-44-2	Phenacetin	U	6	1.0	10	10	6
118-74-1	Hexachlorobenzene	U	3	1.0	10	10	3
60-51-5	Dimethoate	U	8	1.0	10	10	8
1912-24-9	Atrazine	U	5	1.0	10	10	5
87-86-5	Pentachlorophenol	U	18	1.0	25	26	18
82-68-8	Pentachloronitrobenzene	U	4	1.0	10	10	4
92-67-1	4-Aminobiphenyl	U	4	1.0	10	10	4
23950-58-5	Pronamide	U	5	1.0	10	10	5
85-01-8	Phenanthrene	U	3	1.0	10	10	3
120-12-7	Anthracene	U	4	1.0	10	10	4

Sample Data Summary A0000091

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 0029 NAS Pensacola
PO No:
Sample Date: 06/13/07
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Analysis Date: 26-JUN-2007 18:36
Report Date: 06/28/2007
Matrix: WATER
% Solids: NA

Lab ID: SA3013-13
Client ID: OLFS4-MW45-0607
SDG: CTO29-1
Extracted by: KM
Extraction Method: SW846 3510
Analyst: JCG
Analysis Method: SW846 8270C
Lab Prep Batch: WG40233
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
86-74-8	Carbazole	U	4	1.0	10	10	4
84-74-2	Di-n-butylphthalate	U	7	1.0	10	10	7
56-57-5	4-Nitroquinoline-1-Oxide	U	10	1.0	25	26	10
91-80-5	Methapyrilene	U	9	1.0	10	10	9
465-73-6	Isodrin	U	5	1.0	10	10	5
206-44-0	Fluoranthene	U	8	1.0	10	10	8
129-00-0	Pyrene	U	7	1.0	10	10	7
140-57-8	Aramite	U	8	1.0	20	21	8
60-11-7	p-Dimethylaminoazobenzene	U	6	1.0	10	10	6
510-15-6	Chlorobenzilate	U	8	1.0	10	10	8
119-93-7	3,3'-Dimethylbenzidine	U	6	1.0	10	10	6
85-68-7	Butylbenzylphthalate	U	6	1.0	10	10	6
53-96-3	2-Acetylaminofluorene	U	5	1.0	10	10	5
56-55-3	Benzo(a)anthracene	U	3	1.0	10	10	3
91-94-1	3,3'-Dichlorobenzidine	U	4	1.0	10	10	4
218-01-9	Chrysene	U	3	1.0	10	10	3
117-81-7	bis(2-Ethylhexyl)phthalate	U	8	1.0	10	10	8
117-84-0	Di-n-octylphthalate	U	5	1.0	10	10	5
205-99-2	Benzo(b)fluoranthene	U	4	1.0	10	10	4
57-97-6	7,12-Dimethylbenz(A)Anthracen	U	4	1.0	10	10	4
207-08-9	Benzo(k)fluoranthene	U	5	1.0	10	10	5
70-30-4	Hexachlorophene	U	5	1.0	10	10	5
50-32-8	Benzo(a)pyrene	U	3	1.0	10	10	3
56-49-5	3-Methylcholanthrene	U	7	1.0	10	10	7
193-39-5	Indeno(1,2,3-cd)pyrene	U	8	1.0	10	10	8
53-70-3	Dibenzo(a,h)anthracene	U	8	1.0	10	10	8
191-24-2	Benzo(g,h,i)perylene	U	8	1.0	10	10	8
367-12-4	2-Fluorophenol		37%				
13127-88-3	Phenol-D6		24%				
4165-60-0	Nitrobenzene-D5		71%				
321-60-8	2-Fluorobiphenyl		77%				
118-79-6	2,4,6-Tribromophenol		58%				
1718-51-0	Terphenyl-D14		81%				

KATAHDIN ANALYTICAL SERVICES
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Client: Tetra Tech NUS, Inc
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PO No:
Sample Date: 06/13/07
Received Date: 06/15/07
Extraction Date: 06/19/07
Analysis Date: 26-JUN-2007 19:28
Report Date: 06/28/2007
Matrix: WATER
% Solids: NA

Lab ID: SA3013-15
Client ID: OLFS4-MW46-0607
SDG: CTO29-1
Extracted by: KM
Extraction Method: SW846 3510
Analyst: JCG
Analysis Method: SW846 8270C
Lab Prep Batch: WG40233
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
62-75-9	N-Nitrosodimethylamine	U	5	1.0	10	10	5
110-86-1	Pyridine	U	2	1.0	50	51	2
109-06-8	2-Picoline	U	3	1.0	10	10	3
10595-95-6	N-Nitrosomethylethylamine	U	6	1.0	10	10	6
66-27-3	Methyl Methanesulfonate	U	7	1.0	10	10	7
55-18-5	N-Nitrosodiethylamine	U	4	1.0	10	10	4
62-50-0	Ethyl Methanesulfonate	U	7	1.0	10	10	7
100-52-7	Benzaldehyde	U	5	1.0	10	10	5
62-53-3	Aniline	U	6	1.0	25	26	6
108-95-2	Phenol	U	9	1.0	10	10	9
111-44-4	Bis(2-Chloroethyl)ether	U	4	1.0	10	10	4
95-57-8	2-Chlorophenol	U	9	1.0	10	10	9
100-51-6	Benzyl alcohol	U	9	1.0	20	20	9
95-48-7	2-Methylphenol	U	8	1.0	10	10	8
108-60-1	Bis(2-Chloroisopropyl)ether	U	4	1.0	10	10	4
930-55-2	N-Nitrosopyrrolidine	U	6	1.0	10	10	6
98-86-2	Acetophenone	U	6	1.0	10	10	6
621-64-7	N-Nitroso-di-n-propylamine	U	4	1.0	10	10	4
95-53-4	o-Toluidine	U	10	1.0	25	26	10
106-44-5	3&4-Methylphenol	U	9	1.0	10	10	9
59-89-2	N-Nitrosomorpholine	U	4	1.0	10	10	4
67-72-1	Hexachloroethane	U	3	1.0	10	10	3
98-95-3	Nitrobenzene	U	2	1.0	10	10	2
100-75-4	N-Nitrosopiperidine	U	3	1.0	10	10	3
78-59-1	Isophorone	U	3	1.0	10	10	3
88-75-5	2-Nitrophenol	U	7	1.0	10	10	7
105-67-9	2,4-Dimethylphenol	U	7	1.0	10	10	7
126-68-1	O,O,O-Triethylphosphorothioat	U	3	1.0	10	10	3
111-91-1	Bis(2-Chloroethoxy)methane	U	4	1.0	10	10	4
120-83-2	2,4-Dichlorophenol	U	7	1.0	10	10	7
120-82-1	1,2,4-Trichlorobenzene	U	2	1.0	10	10	2
91-20-3	Naphthalene	U	3	1.0	10	10	3
122-09-8	A,A-Dimethylphenethylamine	U	16	1.0	25	26	16
87-65-0	2,6-Dichlorophenol	U	8	1.0	10	10	8
106-47-8	4-Chloroaniline	U	5	1.0	10	10	5
1888-71-7	Hexachloropropene	U	3	1.0	10	10	3
87-68-3	Hexachlorobutadiene	U	3	1.0	10	10	3
924-16-3	N-Nitroso-Di-N-Butylamine	U	8	1.0	10	10	8
106-50-3	p-Phenylenediamine	U	5	1.0	10	10	5
105-60-2	Caprolactam	U	9	1.0	10	10	9
59-50-7	4-Chloro-3-Methylphenol	U	10	1.0	10	10	10
94-59-7	Safrole	U	4	1.0	10	10	4
120-58-1	Isosafrole	U	5	1.0	10	10	5

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

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Project: CTO 0029 NAS Pensacola
PO No:
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Extraction Date: 06/19/07
Analysis Date: 26-JUN-2007 19:28
Report Date: 06/28/2007
Matrix: WATER
% Solids: NA

Lab ID: SA3013-15
Client ID: OLFS4-MW46-0607
SDG: CTO29-1
Extracted by: KM
Extraction Method: SW846 3510
Analyst: JCG
Analysis Method: SW846 8270C
Lab Prep Batch: WG40233
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
91-57-6	2-Methylnaphthalene	U	4	1.0	10	10	4
77-47-4	Hexachlorocyclopentadiene	U	3	1.0	10	10	3
95-94-3	1,2,4,5-Tetrachlorobenzene	U	4	1.0	10	10	4
88-06-2	2,4,6-Trichlorophenol	U	7	1.0	10	10	7
95-95-4	2,4,5-Trichlorophenol	U	7	1.0	25	26	7
91-58-7	2-Chloronaphthalene	U	3	1.0	10	10	3
92-52-4	1,1'-Biphenyl	U	3	1.0	10	10	3
88-74-4	2-Nitroaniline	U	3	1.0	25	26	3
130-15-4	1,4-Naphthoquinone	U	4	1.0	10	10	4
131-11-3	Dimethyl Phthalate	U	4	1.0	10	10	4
99-65-0	1,3-Dinitrobenzene	U	5	1.0	10	10	5
606-20-2	2,6-Dinitrotoluene	U	4	1.0	10	10	4
208-96-8	Acenaphthylene	U	3	1.0	10	10	3
99-09-2	3-Nitroaniline	U	4	1.0	25	26	4
83-32-9	Acenaphthene	U	3	1.0	10	10	3
51-28-5	2,4-Dinitrophenol	U	23	1.0	25	26	23
608-93-5	Pentachlorobenzene	U	3	1.0	10	10	3
132-64-9	Dibenzofuran	U	4	1.0	10	10	4
100-02-7	4-Nitrophenol	U	16	1.0	25	26	16
121-14-2	2,4-Dinitrotoluene	U	4	1.0	10	10	4
134-32-7	1-Naphthylamine	U	3	1.0	10	10	3
58-90-2	2,3,4,6-Tetrachlorophenol	U	7	1.0	10	10	7
91-59-8	2-Naphthylamine	U	4	1.0	10	10	4
84-66-2	Diethylphthalate	U	4	1.0	10	10	4
86-73-7	Fluorene	U	3	1.0	10	10	3
7005-72-3	4-Chlorophenyl-phenylether	U	4	1.0	10	10	4
99-55-8	5-Nitro-O-Toluidine	U	5	1.0	10	10	5
100-01-6	4-Nitroaniline	U	5	1.0	25	26	5
534-52-1	4,6-Dinitro-2-Methylphenol	U	11	1.0	25	26	11
86-30-6	N-Nitrosodiphenylamine/DPA	U	5	1.0	10	10	5
2303-16-4	Diallate	U	5	1.0	10	10	5
99-35-4	1,3,5-Trinitrobenzene	U	6	1.0	10	10	6
101-55-3	4-Bromophenyl-phenylether	U	3	1.0	10	10	3
62-44-2	Phenacetin	U	6	1.0	10	10	6
118-74-1	Hexachlorobenzene	U	3	1.0	10	10	3
60-51-5	Dimethoate	U	8	1.0	10	10	8
1912-24-9	Atrazine	U	5	1.0	10	10	5
87-86-5	Pentachlorophenol	U	18	1.0	25	26	18
82-68-8	Pentachloronitrobenzene	U	4	1.0	10	10	4
92-67-1	4-Aminobiphenyl	U	4	1.0	10	10	4
23950-58-5	Pronamide	U	5	1.0	10	10	5
85-01-8	Phenanthrene	U	3	1.0	10	10	3
120-12-7	Anthracene	U	4	1.0	10	10	4

KATAHDIN ANALYTICAL SERVICES
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Extraction Date: 06/19/07
Analysis Date: 26-JUN-2007 19:28
Report Date: 06/28/2007
Matrix: WATER
% Solids: NA

Lab ID: SA3013-15
Client ID: OLFS4-MW46-0607
SDG: CTO29-1
Extracted by: KM
Extraction Method: SW846 3510
Analyst: JCG
Analysis Method: SW846 8270C
Lab Prep Batch: WG40233
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
86-74-8	Carbazole	U	4	1.0	10	10	4
84-74-2	Di-n-butylphthalate	U	7	1.0	10	10	7
56-57-5	4-Nitroquinoline-1-Oxide	U	10	1.0	25	26	10
91-80-5	Methapyrilene	U	9	1.0	10	10	9
465-73-6	Isodrin	U	5	1.0	10	10	5
206-44-0	Fluoranthene	U	8	1.0	10	10	8
129-00-0	Pyrene	U	7	1.0	10	10	7
140-57-8	Aramite	U	8	1.0	20	20	8
60-11-7	p-Dimethylaminoazobenzene	U	6	1.0	10	10	6
510-15-6	Chlorobenzilate	U	8	1.0	10	10	8
119-93-7	3,3'-Dimethylbenzidine	U	6	1.0	10	10	6
85-68-7	Butylbenzylphthalate	U	6	1.0	10	10	6
53-96-3	2-Acetylaminofluorene	U	5	1.0	10	10	5
56-55-3	Benzo(a)anthracene	U	3	1.0	10	10	3
91-94-1	3,3'-Dichlorobenzidine	U	4	1.0	10	10	4
218-01-9	Chrysene	U	3	1.0	10	10	3
117-81-7	bis(2-Ethylhexyl)phthalate	U	8	1.0	10	10	8
117-84-0	Di-n-octylphthalate	U	5	1.0	10	10	5
205-99-2	Benzo(b)fluoranthene	U	4	1.0	10	10	4
57-97-6	7,12-Dimethylbenz(A)Anthracen	U	4	1.0	10	10	4
207-08-9	Benzo(k)fluoranthene	U	5	1.0	10	10	5
70-30-4	Hexachlorophene	U	5	1.0	10	10	5
50-32-8	Benzo(a)pyrene	U	3	1.0	10	10	3
56-49-5	3-Methylcholanthrene	U	7	1.0	10	10	7
193-39-5	Indeno(1,2,3-cd)pyrene	U	8	1.0	10	10	8
53-70-3	Dibenzo(a,h)anthracene	U	8	1.0	10	10	8
191-24-2	Benzo(g,h,i)perylene	U	8	1.0	10	10	8
367-12-4	2-Fluorophenol		42%				
13127-88-3	Phenol-D6		28%				
4165-60-0	Nitrobenzene-D5		73%				
321-60-8	2-Fluorobiphenyl		80%				
118-79-6	2,4,6-Tribromophenol		73%				
1718-51-0	Terphenyl-D14		97%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 0029 NAS Pensacola
PO No:
Sample Date: 06/13/07
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Extraction Date: 06/20/07
Analysis Date: 25-JUN-2007 17:40
Report Date: 06/28/2007
Matrix: WATER
% Solids: NA

Lab ID: SA3013-17
Client ID: OLFS4-MW44-0607
SDG: CTO29-1
Extracted by: KM
Extraction Method: SW846 3510
Analyst: JCG
Analysis Method: SW846 8270C
Lab Prep Batch: WG40249
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
62-75-9	N-Nitrosodimethylamine	U	5	1.0	10	10	5
110-86-1	Pyridine	U	2	1.0	50	50	2
109-06-8	2-Picoline	U	3	1.0	10	10	3
10595-95-6	N-Nitrosomethylethylamine	U	5	1.0	10	10	5
66-27-3	Methyl Methanesulfonate	U	7	1.0	10	10	7
55-18-5	N-Nitrosodiethylamine	U	4	1.0	10	10	4
62-50-0	Ethyl Methanesulfonate	U	7	1.0	10	10	7
100-52-7	Benzaldehyde	U	5	1.0	10	10	5
62-53-3	Aniline	U	6	1.0	25	25	6
108-95-2	Phenol	U	9	1.0	10	10	9
111-44-4	Bis(2-Chloroethyl)ether	U	4	1.0	10	10	4
95-57-8	2-Chlorophenol	U	8	1.0	10	10	8
100-51-6	Benzyl alcohol	U	9	1.0	20	20	9
95-48-7	2-Methylphenol	U	8	1.0	10	10	8
108-60-1	Bis(2-Chloroisopropyl)ether	U	4	1.0	10	10	4
930-55-2	N-Nitrosopyrrolidine	U	6	1.0	10	10	6
98-86-2	Acetophenone	U	5	1.0	10	10	5
621-64-7	N-Nitroso-di-n-propylamine	U	4	1.0	10	10	4
95-53-4	o-Toluidine	U	10	1.0	25	25	10
106-44-5	3&4-Methylphenol	U	9	1.0	10	10	9
59-89-2	N-Nitrosomorpholine	U	4	1.0	10	10	4
67-72-1	Hexachloroethane	U	3	1.0	10	10	3
98-95-3	Nitrobenzene	U	2	1.0	10	10	2
100-75-4	N-Nitrosopiperidine	U	3	1.0	10	10	3
78-59-1	Isophorone	U	3	1.0	10	10	3
88-75-5	2-Nitrophenol	U	7	1.0	10	10	7
105-67-9	2,4-Dimethylphenol	U	7	1.0	10	10	7
126-68-1	O,O,O-Triethylphosphorothioat	U	3	1.0	10	10	3
111-91-1	Bis(2-Chloroethoxy)methane	U	4	1.0	10	10	4
120-83-2	2,4-Dichlorophenol	U	7	1.0	10	10	7
120-82-1	1,2,4-Trichlorobenzene	U	2	1.0	10	10	2
91-20-3	Naphthalene	U	3	1.0	10	10	3
122-09-8	A,A-Dimethylphenethylamine	U	16	1.0	25	25	16
87-65-0	2,6-Dichlorophenol	U	8	1.0	10	10	8
106-47-8	4-Chloroaniline	U	5	1.0	10	10	5
1888-71-7	Hexachloropropene	U	3	1.0	10	10	3
87-68-3	Hexachlorobutadiene	U	2	1.0	10	10	2
924-16-3	N-Nitroso-Di-N-Butylamine	U	8	1.0	10	10	8
106-50-3	p-Phenylenediamine	U	5	1.0	10	10	5
105-60-2	Caprolactam	U	9	1.0	10	10	9
59-50-7	4-Chloro-3-Methylphenol	U	10	1.0	10	10	10
94-59-7	Safrole	U	3	1.0	10	10	3
120-58-1	Isosafrole	U	5	1.0	10	10	5

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 0029 NAS Pensacola
PO No:
Sample Date: 06/13/07
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Extraction Date: 06/20/07
Analysis Date: 25-JUN-2007 17:40
Report Date: 06/28/2007
Matrix: WATER
% Solids: NA

Lab ID: SA3013-17
Client ID: OLFS4-MW44-0607
SDG: CTO29-1
Extracted by: KM
Extraction Method: SW846 3510
Analyst: JCG
Analysis Method: SW846 8270C
Lab Prep Batch: WG40249
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
91-57-6	2-Methylnaphthalene	U	4	1.0	10	10	4
77-47-4	Hexachlorocyclopentadiene	U	3	1.0	10	10	3
95-94-3	1,2,4,5-Tetrachlorobenzene	U	4	1.0	10	10	4
88-06-2	2,4,6-Trichlorophenol	U	7	1.0	10	10	7
95-95-4	2,4,5-Trichlorophenol	U	7	1.0	25	25	7
91-58-7	2-Chloronaphthalene	U	3	1.0	10	10	3
92-52-4	1,1'-Biphenyl	U	3	1.0	10	10	3
88-74-4	2-Nitroaniline	U	3	1.0	25	25	3
130-15-4	1,4-Naphthoquinone	U	4	1.0	10	10	4
131-11-3	Dimethyl Phthalate	U	4	1.0	10	10	4
99-65-0	1,3-Dinitrobenzene	U	5	1.0	10	10	5
606-20-2	2,6-Dinitrotoluene	U	4	1.0	10	10	4
208-96-8	Acenaphthylene	U	3	1.0	10	10	3
99-09-2	3-Nitroaniline	U	4	1.0	25	25	4
83-32-9	Acenaphthene	U	3	1.0	10	10	3
51-28-5	2,4-Dinitrophenol	U	23	1.0	25	25	23
608-93-5	Pentachlorobenzene	U	3	1.0	10	10	3
132-64-9	Dibenzofuran	U	3	1.0	10	10	3
100-02-7	4-Nitrophenol	U	16	1.0	25	25	16
121-14-2	2,4-Dinitrotoluene	U	4	1.0	10	10	4
134-32-7	1-Naphthylamine	U	3	1.0	10	10	3
58-90-2	2,3,4,6-Tetrachlorophenol	U	6	1.0	10	10	6
91-59-8	2-Naphthylamine	U	4	1.0	10	10	4
84-66-2	Diethylphthalate	U	3	1.0	10	10	3
86-73-7	Fluorene	U	3	1.0	10	10	3
7005-72-3	4-Chlorophenyl-phenylether	U	4	1.0	10	10	4
99-55-8	5-Nitro-O-Toluidine	U	5	1.0	10	10	5
100-01-6	4-Nitroaniline	U	5	1.0	25	25	5
534-52-1	4,6-Dinitro-2-Methylphenol	U	11	1.0	25	25	11
86-30-6	N-Nitrosodiphenylamine/DPA	U	5	1.0	10	10	5
2303-16-4	Diallate	U	4	1.0	10	10	4
99-35-4	1,3,5-Trinitrobenzene	U	6	1.0	10	10	6
101-55-3	4-Bromophenyl-phenylether	U	3	1.0	10	10	3
62-44-2	Phenacetin	U	6	1.0	10	10	6
118-74-1	Hexachlorobenzene	U	3	1.0	10	10	3
60-51-5	Dimethoate	U	8	1.0	10	10	8
1912-24-9	Atrazine	U	5	1.0	10	10	5
87-86-5	Pentachlorophenol	U	17	1.0	25	25	17
82-68-8	Pentachloronitrobenzene	U	4	1.0	10	10	4
92-67-1	4-Aminobiphenyl	U	4	1.0	10	10	4
23950-58-5	Pronamide	U	5	1.0	10	10	5
85-01-8	Phenanthrene	U	3	1.0	10	10	3
120-12-7	Anthracene	U	3	1.0	10	10	3

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 0029 NAS Pensacola
PO No:
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Report Date: 06/28/2007
Matrix: WATER
% Solids: NA

Lab ID: SA3013-17
Client ID: OLFS4-MW44-0607
SDG: CTO29-1
Extracted by: KM
Extraction Method: SW846 3510
Analyst: JCG
Analysis Method: SW846 8270C
Lab Prep Batch: WG40249
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
86-74-8	Carbazole	U	4	1.0	10	10	4
84-74-2	Di-n-butylphthalate	U	7	1.0	10	10	7
56-57-5	4-Nitroquinoline-1-Oxide	U	10	1.0	25	25	10
91-80-5	Methapyrilene	U	9	1.0	10	10	9
465-73-6	Isodrin	U	4	1.0	10	10	4
206-44-0	Fluoranthene	U	8	1.0	10	10	8
129-00-0	Pyrene	U	7	1.0	10	10	7
140-57-8	Aramite	U	8	1.0	20	20	8
60-11-7	p-Dimethylaminoazobenzene	U	6	1.0	10	10	6
510-15-6	Chlorobenzilate	U	8	1.0	10	10	8
119-93-7	3,3'-Dimethylbenzidine	U	6	1.0	10	10	6
85-68-7	Butylbenzylphthalate	U	6	1.0	10	10	6
53-96-3	2-Acetylaminofluorene	U	5	1.0	10	10	5
56-55-3	Benzo(a)anthracene	U	3	1.0	10	10	3
91-94-1	3,3'-Dichlorobenzidine	U	4	1.0	10	10	4
218-01-9	Chrysene	U	3	1.0	10	10	3
117-81-7	bis(2-Ethylhexyl)phthalate	U	8	1.0	10	10	8
117-84-0	Di-n-octylphthalate	U	5	1.0	10	10	5
205-99-2	Benzo(b)fluoranthene	U	4	1.0	10	10	4
57-97-6	7,12-Dimethylbenz(A)Anthracen	U	4	1.0	10	10	4
207-08-9	Benzo(k)fluoranthene	U	5	1.0	10	10	5
70-30-4	Hexachlorophene	U	5	1.0	10	10	5
50-32-8	Benzo(a)pyrene	U	3	1.0	10	10	3
56-49-5	3-Methylcholanthrene	U	6	1.0	10	10	6
193-39-5	Indeno(1,2,3-cd)pyrene	U	7	1.0	10	10	7
53-70-3	Dibenzo(a,h)anthracene	U	7	1.0	10	10	7
191-24-2	Benzo(g,h,i)perylene	U	8	1.0	10	10	8
367-12-4	2-Fluorophenol		42%				
13127-88-3	Phenol-D6		23%				
4165-60-0	Nitrobenzene-D5		68%				
321-60-8	2-Fluorobiphenyl		82%				
118-79-6	2,4,6-Tribromophenol		70%				
1718-51-0	Terphenyl-D14		102%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 0029 NAS Pensacola
PO No:
Sample Date: 06/14/07
Received Date: 06/15/07
Extraction Date: 06/20/07
Analysis Date: 25-JUN-2007 18:29
Report Date: 06/28/2007
Matrix: WATER
% Solids: NA

Lab ID: SA3013-19
Client ID: OLFS4-MW42-0607
SDG: CTO29-1
Extracted by: KM
Extraction Method: SW846 3510
Analyst: JCG
Analysis Method: SW846 8270C
Lab Prep Batch: WG40249
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
62-75-9	N-Nitrosodimethylamine	U	5	1.0	10	10	5
110-86-1	Pyridine	U	2	1.0	50	52	2
109-06-8	2-Picoline	U	3	1.0	10	10	3
10595-95-6	N-Nitrosomethylethylamine	U	6	1.0	10	10	6
66-27-3	Methyl Methanesulfonate	U	7	1.0	10	10	7
55-18-5	N-Nitrosodiethylamine	U	4	1.0	10	10	4
62-50-0	Ethyl Methanesulfonate	U	7	1.0	10	10	7
100-52-7	Benzaldehyde	U	5	1.0	10	10	5
62-53-3	Aniline	U	6	1.0	25	26	6
108-95-2	Phenol	U	9	1.0	10	10	9
111-44-4	Bis(2-Chloroethyl)ether	U	4	1.0	10	10	4
95-57-8	2-Chlorophenol	U	9	1.0	10	10	9
100-51-6	Benzyl alcohol	U	9	1.0	20	21	9
95-48-7	2-Methylphenol	U	8	1.0	10	10	8
108-60-1	Bis(2-Chloroisopropyl)ether	U	4	1.0	10	10	4
930-55-2	N-Nitrosopyrrolidine	U	6	1.0	10	10	6
98-86-2	Acetophenone	U	6	1.0	10	10	6
621-64-7	N-Nitroso-di-n-propylamine	U	4	1.0	10	10	4
95-53-4	o-Toluidine	U	10	1.0	25	26	10
106-44-5	3&4-Methylphenol	U	9	1.0	10	10	9
59-89-2	N-Nitrosomorpholine	U	4	1.0	10	10	4
67-72-1	Hexachloroethane	U	3	1.0	10	10	3
98-95-3	Nitrobenzene	U	2	1.0	10	10	2
100-75-4	N-Nitrosopiperidine	U	3	1.0	10	10	3
78-59-1	Isophorone	U	3	1.0	10	10	3
88-75-5	2-Nitrophenol	U	7	1.0	10	10	7
105-67-9	2,4-Dimethylphenol	U	7	1.0	10	10	7
126-68-1	O,O,O-Triethylphosphorothioat	U	3	1.0	10	10	3
111-91-1	Bis(2-Chloroethoxy)methane	U	4	1.0	10	10	4
120-83-2	2,4-Dichlorophenol	U	7	1.0	10	10	7
120-82-1	1,2,4-Trichlorobenzene	U	3	1.0	10	10	3
91-20-3	Naphthalene	U	3	1.0	10	10	3
122-09-8	A,A-Dimethylphenethylamine	U	16	1.0	25	26	16
87-65-0	2,6-Dichlorophenol	U	8	1.0	10	10	8
106-47-8	4-Chloroaniline	U	5	1.0	10	10	5
1888-71-7	Hexachloropropene	U	3	1.0	10	10	3
87-68-3	Hexachlorobutadiene	U	3	1.0	10	10	3
924-16-3	N-Nitroso-Di-N-Butylamine	U	8	1.0	10	10	8
106-50-3	p-Phenylenediamine	U	5	1.0	10	10	5
105-60-2	Caprolactam	U	9	1.0	10	10	9
59-50-7	4-Chloro-3-Methylphenol	U	10	1.0	10	10	10
94-59-7	Safrole	U	4	1.0	10	10	4
120-58-1	Isosafrole	U	5	1.0	10	10	5

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 0029 NAS Pensacola
PO No:
Sample Date: 06/14/07
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Extraction Date: 06/20/07
Analysis Date: 25-JUN-2007 18:29
Report Date: 06/28/2007
Matrix: WATER
% Solids: NA

Lab ID: SA3013-19
Client ID: OLFS4-MW42-0607
SDG: CTO29-1
Extracted by: KM
Extraction Method: SW846 3510
Analyst: JCG
Analysis Method: SW846 8270C
Lab Prep Batch: WG40249
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
91-57-6	2-Methylnaphthalene	U	4	1.0	10	10	4
77-47-4	Hexachlorocyclopentadiene	U	3	1.0	10	10	3
95-94-3	1,2,4,5-Tetrachlorobenzene	U	4	1.0	10	10	4
88-06-2	2,4,6-Trichlorophenol	U	7	1.0	10	10	7
95-95-4	2,4,5-Trichlorophenol	U	7	1.0	25	26	7
91-58-7	2-Chloronaphthalene	U	3	1.0	10	10	3
92-52-4	1,1'-Biphenyl	U	3	1.0	10	10	3
88-74-4	2-Nitroaniline	U	4	1.0	25	26	4
130-15-4	1,4-Naphthoquinone	U	4	1.0	10	10	4
131-11-3	Dimethyl Phthalate	U	4	1.0	10	10	4
99-65-0	1,3-Dinitrobenzene	U	5	1.0	10	10	5
606-20-2	2,6-Dinitrotoluene	U	4	1.0	10	10	4
208-96-8	Acenaphthylene	U	3	1.0	10	10	3
99-09-2	3-Nitroaniline	U	4	1.0	25	26	4
83-32-9	Acenaphthene	U	3	1.0	10	10	3
51-28-5	2,4-Dinitrophenol	U	24	1.0	25	26	24
608-93-5	Pentachlorobenzene	U	3	1.0	10	10	3
132-64-9	Dibenzofuran	U	4	1.0	10	10	4
100-02-7	4-Nitrophenol	U	16	1.0	25	26	16
121-14-2	2,4-Dinitrotoluene	U	4	1.0	10	10	4
134-32-7	1-Naphthylamine	U	3	1.0	10	10	3
58-90-2	2,3,4,6-Tetrachlorophenol	U	7	1.0	10	10	7
91-59-8	2-Naphthylamine	U	4	1.0	10	10	4
84-66-2	Diethylphthalate	U	4	1.0	10	10	4
86-73-7	Fluorene	U	3	1.0	10	10	3
7005-72-3	4-Chlorophenyl-phenylether	U	4	1.0	10	10	4
99-55-8	5-Nitro-O-Toluidine	U	5	1.0	10	10	5
100-01-6	4-Nitroaniline	U	5	1.0	25	26	5
534-52-1	4,6-Dinitro-2-Methylphenol	U	12	1.0	25	26	12
86-30-6	N-Nitrosodiphenylamine/DPA	U	5	1.0	10	10	5
2303-16-4	Diallate	U	5	1.0	10	10	5
99-35-4	1,3,5-Trinitrobenzene	U	6	1.0	10	10	6
101-55-3	4-Bromophenyl-phenylether	U	3	1.0	10	10	3
62-44-2	Phenacetin	U	6	1.0	10	10	6
118-74-1	Hexachlorobenzene	U	3	1.0	10	10	3
60-51-5	Dimethoate	U	8	1.0	10	10	8
1912-24-9	Atrazine	U	5	1.0	10	10	5
87-86-5	Pentachlorophenol	U	18	1.0	25	26	18
82-68-8	Pentachloronitrobenzene	U	4	1.0	10	10	4
92-67-1	4-Aminobiphenyl	U	4	1.0	10	10	4
23950-58-5	Pronamide	U	5	1.0	10	10	5
85-01-8	Phenanthrene	U	3	1.0	10	10	3
120-12-7	Anthracene	U	4	1.0	10	10	4

KATAHDIN ANALYTICAL SERVICES
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Project: CTO 0029 NAS Pensacola
PO No:
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Extraction Date: 06/20/07
Analysis Date: 25-JUN-2007 18:29
Report Date: 06/28/2007
Matrix: WATER
% Solids: NA

Lab ID: SA3013-19
Client ID: OLFS4-MW42-0607
SDG: CTO29-1
Extracted by: KM
Extraction Method: SW846 3510
Analyst: JCG
Analysis Method: SW846 8270C
Lab Prep Batch: WG40249
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
86-74-8	Carbazole	U	4	1.0	10	10	4
84-74-2	Di-n-butylphthalate	U	7	1.0	10	10	7
56-57-5	4-Nitroquinoline-1-Oxide	U	10	1.0	25	26	10
91-80-5	Methapyrilene	U	9	1.0	10	10	9
465-73-6	Isodrin	U	5	1.0	10	10	5
206-44-0	Fluoranthene	U	8	1.0	10	10	8
129-00-0	Pyrene	U	7	1.0	10	10	7
140-57-8	Aramite	U	8	1.0	20	21	8
60-11-7	p-Dimethylaminoazobenzene	U	6	1.0	10	10	6
510-15-6	Chlorobenzilate	U	8	1.0	10	10	8
119-93-7	3,3'-Dimethylbenzidine	U	6	1.0	10	10	6
85-68-7	Butylbenzylphthalate	U	6	1.0	10	10	6
53-96-3	2-Acetylaminofluorene	U	5	1.0	10	10	5
56-55-3	Benzo(a)anthracene	U	3	1.0	10	10	3
91-94-1	3,3'-Dichlorobenzidine	U	4	1.0	10	10	4
218-01-9	Chrysene	U	3	1.0	10	10	3
117-81-7	bis(2-Ethylhexyl)phthalate	U	8	1.0	10	10	8
117-84-0	Di-n-octylphthalate	U	5	1.0	10	10	5
205-99-2	Benzo(b)fluoranthene	U	4	1.0	10	10	4
57-97-6	7,12-Dimethylbenz(A)Anthracen	U	4	1.0	10	10	4
207-08-9	Benzo(k)fluoranthene	U	5	1.0	10	10	5
70-30-4	Hexachlorophene	U	5	1.0	10	10	5
50-32-8	Benzo(a)pyrene	U	3	1.0	10	10	3
56-49-5	3-Methylcholanthrene	U	7	1.0	10	10	7
193-39-5	Indeno(1,2,3-cd)pyrene	U	8	1.0	10	10	8
53-70-3	Dibenzo(a,h)anthracene	U	8	1.0	10	10	8
191-24-2	Benzo(g,h,i)perylene	U	8	1.0	10	10	8
367-12-4	2-Fluorophenol		41%				
13127-88-3	Phenol-D6		18%				
4165-60-0	Nitrobenzene-D5		64%				
321-60-8	2-Fluorobiphenyl		78%				
118-79-6	2,4,6-Tribromophenol		68%				
1718-51-0	Terphenyl-D14		108%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 0029 NAS Pensacola
PO No:
Sample Date: 06/14/07
Received Date: 06/15/07
Extraction Date: 06/20/07
Analysis Date: 25-JUN-2007 19:20
Report Date: 06/28/2007
Matrix: WATER
% Solids: NA

Lab ID: SA3013-21
Client ID: OLFS4-MW43-0607
SDG: CTO29-1
Extracted by: KM
Extraction Method: SW846 3510
Analyst: JCG
Analysis Method: SW846 8270C
Lab Prep Batch: WG40249
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
62-75-9	N-Nitrosodimethylamine	U	5	1.0	10	10	5
110-86-1	Pyridine	U	2	1.0	50	50	2
109-06-8	2-Picoline	U	3	1.0	10	10	3
10595-95-6	N-Nitrosomethylethylamine	U	6	1.0	10	10	6
66-27-3	Methyl Methanesulfonate	U	7	1.0	10	10	7
55-18-5	N-Nitrosodiethylamine	U	4	1.0	10	10	4
62-50-0	Ethyl Methanesulfonate	U	7	1.0	10	10	7
100-52-7	Benzaldehyde	U	5	1.0	10	10	5
62-53-3	Aniline	U	6	1.0	25	25	6
108-95-2	Phenol	U	9	1.0	10	10	9
111-44-4	Bis(2-Chloroethyl)ether	U	4	1.0	10	10	4
95-57-8	2-Chlorophenol	U	9	1.0	10	10	9
100-51-6	Benzyl alcohol	U	9	1.0	20	20	9
95-48-7	2-Methylphenol	U	8	1.0	10	10	8
108-60-1	Bis(2-Chloroisopropyl)ether	U	4	1.0	10	10	4
930-55-2	N-Nitrosopyrrolidine	U	6	1.0	10	10	6
98-86-2	Acetophenone	U	5	1.0	10	10	5
621-64-7	N-Nitroso-di-n-propylamine	U	4	1.0	10	10	4
95-53-4	o-Toluidine	U	10	1.0	25	25	10
106-44-5	3&4-Methylphenol	U	9	1.0	10	10	9
59-89-2	N-Nitrosomorpholine	U	4	1.0	10	10	4
67-72-1	Hexachloroethane	U	3	1.0	10	10	3
98-95-3	Nitrobenzene	U	2	1.0	10	10	2
100-75-4	N-Nitrosopiperidine	U	3	1.0	10	10	3
78-59-1	Isophorone	U	3	1.0	10	10	3
88-75-5	2-Nitrophenol	U	7	1.0	10	10	7
105-67-9	2,4-Dimethylphenol	U	7	1.0	10	10	7
126-68-1	O,O,O-Triethylphosphorothioat	U	3	1.0	10	10	3
111-91-1	Bis(2-Chloroethoxy)methane	U	4	1.0	10	10	4
120-83-2	2,4-Dichlorophenol	U	7	1.0	10	10	7
120-82-1	1,2,4-Trichlorobenzene	U	2	1.0	10	10	2
91-20-3	Naphthalene	U	3	1.0	10	10	3
122-09-8	A,A-Dimethylphenethylamine	U	16	1.0	25	25	16
87-65-0	2,6-Dichlorophenol	U	8	1.0	10	10	8
106-47-8	4-Chloroaniline	U	5	1.0	10	10	5
1888-71-7	Hexachloropropene	U	3	1.0	10	10	3
87-68-3	Hexachlorobutadiene	U	2	1.0	10	10	2
924-16-3	N-Nitroso-Di-N-Butylamine	U	8	1.0	10	10	8
106-50-3	p-Phenylenediamine	U	5	1.0	10	10	5
105-60-2	Caprolactam	U	9	1.0	10	10	9
59-50-7	4-Chloro-3-Methylphenol	U	10	1.0	10	10	10
94-59-7	Safrole	U	3	1.0	10	10	3
120-58-1	Isosafrole	U	5	1.0	10	10	5

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 0029 NAS Pensacola
PO No:
Sample Date: 06/14/07
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Extraction Date: 06/20/07
Analysis Date: 25-JUN-2007 19:20
Report Date: 06/28/2007
Matrix: WATER
% Solids: NA

Lab ID: SA3013-21
Client ID: OLFS4-MW43-0607
SDG: CTO29-1
Extracted by: KM
Extraction Method: SW846 3510
Analyst: JCG
Analysis Method: SW846 8270C
Lab Prep Batch: WG40249
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
91-57-6	2-Methylnaphthalene	U	4	1.0	10	10	4
77-47-4	Hexachlorocyclopentadiene	U	3	1.0	10	10	3
95-94-3	1,2,4,5-Tetrachlorobenzene	U	4	1.0	10	10	4
88-06-2	2,4,6-Trichlorophenol	U	7	1.0	10	10	7
95-95-4	2,4,5-Trichlorophenol	U	7	1.0	25	25	7
91-58-7	2-Chloronaphthalene	U	3	1.0	10	10	3
92-52-4	1,1'-Biphenyl	U	3	1.0	10	10	3
88-74-4	2-Nitroaniline	U	3	1.0	25	25	3
130-15-4	1,4-Naphthoquinone	U	4	1.0	10	10	4
131-11-3	Dimethyl Phthalate	U	4	1.0	10	10	4
99-65-0	1,3-Dinitrobenzene	U	5	1.0	10	10	5
606-20-2	2,6-Dinitrotoluene	U	4	1.0	10	10	4
208-96-8	Acenaphthylene	U	3	1.0	10	10	3
99-09-2	3-Nitroaniline	U	4	1.0	25	25	4
83-32-9	Acenaphthene	U	3	1.0	10	10	3
51-28-5	2,4-Dinitrophenol	U	23	1.0	25	25	23
608-93-5	Pentachlorobenzene	U	3	1.0	10	10	3
132-64-9	Dibenzofuran	U	3	1.0	10	10	3
100-02-7	4-Nitrophenol	U	16	1.0	25	25	16
121-14-2	2,4-Dinitrotoluene	U	4	1.0	10	10	4
134-32-7	1-Naphthylamine	U	3	1.0	10	10	3
58-90-2	2,3,4,6-Tetrachlorophenol	U	6	1.0	10	10	6
91-59-8	2-Naphthylamine	U	4	1.0	10	10	4
84-66-2	Diethylphthalate	U	4	1.0	10	10	4
86-73-7	Fluorene	U	3	1.0	10	10	3
7005-72-3	4-Chlorophenyl-phenylether	U	4	1.0	10	10	4
99-55-8	5-Nitro-O-Toluidine	U	5	1.0	10	10	5
100-01-6	4-Nitroaniline	U	5	1.0	25	25	5
534-52-1	4,6-Dinitro-2-Methylphenol	U	11	1.0	25	25	11
86-30-6	N-Nitrosodiphenylamine/DPA	U	5	1.0	10	10	5
2303-16-4	Diallate	U	5	1.0	10	10	5
99-35-4	1,3,5-Trinitrobenzene	U	6	1.0	10	10	6
101-55-3	4-Bromophenyl-phenylether	U	3	1.0	10	10	3
62-44-2	Phenacetin	U	6	1.0	10	10	6
118-74-1	Hexachlorobenzene	U	3	1.0	10	10	3
60-51-5	Dimethoate	U	8	1.0	10	10	8
1912-24-9	Atrazine	U	5	1.0	10	10	5
87-86-5	Pentachlorophenol	U	17	1.0	25	25	17
82-68-8	Pentachloronitrobenzene	U	4	1.0	10	10	4
92-67-1	4-Aminobiphenyl	U	4	1.0	10	10	4
23950-58-5	Pronamide	U	5	1.0	10	10	5
85-01-8	Phenanthrene	U	3	1.0	10	10	3
120-12-7	Anthracene	U	3	1.0	10	10	3

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 0029 NAS Pensacola
PO No:
Sample Date: 06/14/07
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Analysis Date: 25-JUN-2007 19:20
Report Date: 06/28/2007
Matrix: WATER
% Solids: NA

Lab ID: SA3013-21
Client ID: OLFS4-MW43-0607
SDG: CTO29-1
Extracted by: KM
Extraction Method: SW846 3510
Analyst: JCG
Analysis Method: SW846 8270C
Lab Prep Batch: WG40249
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
86-74-8	Carbazole	U	4	1.0	10	10	4
84-74-2	Di-n-butylphthalate	U	7	1.0	10	10	7
56-57-5	4-Nitroquinoline-1-Oxide	U	10	1.0	25	25	10
91-80-5	Methapyrilene	U	9	1.0	10	10	9
465-73-6	Isodrin	U	4	1.0	10	10	4
206-44-0	Fluoranthene	U	8	1.0	10	10	8
129-00-0	Pyrene	U	7	1.0	10	10	7
140-57-8	Aramite	U	8	1.0	20	20	8
60-11-7	p-Dimethylaminoazobenzene	U	6	1.0	10	10	6
510-15-6	Chlorobenzilate	U	8	1.0	10	10	8
119-93-7	3,3'-Dimethylbenzidine	U	6	1.0	10	10	6
85-68-7	Butylbenzylphthalate	U	6	1.0	10	10	6
53-96-3	2-Acetylaminofluorene	U	5	1.0	10	10	5
56-55-3	Benzo(a)anthracene	U	3	1.0	10	10	3
91-94-1	3,3'-Dichlorobenzidine	U	4	1.0	10	10	4
218-01-9	Chrysene	U	3	1.0	10	10	3
117-81-7	bis(2-Ethylhexyl)phthalate	U	8	1.0	10	10	8
117-84-0	Di-n-octylphthalate	U	5	1.0	10	10	5
205-99-2	Benzo(b)fluoranthene	U	4	1.0	10	10	4
57-97-6	7,12-Dimethylbenz(A)Anthracen	U	4	1.0	10	10	4
207-08-9	Benzo(k)fluoranthene	U	5	1.0	10	10	5
70-30-4	Hexachlorophene	U	5	1.0	10	10	5
50-32-8	Benzo(a)pyrene	U	3	1.0	10	10	3
56-49-5	3-Methylcholanthrene	U	7	1.0	10	10	7
193-39-5	Indeno(1,2,3-cd)pyrene	U	7	1.0	10	10	7
53-70-3	Dibenzo(a,h)anthracene	U	8	1.0	10	10	8
191-24-2	Benzo(g,h,i)perylene	U	8	1.0	10	10	8
367-12-4	2-Fluorophenol		38%				
13127-88-3	Phenol-D6		19%				
4165-60-0	Nitrobenzene-D5		62%				
321-60-8	2-Fluorobiphenyl		76%				
118-79-6	2,4,6-Tribromophenol		62%				
1718-51-0	Terphenyl-D14		97%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 0029 NAS Pensacola
PO No:
Sample Date: 06/12/07
Received Date: 06/15/07
Extraction Date: 06/18/07
Analysis Date: 28-JUN-2007 18:35
Report Date: 06/29/2007
Matrix: WATER
% Solids: NA

Lab ID: SA3013-1
Client ID: OLFS4-MW40-0607
SDG: CTO29-1
Extracted by: GN
Extraction Method: SW846 3510
Analyst: JLP
Analysis Method: SW846 8082
Lab Prep Batch: WG40180
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
12674-11-2	Aroclor-1016	U	0.40	1.0	0.50	0.50	0.40
11104-28-2	Aroclor-1221	U	0.17	1.0	0.50	0.50	0.17
11141-16-5	Aroclor-1232	U	0.28	1.0	0.50	0.50	0.28
53469-21-9	Aroclor-1242	U	0.21	1.0	0.50	0.50	0.21
12672-29-6	Aroclor-1248	U	0.19	1.0	0.50	0.50	0.19
11097-69-1	Aroclor-1254	U	0.25	1.0	0.50	0.50	0.25
11096-82-5	Aroclor-1260	U	0.27	1.0	0.50	0.50	0.27
877-09-8	Tetrachloro-m-xylene		82%				
2051-24-3	Decachlorobiphenyl		48%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 0029 NAS Pensacola
PO No:
Sample Date: 06/12/07
Received Date: 06/15/07
Extraction Date: 06/18/07
Analysis Date: 28-JUN-2007 22:33
Report Date: 06/29/2007
Matrix: WATER
% Solids: NA

Lab ID: SA3013-3
Client ID: OLFS4-MW37-0607
SDG: CTO29-1
Extracted by: GN
Extraction Method: SW846 3510
Analyst: JLP
Analysis Method: SW846 8082
Lab Prep Batch: WG40180
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
12674-11-2	Aroclor-1016	U	0.38	1.0	0.50	0.50	0.38
11104-28-2	Aroclor-1221	U	0.16	1.0	0.50	0.50	0.16
11141-16-5	Aroclor-1232	U	0.27	1.0	0.50	0.50	0.27
53469-21-9	Aroclor-1242	U	0.20	1.0	0.50	0.50	0.20
12672-29-6	Aroclor-1248	U	0.18	1.0	0.50	0.50	0.18
11097-69-1	Aroclor-1254	U	0.24	1.0	0.50	0.50	0.24
11096-82-5	Aroclor-1260	U	0.26	1.0	0.50	0.50	0.26
877-09-8	Tetrachloro-m-xylene		79%				
2051-24-3	Decachlorobiphenyl		77%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 0029 NAS Pensacola
PO No:
Sample Date: 06/12/07
Received Date: 06/15/07
Extraction Date: 06/18/07
Analysis Date: 28-JUN-2007 23:03
Report Date: 06/29/2007
Matrix: WATER
% Solids: NA

Lab ID: SA3013-5
Client ID: OLFS4-MW37-0607-D
SDG: CTO29-1
Extracted by: GN
Extraction Method: SW846 3510
Analyst: JLP
Analysis Method: SW846 8082
Lab Prep Batch: WG40180
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
12674-11-2	Aroclor-1016	U	0.38	1.0	0.50	0.50	0.38
11104-28-2	Aroclor-1221	U	0.16	1.0	0.50	0.50	0.16
11141-16-5	Aroclor-1232	U	0.27	1.0	0.50	0.50	0.27
53469-21-9	Aroclor-1242	U	0.20	1.0	0.50	0.50	0.20
12672-29-6	Aroclor-1248	U	0.18	1.0	0.50	0.50	0.18
11097-69-1	Aroclor-1254	U	0.24	1.0	0.50	0.50	0.24
11096-82-5	Aroclor-1260	U	0.26	1.0	0.50	0.50	0.26
877-09-8	Tetrachloro-m-xylene		86%				
2051-24-3	Decachlorobiphenyl		85%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 0029 NAS Pensacola
PO No:
Sample Date: 06/12/07
Received Date: 06/15/07
Extraction Date: 06/18/07
Analysis Date: 28-JUN-2007 23:32
Report Date: 06/29/2007
Matrix: WATER
% Solids: NA

Lab ID: SA3013-7
Client ID: OLFS4-MW39-0607
SDG: CTO29-1
Extracted by: GN
Extraction Method: SW846 3510
Analyst: JLP
Analysis Method: SW846 8082
Lab Prep Batch: WG40180
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
12674-11-2	Aroclor-1016	U	0.42	1.0	0.50	0.52	0.42
11104-28-2	Aroclor-1221	U	0.18	1.0	0.50	0.52	0.18
11141-16-5	Aroclor-1232	U	0.29	1.0	0.50	0.52	0.29
53469-21-9	Aroclor-1242	U	0.22	1.0	0.50	0.52	0.22
12672-29-6	Aroclor-1248	U	0.20	1.0	0.50	0.52	0.20
11097-69-1	Aroclor-1254	U	0.26	1.0	0.50	0.52	0.26
11096-82-5	Aroclor-1260	U	0.28	1.0	0.50	0.52	0.28
877-09-8	Tetrachloro-m-xylene		84%				
2051-24-3	Decachlorobiphenyl		76%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 0029 NAS Pensacola
PO No:
Sample Date: 06/13/07
Received Date: 06/15/07
Extraction Date: 06/18/07
Analysis Date: 29-JUN-2007 00:02
Report Date: 06/29/2007
Matrix: WATER
% Solids: NA

Lab ID: SA3013-9
Client ID: OLFS4-MW38-0607
SDG: CTO29-1
Extracted by: GN
Extraction Method: SW846 3510
Analyst: JLP
Analysis Method: SW846 8082
Lab Prep Batch: WG40180
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
12674-11-2	Aroclor-1016	U	0.41	1.0	0.50	0.51	0.41
11104-28-2	Aroclor-1221	U	0.17	1.0	0.50	0.51	0.17
11141-16-5	Aroclor-1232	U	0.28	1.0	0.50	0.51	0.28
53469-21-9	Aroclor-1242	U	0.21	1.0	0.50	0.51	0.21
12672-29-6	Aroclor-1248	U	0.19	1.0	0.50	0.51	0.19
11097-69-1	Aroclor-1254	U	0.26	1.0	0.50	0.51	0.26
11096-82-5	Aroclor-1260	U	0.28	1.0	0.50	0.51	0.28
877-09-8	Tetrachloro-m-xylene		76%				
2051-24-3	Decachlorobiphenyl		72%				

Sample Data Summary A0000151

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 0029 NAS Pensacola
PO No:
Sample Date: 06/13/07
Received Date: 06/15/07
Extraction Date: 06/18/07
Analysis Date: 29-JUN-2007 00:32
Report Date: 06/29/2007
Matrix: WATER
% Solids: NA

Lab ID: SA3013-11
Client ID: OLFS4-MW41-0607
SDG: CTO29-1
Extracted by: GN
Extraction Method: SW846 3510
Analyst: JLP
Analysis Method: SW846 8082
Lab Prep Batch: WG40180
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
12674-11-2	Aroclor-1016	U	0.41	1.0	0.50	0.52	0.41
11104-28-2	Aroclor-1221	U	0.18	1.0	0.50	0.52	0.18
11141-16-5	Aroclor-1232	U	0.29	1.0	0.50	0.52	0.29
53469-21-9	Aroclor-1242	U	0.22	1.0	0.50	0.52	0.22
12672-29-6	Aroclor-1248	U	0.20	1.0	0.50	0.52	0.20
11097-69-1	Aroclor-1254	U	0.26	1.0	0.50	0.52	0.26
11096-82-5	Aroclor-1260	U	0.28	1.0	0.50	0.52	0.28
877-09-8	Tetrachloro-m-xylene		82%				
2051-24-3	Decachlorobiphenyl		67%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 0029 NAS Pensacola
PO No:
Sample Date: 06/13/07
Received Date: 06/15/07
Extraction Date: 06/18/07
Analysis Date: 29-JUN-2007 01:02
Report Date: 06/29/2007
Matrix: WATER
% Solids: NA

Lab ID: SA3013-13
Client ID: OLFS4-MW45-0607
SDG: CTO29-1
Extracted by: GN
Extraction Method: SW846 3510
Analyst: JLP
Analysis Method: SW846 8082
Lab Prep Batch: WG40180
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
12674-11-2	Aroclor-1016	U	0.39	1.0	0.50	0.50	0.39
11104-28-2	Aroclor-1221	U	0.17	1.0	0.50	0.50	0.17
11141-16-5	Aroclor-1232	U	0.27	1.0	0.50	0.50	0.27
53469-21-9	Aroclor-1242	U	0.20	1.0	0.50	0.50	0.20
12672-29-6	Aroclor-1248	U	0.19	1.0	0.50	0.50	0.19
11097-69-1	Aroclor-1254	U	0.24	1.0	0.50	0.50	0.24
11096-82-5	Aroclor-1260	U	0.26	1.0	0.50	0.50	0.26
877-09-8	Tetrachloro-m-xylene		69%				
2051-24-3	Decachlorobiphenyl		69%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 0029 NAS Pensacola
PO No:
Sample Date: 06/13/07
Received Date: 06/15/07
Extraction Date: 06/18/07
Analysis Date: 29-JUN-2007 01:31
Report Date: 06/29/2007
Matrix: WATER
% Solids: NA

Lab ID: SA3013-15
Client ID: OLFS4-MW46-0607
SDG: CTO29-1
Extracted by: GN
Extraction Method: SW846 3510
Analyst: JLP
Analysis Method: SW846 8082
Lab Prep Batch: WG40180
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
12674-11-2	Aroclor-1016	U	0.41	1.0	0.50	0.52	0.41
11104-28-2	Aroclor-1221	U	0.18	1.0	0.50	0.52	0.18
11141-16-5	Aroclor-1232	U	0.29	1.0	0.50	0.52	0.29
53469-21-9	Aroclor-1242	U	0.22	1.0	0.50	0.52	0.22
12672-29-6	Aroclor-1248	U	0.20	1.0	0.50	0.52	0.20
11097-69-1	Aroclor-1254	U	0.26	1.0	0.50	0.52	0.26
11096-82-5	Aroclor-1260	U	0.28	1.0	0.50	0.52	0.28
877-09-8	Tetrachloro-m-xylene		61%				
2051-24-3	Decachlorobiphenyl		30%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 0029 NAS Pensacola
PO No:
Sample Date: 06/13/07
Received Date: 06/15/07
Extraction Date: 06/18/07
Analysis Date: 29-JUN-2007 02:01
Report Date: 06/29/2007
Matrix: WATER
% Solids: NA

Lab ID: SA3013-17
Client ID: OLFS4-MW44-0607
SDG: CTO29-1
Extracted by: GN
Extraction Method: SW846 3510
Analyst: JLP
Analysis Method: SW846 8082
Lab Prep Batch: WG40180
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
12674-11-2	Aroclor-1016	U	0.38	1.0	0.50	0.50	0.38
11104-28-2	Aroclor-1221	U	0.16	1.0	0.50	0.50	0.16
11141-16-5	Aroclor-1232	U	0.27	1.0	0.50	0.50	0.27
53469-21-9	Aroclor-1242	U	0.20	1.0	0.50	0.50	0.20
12672-29-6	Aroclor-1248	U	0.18	1.0	0.50	0.50	0.18
11097-69-1	Aroclor-1254	U	0.24	1.0	0.50	0.50	0.24
11096-82-5	Aroclor-1260	U	0.26	1.0	0.50	0.50	0.26
877-09-8	Tetrachloro-m-xylene		72%				
2051-24-3	Decachlorobiphenyl		27%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 0029 NAS Pensacola
PO No:
Sample Date: 06/14/07
Received Date: 06/15/07
Extraction Date: 06/18/07
Analysis Date: 29-JUN-2007 02:31
Report Date: 06/29/2007
Matrix: WATER
% Solids: NA

Lab ID: SA3013-19
Client ID: OLFS4-MW42-0607
SDG: CTO29-1
Extracted by: GN
Extraction Method: SW846 3510
Analyst: JLP
Analysis Method: SW846 8082
Lab Prep Batch: WG40180
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
12674-11-2	Aroclor-1016	U	0.41	1.0	0.50	0.51	0.41
11104-28-2	Aroclor-1221	U	0.17	1.0	0.50	0.51	0.17
11141-16-5	Aroclor-1232	U	0.28	1.0	0.50	0.51	0.28
53469-21-9	Aroclor-1242	U	0.21	1.0	0.50	0.51	0.21
12672-29-6	Aroclor-1248	U	0.19	1.0	0.50	0.51	0.19
11097-69-1	Aroclor-1254	U	0.26	1.0	0.50	0.51	0.26
11096-82-5	Aroclor-1260	U	0.28	1.0	0.50	0.51	0.28
877-09-8	Tetrachloro-m-xylene		83%				
2051-24-3	Decachlorobiphenyl		57%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 0029 NAS Pensacola
PO No:
Sample Date: 06/14/07
Received Date: 06/15/07
Extraction Date: 06/18/07
Analysis Date: 29-JUN-2007 03:01
Report Date: 06/29/2007
Matrix: WATER
% Solids: NA

Lab ID: SA3013-21
Client ID: OLFS4-MW43-0607
SDG: CTO29-1
Extracted by: GN
Extraction Method: SW846 3510
Analyst: JLP
Analysis Method: SW846 8082
Lab Prep Batch: WG40180
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
12674-11-2	Aroclor-1016	U	0.40	1.0	0.50	0.50	0.40
11104-28-2	Aroclor-1221	U	0.17	1.0	0.50	0.50	0.17
11141-16-5	Aroclor-1232	U	0.28	1.0	0.50	0.50	0.28
53469-21-9	Aroclor-1242	U	0.21	1.0	0.50	0.50	0.21
12672-29-6	Aroclor-1248	U	0.19	1.0	0.50	0.50	0.19
11097-69-1	Aroclor-1254	U	0.25	1.0	0.50	0.50	0.25
11096-82-5	Aroclor-1260	U	0.27	1.0	0.50	0.50	0.27
877-09-8	Tetrachloro-m-xylene		74%				
2051-24-3	Decachlorobiphenyl		36%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 0029 NAS Pensacola
PO No:
Sample Date: 06/12/07
Received Date: 06/15/07
Extraction Date: 06/18/07
Analysis Date: 28-JUN-2007 16:14
Report Date: 07/11/2007
Matrix: WATER
% Solids: NA

Lab ID: SA3013-1
Client ID: OLFS4-MW40-0607
SDG: CTO29-1
Extracted by: GN
Extraction Method: SW846 3510
Analyst: TR
Analysis Method: SW846 M8015
Lab Prep Batch: WG40172
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
	Petroleum Range Organics	U	300	1.0	500	520	300
	n-Triacontane-D62		112%				
	O-Terphenyl		116%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 0029 NAS Pensacola
PO No:
Sample Date: 06/12/07
Received Date: 06/15/07
Extraction Date: 06/18/07
Analysis Date: 28-JUN-2007 17:28
Report Date: 07/11/2007
Matrix: WATER
% Solids: NA

Lab ID: SA3013-3
Client ID: OLFS4-MW37-0607
SDG: CTO29-1
Extracted by: GN
Extraction Method: SW846 3510
Analyst: TR
Analysis Method: SW846 M8015
Lab Prep Batch: WG40172
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
	Petroleum Range Organics	U	300	1.0	500	520	300
	n-Triacontane-D62		121%				
	O-Terphenyl		119%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 0029 NAS Pensacola
PO No:
Sample Date: 06/12/07
Received Date: 06/15/07
Extraction Date: 06/18/07
Analysis Date: 28-JUN-2007 18:44
Report Date: 07/11/2007
Matrix: WATER
% Solids: NA

Lab ID: SA3013-5
Client ID: OLFS4-MW37-0607-D
SDG: CTO29-1
Extracted by: GN
Extraction Method: SW846 3510
Analyst: TR
Analysis Method: SW846 M8015
Lab Prep Batch: WG40172
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
	Petroleum Range Organics	U	300	1.0	500	500	300
	n-Triacontane-D62		130%				
	O-Terphenyl		129%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 0029 NAS Pensacola
PO No:
Sample Date: 06/12/07
Received Date: 06/15/07
Extraction Date: 06/18/07
Analysis Date: 28-JUN-2007 20:00
Report Date: 07/11/2007
Matrix: WATER
% Solids: NA

Lab ID: SA3013-7
Client ID: OLFS4-MW39-0607
SDG: CTO29-1
Extracted by: GN
Extraction Method: SW846 3510
Analyst: TR
Analysis Method: SW846 M8015
Lab Prep Batch: WG40172
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
	Petroleum Range Organics	U	290	1.0	500	500	290
	n-Triacontane-D62		136%				
	O-Terphenyl		136%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 0029 NAS Pensacola
PO No:
Sample Date: 06/13/07
Received Date: 06/15/07
Extraction Date: 06/18/07
Analysis Date: 28-JUN-2007 21:15
Report Date: 07/11/2007
Matrix: WATER
% Solids: NA

Lab ID: SA3013-9
Client ID: OLFS4-MW38-0607
SDG: CTO29-1
Extracted by: GN
Extraction Method: SW846 3510
Analyst: TR
Analysis Method: SW846 M8015
Lab Prep Batch: WG40172
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
	Petroleum Range Organics	U	300	1.0	500	510	300
	n-Triacontane-D62		139%				
	O-Terphenyl		139%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 0029 NAS Pensacola
PO No:
Sample Date: 06/13/07
Received Date: 06/15/07
Extraction Date: 06/18/07
Analysis Date: 28-JUN-2007 22:31
Report Date: 07/11/2007
Matrix: WATER
% Solids: NA

Lab ID: SA3013-11
Client ID: OLFS4-MW41-0607
SDG: CTO29-1
Extracted by: GN
Extraction Method: SW846 3510
Analyst: TR
Analysis Method: SW846 M8015
Lab Prep Batch: WG40172
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
	Petroleum Range Organics	U	300	1.0	500	500	300
	n-Triacontane-D62		142%				
	O-Terphenyl		142%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 0029 NAS Pensacola
PO No:
Sample Date: 06/13/07
Received Date: 06/15/07
Extraction Date: 06/18/07
Analysis Date: 05-JUL-2007 18:07
Report Date: 07/11/2007
Matrix: WATER
% Solids: NA

Lab ID: SA3013-13RA2
Client ID: OLFS4-MW45-0607
SDG: CTO29-1
Extracted by: GN
Extraction Method: SW846 3510
Analyst: TR
Analysis Method: SW846 M8015
Lab Prep Batch: WG40172
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
	Petroleum Range Organics	I	330	1.0	500	500	290
	n-Triacontane-D62		116%				
	O-Terphenyl		121%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 0029 NAS Pensacola
PO No:
Sample Date: 06/13/07
Received Date: 06/15/07
Extraction Date: 06/18/07
Analysis Date: 05-JUL-2007 19:22
Report Date: 07/11/2007
Matrix: WATER
% Solids: NA

Lab ID: SA3013-15RA2
Client ID: OLFS4-MW46-0607
SDG: CTO29-1
Extracted by: GN
Extraction Method: SW846 3510
Analyst: TR
Analysis Method: SW846 M8015
Lab Prep Batch: WG40172
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
	Petroleum Range Organics	I	300	1.0	500	500	290
	n-Triacontane-D62		108%				
	O-Terphenyl		110%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 0029 NAS Pensacola
PO No:
Sample Date: 06/13/07
Received Date: 06/15/07
Extraction Date: 06/18/07
Analysis Date: 05-JUL-2007 20:38
Report Date: 07/11/2007
Matrix: WATER
% Solids: NA

Lab ID: SA3013-17RA2
Client ID: OLFS4-MW44-0607
SDG: CTO29-1
Extracted by: GN
Extraction Method: SW846 3510
Analyst: TR
Analysis Method: SW846 M8015
Lab Prep Batch: WG40172
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
	Petroleum Range Organics	I	390	1.0	500	500	280
	n-Triacontane-D62		144%				
	O-Terphenyl		J147%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 0029 NAS Pensacola
PO No:
Sample Date: 06/14/07
Received Date: 06/15/07
Extraction Date: 06/18/07
Analysis Date: 05-JUL-2007 21:53
Report Date: 07/11/2007
Matrix: WATER
% Solids: NA

Lab ID: SA3013-19RA2
Client ID: OLFS4-MW42-0607
SDG: CTO29-1
Extracted by: GN
Extraction Method: SW846 3510
Analyst: TR
Analysis Method: SW846 M8015
Lab Prep Batch: WG40172
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
	Petroleum Range Organics	U	300	1.0	500	520	300
	n-Triacontane-D62		126%				
	O-Terphenyl		127%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 0029 NAS Pensacola
PO No:
Sample Date: 06/14/07
Received Date: 06/15/07
Extraction Date: 06/18/07
Analysis Date: 05-JUL-2007 23:08
Report Date: 07/11/2007
Matrix: WATER
% Solids: NA

Lab ID: SA3013-21RA
Client ID: OLFS4-MW43-0607
SDG: CTO29-1
Extracted by: GN
Extraction Method: SW846 3510
Analyst: TR
Analysis Method: SW846 M8015
Lab Prep Batch: WG40172
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
	Petroleum Range Organics	U	300	1.0	500	520	300
	n-Triacontane-D62		138%				
	O-Terphenyl		142%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 0029 NAS Pensacola
PO No:
Sample Date: 06/12/07
Received Date: 06/15/07
Extraction Date: 06/18/07
Analysis Date: 21-JUN-2007 02:08
Report Date: 07/09/2007
Matrix: WATER
% Solids: NA

Lab ID: SA3013-1
Client ID: OLFS4-MW40-0607
SDG: CTO29-1
Extracted by: SJC
Extraction Method: EPA 504.1
Analyst: JLP
Analysis Method: EPA 504.1
Lab Prep Batch: WG40163
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
106-93-4	1,2-Dibromoethane	U	0.0067	1.0	0.020	0.020	0.0067
877-09-8	Tetrachloro-M-Xylene		J162%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 0029 NAS Pensacola
PO No:
Sample Date: 06/12/07
Received Date: 06/15/07
Extraction Date: 06/18/07
Analysis Date: 21-JUN-2007 03:52
Report Date: 07/09/2007
Matrix: WATER
% Solids: NA

Lab ID: SA3013-3
Client ID: OLFS4-MW37-0607
SDG: CTO29-1
Extracted by: SJC
Extraction Method: EPA 504.1
Analyst: JLP
Analysis Method: EPA 504.1
Lab Prep Batch: WG40163
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
106-93-4	1,2-Dibromoethane	U	0.0068	1.0	0.020	0.020	0.0068
877-09-8	Tetrachloro-M-Xylene		J162%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 0029 NAS Pensacola
PO No:
Sample Date: 06/12/07
Received Date: 06/15/07
Extraction Date: 06/18/07
Analysis Date: 21-JUN-2007 04:27
Report Date: 07/09/2007
Matrix: WATER
% Solids: NA

Lab ID: SA3013-5
Client ID: OLFS4-MW37-0607-D
SDG: CTO29-1
Extracted by: SJC
Extraction Method: EPA 504.1
Analyst: JLP
Analysis Method: EPA 504.1
Lab Prep Batch: WG40163
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
106-93-4	1,2-Dibromoethane	U	0.0067	1.0	0.020	0.020	0.0067
877-09-8	Tetrachloro-M-Xylene		121%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 0029 NAS Pensacola
PO No:
Sample Date: 06/12/07
Received Date: 06/15/07
Extraction Date: 06/18/07
Analysis Date: 21-JUN-2007 05:02
Report Date: 07/09/2007
Matrix: WATER
% Solids: NA

Lab ID: SA3013-7
Client ID: OLFS4-MW39-0607
SDG: CTO29-1
Extracted by: SJC
Extraction Method: EPA 504.1
Analyst: JLP
Analysis Method: EPA 504.1
Lab Prep Batch: WG40163
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
106-93-4	1,2-Dibromoethane	U	0.0067	1.0	0.020	0.020	0.0067
877-09-8	Tetrachloro-M-Xylene		J126%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 0029 NAS Pensacola
PO No:
Sample Date: 06/13/07
Received Date: 06/15/07
Extraction Date: 06/18/07
Analysis Date: 21-JUN-2007 05:37
Report Date: 07/09/2007
Matrix: WATER
% Solids: NA

Lab ID: SA3013-9
Client ID: OLFS4-MW38-0607
SDG: CTO29-1
Extracted by: SJC
Extraction Method: EPA 504.1
Analyst: JLP
Analysis Method: EPA 504.1
Lab Prep Batch: WG40163
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
106-93-4	1,2-Dibromoethane	U	0.0067	1.0	0.020	0.020	0.0067
877-09-8	Tetrachloro-M-Xylene		J169%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 0029 NAS Pensacola
PO No:
Sample Date: 06/13/07
Received Date: 06/15/07
Extraction Date: 06/18/07
Analysis Date: 21-JUN-2007 06:12
Report Date: 07/09/2007
Matrix: WATER
% Solids: NA

Lab ID: SA3013-11
Client ID: OLFS4-MW41-0607
SDG: CTO29-1
Extracted by: SJC
Extraction Method: EPA 504.1
Analyst: JLP
Analysis Method: EPA 504.1
Lab Prep Batch: WG40163
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
106-93-4	1,2-Dibromoethane	U	0.0066	1.0	0.020	0.020	0.0066
877-09-8	Tetrachloro-M-Xylene		J157%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 0029 NAS Pensacola
PO No:
Sample Date: 06/13/07
Received Date: 06/15/07
Extraction Date: 06/18/07
Analysis Date: 21-JUN-2007 06:48
Report Date: 07/11/2007
Matrix: WATER
% Solids: NA

Lab ID: SA3013-13
Client ID: OLFS4-MW45-0607
SDG: CTO29-1
Extracted by: SJC
Extraction Method: EPA 504.1
Analyst: JLP
Analysis Method: EPA 504.1
Lab Prep Batch: WG40163
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
106-93-4	1,2-Dibromoethane	U	0.0067	1.0	0.020	0.020	0.0067
877-09-8	Tetrachloro-M-Xylene		J204%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 0029 NAS Pensacola
PO No:
Sample Date: 06/13/07
Received Date: 06/15/07
Extraction Date: 06/18/07
Analysis Date: 21-JUN-2007 07:24
Report Date: 07/11/2007
Matrix: WATER
% Solids: NA

Lab ID: SA3013-15
Client ID: OLFS4-MW46-0607
SDG: CTO29-1
Extracted by: SJC
Extraction Method: EPA 504.1
Analyst: JLP
Analysis Method: EPA 504.1
Lab Prep Batch: WG40163
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
106-93-4	1,2-Dibromoethane	U	0.0066	1.0	0.020	0.020	0.0066
877-09-8	Tetrachloro-M-Xylene		J143%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 0029 NAS Pensacola
PO No:
Sample Date: 06/13/07
Received Date: 06/15/07
Extraction Date: 06/18/07
Analysis Date: 21-JUN-2007 09:05
Report Date: 07/09/2007
Matrix: WATER
% Solids: NA

Lab ID: SA3013-17
Client ID: OLFS4-MW44-0607
SDG: CTO29-1
Extracted by: SJC
Extraction Method: EPA 504.1
Analyst: JLP
Analysis Method: EPA 504.1
Lab Prep Batch: WG40163
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
106-93-4	1,2-Dibromoethane	U	0.0067	1.0	0.020	0.020	0.0067
877-09-8	Tetrachloro-M-Xylene		J203%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 0029 NAS Pensacola
PO No:
Sample Date: 06/14/07
Received Date: 06/15/07
Extraction Date: 06/18/07
Analysis Date: 21-JUN-2007 09:39
Report Date: 07/09/2007
Matrix: WATER
% Solids: NA

Lab ID: SA3013-19
Client ID: OLFS4-MW42-0607
SDG: CTO29-1
Extracted by: SJC
Extraction Method: EPA 504.1
Analyst: JLP
Analysis Method: EPA 504.1
Lab Prep Batch: WG40163
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
106-93-4	1,2-Dibromoethane	U	0.0066	1.0	0.020	0.020	0.0066
877-09-8	Tetrachloro-M-Xylene		J127%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 0029 NAS Pensacola
PO No:
Sample Date: 06/14/07
Received Date: 06/15/07
Extraction Date: 06/18/07
Analysis Date: 21-JUN-2007 10:13
Report Date: 07/09/2007
Matrix: WATER
% Solids: NA

Lab ID: SA3013-21
Client ID: OLFS4-MW43-0607
SDG: CTO29-1
Extracted by: SJC
Extraction Method: EPA 504.1
Analyst: JLP
Analysis Method: EPA 504.1
Lab Prep Batch: WG40163
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
106-93-4	1,2-Dibromoethane	U	0.0066	1.0	0.020	0.020	0.0066
877-09-8	Tetrachloro-M-Xylene		J155%				

APPENDIX C

SUPPORT DOCUMENTATION

SORT	UNITS	NSAMPLE	LAB_ID	QC_TYPE	SAMP_DATE	EXTR_DATE	ANAL_DATE	SMP_EXTR	EXTR_ANL	SMP_ANL
M	UG/L	OLFS4-MW42-0607	SA3013-019	NM	6/14/2007	6/18/2007	6/26/2007	4	8	12
M	UG/L	OLFS4-MW39-0607	SA3013-007	NM	6/12/2007	6/18/2007	6/26/2007	6	8	14
M	UG/L	OLFS4-MW37-0607	SA3013-003	NM	6/12/2007	6/18/2007	6/26/2007	6	8	14
M	UG/L	OLFS4-MW38-0607	SA3013-009	NM	6/13/2007	6/18/2007	6/26/2007	5	8	13
M	UG/L	OLFS4-MW37-0607-D	SA3013-005	NM	6/12/2007	6/18/2007	6/26/2007	6	8	14
M	UG/L	OLFS4-MW45-0607	SA3013-013	NM	6/13/2007	6/18/2007	6/26/2007	5	8	13
M	UG/L	OLFS4-MW40-0607	SA3013-001	NM	6/12/2007	6/18/2007	6/26/2007	6	8	14
OS	%	OLFS4-MW40-0607	SA3013-1	NM	6/12/2007	6/19/2007	6/26/2007	7	7	14
OS	%	OLFS4-MW45-0607	SA3013-13	NM	6/13/2007	6/19/2007	6/26/2007	6	7	13
OS	%	OLFS4-MW44-0607	SA3013-17	NM	6/13/2007	6/20/2007	6/25/2007	7	5	12
OS	%	OLFS4-MW43-0607	SA3013-21	NM	6/14/2007	6/20/2007	6/25/2007	6	5	11
OS	%	OLFS4-MW41-0607	SA3013-11	NM	6/13/2007	6/19/2007	6/26/2007	6	7	13
OS	%	OLFS4-MW39-0607	SA3013-7	NM	6/12/2007	6/19/2007	6/26/2007	7	7	14
OS	%	OLFS4-MW38-0607	SA3013-9	NM	6/13/2007	6/19/2007	6/26/2007	6	7	13
OS	%	OLFS4-MW37-0607-D	SA3013-5	NM	6/12/2007	6/19/2007	6/26/2007	7	7	14
OS	%	OLFS4-MW37-0607	SA3013-3	NM	6/12/2007	6/19/2007	6/26/2007	7	7	14
OS	%	OLFS4-MW46-0607	SA3013-15	NM	6/13/2007	6/19/2007	6/26/2007	6	7	13
OS	%	OLFS4-MW42-0607	SA3013-19	NM	6/14/2007	6/20/2007	6/25/2007	6	5	11

SORT	UNITS	NSAMPLE	LAB_ID	QC_TYPE	SAMP_DATE	EXTR_DATE	ANAL_DATE	SMP_EXTR	EXTR_ANL	SMP_ANL
OS	UG/L	OLFS4-MW42-0607	SA3013-19	NM	6/14/2007	6/20/2007	6/25/2007	6	5	11
OS	UG/L	OLFS4-MW46-0607	SA3013-15	NM	6/13/2007	6/19/2007	6/26/2007	6	7	13
OS	UG/L	OLFS4-MW45-0607	SA3013-13	NM	6/13/2007	6/19/2007	6/26/2007	6	7	13
OS	UG/L	OLFS4-MW44-0607	SA3013-17	NM	6/13/2007	6/20/2007	6/25/2007	7	5	12
OS	UG/L	OLFS4-MW43-0607	SA3013-21	NM	6/14/2007	6/20/2007	6/25/2007	6	5	11
OS	UG/L	OLFS4-MW40-0607	SA3013-1	NM	6/12/2007	6/19/2007	6/26/2007	7	7	14
OS	UG/L	OLFS4-MW39-0607	SA3013-7	NM	6/12/2007	6/19/2007	6/26/2007	7	7	14
OS	UG/L	OLFS4-MW38-0607	SA3013-9	NM	6/13/2007	6/19/2007	6/26/2007	6	7	13
OS	UG/L	OLFS4-MW37-0607-D	SA3013-5	NM	6/12/2007	6/19/2007	6/26/2007	7	7	14
OS	UG/L	OLFS4-MW37-0607	SA3013-3	NM	6/12/2007	6/19/2007	6/26/2007	7	7	14
OS	UG/L	OLFS4-MW41-0607	SA3013-11	NM	6/13/2007	6/19/2007	6/26/2007	6	7	13
OV	%	OLFS4-MW45-0607	SA3013-13	NM	6/13/2007	6/26/2007	6/26/2007	13	0	13
OV	%	OLFS4-MW42-0607	SA3013-19	NM	6/14/2007	6/26/2007	6/26/2007	12	0	12
OV	%	OLFS4-MW43-0607	SA3013-21	NM	6/14/2007	6/18/2007	6/21/2007	4	3	7
OV	%	OLFS4-MW43-0607	SA3013-21	NM	6/14/2007	6/26/2007	6/26/2007	12	0	12
OV	%	OLFS4-MW44-0607	SA3013-17	NM	6/13/2007	6/18/2007	6/21/2007	5	3	8
OV	%	OLFS4-MW42-0607	SA3013-19	NM	6/14/2007	6/18/2007	6/21/2007	4	3	7
OV	%	OLFS4-MW45-0607	SA3013-13	NM	6/13/2007	6/18/2007	6/21/2007	5	3	8

SORT	UNITS	NSAMPLE	LAB_ID	QC_TYPE	SAMP_DATE	EXTR_DATE	ANAL_DATE	SMP_EXTR	EXTR_ANL	SMP_ANL
OV	%	OLFS4-MW39-0607	SA3013-7	NM	6/12/2007	6/24/2007	6/24/2007	12	0	12
OV	%	OLFS4-MW46-0607	SA3013-15	NM	6/13/2007	6/18/2007	6/21/2007	5	3	8
OV	%	TRIP BLANK	SA3013-23	NM	6/14/2007	6/26/2007	6/26/2007	12	0	12
OV	%	OLFS4-MW44-0607	SA3013-17	NM	6/13/2007	6/26/2007	6/26/2007	13	0	13
OV	%	OLFS4-MW41-0607	SA3013-11	NM	6/13/2007	6/26/2007	6/26/2007	13	0	13
OV	%	OLFS4-MW41-0607	SA3013-11	NM	6/13/2007	6/18/2007	6/21/2007	5	3	8
OV	%	OLFS4-MW40-0607	SA3013-1	NM	6/12/2007	6/18/2007	6/21/2007	6	3	9
OV	%	OLFS4-MW39-0607	SA3013-7	NM	6/12/2007	6/18/2007	6/21/2007	6	3	9
OV	%	OLFS4-MW38-0607	SA3013-9	NM	6/13/2007	6/26/2007	6/26/2007	13	0	13
OV	%	OLFS4-MW38-0607	SA3013-9	NM	6/13/2007	6/18/2007	6/21/2007	5	3	8
OV	%	OLFS4-MW37-0607-D	SA3013-5	NM	6/12/2007	6/24/2007	6/24/2007	12	0	12
OV	%	OLFS4-MW37-0607-D	SA3013-5	NM	6/12/2007	6/18/2007	6/21/2007	6	3	9
OV	%	OLFS4-MW37-0607	SA3013-3	NM	6/12/2007	6/24/2007	6/24/2007	12	0	12
OV	%	OLFS4-MW37-0607	SA3013-3	NM	6/12/2007	6/18/2007	6/21/2007	6	3	9
OV	%	OLFS4-MW46-0607	SA3013-15	NM	6/13/2007	6/26/2007	6/26/2007	13	0	13
OV	%	OLFS4-MW40-0607	SA3013-1	NM	6/12/2007	6/24/2007	6/24/2007	12	0	12
OV	UG/L	OLFS4-MW42-0607	SA3013-19	NM	6/14/2007	6/26/2007	6/26/2007	12	0	12
OV	UG/L	OLFS4-MW37-0607	SA3013-3	NM	6/12/2007	6/18/2007	6/21/2007	6	3	9

SORT	UNITS	NSAMPLE	LAB_ID	QC_TYPE	SAMP_DATE	EXTR_DATE	ANAL_DATE	SMP_EXTR	EXTR_ANL	SMP_ANL
OV	UG/L	TRIP BLANK	SA3013-23	NM	6/14/2007	6/26/2007	6/26/2007	12	0	12
OV	UG/L	OLFS4-MW46-0607	SA3013-15	NM	6/13/2007	6/26/2007	6/26/2007	13	0	13
OV	UG/L	OLFS4-MW46-0607	SA3013-15	NM	6/13/2007	6/18/2007	6/21/2007	5	3	8
OV	UG/L	OLFS4-MW45-0607	SA3013-13	NM	6/13/2007	6/26/2007	6/26/2007	13	0	13
OV	UG/L	OLFS4-MW45-0607	SA3013-13	NM	6/13/2007	6/18/2007	6/21/2007	5	3	8
OV	UG/L	OLFS4-MW44-0607	SA3013-17	NM	6/13/2007	6/26/2007	6/26/2007	13	0	13
OV	UG/L	OLFS4-MW44-0607	SA3013-17	NM	6/13/2007	6/18/2007	6/21/2007	5	3	8
OV	UG/L	OLFS4-MW43-0607	SA3013-21	NM	6/14/2007	6/18/2007	6/21/2007	4	3	7
OV	UG/L	OLFS4-MW42-0607	SA3013-19	NM	6/14/2007	6/18/2007	6/21/2007	4	3	7
OV	UG/L	OLFS4-MW39-0607	SA3013-7	NM	6/12/2007	6/18/2007	6/21/2007	6	3	9
OV	UG/L	OLFS4-MW37-0607	SA3013-3	NM	6/12/2007	6/24/2007	6/24/2007	12	0	12
OV	UG/L	OLFS4-MW37-0607-D	SA3013-5	NM	6/12/2007	6/18/2007	6/21/2007	6	3	9
OV	UG/L	OLFS4-MW37-0607-D	SA3013-5	NM	6/12/2007	6/24/2007	6/24/2007	12	0	12
OV	UG/L	OLFS4-MW43-0607	SA3013-21	NM	6/14/2007	6/26/2007	6/26/2007	12	0	12
OV	UG/L	OLFS4-MW38-0607	SA3013-9	NM	6/13/2007	6/26/2007	6/26/2007	13	0	13
OV	UG/L	OLFS4-MW41-0607	SA3013-11	NM	6/13/2007	6/26/2007	6/26/2007	13	0	13
OV	UG/L	OLFS4-MW39-0607	SA3013-7	NM	6/12/2007	6/24/2007	6/24/2007	12	0	12
OV	UG/L	OLFS4-MW40-0607	SA3013-1	NM	6/12/2007	6/18/2007	6/21/2007	6	3	9

SORT	UNITS	NSAMPLE	LAB_ID	QC_TYPE	SAMP_DATE	EXTR_DATE	ANAL_DATE	SMP_EXTR	EXTR_ANL	SMP_ANL
OV	UG/L	OLFS4-MW40-0607	SA3013-1	NM	6/12/2007	6/24/2007	6/24/2007	12	0	12
OV	UG/L	OLFS4-MW41-0607	SA3013-11	NM	6/13/2007	6/18/2007	6/21/2007	5	3	8
OV	UG/L	OLFS4-MW38-0607	SA3013-9	NM	6/13/2007	6/18/2007	6/21/2007	5	3	8
PCB	%	OLFS4-MW42-0607	SA3013-19	NM	6/14/2007	6/18/2007	6/29/2007	4	11	15
PCB	%	OLFS4-MW45-0607	SA3013-13	NM	6/13/2007	6/18/2007	6/29/2007	5	11	16
PCB	%	OLFS4-MW46-0607	SA3013-15	NM	6/13/2007	6/18/2007	6/29/2007	5	11	16
PCB	%	OLFS4-MW44-0607	SA3013-17	NM	6/13/2007	6/18/2007	6/29/2007	5	11	16
PCB	%	OLFS4-MW43-0607	SA3013-21	NM	6/14/2007	6/18/2007	6/29/2007	4	11	15
PCB	%	OLFS4-MW40-0607	SA3013-1	NM	6/12/2007	6/18/2007	6/28/2007	6	10	16
PCB	%	OLFS4-MW39-0607	SA3013-7	NM	6/12/2007	6/18/2007	6/28/2007	6	10	16
PCB	%	OLFS4-MW38-0607	SA3013-9	NM	6/13/2007	6/18/2007	6/29/2007	5	11	16
PCB	%	OLFS4-MW37-0607-D	SA3013-5	NM	6/12/2007	6/18/2007	6/28/2007	6	10	16
PCB	%	OLFS4-MW37-0607	SA3013-3	NM	6/12/2007	6/18/2007	6/28/2007	6	10	16
PCB	%	OLFS4-MW41-0607	SA3013-11	NM	6/13/2007	6/18/2007	6/29/2007	5	11	16
PCB	UG/L	OLFS4-MW40-0607	SA3013-1	NM	6/12/2007	6/18/2007	6/28/2007	6	10	16
PCB	UG/L	OLFS4-MW37-0607	SA3013-3	NM	6/12/2007	6/18/2007	6/28/2007	6	10	16
PCB	UG/L	OLFS4-MW46-0607	SA3013-15	NM	6/13/2007	6/18/2007	6/29/2007	5	11	16
PCB	UG/L	OLFS4-MW45-0607	SA3013-13	NM	6/13/2007	6/18/2007	6/29/2007	5	11	16

SORT	UNITS	NSAMPLE	LAB_ID	QC_TYPE	SAMP_DATE	EXTR_DATE	ANAL_DATE	SMP_EXTR	EXTR_ANL	SMP_ANL
PCB	UG/L	OLFS4-MW44-0607	SA3013-17	NM	6/13/2007	6/18/2007	6/29/2007	5	11	16
PCB	UG/L	OLFS4-MW43-0607	SA3013-21	NM	6/14/2007	6/18/2007	6/29/2007	4	11	15
PCB	UG/L	OLFS4-MW41-0607	SA3013-11	NM	6/13/2007	6/18/2007	6/29/2007	5	11	16
PCB	UG/L	OLFS4-MW39-0607	SA3013-7	NM	6/12/2007	6/18/2007	6/28/2007	6	10	16
PCB	UG/L	OLFS4-MW38-0607	SA3013-9	NM	6/13/2007	6/18/2007	6/29/2007	5	11	16
PCB	UG/L	OLFS4-MW37-0607-D	SA3013-5	NM	6/12/2007	6/18/2007	6/28/2007	6	10	16
PCB	UG/L	OLFS4-MW42-0607	SA3013-19	NM	6/14/2007	6/18/2007	6/29/2007	4	11	15
TPH	%	OLFS4-MW42-0607RA2	SA3013-19RA2	NM	6/14/2007	6/18/2007	7/5/2007	4	17	21
TPH	%	OLFS4-MW37-0607-D	SA3013-5	NM	6/12/2007	6/18/2007	6/28/2007	6	10	16
TPH	%	OLFS4-MW45-0607RA2	SA3013-13RA2	NM	6/13/2007	6/18/2007	7/5/2007	5	17	22
TPH	%	OLFS4-MW44-0607RA2	SA3013-17RA2	NM	6/13/2007	6/18/2007	7/5/2007	5	17	22
TPH	%	OLFS4-MW46-0607RA2	SA3013-15RA2	NM	6/13/2007	6/18/2007	7/5/2007	5	17	22
TPH	%	OLFS4-MW43-0607RA	SA3013-21RA	NM	6/14/2007	6/18/2007	7/5/2007	4	17	21
TPH	%	OLFS4-MW40-0607	SA3013-1	NM	6/12/2007	6/18/2007	6/28/2007	6	10	16
TPH	%	OLFS4-MW38-0607	SA3013-9	NM	6/13/2007	6/18/2007	6/28/2007	5	10	15
TPH	%	OLFS4-MW37-0607	SA3013-3	NM	6/12/2007	6/18/2007	6/28/2007	6	10	16
TPH	%	OLFS4-MW41-0607	SA3013-11	NM	6/13/2007	6/18/2007	6/28/2007	5	10	15
TPH	%	OLFS4-MW39-0607	SA3013-7	NM	6/12/2007	6/18/2007	6/28/2007	6	10	16

SORT	UNITS	NSAMPLE	LAB_ID	QC_TYPE	SAMP_DATE	EXTR_DATE	ANAL_DATE	SMP_EXTR	EXTR_ANL	SMP_ANL
TPH	UG/L	OLFS4-MW38-0607	SA3013-9	NM	6/13/2007	6/18/2007	6/28/2007	5	10	15
TPH	UG/L	OLFS4-MW45-0607RA2	SA3013-13RA2	NM	6/13/2007	6/18/2007	7/5/2007	5	17	22
TPH	UG/L	OLFS4-MW44-0607RA2	SA3013-17RA2	NM	6/13/2007	6/18/2007	7/5/2007	5	17	22
TPH	UG/L	OLFS4-MW43-0607RA	SA3013-21RA	NM	6/14/2007	6/18/2007	7/5/2007	4	17	21
TPH	UG/L	OLFS4-MW42-0607RA2	SA3013-19RA2	NM	6/14/2007	6/18/2007	7/5/2007	4	17	21
TPH	UG/L	OLFS4-MW41-0607	SA3013-11	NM	6/13/2007	6/18/2007	6/28/2007	5	10	15
TPH	UG/L	OLFS4-MW39-0607	SA3013-7	NM	6/12/2007	6/18/2007	6/28/2007	6	10	16
TPH	UG/L	OLFS4-MW37-0607-D	SA3013-5	NM	6/12/2007	6/18/2007	6/28/2007	6	10	16
TPH	UG/L	OLFS4-MW37-0607	SA3013-3	NM	6/12/2007	6/18/2007	6/28/2007	6	10	16
TPH	UG/L	OLFS4-MW46-0607RA2	SA3013-15RA2	NM	6/13/2007	6/18/2007	7/5/2007	5	17	22
TPH	UG/L	OLFS4-MW40-0607	SA3013-1	NM	6/12/2007	6/18/2007	6/28/2007	6	10	16

SAUFLEY
WATER DATA
CTO29-1

FRACTION	CHEMICAL	OLFS4-MW37-0607	UNITS	OLFS4-MW37-0607-D	RPD	D
OV	ACETONE	6	UG/L	8	28.57	2.00

Current RPD Quality Control Limit: 35 %.
Shaded cells indicate RPDs that exceed the applicable quality control limit.

SDG NARRATIVE
KATAHDIN ANALYTICAL SERVICES
TETRA TECH NUS
CASE CTO 056 NAS PENSACOLA
SDG: CTO29-1
SA3013

Sample Receipt

The following samples were received on June 15, 2007 and were logged in under Katahdin Analytical Services work order number SA3013 for a hardcopy due date of July 11, 2007.

KATAHDIN Sample No.	TTNUS Sample Identification
SA3013-1	OLFS4-MW40-0607
SA3013-3	OLFS4-MW37-0607
SA3013-5	OLFS4-MW37-0607-D
SA3013-7	OLFS4-MW39-0607
SA3013-9	OLFS4-MW38-0607
SA3013-11	OLFS4-MW41-0607
SA3013-13	OLFS4-MW45-0607
SA3013-15	OLFS4-MW46-0607
SA3013-17	OLFS4-MW44-0607
SA3013-19	OLFS4-MW42-0607
SA3013-21	OLFS4-MW43-0607
SA3013-23	TRIP BLANK

The samples were logged in for the analyses specified on the chain of custody form. All problems encountered and resolved during sample receipt have been documented on the applicable chain of custody forms.

We certify that the test results provided in this report meet all the requirements of the NELAC standards unless otherwise noted in this narrative or in the Report of Analysis.

Sample analyses have been performed by the methods as noted herein.

Should you have any questions or comments concerning this Report of Analysis, please do not hesitate to contact your Katahdin Analytical Services Project Manager, **Andrea J. Colby**. This narrative is an integral part of the Report of Analysis.

Organics Analysis

The samples of SDG CTO29-1 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, III, IIIA, and IIIB 1996, 1998 & 2004, Office of Solid Waste and Emergency Response, U.S. EPA, and/or for the specific methods listed below or on the Report of Analysis. Sample SA3013-1 was used for the Matrix Spike (MS) and Matrix Spike Duplicate (MSD)

samples, per client request. Some manual integrations may have been performed due to split peaks and/or corrected baselines. All have been flagged with an "M" (software-generated) on the pertinent quantitation reports.

8260B Analysis

The reported percent recovery acceptance limits for the Laboratory Control Samples (LCSs) are statistically derived for the full list of spiked compounds. The recoveries of the spiked analytes in the LCS, Matrix Spike (MS) and Matrix Spike Duplicate (MSD) are compared to these acceptance limits. Katahdin standard operating procedure is not to take corrective action until greater than ten percent of the spiked analytes (with the exception of the common laboratory contaminants acetone and methylene chloride) in the LCS are outside of the QC limits.

Samples SA3013-9 and SA3013-23 were manually integrated for acetone and methylene chloride. The specific reasons for the manual integrations are indicated on the raw data by the manual integration codes (M1-M11). These codes are further explained in the attachment following this narrative.

The initial calibration analyzed on the S instrument had a %RSD values for 1,4-dioxane that exceeded the method acceptance limit of 15%. This analyte failed for both the linear and quadratic models in the initial calibration curve due to the correlation coefficient and the coefficient of determination being less than the method acceptance criteria of 0.995 and 0.990 respectively. This compound was calibrated using the average model. Since this analyte was not detected above the MDL for any of the associated samples and all other QC criteria were met, the associated samples were not reanalyzed.

The initial calibrations analyzed on the S and T instruments had %RSD values for acetone that exceeded the method acceptance limit of 15%. Although the %RSD is greater than 15%, acetone was calibrated with the average model since this calibration model is more accurate for this analyte at concentrations near the PQL than either the linear or quadratic calibration models.

The initial calibration analyzed on the T instrument had a %RSD values for trichlorofluoromethane that exceeded the method acceptance limit of 15%. This analyte failed for both the linear and quadratic models in the initial calibration curve due to the correlation coefficient and the coefficient of determination being less than the method acceptance criteria of 0.995 and 0.990 respectively. This compound was calibrated using the average model. Since this analyte was not detected above the MDL for any of the associated samples and all other QC criteria were met, the associated samples were not reanalyzed.

The initial calibration analyzed on the T instrument had a relative response factor (RRF) for the analyte isobutyl alcohol that was less than 0.01 for one or more of the calibration data points. Since this analyte is a poor responder, the RRF acceptance criteria only applies to the SPCC's, at least one calibration point was above 0.01, the EPA CLP method applies a minimum RRF acceptance criteria of 0.01, and this analyte was not detected above the MDL in any of the associated samples, the samples were not reanalyzed.

8270C Analysis

The reported percent recovery acceptance limits for the Laboratory Control Samples (LCSs) are statistically derived for the full list of spiked compounds. The recoveries of the spiked analytes in the LCS, Matrix Spike (MS) and Matrix Spike Duplicate (MSD) are compared to these acceptance limits. Katahdin standard operating procedure is not to take corrective action until the number of spiked analytes in the LCS that are outside of the QC limits is not greater than the DoD QSM allowable number of exceedances. If the associated MS/MSD has greater than the allowable number of exceedances, no corrective action is taken, as long as the LCS is acceptable.

The analytesα,α-dimethylphenethylamine, p-phenylenediamine, 1,4-naphthoquinone, aramite and/or hexachlorophene had no recoveries in the LCS's, LCSD's and/or MS/MSD. All of these analytes are additional appendix IX analytes which often times have poor recoveries due the chemical nature of the analytes.

The LCS WG40249-2RA had greater than the DoD QSM allowable number of exceedances of the spiked analytes whose recoveries were high and outside of the laboratory established acceptance limits. Since a high recovery would indicate a high bias and these analytes were not detected above the PQL in the associated samples, the samples were not reextracted.

The initial calibration analyzed on the U instrument on 06/04/07 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 analyte 3,3'-dichlorobenzidine failed for both the linear and quadratic models in the initial calibration curve due to the correlation coefficient and the coefficient of determination being less than the method acceptance criteria of 0.995 and 0.990 respectively. This compound was calibrated using the average model.

The target analyte hexachlorophene is included in the calibration standard mix. However, hexachlorophene could not be calibrated by method 8270C because it is unstable in the calibration standard and is therefore not detectable by GC/MS. Since there were no responses for this analyte in the initial calibration standards and the calibration verification standards, there are no data points reported for these compounds on the Form 6 and Form 7 and there are no recoveries in the LCS/LCSD. As a result, quantitation of this analyte in the sample was not possible. However, the sample chromatograms have been searched for specific ions and the spectra have been evaluated for the presence of hexachlorophene. This analyte was not detected in the samples.

The calibration verification standards (CV) (files U8308 and U8323) had high responses for the CCC di-n-octyl-phthalate, which resulted in %D's that were outside the method acceptance limit of 20%. Since a high response would indicate a high bias and this target analyte was not detected above the PQL in the samples, the samples were not reanalyzed.

Samples SA3013-5 and 9 had low recoveries for two surrogates, which were outside the laboratory established acceptance limits. The client was notified and informed the laboratory to proceed with narration.

8082 Analysis

Samples SA3013-1, 15, 17, and 21 were manually integrated for the surrogates TCX and/or DCB. The specific reasons for the manual integrations are indicated on the raw data by the manual integration codes (M1-M11). These codes are further explained in the attachment following this narrative.

The Form 7 for the CV's (files 6AF3071, 6AF4071, 6AF3252, 6AF4252, 6AF3282, and 6AF4282) are flagged for the surrogates TCX and DCB indicating that the %D's were greater than the method acceptance limit of 15%. With the exception of DCB for files 6AF3071 and 6AF4071, which were high, the %D's are actually within the method acceptance limits and should not be flagged, but due to software limitations the flagging could not be removed.

The CV (files 6AF3071 and 6AF4071) had high responses for Aroclor 1016 and Aroclor 1260 on channel B and a high response for DCB on both channels. These responses resulted in %D's that were outside of the method acceptance limits of 15%. Since the responses for Aroclor 1016 and Aroclor 1260 were acceptable on channel A, the associated samples were not reanalyzed. The associated samples may be biased high for the surrogate DCB.

The CV (file 6AF3282) had a high response for Aroclor 1260 on channel A, which resulted in a %D that was outside of the method acceptance limits of 15%. Since response for Aroclor 1260 was acceptable on channel B, the associated samples were not reanalyzed.

504.1 Analysis

Samples SA3013-1, 3, 9, 11, 13, 15, 17 and 21 had high recoveries for the surrogate TCMX on both channels, which were outside of the laboratory established acceptance limits. Since a high recovery would indicate a high bias and the target analyte 1,2-dibromoethane was not detected above the PQL, the samples were not reextracted.

Samples SA3013-7 and 19 had high recoveries for the surrogate TCMX on channel A, which were outside of the laboratory established acceptance limits. Since the recovery for TCMX was acceptable on channel B, the samples were not reextracted.

The laboratory control sample and duplicate, WG40163-2 and 3, and the matrix spike WG40163-4, had high recoveries for the surrogate TCMX on both channels, which were outside of the laboratory established acceptance limits. Since the spike recoveries were acceptable, the associated samples were not reextracted.

Samples SA3013-7 and 11 were manually integrated for the surrogate TCMX. The specific reasons for the manual integrations are indicated on the raw data by the manual integration codes (M1-M11). These codes are further explained in the attachment following this narrative.

The matrix spike duplicate (MSD) WG40163-5 had a low recovery for the spike analyte 1,2-dibromoethane that was outside of the laboratory established acceptance limits. Since the MS had acceptable spike recovery, the MSD was not reextracted.

The CV (file 7AF083) had a high response for the surrogate TCMX on channel A, which resulted in a %D that was outside of the method acceptance limits of 15%. Since the response was acceptable on channel B, the associated samples were not reanalyzed.

8015 FL-PRO Analysis

Sample SA3013-17 had a high recovery for the surrogate o-terphenyl, which was outside of the laboratory method acceptance limits. Since the recovery for the second surrogate n-triacontane-D63 was acceptable, the sample was not reextracted.

The matrix spike sample (MS) WG40172-3 and matrix spike duplicate (MSD) WG40172-4 had high recoveries for PRO that were outside of the method acceptance limits. Since the LCS WG40172-2 had acceptable spike recovery, the MS and MSD were not reextracted.

The closing calibration verification standard (CV) (file CAF2178) had low responses for the C_{38} and C_{40} hydrocarbons, which were greater than 25%. Since the method requirement applies to only the PRO range response, which was acceptable, the associated samples were not reanalyzed.

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

Metals Analysis

The samples of SDG CTO29-1 were prepared and analyzed for metals in accordance with the "Test Methods for Evaluating Solid Wastes: Physical/Chemical Methods." SW-846. 2nd edition, 1982 (revised 1984), 3rd edition, 1986, and Updates I, II, IIA, III, IIIA and IIIB 1996, 1998 & 2004, Office of Solid Waste and Emergency Response, U.S. EPA.

Inductively-Coupled Plasma Atomic Emission Spectroscopic Analysis (ICP)

Aqueous-matrix Katahdin Sample Nos. SA3013-(1, 3, 5, 7, 9, 11, 13, 15, 17, 19, and 21) were digested for ICP analysis on 06/18/07 (QC Batches XF18ICW2 and XF18ICW3) in accordance with USEPA Method 3010A. Katahdin Sample Nos. SA3013-(1 and 21) were prepared with duplicate matrix-spiked aliquots.

ICP analyses of SDG CTO29-1 sample digestates were performed using a Thermo iCAP 6500 ICP spectrometer. All samples were analyzed within holding times and all analytical run QC criteria were met.

Analysis of Mercury by Cold Vapor Atomic Absorption (CVAA)

Aqueous-matrix Katahdin Sample Nos. SA3013-(1, 3, 5, 7, 11, 13, 15, 17, 19, and 21) was digested for mercury analysis on 06/20/07 (QC Batch XF20HGW0) in accordance with USEPA Method 7470. Katahdin Sample No. SA3013-1 were prepared with duplicate matrix-spiked aliquots.

Aqueous-matrix Katahdin Sample No. SA3013-9 was digested for mercury analysis on 06/22/07 (QC Batch XF22HGW0) in accordance with USEPA Method 7470.

Mercury analyses of SDG CTO29-1 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 recovery of aluminum in the matrix spiked aliquots of Katahdin Sample Nos. SA3013-(1 and 21) exceeds 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 Nos. SA3013-(1 and 21) are within the laboratory's acceptance limit (<20% relative difference between duplicate matrix-spiked aliquots) for all analytes.

The serial dilution analyses of Katahdin Sample Nos. SA3013-(1 and 21) exceed 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. Please note that the concentration of copper on these two samples is below the laboratory's practical quantitation limit.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package has been authorized by the Operations Manager or the Quality Assurance Officer as verified by the following signature.

Leslie Dimond
7-11-07

Leslie Dimond
Quality Assurance Officer

Katahdin Analytical Services, Inc.

Manual Integration Codes For GC/MS, GC, HPLC and/or IC

M1	Peak splitting
M2	Well defined peaks on the shoulders of the other peaks.
M3	There is additional area due to a coeluting interferant
M4	There are negative spikes in the baseline.
M5	There are rising or falling baselines.
M6	The software has failed to detect a peak or misidentified a peak.
M7	Excessive peak tailing.
M8	Analysis such as GRO, DRO and TPH require a baseline hold
M9	Peak was not completely integrated as in GC/MS.
M10	Primary ion was correctly integrated, but secondary or tertiary ion needed manual integration as in GC/MS.
M11	For GC analysis, when a sample is diluted by 1:10 or more, the surrogate is set to undetected and then the area under the surrogate is manually integrated.

Katahdin Analytical Services, Inc. **Sample Receipt Condition Report**

Client: Tetra Tech	KAS PM: ASC	Sampled By: Client
Project:	KIMS Entry By: DS	Delivered By: Fedex
KAS Work Order#: SA3013	KIMS Review By:	Received By: DYle
SDG #:	Cooler: 10 of 10	Date/Time Rec.: 6/16/07 1000

Receipt Criteria	Y	N	EX*	NA	Comments and/or Resolution
1. Custody seals present / intact?	✓				
2. Chain of Custody present in cooler?		✓			
3. Chain of Custody signed by client?				✓	
4. Chain of Custody matches samples?				✓	
5. Temperature Blanks present?	✓				Temp (°C): 9.1 DC notified Kelly Carpenter 6/18/07.
6. Samples received at < 6 °C w/o freezing? Ice or ice packs present? (Y) or N *		✓			Cooler temp. (°C): (if no temp blank) will use for MS/MSD
7. Volatiles free of headspace? **Aqueous:** No bubble larger than a pea				X	
Soil/Sediment: Received in airtight container?				X	
Received in methanol?				X	
Methanol covering soil?				X	
8. Trip Blank present in cooler?				X	
9. Proper sample containers and volume?	X				
10. Samples within hold time upon receipt?	X				
11. Aqueous samples properly preserved? Metals, COD, NH3, TKN, O/G, phenol, TPO4, N+N, TOC, DRO, TPH – pH <2	X				
Sulfide - >9				X	
Cyanide – pH >12				X	
12. Corrective Action Report Filed?				✓	

* Log-In Notes to Exceptions: document any problems with samples or discrepancies or pH adjustments

* ice had melted

One bottle for sample ~~ffs~~ OLF54-MW40-0607 for PAH was received broken

Extra bottle for MS/MSD.

0000018

Katahdin ANALYTICAL SERVICES
Scarborough, ME 04074
Tel: (207) 874-2400
Fax: (207) 775-4029

CHAIN of CUSTODY

PLEASE BEAR DOWN AND PRINT LEGIBLY IN PEN

Page ____ of ____

Client	Contact	Phone #	Fax #
Tetra-Tech NUS	Curtis Odom	(850) 570-1818	(850) 385-9

Address 3360 Capital Circle NE Ste B City Tallahassee State FL Zip Code 32308

Purchase Order # Proj. Name / No. Site 4/112600389 Katahdin Quote #

Bill (if different than above) CTO 29 Address

Sampler (Print / Sign) Curtis Odom / Curtis Odom Copies To:

LAB USE ONLY WORK ORDER #: SA3013

KATAHDIN PROJECT NUMBER ____

REMARKS: ____

SHIPPING INFO: ☐ FED EX ☐ UPS ☐ CLIENT

AIRBILL NO: ____

TEMP°C ____ ☐ TEMP BLANK ☐ INTACT ☐ NOT INTACT

*	Sample Description	Date / Time coll'd	Matrix	No. of Cntrs.	ANALYSIS AND CONTAINER TYPE PRESERVATIVES: Filt. ☐Y ☐N	VOA HCl	EDB Sodium Thiosulfate	PAHs	PCBs	TRPH HCl	SVOA	metals HNO3			
	OLFS4-MW40-0607	6-12-07 / 1100	GW	14		3	2	2	2	2	2	1			
	OLFS4-MW40-0607-MS	6-12-07 / 1100	GW	14		3	2	2	2	2	2	1			
	OLFS4-MW40-0607-MSD	6-12-07 / 1100	GW	14		3	2	2	2	2	2	1			
	OLFS4-MW37-0607	6-12-07 / 1600	GW	14		3	2	2	2	2	2	1			
	OLFS4-MW37-0607-D	6-12-07 / 1600	GW	14		3	2	2	2	2	2	1			
	OLFS4-MW39-0607	6-12-07 / 1635	GW	14		3	2	2	2	2	2	1			
	OLFS4-MW38-0607	6-13-07 / 1000	GW	14		3	2	2	2	2	2	1			
	OLFS4-MW41-0607	6-13-07 / 1055	GW	14		3	2	2	2	2	2	1			
	OLFS4-MW45-0607	6-13-07 / 1445	GW	14		3	2	2	2	2	2	1			
	OLFS4-MW46-0607	6-13-07 / 1430	GW	14		3	2	2	2	2	2	1			
	OLFS4-MW44-0607	6-13-07 / 1720	GW	14		3	2	2	2	2	2	1			
	OLFS4-MW42-0607	6-14-07 / 1025	GW	14		3	2	2	2	2	2	1			
	OLFS4-MW43-0607	6-14-07 / 1030	GW	14		3	2	2	2	2	2	1			
	trip blank	/	W	2		2									
		/													
		/													

OMMENTS

Relinquished By: (Signature)	Date / Time	Received By: (Signature)	Relinquished By: (Signature)	Date / Time	Received By: (Signature
Curtis Odom	6-14-07 1300	06/15/07 1010			
Relinquished By: (Signature)	Date / Time	Received By: (Signature)	Relinquished By: (Signature)	Date / Time	Received By: (Signature
					0000019

THE TERMS AND CONDITIONS ON THE REVERSE SIDE HEREOF SHALL GOVERN

ORIGINAL

FORM 4
VOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE ID

WG40398-BLANK

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 0029 NAS PENSACOLA SDG No.: CTO29-1

Lab File ID: T6634 Lab Sample ID: WG40398-2

Date Analyzed: 06/24/07 Time Analyzed: 0000

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) N

Instrument ID: GCMS-T

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	WG40398-LCS	WG40398-1	T6632	06/23/07	2255
02	OLFS4-MW40-0607	SA3013-1	T6643	06/24/07	0452
03	OLFS4-MW37-0607	SA3013-3	T6644	06/24/07	0525
04	OLFS4-MW37-0607-D	SA3013-5	T6645	06/24/07	0557
05	OLFS4-MW39-0607	SA3013-7	T6646	06/24/07	0630
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COMMENTS:

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client:
Project: CTO 0029 NAS Pensacola
PO No:
Sample Date:
Received Date:
Extraction Date:
Analysis Date: 24-JUN-2007 00:00
Report Date: 07/09/2007
Matrix: WATER
% Solids: NA

Lab ID: WG40398-2
Client ID: WG40398-Blank
SDG: CTO29-1
Extracted by:
Extraction Method: SW846 5030
Analyst: JSS
Analysis Method: SW846 8260B
Lab Prep Batch: WG40398
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	0.4	1.0	1	1	0.4
74-87-3	Chloromethane	U	0.6	1.0	1	1	0.6
75-01-4	Vinyl chloride	U	0.4	1.0	1	1	0.4
74-83-9	Bromomethane	U	0.9	1.0	1	1	0.9
75-00-3	Chloroethane	U	0.5	1.0	1	1	0.5
75-69-4	Trichlorofluoromethane	U	0.4	1.0	1	1	0.4
75-35-4	1,1-Dichloroethene	U	0.4	1.0	1	1	0.4
75-09-2	Methylene Chloride	U	0.4	1.0	5	5	0.4
156-60-5	trans-1,2-Dichloroethene	U	0.5	1.0	1	1	0.5
75-34-3	1,1-Dichloroethane	U	0.4	1.0	1	1	0.4
67-66-3	Chloroform	U	0.4	1.0	1	1	0.4
71-55-6	1,1,1-Trichloroethane	U	0.4	1.0	1	1	0.4
107-06-2	1,2-Dichloroethane	U	0.3	1.0	1	1	0.3
56-23-5	Carbon Tetrachloride	U	0.4	1.0	1	1	0.4
71-43-2	Benzene	U	0.4	1.0	1	1	0.4
78-87-5	1,2-Dichloropropane	U	0.5	1.0	1	1	0.5
79-01-6	Trichloroethene	U	0.5	1.0	1	1	0.5
74-95-3	Dibromomethane	U	0.4	1.0	1	1	0.4
75-27-4	Bromodichloromethane	U	0.3	1.0	1	1	0.3
10061-01-5	cis-1,3-dichloropropene	U	0.4	1.0	1	1	0.4
108-88-3	Toluene	U	0.3	1.0	1	1	0.3
10061-02-6	trans-1,3-Dichloropropene	U	0.2	1.0	1	1	0.2
79-00-5	1,1,2-Trichloroethane	U	0.4	1.0	1	1	0.4
124-48-1	Dibromochloromethane	U	0.3	1.0	1	1	0.3
127-18-4	Tetrachloroethene	U	0.5	1.0	1	1	0.5
106-93-4	1,2-Dibromoethane	U	0.3	1.0	1	1	0.3
108-90-7	Chlorobenzene	U	0.4	1.0	1	1	0.4
630-20-6	1,1,1,2-Tetrachloroethane	U	0.5	1.0	1	1	0.5
100-41-4	Ethylbenzene	U	0.4	1.0	1	1	0.4
75-25-2	Bromoform	U	0.3	1.0	1	1	0.3
100-42-5	Styrene	U	0.3	1.0	1	1	0.3
79-34-5	1,1,2,2-Tetrachloroethane	U	0.5	1.0	1	1	0.5
96-18-4	1,2,3-Trichloropropane	U	0.4	1.0	1	1	0.4
96-12-8	1,2-Dibromo-3-Chloropropane	U	0.7	1.0	1	1	0.7
67-64-1	Acetone	U	3	1.0	5	5	3
78-93-3	2-Butanone	U	2	1.0	5	5	2
108-10-1	4-methyl-2-pentanone	U	2	1.0	5	5	2
591-78-6	2-Hexanone	U	1	1.0	5	5	1
	m+p-Xylenes	U	1.0	1.0	2	2	1.0
95-47-6	o-Xylene	U	0.4	1.0	1	1	0.4
108-05-4	Vinyl Acetate	U	0.4	1.0	1	1	0.4
75-15-0	Carbon Disulfide	U	0.5	1.0	1	1	0.5
75-05-8	Acetonitrile	U	16	1.0	25	25	16

Sample Data Summary A0000027

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client:
Project: CTO 0029 NAS Pensacola
PO No:
Sample Date:
Received Date:
Extraction Date:
Analysis Date: 24-JUN-2007 00:00
Report Date: 07/09/2007
Matrix: WATER
% Solids: NA

Lab ID: WG40398-2
Client ID: WG40398-Blank
SDG: CTO29-1
Extracted by:
Extraction Method: SW846 5030
Analyst: JSS
Analysis Method: SW846 8260B
Lab Prep Batch: WG40398
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
107-02-8	Acrolein	U	3	1.0	10	10	3
107-13-1	Acrylonitrile	U	2	1.0	5	5	2
126-99-8	Chloroprene	U	0.3	1.0	1	1	0.3
107-05-1	Allyl Chloride	U	0.5	1.0	1	1	0.5
123-91-1	1,4-Dioxane	U	12	1.0	20	20	12
107-12-0	Propionitrile	U	5	1.0	10	10	5
97-63-2	Ethyl Methacrylate	U	0.3	1.0	1	1	0.3
74-88-4	Iodomethane	U	0.4	1.0	1	1	0.4
78-83-1	Isobutyl Alcohol	U	10	1.0	20	20	10
126-98-7	Methacrylonitrile	U	3	1.0	10	10	3
80-62-6	Methyl Methacrylate	U	0.3	1.0	1	1	0.3
76-01-1	Pentachloroethane	U	0.3	1.0	1	1	0.3
110-57-6	trans-1,4-Dichloro-2-Butene	U	0.5	1.0	1	1	0.5
120-82-1	1,2,4-Trichlorobenzene	U	0.3	1.0	1	1	0.3
95-50-1	1,2-Dichlorobenzene	U	0.4	1.0	1	1	0.4
541-73-1	1,3-Dichlorobenzene	U	0.4	1.0	1	1	0.4
106-46-7	1,4-Dichlorobenzene	U	0.5	1.0	1	1	0.5
156-59-2	cis-1,2-Dichloroethene	U	0.3	1.0	1	1	0.3
1634-04-4	Methyl tert-butyl ether	U	0.6	1.0	1	1	0.6
1330-20-7	Xylenes (total)	U	1	1.0	3	3	1
76-13-1	Freon-113	U	0.4	1.0	1	1	0.4
1735-17-7	Cyclohexane	U	0.6	1.0	1	1	0.6
98-82-8	Isopropylbenzene	U	0.5	1.0	1	1	0.5
79-20-9	Methyl Acetate	U	0.9	1.0	1	1	0.9
108-87-2	Methylcyclohexane	U	0.3	1.0	1	1	0.3
1868-53-7	Dibromofluoromethane		87%				
17060-07-0	1,2-Dichloroethane-D4		89%				
2037-26-5	Toluene-D8		88%				
460-00-4	P-Bromofluorobenzene		91%				

KATAHDIN ANALYTICAL SERVICES
LAB CONTROL SAMPLE

Client:
Project: CTO 0029 NAS Pensacola
PO No:
Sample Date:
Received Date:
Extraction Date:
Analysis Date: 06/23/07
Report Date: 07/09/2007
Matrix: WATER

Lab ID: WG40398-1
Client ID: WG40398-LCS
SDG: CTO29-1
Extracted by:
Extraction Method: SW846 5030
Analyst: JSS
Analysis Method: SW846 8260B
Lab Prep Batch: WG40398
Units: ug/l

COMPOUND	LCS SPIKE	SAMPLE CONC.	LCS CONC.	%REC.	QC. LIMITS
Dichlorodifluoromethane	50	NA	95	* 190	20-143
Chloromethane	50	NA	55	111	34-132
Vinyl chloride	50	NA	60	120	48-136
Bromomethane	50	NA	55	110	52-129
Chloroethane	50	NA	56	113	43-146
Trichlorofluoromethane	50	NA	64	129	62-157
Diethyl Ether	50	NA	47	94	74-141
Tertiary-butyl alcohol	250	NA	252	101	10-152
1,1-Dichloroethene	50	NA	46	93	64-126
Carbon Disulfide	50	NA	40	81	59-136
Freon-113	50	NA	46	93	78-140
Iodomethane	50	NA	63	* 126	54-107
Acrolein	250	NA	241	96	42-156
Methylene Chloride	50	NA	48	97	63-122
Acetone	50	NA	54	108	15-160
Isobutyl Alcohol	1000	NA	1180	118	10-169
trans-1,2-Dichloroethene	50	NA	46	91	65-128
Allyl Chloride	50	NA	45	90	64-150
Methyl tert-butyl ether	100	NA	101	101	71-140
Acetonitrile	500	NA	568	114	40-164
Di-isopropyl ether	50	NA	47	93	77-135
Chloroprene	50	NA	46	91	82-133
Methacrylonitrile	500	NA	501	100	69-146
Propionitrile	500	NA	500	100	51-161
1,1-Dichloroethane	50	NA	48	95	74-135
Acrylonitrile	250	NA	252	101	67-144
Ethyl tertiary-butyl ether	50	NA	48	97	79-136
Vinyl Acetate	50	NA	66	132	57-139
cis-1,2-Dichloroethene	50	NA	43	86	75-117
1,2-Dichloroethylene (total)	100	NA	89	89	72-121
Methyl Methacrylate	50	NA	52	103	71-136
2,2-Dichloropropane	50	NA	49	98	55-140
Bromochloromethane	50	NA	48	97	80-132
Chloroform	50	NA	46	93	80-125
Carbon Tetrachloride	50	NA	59	118	76-123
Tetrahydrofuran	50	NA	46	92	38-157
1,1,1-Trichloroethane	50	NA	48	95	79-125
1,1-Dichloropropene	50	NA	51	102	80-125
2-Butanone	50	NA	53	106	45-184
Benzene	50	NA	48	96	71-125
Cyclohexane	50	NA	51	101	57-128
Ethyl Methacrylate	50	NA	53	106	73-134
Tertiary-amyl methyl ether	50	NA	49	98	78-133
1,2-Dichloroethane	50	NA	50	99	75-125
Trichloroethene	50	NA	47	94	78-118

Sample Data Summary A0000034

KATAHDIN ANALYTICAL SERVICES
LAB CONTROL SAMPLE

Client:
Project: CTO 0029 NAS Pensacola
PO No:
Sample Date:
Received Date:
Extraction Date:
Analysis Date: 06/23/07
Report Date: 07/09/2007
Matrix: WATER

Lab ID: WG40398-1
Client ID: WG40398-LCS
SDG: CTO29-1
Extracted by:
Extraction Method: SW846 5030
Analyst: JSS
Analysis Method: SW846 8260B
Lab Prep Batch: WG40398
Units: ug/l

COMPOUND	LCS SPIKE	SAMPLE CONC.	LCS CONC.	%REC.	QC. LIMITS
Dibromomethane	50	NA	49	98	73-125
1,2-Dichloropropane	50	NA	48	96	78-127
Bromodichloromethane	50	NA	46	92	76-118
cis-1,3-dichloropropene	50	NA	51	102	84-125
1,4-Dioxane	1000	NA	1010	101	10-178
2-Chloroethylvinylether	50	NA	51	102	20-191
Toluene	50	NA	49	98	79-118
4-methyl-2-pentanone	50	NA	58	115	44-157
Tetrachloroethene	50	NA	52	103	71-137
trans-1,3-Dichloropropene	50	NA	54	108	89-137
1,1,2-Trichloroethane	50	NA	50	100	76-125
Dibromochloromethane	50	NA	54	108	77-119
1,3-Dichloropropane	50	NA	52	104	79-122
1,2-Dibromoethane	50	NA	52	105	78-124
2-Hexanone	50	NA	61	122	27-182
Chlorobenzene	50	NA	49	98	81-118
Ethylbenzene	50	NA	50	99	80-115
1,1,1,2-Tetrachloroethane	50	NA	52	105	79-118
Xylenes (total)	150	NA	154	103	85-114
m+p-Xylenes	100	NA	101	101	87-113
o-Xylene	50	NA	53	106	80-118
Styrene	50	NA	52	104	81-116
Bromoform	50	NA	57	115	69-129
Isopropylbenzene	50	NA	57	114	87-129
cis-1,4-Dichloro-2-Butene	50	NA	51	101	60-133
trans-1,4-Dichloro-2-Butene	50	NA	55	111	67-134
Bromobenzene	50	NA	49	97	83-112
N-Propylbenzene	50	NA	52	103	79-121
1,1,2,2-Tetrachloroethane	50	NA	54	108	68-133
1,3,5-Trimethylbenzene	50	NA	51	103	80-117
2-Chlorotoluene	50	NA	50	101	86-113
1,2,3-Trichloropropane	50	NA	53	105	63-133
4-Chlorotoluene	50	NA	51	102	84-117
tert-Butylbenzene	50	NA	52	104	78-122
Pentachloroethane	50	NA	48	97	64-135
1,2,4-Trimethylbenzene	50	NA	52	103	78-116
P-Isopropyltoluene	50	NA	54	107	79-123
1,3-Dichlorobenzene	50	NA	48	97	86-111
1,4-Dichlorobenzene	50	NA	56	111	78-118
N-Butylbenzene	50	NA	51	103	76-119
sec-Butylbenzene	50	NA	51	102	77-121
1,2-Dichlorobenzene	50	NA	51	101	86-113
1,2-Dibromo-3-Chloropropane	50	NA	52	104	63-133
1,3,5-Trichlorobenzene	50	NA	48	95	84-118
Hexachlorobutadiene	50	NA	43	86	70-114

KATAHDIN ANALYTICAL SERVICES
LAB CONTROL SAMPLE

Client:
Project: CTO 0029 NAS Pensacola
PO No:
Sample Date:
Received Date:
Extraction Date:
Analysis Date: 06/23/07
Report Date: 07/09/2007
Matrix: WATER

Lab ID: WG40398-1
Client ID: WG40398-LCS
SDG: CTO29-1
Extracted by:
Extraction Method: SW846 5030
Analyst: JSS
Analysis Method: SW846 8260B
Lab Prep Batch: WG40398
Units: ug/l

COMPOUND	LCS SPIKE	SAMPLE CONC.	LCS CONC.	%REC.	QC. LIMITS
1,2,4-Trichlorobenzene	50	NA	50	100	74-116
1,2,3-Trimethylbenzene	50	NA	49	97	85-124
Naphthalene	50	NA	52	105	64-121
1,2,3-Trichlorobenzene	50	NA	51	102	73-117
Methyl Acetate	50	NA	47	94	52-142
Methylcyclohexane	50	NA	47	94	83-125
1-Chlorohexane	50	NA	45	90	78-128
Total Alkylbenzenes	350	NA	363	104	60-140

FORM 4
VOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE ID

WG40451-BLANK

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 0029 NAS PENSACOLA SDG No.: CTO29-1

Lab File ID: S5297 Lab Sample ID: WG40451-2

Date Analyzed: 06/25/07 Time Analyzed: 1120

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) N

Instrument ID: GCMS-S

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	WG40451-LCS	WG40451-1	S5295	06/25/07	1007
02	OLFS4-MW40-0607MS	WG40451-3	S5312	06/25/07	1914
03	OLFS4-MW40-0607MSD	WG40451-4	S5313	06/25/07	1945
04					
05					
06					
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COMMENTS:

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client:
Project: CTO 0029 NAS Pensacola
PO No:
Sample Date:
Received Date:
Extraction Date:
Analysis Date: 25-JUN-2007 11:20
Report Date: 07/09/2007
Matrix: WATER
% Solids: NA

Lab ID: WG40451-2
Client ID: WG40451-Blank
SDG: CTO29-1
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG40451
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	0.4	1.0	1	1	0.4
74-87-3	Chloromethane	U	0.6	1.0	1	1	0.6
75-01-4	Vinyl chloride	U	0.4	1.0	1	1	0.4
74-83-9	Bromomethane	U	0.9	1.0	1	1	0.9
75-00-3	Chloroethane	U	0.5	1.0	1	1	0.5
75-69-4	Trichlorofluoromethane	U	0.4	1.0	1	1	0.4
75-35-4	1,1-Dichloroethene	U	0.4	1.0	1	1	0.4
75-09-2	Methylene Chloride	U	0.4	1.0	5	5	0.4
156-60-5	trans-1,2-Dichloroethene	U	0.5	1.0	1	1	0.5
75-34-3	1,1-Dichloroethane	U	0.4	1.0	1	1	0.4
67-66-3	Chloroform	U	0.4	1.0	1	1	0.4
71-55-6	1,1,1-Trichloroethane	U	0.4	1.0	1	1	0.4
107-06-2	1,2-Dichloroethane	U	0.3	1.0	1	1	0.3
56-23-5	Carbon Tetrachloride	U	0.4	1.0	1	1	0.4
71-43-2	Benzene	U	0.4	1.0	1	1	0.4
78-87-5	1,2-Dichloropropane	U	0.5	1.0	1	1	0.5
79-01-6	Trichloroethene	U	0.5	1.0	1	1	0.5
74-95-3	Dibromomethane	U	0.4	1.0	1	1	0.4
75-27-4	Bromodichloromethane	U	0.3	1.0	1	1	0.3
10061-01-5	cis-1,3-dichloropropene	U	0.4	1.0	1	1	0.4
108-88-3	Toluene	U	0.3	1.0	1	1	0.3
10061-02-6	trans-1,3-Dichloropropene	U	0.2	1.0	1	1	0.2
79-00-5	1,1,2-Trichloroethane	U	0.4	1.0	1	1	0.4
124-48-1	Dibromochloromethane	U	0.3	1.0	1	1	0.3
127-18-4	Tetrachloroethene	U	0.5	1.0	1	1	0.5
106-93-4	1,2-Dibromoethane	U	0.3	1.0	1	1	0.3
108-90-7	Chlorobenzene	U	0.4	1.0	1	1	0.4
630-20-6	1,1,1,2-Tetrachloroethane	U	0.5	1.0	1	1	0.5
100-41-4	Ethylbenzene	U	0.4	1.0	1	1	0.4
75-25-2	Bromoform	U	0.3	1.0	1	1	0.3
100-42-5	Styrene	U	0.3	1.0	1	1	0.3
79-34-5	1,1,2,2-Tetrachloroethane	U	0.5	1.0	1	1	0.5
96-18-4	1,2,3-Trichloropropane	U	0.4	1.0	1	1	0.4
96-12-8	1,2-Dibromo-3-Chloropropane	U	0.7	1.0	1	1	0.7
67-64-1	Acetone	U	3	1.0	5	5	3
78-93-3	2-Butanone	U	2	1.0	5	5	2
108-10-1	4-methyl-2-pentanone	U	2	1.0	5	5	2
591-78-6	2-Hexanone	U	1	1.0	5	5	1
	m+p-Xylenes	U	1.0	1.0	2	2	1.0
95-47-6	o-Xylene	U	0.4	1.0	1	1	0.4
108-05-4	Vinyl Acetate	U	0.4	1.0	1	1	0.4
75-15-0	Carbon Disulfide	U	0.5	1.0	1	1	0.5
75-05-8	Acetonitrile	U	16	1.0	25	25	16

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client:
Project: CTO 0029 NAS Pensacola
PO No:
Sample Date:
Received Date:
Extraction Date:
Analysis Date: 25-JUN-2007 11:20
Report Date: 07/09/2007
Matrix: WATER
% Solids: NA

Lab ID: WG40451-2
Client ID: WG40451-Blank
SDG: CTO29-1
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG40451
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
107-02-8	Acrolein	U	3	1.0	10	10	3
107-13-1	Acrylonitrile	U	2	1.0	5	5	2
126-99-8	Chloroprene	U	0.3	1.0	1	1	0.3
107-05-1	Allyl Chloride	U	0.5	1.0	1	1	0.5
123-91-1	1,4-Dioxane	U	12	1.0	20	20	12
107-12-0	Propionitrile	U	5	1.0	10	10	5
97-63-2	Ethyl Methacrylate	U	0.3	1.0	1	1	0.3
74-88-4	Iodomethane	U	0.4	1.0	1	1	0.4
78-83-1	Isobutyl Alcohol	U	10	1.0	20	20	10
126-98-7	Methacrylonitrile	U	3	1.0	10	10	3
80-62-6	Methyl Methacrylate	U	0.3	1.0	1	1	0.3
76-01-1	Pentachloroethane	U	0.3	1.0	1	1	0.3
110-57-6	trans-1,4-Dichloro-2-Butene	U	0.5	1.0	1	1	0.5
120-82-1	1,2,4-Trichlorobenzene	U	0.3	1.0	1	1	0.3
95-50-1	1,2-Dichlorobenzene	U	0.4	1.0	1	1	0.4
541-73-1	1,3-Dichlorobenzene	U	0.4	1.0	1	1	0.4
106-46-7	1,4-Dichlorobenzene	U	0.5	1.0	1	1	0.5
156-59-2	cis-1,2-Dichloroethene	U	0.3	1.0	1	1	0.3
1634-04-4	Methyl tert-butyl ether	U	0.6	1.0	1	1	0.6
1330-20-7	Xylenes (total)	U	1	1.0	3	3	1
76-13-1	Freon-113	U	0.4	1.0	1	1	0.4
1735-17-7	Cyclohexane	U	0.6	1.0	1	1	0.6
98-82-8	Isopropylbenzene	U	0.5	1.0	1	1	0.5
79-20-9	Methyl Acetate	U	0.9	1.0	1	1	0.9
108-87-2	Methylcyclohexane	U	0.3	1.0	1	1	0.3
1868-53-7	Dibromofluoromethane		95%				
17060-07-0	1,2-Dichloroethane-D4		101%				
2037-26-5	Toluene-D8		91%				
460-00-4	P-Bromofluorobenzene		94%				

KATAHDIN ANALYTICAL SERVICES
LAB CONTROL SAMPLE

Client:
Project: CTO 0029 NAS Pensacola
PO No:
Sample Date:
Received Date:
Extraction Date:
Analysis Date: 06/25/07
Report Date: 07/09/2007
Matrix: WATER

Lab ID: WG40451-1
Client ID: WG40451-LCS
SDG: CTO29-1
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG40451
Units: ug/l

COMPOUND	LCS SPIKE	SAMPLE CONC.	LCS CONC.	%REC.	QC. LIMITS
Dichlorodifluoromethane	50	NA	69	137	20-143
Chloromethane	50	NA	52	105	34-132
Vinyl chloride	50	NA	53	106	48-136
Bromomethane	50	NA	64	128	52-129
Chloroethane	50	NA	68	136	43-146
Trichlorofluoromethane	50	NA	60	120	62-157
Diethyl Ether	50	NA	55	109	74-141
Tertiary-butyl alcohol	250	NA	248	99	10-152
1,1-Dichloroethene	50	NA	48	95	64-126
Carbon Disulfide	50	NA	45	90	59-136
Freon-113	50	NA	51	102	78-140
Iodomethane	50	NA	49	98	54-107
Acrolein	250	NA	290	116	42-156
Methylene Chloride	50	NA	51	101	63-122
Acetone	50	NA	57	114	15-160
Isobutyl Alcohol	1000	NA	891	89	10-169
trans-1,2-Dichloroethene	50	NA	50	100	65-128
Allyl Chloride	50	NA	51	102	64-150
Methyl tert-butyl ether	100	NA	107	107	71-140
Acetonitrile	500	NA	622	124	40-164
Di-isopropyl ether	50	NA	53	105	77-135
Chloroprene	50	NA	55	109	82-133
Methacrylonitrile	500	NA	599	120	69-146
Propionitrile	500	NA	543	109	51-161
1,1-Dichloroethane	50	NA	56	112	74-135
Acrylonitrile	250	NA	286	114	67-144
Ethyl tertiary-butyl ether	50	NA	52	104	79-136
Vinyl Acetate	50	NA	74	* 148	87-139
cis-1,2-Dichloroethene	50	NA	49	99	75-117
1,2-Dichloroethylene (total)	100	NA	100	100	72-121
Methyl Methacrylate	50	NA	53	107	71-136
2,2-Dichloropropane	50	NA	52	105	55-140
Bromochloromethane	50	NA	58	116	80-132
Chloroform	50	NA	54	109	80-125
Carbon Tetrachloride	50	NA	53	106	76-123
Tetrahydrofuran	50	NA	47	94	38-157
1,1,1-Trichloroethane	50	NA	52	103	79-125
1,1-Dichloropropene	50	NA	52	104	80-125
2-Butanone	50	NA	54	108	45-184
Benzene	50	NA	51	103	71-125
Cyclohexane	50	NA	55	111	57-128
Ethyl Methacrylate	50	NA	51	101	73-134
Tertiary-amyl methyl ether	50	NA	50	100	78-133
1,2-Dichloroethane	50	NA	56	113	75-125
Trichloroethene	50	NA	52	105	78-118

KATAHDIN ANALYTICAL SERVICES
LAB CONTROL SAMPLE

Client:
Project: CTO 0029 NAS Pensacola
PO No:
Sample Date:
Received Date:
Extraction Date:
Analysis Date: 06/25/07
Report Date: 07/09/2007
Matrix: WATER

Lab ID: WG40451-1
Client ID: WG40451-LCS
SDG: CTO29-1
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG40451
Units: ug/l

COMPOUND	LCS SPIKE	SAMPLE CONC.	LCS CONC.	%REC.	QC. LIMITS
Dibromomethane	50	NA	54	108	73-125
1,2-Dichloropropane	50	NA	55	110	78-127
Bromodichloromethane	50	NA	54	108	76-118
cis-1,3-dichloropropene	50	NA	54	108	84-125
1,4-Dioxane	1000	NA	772	77	10-178
2-Chloroethylvinylether	50	NA	45	90	20-191
Toluene	50	NA	53	107	79-118
4-methyl-2-pentanone	50	NA	57	114	44-157
Tetrachloroethene	50	NA	51	102	71-137
trans-1,3-Dichloropropene	50	NA	63	126	89-137
1,1,2-Trichloroethane	50	NA	54	109	76-125
Dibromochloromethane	50	NA	55	111	77-119
1,3-Dichloropropane	50	NA	56	112	79-122
1,2-Dibromoethane	50	NA	57	113	78-124
2-Hexanone	50	NA	51	103	27-182
Chlorobenzene	50	NA	51	103	81-118
Ethylbenzene	50	NA	52	104	80-115
1,1,1,2-Tetrachloroethane	50	NA	54	108	79-118
Xylenes (total)	150	NA	160	107	85-114
m+p-Xylenes	100	NA	110	110	87-113
o-Xylene	50	NA	50	101	80-118
Styrene	50	NA	49	97	81-116
Bromoform	50	NA	58	116	69-129
Isopropylbenzene	50	NA	60	119	87-129
cis-1,4-Dichloro-2-Butene	50	NA	58	117	60-133
trans-1,4-Dichloro-2-Butene	50	NA	54	108	67-134
Bromobenzene	50	NA	51	102	83-112
N-Propylbenzene	50	NA	56	111	79-121
1,1,2,2-Tetrachloroethane	50	NA	53	107	68-133
1,3,5-Trimethylbenzene	50	NA	54	109	80-117
2-Chlorotoluene	50	NA	55	109	86-113
1,2,3-Trichloropropane	50	NA	57	114	63-133
4-Chlorotoluene	50	NA	55	111	84-117
tert-Butylbenzene	50	NA	55	110	78-122
Pentachloroethane	50	NA	52	103	64-135
1,2,4-Trimethylbenzene	50	NA	54	108	78-116
P-Isopropyltoluene	50	NA	51	102	79-123
1,3-Dichlorobenzene	50	NA	52	103	86-111
1,4-Dichlorobenzene	50	NA	50	100	78-118
N-Butylbenzene	50	NA	45	90	76-119
sec-Butylbenzene	50	NA	54	109	77-121
1,2-Dichlorobenzene	50	NA	53	106	86-113
1,2-Dibromo-3-Chloropropane	50	NA	60	120	63-133
1,3,5-Trichlorobenzene	50	NA	50	100	84-118
Hexachlorobutadiene	50	NA	45	90	70-114

KATAHDIN ANALYTICAL SERVICES
LAB CONTROL SAMPLE

Client:
Project: CTO 0029 NAS Pensacola
PO No:
Sample Date:
Received Date:
Extraction Date:
Analysis Date: 06/25/07
Report Date: 07/09/2007
Matrix: WATER

Lab ID: WG40451-1
Client ID: WG40451-LCS
SDG: CTO29-1
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG40451
Units: ug/l

COMPOUND	LCS SPIKE	SAMPLE CONC.	LCS CONC.	%REC.	QC. LIMITS
1,2,4-Trichlorobenzene	50	NA	49	98	74-116
1,2,3-Trimethylbenzene	50	NA	53	107	85-124
Naphthalene	50	NA	50	99	64-121
1,2,3-Trichlorobenzene	50	NA	48	97	73-117
Methyl Acetate	50	NA	48	97	52-142
Methylcyclohexane	50	NA	53	105	83-125
1-Chlorohexane	50	NA	47	94	78-128
Total Alkylbenzenes	350	NA	370	106	60-140

FORM 4
VOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE ID

WG40493-BLANK

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 0029 NAS PENSACOLA SDG No.: CTO29-1

Lab File ID: S5331 Lab Sample ID: WG40493-2

Date Analyzed: 06/26/07 Time Analyzed: 0919

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) N

Instrument ID: GCMS-S

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	WG40493-LCS	WG40493-1	S5329	06/26/07	0805
02	TRIP BLANK	SA3013-23	S5332	06/26/07	1002
03	OLFS4-MW38-0607	SA3013-9	S5335	06/26/07	1135
04	OLFS4-MW41-0607	SA3013-11	S5336	06/26/07	1206
05	OLFS4-MW45-0607	SA3013-13	S5337	06/26/07	1237
06	OLFS4-MW46-0607	SA3013-15	S5338	06/26/07	1308
07	OLFS4-MW44-0607	SA3013-17	S5339	06/26/07	1339
08	OLFS4-MW42-0607	SA3013-19	S5340	06/26/07	1410
09	OLFS4-MW43-0607	SA3013-21	S5341	06/26/07	1441
10					
11					
12					
13					
14					
15					
16					
17					
18					
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21					
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23					
24					
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28					
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30					

COMMENTS:

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client:
Project: CTO 0029 NAS Pensacola
PO No:
Sample Date:
Received Date:
Extraction Date:
Analysis Date: 26-JUN-2007 09:19
Report Date: 07/09/2007
Matrix: WATER
% Solids: NA

Lab ID: WG40493-2
Client ID: WG40493-Blank
SDG: CTO29-1
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG40493
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	0.4	1.0	1	1	0.4
74-87-3	Chloromethane	U	0.6	1.0	1	1	0.6
75-01-4	Vinyl chloride	U	0.4	1.0	1	1	0.4
74-83-9	Bromomethane	U	0.9	1.0	1	1	0.9
75-00-3	Chloroethane	U	0.5	1.0	1	1	0.5
75-69-4	Trichlorofluoromethane	U	0.4	1.0	1	1	0.4
75-35-4	1,1-Dichloroethene	U	0.4	1.0	1	1	0.4
75-09-2	Methylene Chloride	U	0.4	1.0	5	5	0.4
156-60-5	trans-1,2-Dichloroethene	U	0.5	1.0	1	1	0.5
75-34-3	1,1-Dichloroethane	U	0.4	1.0	1	1	0.4
67-66-3	Chloroform	U	0.4	1.0	1	1	0.4
71-55-6	1,1,1-Trichloroethane	U	0.4	1.0	1	1	0.4
107-06-2	1,2-Dichloroethane	U	0.3	1.0	1	1	0.3
56-23-5	Carbon Tetrachloride	U	0.4	1.0	1	1	0.4
71-43-2	Benzene	U	0.4	1.0	1	1	0.4
78-87-5	1,2-Dichloropropane	U	0.5	1.0	1	1	0.5
79-01-6	Trichloroethene	U	0.5	1.0	1	1	0.5
74-95-3	Dibromomethane	U	0.4	1.0	1	1	0.4
75-27-4	Bromodichloromethane	U	0.3	1.0	1	1	0.3
10061-01-5	cis-1,3-dichloropropene	U	0.4	1.0	1	1	0.4
108-88-3	Toluene	U	0.3	1.0	1	1	0.3
10061-02-6	trans-1,3-Dichloropropene	U	0.2	1.0	1	1	0.2
79-00-5	1,1,2-Trichloroethane	U	0.4	1.0	1	1	0.4
124-48-1	Dibromochloromethane	U	0.3	1.0	1	1	0.3
127-18-4	Tetrachloroethene	U	0.5	1.0	1	1	0.5
106-93-4	1,2-Dibromoethane	U	0.3	1.0	1	1	0.3
108-90-7	Chlorobenzene	U	0.4	1.0	1	1	0.4
630-20-6	1,1,1,2-Tetrachloroethane	U	0.5	1.0	1	1	0.5
100-41-4	Ethylbenzene	U	0.4	1.0	1	1	0.4
75-25-2	Bromoform	U	0.3	1.0	1	1	0.3
100-42-5	Styrene	U	0.3	1.0	1	1	0.3
79-34-5	1,1,2,2-Tetrachloroethane	U	0.5	1.0	1	1	0.5
96-18-4	1,2,3-Trichloropropane	U	0.4	1.0	1	1	0.4
96-12-8	1,2-Dibromo-3-Chloropropane	U	0.7	1.0	1	1	0.7
67-64-1	Acetone	U	3	1.0	5	5	3
78-93-3	2-Butanone	U	2	1.0	5	5	2
108-10-1	4-methyl-2-pentanone	U	2	1.0	5	5	2
591-78-6	2-Hexanone	U	1	1.0	5	5	1
	m+p-Xylenes	U	1.0	1.0	2	2	1.0
95-47-6	o-Xylene	U	0.4	1.0	1	1	0.4
108-05-4	Vinyl Acetate	U	0.4	1.0	1	1	0.4
75-15-0	Carbon Disulfide	U	0.5	1.0	1	1	0.5
75-05-8	Acetonitrile	U	16	1.0	25	25	16

Sample Data Summary A0000031

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client:
Project: CTO 0029 NAS Pensacola
PO No:
Sample Date:
Received Date:
Extraction Date:
Analysis Date: 26-JUN-2007 09:19
Report Date: 07/09/2007
Matrix: WATER
% Solids: NA

Lab ID: WG40493-2
Client ID: WG40493-Blank
SDG: CTO29-1
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG40493
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
107-02-8	Acrolein	U	3	1.0	10	10	3
107-13-1	Acrylonitrile	U	2	1.0	5	5	2
126-99-8	Chloroprene	U	0.3	1.0	1	1	0.3
107-05-1	Allyl Chloride	U	0.5	1.0	1	1	0.5
123-91-1	1,4-Dioxane	U	12	1.0	20	20	12
107-12-0	Propionitrile	U	5	1.0	10	10	5
97-63-2	Ethyl Methacrylate	U	0.3	1.0	1	1	0.3
74-88-4	Iodomethane	U	0.4	1.0	1	1	0.4
78-83-1	Isobutyl Alcohol	U	10	1.0	20	20	10
126-98-7	Methacrylonitrile	U	3	1.0	10	10	3
80-62-6	Methyl Methacrylate	U	0.3	1.0	1	1	0.3
76-01-1	Pentachloroethane	U	0.3	1.0	1	1	0.3
110-57-6	trans-1,4-Dichloro-2-Butene	U	0.5	1.0	1	1	0.5
120-82-1	1,2,4-Trichlorobenzene	U	0.3	1.0	1	1	0.3
95-50-1	1,2-Dichlorobenzene	U	0.4	1.0	1	1	0.4
541-73-1	1,3-Dichlorobenzene	U	0.4	1.0	1	1	0.4
106-46-7	1,4-Dichlorobenzene	U	0.5	1.0	1	1	0.5
156-59-2	cis-1,2-Dichloroethene	U	0.3	1.0	1	1	0.3
1634-04-4	Methyl tert-butyl ether	U	0.6	1.0	1	1	0.6
1330-20-7	Xylenes (total)	U	1	1.0	3	3	1
76-13-1	Freon-113	U	0.4	1.0	1	1	0.4
1735-17-7	Cyclohexane	U	0.6	1.0	1	1	0.6
98-82-8	Isopropylbenzene	U	0.5	1.0	1	1	0.5
79-20-9	Methyl Acetate	U	0.9	1.0	1	1	0.9
108-87-2	Methylcyclohexane	U	0.3	1.0	1	1	0.3
1868-53-7	Dibromofluoromethane		87%				
17060-07-0	1,2-Dichloroethane-D4		92%				
2037-26-5	Toluene-D8		89%				
460-00-4	P-Bromofluorobenzene		96%				

KATAHDIN ANALYTICAL SERVICES
LAB CONTROL SAMPLE

Client:
Project: CTO 0029 NAS Pensacola
PO No:
Sample Date:
Received Date:
Extraction Date:
Analysis Date: 06/26/07
Report Date: 07/09/2007
Matrix: WATER

Lab ID: WG40493-1
Client ID: WG40493-LCS
SDG: CTO29-1
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG40493
Units: ug/l

COMPOUND	LCS SPIKE	SAMPLE CONC.	LCS CONC.		%REC.	QC. LIMITS
Dichlorodifluoromethane	50	NA	66		132	20-143
Chloromethane	50	NA	50		100	34-132
Vinyl chloride	50	NA	51		102	48-136
Bromomethane	50	NA	42		85	52-129
Chloroethane	50	NA	59		118	43-146
Trichlorofluoromethane	50	NA	56		112	62-157
Diethyl Ether	50	NA	55		111	74-141
Tertiary-butyl alcohol	250	NA	213		85	10-152
1,1-Dichloroethene	50	NA	44		89	64-126
Carbon Disulfide	50	NA	41		81	59-136
Freon-113	50	NA	51		102	78-140
Iodomethane	50	NA	44		89	54-107
Acrolein	250	NA	312		125	42-156
Methylene Chloride	50	NA	46		92	63-122
Acetone	50	NA	54		107	15-160
Isobutyl Alcohol	1000	NA	757		76	10-169
trans-1,2-Dichloroethene	50	NA	46		93	65-128
Allyl Chloride	50	NA	48		97	64-150
Methyl tert-butyl ether	100	NA	112		112	71-140
Acetonitrile	500	NA	501		100	40-164
Di-isopropyl ether	50	NA	55		110	77-135
Chloroprene	50	NA	52		104	82-133
Methacrylonitrile	500	NA	649		130	69-146
Propionitrile	500	NA	584		117	51-161
1,1-Dichloroethane	50	NA	49		97	74-135
Acrylonitrile	250	NA	318		127	67-144
Ethyl tertiary-butyl ether	50	NA	55		109	79-136
Vinyl Acetate	50	NA	74	*	149	57-139
cis-1,2-Dichloroethene	50	NA	47		94	75-117
1,2-Dichloroethylene (total)	100	NA	94		94	72-121
Methyl Methacrylate	50	NA	60		119	71-136
2,2-Dichloropropane	50	NA	51		101	55-140
Bromochloromethane	50	NA	54		107	80-132
Chloroform	50	NA	50		99	80-125
Carbon Tetrachloride	50	NA	50		100	76-123
Tetrahydrofuran	50	NA	56		111	38-157
1,1,1-Trichloroethane	50	NA	49		97	79-125
1,1-Dichloropropene	50	NA	50		101	80-125
2-Butanone	50	NA	56		112	45-184
Benzene	50	NA	49		97	71-125
Cyclohexane	50	NA	53		106	57-128
Ethyl Methacrylate	50	NA	59		118	73-134
Tertiary-amyl methyl ether	50	NA	56		112	78-133
1,2-Dichloroethane	50	NA	52		104	75-125
Trichloroethene	50	NA	49		99	78-118

KATAHDIN ANALYTICAL SERVICES
LAB CONTROL SAMPLE

Client:
Project: CTO 0029 NAS Pensacola
PO No:
Sample Date:
Received Date:
Extraction Date:
Analysis Date: 06/26/07
Report Date: 07/09/2007
Matrix: WATER

Lab ID: WG40493-1
Client ID: WG40493-LCS
SDG: CTO29-1
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG40493
Units: ug/l

COMPOUND	LCS SPIKE	SAMPLE CONC.	LCS CONC.		%REC.	QC. LIMITS
Dibromomethane	50	NA	54		107	73-125
1,2-Dichloropropane	50	NA	50		101	78-127
Bromodichloromethane	50	NA	49		98	76-118
cis-1,3-dichloropropene	50	NA	51		103	84-125
1,4-Dioxane	1000	NA	687		69	10-178
2-Chloroethylvinylether	50	NA	58		116	20-191
Toluene	50	NA	51		102	79-118
4-methyl-2-pentanone	50	NA	63		126	44-157
Tetrachloroethene	50	NA	49		99	71-137
trans-1,3-Dichloropropene	50	NA	62		124	89-137
1,1,2-Trichloroethane	50	NA	56		111	76-125
Dibromochloromethane	50	NA	53		106	77-119
1,3-Dichloropropane	50	NA	53		107	79-122
1,2-Dibromoethane	50	NA	59		118	78-124
2-Hexanone	50	NA	58		116	27-182
Chlorobenzene	50	NA	48		96	81-118
Ethylbenzene	50	NA	48		95	80-115
1,1,1,2-Tetrachloroethane	50	NA	50		101	79-118
Xylenes (total)	150	NA	149		99	85-114
m+p-Xylenes	100	NA	101		101	87-113
o-Xylene	50	NA	48		95	80-118
Styrene	50	NA	45		90	81-116
Bromoform	50	NA	57		113	69-129
Isopropylbenzene	50	NA	54		109	87-129
cis-1,4-Dichloro-2-Butene	50	NA	63		127	60-133
trans-1,4-Dichloro-2-Butene	50	NA	57		115	67-134
Bromobenzene	50	NA	46		93	83-112
N-Propylbenzene	50	NA	50		101	79-121
1,1,2,2-Tetrachloroethane	50	NA	53		106	68-133
1,3,5-Trimethylbenzene	50	NA	50		99	80-117
2-Chlorotoluene	50	NA	48		96	86-113
1,2,3-Trichloropropane	50	NA	54		107	63-133
4-Chlorotoluene	50	NA	49		97	84-117
tert-Butylbenzene	50	NA	51		101	78-122
Pentachloroethane	50	NA	51		102	64-135
1,2,4-Trimethylbenzene	50	NA	50		99	78-116
P-Isopropyltoluene	50	NA	50		99	79-123
1,3-Dichlorobenzene	50	NA	47		95	86-111
1,4-Dichlorobenzene	50	NA	46		91	78-118
N-Butylbenzene	50	NA	45		91	76-119
sec-Butylbenzene	50	NA	52		103	77-121
1,2-Dichlorobenzene	50	NA	49		98	86-113
1,2-Dibromo-3-Chloropropane	50	NA	73	*	146	63-133
1,3,5-Trichlorobenzene	50	NA	56		112	84-118
Hexachlorobutadiene	50	NA	54		108	70-114

KATAHDIN ANALYTICAL SERVICES
LAB CONTROL SAMPLE

Client:
Project: CTO 0029 NAS Pensacola
PO No:
Sample Date:
Received Date:
Extraction Date:
Analysis Date: 06/26/07
Report Date: 07/09/2007
Matrix: WATER

Lab ID: WG40493-1
Client ID: WG40493-LCS
SDG: CTO29-1
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG40493
Units: ug/l

COMPOUND	LCS SPIKE	SAMPLE CONC.	LCS CONC.		%REC.	QC. LIMITS
1,2,4-Trichlorobenzene	50	NA	56		111	74-116
1,2,3-Trimethylbenzene	50	NA	53		106	85-124
Naphthalene	50	NA	64	*	128	64-121
1,2,3-Trichlorobenzene	50	NA	61	*	122	73-117
Methyl Acetate	50	NA	52		104	52-142
Methylcyclohexane	50	NA	54		108	83-125
1-Chlorohexane	50	NA	53		106	78-128
Total Alkylbenzenes	350	NA	347		99	60-140

FORM 2
WATER VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 0029 NAS PENSACOLA SDG No.: CTO29-1

	CLIENT SAMPLE ID	LAB SAMPLE ID	SMC1 DBF#	SMC2 DCA#	SMC3 TOL#	SMC4 BFB#	TOT OUT
01	WG40398-LCS	WG40398-1	82	80	90	93	0
02	WG40398-BLANK	WG40398-2	87	89	88	91	0
03	OLFS4-MW40-0607	SA3013-1	92	96	92	96	0
04	OLFS4-MW37-0607	SA3013-3	96	105	94	103	0
05	OLFS4-MW37-0607-D	SA3013-5	100	111	95	101	0
06	OLFS4-MW39-0607	SA3013-7	99	111	95	104	0
07	WG40451-LCS	WG40451-1	88	88	89	99	0
08	WG40451-BLANK	WG40451-2	95	101	91	94	0
09	OLFS4-MW40-0607MS	WG40451-3	82	78	90	99	0
10	OLFS4-MW40-0607MSD	WG40451-4	80	75	90	99	0
11	WG40493-LCS	WG40493-1	82	83	88	100	0
12	WG40493-BLANK	WG40493-2	87	92	89	96	0
13	TRIP BLANK	SA3013-23	87	92	87	92	0
14	OLFS4-MW38-0607	SA3013-9	91	100	90	94	0
15	OLFS4-MW41-0607	SA3013-11	92	100	90	96	0
16	OLFS4-MW45-0607	SA3013-13	93	102	89	93	0
17	OLFS4-MW46-0607	SA3013-15	98	108	91	100	0
18	OLFS4-MW44-0607	SA3013-17	93	105	91	92	0
19	OLFS4-MW42-0607	SA3013-19	96	107	91	93	0
20	OLFS4-MW43-0607	SA3013-21	97	110	91	94	0
21							
22							
23							
24							
25							
26							
27							
28							

	QC LIMITS
SMC1 (DBF) = Dibromofluoromethane	(64-133)
SMC2 (DCA) = 1,2-Dichloroethane-D4	(63-148)
SMC3 (TOL) = Toluene-D8	(78-121)
SMC4 (BFB) = P-Bromofluorobenzene	(81-117)

Column to be used to flag recovery values

J Values outside of contract required QC limits

D System Monitoring Compound diluted out

KATAHDIN ANALYTICAL SERVICES

MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Client: Tetra Tech NUS, Inc
Project: CTO 0029 NAS Pensacola
PO No:
Sample Date: 06/12/07
Received Date: 06/15/07
Extraction Date:
Analysis Date: 06/25/07
Report Date: 07/09/2007
Matrix: WATER

Lab ID: WG40451-3 & WG40451-4
Client ID: OLFS4-MW40-0607MS & OLFS4-MW40-0607MSD
SDG: CTO29-1
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG40451
Units: ug/l

COMPOUND	MS SPIKE	MSD SPIKE	SAMPLE CONC.	MS CONC.	MSD CONC.	MS %REC.	MSD %REC.	%RPD	%RPD LIMIT	QC. LIMITS
Dichlorodifluoromethane	50	50	0.00	67	62	133	124	7	20	20-143
Chloromethane	50	50	0.00	45	46	91	93	2	20	34-132
Vinyl chloride	50	50	0.00	48	48	96	95	0.8	20	48-136
Bromomethane	50	50	0.00	47	42	94	85	10	20	52-129
Chloroethane	50	50	0.00	61	54	122	108	12	20	43-146
Trichlorofluoromethane	50	50	0.00	56	50	111	99	11	20	62-157
1,1-Dichloroethene	50	50	0.00	45	41	91	81	11	20	64-126
Methylene Chloride	50	50	0.00	43	40	86	80	7	20	63-122
trans-1,2-Dichloroethene	50	50	0.00	48	42	95	85	12	20	65-128
1,1-Dichloroethane	50	50	0.00	48	44	96	89	8	20	74-135
Chloroform	50	50	0.00	51	47	101	93	8	20	80-125
1,1,1-Trichloroethane	50	50	0.00	49	46	99	91	8	20	79-125
1,2-Dichloroethane	50	50	0.00	50	46	100	92	9	20	75-125
Carbon Tetrachloride	50	50	0.00	50	48	101	96	5	20	76-123
Benzene	50	50	0.00	51	49	101	97	4	20	71-125
1,2-Dichloropropane	50	50	0.00	51	49	102	99	4	20	78-127
Trichloroethene	50	50	0.00	51	49	102	97	4	20	78-118
Dibromomethane	50	50	0.00	54	52	109	105	4	20	73-125
Bromodichloromethane	50	50	0.00	49	46	99	92	6	20	76-118
cis-1,3-dichloropropene	50	50	0.00	51	47	102	95	7	20	84-125
Toluene	50	50	0.00	54	51	107	102	5	20	79-118
trans-1,3-Dichloropropene	50	50	0.00	60	57	120	114	5	20	89-137
1,1,2-Trichloroethane	50	50	0.00	56	52	111	104	6	20	76-125
Dibromochloromethane	50	50	0.00	55	51	109	102	7	20	77-119
Tetrachloroethene	50	50	0.00	52	49	103	97	6	20	71-137
1,2-Dibromoethane	50	50	0.00	61	57	122	114	7	20	78-124
Chlorobenzene	50	50	0.00	49	47	98	94	4	20	81-118
1,1,1,2-Tetrachloroethane	50	50	0.00	51	47	102	95	7	20	79-118
Ethylbenzene	50	50	0.00	50	47	101	94	7	20	80-115
Bromoform	50	50	0.00	59	55	119	110	8	20	69-129
Styrene	50	50	0.00	48	45	96	89	7	20	81-116
1,1,2,2-Tetrachloroethane	50	50	0.00	54	52	108	104	4	20	68-133
1,2,3-Trichloropropane	50	50	0.00	54	50	109	101	8	20	63-133
1,2-Dibromo-3-Chloropropane	50	50	0.00	73	65	* 147	130	12	20	63-133
Acetone	50	50	3.5	43	38	79	70	11	20	15-160
2-Butanone	50	50	0.00	55	47	110	95	15	20	45-184
4-methyl-2-pentanone	50	50	0.00	63	56	126	113	12	20	44-157
2-Hexanone	50	50	0.00	58	51	116	102	13	20	27-182
m+p-Xylenes	100	100	0.00	108	101	108	101	7	20	87-113
o-Xylene	50	50	0.00	50	47	100	93	7	20	80-118
Vinyl Acetate	50	50	0.00	65	59	129	117	10	20	57-139
Carbon Disulfide	50	50	0.00	38	36	77	71	7	20	59-136
Acetonitrile	500	500	0.00	400	390	80	78	2	20	40-164
Acrolein	250	250	0.00	243	224	97	90	8	20	42-156
Acrylonitrile	250	250	0.00	266	264	106	106	0.8	20	67-144

FORM III VOA-1
S5312.D & S5313.D

Sample Data Summary A0000043

KATAHDIN ANALYTICAL SERVICES
MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Client: Tetra Tech NUS, Inc
Project: CTO 0029 NAS Pensacola
PO No:
Sample Date: 06/12/07
Received Date: 06/15/07
Extraction Date:
Analysis Date: 06/25/07
Report Date: 07/09/2007
Matrix: WATER

Lab ID: WG40451-3 & WG40451-4
Client ID: OLFS4-MW40-0607MS & OLFS4-MW40-0607MSD
SDG: CTO29-1
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG40451
Units: ug/l

COMPOUND	MS SPIKE	MSD SPIKE	SAMPLE CONC.	MS CONC.	MSD CONC.	MS %REC.	MSD %REC.	%RPD	%RPD LIMIT	QC. LIMITS
Chloroprene	50	50	0.00	48	46	96	93	4	20	82-133
Allyl Chloride	50	50	0.00	40	38	81	77	5	20	64-150
1,4-Dioxane	1000	1000	0.00	128	544	13	54	* 120	20	10-178
Propionitrile	500	500	0.00	487	453	97	91	7	20	51-161
Ethyl Methacrylate	50	50	0.00	55	54	110	107	3	20	73-134
Iodomethane	50	50	0.00	43	42	86	83	3	20	54-107
Isobutyl Alcohol	1000	1000	0.00	464	435	46	44	6	20	10-169
Methacrylonitrile	500	500	0.00	581	555	116	111	4	20	69-146
Methyl Methacrylate	50	50	0.00	53	54	106	107	0.8	20	71-136
Pentachloroethane	50	50	0.00	48	48	96	95	0.4	20	64-135
trans-1,4-Dichloro-2-Butene	50	50	0.00	48	46	97	92	4	20	67-134
1,2,4-Trichlorobenzene	50	50	0.00	56	56	113	112	0.5	20	74-116
1,2-Dichlorobenzene	50	50	0.00	51	49	101	98	3	20	86-113
1,3-Dichlorobenzene	50	50	0.00	49	47	97	94	4	20	86-111
1,4-Dichlorobenzene	50	50	0.00	48	46	97	92	5	20	78-118
cis-1,2-Dichloroethene	50	50	0.00	50	46	101	92	9	20	75-117
Methyl tert-butyl ether	100	100	0.00	110	102	110	102	8	20	71-140
Xylenes (total)	150	150	0.00	158	147	105	98	7	20	85-114
Freon-113	50	50	0.00	48	48	97	95	2	20	78-140
Cyclohexane	50	50	0.00	57	53	115	107	7	20	57-128
Isopropylbenzene	50	50	0.00	58	56	116	112	3	20	87-129
Methyl Acetate	50	50	0.00	47	41	94	82	14	30	52-142
Methylcyclohexane	50	50	0.00	53	53	106	105	0.8	30	83-125

FORM III VOA-1
S5312.D & S5313.D

FORM 5
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 0029 NAS PENSACOLA SDG No.: CTO29-1

Lab File ID: SB518 BFB Injection Date: 06/22/07

Instrument ID: GCMS-S BFB Injection Time: 0748

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	23.1
75	30.0 - 60.0% of mass 95	52.7
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	5.0
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	Greater than 50.0% of mass 95	82.8
175	5.0 - 9.0% of mass 174	6.6 (8.0)1
176	95.0 - 101.0% of mass 174	80.4 (97.1)1
177	5.0 - 9.0% of mass 176	4.0 (5.0)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01		VSTD200S22A	S5235	06/22/07	1039
02		VSTD100S22A	S5236	06/22/07	1110
03		VSTD050S22A	S5237	06/22/07	1141
04		VSTD020S22A	S5238	06/22/07	1212
05		VSTD005S22A	S5239	06/22/07	1244
06		VSTD001S22A	S5240	06/22/07	1314
07					
08					
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FORM 6
VOLATILE INITIAL CALIBRATION DATA

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project CTO 0029 NAS PENSACOLA SDG No.: CTO29-1

Instrument ID: GCMS-S Calibration Date(s): 06/22/07 06/22/07

Column: RTX-VMS ID: 0.18 (mm) Calibration Time(s): 1039 1418

LAB FILE ID: RF1: S5240 RF5: S5239 RF20: S5238
RF50: S5237 RF100: S5236 RF200: S5235

								COEFFICENTS		%RSD	MAX %RSD	
COMPOUND	RF1	RF5	RF20	RF50	RF100	RF200	CURVE	A0	A1	OR R^2	OR R^2	
Dichlorodifluoromethane	0.685	0.798	0.813	0.784	0.790	0.810	AVRG		0.78002136	6.126	15.000	
Chloromethane	1.393	1.394	1.372	1.314	1.327	1.232	AVRG		1.33871147	4.617	15.000	
Vinyl chloride	1.096	1.069	1.117	1.088	1.006	1.064	AVRG		1.07320488	3.578	15.000	
Bromomethane	5932	25123	106430	249410	445340	799720	LINR	-6.48e-002	2.19130652	0.99732	0.99000	
Chloroethane	5428	26271	109830	248040	409960	702180	LINR	-0.1110840	2.48047751	0.99118	0.99000	
Trichlorofluoromethane	0.958	1.034	1.054	1.054	1.073	1.123	AVRG		1.04910144	5.139	15.000	
1,1-Dichloroethene	0.683	0.662	0.687	0.668	0.674	0.672	AVRG		0.67464213	1.389	15.000	
Methylene Chloride	9113	38340	153610	371610	723830	1417600	LINR	-4.04e-003	1.24555662	0.99990	0.99000	
trans-1,2-Dichloroethene	0.690	0.738	0.720	0.723	0.713	0.723	AVRG		0.71793895	2.222	15.000	
1,1-Dichloroethane	1.596	1.435	1.486	1.455	1.466	1.515	AVRG		1.49215317	3.864	15.000	
Chloroform	1.180	1.203	1.237	1.200	1.217	1.239	AVRG		1.21276426	1.872	15.000	
1,1,1-Trichloroethane	0.934	0.938	0.948	0.940	0.945	0.979	AVRG		0.94729691	1.729	15.000	
1,2-Dichloroethane	0.674	0.637	0.615	0.603	0.633	0.681	AVRG		0.64036742	4.906	15.000	
Carbon Tetrachloride	0.383	0.440	0.464	0.446	0.469	0.477	AVRG		0.44660011	7.677	15.000	
Benzene	1.497	1.564	1.664	1.596	1.653	1.670	AVRG		1.60724517	4.267	15.000	
1,2-Dichloropropane	0.387	0.463	0.458	0.463	0.463	0.466	AVRG		0.45012774	6.853	15.000	
Trichloroethene	0.362	0.393	0.415	0.396	0.408	0.408	AVRG		0.39717686	4.753	15.000	
Dibromomethane	0.251	0.241	0.252	0.239	0.243	0.246	AVRG		0.24540899	2.182	15.000	
Bromodichloromethane	0.550	0.574	0.594	0.581	0.599	0.617	AVRG		0.58601633	3.946	15.000	
cis-1,3-dichloropropene	5371	39889	193390	490680	979390	1898600	LINR	1.413e-002	1.45428828	0.99993	0.99000	
Toluene	0.724	0.839	0.889	0.888	0.898	0.900	AVRG		0.85617886	8.008	15.000	
trans-1,3-Dichloropropene	0.403	0.464	0.523	0.496	0.547	0.567	AVRG		0.49987135	11.998	15.000	
1,1,2-Trichloroethane	0.250	0.272	0.270	0.257	0.267	0.270	AVRG		0.26437121	3.245	15.000	
Dibromochloromethane	0.362	0.395	0.425	0.418	0.428	0.439	AVRG		0.41121585	6.852	15.000	
Tetrachloroethene	0.258	0.298	0.335	0.315	0.312	0.315	AVRG		0.30569731	8.454	15.000	
1,2-Dibromoethane	0.223	0.264	0.288	0.278	0.296	0.301	AVRG		0.27508015	10.362	15.000	
Chlorobenzene	1.069	1.074	1.100	1.076	1.093	1.083	AVRG		1.08245085	1.097	15.000	
1,1,1,2-Tetrachloroethane	0.330	0.393	0.374	0.383	0.394	0.401	AVRG		0.37907302	6.772	15.000	
Ethylbenzene	1.970	2.012	2.115	2.115	2.176	2.043	AVRG		2.07188375	3.704	15.000	
Bromoform	0.205	0.235	0.257	0.241	0.258	0.264	AVRG		0.24327983	8.926	15.000	
Styrene	5395	51254	250040	648660	1336300	2567000	LINR	1.721e-002	0.87947397	0.99988	0.99000	
1,1,2,2-Tetrachloroethane	1.061	1.057	1.056	0.949	0.937	0.930	AVRG		0.99811276	6.589	15.000	
1,2,3-Trichloropropane	0.766	0.852	0.857	0.781	0.749	0.725	AVRG		0.78842000	6.906	15.000	
1,2-Dibromo-3-Chloropropa	675	3184	12671	28845	60550	122160	LINR	-1.14e-002	8.73271526	0.99970	0.99000	
Acetone	0.324	0.229	0.242	0.210	0.226	0.250	AVRG		0.24698042	16.293	15.000	<-
2-Butanone	0.256	0.286	0.330	0.291	0.312	0.327	AVRG		0.30039013	9.390	15.000	
4-methyl-2-pentanone	0.285	0.377	0.415	0.391	0.407	0.396	AVRG		0.37871596	12.573	15.000	
2-Hexanone	10281	75977	402120	934140	1986900	3849500	LINR	9.273e-002	2.93888826	0.99958	0.99000	
m+p-Xylenes	0.458	0.617	0.654	0.652	0.671	0.659	AVRG		0.61852960	13.067	15.000	
o-Xylene	3450	29663	149800	385800	766640	1469500	LINR	7.384e-003	1.53791387	0.99997	0.99000	
Vinyl Acetate	0.708	0.763	0.856	0.836	0.900	0.950	AVRG		0.83563159	10.579	15.000	
Carbon Disulfide	2.495	2.320	2.361	2.285	2.317	2.349	AVRG		2.35437241	3.140	15.000	
Acetonitrile	1363	5336	36901	85170	182580	340790	LINR	9.603e-002	51.2017095	0.99943	0.99000	
Acrolein	0.097	0.103	0.106	0.109	0.112	0.118	AVRG		0.10744622	6.954	15.000	

FORM 6
VOLATILE INITIAL CALIBRATION DATA

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project CTO 0029 NAS PENSACOLA SDG No.: CTO29-1

Instrument ID: GCMS-S Calibration Date(s): 06/22/07 06/22/07

Column: RTX-VMS ID: 0.18 (mm) Calibration Time(s): 1039 1418

LAB FILE ID: RF1: S5240 RF5: S5239 RF20: S5238
RF50: S5237 RF100: S5236 RF200: S5235

COMPOUND	RF1	RF5	RF20	RF50	RF100	RF200	CURVE	COEFFICENTS A0	COEFFICENTS A1	%RSD OR R^2	MAX %RSD OR R^2	
Acrylonitrile	0.204	0.181	0.174	0.174	0.178	0.188	AVRG		0.18333854	6.300	15.000	
Chloroprene	1.286	1.200	1.248	1.312	1.334	1.371	AVRG		1.29178548	4.752	15.000	
Allyl Chloride	1.475		1.533	1.606	1.625	1.639	AVRG		1.57549099	4.407	15.000	
1,4-Dioxane	0.004	0.004	0.004	0.004	0.003	0.002	AVRG		3.63e-003	20.970	15.000	<-
Propionitrile	0.076	0.076	0.074	0.072	0.072	0.071	AVRG		7.364e-002	2.751	15.000	
Ethyl Methacrylate	2411	21189	115990	314920	652730	1266900	LINR	3.247e-002	2.17085928	0.99968	0.99000	
Iodomethane	3520	21338	103070	259390	540420	1256200	LINR	9.009e-002	1.41024750	0.99195	0.99000	
Isobutyl Alcohol	0.025	0.027	0.024	0.025	0.026	0.021	AVRG		2.473e-002	8.341	15.000	
Methacrylonitrile	0.383	0.447	0.468	0.459	0.465	0.466	AVRG		0.44791965	7.303	15.000	
Methyl Methacrylate	2770	19264	105460	273560	564070	1111400	LINR	3.233e-002	2.48198974	0.99959	0.99000	
Pentachloroethane	0.588	0.756	0.661	0.715	0.683	0.665	AVRG		0.67792418	8.389	15.000	
trans-1,4-Dichloro-2-Bute	834	7805	32766	79908	178410	361820	LINR	1.916e-002	2.93125433	0.99953	0.99000	
1,2,4-Trichlorobenzene	0.552	0.573	0.572	0.598	0.608		AVRG		0.58056970	3.832	15.000	
1,2-Dichlorobenzene	1.302	1.590	1.523	1.527	1.464	1.467	AVRG		1.47879746	6.651	15.000	
1,3-Dichlorobenzene	1.451	1.710	1.651	1.599	1.554	1.550	AVRG		1.58591485	5.657	15.000	
1,4-Dichlorobenzene	1.768	1.642	1.564	1.564	1.549	1.549	AVRG		1.60609266	5.409	15.000	
cis-1,2-Dichloroethene	0.580	0.653	0.722	0.712	0.709	0.728	AVRG		0.68401301	8.441	15.000	
Methyl tert-butyl ether	1.477	1.549	1.615	1.610	1.673	1.710	AVRG		1.60573571	5.222	15.000	
Xylenes (total)							AVRG				0.000	
Freon-113	0.434	0.409	0.431	0.434	0.436	0.429	AVRG		0.42898143	2.321	15.000	
Cyclohexane	0.835	0.984	1.106	1.114	1.127	1.131	AVRG		1.04933785	11.306	15.000	
Isopropylbenzene	2.225	2.834	3.143	3.121	3.019	2.939	AVRG		2.88024637	11.838	15.000	
Methyl Acetate	0.767	0.692	0.742	0.712	0.734	0.770	AVRG		0.73604113	4.145	15.000	
Methylcyclohexane	0.559	0.552	0.663	0.706	0.704	0.693	AVRG		0.64620126	11.103	15.000	
Dibromofluoromethane	0.406	0.456	0.448	0.458	0.469	0.521	AVRG		0.45989682	8.031	15.000	
1,2-Dichloroethane-D4	0.763	0.741	0.655	0.660	0.698	0.804	AVRG		0.72014009	8.265	15.000	
Toluene-D8	0.984	1.173	1.168	1.228	1.267	1.352	AVRG		1.19526825	10.366	15.000	
P-Bromofluorobenzene	0.291	0.364	0.384	0.401	0.434		AVRG		0.37467492	14.235	15.000	

Average %RSD test result.

Calculate Average %RSD: 11.18824387
Maximum Average %RSD: 15.00000000

Note: Passes Average %RSD Test.

FORM VI VOA

FORM 5

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 0029 NAS PENSACOLA SDG No.: CTO29-1

Lab File ID: SB521 BFB Injection Date: 06/25/07

Instrument ID: GCMS-S BFB Injection Time: 0851

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	26.7
75	30.0 - 60.0% of mass 95	52.5
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.2
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	Greater than 50.0% of mass 95	76.2
175	5.0 - 9.0% of mass 174	5.4 (7.1)1
176	95.0 - 101.0% of mass 174	72.9 (95.6)1
177	5.0 - 9.0% of mass 176	4.9 (6.8)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01		VSTD050S25A	S5294	06/25/07	0926
02	WG40451-LCS	WG40451-1	S5295	06/25/07	1007
03	WG40451-BLANK	WG40451-2	S5297	06/25/07	1120
04	OLFS4-MW40-0607MS	WG40451-3	S5312	06/25/07	1914
05	OLFS4-MW40-0607MSD	WG40451-4	S5313	06/25/07	1945
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FORM 7B
VOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 0029 NAS PENSACOLA SDG No.: CTO29-1

Instrument ID: GCMS-S Calibration Date: 06/25/07 Time: 0926

Lab File ID: S5294 Init. Calib. Date(s): 06/22/07 06/22/07

Init. Calib. Times: 1039 1418

GC Column: RTX-VMS ID: 0.18 (mm)

COMPOUND	RRF or AMOUNT	RRF50.000 or AMOUNT	CCAL RRF50.000	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE
Dichlorodifluoromethane	0.7800000	0.8384200	0.8384200	0.01	7.49		AVRG
Chloromethane	1.3390000	1.2123000	1.2123000	0.1	-9.46		AVRG
Vinyl chloride	1.0730000	1.1047000	1.1047000	0.01	2.95	20.00	AVRG
Bromomethane	55.638000	50.000000	0.5373900	0.01	11.28		LINR
Chloroethane	68.323000	50.000000	0.5956700	0.01	36.65		LINR
Trichlorofluoromethane	1.0490000	1.1531000	1.1531000	0.01	9.92		AVRG
1,1-Dichloroethene	0.6740000	0.6645300	0.6645300	0.1	-1.40	20.00	AVRG
Methylene Chloride	52.571000	50.000000	0.8473800	0.01	5.14		LINR
trans-1,2-Dichloroethene	0.7180000	0.7095000	0.7095000	0.01	-1.18		AVRG
1,1-Dichloroethane	1.4920000	1.6348000	1.6348000	0.1	9.57		AVRG
Chloroform	1.2130000	1.2680000	1.2680000	0.01	4.53	20.00	AVRG
1,1,1-Trichloroethane	0.9470000	1.0025000	1.0025000	0.01	5.86		AVRG
1,2-Dichloroethane	0.6400000	0.7053000	0.7053000	0.01	10.20		AVRG
Carbon Tetrachloride	0.4460000	0.4678400	0.4678400	0.01	4.90		AVRG
Benzene	1.6070000	1.6567000	1.6567000	0.01	3.09		AVRG
1,2-Dichloropropane	0.4500000	0.4868400	0.4868400	0.01	8.19	20.00	AVRG
Trichloroethene	0.3970000	0.4011100	0.4011100	0.01	1.04		AVRG
Dibromomethane	0.2450000	0.2600400	0.2600400	0.01	6.14		AVRG
Bromodichloromethane	0.5860000	0.6358500	0.6358500	0.01	8.51		AVRG
cis-1,3-dichloropropene	50.979000	50.000000	0.6913600	0.01	1.96		LINR
Toluene	0.8560000	0.8815000	0.8815000	0.01	2.98	20.00	AVRG
trans-1,3-Dichloropropene	0.5000000	0.5681000	0.5681000	0.01	13.62		AVRG
1,1,2-Trichloroethane	0.2640000	0.2782900	0.2782900	0.01	5.41		AVRG
Dibromochloromethane	0.4110000	0.4259300	0.4259300	0.01	3.63		AVRG
Tetrachloroethene	0.3060000	0.2951700	0.2951700	0.01	-3.54		AVRG
1,2-Dibromoethane	0.2750000	0.2991900	0.2991900	0.01	8.80		AVRG
Chlorobenzene	1.0820000	1.0485000	1.0485000	0.3	-3.10		AVRG
1,1,1,2-Tetrachloroethane	0.3790000	0.3933500	0.3933500	0.01	3.79		AVRG
Ethylbenzene	2.0720000	2.1070000	2.1070000	0.01	1.69	20.00	AVRG

FORM 7B
VOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 0029 NAS PENSACOLA SDG No.: CTO29-1

Instrument ID: GCMS-S Calibration Date: 06/25/07 Time: 0926

Lab File ID: S5294 Init. Calib. Date(s): 06/22/07 06/22/07

Init. Calib. Times: 1039 1418

GC Column: RTX-VMS ID: 0.18 (mm)

COMPOUND	RRF or AMOUNT	RRF50.000 or AMOUNT	CCAL RRF50.000	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE
Bromoform	0.2430000	0.2583300	0.2583300	0.1	6.31		AVRG
Styrene	47.227000	50.000000	1.0544000	0.01	-5.55		LINR
1,1,2,2-Tetrachloroethane	0.9980000	0.9984200	0.9984200	0.3	0.04		AVRG
1,2,3-Trichloropropane	0.7880000	0.8299400	0.8299400	0.01	5.32		AVRG
1,2-Dibromo-3-Chloropropane	64.038000	50.000000	0.1479700	0.01	28.08		LINR
Acetone	0.2470000	0.2406700	0.2406700	0.01	-2.56		AVRG
2-Butanone	0.3000000	0.3333100	0.3333100	0.01	11.10		AVRG
4-methyl-2-pentanone	0.3780000	0.4532800	0.4532800	0.01	19.92		AVRG
2-Hexanone	258.34000	250.00000	0.3453100	0.01	3.34		LINR
m+p-Xylenes	0.6180000	0.6359900	0.6359900	0.01	2.91		AVRG
o-Xylene	47.993000	50.000000	0.6193300	0.01	-4.01		LINR
Vinyl Acetate	0.8360000	0.9060800	0.9060800	0.01	8.38		AVRG
Carbon Disulfide	2.3540000	2.3838000	2.3838000	0.01	1.26		AVRG
Acetonitrile	575.57000	500.00000	2.23e-002	0.01	15.11		LINR
Acrolein	0.1080000	0.1117800	0.1117800	0.01	3.50		AVRG
Acrylonitrile	0.1830000	0.2035700	0.2035700	0.01	11.24		AVRG
Chloroprene	1.2920000	1.3486000	1.3486000	0.01	4.38		AVRG
Allyl Chloride	1.5760000	1.5187000	1.5187000	0.01	-3.64		AVRG
1,4-Dioxane	4.e-003	2.05e-003	2.05e-003	0.001	-48.75		AVRG
Propionitrile	7.4e-002	7.57e-002	7.57e-002	0.01	2.30		AVRG
Ethyl Methacrylate	48.096000	50.000000	0.4281500	0.01	-3.81		LINR
Iodomethane	42.524000	50.000000	0.5391800	0.01	-14.95		LINR
Isobutyl Alcohol	2.5e-002	1.89e-002	1.89e-002	0.01	-24.40		AVRG
Methacrylonitrile	0.4480000	0.5171800	0.5171800	0.01	15.44		AVRG
Methyl Methacrylate	49.255000	50.000000	0.3838800	0.01	-1.49		LINR
Pentachloroethane	0.6780000	0.6902700	0.6902700	0.01	1.81		AVRG
trans-1,4-Dichloro-2-Butene	48.857000	50.000000	0.3268200	0.01	-2.29		LINR
1,2,4-Trichlorobenzene	0.5810000	0.5003600	0.5003600	0.01	-13.88		AVRG
1,2-Dichlorobenzene	1.4790000	1.4666000	1.4666000	0.01	-0.84		AVRG

FORM 7B
VOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 0029 NAS PENSACOLA SDG No.: CTO29-1

Instrument ID: GCMS-S Calibration Date: 06/25/07 Time: 0926

Lab File ID: S5294 Init. Calib. Date(s): 06/22/07 06/22/07

Init. Calib. Times: 1039 1418

GC Column: RTX-VMS ID: 0.18 (mm)

COMPOUND	RRF or AMOUNT	RRF50.000 or AMOUNT	CCAL RRF50.000	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE	
1,3-Dichlorobenzene	1.5860000	1.5734000	1.5734000	0.01	-0.79		AVRG	
1,4-Dichlorobenzene	1.6060000	1.5143000	1.5143000	0.01	-5.71		AVRG	
cis-1,2-Dichloroethene	0.6840000	0.7000900	0.7000900	0.01	2.35		AVRG	
Methyl tert-butyl ether	1.6060000	1.5746000	1.5746000	0.01	-1.96		AVRG	
Xylenes (total)	0.0000000	0.6304400	0.6304400	0.01	0.00		AVRG	<
Freon-113	0.4290000	0.4182600	0.4182600	0.01	-2.50		AVRG	
Cyclohexane	1.0500000	1.1532000	1.1532000	0.01	9.83		AVRG	
Isopropylbenzene	2.8800000	3.0530000	3.0530000	0.01	6.01		AVRG	
Methyl Acetate	0.7360000	0.7791200	0.7791200	0.01	5.86		AVRG	
Methylcyclohexane	0.6460000	0.6464600	0.6464600	0.01	0.07		AVRG	
Dibromofluoromethane	0.4600000	0.3964700	0.3964700	0.01	-13.81		AVRG	
1,2-Dichloroethane-D4	0.7200000	0.6198800	0.6198800	0.01	-13.91		AVRG	
Toluene-D8	1.1950000	1.0523000	1.0523000	0.01	-11.94		AVRG	
P-Bromofluorobenzene	0.3750000	0.3703400	0.3703400	0.01	-1.24		AVRG	

FORM 5
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 0029 NAS PENSACOLA SDG No.: CTO29-1

Lab File ID: SB522 BFB Injection Date: 06/26/07

Instrument ID: GCMS-S BFB Injection Time: 0614

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	29.7
75	30.0 - 60.0% of mass 95	50.7
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.1
173	Less than 2.0% of mass 174	1.0 (1.6)1
174	Greater than 50.0% of mass 95	60.6
175	5.0 - 9.0% of mass 174	4.4 (7.2)1
176	95.0 - 101.0% of mass 174	58.0 (95.7)1
177	5.0 - 9.0% of mass 176	4.7 (8.2)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01		VSTD050S26A	S5327	06/26/07	0638
02	WG40493-LCS	WG40493-1	S5329	06/26/07	0805
03	WG40493-BLANK	WG40493-2	S5331	06/26/07	0919
04	TRIP BLANK	SA3013-23	S5332	06/26/07	1002
05	OLFS4-MW38-0607	SA3013-9	S5335	06/26/07	1135
06	OLFS4-MW41-0607	SA3013-11	S5336	06/26/07	1206
07	OLFS4-MW45-0607	SA3013-13	S5337	06/26/07	1237
08	OLFS4-MW46-0607	SA3013-15	S5338	06/26/07	1308
09	OLFS4-MW44-0607	SA3013-17	S5339	06/26/07	1339
10	OLFS4-MW42-0607	SA3013-19	S5340	06/26/07	1410
11	OLFS4-MW43-0607	SA3013-21	S5341	06/26/07	1441
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FORM 7B
VOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 0029 NAS PENSACOLA SDG No.: CTO29-1

Instrument ID: GCMS-S Calibration Date: 06/26/07 Time: 0638

Lab File ID: S5327 Init. Calib. Date(s): 06/22/07 06/22/07

Init. Calib. Times: 1039 1418

GC Column: RTX-VMS ID: 0.18 (mm)

COMPOUND	RRF or AMOUNT	RRF50.000 or AMOUNT	CCAL RRF50.000	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE
Dichlorodifluoromethane	0.7800000	0.7949100	0.7949100	0.01	1.91		AVRG
Chloromethane	1.3390000	1.1398000	1.1398000	0.1	-14.88		AVRG
Vinyl chloride	1.0730000	1.0130000	1.0130000	0.01	-5.59	20.00	AVRG
Bromomethane	39.490000	50.000000	0.3900000	0.01	-21.02		LINR
Chloroethane	59.924000	50.000000	0.5279500	0.01	19.85		LINR
Trichlorofluoromethane	1.0490000	1.0508000	1.0508000	0.01	0.17		AVRG
1,1-Dichloroethene	0.6740000	0.6199100	0.6199100	0.1	-8.02	20.00	AVRG
Methylene Chloride	47.004000	50.000000	0.7579900	0.01	-5.99		LINR
trans-1,2-Dichloroethene	0.7180000	0.6595700	0.6595700	0.01	-8.14		AVRG
1,1-Dichloroethane	1.4920000	1.4189000	1.4189000	0.1	-4.90		AVRG
Chloroform	1.2130000	1.1963000	1.1963000	0.01	-1.38	20.00	AVRG
1,1,1-Trichloroethane	0.9470000	0.9179800	0.9179800	0.01	-3.06		AVRG
1,2-Dichloroethane	0.6400000	0.7072000	0.7072000	0.01	10.50		AVRG
Carbon Tetrachloride	0.4460000	0.4421500	0.4421500	0.01	-0.86		AVRG
Benzene	1.6070000	1.5849000	1.5849000	0.01	-1.38		AVRG
1,2-Dichloropropane	0.4500000	0.4584400	0.4584400	0.01	1.88	20.00	AVRG
Trichloroethene	0.3970000	0.3908200	0.3908200	0.01	-1.56		AVRG
Dibromomethane	0.2450000	0.2785400	0.2785400	0.01	13.69		AVRG
Bromodichloromethane	0.5860000	0.6093800	0.6093800	0.01	3.99		AVRG
cis-1,3-dichloropropene	52.466000	50.000000	0.7118300	0.01	4.93		LINR
Toluene	0.8560000	0.8715900	0.8715900	0.01	1.82	20.00	AVRG
trans-1,3-Dichloropropene	0.5000000	0.6040600	0.6040600	0.01	20.81		AVRG
1,1,2-Trichloroethane	0.2640000	0.3026400	0.3026400	0.01	14.64		AVRG
Dibromochloromethane	0.4110000	0.4515500	0.4515500	0.01	9.87		AVRG
Tetrachloroethene	0.3060000	0.2870000	0.2870000	0.01	-6.21		AVRG
1,2-Dibromoethane	0.2750000	0.3480500	0.3480500	0.01	-26.56	NA	AVRG
Chlorobenzene	1.0820000	1.0233000	1.0233000	0.3	-5.42		AVRG
1,1,1,2-Tetrachloroethane	0.3790000	0.3717400	0.3717400	0.01	-1.92		AVRG
Ethylbenzene	2.0720000	2.0119000	2.0119000	0.01	-2.90	20.00	AVRG

FORM 7B
VOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 0029 NAS PENSACOLA SDG No.: CTO29-1

Instrument ID: GCMS-S Calibration Date: 06/26/07 Time: 0638

Lab File ID: S5327 Init. Calib. Date(s): 06/22/07 06/22/07

Init. Calib. Times: 1039 1418

GC Column: RTX-VMS ID: 0.18 (mm)

COMPOUND	RRF or AMOUNT	RRF50.000 or AMOUNT	CCAL RRF50.000	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE
Bromoform	0.2430000	0.2905900	0.2905900	0.1	19.58		AVRG
Styrene	45.020000	50.000000	1.0042000	0.01	-9.96		LINR
1,1,2,2-Tetrachloroethane	0.9980000	1.1164000	1.1164000	0.3	11.86		AVRG
1,2,3-Trichloropropane	0.7880000	0.9491800	0.9491800	0.01	20.45		AVRG
1,2-Dibromo-3-Chloropropane	78.720000	50.000000	0.1815900	0.01	57.44		LINR
Acetone	0.2470000	0.2726500	0.2726500	0.01	10.38		AVRG
2-Butanone	0.3000000	0.4277000	0.4277000	0.01	42.57		AVRG
4-methyl-2-pentanone	0.3780000	0.5820700	0.5820700	0.01	53.99		AVRG
2-Hexanone	340.47000	250.00000	0.4571000	0.01	36.19		LINR
m+p-Xylenes	0.6180000	0.6200400	0.6200400	0.01	0.33		AVRG
o-Xylene	46.043000	50.000000	0.5939700	0.01	-7.91		LINR
Vinyl Acetate	0.8360000	1.0742000	1.0742000	0.01	28.49		AVRG
Carbon Disulfide	2.3540000	2.1266000	2.1266000	0.01	-9.66		AVRG
Acetonitrile	618.42000	500.00000	2.4e-002	0.01	23.68		LINR
Acrolein	0.1080000	0.1534800	0.1534800	0.01	42.11		AVRG
Acrylonitrile	0.1830000	0.2769600	0.2769600	0.01	51.34		AVRG
Chloroprene	1.2920000	1.4053000	1.4053000	0.01	8.77		AVRG
Allyl Chloride	1.5760000	1.5650000	1.5650000	0.01	-0.70		AVRG
1,4-Dioxane	4.e-003	2.2e-003	2.2e-003	0.001	-45.00		AVRG
Propionitrile	7.4e-002	0.1063800	0.1063800	0.01	43.76		AVRG
Ethyl Methacrylate	67.506000	50.000000	0.6069700	0.01	35.01		LINR
Iodomethane	37.721000	50.000000	0.4710700	0.01	-24.56		LINR
Isobutyl Alcohol	2.5e-002	2.66e-002	2.66e-002	0.01	6.40		AVRG
Methacrylonitrile	0.4480000	0.6961800	0.6961800	0.01	55.40		AVRG
Methyl Methacrylate	69.866000	50.000000	0.5499600	0.01	39.73		LINR
Pentachloroethane	0.6780000	0.7110800	0.7110800	0.01	4.88		AVRG
trans-1,4-Dichloro-2-Butene	67.567000	50.000000	0.4544700	0.01	35.13		LINR
1,2,4-Trichlorobenzene	0.5810000	0.6300600	0.6300600	0.01	8.44		AVRG
1,2-Dichlorobenzene	1.4790000	1.4721000	1.4721000	0.01	-0.47		AVRG

FORM 7B
VOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 0029 NAS PENSACOLA SDG No.: CTO29-1

Instrument ID: GCMS-S Calibration Date: 06/26/07 Time: 0638

Lab File ID: S5327 Init. Calib. Date(s): 06/22/07 06/22/07

Init. Calib. Times: 1039 1418

GC Column: RTX-VMS ID: 0.18 (mm)

COMPOUND	RRF or AMOUNT	RRF50.000 or AMOUNT	CCAL RRF50.000	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE	
1,3-Dichlorobenzene	1.5860000	1.4660000	1.4660000	0.01	-7.57		AVRG	
1,4-Dichlorobenzene	1.6060000	1.4228000	1.4228000	0.01	-11.41		AVRG	
cis-1,2-Dichloroethene	0.6840000	0.6637600	0.6637600	0.01	-2.96		AVRG	
Methyl tert-butyl ether	1.6060000	1.9710000	1.9710000	0.01	22.73		AVRG	
Xylenes (total)	0.0000000	0.6113500	0.6113500	0.01	0.00		AVRG	<
Freon-113	0.4290000	0.4544600	0.4544600	0.01	5.93		AVRG	
Cyclohexane	1.0500000	1.0703000	1.0703000	0.01	1.93		AVRG	
Isopropylbenzene	2.8800000	2.8230000	2.8230000	0.01	-1.98		AVRG	
Methyl Acetate	0.7360000	1.0496000	1.0496000	0.01	42.61		AVRG	
Methylcyclohexane	0.6460000	0.7214400	0.7214400	0.01	11.68		AVRG	
Dibromofluoromethane	0.4600000	0.3967000	0.3967000	0.01	-13.76		AVRG	
1,2-Dichloroethane-D4	0.7200000	0.6444800	0.6444800	0.01	-10.49		AVRG	
Toluene-D8	1.1950000	1.0668000	1.0668000	0.01	-10.73		AVRG	
P-Bromofluorobenzene	0.3750000	0.3891000	0.3891000	0.01	3.76		AVRG	

FORM 5
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 0029 NAS PENSACOLA SDG No.: CTO29-1

Lab File ID: TB376 BFB Injection Date: 06/19/07

Instrument ID: GCMS-T BFB Injection Time: 0821

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	25.0
75	30.0 - 60.0% of mass 95	54.1
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.7
173	Less than 2.0% of mass 174	0.2 (0.2)1
174	Greater than 50.0% of mass 95	96.4
175	5.0 - 9.0% of mass 174	7.3 (7.5)1
176	95.0 - 101.0% of mass 174	95.8 (99.3)1
177	5.0 - 9.0% of mass 176	5.4 (5.7)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01		VSTD200T19A	T6509	06/19/07	0918
02		VSTD100T19A	T6510	06/19/07	0950
03		VSTD050T19A	T6511	06/19/07	1022
04		VSTD020T19A	T6512	06/19/07	1054
05		VSTD005T19A	T6513	06/19/07	1126
06		VSTD001T19A	T6514	06/19/07	1159
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22					

FORM 6
VOLATILE INITIAL CALIBRATION DATA

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project CTO 0029 NAS PENSACOLA SDG No.: CTO29-1

Instrument ID: GCMS-T Calibration Date(s): 06/19/07 06/19/07

Column: RTX-VMS ID: 0.18 (mm) Calibration Time(s): 0918 1159

LAB FILE ID: RF1: T6514 RF5: T6513 RF20: T6512
RF50: T6511 RF100: T6510 RF200: T6509

COMPOUND	RF1	RF5	RF20	RF50	RF100	RF200	CURVE	COEFFICENTS A0	COEFFICENTS A1	COEFFICENTS A2	%RSD OR R^2	MAX %RS OR R^2
Dichlorodifluoromethane	0.578	0.575	0.516	0.480	0.517	0.537	AVRG		0.53403142		7.070	15.000
Chloromethane	0.492	0.504	0.431	0.422	0.419	0.342	AVRG		0.43504641		13.469	15.000
Vinyl chloride	0.387	0.445	0.392	0.357	0.366	0.351	AVRG		0.38280153		8.984	15.000
Bromomethane	11553	48128	177070	404440	752850	1490100	LINR	-9.09e-003	3.27489645		0.99978	0.99000
Chloroethane	6876	30752	114210	273360	512810	967200	LINR	-1.26e-002	5.04986629		0.99993	0.99000
Trichlorofluoromethane	0.898	0.908	0.784	0.697	0.312	0.310	AVRG		0.65163481		42.201	15.000
1,1-Dichloroethene	0.415	0.376	0.338	0.329	0.344	0.339	AVRG		0.35698828		9.159	15.000
Methylene Chloride	13181	48242	190490	473540	897070	1667900	LINR	-1.07e-002	2.91889721		0.99998	0.99000
trans-1,2-Dichloroethene	0.462	0.397	0.357	0.362	0.368	0.357	AVRG		0.38385796		10.711	15.000
1,1-Dichloroethane	0.874	0.802	0.730	0.735	0.738	0.698	AVRG		0.76275623		8.407	15.000
Chloroform	1.157	1.012	0.918	0.924	0.931	0.906	AVRG		0.97461269		9.960	15.000
1,1,1-Trichloroethane	1.096	1.024	0.940	0.932	0.962	0.974	AVRG		0.98797926		6.316	15.000
1,2-Dichloroethane	0.982	0.796	0.726	0.723	0.723	0.743	AVRG		0.78220394		12.986	15.000
Carbon Tetrachloride	0.539	0.616	0.592	0.598	0.655	0.686	AVRG		0.61430369		8.370	15.000
Benzene	1.056	1.201	1.068	1.071	1.052	0.964	AVRG		1.06842557		7.113	15.000
1,2-Dichloropropane	0.243	0.288	0.247	0.252	0.247	0.230	AVRG		0.25155429		7.756	15.000
Trichloroethene	0.531	0.473	0.402	0.398	0.393	0.386	AVRG		0.43059035		13.623	15.000
Dibromomethane	0.334	0.303	0.256	0.257	0.252	0.246	AVRG		0.27469675		12.996	15.000
Bromodichloromethane	0.772	0.675	0.612	0.626	0.626	0.632	AVRG		0.65706727		9.174	15.000
cis-1,3-dichloropropene	0.532	0.562	0.543	0.539	0.537	0.513	AVRG		0.53795414		2.962	15.000
Toluene	0.746	0.795	0.728	0.715	0.694	0.658	AVRG		0.72263967		6.469	15.000
trans-1,3-Dichloropropene	0.565	0.592	0.529	0.515	0.511	0.504	AVRG		0.53620340		6.516	15.000
1,1,2-Trichloroethane	0.266	0.240	0.223	0.227	0.218	0.204	AVRG		0.22980727		9.300	15.000
Dibromochloromethane	0.590	0.565	0.558	0.595	0.596	0.591	AVRG		0.58251793		2.848	15.000
Tetrachloroethene	0.524	0.509	0.478	0.449	0.449	0.425	AVRG		0.47233588		8.129	15.000
1,2-Dibromoethane	0.399	0.370	0.346	0.342	0.349	0.323	AVRG		0.35480257		7.450	15.000
Chlorobenzene	1.217	1.080	0.990	0.963	0.933	0.878	AVRG		1.01021255		12.013	15.000
1,1,1,2-Tetrachloroethane	0.512	0.478	0.463	0.483	0.477	0.473	AVRG		0.48114854		3.471	15.000
Ethylbenzene	1.969	1.960	1.902	1.870	1.837	1.675	AVRG		1.86876671		5.759	15.000
Bromoform	0.424	0.421	0.401	0.423	0.425	0.396	AVRG		0.41491176		3.149	15.000
Styrene	0.895	1.016	1.023	1.041	1.008	0.956	AVRG		0.98999666		5.498	15.000
1,1,2,2-Tetrachloroethane	0.679	0.612	0.613	0.613	0.606	0.525	AVRG		0.60812922		8.065	15.000
1,2,3-Trichloropropane	0.658	0.601	0.563	0.560	0.538	0.491	AVRG		0.56855540		9.982	15.000
1,2-Dibromo-3-Chloropropa	0.182	0.143	0.129	0.140	0.148	0.123	AVRG		0.14436409		14.302	15.000
Acetone	0.218	0.164	0.151	0.150	0.152	0.140	AVRG		0.16234214		17.315	15.000
2-Butanone	0.132	0.143	0.148	0.155	0.164	0.136	AVRG		0.14651200		8.141	15.000
4-methyl-2-pentanone	0.235	0.277	0.274	0.284	0.282	0.245	AVRG		0.26612577		7.861	15.000
2-Hexanone	0.172	0.214	0.231	0.250	0.252	0.214	AVRG		0.22215688		13.347	15.000
m+p-Xylenes	0.588	0.648	0.632	0.623	0.600	0.584	AVRG		0.61265625		4.212	15.000
o-Xylene	0.470	0.562	0.592	0.607	0.596	0.574	AVRG		0.56705272		8.817	15.000
Vinyl Acetate	0.525	0.571	0.582	0.616	0.623	0.581	AVRG		0.58295807		6.056	15.000
Carbon Disulfide	33362	131690	473270	1194700	2330400	4284800	LINR	-5.83e-003	1.13693803		0.99995	0.99000
Acetonitrile	4115	11940	47963	118120	220740	356160	LINR	-0.7063001	133.934550		0.99389	0.99000
Acrolein	0.061	0.046	0.052	0.053	0.054	0.048	AVRG		5.23e-002		10.224	15.000

FORM 6
VOLATILE INITIAL CALIBRATION DATA

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project CTO 0029 NAS PENSACOLA SDG No.: CTO29-1

Instrument ID: GCMS-T Calibration Date(s): 06/19/07 06/19/07

Column: RTX-VMS ID: 0.18 (mm) Calibration Time(s): 0918 1159

LAB FILE ID: RF1: T6514 RF5: T6513 RF20: T6512
RF50: T6511 RF100: T6510 RF200: T6509

COMPOUND	RF1	RF5	RF20	RF50	RF100	RF200	CURVE	COEFFICENTS A0	COEFFICENTS A1	COEFFICENTS A2	%RSD OR R^2	MAX %RSD OR R^2
Acrylonitrile	0.095	0.072	0.082	0.085	0.086	0.072	AVRG		8.209e-002		10.495	15.000
Chloroprene	0.914	0.860	0.899	0.867	0.887	0.867	AVRG		0.88251728		2.434	15.000
Allyl Chloride	0.784	0.590	0.626	0.629	0.633	0.614	AVRG		0.64623054		10.754	15.000
1,4-Dioxane	2245	8779	37208	93733	186550	259130	2ORDR	0.93618470	208.390424	1278.68730	0.99466	0.99000
Propionitrile	0.038	0.031	0.035	0.035	0.035	0.029	AVRG		3.408e-002		9.485	15.000
Ethyl Methacrylate	5433	38912	231470	625160	1208700	2034400	LINR	-2.01e-002	2.80977080		0.99754	0.99000
Iodomethane	0.522	0.410	0.415	0.459	0.470	0.458	AVRG		0.45579558		8.906	15.000
Isobutyl Alcohol	0.008	0.008	0.010	0.011	0.012	0.009	AVRG		9.648e-003		14.143	15.000
Methacrylonitrile	0.248	0.209	0.237	0.238	0.242	0.212	AVRG		0.23097055		7.040	15.000
Methyl Methacrylate	5588	31199	194880	515040	1021000	1735300	LINR	-1.23e-002	3.29882152		0.99814	0.99000
Pentachloroethane	0.647	0.543	0.575	0.571	0.555	0.524	AVRG		0.56936437		7.432	15.000
trans-1,4-Dichloro-2-Bute	0.265	0.200	0.255	0.257	0.273	0.259	AVRG		0.25149910		10.251	15.000
1,2,4-Trichlorobenzene	1.201	1.082	1.019	1.024	1.001	0.868	AVRG		1.03250523		10.540	15.000
1,2-Dichlorobenzene	1.600	1.491	1.429	1.415	1.370	1.249	AVRG		1.42561213		8.242	15.000
1,3-Dichlorobenzene	1.963	1.656	1.532	1.519	1.440	1.336	AVRG		1.57445285		13.843	15.000
1,4-Dichlorobenzene	29135	123380	493710	1249600	2360300	4175300	LINR	-5.12e-002	0.75346510		0.99806	0.99000
cis-1,2-Dichloroethene	0.534	0.487	0.437	0.445	0.436	0.399	AVRG		0.45631355		10.355	15.000
Methyl tert-butyl ether	1.252	1.064	1.109	1.130	1.137	1.084	AVRG		1.12933920		5.868	15.000
Xylenes (total)							AVRG					0.000
Freon-113	0.436	0.357	0.372	0.339	0.365	0.365	AVRG		0.37248157		8.848	15.000
Cyclohexane	0.402	0.546	0.493	0.482	0.511	0.470	AVRG		0.48385763		9.984	15.000
Isopropylbenzene	2.124	2.658	2.703	2.621	2.550	2.355	AVRG		2.50166490		8.855	15.000
Methyl Acetate	12186	42084	198240	506560	994650	1631500	LINR	-3.9e-002	2.91730267		0.99546	0.99000
Methylcyclohexane	0.521	0.502	0.606	0.570	0.602	0.567	AVRG		0.56125161		7.471	15.000
Dibromofluoromethane	0.435	0.357	0.382	0.382	0.403	0.386	AVRG		0.39092911		6.671	15.000
1,2-Dichloroethane-D4	0.734	0.602	0.614	0.617	0.652	0.660	AVRG		0.64636418		7.501	15.000
Toluene-D8	0.995	1.088	1.161	1.091	1.110	1.017	AVRG		1.07705091		5.682	15.000
P-Bromofluorobenzene	0.411	0.419	0.471	0.452	0.487	0.485	AVRG		0.45440510		7.257	15.000

Average %RSD test result.

Calculate Average %RSD: 10.90082359
Maximum Average %RSD: 15.00000000

Note: Passes Average %RSD Test.

FORM 5
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 0029 NAS PENSACOLA SDG No.: CTO29-1

Lab File ID: TB381 BFB Injection Date: 06/23/07

Instrument ID: GCMS-T BFB Injection Time: 2112

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	29.7
75	30.0 - 60.0% of mass 95	57.9
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	7.9
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	Greater than 50.0% of mass 95	78.2
175	5.0 - 9.0% of mass 174	6.4 (8.2)1
176	95.0 - 101.0% of mass 174	76.3 (97.7)1
177	5.0 - 9.0% of mass 176	4.1 (5.4)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01		VSTD050T23A	T6630	06/23/07	2137
02	WG40398-LCS	WG40398-1	T6632	06/23/07	2255
03	WG40398-BLANK	WG40398-2	T6634	06/24/07	0000
04	OLFS4-MW40-0607	SA3013-1	T6643	06/24/07	0452
05	OLFS4-MW37-0607	SA3013-3	T6644	06/24/07	0525
06	OLFS4-MW37-0607-D	SA3013-5	T6645	06/24/07	0557
07	OLFS4-MW39-0607	SA3013-7	T6646	06/24/07	0630
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FORM 7B
VOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 0029 NAS PENSACOLA SDG No.: CTO29-1

Instrument ID: GCMS-T Calibration Date: 06/23/07 Time: 2137

Lab File ID: T6630 Init. Calib. Date(s): 06/19/07 06/19/07

Init. Calib. Times: 0918 1159

GC Column: RTX-VMS ID: 0.18 (mm)

COMPOUND	RRF or AMOUNT	RRF50.000 or AMOUNT	CCAL RRF50.000	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE
Dichlorodifluoromethane	0.5340000	0.7734400	0.7734400	0.01	44.84		AVRG
Chloromethane	0.4350000	0.4334000	0.4334000	0.1	-0.37		AVRG
Vinyl chloride	0.3830000	0.4199400	0.4199400	0.01	9.64	20.00	AVRG
Bromomethane	49.960000	50.000000	0.3078800	0.01	-0.08		LINR
Chloroethane	55.674000	50.000000	0.2229900	0.01	11.35		LINR
Trichlorofluoromethane	0.6520000	0.7434200	0.7434200	0.01	14.02		AVRG
1,1-Dichloroethene	0.3570000	0.3526700	0.3526700	0.1	-1.21	20.00	AVRG
Methylene Chloride	52.772000	50.000000	0.3652500	0.01	5.54		LINR
trans-1,2-Dichloroethene	0.3840000	0.3643400	0.3643400	0.01	-5.12		AVRG
1,1-Dichloroethane	0.7630000	0.6982600	0.6982600	0.1	-8.48		AVRG
Chloroform	0.9750000	0.8983800	0.8983800	0.01	-7.86	20.00	AVRG
1,1,1-Trichloroethane	0.9880000	0.9551600	0.9551600	0.01	-3.32		AVRG
1,2-Dichloroethane	0.7820000	0.8013800	0.8013800	0.01	2.48		AVRG
Carbon Tetrachloride	0.6140000	0.7557300	0.7557300	0.01	23.08		AVRG
Benzene	1.0690000	1.0411000	1.0411000	0.01	-2.61		AVRG
1,2-Dichloropropane	0.2510000	0.2417300	0.2417300	0.01	-3.69	20.00	AVRG
Trichloroethene	0.4300000	0.4130700	0.4130700	0.01	-3.94		AVRG
Dibromomethane	0.2750000	0.2786100	0.2786100	0.01	1.31		AVRG
Bromodichloromethane	0.6570000	0.6694600	0.6694600	0.01	1.90		AVRG
cis-1,3-dichloropropene	0.5380000	0.5587600	0.5587600	0.01	3.86		AVRG
Toluene	0.7230000	0.7310200	0.7310200	0.01	1.11	20.00	AVRG
trans-1,3-Dichloropropene	0.5360000	0.5624800	0.5624800	0.01	4.94		AVRG
1,1,2-Trichloroethane	0.2300000	0.2356000	0.2356000	0.01	2.43		AVRG
Dibromochloromethane	0.5820000	0.6270200	0.6270200	0.01	7.74		AVRG
Tetrachloroethene	0.4720000	0.4708600	0.4708600	0.01	-0.24		AVRG
1,2-Dibromoethane	0.3550000	0.3866400	0.3866400	0.01	8.91		AVRG
Chlorobenzene	1.0100000	0.9486800	0.9486800	0.3	-6.07		AVRG
1,1,1,2-Tetrachloroethane	0.4810000	0.5017600	0.5017600	0.01	4.32		AVRG
Ethylbenzene	1.8690000	1.8416000	1.8416000	0.01	-1.47	20.00	AVRG

FORM 7B
VOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 0029 NAS PENSACOLA SDG No.: CTO29-1

Instrument ID: GCMS-T Calibration Date: 06/23/07 Time: 2137

Lab File ID: T6630 Init. Calib. Date(s): 06/19/07 06/19/07

Init. Calib. Times: 0918 1159

GC Column: RTX-VMS ID: 0.18 (mm)

COMPOUND	RRF or AMOUNT	RRF50.000 or AMOUNT	CCAL RRF50.000	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE
Bromoform	0.4150000	0.4667200	0.4667200	0.1	12.46		AVRG
Styrene	0.9900000	1.0282000	1.0282000	0.01	3.86		AVRG
1,1,2,2-Tetrachloroethane	0.6080000	0.6145600	0.6145600	0.3	1.08		AVRG
1,2,3-Trichloropropane	0.5680000	0.5797400	0.5797400	0.01	2.07		AVRG
1,2-Dibromo-3-Chloropropane	0.1440000	0.1451100	0.1451100	0.01	0.77		AVRG
Acetone	0.1620000	0.1755600	0.1755600	0.01	8.37		AVRG
2-Butanone	0.1460000	0.1668800	0.1668800	0.01	14.30		AVRG
4-methyl-2-pentanone	0.2660000	0.3352900	0.3352900	0.01	26.05		AVRG
2-Hexanone	0.2220000	0.2826700	0.2826700	0.01	27.33		AVRG
m+p-Xylenes	0.6120000	0.5992000	0.5992000	0.01	-2.09		AVRG
o-Xylene	0.5670000	0.5838600	0.5838600	0.01	2.97		AVRG
Vinyl Acetate	0.5830000	0.6173000	0.6173000	0.01	5.88		AVRG
Carbon Disulfide	46.654000	50.000000	0.8258200	0.01	-6.69		LINR
Acetonitrile	572.53000	500.00000	9.08e-003	0.01	14.51		LINR
Acrolein	5.2e-002	5.01e-002	5.01e-002	0.01	-3.65		AVRG
Acrylonitrile	8.2e-002	8.02e-002	8.02e-002	0.01	-2.20		AVRG
Chloroprene	0.8820000	0.8186400	0.8186400	0.01	-7.18		AVRG
Allyl Chloride	0.6460000	0.5859700	0.5859700	0.01	-9.29		AVRG
1,4-Dioxane	1115.0000	1000.0000	3.57e-003	0.001	11.50		2RDR
Propionitrile	3.4e-002	3.42e-002	3.42e-002	0.01	0.59		AVRG
Ethyl Methacrylate	54.895000	50.000000	0.3978900	0.01	9.79		LINR
Iodomethane	0.4560000	0.5350600	0.5350600	0.01	17.34		AVRG
Isobutyl Alcohol	1.e-002	1.16e-002	1.16e-002	0.01	16.00		AVRG
Methacrylonitrile	0.2310000	0.2313800	0.2313800	0.01	0.16		AVRG
Methyl Methacrylate	52.998000	50.000000	0.3250500	0.01	6.00		LINR
Pentachloroethane	0.5690000	0.5228200	0.5228200	0.01	-8.12		AVRG
trans-1,4-Dichloro-2-Butene	0.2520000	0.2510000	0.2510000	0.01	-0.40		AVRG
1,2,4-Trichlorobenzene	1.0320000	1.0071000	1.0071000	0.01	-2.41		AVRG
1,2-Dichlorobenzene	1.4260000	1.3641000	1.3641000	0.01	-4.34		AVRG

FORM 7B
VOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 0029 NAS PENSACOLA SDG No.: CTO29-1

Instrument ID: GCMS-T Calibration Date: 06/23/07 Time: 2137

Lab File ID: T6630 Init. Calib. Date(s): 06/19/07 06/19/07

Init. Calib. Times: 0918 1159

GC Column: RTX-VMS ID: 0.18 (mm)

COMPOUND	RRF or AMOUNT	RRF50.000 or AMOUNT	CCAL RRF50.000	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE	
1,3-Dichlorobenzene	1.5740000	1.4450000	1.4450000	0.01	-8.20		AVRG	
1,4-Dichlorobenzene	51.756000	50.000000	1.4418000	0.01	3.51		LINR	
cis-1,2-Dichloroethene	0.4560000	0.4101800	0.4101800	0.01	-10.05		AVRG	
Methyl tert-butyl ether	1.1290000	1.1363000	1.1363000	0.01	0.65		AVRG	
Xylenes (total)	0.0000000	0.5940900	0.5940900	0.01	0.00		AVRG	<
Freon-113	0.3720000	0.3436600	0.3436600	0.01	-7.62		AVRG	
Cyclohexane	0.4840000	0.4443500	0.4443500	0.01	-8.19		AVRG	
Isopropylbenzene	2.5020000	2.5110000	2.5110000	0.01	0.36		AVRG	
Methyl Acetate	55.518000	50.000000	0.3939700	0.01	11.04		LINR	
Methylcyclohexane	0.5610000	0.5163200	0.5163200	0.01	-7.96		AVRG	
Dibromofluoromethane	0.3910000	0.3141300	0.3141300	0.01	-19.66		AVRG	
1,2-Dichloroethane-D4	0.6460000	0.5392600	0.5392600	0.01	-16.52		AVRG	
Toluene-D8	1.0770000	0.9793100	0.9793100	0.01	-9.07		AVRG	
P-Bromofluorobenzene	0.4540000	0.4545500	0.4545500	0.01	0.12		AVRG	

FORM 2

WATER SEMIVOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 0029 NAS PENSACOLA SDG No.: CTO29-1

	CLIENT SAMPLE ID	LAB SAMPLE ID	S1 2FP#	S2 PHL#	S3 NBZ#	S4 FBP#	S5 TBP#	S6 TPH#	S7 #	S8 #	TOT OUT
01	WG40249-BLANK	WG40249-1RA	60	32	77	87	76	98			0
02	OLFS4-MW44-0607	SA3013-17	42	23	68	82	70	102			0
03	OLFS4-MW42-0607	SA3013-19	41	18	64	78	68	108			0
04	OLFS4-MW43-0607	SA3013-21	38	19	62	76	62	97			0
05	WG40249-LCS	WG40249-2RA	64	43	88	93	93	107			0
06	WG40233-BLANK	WG40233-1	52	32	68	76	80	108			0
07	OLFS4-MW40-0607	SA3013-1	41	26	71	82	75	104			0
08	OLFS4-MW37-0607	SA3013-3	34	20	66	75	71	95			0
09	OLFS4-MW37-0607-D	SA3013-5	27J	16	50J	59	53	76			2
10	OLFS4-MW39-0607	SA3013-7	43	26	69	78	66	90			0
11	OLFS4-MW38-0607	SA3013-9	30J	18	68	74	50J	52			2
12	OLFS4-MW41-0607	SA3013-11	34	20	68	75	67	83			0
13	OLFS4-MW45-0607	SA3013-13	37	24	71	77	58	81			0
14	OLFS4-MW46-0607	SA3013-15	42	28	73	80	73	97			0
15	WG40233-LCS	WG40233-2	56	38	79	86	87	111			0
16	OLFS4-MW40-0607MS	WG40233-3	49	34	76	86	85	100			0
17	OLFS4-MW40-0607MSD	WG40233-4	45	32	71	83	84	95			0
18											
19											
20											
21											
22											
23											
24											
25											
26											
27											
28											

	QC LIMITS
S1 (2FP) = 2-Fluorophenol	(34-105)
S2 (PHL) = Phenol-D6	(10-115)
S3 (NBZ) = Nitrobenzene-D5	(54-102)
S4 (FBP) = 2-Fluorobiphenyl	(58-111)
S5 (TBP) = 2,4,6-Tribromophenol	(51-144)
S6 (TPH) = Terphenyl-D14	(22-139)

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

FORM 4

SEMIVOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE ID

WG40233-BLANK

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 0029 NAS PENSACOLA SDG No.: CTO29-1

Lab File ID: U8324 Lab Sample ID: WG40233-1

Instrument ID: GCMS-U Date Extracted: 06/19/07

Matrix: (soil/water) WATER Date Analyzed: 06/26/07

Level: (low/med) LOW Time Analyzed: 1311

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	OLFS4-MW40-0607	SA3013-1	U8325	06/26/07	1357
02	OLFS4-MW37-0607	SA3013-3	U8326	06/26/07	1443
03	OLFS4-MW37-0607-D	SA3013-5	U8327	06/26/07	1529
04	OLFS4-MW39-0607	SA3013-7	U8328	06/26/07	1615
05	OLFS4-MW38-0607	SA3013-9	U8329	06/26/07	1700
06	OLFS4-MW41-0607	SA3013-11	U8330	06/26/07	1746
07	OLFS4-MW45-0607	SA3013-13	U8331	06/26/07	1836
08	OLFS4-MW46-0607	SA3013-15	U8332	06/26/07	1928
09	WG40233-LCS	WG40233-2	U8333	06/26/07	2019
10	OLFS4-MW40-0607MS	WG40233-3	U8334	06/26/07	2111
11	OLFS4-MW40-0607MSD	WG40233-4	U8335	06/26/07	2202
12					
13					
14					
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16					
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22					
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24					
25					
26					
27					
28					
29					
30					

COMMENTS:

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client:
Project: CTO 0029 NAS Pensacola
PO No:
Sample Date:
Received Date:
Extraction Date: 06/19/07
Analysis Date: 26-JUN-2007 13:11
Report Date: 06/28/2007
Matrix: WATER
% Solids: NA

Lab ID: WG40233-1
Client ID: WG40233-Blank
SDG: CTO29-1
Extracted by: KM
Extraction Method: SW846 3510
Analyst: JCG
Analysis Method: SW846 8270C
Lab Prep Batch: WG40233
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
62-75-9	N-Nitrosodimethylamine	U	5	1.0	10	10	5
110-86-1	Pyridine	U	2	1.0	50	50	2
109-06-8	2-Picoline	U	3	1.0	10	10	3
10595-95-6	N-Nitrosomethylethylamine	U	6	1.0	10	10	6
66-27-3	Methyl Methanesulfonate	U	7	1.0	10	10	7
55-18-5	N-Nitrosodiethylamine	U	4	1.0	10	10	4
62-50-0	Ethyl Methanesulfonate	U	7	1.0	10	10	7
100-52-7	Benzaldehyde	U	5	1.0	10	10	5
62-53-3	Aniline	U	6	1.0	25	25	6
108-95-2	Phenol	U	9	1.0	10	10	9
111-44-4	Bis(2-Chloroethyl)ether	U	4	1.0	10	10	4
95-57-8	2-Chlorophenol	U	9	1.0	10	10	9
100-51-6	Benzyl alcohol	U	9	1.0	20	20	9
95-48-7	2-Methylphenol	U	8	1.0	10	10	8
108-60-1	Bis(2-Chloroisopropyl)ether	U	4	1.0	10	10	4
930-55-2	N-Nitrosopyrrolidine	U	6	1.0	10	10	6
98-86-2	Acetophenone	U	5	1.0	10	10	5
621-64-7	N-Nitroso-di-n-propylamine	U	4	1.0	10	10	4
95-53-4	o-Toluidine	U	10	1.0	25	25	10
106-44-5	3&4-Methylphenol	U	9	1.0	10	10	9
59-89-2	N-Nitrosomorpholine	U	4	1.0	10	10	4
67-72-1	Hexachloroethane	U	3	1.0	10	10	3
98-95-3	Nitrobenzene	U	2	1.0	10	10	2
100-75-4	N-Nitrosopiperidine	U	3	1.0	10	10	3
78-59-1	Isophorone	U	3	1.0	10	10	3
88-75-5	2-Nitrophenol	U	7	1.0	10	10	7
105-67-9	2,4-Dimethylphenol	U	7	1.0	10	10	7
126-68-1	O,O,O-Triethylphosphorothioat	U	3	1.0	10	10	3
111-91-1	Bis(2-Chloroethoxy)methane	U	4	1.0	10	10	4
120-83-2	2,4-Dichlorophenol	U	7	1.0	10	10	7
120-82-1	1,2,4-Trichlorobenzene	U	2	1.0	10	10	2
91-20-3	Naphthalene	U	3	1.0	10	10	3
122-09-8	A,A-Dimethylphenethylamine	U	16	1.0	25	25	16
87-65-0	2,6-Dichlorophenol	U	8	1.0	10	10	8
106-47-8	4-Chloroaniline	U	5	1.0	10	10	5
1888-71-7	Hexachloropropene	U	3	1.0	10	10	3
87-68-3	Hexachlorobutadiene	U	2	1.0	10	10	2
924-16-3	N-Nitroso-Di-N-Butylamine	U	8	1.0	10	10	8
106-50-3	p-Phenylenediamine	U	5	1.0	10	10	5
105-60-2	Caprolactam	U	9	1.0	10	10	9
59-50-7	4-Chloro-3-Methylphenol	U	10	1.0	10	10	10
94-59-7	Safrole	U	3	1.0	10	10	3
120-58-1	Isosafrole	U	5	1.0	10	10	5

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client:
Project: CTO 0029 NAS Pensacola
PO No:
Sample Date:
Received Date:
Extraction Date: 06/19/07
Analysis Date: 26-JUN-2007 13:11
Report Date: 06/28/2007
Matrix: WATER
% Solids: NA

Lab ID: WG40233-1
Client ID: WG40233-Blank
SDG: CTO29-1
Extracted by: KM
Extraction Method: SW846 3510
Analyst: JCG
Analysis Method: SW846 8270C
Lab Prep Batch: WG40233
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
91-57-6	2-Methylnaphthalene	U	4	1.0	10	10	4
77-47-4	Hexachlorocyclopentadiene	U	3	1.0	10	10	3
95-94-3	1,2,4,5-Tetrachlorobenzene	U	4	1.0	10	10	4
88-06-2	2,4,6-Trichlorophenol	U	7	1.0	10	10	7
95-95-4	2,4,5-Trichlorophenol	U	7	1.0	25	25	7
91-58-7	2-Chloronaphthalene	U	3	1.0	10	10	3
92-52-4	1,1'-Biphenyl	U	3	1.0	10	10	3
88-74-4	2-Nitroaniline	U	3	1.0	25	25	3
130-15-4	1,4-Naphthoquinone	U	4	1.0	10	10	4
131-11-3	Dimethyl Phthalate	U	4	1.0	10	10	4
99-65-0	1,3-Dinitrobenzene	U	5	1.0	10	10	5
606-20-2	2,6-Dinitrotoluene	U	4	1.0	10	10	4
208-96-8	Acenaphthylene	U	3	1.0	10	10	3
99-09-2	3-Nitroaniline	U	4	1.0	25	25	4
83-32-9	Acenaphthene	U	3	1.0	10	10	3
51-28-5	2,4-Dinitrophenol	U	23	1.0	25	25	23
608-93-5	Pentachlorobenzene	U	3	1.0	10	10	3
132-64-9	Dibenzofuran	U	3	1.0	10	10	3
100-02-7	4-Nitrophenol	U	16	1.0	25	25	16
121-14-2	2,4-Dinitrotoluene	U	4	1.0	10	10	4
134-32-7	1-Naphthylamine	U	3	1.0	10	10	3
58-90-2	2,3,4,6-Tetrachlorophenol	U	6	1.0	10	10	6
91-59-8	2-Naphthylamine	U	4	1.0	10	10	4
84-66-2	Diethylphthalate	U	4	1.0	10	10	4
86-73-7	Fluorene	U	3	1.0	10	10	3
7005-72-3	4-Chlorophenyl-phenylether	U	4	1.0	10	10	4
99-55-8	5-Nitro-O-Toluidine	U	5	1.0	10	10	5
100-01-6	4-Nitroaniline	U	5	1.0	25	25	5
534-52-1	4,6-Dinitro-2-Methylphenol	U	11	1.0	25	25	11
86-30-6	N-Nitrosodiphenylamine/DPA	U	5	1.0	10	10	5
2303-16-4	Diallate	U	5	1.0	10	10	5
99-35-4	1,3,5-Trinitrobenzene	U	6	1.0	10	10	6
101-55-3	4-Bromophenyl-phenylether	U	3	1.0	10	10	3
62-44-2	Phenacetin	U	6	1.0	10	10	6
118-74-1	Hexachlorobenzene	U	3	1.0	10	10	3
60-51-5	Dimethoate	U	8	1.0	10	10	8
1912-24-9	Atrazine	U	5	1.0	10	10	5
87-86-5	Pentachlorophenol	U	17	1.0	25	25	17
82-68-8	Pentachloronitrobenzene	U	4	1.0	10	10	4
92-67-1	4-Aminobiphenyl	U	4	1.0	10	10	4
23950-58-5	Pronamide	U	5	1.0	10	10	5
85-01-8	Phenanthrene	U	3	1.0	10	10	3
120-12-7	Anthracene	U	3	1.0	10	10	3

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client:
Project: CTO 0029 NAS Pensacola
PO No:
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Matrix: WATER
% Solids: NA

Lab ID: WG40233-1
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SDG: CTO29-1
Extracted by: KM
Extraction Method: SW846 3510
Analyst: JCG
Analysis Method: SW846 8270C
Lab Prep Batch: WG40233
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
86-74-8	Carbazole	U	4	1.0	10	10	4
84-74-2	Di-n-butylphthalate	U	7	1.0	10	10	7
56-57-5	4-Nitroquinoline-1-Oxide	U	10	1.0	25	25	10
91-80-5	Methapyrilene	U	9	1.0	10	10	9
465-73-6	Isodrin	U	4	1.0	10	10	4
206-44-0	Fluoranthene	U	8	1.0	10	10	8
129-00-0	Pyrene	U	7	1.0	10	10	7
140-57-8	Aramite	U	8	1.0	20	20	8
60-11-7	p-Dimethylaminoazobenzene	U	6	1.0	10	10	6
510-15-6	Chlorobenzilate	U	8	1.0	10	10	8
119-93-7	3,3'-Dimethylbenzidine	U	6	1.0	10	10	6
85-68-7	Butylbenzylphthalate	U	6	1.0	10	10	6
53-96-3	2-Acetylaminofluorene	U	5	1.0	10	10	5
56-55-3	Benzo(a)anthracene	U	3	1.0	10	10	3
91-94-1	3,3'-Dichlorobenzidine	U	4	1.0	10	10	4
218-01-9	Chrysene	U	3	1.0	10	10	3
117-81-7	bis(2-Ethylhexyl)phthalate	U	8	1.0	10	10	8
117-84-0	Di-n-octylphthalate	U	5	1.0	10	10	5
205-99-2	Benzo(b)fluoranthene	U	4	1.0	10	10	4
57-97-6	7,12-Dimethylbenz(A)Anthracen	U	4	1.0	10	10	4
207-08-9	Benzo(k)fluoranthene	U	5	1.0	10	10	5
70-30-4	Hexachlorophene	U	5	1.0	10	10	5
50-32-8	Benzo(a)pyrene	U	3	1.0	10	10	3
56-49-5	3-Methylcholanthrene	U	7	1.0	10	10	7
193-39-5	Indeno(1,2,3-cd)pyrene	U	7	1.0	10	10	7
53-70-3	Dibenzo(a,h)anthracene	U	8	1.0	10	10	8
191-24-2	Benzo(g,h,i)perylene	U	8	1.0	10	10	8
367-12-4	2-Fluorophenol		52%				
13127-88-3	Phenol-D6		32%				
4165-60-0	Nitrobenzene-D5		68%				
321-60-8	2-Fluorobiphenyl		76%				
118-79-6	2,4,6-Tribromophenol		80%				
1718-51-0	Terphenyl-D14		108%				

KATAHDIN ANALYTICAL SERVICES
LAB CONTROL SAMPLE

Client:
Project: CTO 0029 NAS Pensacola
PO No:
Sample Date:
Received Date:
Extraction Date: 06/19/07
Analysis Date: 06/26/07
Report Date: 06/28/2007
Matrix: WATER

Lab ID: WG40233-2
Client ID: WG40233-LCS
SDG: CTO29-1
Extracted by: KM
Extraction Method: SW846 3510
Analyst: JCG
Analysis Method: SW846 8270C
Lab Prep Batch: WG40233
Units: ug/L

COMPOUND	LCS SPIKE	SAMPLE CONC.	LCS CONC.	%REC.	QC. LIMITS
N-Nitrosodimethylamine	50	NA	29	57	13-111
Pyridine	50	NA	21	43	10-101
2-Picoline	50	NA	34	68	30-150
N-Nitrosomethylethylamine	50	NA	36	72	30-150
Methyl Methanesulfonate	100	NA	76	76	30-150
N-Nitrosodiethylamine	50	NA	42	84	30-150
Ethyl Methanesulfonate	100	NA	88	88	30-150
Benzaldehyde	50	NA	15	30	30-150
Aniline	50	NA	27	54	29-102
Phenol	100	NA	37	37	10-126
Bis(2-Chloroethyl)ether	50	NA	40	80	35-109
2-Chlorophenol	100	NA	77	77	52-112
Benzyl alcohol	50	NA	38	75	13-134
2-Methylphenol	100	NA	73	73	31-105
Bis(2-Chloroisopropyl)ether	50	NA	37	74	32-108
N-Nitrosopyrrolidine	50	NA	35	69	30-150
Acetophenone	100	NA	79	79	39-123
N-Nitroso-di-n-propylamine	50	NA	38	76	36-106
o-Toluidine	50	NA	49	98	30-150
3&4-Methylphenol	100	NA	70	70	24-116
N-Nitrosomorpholine	50	NA	42	84	30-150
Hexachloroethane	50	NA	37	73	30- 95
Nitrobenzene	50	NA	39	77	44-112
N-Nitrosopiperidine	50	NA	46	92	30-150
Isophorone	50	NA	42	83	50-110
2-Nitrophenol	100	NA	76	76	49-108
2,4-Dimethylphenol	100	NA	78	78	48-105
O,O,O-Triethylphosphorothioat	50	NA	43	85	30-150
Bis(2-Chloroethoxy)methane	50	NA	42	85	52-101
2,4-Dichlorophenol	100	NA	80	80	57-110
1,2,4-Trichlorobenzene	50	NA	38	75	31-114
Naphthalene	50	NA	40	80	33-109
A,A-Dimethylphenethylamine		NA			30-150
2,6-Dichlorophenol	100	NA	89	89	30-150
4-Chloroaniline	50	NA	42	84	29- 98
Hexachloropropene	50	NA	34	68	30-150
Hexachlorobutadiene	50	NA	38	75	30-107
N-Nitroso-Di-N-Butylamine	50	NA	43	86	30-150
p-Phenylenediamine		NA			30-150
Caprolactam	50	NA	16	31	10-172
4-Chloro-3-Methylphenol	100	NA	89	89	46-150
Safrole	50	NA	45	90	30-150
Isosafrole	50	NA	38	77	30-150
2-Methylnaphthalene	50	NA	40	80	48-121
Hexachlorocyclopentadiene	50	NA	28	57	10-106

Sample Data Summary A0000115

KATAHDIN ANALYTICAL SERVICES
LAB CONTROL SAMPLE

Client:
Project: CTO 0029 NAS Pensacola
PO No:
Sample Date:
Received Date:
Extraction Date: 06/19/07
Analysis Date: 06/26/07
Report Date: 06/28/2007
Matrix: WATER

Lab ID: WG40233-2
Client ID: WG40233-LCS
SDG: CTO29-1
Extracted by: KM
Extraction Method: SW846 3510
Analyst: JCG
Analysis Method: SW846 8270C
Lab Prep Batch: WG40233
Units: ug/L

COMPOUND	LCS SPIKE	SAMPLE CONC.	LCS CONC.	%REC.	QC. LIMITS
1,2,4,5-Tetrachlorobenzene	50	NA	40	81	30-150
2,4,6-Trichlorophenol	100	NA	84	84	69-105
2,4,5-Trichlorophenol	100	NA	90	90	58-117
2-Chloronaphthalene	50	NA	47	93	33-119
1,1'-Biphenyl	50	NA	44	88	60-129
2-Nitroaniline	50	NA	45	91	45-127
1,4-Naphthoquinone		NA			30-150
Dimethyl Phthalate	50	NA	39	77	10-149
1,3-Dinitrobenzene	50	NA	39	78	30-150
2,6-Dinitrotoluene	50	NA	42	85	51-120
Acenaphthylene	50	NA	42	84	49-117
3-Nitroaniline	50	NA	44	88	20-125
Acenaphthene	50	NA	43	86	45-116
2,4-Dinitrophenol	100	NA	74	74	15-140
Pentachlorobenzene	50	NA	46	93	30-150
Dibenzofuran	50	NA	43	86	53-124
4-Nitrophenol	100	NA	38	38	10-158
2,4-Dinitrotoluene	50	NA	45	89	44-133
1-Naphthylamine	50	NA	48	96	30-150
2,3,4,6-Tetrachlorophenol	100	NA	84	84	30-150
2-Naphthylamine	50	NA	106	* 212	30-150
Diethylphthalate	50	NA	44	87	20-139
Fluorene	50	NA	42	85	46-127
4-Chlorophenyl-phenylether	50	NA	42	84	48-136
5-Nitro-O-Toluidine	50	NA	50	99	30-150
4-Nitroaniline	50	NA	44	89	15-145
4,6-Dinitro-2-Methylphenol	100	NA	93	93	10-150
N-Nitrosodiphenylamine/DPA	50	NA	83	* 167	30-150
Diallate	50	NA	50	101	30-150
1,3,5-Trinitrobenzene	50	NA	40	80	30-150
4-Bromophenyl-phenylether	50	NA	47	94	68-129
Phenacetin	50	NA	52	104	30-150
Hexachlorobenzene	50	NA	48	96	67-141
Dimethoate	50	NA	27	54	30-150
Atrazine	50	NA	48	96	22-189
Pentachlorophenol	100	NA	115	115	10-174
Pentachloronitrobenzene	50	NA	56	111	30-150
4-Aminobiphenyl	50	NA	61	123	30-150
Pronamide	50	NA	51	103	30-150
Phenanthrene	50	NA	45	91	51-139
Anthracene	50	NA	45	91	53-133
Carbazole	50	NA	49	98	35-157
Di-n-butylphthalate	50	NA	51	102	14-165
4-Nitroquinoline-1-Oxide	50	NA	38	77	30-150
Methapyrilene	50	NA	56	112	30-150

Sample Data Summary A0000116

KATAHDIN ANALYTICAL SERVICES
LAB CONTROL SAMPLE

Client:
Project: CTO 0029 NAS Pensacola
PO No:
Sample Date:
Received Date:
Extraction Date: 06/19/07
Analysis Date: 06/26/07
Report Date: 06/28/2007
Matrix: WATER

Lab ID: WG40233-2
Client ID: WG40233-LCS
SDG: CTO29-1
Extracted by: KM
Extraction Method: SW846 3510
Analyst: JCG
Analysis Method: SW846 8270C
Lab Prep Batch: WG40233
Units: ug/L

COMPOUND	LCS SPIKE	SAMPLE CONC.	LCS CONC.	%REC.	QC. LIMITS
Isodrin	50	NA	50	100	30-150
Fluoranthene	50	NA	47	95	32-172
Pyrene	50	NA	55	109	49-119
Aramite		NA			30-150
p-Dimethylaminoazobenzene	50	NA	58	116	30-150
Chlorobenzilate	50	NA	48	97	30-150
3,3'-Dimethylbenzidine	50	NA	100	* 200	30-150
Butylbenzylphthalate	50	NA	59	118	30-126
2-Acetylaminofluorene	50	NA	49	97	30-150
Benzo(a)anthracene	50	NA	45	90	53-111
3,3'-Dichlorobenzidine	50	NA	69	* 138	38-101
Chrysene	50	NA	45	90	59-120
bis(2-Ethylhexyl)phthalate	50	NA	63	* 126	39-125
Di-n-octylphthalate	50	NA	68	135	31-136
Benzo(b)fluoranthene	50	NA	46	92	52-120
7,12-Dimethylbenz(A)Anthracen	50	NA	50	100	30-150
Benzo(k)fluoranthene	50	NA	45	91	56-126
Hexachlorophene		NA			30-150
Benzo(a)pyrene	50	NA	42	84	51-120
3-Methylcholanthrene	50	NA	43	86	30-150
Indeno(1,2,3-cd)pyrene	50	NA	42	83	32-143
Dibenzo(a,h)anthracene	50	NA	44	88	37-134
Benzo(g,h,i)perylene	50	NA	45	91	32-143

Sample Data Summary A0000117

KATAHDIN ANALYTICAL SERVICES
MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Client: Tetra Tech NUS, Inc
Project: CTO 0029 NAS Pensacola
PO No:
Sample Date: 06/12/07
Received Date: 06/15/07
Extraction Date: 06/19/07
Analysis Date: 06/26/07
Report Date: 06/28/2007
Matrix: WATER

Lab ID: WG40233-3 & WG40233-4
Client ID: OLFS4-MW40-0607MS & OLFS4-MW40-0607MSD
SDG: CTO29-1
Extracted by: KM
Extraction Method: SW846 3510
Analyst: JCG
Analysis Method: SW846 8270C
Lab Prep Batch: WG40233
Units: ug/L

COMPOUND	MS SPIKE	MSD SPIKE	SAMPLE CONC.	MS CONC.	MSD CONC.	MS %REC.	MSD %REC.	%RPD	%RPD LIMIT	QC. LIMITS
N-Nitrosodimethylamine	50	50	0.00	25	24	51	49	4	30	13-111
Pyridine	50	50	0.00	18	19	35	39	9	30	10-101
2-Picoline	50	50	0.00	34	28	69	57	19	30	30-150
N-Nitrosomethylethylamine	50	50	0.00	40	34	80	69	15	30	30-150
Methyl Methanesulfonate	99	99	0.00	73	65	74	66	11	30	30-150
N-Nitrosodiethylamine	50	50	0.00	39	36	80	74	8	30	30-150
Ethyl Methanesulfonate	99	99	0.00	83	76	84	76	9	30	30-150
Benzaldehyde	50	50	0.00	11	12	* 22	* 24	11	30	30-150
Aniline	50	50	0.00	25	23	50	47	7	30	29-102
Phenol	99	99	0.00	34	31	34	31	8	30	10-126
Bis(2-Chloroethyl)ether	50	50	0.00	37	35	75	70	7	30	35-109
2-Chlorophenol	99	99	0.00	71	65	72	65	10	30	52-112
Benzyl alcohol	50	50	0.00	35	31	71	62	13	30	13-134
2-Methylphenol	99	99	0.00	65	60	66	61	7	30	31-105
Bis(2-Chloroisopropyl)ether	50	50	0.00	35	33	72	67	6	30	32-108
N-Nitrosopyrrolidine	50	50	0.00	34	32	69	65	5	30	30-150
Acetophenone	99	99	0.00	76	70	77	70	8	30	39-123
N-Nitroso-di-n-propylamine	50	50	0.00	37	35	75	70	6	30	36-106
o-Toluidine	50	50	0.00	44	42	89	85	6	30	30-150
3&4-Methylphenol	99	99	0.00	60	57	60	57	5	30	24-116
N-Nitrosomorpholine	50	50	0.00	40	38	80	76	5	30	30-150
Hexachloroethane	50	50	0.00	35	32	70	65	7	30	30- 95
Nitrobenzene	50	50	0.00	37	34	74	68	8	30	44-112
N-Nitrosopiperidine	50	50	0.00	43	41	88	83	6	30	30-150
Isophorone	50	50	0.00	40	39	81	78	4	30	50-110
2-Nitrophenol	99	99	0.00	73	68	74	69	7	30	49-108
2,4-Dimethylphenol	99	99	0.00	59	56	60	56	6	30	48-105
O,O,O-Triethylphosphorothioat	50	50	0.00	40	38	82	77	6	30	30-150
Bis(2-Chloroethoxy)methane	50	50	0.00	40	36	81	72	12	30	52-101
2,4-Dichlorophenol	99	99	0.00	76	72	77	73	5	30	57-110
1,2,4-Trichlorobenzene	50	50	0.00	36	33	73	67	8	30	31-114
Naphthalene	50	50	0.00	38	36	78	72	8	30	33-109
A,A-Dimethylphenethylamine	50	50	0.00	0.0	0.0 *	0 *	0		30	30-150
2,6-Dichlorophenol	99	99	0.00	86	80	87	81	7	30	30-150
4-Chloroaniline	50	50	0.00	42	39	84	79	6	30	29- 98
Hexachloropropene	50	50	0.00	33	31	66	62	7	30	30-150
Hexachlorobutadiene	50	50	0.00	36	33	73	66	11	30	30-107
N-Nitroso-Di-N-Butylamine	50	50	0.00	43	41	86	82	5	30	30-150
p-Phenylenediamine	50	50	0.00	0.0	0.0 *	0 *	0		30	30-150
Caprolactam	50	50	0.00	13	13	27	26	2	30	10-172
4-Chloro-3-Methylphenol	99	99	0.00	85	82	86	83	3	30	46-150
Safrole	50	50	0.00	45	44	91	88	3	30	30-150
Isosafrole	50	50	0.00	38	36	76	72	5	30	30-150
2-Methylnaphthalene	50	50	0.00	39	37	79	74	6	30	48-121
Hexachlorocyclopentadiene	50	50	0.00	26	25	52	51	3	30	10-106

FORM III SV-1
U8334.D & U8335.D

Sample Data Summary A0000112

KATAHDIN ANALYTICAL SERVICES
MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Client: Tetra Tech NUS, Inc
Project: CTO 0029 NAS Pensacola
PO No:
Sample Date: 06/12/07
Received Date: 06/15/07
Extraction Date: 06/19/07
Analysis Date: 06/26/07
Report Date: 06/28/2007
Matrix: WATER

Lab ID: WG40233-3 & WG40233-4
Client ID: OLFS4-MW40-0607MS & OLFS4-MW40-0607MSD
SDG: CTO29-1
Extracted by: KM
Extraction Method: SW846 3510
Analyst: JCG
Analysis Method: SW846 8270C
Lab Prep Batch: WG40233
Units: ug/L

COMPOUND	MS SPIKE	MSD SPIKE	SAMPLE CONC.	MS CONC.	MSD CONC.	MS %REC.	MSD %REC.	%RPD	%RPD LIMIT	QC. LIMITS
1,2,4,5-Tetrachlorobenzene	50	50	0.00	40	38	80	76	5	30	30-150
2,4,6-Trichlorophenol	99	99	0.00	82	81	83	82	0.8	30	69-105
2,4,5-Trichlorophenol	99	99	0.00	87	86	88	87	0.8	30	58-117
2-Chloronaphthalene	50	50	0.00	46	45	94	91	3	30	33-119
1,1'-Biphenyl	50	50	0.00	44	42	88	85	4	30	60-129
2-Nitroaniline	50	50	0.00	45	44	92	90	2	30	45-127
1,4-Naphthoquinone	50	50	0.00	10	12	* 21	* 25	17	30	30-150
Dimethyl Phthalate	50	50	0.00	43	42	87	84	4	30	10-149
1,3-Dinitrobenzene	50	50	0.00	39	39	79	78	2	30	30-150
2,6-Dinitrotoluene	50	50	0.00	44	41	88	83	5	30	51-120
Acenaphthylene	50	50	0.00	42	41	84	83	1	30	49-117
3-Nitroaniline	50	50	0.00	42	44	86	89	3	30	20-125
Acenaphthene	50	50	0.00	43	41	87	83	4	30	45-116
2,4-Dinitrophenol	99	99	0.00	65	68	66	69	4	30	15-140
Pentachlorobenzene	50	50	0.00	46	45	94	91	3	30	30-150
Dibenzofuran	50	50	0.00	43	42	87	85	2	30	53-124
4-Nitrophenol	99	99	0.00	36	36	37	37	0.0	30	10-158
2,4-Dinitrotoluene	50	50	0.00	44	43	89	87	3	30	44-133
1-Naphthylamine	50	50	0.00	49	49	98	99	0.4	30	30-150
2,3,4,6-Tetrachlorophenol	99	99	0.00	84	81	85	82	4	30	30-150
2-Naphthylamine	50	50	0.00	107	106	* 216	* 214	0.9	30	30-150
Diethylphthalate	50	50	0.00	45	43	91	87	4	30	20-139
Fluorene	50	50	0.00	43	42	86	84	3	30	46-127
4-Chlorophenyl-phenylether	50	50	0.00	43	41	86	83	4	30	48-136
5-Nitro-O-Toluidine	50	50	0.00	51	50	102	101	2	30	30-150
4-Nitroaniline	50	50	0.00	45	46	92	93	1	30	15-145
4,6-Dinitro-2-Methylphenol	99	99	0.00	95	92	96	93	3	30	10-150
N-Nitrosodiphenylamine/DPA	50	50	0.00	84	81	* 170	* 164	4	30	30-150
Diallate	50	50	0.00	50	49	101	99	2	30	30-150
1,3,5-Trinitrobenzene	50	50	0.00	49	46	98	93	6	30	30-150
4-Bromophenyl-phenylether	50	50	0.00	50	48	100	96	4	30	68-129
Phenacetin	50	50	0.00	51	50	104	100	3	30	30-150
Hexachlorobenzene	50	50	0.00	49	47	100	95	5	30	67-141
Dimethoate	50	50	0.00	40	38	81	76	6	30	30-150
Atrazine	50	50	0.00	53	51	107	103	3	30	22-189
Pentachlorophenol	99	99	0.00	108	107	109	108	0.9	30	10-174
Pentachloronitrobenzene	50	50	0.00	56	53	114	108	5	30	30-150
4-Aminobiphenyl	50	50	0.00	72	73	146	148	1	30	30-150
Pronamide	50	50	0.00	52	49	105	100	5	30	30-150
Phenanthrene	50	50	0.00	46	44	94	89	5	30	51-139
Anthracene	50	50	0.00	45	44	92	89	3	30	53-133
Carbazole	50	50	0.00	50	49	101	98	3	30	35-157
Di-n-butylphthalate	50	50	0.00	52	49	105	100	5	30	14-165
4-Nitroquinoline-1-Oxide	50	50	0.00	44	44	88	88	0.2	30	30-150
Methapyrilene	50	50	0.00	51	59	103	120	15	30	30-150

Sample Data Summary A0000113

KATAHDIN ANALYTICAL SERVICES
MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Client: Tetra Tech NUS, Inc
Project: CTO 0029 NAS Pensacola
PO No:
Sample Date: 06/12/07
Received Date: 06/15/07
Extraction Date: 06/19/07
Analysis Date: 06/26/07
Report Date: 06/28/2007
Matrix: WATER

Lab ID: WG40233-3 & WG40233-4
Client ID: OLFS4-MW40-0607MS & OLFS4-MW40-0607MSD
SDG: CTO29-1
Extracted by: KM
Extraction Method: SW846 3510
Analyst: JCG
Analysis Method: SW846 8270C
Lab Prep Batch: WG40233
Units: ug/L

COMPOUND	MS SPIKE	MSD SPIKE	SAMPLE CONC.	MS CONC.	MSD CONC.	MS %REC.	MSD %REC.	%RPD	%RPD LIMIT	QC. LIMITS
Isodrin	50	50	0.00	50	46	101	94	7	30	30-150
Fluoranthene	50	50	0.00	49	46	98	94	4	30	32-172
Pyrene	50	50	0.00	53	50	107	100	7	30	49-119
Aramite	50	50	0.00	0.0	0.0	* 0	* 0		30	30-150
p-Dimethylaminoazobenzene	50	50	0.00	55	51	111	103	8	30	30-150
Chlorobenzilate	50	50	0.00	57	51	114	103	11	30	30-150
3,3'-Dimethylbenzidine	50	50	0.00	117	115	* 236	* 232	2	30	30-150
Butylbenzylphthalate	50	50	0.00	58	52	116	106	9	30	30-126
2-Acetylaminofluorene	50	50	0.00	48	46	96	92	4	30	30-150
Benzo(a)anthracene	50	50	0.00	46	44	92	89	4	30	53-111
3,3'-Dichlorobenzidine	50	50	0.00	69	69	* 138	* 140	1	30	38-101
Chrysene	50	50	0.00	44	43	88	86	3	30	59-120
bis(2-Ethylhexyl)phthalate	50	50	0.00	61	54	123	109	12	30	39-125
Di-n-octylphthalate	50	50	0.00	66	56	133	112	17	30	31-136
Benzo(b)fluoranthene	50	50	0.00	48	44	97	89	9	30	52-120
7,12-Dimethylbenz(A)Anthracen	50	50	0.00	46	41	92	83	10	30	30-150
Benzo(k)fluoranthene	50	50	0.00	48	44	97	90	8	30	56-126
Hexachlorophene	50	50	0.00	0.0	0.0	* 0	* 0		30	30-150
Benzo(a)pyrene	50	50	0.00	46	43	93	87	6	30	51-120
3-Methylcholanthrene	50	50	0.00	34	34	68	68	0.3	30	30-150
Indeno(1,2,3-cd)pyrene	50	50	0.00	44	44	90	88	2	30	32-143
Dibenzo(a,h)anthracene	50	50	0.00	47	47	96	94	1	30	37-134
Benzo(g,h,i)perylene	50	50	0.00	48	47	97	95	2	30	32-143

FORM III SV-1
U8334.D & U8335.D

Sample Data Summary A0000114

FORM 4
SEMIVOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE ID

WG40249-BLANK

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 0029 NAS PENSACOLA SDG No.: CTO29-1

Lab File ID: U8316 Lab Sample ID: WG40249-1RA

Instrument ID: GCMS-U Date Extracted: 06/20/07

Matrix: (soil/water) WATER Date Analyzed: 06/25/07

Level: (low/med) LOW Time Analyzed: 1607

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	OLFS4-MW44-0607	SA3013-17	U8318	06/25/07	1740
02	OLFS4-MW42-0607	SA3013-19	U8319	06/25/07	1829
03	OLFS4-MW43-0607	SA3013-21	U8320	06/25/07	1920
04	WG40249-LCS	WG40249-2RA	U8321	06/25/07	2011
05					
06					
07					
08					
09					
10					
11					
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COMMENTS:

FORM IV SV

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client:
Project: CTO 0029 NAS Pensacola
PO No:
Sample Date:
Received Date:
Extraction Date: 06/20/07
Analysis Date: 25-JUN-2007 16:07
Report Date: 06/28/2007
Matrix: WATER
% Solids: NA

Lab ID: WG40249-1RA
Client ID: WG40249-Blank
SDG: CTO29-1
Extracted by: KM
Extraction Method: SW846 3510
Analyst: JCG
Analysis Method: SW846 8270C
Lab Prep Batch: WG40249
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
62-75-9	N-Nitrosodimethylamine	U	5	1.0	10	10	5
110-86-1	Pyridine	U	2	1.0	50	50	2
109-06-8	2-Picoline	U	3	1.0	10	10	3
10595-95-6	N-Nitrosomethylethylamine	U	6	1.0	10	10	6
66-27-3	Methyl Methanesulfonate	U	7	1.0	10	10	7
55-18-5	N-Nitrosodiethylamine	U	4	1.0	10	10	4
62-50-0	Ethyl Methanesulfonate	U	7	1.0	10	10	7
100-52-7	Benzaldehyde	U	5	1.0	10	10	5
62-53-3	Aniline	U	6	1.0	25	25	6
108-95-2	Phenol	U	9	1.0	10	10	9
111-44-4	Bis(2-Chloroethyl)ether	U	4	1.0	10	10	4
95-57-8	2-Chlorophenol	U	9	1.0	10	10	9
100-51-6	Benzyl alcohol	U	9	1.0	20	20	9
95-48-7	2-Methylphenol	U	8	1.0	10	10	8
108-60-1	Bis(2-Chloroisopropyl)ether	U	4	1.0	10	10	4
930-55-2	N-Nitrosopyrrolidine	U	6	1.0	10	10	6
98-86-2	Acetophenone	U	5	1.0	10	10	5
621-64-7	N-Nitroso-di-n-propylamine	U	4	1.0	10	10	4
95-53-4	o-Toluidine	U	10	1.0	25	25	10
106-44-5	3&4-Methylphenol	U	9	1.0	10	10	9
59-89-2	N-Nitrosomorpholine	U	4	1.0	10	10	4
67-72-1	Hexachloroethane	U	3	1.0	10	10	3
98-95-3	Nitrobenzene	U	2	1.0	10	10	2
100-75-4	N-Nitrosopiperidine	U	3	1.0	10	10	3
78-59-1	Isophorone	U	3	1.0	10	10	3
88-75-5	2-Nitrophenol	U	7	1.0	10	10	7
105-67-9	2,4-Dimethylphenol	U	7	1.0	10	10	7
126-68-1	O,O,O-Triethylphosphorothioat	U	3	1.0	10	10	3
111-91-1	Bis(2-Chloroethoxy)methane	U	4	1.0	10	10	4
120-83-2	2,4-Dichlorophenol	U	7	1.0	10	10	7
120-82-1	1,2,4-Trichlorobenzene	U	2	1.0	10	10	2
91-20-3	Naphthalene	U	3	1.0	10	10	3
122-09-8	A,A-Dimethylphenethylamine	U	16	1.0	25	25	16
87-65-0	2,6-Dichlorophenol	U	8	1.0	10	10	8
106-47-8	4-Chloroaniline	U	5	1.0	10	10	5
1888-71-7	Hexachloropropene	U	3	1.0	10	10	3
87-68-3	Hexachlorobutadiene	U	2	1.0	10	10	2
924-16-3	N-Nitroso-Di-N-Butylamine	U	8	1.0	10	10	8
106-50-3	p-Phenylenediamine	U	5	1.0	10	10	5
105-60-2	Caprolactam	U	9	1.0	10	10	9
59-50-7	4-Chloro-3-Methylphenol	U	10	1.0	10	10	10
94-59-7	Safrole	U	3	1.0	10	10	3
120-58-1	Isosafrole	U	5	1.0	10	10	5

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client:
Project: CTO 0029 NAS Pensacola
PO No:
Sample Date:
Received Date:
Extraction Date: 06/20/07
Analysis Date: 25-JUN-2007 16:07
Report Date: 06/28/2007
Matrix: WATER
% Solids: NA

Lab ID: WG40249-1RA
Client ID: WG40249-Blank
SDG: CTO29-1
Extracted by: KM
Extraction Method: SW846 3510
Analyst: JCG
Analysis Method: SW846 8270C
Lab Prep Batch: WG40249
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
91-57-6	2-Methylnaphthalene	U	4	1.0	10	10	4
77-47-4	Hexachlorocyclopentadiene	U	3	1.0	10	10	3
95-94-3	1,2,4,5-Tetrachlorobenzene	U	4	1.0	10	10	4
88-06-2	2,4,6-Trichlorophenol	U	7	1.0	10	10	7
95-95-4	2,4,5-Trichlorophenol	U	7	1.0	25	25	7
91-58-7	2-Chloronaphthalene	U	3	1.0	10	10	3
92-52-4	1,1'-Biphenyl	U	3	1.0	10	10	3
88-74-4	2-Nitroaniline	U	3	1.0	25	25	3
130-15-4	1,4-Naphthoquinone	U	4	1.0	10	10	4
131-11-3	Dimethyl Phthalate	U	4	1.0	10	10	4
99-65-0	1,3-Dinitrobenzene	U	5	1.0	10	10	5
606-20-2	2,6-Dinitrotoluene	U	4	1.0	10	10	4
208-96-8	Acenaphthylene	U	3	1.0	10	10	3
99-09-2	3-Nitroaniline	U	4	1.0	25	25	4
83-32-9	Acenaphthene	U	3	1.0	10	10	3
51-28-5	2,4-Dinitrophenol	U	23	1.0	25	25	23
608-93-5	Pentachlorobenzene	U	3	1.0	10	10	3
132-64-9	Dibenzofuran	U	3	1.0	10	10	3
100-02-7	4-Nitrophenol	U	16	1.0	25	25	16
121-14-2	2,4-Dinitrotoluene	U	4	1.0	10	10	4
134-32-7	1-Naphthylamine	U	3	1.0	10	10	3
58-90-2	2,3,4,6-Tetrachlorophenol	U	6	1.0	10	10	6
91-59-8	2-Naphthylamine	U	4	1.0	10	10	4
84-66-2	Diethylphthalate	U	4	1.0	10	10	4
86-73-7	Fluorene	U	3	1.0	10	10	3
7005-72-3	4-Chlorophenyl-phenylether	U	4	1.0	10	10	4
99-55-8	5-Nitro-O-Toluidine	U	5	1.0	10	10	5
100-01-6	4-Nitroaniline	U	5	1.0	25	25	5
534-52-1	4,6-Dinitro-2-Methylphenol	U	11	1.0	25	25	11
86-30-6	N-Nitrosodiphenylamine/DPA	U	5	1.0	10	10	5
2303-16-4	Diallate	U	5	1.0	10	10	5
99-35-4	1,3,5-Trinitrobenzene	U	6	1.0	10	10	6
101-55-3	4-Bromophenyl-phenylether	U	3	1.0	10	10	3
62-44-2	Phenacetin	U	6	1.0	10	10	6
118-74-1	Hexachlorobenzene	U	3	1.0	10	10	3
60-51-5	Dimethoate	U	8	1.0	10	10	8
1912-24-9	Atrazine	U	5	1.0	10	10	5
87-86-5	Pentachlorophenol	U	17	1.0	25	25	17
82-68-8	Pentachloronitrobenzene	U	4	1.0	10	10	4
92-67-1	4-Aminobiphenyl	U	4	1.0	10	10	4
23950-58-5	Pronamide	U	5	1.0	10	10	5
85-01-8	Phenanthrene	U	3	1.0	10	10	3
120-12-7	Anthracene	U	3	1.0	10	10	3

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client:
Project: CTO 0029 NAS Pensacola
PO No:
Sample Date:
Received Date:
Extraction Date: 06/20/07
Analysis Date: 25-JUN-2007 16:07
Report Date: 06/28/2007
Matrix: WATER
% Solids: NA

Lab ID: WG40249-1RA
Client ID: WG40249-Blank
SDG: CTO29-1
Extracted by: KM
Extraction Method: SW846 3510
Analyst: JCG
Analysis Method: SW846 8270C
Lab Prep Batch: WG40249
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
86-74-8	Carbazole	U	4	1.0	10	10	4
84-74-2	Di-n-butylphthalate	U	7	1.0	10	10	7
56-57-5	4-Nitroquinoline-1-Oxide	U	10	1.0	25	25	10
91-80-5	Methapyrilene	U	9	1.0	10	10	9
465-73-6	Isodrin	U	4	1.0	10	10	4
206-44-0	Fluoranthene	U	8	1.0	10	10	8
129-00-0	Pyrene	U	7	1.0	10	10	7
140-57-8	Aramite	U	8	1.0	20	20	8
60-11-7	p-Dimethylaminoazobenzene	U	6	1.0	10	10	6
510-15-6	Chlorobenzilate	U	8	1.0	10	10	8
119-93-7	3,3'-Dimethylbenzidine	U	6	1.0	10	10	6
85-68-7	Butylbenzylphthalate	U	6	1.0	10	10	6
53-96-3	2-Acetylaminofluorene	U	5	1.0	10	10	5
56-55-3	Benzo(a)anthracene	U	3	1.0	10	10	3
91-94-1	3,3'-Dichlorobenzidine	U	4	1.0	10	10	4
218-01-9	Chrysene	U	3	1.0	10	10	3
117-81-7	bis(2-Ethylhexyl)phthalate	U	8	1.0	10	10	8
117-84-0	Di-n-octylphthalate	U	5	1.0	10	10	5
205-99-2	Benzo(b)fluoranthene	U	4	1.0	10	10	4
57-97-6	7,12-Dimethylbenz(A)Anthracen	U	4	1.0	10	10	4
207-08-9	Benzo(k)fluoranthene	U	5	1.0	10	10	5
70-30-4	Hexachlorophene	U	5	1.0	10	10	5
50-32-8	Benzo(a)pyrene	U	3	1.0	10	10	3
56-49-5	3-Methylcholanthrene	U	7	1.0	10	10	7
193-39-5	Indeno(1,2,3-cd)pyrene	U	7	1.0	10	10	7
53-70-3	Dibenzo(a,h)anthracene	U	8	1.0	10	10	8
191-24-2	Benzo(g,h,i)perylene	U	8	1.0	10	10	8
367-12-4	2-Fluorophenol		60%				
13127-88-3	Phenol-D6		32%				
4165-60-0	Nitrobenzene-D5		77%				
321-60-8	2-Fluorobiphenyl		87%				
118-79-6	2,4,6-Tribromophenol		76%				
1718-51-0	Terphenyl-D14		98%				

KATAHDIN ANALYTICAL SERVICES
LAB CONTROL SAMPLE

Client:
Project: CTO 0029 NAS Pensacola
PO No:
Sample Date:
Received Date:
Extraction Date: 06/20/07
Analysis Date: 06/25/07
Report Date: 07/11/2007
Matrix: WATER

Lab ID: WG40249-2RA
Client ID: WG40249-LCS
SDG: CTO29-1
Extracted by: KM
Extraction Method: SW846 3510
Analyst: JCG
Analysis Method: SW846 8270C
Lab Prep Batch: WG40249
Units: ug/L

COMPOUND	LCS SPIKE	SAMPLE CONC.	LCS CONC.	%REC.	QC. LIMITS
N-Nitrosodimethylamine	50	NA	33	65	13-111
Pyridine	50	NA	29	59	10-101
2-Picoline	50	NA	42	85	30-150
N-Nitrosomethylethylamine	50	NA	47	94	30-150
Methyl Methanesulfonate	100	NA	80	80	30-150
N-Nitrosodiethylamine	50	NA	48	96	30-150
Ethyl Methanesulfonate	100	NA	95	95	30-150
Benzaldehyde	50	NA	22	45	30-150
Aniline	50	NA	45	90	29-102
Phenol	100	NA	43	43	10-126
Bis(2-Chloroethyl)ether	50	NA	44	88	35-109
2-Chlorophenol	100	NA	85	85	52-112
Benzyl alcohol	50	NA	43	86	13-134
2-Methylphenol	100	NA	81	81	31-105
Bis(2-Chloroisopropyl)ether	50	NA	43	87	32-108
N-Nitrosopyrrolidine	50	NA	36	73	30-150
Acetophenone	100	NA	85	85	39-123
N-Nitroso-di-n-propylamine	50	NA	42	83	36-106
o-Toluidine	50	NA	50	101	30-150
3&4-Methylphenol	100	NA	76	76	24-116
N-Nitrosomorpholine	50	NA	45	90	30-150
Hexachloroethane	50	NA	31	62	30- 95
Nitrobenzene	50	NA	43	85	44-112
N-Nitrosopiperidine	50	NA	49	99	30-150
Isophorone	50	NA	44	88	50-110
2-Nitrophenol	100	NA	84	84	49-108
2,4-Dimethylphenol	100	NA	91	91	48-105
O,O,O-Triethylphosphorothioat	50	NA	46	92	30-150
Bis(2-Chloroethoxy)methane	50	NA	46	92	52-101
2,4-Dichlorophenol	100	NA	91	91	57-110
1,2,4-Trichlorobenzene	50	NA	35	69	31-114
Naphthalene	50	NA	40	80	33-109
A,A-Dimethylphenethylamine		NA			30-150
2,6-Dichlorophenol	100	NA	98	98	30-150
4-Chloroaniline	50	NA	48	95	29- 98
Hexachloropropene	50	NA	28	55	30-150
Hexachlorobutadiene	50	NA	32	65	30-107
N-Nitroso-Di-N-Butylamine	50	NA	47	93	30-150
p-Phenylenediamine		NA			30-150
Caprolactam	50	NA	18	36	10-172
4-Chloro-3-Methylphenol	100	NA	100	100	46-150
Safrole	50	NA	46	92	30-150
Isosafrole	50	NA	41	82	30-150
2-Methylnaphthalene	50	NA	41	83	48-121
Hexachlorocyclopentadiene	50	NA	18	35	10-106

KATAHDIN ANALYTICAL SERVICES
LAB CONTROL SAMPLE

Client:
Project: CTO 0029 NAS Pensacola
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Analysis Date: 06/25/07
Report Date: 07/11/2007
Matrix: WATER

Lab ID: WG40249-2RA
Client ID: WG40249-LCS
SDG: CTO29-1
Extracted by: KM
Extraction Method: SW846 3510
Analyst: JCG
Analysis Method: SW846 8270C
Lab Prep Batch: WG40249
Units: ug/L

COMPOUND	LCS SPIKE	SAMPLE CONC.	LCS CONC.		%REC.	QC. LIMITS
1,2,4,5-Tetrachlorobenzene	50	NA	40		80	30-150
2,4,6-Trichlorophenol	100	NA	91		91	69-105
2,4,5-Trichlorophenol	100	NA	103		103	58-117
2-Chloronaphthalene	50	NA	41		81	33-119
1,1'-Biphenyl	50	NA	42		84	60-129
2-Nitroaniline	50	NA	50		100	45-127
1,4-Naphthoquinone		NA				30-150
Dimethyl Phthalate	50	NA	21		42	10-149
1,3-Dinitrobenzene	50	NA	45		91	30-150
2,6-Dinitrotoluene	50	NA	48		95	51-120
Acenaphthylene	50	NA	44		88	49-117
3-Nitroaniline	50	NA	51		101	20-125
Acenaphthene	50	NA	44		87	45-116
2,4-Dinitrophenol	100	NA	80		80	15-140
Pentachlorobenzene	50	NA	48		95	30-150
Dibenzofuran	50	NA	45		91	53-124
4-Nitrophenol	100	NA	41		41	10-158
2,4-Dinitrotoluene	50	NA	49		98	44-133
1-Naphthylamine	50	NA	57		115	30-150
2,3,4,6-Tetrachlorophenol	100	NA	91		91	30-150
2-Naphthylamine	50	NA	140	*	280	30-150
Diethylphthalate	50	NA	37		75	20-139
Fluorene	50	NA	45		90	46-127
4-Chlorophenyl-phenylether	50	NA	44		88	48-136
5-Nitro-O-Toluidine	50	NA	58		115	30-150
4-Nitroaniline	50	NA	57		114	15-145
4,6-Dinitro-2-Methylphenol	100	NA	108		108	10-150
N-Nitrosodiphenylamine/DPA	50	NA	90	*	180	30-150
Diallate	50	NA	55		109	60-140
1,3,5-Trinitrobenzene	50	NA	38		75	30-150
4-Bromophenyl-phenylether	50	NA	52		104	68-129
Phenacetin	50	NA	57		114	30-150
Hexachlorobenzene	50	NA	52		103	67-141
Dimethoate	50	NA	11	*	22	30-150
Atrazine	50	NA	57		114	22-189
Pentachlorophenol	100	NA	121		121	10-174
Pentachloronitrobenzene	50	NA	57		114	30-150
4-Aminobiphenyl	50	NA	91	*	182	30-150
Pronamide	50	NA	54		109	30-150
Phenanthrene	50	NA	50		101	51-139
Anthracene	50	NA	49		99	53-133
Carbazole	50	NA	59		117	35-157
Di-n-butylphthalate	50	NA	52		104	14-165
4-Nitroquinoline-1-Oxide	50	NA	41		81	30-150
Methapyrilene	50	NA	82	*	164	30-150

LOW

FORM III SV-1
U8321.D

KATAHDIN ANALYTICAL SERVICES
LAB CONTROL SAMPLE

Client:
Project: CTO 0029 NAS Pensacola
PO No:
Sample Date:
Received Date:
Extraction Date: 06/20/07
Analysis Date: 06/25/07
Report Date: 07/11/2007
Matrix: WATER

Lab ID: WG40249-2RA
Client ID: WG40249-LCS
SDG: CTO29-1
Extracted by: KM
Extraction Method: SW846 3510
Analyst: JCG
Analysis Method: SW846 8270C
Lab Prep Batch: WG40249
Units: ug/L

COMPOUND	LCS SPIKE	SAMPLE CONC.	LCS CONC.		%REC.	QC. LIMITS
Isodrin	50	NA	54		107	30-150
Fluoranthene	50	NA	53		106	32-172
Pyrene	50	NA	55		110	49-119
Aramite		NA				30-150
p-Dimethylaminoazobenzene	50	NA	59		119	30-150
Chlorobenzilate	50	NA	20		40	30-150
3,3'-Dimethylbenzidine	50	NA	121	*	242	30-150
Butylbenzylphthalate	50	NA	49		98	30-126
2-Acetylaminofluorene	50	NA	59		117	30-150
Benzo(a)anthracene	50	NA	50		100	53-111
3,3'-Dichlorobenzidine	50	NA	82	*	163	38-101
Chrysene	50	NA	49		99	59-120
bis(2-Ethylhexyl)phthalate	50	NA	62		125	39-125
Di-n-octylphthalate	50	NA	61		122	31-136
Benzo(b)fluoranthene	50	NA	50		99	52-120
7,12-Dimethylbenz(A)Anthracen	50	NA	50		100	30-150
Benzo(k)fluoranthene	50	NA	48		97	56-126
Hexachlorophene		NA				30-150
Benzo(a)pyrene	50	NA	48		97	51-120
3-Methylcholanthrene	50	NA	50		100	30-150
Indeno(1,2,3-cd)pyrene	50	NA	42		84	32-143
Dibenzo(a,h)anthracene	50	NA	48		96	37-134
Benzo(g,h,i)perylene	50	NA	47		94	32-143

FORM 5

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 0029 NAS PENSACOLA SDG No.: CTO29-1

Lab File ID: UD476 DFTPP Injection Date: 06/04/07

Instrument ID: GCMS-U DFTPP Injection Time: 1512

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	52.2
68	Less than 2.0% of mass 69	0.6 (1.1)1
69	Less than 100.0% of mass 198	50.3
70	Less than 2.0% of mass 69	0.0 (0.0)1
127	40.0 - 60.0% of mass 198	42.6
197	Less than 1.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100.0
199	5.0 to 9.0% of mass 198	7.0
275	10.0 - 30.0% of mass 198	24.9
365	1.0 - 100.0% of mass 198	3.8
441	0.0 - 100.0% of mass 443	12.4 (78.0)2
442	40.0 - 100.0% of mass 198	84.8
443	17.0 - 23.0% of mass 442	15.9 (18.8)3

1-Value is % mass 69 2-Value is % mass 443

3-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01		SSTD200U0604B	U8141	06/04/07	1533
02		SSTD150U0604B	U8142	06/04/07	1618
03		SSTD100U0604B	U8143	06/04/07	1703
04		SSTD050U0604B	U8144	06/04/07	1748
05		SSTD025U0604B	U8145	06/04/07	1838
06		SSTD010U0604B	U8146	06/04/07	1928
07		SSTD050U0604A	U8147	06/04/07	2018
08		SSTD200U0604A	U8148	06/04/07	2108
09		SSTD150U0604A	U8149	06/04/07	2159
10		SSTD100U0604A	U8150	06/04/07	2250
11		SSTD025U0604A	U8151	06/04/07	2341
12		SSTD010U0604A	U8152	06/05/07	0032
13					
14					
15					
16					
17					
18					
19					
20					

FORM V SV

FORM 6
SEMIVOLATILE INITIAL CALIBRATION DATA

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project CTO 0029 NAS PENSACOLA SDG No.: CTO29-1

Instrument ID: GCMS-U Calibration Date(s): 06/04/07 06/04/07

Column: DB5-MS ID: 0.25 (mm) Calibration Time(s): 1533 1928

LAB FILE ID: RF10: U8146 RF25: U8145 RF50: U8144
RF100: U8143 RF150: U8142 RF200: U8141

COMPOUND	RF10	RF25	RF50	RF100	RF150	RF200	CURVE	COEFFICENTS A0	A1	A2	%RSD OR R^2	MAX %R OR R^
1,4-Dioxane	0.424	0.497	0.458	0.420	0.465	0.443	AVRG		0.45103762		6.376	15.000
2-Picoline	1.078	1.434	1.453	1.324	1.527	1.389	AVRG		1.36750823		11.480	15.000
Ethyl Methacrylate	1.259	1.418	1.291	1.190	1.311	1.236	AVRG		1.28406432		6.066	15.000
N-Nitrosomethylethylamine	0.428	0.566	0.560	0.538	0.593	0.560	AVRG		0.54094591		10.732	15.000
Methyl Methanesulfonate	0.825	0.971	0.925	0.917	0.948	0.905	AVRG		0.91526028		5.499	15.000
N-Nitrosodiethylamine	0.497	0.574	0.551	0.522	0.581	0.553	AVRG		0.54657371		5.783	15.000
Ethyl Methanesulfonate	0.974	1.115	1.101	1.011	1.118	1.080	AVRG		1.06668801		5.622	15.000
Pentachloroethane	0.476	0.549	0.506	0.476	0.513	0.479	AVRG		0.49983322		5.778	15.000
N-Nitrosopyrrolidine	0.365	0.460	0.490	0.451	0.538	0.509	AVRG		0.46894364		12.807	15.000
o-Toluidine	0.360	0.363	0.365	0.399	0.498	0.472	AVRG		0.40970372		14.888	15.000
N-Nitrosomorpholine	0.752	0.884	0.907	0.854	0.941	0.841	AVRG		0.86319028		7.573	15.000
N-Nitrosopiperidine	0.138	0.169	0.158	0.147	0.160	0.150	AVRG		0.15363079		7.053	15.000
O,O,O-Triethylphosphorothi	0.170	0.205	0.196	0.180	0.196	0.178	AVRG		0.18780234		7.042	15.000
A,A-Dimethylphenethylamin	0.485	0.505	0.420	0.686	0.966	0.869	AVRG		0.65507138		34.105	15.000
2,6-Dichlorophenol	0.222	0.278	0.276	0.251	0.273	0.250	AVRG		0.25851492		8.376	15.000
Hexachloropropene	0.278	0.327	0.300	0.276	0.284	0.271	AVRG		0.28930514		7.296	15.000
N-Nitroso-Di-N-Butylamine	0.201	0.294	0.288	0.266	0.265	0.246	AVRG		0.26008395		13.041	15.000
p-Phenylenediamine			0.037	0.065	0.079	0.118	AVRG		7.483e-002		45.350	15.000
Isosafrole	0.243	0.280	0.273	0.253	0.273	0.249	AVRG		0.26179462		5.850	15.000
1,2,4,5-Tetrachlorobenzen	0.688	0.766	0.688	0.606	0.652	0.588	AVRG		0.66477880		9.664	15.000
Diethyl Adipate	0.285	0.331	0.318	0.296	0.315	0.292	AVRG		0.30612935		5.778	15.000
Safrole	0.240	0.275	0.258	0.224	0.239	0.213	AVRG		0.24132353		9.266	15.000
1-Chloronaphthalene	0.339	0.365	0.344	0.304	0.375	0.349	AVRG		0.34607960		7.105	15.000
Diphenylether	0.739	0.817	0.770	0.690	0.727	0.678	AVRG		0.73683512		7.014	15.000
1,4-Naphthoquinone	0.324	0.401	0.391	0.351	0.348	0.242	AVRG		0.34297846		16.670	15.000
Pentachlorobenzene	0.568	0.620	0.592	0.528	0.571	0.527	AVRG		0.56774826		6.360	15.000
1-Naphthylamine	0.610	0.628	0.607	0.520	0.529	0.616	AVRG		0.58513091		8.148	15.000
2-Naphthylamine	55838	101800	172350	390910	628950	1480200	2ORDR	-0.1633056	6.38934370	-1.9024056	0.99515	0.99000
5-Nitro-O-Toluidine	0.194	0.244	0.260	0.256	0.281	0.262	AVRG		0.24957270		11.871	15.000
0,0-diethyl-o-2-pyrazinyl	0.176	0.208	0.218	0.204	0.220	0.189	AVRG		0.20256204		8.395	15.000
Sulfotepp	0.116	0.132	0.135	0.125	0.134	0.128	AVRG		0.12857536		5.432	15.000
Diallate	0.248	0.282	0.275	0.257	0.280	0.265	AVRG		0.26794782		5.110	15.000
1,3,5-Trinitrobenzene	9139	36006	109670	284980	386700	448190	LINR	0.10156956	13.2661216		0.99781	0.99000
Phorate	0.507	0.618	0.634	0.580	0.620	0.582	AVRG		0.59005189		7.832	15.000
Phenacetin	0.271	0.322	0.338	0.321	0.359	0.333	AVRG		0.32423394		9.044	15.000
Dimethoate	62835	154690	356160	750760	862990	934220	2ORDR	5.354e-002	2.96728369	4.64779715	0.99925	0.99000
Pentachloronitrobenzene	0.112	0.129	0.128	0.113	0.124	0.116	AVRG		0.12052252		6.280	15.000
4-Aminobiphenyl	88289	150330	380600	1135100	1619000	2291100	2ORDR	2.727e-002	3.99673078	-0.7128747	0.99902	0.99000
Pronamide	0.290	0.331	0.343	0.316	0.331	0.304	AVRG		0.31885787		6.188	15.000
Dinoseb	30865	112990	324480	796190	1116000	1252200	LINR	7.296e-002	4.72327217		0.99618	0.99000
Disulfoton	0.292	0.336	0.332	0.311	0.347	0.312	AVRG		0.32144915		6.260	15.000
Methyl Parathion	0.168	0.190	0.195	0.172	0.152	0.142	AVRG		0.16995952		12.185	15.000
4-Nitroquinoline-1-Oxide	0.023	0.043	0.073	0.084	0.081	0.065	AVRG		6.149e-002		38.832	15.000
Ethyl Parathion	0.072	0.084	0.094	0.090	0.095	0.085	AVRG		8.671e-002		9.468	15.000

FORM 6

SEMIVOLATILE INITIAL CALIBRATION DATA

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project CTO 0029 NAS PENSACOLA SDG No.: CTO29-1

Instrument ID: GCMS-U Calibration Date(s): 06/04/07 06/04/07

Column: DB5-MS ID: 0.25 (mm) Calibration Time(s): 1533 1928

LAB FILE ID: RF10: U8146 RF25: U8145 RF50: U8144

RF100: U8143 RF150: U8142 RF200: U8141

COMPOUND	RF10	RF25	RF50	RF100	RF150	RF200	CURVE	COEFFICENTS A0	COEFFICENTS A1	COEFFICENTS A2	%RSD OR R^2	MAX %R OR R^
Methapyrilene	0.150	0.160	0.168	0.149	0.135	0.125	AVRG		0.14787959		10.582	15.00
Isodrin	0.133	0.144	0.142	0.129	0.138	0.126	AVRG		0.13526998		5.325	15.00
Aramite	0.056	0.077	0.079	0.068	0.072	0.065	AVRG		6.949e-002		12.024	15.00
p-Dimethylaminoazobenzene	0.182	0.227	0.222	0.192	0.220	0.189	AVRG		0.20531142		9.568	15.00
Chlorobenzilate	0.304	0.355	0.343	0.294	0.335	0.312	AVRG		0.32388504		7.395	15.00
Famphur							AVRG					0.00
Kepone							AVRG					0.00
3,3'-Dimethylbenzidine	0.048	0.104	0.096	0.074	0.081	0.103	AVRG		8.443e-002		25.681	15.00
2-Acetylaminofluorene	58612	182660	573040	1415100	1779900	2016600	LINR	4.487e-002	3.08150095		0.99820	0.9900
7,12-Dimethylbenz(A)Anthr	0.460	0.548	0.581	0.543	0.577	0.550	AVRG		0.54321001		8.062	15.00
Hexachlorophene							AVRG					0.00
3-Methylcholanthrene	0.322	0.444	0.444	0.378	0.409	0.383	AVRG		0.39703846		11.699	15.00
Dibenz(a,j)acridine	0.597	0.742	0.756	0.684	0.753	0.723	AVRG		0.70918884		8.638	15.00

Average %RSD test result.

Calculate Average %RSD: 8.707122803

Maximum Average %RSD: 15.00000000

Note: Passes Average %RSD Test.

FORM VI SV

FORM 6
SEMIVOLATILE INITIAL CALIBRATION DATA

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project CTO 0029 NAS PENSACOLA SDG No.: CTO29-1

Instrument ID: GCMS-U Calibration Date(s): 06/04/07 06/05/07

Column: DB5-MS ID: 0.25 (mm) Calibration Time(s): 2018 0032

LAB FILE ID: RF10: U8152 RF25: U8151 RF50: U8147
RF100: U8150 RF150: U8149 RF200: U8148

COMPOUND	RF10	RF25	RF50	RF100	RF150	RF200	CURVE	COEFFICENTS A0	COEFFICENTS A1	COEFFICENTS A2	%RSD OR R^2	MAX %R OR R^
N-Nitrosodimethylamine	0.793	0.900	1.068	1.001	1.060	0.941	AVRG		0.96042603		10.936	15.00
Pyridine	1.359	1.332	1.489	1.452	1.476	1.425	AVRG		1.42222355		4.502	15.00
Benzaldehyde	0.915	0.877	0.858	0.794	0.727	0.658	AVRG		0.80474367		12.181	15.00
Aniline	1.689	2.022	2.047	2.005	1.991	1.846	AVRG		1.93349696		7.186	15.00
2,2'-Oxybis(1-Chloropropa	2.552	2.520	2.373	2.265	2.186	2.006	AVRG		2.31674325		8.976	15.00
Phenol	1.738	1.772	1.710	1.677	1.648	1.535	AVRG		1.68021994		4.967	15.00
Bis(2-Chloroethyl)ether	1.412	1.370	1.328	1.253	1.239	1.176	AVRG		1.29622577		6.841	15.00
2-Chlorophenol	1.287	1.280	1.232	1.189	1.190	1.109	AVRG		1.21454949		5.490	15.00
1,3-Dichlorobenzene	1.513	1.508	1.469	1.358	1.363	1.245	AVRG		1.40919701		7.496	15.00
1,4-Dichlorobenzene	1.570	1.530	1.503	1.401	1.369	1.281	AVRG		1.44218845		7.640	15.00
Benzyl alcohol	0.677	0.766	0.732	0.768	0.752	0.753	AVRG		0.74139106		4.567	15.00
2-Methylphenol	1.130	1.135	1.129	1.112	1.105	1.039	AVRG		1.10838135		3.228	15.00
Bis(2-Chloroisopropyl)eth	2.552	2.520	2.373	2.265	2.182	2.006	AVRG		2.31630934		8.987	15.00
1,2-Dichlorobenzene	1.496	1.416	1.395	1.312	1.283	1.194	AVRG		1.34952878		7.987	15.00
Acetophenone	0.549	0.528	0.514	0.508	0.485	0.445	AVRG		0.50485085		7.137	15.00
N-Nitroso-di-n-propylamin	1.055	1.064	1.050	1.016	0.966	0.983	AVRG		1.02213500		4.008	15.00
3&4-Methylphenol	1.093	1.204	1.128	1.123	1.126	1.081	AVRG		1.12576756		3.821	15.00
Hexachloroethane	0.666	0.650	0.642	0.603	0.599	0.549	AVRG		0.61802076		6.926	15.00
Nitrobenzene	0.460	0.472	0.447	0.443	0.422	0.404	AVRG		0.44130912		5.658	15.00
Isophorone	0.724	0.747	0.713	0.686	0.691	0.642	AVRG		0.70051489		5.198	15.00
2-Nitrophenol	0.176	0.190	0.182	0.185	0.180	0.166	AVRG		0.17988867		4.557	15.00
2,4-Dimethylphenol	0.373	0.394	0.370	0.363	0.360	0.331	AVRG		0.36535364		5.652	15.00
Bis(2-Chloroethoxy)methan	0.446	0.480	0.448	0.447	0.421	0.395	AVRG		0.43936640		6.561	15.00
Benzoic acid	0.154	0.170	0.166	0.188	0.188	0.181	AVRG		0.17455021		7.745	15.00
2,4-Dichlorophenol	0.294	0.313	0.308	0.300	0.291	0.269	AVRG		0.29591064		5.319	15.00
1,2,4-Trichlorobenzene	0.405	0.401	0.368	0.346	0.335	0.306	AVRG		0.36033913		10.672	15.00
Naphthalene	1.044	1.038	0.967	0.925	0.879	0.786	AVRG		0.93978758		10.490	15.00
4-Chloroaniline	0.279	0.370	0.393	0.394	0.364	0.338	AVRG		0.35613219		12.146	15.00
Hexachlorobutadiene	0.301	0.287	0.278	0.259	0.244	0.225	AVRG		0.26585516		10.670	15.00
4-Chloro-3-Methylphenol	0.301	0.337	0.320	0.324	0.296	0.286	AVRG		0.31059572		6.228	15.00
Caprolactam	0.090	0.103	0.088	0.094	0.089	0.097	AVRG		9.346e-002		6.070	15.00
2-Methylnaphthalene	0.702	0.685	0.648	0.624	0.596	0.543	AVRG		0.63295533		9.293	15.00
1-Methylnaphthalene	0.693	0.684	0.645	0.619	0.596	0.556	AVRG		0.63223050		8.308	15.00
Hexachlorocyclopentadiene	0.414	0.477	0.504	0.468	0.478	0.428	AVRG		0.46154062		7.397	15.00
2,4,6-Trichlorophenol	0.408	0.430	0.431	0.402	0.397	0.358	AVRG		0.40446758		6.668	15.00
2,4,5-Trichlorophenol	0.456	0.467	0.451	0.439	0.437	0.394	AVRG		0.44082491		5.759	15.00
2-Chloronaphthalene	0.378	0.369	0.367	0.342	0.346	0.314	AVRG		0.35271897		6.597	15.00
1,1'-Biphenyl	1.442	1.388	1.371	1.244	1.210	1.081	AVRG		1.28933738		10.480	15.00
2-Nitroaniline	0.379	0.414	0.427	0.412	0.406	0.372	AVRG		0.40168424		5.391	15.00
1,4-Dinitrobenzene	0.227	0.256	0.271	0.270	0.267	0.254	AVRG		0.25755792		6.432	15.00
Dimethyl Phthalate	1.371	1.354	1.319	1.223	1.194	1.093	AVRG		1.25916153		8.574	15.00
1,3-Dinitrobenzene	0.193	0.216	0.216	0.208	0.203	0.189	AVRG		0.20430245		5.612	15.00
2,6-Dinitrotoluene	0.322	0.324	0.327	0.307	0.303	0.272	AVRG		0.30919273		6.674	15.00
Acenaphthylene	1.797	1.739	1.733	1.573	1.531	1.364	AVRG		1.62292175		10.072	15.00

FORM 6

SEMIVOLATILE INITIAL CALIBRATION DATA

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project CTO 0029 NAS PENSACOLA SDG No.: CTO29-1

Instrument ID: GCMS-U Calibration Date(s): 06/04/07 06/05/07

Column: DB5-MS ID: 0.25 (mm) Calibration Time(s): 2018 0032

LAB FILE ID: RF10: U8152 RF25: U8151 RF50: U8147

RF100: U8150 RF150: U8149 RF200: U8148

								COEFFICENTS			%RSD	MAX %R
COMPOUND	RF10	RF25	RF50	RF100	RF150	RF200	CURVE	A0	A1	A2	OR R^2	OR R^
1,2-Dinitrobenzene	0.307	0.306	0.305	0.282	0.286	0.275	AVRG		0.29344015		4.858	15.00
3-Nitroaniline	22688	85958	197970	462420	659590	981100	LINR	6.536e-002	4.15198245		0.99510	0.9900
Acenaphthene	1.104	1.087	1.065	0.972	0.959	0.860	AVRG		1.00793250		9.356	15.00
2,4-Dinitrophenol	19554	80510	167190	384660	535670	838180	LINR	5.398e-002	4.97713905		0.99835	0.9900
Dibenzofuran	1.691	1.676	1.646	1.491	1.434	1.301	AVRG		1.53984354		10.199	15.00
4-Nitrophenol	20557	76747	165760	352330	515040	786450	LINR	4.19e-002	5.28876787		0.99788	0.9900
2,4-Dinitrotoluene	0.402	0.425	0.419	0.407	0.389	0.362	AVRG		0.40067055		5.722	15.00
2,3,5,6-Tetrachlorophenol	0.432	0.444	0.446	0.421	0.418	0.384	AVRG		0.42423027		5.388	15.00
2,3,4,6-Tetrachlorophenol	0.407	0.436	0.418	0.390	0.381	0.354	AVRG		0.39772525		7.242	15.00
Diethylphthalate	1.377	1.398	1.347	1.207	1.149	1.027	AVRG		1.25067287		11.829	15.00
Fluorene	1.407	1.417	1.369	1.255	1.223	1.094	AVRG		1.29417881		9.793	15.00
4-Chlorophenyl-phenylethe	0.801	0.770	0.767	0.700	0.680	0.616	AVRG		0.72227412		9.633	15.00
4-Nitroaniline	0.141	0.180	0.201	0.207	0.209	0.205	AVRG		0.19033925		13.775	15.00
4,6-Dinitro-2-Methylpheno	0.124	0.150	0.158	0.159	0.157	0.147	AVRG		0.14920619		8.991	15.00
N-Nitrosodiphenylamine/DP	0.625	0.628	0.609	0.569	0.578	0.516	AVRG		0.58772874		7.239	15.00
N-Nitrosodiphenylamine	0.625	0.628	0.609	0.569	0.578	0.516	AVRG		0.58772874		7.239	15.00
1,2-Diphenylhydrazine	0.894	0.872	0.839	0.792	0.869	0.766	AVRG		0.83854022		5.972	15.00
Azobenzene	0.874	0.863	0.839	0.792	0.868	0.766	AVRG		0.83382575		5.396	15.00
4-Bromophenyl-phenylether	0.275	0.271	0.260	0.243	0.242	0.214	AVRG		0.25083910		8.985	15.00
Hexachlorobenzene	0.296	0.287	0.279	0.258	0.259	0.232	AVRG		0.26858010		8.803	15.00
Atrazine	0.233	0.246	0.240	0.233	0.227	0.208	AVRG		0.23123914		5.785	15.00
Pentachlorophenol	0.149	0.176	0.174	0.171	0.170	0.157	AVRG		0.16607094		6.430	15.00
Phenanthrene	1.186	1.138	1.096	0.997	0.962	0.850	AVRG		1.03825944		12.036	15.00
Anthracene	1.150	1.140	1.074	0.989	0.952	0.835	AVRG		1.02334383		11.865	15.00
Carbazole	0.748	0.723	0.842	0.782	0.773	0.726	AVRG		0.76557614		5.804	15.00
Di-n-butylphthalate	1.213	1.245	1.180	1.069	1.003	0.892	AVRG		1.10033593		12.461	15.00
Fluoranthene	1.295	1.283	1.211	1.123	1.020	0.961	AVRG		1.14881114		12.037	15.00
Benzidine	11688	143140	481820	1329400	1533200	2828600	2ORDR	0.20239849	3.10225728	-0.1646097	0.99524	0.9900
Pyrene	1.164	1.144	1.121	1.026	1.068	0.969	AVRG		1.08207599		6.928	15.00
Butylbenzylphthalate	0.429	0.466	0.466	0.441	0.441	0.415	AVRG		0.44286044		4.516	15.00
Bis(2-ethylhexyl)adipate	0.307	0.344	0.341	0.342	0.347	0.329	AVRG		0.33510251		4.462	15.00
Benzo(a)anthracene	1.027	1.080	1.047	0.988	0.989	0.903	AVRG		1.00563914		6.092	15.00
3,3'-Dichlorobenzidine	0.139	0.160	0.146	0.240	0.245	0.228	AVRG		0.19292104		25.749	15.00
Chrysene	1.069	1.039	1.005	0.945	0.937	0.849	AVRG		0.97399002		8.229	15.00
bis(2-Ethylhexyl)phthalat	0.574	0.636	0.626	0.601	0.595	0.547	AVRG		0.59675811		5.534	15.00
Di-n-octylphthalate	1.000	1.218	1.228	1.254	1.220	1.189	AVRG		1.18489679		7.839	15.00
Benzo(b)fluoranthene	1.061	1.140	1.131	1.150	1.092	1.161	AVRG		1.12249230		3.408	15.00
Benzo(k)fluoranthene	1.439	1.344	1.303	1.208	1.228	1.044	AVRG		1.26111737		10.696	15.00
Benzo(a)pyrene	1.021	1.122	1.096	1.068	1.038	0.961	AVRG		1.05102848		5.480	15.00
Indeno(1,2,3-cd)pyrene	0.646	0.762	0.821	0.786	0.822	0.772	AVRG		0.76841081		8.416	15.00
Dibenzo(a,h)anthracene	0.831	0.883	0.878	0.848	0.897	0.790	AVRG		0.85445906		4.680	15.00
Benzo(g,h,i)perylene	0.956	0.955	0.965	0.881	0.883	0.780	AVRG		0.90342269		7.860	15.00
2-Fluorophenol	1.165	1.208	1.202	1.147	1.163	1.064	AVRG		1.15820439		4.472	15.00

FORM 6
SEMIVOLATILE INITIAL CALIBRATION DATA

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project CTO 0029 NAS PENSACOLA SDG No.: CTO29-1

Instrument ID: GCMS-U Calibration Date(s): 06/04/07 06/05/07

Column: DB5-MS ID: 0.25 (mm) Calibration Time(s): 2018 0032

LAB FILE ID: RF10: U8152 RF25: U8151 RF50: U8147
RF100: U8150 RF150: U8149 RF200: U8148

								COEFFICENTS			%RSD	MAX %R
COMPOUND	RF10	RF25	RF50	RF100	RF150	RF200	CURVE	A0	A1	A2	OR R^2	OR R^
Phenol-D6	1.443	1.494	1.502	1.450	1.452	1.356	AVRG		1.44933032		3.571	15.00
Nitrobenzene-D5	0.412	0.440	0.418	0.423	0.407	0.375	AVRG		0.41243740		5.239	15.00
2-Fluorobiphenyl	1.282	1.301	1.262	1.162	1.141	1.003	AVRG		1.19184985		9.508	15.00
2,4,6-Tribromophenol	0.240	0.247	0.247	0.231	0.224	0.212	AVRG		0.23338300		5.899	15.00
Terphenyl-D14	0.765	0.768	0.766	0.714	0.739	0.675	AVRG		0.73791673		5.061	15.00

Average %RSD test result.

Calculate Average %RSD: 8.707122803
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 0029 NAS PENSACOLA SDG No.: CTO29-1

Lab File ID: UD489 DFTPP Injection Date: 06/25/07

Instrument ID: GCMS-U DFTPP Injection Time: 0853

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	52.6
68	Less than 2.0% of mass 69	0.5 (1.0)1
69	Less than 100.0% of mass 198	48.6
70	Less than 2.0% of mass 69	0.2 (0.4)1
127	40.0 - 60.0% of mass 198	42.3
197	Less than 1.0% of mass 198	0.1
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	24.4
365	1.0 - 100.0% of mass 198	3.2
441	0.0 - 100.0% of mass 443	12.8 (78.4)2
442	40.0 - 100.0% of mass 198	83.1
443	17.0 - 23.0% of mass 442	16.4 (19.7)3

1-Value is % mass 69 2-Value is % mass 443

3-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01		SSTD050U0625B	U8307	06/25/07	0913
02		SSTD050U0625A	U8308	06/25/07	0958
03	WG40249-BLANK	WG40249-1RA	U8316	06/25/07	1607
04	OLFS4-MW44-0607	SA3013-17	U8318	06/25/07	1740
05	OLFS4-MW42-0607	SA3013-19	U8319	06/25/07	1829
06	OLFS4-MW43-0607	SA3013-21	U8320	06/25/07	1920
07	WG40249-LCS	WG40249-2RA	U8321	06/25/07	2011
08					
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16					
17					
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19					
20					

FORM V SV

FORM 7B
SEMIVOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 0029 NAS PENSACOLA SDG No.: CTO29-1

Instrument ID: GCMS-U Calibration Date: 06/25/07 Time: 0913

Lab File ID: U8307 Init. Calib. Date(s): 06/04/07 06/04/07

Init. Calib. Times: 1533 1928

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

COMPOUND	RRF or AMOUNT	RRF50.000 or AMOUNT	CCAL RRF50.000	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE
1,4-Dioxane	0.4510000	0.5059500	0.5059500	0.01	12.18	100.00	AVRG
2-Picoline	1.3680000	1.5239000	1.5239000	0.01	11.40	100.00	AVRG
Ethyl Methacrylate	1.2840000	1.3865000	1.3865000	0.01	7.98	100.00	AVRG
N-Nitrosomethylethylamine	0.5410000	0.6097700	0.6097700	0.01	12.71	100.00	AVRG
Methyl Methanesulfonate	0.9150000	0.9086600	0.9086600	0.01	-0.69	100.00	AVRG
N-Nitrosodiethylamine	0.5460000	0.6058600	0.6058600	0.01	10.96	100.00	AVRG
Ethyl Methanesulfonate	1.0660000	1.1413000	1.1413000	0.01	7.06	100.00	AVRG
Pentachloroethane	0.5000000	0.4993600	0.4993600	0.01	-0.13	100.00	AVRG
N-Nitrosopyrrolidine	0.4690000	0.4984800	0.4984800	0.01	6.28	100.00	AVRG
o-Toluidine	0.4100000	0.3935400	0.3935400	0.01	-4.01	100.00	AVRG
N-Nitrosomorpholine	0.8630000	0.8924000	0.8924000	0.01	3.41	100.00	AVRG
N-Nitrosopiperidine	0.1540000	0.1609900	0.1609900	0.01	4.54	100.00	AVRG
O,O,O-Triethylphosphorothioa	0.1880000	0.1887300	0.1887300	0.01	0.39	100.00	AVRG
A,A-Dimethylphenethylamine	0.6550000	0.7854100	0.7854100	0.01	19.91	100.00	AVRG
2,6-Dichlorophenol	0.2580000	0.2735900	0.2735900	0.01	6.04	100.00	AVRG
Hexachloropropene	0.2890000	0.2713100	0.2713100	0.01	-6.12	100.00	AVRG
N-Nitroso-Di-N-Butylamine	0.2600000	0.3141600	0.3141600	0.01	20.83	100.00	AVRG
p-Phenylenediamine	7.5e-002	6.66e-002	6.66e-002	0.01	-11.20	100.00	AVRG
Isosafrole	0.2620000	0.2700400	0.2700400	0.01	3.07	100.00	AVRG
1,2,4,5-Tetrachlorobenzene	0.6650000	0.6587700	0.6587700	0.01	-0.94	100.00	AVRG
Safrole	0.2420000	0.2357800	0.2357800	0.01	-2.57	100.00	AVRG
1-Chloronaphthalene	0.3460000	0.3299200	0.3299200	0.01	-4.65	100.00	AVRG
Diphenylether	0.7370000	0.7347000	0.7347000	0.01	-0.31	100.00	AVRG
1,4-Naphthoquinone	0.3430000	0.3781700	0.3781700	0.01	10.25	100.00	AVRG
Pentachlorobenzene	0.5680000	0.5760100	0.5760100	0.01	1.41	100.00	AVRG
1-Naphthylamine	0.5850000	0.6969800	0.6969800	0.01	19.14	100.00	AVRG
2-Naphthylamine	61.317000	50.000000	0.2325000	0.01	22.63	100.00	2RDR
5-Nitro-O-Toluidine	0.2500000	0.2483700	0.2483700	0.01	-0.65	100.00	AVRG
0,0-diethyl-o-2-pyrazinylpho	0.2020000	0.2145700	0.2145700	0.01	6.22	100.00	AVRG

FORM 7B
SEMIVOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 0029 NAS PENSACOLA SDG No.: CTO29-1

Instrument ID: GCMS-U Calibration Date: 06/25/07 Time: 0913

Lab File ID: U8307 Init. Calib. Date(s): 06/04/07 06/04/07

Init. Calib. Times: 1533 1928

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

COMPOUND	RRF or AMOUNT	RRF50.000 or AMOUNT	CCAL RRF50.000	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE	
Sulfotepp	0.1280000	0.1419500	0.1419500	0.01	10.90	100.00	AVRG	
Diallate	0.2680000	0.3028900	0.3028900	0.01	13.02	100.00	AVRG	
1,3,5-Trinitrobenzene	48.418000	50.000000	6.69e-002	0.01	-3.16	100.00	LINR	
Phorate	0.5900000	0.4904900	0.4904900	0.01	-16.87	100.00	AVRG	
Phenacetin	0.3240000	0.3323300	0.3323300	0.01	2.57	100.00	AVRG	
Dimethoate	55.127000	50.000000	0.2422400	0.01	10.25	100.00	2RDR	
Pentachloronitrobenzene	0.1200000	0.1258300	0.1258300	0.01	4.86	100.00	AVRG	
4-Aminobiphenyl	53.357000	50.000000	0.2788800	0.01	6.71	100.00	2RDR	
Pronamide	0.3190000	0.3465600	0.3465600	0.01	8.64	100.00	AVRG	
Dinoseb	47.598000	50.000000	0.1891900	0.01	-4.80	100.00	LINR	
Disulfoton	0.3220000	0.3708700	0.3708700	0.01	15.18	100.00	AVRG	
Methyl Parathion	0.1700000	0.1999900	0.1999900	0.01	17.64	100.00	AVRG	
4-Nitroquinoline-1-Oxide	6.2e-002	4.92e-002	4.92e-002	0.01	-20.64	100.00	AVRG	
Ethyl Parathion	8.7e-002	9.83e-002	9.83e-002	0.01	12.99	100.00	AVRG	
Methapyrilene	0.1480000	0.1991300	0.1991300	0.01	34.55	100.00	AVRG	
Isodrin	0.1350000	0.1484800	0.1484800	0.01	9.98	100.00	AVRG	
Aramite	7.e-002	8.87e-002	8.87e-002	0.01	26.71	100.00	AVRG	
p-Dimethylaminoazobenzene	0.2050000	0.2231600	0.2231600	0.01	8.86	100.00	AVRG	
Chlorobenzilate	0.3240000	0.3874200	0.3874200	0.01	19.57	100.00	AVRG	
Famphur	0.0000000	9.15e-004	9.15e-004	0.01	0.00	100.00	AVRG	<
Kepone	0.0000000	5.16e-003	5.16e-003	0.01	0.00	100.00	AVRG	<
3,3'-Dimethylbenzidine	8.4e-002	0.1142900	0.1142900	0.01	36.06	100.00	AVRG	
2-Acetylaminofluorene	57.053000	50.000000	0.3586400	0.01	14.11	100.00	LINR	
7,12-Dimethylbenz(A)Anthrace	0.5430000	0.5695900	0.5695900	0.01	4.90	100.00	AVRG	
Hexachlorophene	0.0000000			0.01	0.00	100.00	AVRG	<
3-Methylcholanthrene	0.3970000	0.4114100	0.4114100	0.01	3.63	100.00	AVRG	
Dibenz(a,j)acridine	0.7090000	0.7334500	0.7334500	0.01	3.45	100.00	AVRG	

FORM 7B
SEMIVOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 0029 NAS PENSACOLA SDG No.: CTO29-1

Instrument ID: GCMS-U Calibration Date: 06/25/07 Time: 0958

Lab File ID: U8308 Init. Calib. Date(s): 06/04/07 06/05/07

Init. Calib. Times: 2018 0032

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

COMPOUND	RRF or AMOUNT	RRF50.000 or AMOUNT	CCAL RRF50.000	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE
N-Nitrosodimethylamine	0.9600000	0.9932500	0.9932500	0.01	3.46	100.00	AVRG
Pyridine	1.4220000	1.5738000	1.5738000	0.01	10.68	100.00	AVRG
Benzaldehyde	0.8050000	0.7209600	0.7209600	0.01	-10.44	100.00	AVRG
Aniline	1.9330000	0.9790200	0.9790200	0.01	-49.35	100.00	AVRG
2,2'-Oxybis(1-Chloropropane)	2.3170000	2.4801000	2.4801000	0.01	7.04	100.00	AVRG
Phenol	1.6800000	1.5001000	1.5001000	0.01	-10.71	20.00	AVRG
Bis(2-Chloroethyl)ether	1.2960000	1.7956000	1.7956000	0.01	38.55	100.00	AVRG
2-Chlorophenol	1.2140000	1.2050000	1.2050000	0.01	-0.74	100.00	AVRG
1,3-Dichlorobenzene	1.4090000	1.4093000	1.4093000	0.01	0.02	100.00	AVRG
1,4-Dichlorobenzene	1.4420000	1.3900000	1.3900000	0.01	-3.61	20.00	AVRG
Benzyl alcohol	0.7410000	0.5956400	0.5956400	0.01	-19.62	100.00	AVRG
2-Methylphenol	1.1080000	1.1445000	1.1445000	0.01	3.29	100.00	AVRG
Bis(2-Chloroisopropyl)ether	2.3160000	2.4660000	2.4660000	0.01	6.48	100.00	AVRG
1,2-Dichlorobenzene	1.3490000	1.3428000	1.3428000	0.01	-0.46	100.00	AVRG
Acetophenone	0.5050000	0.4934600	0.4934600	0.01	-2.28	100.00	AVRG
N-Nitroso-di-n-propylamine	1.0220000	1.0771000	1.0771000	0.05	5.39	100.00	AVRG
3&4-Methylphenol	1.1260000	1.1300000	1.1300000	0.01	0.36	100.00	AVRG
Hexachloroethane	0.6180000	0.5934600	0.5934600	0.01	-3.97	100.00	AVRG
Nitrobenzene	0.4410000	0.4472100	0.4472100	0.01	1.41	100.00	AVRG
Isophorone	0.7000000	0.6934200	0.6934200	0.01	-0.94	100.00	AVRG
2-Nitrophenol	0.1800000	0.1753300	0.1753300	0.01	-2.59	20.00	AVRG
2,4-Dimethylphenol	0.3650000	0.3682200	0.3682200	0.01	0.88	100.00	AVRG
Bis(2-Chloroethoxy)methane	0.4400000	0.4497000	0.4497000	0.01	2.20	100.00	AVRG
Benzoic acid	0.1740000	0.1261600	0.1261600	0.01	-27.49	100.00	AVRG
2,4-Dichlorophenol	0.2960000	0.2939800	0.2939800	0.01	-0.68	20.00	AVRG
1,2,4-Trichlorobenzene	0.3600000	0.3469000	0.3469000	0.01	-3.64	100.00	AVRG
Naphthalene	0.9400000	0.9489000	0.9489000	0.01	0.95	100.00	AVRG
4-Chloroaniline	0.3560000	0.1106500	0.1106500	0.01	-68.92	100.00	AVRG
Hexachlorobutadiene	0.2660000	0.2503200	0.2503200	0.01	-5.89	20.00	AVRG

FORM 7B
SEMIVOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 0029 NAS PENSACOLA SDG No.: CTO29-1

Instrument ID: GCMS-U Calibration Date: 06/25/07 Time: 0958

Lab File ID: U8308 Init. Calib. Date(s): 06/04/07 06/05/07

Init. Calib. Times: 2018 0032

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

COMPOUND	RRF or AMOUNT	RRF50.000 or AMOUNT	CCAL RRF50.000	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE
4-Chloro-3-Methylphenol	0.3110000	0.3226100	0.3226100	0.01	3.73	20.00	AVRG
Caprolactam	9.4e-002	8.16e-002	8.16e-002	0.01	-13.19	100.00	AVRG
2-Methylnaphthalene	0.6330000	0.6398300	0.6398300	0.01	1.08	100.00	AVRG
1-Methylnaphthalene	0.6320000	0.6269600	0.6269600	0.01	-0.80	100.00	AVRG
Hexachlorocyclopentadiene	0.4620000	0.3865900	0.3865900	0.05	-16.32	100.00	AVRG
2,4,6-Trichlorophenol	0.4040000	0.3964400	0.3964400	0.01	-1.87	20.00	AVRG
2,4,5-Trichlorophenol	0.4410000	0.4414500	0.4414500	0.01	0.10	100.00	AVRG
Diethyl Adipate	0.3060000	0.3140800	0.3140800	0.01	2.64	100.00	AVRG
2-Chloronaphthalene	0.3530000	0.3213100	0.3213100	0.01	-8.98	100.00	AVRG
1,1'-Biphenyl	1.2890000	1.2330000	1.2330000	0.01	-4.34	100.00	AVRG
2-Nitroaniline	0.4020000	0.3934600	0.3934600	0.01	-2.12	100.00	AVRG
1,4-Dinitrobenzene	0.2580000	0.2447700	0.2447700	0.01	-5.13	100.00	AVRG
Dimethyl Phthalate	1.2590000	1.2469000	1.2469000	0.01	-0.96	100.00	AVRG
1,3-Dinitrobenzene	0.2040000	0.1871100	0.1871100	0.01	-8.28	100.00	AVRG
2,6-Dinitrotoluene	0.3090000	0.2961300	0.2961300	0.01	-4.16	100.00	AVRG
Acenaphthylene	1.6230000	1.5697000	1.5697000	0.01	-3.28	100.00	AVRG
1,2-Dinitrobenzene	0.2940000	0.2642100	0.2642100	0.01	-10.13	100.00	AVRG
3-Nitroaniline	10.166000	50.000000	3.64e-002	0.01	-79.67	100.00	LINR
Acenaphthene	1.0080000	0.9742200	0.9742200	0.01	-3.35	20.00	AVRG
Dibenzofuran	1.5400000	1.4529000	1.4529000	0.01	-5.66	100.00	AVRG
2,4-Dinitrophenol	34.085000	50.000000	0.1282900	0.05	-31.83	100.00	LINR
4-Nitrophenol	20.681000	50.000000	7.19e-002	0.05	-58.64	100.00	LINR
2,4-Dinitrotoluene	0.4010000	0.3749300	0.3749300	0.01	-6.50	100.00	AVRG
2,3,5,6-Tetrachlorophenol	0.4240000	0.3849900	0.3849900	0.01	-9.20	100.00	AVRG
2,3,4,6-Tetrachlorophenol	0.3980000	0.3910100	0.3910100	0.01	-1.76	100.00	AVRG
Diethylphthalate	1.2510000	1.2117000	1.2117000	0.01	-3.14	100.00	AVRG
Fluorene	1.2940000	1.2111000	1.2111000	0.01	-6.41	100.00	AVRG
4-Chlorophenyl-phenylether	0.7220000	0.6666600	0.6666600	0.01	-7.66	100.00	AVRG
4-Nitroaniline	0.1900000	0.1147500	0.1147500	0.01	-39.60	100.00	AVRG

FORM 7B
SEMIVOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 0029 NAS PENSACOLA SDG No.: CTO29-1

Instrument ID: GCMS-U Calibration Date: 06/25/07 Time: 0958

Lab File ID: U8308 Init. Calib. Date(s): 06/04/07 06/05/07

Init. Calib. Times: 2018 0032

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

COMPOUND	RRF or AMOUNT	RRF50.000 or AMOUNT	CCAL RRF50.000	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE
4,6-Dinitro-2-Methylphenol	0.1490000	0.1353900	0.1353900	0.01	-9.13	100.00	AVRG
N-Nitrosodiphenylamine/DPA	0.5880000	0.5684200	0.5684200	0.01	-3.33	20.00	AVRG
N-Nitrosodiphenylamine	0.5880000	0.5576500	0.5576500	0.01	-5.16	20.00	AVRG
Azobenzene	0.8340000	0.8479300	0.8479300	0.01	1.67	100.00	AVRG
1,2-Diphenylhydrazine	0.8390000	0.8479300	0.8479300	0.01	1.06	100.00	AVRG
4-Bromophenyl-phenylether	0.2510000	0.2474300	0.2474300	0.01	-1.42	100.00	AVRG
Hexachlorobenzene	0.2680000	0.2771400	0.2771400	0.01	3.41	100.00	AVRG
Atrazine	0.2310000	0.2120000	0.2120000	0.01	-8.22	100.00	AVRG
Pentachlorophenol	0.1660000	0.1585000	0.1585000	0.01	-4.52	20.00	AVRG
Phenanthrene	1.0380000	1.0149000	1.0149000	0.01	-2.22	100.00	AVRG
Anthracene	1.0230000	0.9903100	0.9903100	0.01	-3.20	100.00	AVRG
Carbazole	0.7660000	0.7407500	0.7407500	0.01	-3.30	100.00	AVRG
Di-n-butylphthalate	1.1000000	1.1842000	1.1842000	0.01	7.65	100.00	AVRG
Fluoranthene	1.1490000	1.1227000	1.1227000	0.01	-2.29	20.00	AVRG
Benzidine	0.0000000	50.000000	0.0000000	0.01	0.00	100.00	2RDR
Pyrene	1.0820000	1.1967000	1.1967000	0.01	10.60	100.00	AVRG
Butylbenzylphthalate	0.4430000	0.5273700	0.5273700	0.01	19.04	100.00	AVRG
Bis(2-ethylhexyl)adipate	0.3350000	0.4332400	0.4332400	0.01	29.32	100.00	AVRG
Benzo(a)anthracene	1.0060000	0.9723000	0.9723000	0.01	-3.35	100.00	AVRG
3,3'-Dichlorobenzidine	0.1930000	0.1056000	0.1056000	0.01	-45.28	100.00	AVRG
Chrysene	0.9740000	0.9938900	0.9938900	0.01	2.04	100.00	AVRG
bis(2-Ethylhexyl)phthalate	0.5960000	0.7587500	0.7587500	0.01	27.31	100.00	AVRG
Di-n-octylphthalate	1.1850000	1.4682000	1.4682000	0.01	23.90	20.00	AVRG
Benzo(b)fluoranthene	1.1220000	1.0857000	1.0857000	0.01	-3.24	100.00	AVRG
Benzo(k)fluoranthene	1.2610000	1.2430000	1.2430000	0.01	-1.43	100.00	AVRG
Benzo(a)pyrene	1.0510000	1.0291000	1.0291000	0.01	-2.08	20.00	AVRG
Indeno(1,2,3-cd)pyrene	0.7680000	0.6694300	0.6694300	0.01	-12.84	100.00	AVRG
Dibenzo(a,h)anthracene	0.8540000	0.8105100	0.8105100	0.01	-5.09	100.00	AVRG
Benzo(g,h,i)perylene	0.9030000	0.8053000	0.8053000	0.01	-10.82	100.00	AVRG

N/A

FORM 7B
SEMIVOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 0029 NAS PENSACOLA SDG No.: CTO29-1

Instrument ID: GCMS-U Calibration Date: 06/25/07 Time: 0958

Lab File ID: U8308 Init. Calib. Date(s): 06/04/07 06/05/07

Init. Calib. Times: 2018 0032

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

COMPOUND	RRF or AMOUNT	RRF50.000 or AMOUNT	CCAL RRF50.000	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE
2-Fluorophenol	1.1580000	1.1700000	1.1700000	0.01	1.04	100.00	AVRG
Phenol-D6	1.4500000	1.3974000	1.3974000	0.01	-3.63	100.00	AVRG
Nitrobenzene-D5	0.4120000	0.4013800	0.4013800	0.01	-2.58	100.00	AVRG
2-Fluorobiphenyl	1.1920000	1.1477000	1.1477000	0.01	-3.72	100.00	AVRG
2,4,6-Tribromophenol	0.2340000	0.2122400	0.2122400	0.01	-9.30	100.00	AVRG
Terphenyl-D14	0.7380000	0.8059400	0.8059400	0.01	9.21	100.00	AVRG

FORM 5

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 0029 NAS PENSACOLA SDG No.: CTO29-1

Lab File ID: UD490 DFTPP Injection Date: 06/26/07

Instrument ID: GCMS-U DFTPP Injection Time: 1015

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	50.4
68	Less than 2.0% of mass 69	0.0 (0.0)1
69	Less than 100.0% of mass 198	47.7
70	Less than 2.0% of mass 69	0.1 (0.3)1
127	40.0 - 60.0% of mass 198	41.9
197	Less than 1.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100.0
199	5.0 to 9.0% of mass 198	6.9
275	10.0 - 30.0% of mass 198	25.8
365	1.0 - 100.0% of mass 198	3.7
441	0.0 - 100.0% of mass 443	14.4 (78.0)2
442	40.0 - 100.0% of mass 198	98.1
443	17.0 - 23.0% of mass 442	18.5 (18.9)3

1-Value is % mass 69 2-Value is % mass 443
3-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01		SSTD050U0626B	U8322	06/26/07	1038
02		SSTD050U0626A	U8323	06/26/07	1125
03	WG40233-BLANK	WG40233-1	U8324	06/26/07	1311
04	OLFS4-MW40-0607	SA3013-1	U8325	06/26/07	1357
05	OLFS4-MW37-0607	SA3013-3	U8326	06/26/07	1443
06	OLFS4-MW37-0607-D	SA3013-5	U8327	06/26/07	1529
07	OLFS4-MW39-0607	SA3013-7	U8328	06/26/07	1615
08	OLFS4-MW38-0607	SA3013-9	U8329	06/26/07	1700
09	OLFS4-MW41-0607	SA3013-11	U8330	06/26/07	1746
10	OLFS4-MW45-0607	SA3013-13	U8331	06/26/07	1836
11	OLFS4-MW46-0607	SA3013-15	U8332	06/26/07	1928
12	WG40233-LCS	WG40233-2	U8333	06/26/07	2019
13	OLFS4-MW40-0607MS	WG40233-3	U8334	06/26/07	2111
14	OLFS4-MW40-0607MSD	WG40233-4	U8335	06/26/07	2202
15					
16					
17					
18					
19					
20					

FORM V SV

FORM 7B
SEMIVOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 0029 NAS PENSACOLA SDG No.: CTO29-1

Instrument ID: GCMS-U Calibration Date: 06/26/07 Time: 1038

Lab File ID: U8322 Init. Calib. Date(s): 06/04/07 06/04/07

Init. Calib. Times: 1533 1928

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

COMPOUND	RRF or AMOUNT	RRF50.000 or AMOUNT	CCAL RRF50.000	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE
1,4-Dioxane	0.4510000	0.4888300	0.4888300	0.01	8.39	100.00	AVRG
2-Picoline	1.3680000	1.4362000	1.4362000	0.01	4.98	100.00	AVRG
Ethyl Methacrylate	1.2840000	1.3645000	1.3645000	0.01	6.27	100.00	AVRG
N-Nitrosomethylethylamine	0.5410000	0.6075000	0.6075000	0.01	12.29	100.00	AVRG
Methyl Methanesulfonate	0.9150000	0.9945300	0.9945300	0.01	8.69	100.00	AVRG
N-Nitrosodiethylamine	0.5460000	0.5996000	0.5996000	0.01	9.82	100.00	AVRG
Ethyl Methanesulfonate	1.0660000	1.1415000	1.1415000	0.01	7.08	100.00	AVRG
Pentachloroethane	0.5000000	0.5128500	0.5128500	0.01	2.57	100.00	AVRG
N-Nitrosopyrrolidine	0.4690000	0.4946300	0.4946300	0.01	5.46	100.00	AVRG
o-Toluidine	0.4100000	0.3183200	0.3183200	0.01	-22.36	100.00	AVRG
N-Nitrosomorpholine	0.8630000	0.9505600	0.9505600	0.01	10.15	100.00	AVRG
N-Nitrosopiperidine	0.1540000	0.1594800	0.1594800	0.01	3.56	100.00	AVRG
O,O,O-Triethylphosphorothioa	0.1880000	0.1867500	0.1867500	0.01	-0.66	100.00	AVRG
A,A-Dimethylphenethylamine	0.6550000	0.6387800	0.6387800	0.01	-2.48	100.00	AVRG
2,6-Dichlorophenol	0.2580000	0.2658800	0.2658800	0.01	3.05	100.00	AVRG
Hexachloropropene	0.2890000	0.2709700	0.2709700	0.01	-6.24	100.00	AVRG
N-Nitroso-Di-N-Butylamine	0.2600000	0.2723400	0.2723400	0.01	4.75	100.00	AVRG
p-Phenylenediamine	7.5e-002	3.81e-002	3.81e-002	0.01	-49.20	100.00	AVRG
Isosafrole	0.2620000	0.2597900	0.2597900	0.01	-0.84	100.00	AVRG
1,2,4,5-Tetrachlorobenzene	0.6650000	0.6623900	0.6623900	0.01	-0.39	100.00	AVRG
Safrole	0.2420000	0.2496400	0.2496400	0.01	3.16	100.00	AVRG
1-Chloronaphthalene	0.3460000	0.3267400	0.3267400	0.01	-5.57	100.00	AVRG
Diphenylether	0.7370000	0.7468600	0.7468600	0.01	1.34	100.00	AVRG
1,4-Naphthoquinone	0.3430000	0.3859900	0.3859900	0.01	12.53	100.00	AVRG
Pentachlorobenzene	0.5680000	0.5945800	0.5945800	0.01	4.68	100.00	AVRG
1-Naphthylamine	0.5850000	0.6738600	0.6738600	0.01	15.19	100.00	AVRG
2-Naphthylamine	51.194000	50.000000	0.1948200	0.01	2.39	100.00	2RDR
5-Nitro-O-Toluidine	0.2500000	0.2296400	0.2296400	0.01	-8.14	100.00	AVRG
0,0-diethyl-o-2-pyrazinylpho	0.2020000	0.2233900	0.2233900	0.01	10.59	100.00	AVRG

FORM 7B
SEMIVOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 0029 NAS PENSACOLA SDG No.: CTO29-1

Instrument ID: GCMS-U Calibration Date: 06/26/07 Time: 1038

Lab File ID: U8322 Init. Calib. Date(s): 06/04/07 06/04/07

Init. Calib. Times: 1533 1928

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

COMPOUND	RRF or AMOUNT	RRF50.000 or AMOUNT	CCAL RRF50.000	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE
Sulfotepp	0.1280000	0.1501200	0.1501200	0.01	17.28	100.00	AVRG
Diallate	0.2680000	0.3058300	0.3058300	0.01	14.12	100.00	AVRG
1,3,5-Trinitrobenzene	46.722000	50.000000	6.43e-002	0.01	-6.56	100.00	LINR
Phorate	0.5900000	0.5106200	0.5106200	0.01	-13.45	100.00	AVRG
Phenacetin	0.3240000	0.3331300	0.3331300	0.01	2.82	100.00	AVRG
Dimethoate	62.141000	50.000000	0.2659400	0.01	24.28	100.00	2RDR
Pentachloronitrobenzene	0.1200000	0.1339700	0.1339700	0.01	11.64	100.00	AVRG
4-Aminobiphenyl	47.016000	50.000000	0.2429800	0.01	-5.97	100.00	2RDR
Pronamide	0.3190000	0.3666000	0.3666000	0.01	14.92	100.00	AVRG
Dinoseb	47.413000	50.000000	0.1884100	0.01	-5.17	100.00	LINR
Disulfoton	0.3220000	0.3773000	0.3773000	0.01	17.17	100.00	AVRG
Methyl Parathion	0.1700000	0.2250300	0.2250300	0.01	32.37	100.00	AVRG
4-Nitroquinoline-1-Oxide	6.2e-002	4.92e-002	4.92e-003	0.01	-20.64	100.00	AVRG
Ethyl Parathion	8.7e-002	0.1049900	0.1049900	0.01	20.68	100.00	AVRG
Methapyrilene	0.1480000	0.2158900	0.2158900	0.01	45.87	100.00	AVRG
Isodrin	0.1350000	0.1535900	0.1535900	0.01	13.77	100.00	AVRG
Aramite	7.e-002	0.1076200	0.1076200	0.01	53.74	100.00	AVRG
p-Dimethylaminoazobenzene	0.2050000	0.2491200	0.2491200	0.01	21.52	100.00	AVRG
Chlorobenzilate	0.3240000	0.4708600	0.4708600	0.01	45.33	100.00	AVRG
Famphur	0.0000000	7.16e-003	7.16e-003	0.01	0.00	100.00	AVRG
Kepone	0.0000000	6.65e-003	6.65e-003	0.01	0.00	100.00	AVRG
3,3'-Dimethylbenzidine	8.4e-002	0.1785600	0.1785600	0.01	112.57	100.00	AVRG
2-Acetylaminofluorene	52.814000	50.000000	0.3311300	0.01	5.63	100.00	LINR
7,12-Dimethylbenz(A)Anthrace	0.5430000	0.6000400	0.6000400	0.01	10.50	100.00	AVRG
Hexachlorophene	0.0000000			0.01	0.00	100.00	AVRG
3-Methylcholanthrene	0.3970000	0.4023300	0.4023300	0.01	1.34	100.00	AVRG
Dibenz(a,j)acridine	0.7090000	0.7633000	0.7633000	0.01	7.66	100.00	AVRG

FORM 7B
SEMIVOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 0029 NAS PENSACOLA SDG No.: CTO29-1

Instrument ID: GCMS-U Calibration Date: 06/26/07 Time: 1125

Lab File ID: U8323 Init. Calib. Date(s): 06/04/07 06/05/07

Init. Calib. Times: 2018 0032

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

COMPOUND	RRF or AMOUNT	RRF50.000 or AMOUNT	CCAL RRF50.000	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE
N-Nitrosodimethylamine	0.9600000	0.9441200	0.9441200	0.01	-1.65	100.00	AVRG
Pyridine	1.4220000	1.3619000	1.3619000	0.01	-4.23	100.00	AVRG
Benzaldehyde	0.8050000	0.7368200	0.7368200	0.01	-8.47	100.00	AVRG
Aniline	1.9330000	1.8420000	1.8420000	0.01	-4.71	100.00	AVRG
2,2'-Oxybis(1-Chloropropane)	2.3170000	2.3958000	2.3958000	0.01	3.40	100.00	AVRG
Phenol	1.6800000	1.5668000	1.5668000	0.01	-6.74	20.00	AVRG
Bis(2-Chloroethyl)ether	1.2960000	1.9106000	1.9106000	0.01	47.42	100.00	AVRG
2-Chlorophenol	1.2140000	1.2182000	1.2182000	0.01	0.34	100.00	AVRG
1,3-Dichlorobenzene	1.4090000	1.4234000	1.4234000	0.01	1.02	100.00	AVRG
1,4-Dichlorobenzene	1.4420000	1.4294000	1.4294000	0.01	-0.87	20.00	AVRG
Benzyl alcohol	0.7410000	0.7111600	0.7111600	0.01	-4.03	100.00	AVRG
2-Methylphenol	1.1080000	1.1747000	1.1747000	0.01	6.02	100.00	AVRG
Bis(2-Chloroisopropyl)ether	2.3160000	2.3833000	2.3833000	0.01	2.90	100.00	AVRG
1,2-Dichlorobenzene	1.3490000	1.3754000	1.3754000	0.01	1.96	100.00	AVRG
Acetophenone	0.5050000	0.4968200	0.4968200	0.01	-1.62	100.00	AVRG
N-Nitroso-di-n-propylamine	1.0220000	1.0728000	1.0728000	0.05	4.97	100.00	AVRG
3&4-Methylphenol	1.1260000	1.1319000	1.1319000	0.01	0.52	100.00	AVRG
Hexachloroethane	0.6180000	0.6202800	0.6202800	0.01	0.37	100.00	AVRG
Nitrobenzene	0.4410000	0.4181700	0.4181700	0.01	-5.18	100.00	AVRG
Isophorone	0.7000000	0.7090200	0.7090200	0.01	1.29	100.00	AVRG
2-Nitrophenol	0.1800000	0.1663000	0.1663000	0.01	-7.61	20.00	AVRG
2,4-Dimethylphenol	0.3650000	0.3633500	0.3633500	0.01	-0.45	100.00	AVRG
Bis(2-Chloroethoxy)methane	0.4400000	0.4457700	0.4457700	0.01	1.31	100.00	AVRG
Benzoic acid	0.1740000	0.1431200	0.1431200	0.01	-17.75	100.00	AVRG
2,4-Dichlorophenol	0.2960000	0.2813400	0.2813400	0.01	-4.95	20.00	AVRG
1,2,4-Trichlorobenzene	0.3600000	0.3437200	0.3437200	0.01	-4.52	100.00	AVRG
Naphthalene	0.9400000	0.9310600	0.9310600	0.01	-0.95	100.00	AVRG
4-Chloroaniline	0.3560000	8.27e-002	8.27e-002	0.01	-76.77	100.00	AVRG
Hexachlorobutadiene	0.2660000	0.2597900	0.2597900	0.01	-2.33	20.00	AVRG

FORM 7B
SEMIVOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 0029 NAS PENSACOLA SDG No.: CTO29-1

Instrument ID: GCMS-U Calibration Date: 06/26/07 Time: 1125

Lab File ID: U8323 Init. Calib. Date(s): 06/04/07 06/05/07

Init. Calib. Times: 2018 0032

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

COMPOUND	RRF or AMOUNT	RRF50.000 or AMOUNT	CCAL RRF50.000	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE
4-Chloro-3-Methylphenol	0.3110000	0.3106300	0.3106300	0.01	-0.12	20.00	AVRG
Caprolactam	9.4e-002	8.63e-002	8.63e-002	0.01	-8.19	100.00	AVRG
2-Methylnaphthalene	0.6330000	0.6306400	0.6306400	0.01	-0.37	100.00	AVRG
1-Methylnaphthalene	0.6320000	0.6121200	0.6121200	0.01	-3.14	100.00	AVRG
Hexachlorocyclopentadiene	0.4620000	0.3863500	0.3863500	0.05	-16.37	100.00	AVRG
2,4,6-Trichlorophenol	0.4040000	0.3945800	0.3945800	0.01	-2.33	20.00	AVRG
2,4,5-Trichlorophenol	0.4410000	0.4385200	0.4385200	0.01	-0.56	100.00	AVRG
Diethyl Adipate	0.3060000	0.3122300	0.3122300	0.01	2.04	100.00	AVRG
2-Chloronaphthalene	0.3530000	0.3273500	0.3273500	0.01	-7.27	100.00	AVRG
1,1'-Biphenyl	1.2890000	1.2445000	1.2445000	0.01	-3.45	100.00	AVRG
2-Nitroaniline	0.4020000	0.3587700	0.3587700	0.01	-10.75	100.00	AVRG
1,4-Dinitrobenzene	0.2580000	0.2357800	0.2357800	0.01	-8.61	100.00	AVRG
Dimethyl Phthalate	1.2590000	1.2427000	1.2427000	0.01	-1.29	100.00	AVRG
1,3-Dinitrobenzene	0.2040000	0.1792000	0.1792000	0.01	-12.16	100.00	AVRG
2,6-Dinitrotoluene	0.3090000	0.2914600	0.2914600	0.01	-5.68	100.00	AVRG
Acenaphthylene	1.6230000	1.5772000	1.5772000	0.01	-2.82	100.00	AVRG
1,2-Dinitrobenzene	0.2940000	0.2692700	0.2692700	0.01	-8.41	100.00	AVRG
3-Nitroaniline	5.9432000	50.000000	1.6e-002	0.01	-88.11	100.00	LINR
Acenaphthene	1.0080000	0.9929900	0.9929900	0.01	-1.49	20.00	AVRG
Dibenzofuran	1.5400000	1.4601000	1.4601000	0.01	-5.19	100.00	AVRG
2,4-Dinitrophenol	30.930000	50.000000	0.1156100	0.05	-38.14	100.00	LINR
4-Nitrophenol	26.976000	50.000000	9.57e-002	0.05	-46.05	100.00	LINR
2,4-Dinitrotoluene	0.4010000	0.3694700	0.3694700	0.01	-7.86	100.00	AVRG
2,3,5,6-Tetrachlorophenol	0.4240000	0.3898800	0.3898800	0.01	-8.05	100.00	AVRG
2,3,4,6-Tetrachlorophenol	0.3980000	0.3846300	0.3846300	0.01	-3.36	100.00	AVRG
Diethylphthalate	1.2510000	1.2558000	1.2558000	0.01	0.38	100.00	AVRG
Fluorene	1.2940000	1.2325000	1.2325000	0.01	-4.75	100.00	AVRG
4-Chlorophenyl-phenylether	0.7220000	0.6875700	0.6875700	0.01	-4.77	100.00	AVRG
4-Nitroaniline	0.1900000	9.44e-002	9.44e-002	0.01	-50.32	100.00	AVRG

FORM 7B
SEMIVOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 0029 NAS PENSACOLA SDG No.: CTO29-1

Instrument ID: GCMS-U Calibration Date: 06/26/07 Time: 1125

Lab File ID: U8323 Init. Calib. Date(s): 06/04/07 06/05/07

Init. Calib. Times: 2018 0032

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

COMPOUND	RRF or AMOUNT	RRF50.000 or AMOUNT	CCAL RRF50.000	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE	
4,6-Dinitro-2-Methylphenol	0.1490000	0.1268400	0.1268400	0.01	-14.87	100.00	AVRG	
N-Nitrosodiphenylamine/DPA	0.5880000	0.4983800	0.4983800	0.01	-15.24	20.00	AVRG	
N-Nitrosodiphenylamine	0.5880000	0.4968200	0.4968200	0.01	-15.51	20.00	AVRG	
Azobenzene	0.8340000	0.8294800	0.8294800	0.01	-0.54	100.00	AVRG	
1,2-Diphenylhydrazine	0.8390000	0.8294800	0.8294800	0.01	-1.13	100.00	AVRG	
4-Bromophenyl-phenylether	0.2510000	0.2568300	0.2568300	0.01	2.32	100.00	AVRG	
Hexachlorobenzene	0.2680000	0.2801600	0.2801600	0.01	4.54	100.00	AVRG	
Atrazine	0.2310000	0.1855300	0.1855300	0.01	-19.68	100.00	AVRG	
Pentachlorophenol	0.1660000	0.1497600	0.1497600	0.01	-9.78	20.00	AVRG	
Phenanthrene	1.0380000	1.0115000	1.0115000	0.01	-2.55	100.00	AVRG	
Anthracene	1.0230000	0.9892400	0.9892400	0.01	-3.30	100.00	AVRG	
Carbazole	0.7660000	0.4405100	0.4405100	0.01	~~42.49~~	100.00	AVRG	
Di-n-butylphthalate	1.1000000	1.2066000	1.2066000	0.01	9.69	100.00	AVRG	
Fluoranthene	1.1490000	1.1111000	1.1111000	0.01	-3.30	20.00	AVRG	
Benzidine	0.0000000	50.000000	0.0000000	0.01	0.00	100.00	2RDR	<
Pyrene	1.0820000	1.2496000	1.2496000	0.01	15.49	100.00	AVRG	
Butylbenzylphthalate	0.4430000	0.5689700	0.5689700	0.01	~~28.44~~	100.00	AVRG	
Bis(2-ethylhexyl)adipate	0.3350000	0.4559700	0.4559700	0.01	~~36.11~~	100.00	AVRG	
Benzo(a)anthracene	1.0060000	0.9632900	0.9632900	0.01	-4.24	100.00	AVRG	
3,3'-Dichlorobenzidine	0.1930000	5.86e-002	5.86e-002	0.01	~~69.64~~	100.00	AVRG	
Chrysene	0.9740000	0.9639200	0.9639200	0.01	-1.03	100.00	AVRG	
bis(2-Ethylhexyl)phthalate	0.5960000	0.8147100	0.8147100	0.01	~~36.70~~	100.00	AVRG	
Di-n-octylphthalate	1.1850000	1.6597000	1.6597000	0.01	~~40.06~~	20.00	AVRG	<
Benzo(b)fluoranthene	1.1220000	1.0862000	1.0862000	0.01	-3.19	100.00	AVRG	
Benzo(k)fluoranthene	1.2610000	1.2346000	1.2346000	0.01	-2.09	100.00	AVRG	
Benzo(a)pyrene	1.0510000	0.9777200	0.9777200	0.01	-6.97	20.00	AVRG	
Indeno(1,2,3-cd)pyrene	0.7680000	0.7499400	0.7499400	0.01	-2.35	100.00	AVRG	
Dibenzo(a,h)anthracene	0.8540000	0.8491800	0.8491800	0.01	-0.56	100.00	AVRG	
Benzo(g,h,i)perylene	0.9030000	0.9464200	0.9464200	0.01	4.81	100.00	AVRG	

N/C

FORM 7B
SEMIVOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 0029 NAS PENSACOLA SDG No.: CTO29-1

Instrument ID: GCMS-U Calibration Date: 06/26/07 Time: 1125

Lab File ID: U8323 Init. Calib. Date(s): 06/04/07 06/05/07

Init. Calib. Times: 2018 0032

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

COMPOUND	RRF or AMOUNT	RRF50.000 or AMOUNT	CCAL RRF50.000	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE
2-Fluorophenol	1.1580000	1.1458000	1.1458000	0.01	-1.05	100.00	AVRG
Phenol-D6	1.4500000	1.4339000	1.4339000	0.01	-1.11	100.00	AVRG
Nitrobenzene-D5	0.4120000	0.3874900	0.3874900	0.01	-5.95	100.00	AVRG
2-Fluorobiphenyl	1.1920000	1.1714000	1.1714000	0.01	-1.73	100.00	AVRG
2,4,6-Tribromophenol	0.2340000	0.2213000	0.2213000	0.01	-5.43	100.00	AVRG
Terphenyl-D14	0.7380000	0.8519800	0.8519800	0.01	15.44	100.00	AVRG

FORM 4
PESTICIDE METHOD BLANK SUMMARY

CLIENT SAMPLE ID

WG40180-BLANK

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 0029 NAS PENSACOLA SDG No.: CTO29-1

Lab Sample ID: WG40180-1 Lab File ID: 6AF3066

Matrix (soil/water) WATER Extraction:(SepF/Cont/Sonc) SW846 3510

Sulfur Cleanup: (Y/N) N Date Extracted: 06/18/07

Date Analyzed (1): 06/20/07 Date Analyzed (2): 06/20/07

Time Analyzed (1): 1609 Time Analyzed (2): 1609

Instrument ID (1): GC06 Instrument ID (2): GC06

GC Column (1): ZB-MULTIRESIDUE-1 ID: 0.53(mm) GC Column (2): ZB-MULTIRESIDUE-2 ID: 0.53(m

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	WG40180-LCS	WG40180-2	6AF3067	06/20/07	06/20/07
02	OLFS4-MW40-0607	SA3013-1	6AF3263	06/28/07	06/28/07
03	OLFS4-MW40-0607MS	WG40180-3	6AF3264	06/28/07	06/28/07
04	OLFS4-MW40-0607MSD	WG40180-4	6AF3265	06/28/07	06/28/07
05	OLFS4-MW37-0607	SA3013-3	6AF3271	06/28/07	06/28/07
06	OLFS4-MW37-0607-D	SA3013-5	6AF3272	06/28/07	06/28/07
07	OLFS4-MW39-0607	SA3013-7	6AF3273	06/28/07	06/28/07
08	OLFS4-MW38-0607	SA3013-9	6AF3274	06/29/07	06/29/07
09	OLFS4-MW41-0607	SA3013-11	6AF3275	06/29/07	06/29/07
10	OLFS4-MW45-0607	SA3013-13	6AF3276	06/29/07	06/29/07
11	OLFS4-MW46-0607	SA3013-15	6AF3277	06/29/07	06/29/07
12	OLFS4-MW44-0607	SA3013-17	6AF3278	06/29/07	06/29/07
13	OLFS4-MW42-0607	SA3013-19	6AF3279	06/29/07	06/29/07
14	OLFS4-MW43-0607	SA3013-21	6AF3280	06/29/07	06/29/07
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					

COMMENTS: _____

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client:
Project: CTO 0029 NAS Pensacola
PO No:
Sample Date:
Received Date:
Extraction Date: 06/18/07
Analysis Date: 20-JUN-2007 16:09
Report Date: 06/29/2007
Matrix: WATER
% Solids: NA

Lab ID: WG40180-1
Client ID: WG40180-Blank
SDG: CTO29-1
Extracted by: GN
Extraction Method: SW846 3510
Analyst: JLP
Analysis Method: SW846 8082
Lab Prep Batch: WG40180
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
12674-11-2	Aroclor-1016	U	0.40	1.0	0.50	0.50	0.40
11104-28-2	Aroclor-1221	U	0.17	1.0	0.50	0.50	0.17
11141-16-5	Aroclor-1232	U	0.28	1.0	0.50	0.50	0.28
53469-21-9	Aroclor-1242	U	0.21	1.0	0.50	0.50	0.21
12672-29-6	Aroclor-1248	U	0.19	1.0	0.50	0.50	0.19
11097-69-1	Aroclor-1254	U	0.25	1.0	0.50	0.50	0.25
11096-82-5	Aroclor-1260	U	0.27	1.0	0.50	0.50	0.27
877-09-8	Tetrachloro-m-xylene		99%				
2051-24-3	Decachlorobiphenyl		61%				

KATAHDIN ANALYTICAL SERVICES
LAB CONTROL SAMPLE

Client:
Project: CTO 0029 NAS Pensacola
PO No:
Sample Date:
Received Date:
Extraction Date: 06/18/07
Analysis Date: 06/20/07
Report Date: 06/29/2007
Matrix: WATER

Lab ID: WG40180-2
Client ID: WG40180-LCS
SDG: CTO29-1
Extracted by: GN
Extraction Method: SW846 3510
Analyst: JLP
Analysis Method: SW846 8082
Lab Prep Batch: WG40180
Units: ug/L

COMPOUND	LCS SPIKE	SAMPLE CONC.	LCS CONC.	%REC.	QC. LIMITS
Aroclor-1016	5.0	NA	4.7	95	72-119
Aroclor-1260	5.0	NA	4.9	99	60-119

KATAHDIN ANALYTICAL SERVICES
MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Client: Tetra Tech NUS, Inc
Project: CTO 0029 NAS Pensacola
PO No:
Sample Date: 06/12/07
Received Date: 06/15/07
Extraction Date: 06/18/07
Analysis Date: 06/28/07
Report Date: 07/10/2007
Matrix: WATER

Lab ID: WG40180-3 & WG40180-4
Client ID: OLFS4-MW40-0607MS & OLFS4-MW40-0607MSD
SDG: CTO29-1
Extracted by: GN
Extraction Method: SW846 3510
Analyst: JLP
Analysis Method: SW846 8082
Lab Prep Batch: WG40180
Units: ug/L

COMPOUND	MS SPIKE	MSD SPIKE	SAMPLE CONC.	MS CONC.	MSD CONC.	MS %REC.	MSD %REC.	%RPD	%RPD LIMIT	QC. LIMITS
Aroclor-1016	4.8	4.8	0.00	4.3	4.4	88	92	4	30	72-119
Aroclor-1260	4.8	4.8	0.00	4.1	4.3	84	89	4	30	60-119

FORM 2
WATER PCB SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 0029 NAS PENSACOLA SDG No.: CTO29-1

GC Column(1): ZB-MULTIRESIDUE-1ID: 0.53 (mm)GC Column(2): ZB-MULTIRESIDUE-2ID: 0.53 (mm)

	CLIENT SAMPLE ID	LAB SAMPLE ID	TCX1 REC#	TCX2 REC#	DCB1 REC#	DCB2 REC#	OTHR (1)	OTHR (2)	TOT OUT
01	WG40180-BLANK	WG40180-1	91	99	56	61			0
02	WG40180-LCS	WG40180-2	78	84	42	45			0
03	OLFS4-MW40-0607	SA3013-1	82	82	48	48			0
04	OLFS4-MW40-0607MS	WG40180-3	80	78	54	54			0
05	OLFS4-MW40-0607MSD	WG40180-4	80	83	48	49			0
06	OLFS4-MW37-0607	SA3013-3	78	79	76	77			0
07	OLFS4-MW37-0607-D	SA3013-5	84	86	84	85			0
08	OLFS4-MW39-0607	SA3013-7	81	84	75	76			0
09	OLFS4-MW38-0607	SA3013-9	75	76	70	72			0
10	OLFS4-MW41-0607	SA3013-11	80	82	67	66			0
11	OLFS4-MW45-0607	SA3013-13	66	69	69	69			0
12	OLFS4-MW46-0607	SA3013-15	59	61	30	30			0
13	OLFS4-MW44-0607	SA3013-17	69	72	27	27			0
14	OLFS4-MW42-0607	SA3013-19	81	83	57	56			0
15	OLFS4-MW43-0607	SA3013-21	72	74	36	36			0
16									
17									
18									
19									
20									
21									
22									
23									
24									
25									
26									
27									
28									

ADVISORY
QC LIMITS

S1 (TCX) = Tetrachloro-m-xylene (57-111)
S2 (DCB) = Decachlorobiphenyl (15- 93)

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

FORM 6
PCB INITIAL CALIBRATION DATA

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project CTO 0029 NAS PENSACOLA SDG No.: CTO29-1

Instrument ID: GC06 Calibration Date(s): 05/21/07 05/22/07

Column: ZB-MULTIRESIDUE-1 ID: 0.53 (mm) Calibration Time(s): 1542 0604

LAB FILE ID: RF0.05: 6AE3187 RF0.1: 6AE3188 RF0.25: 6AE3189
RF1: 6AE3190 RF2.5: 6AE3191 RF10: 6AE3192

COMPOUND	RF0.05	RF0.1	RF0.25	RF1	RF2.5	RF10	CURVE	COEFFICENTS A0	A1	A2	%RSD OR R^2	MAX %RS OR R^2
Aroclor-1016	1886	3765	8783	30595	62774	202110	2ORDR	-3.72e-002	3.482e-005	7.352e-011	0.99980	0.99000
(2)	1413	2704	6450	23779	50053	162510	2ORDR	-2.68e-002	4.406e-005	1.087e-010	0.99987	0.99000
(3)	3841	7366	17467	62906	134620	441790	2ORDR	-2.8e-002	1.66e-005	1.382e-011	0.99990	0.99000
(4)	2028	3946	9363	34093	72307	233530	2ORDR	-2.62e-002	3.045e-005	5.35e-011	0.99989	0.99000
(5)	1573	3066	7373	28537	61891	208220	2ORDR	-1.93e-002	3.664e-005	5.517e-011	0.99991	0.99000
Aroclor-1221				11081			2ORDR	0.00000000	9.024e-005	0.00000000	1.00000	0.99000
(2)				3712			2ORDR	0.00000000	2.694e-004	0.00000000	1.00000	0.99000
(3)				14337			2ORDR	0.00000000	6.975e-005	0.00000000	1.00000	0.99000
(4)				31706			2ORDR	0.00000000	3.154e-005	0.00000000	1.00000	0.99000
Aroclor-1232				33453			2ORDR	0.00000000	2.989e-005	0.00000000	1.00000	0.99000
(2)				18114			2ORDR	0.00000000	5.521e-005	0.00000000	1.00000	0.99000
(3)				14174			2ORDR	0.00000000	7.055e-005	0.00000000	1.00000	0.99000
(4)				37760			2ORDR	0.00000000	2.648e-005	0.00000000	1.00000	0.99000
(5)				16308			2ORDR	0.00000000	6.132e-005	0.00000000	1.00000	0.99000
Aroclor-1242	1657	3351	7368	25314	53062	167950	2ORDR	-3.59e-002	4.097e-005	1.12e-010	0.99988	0.99000
(2)	1142	2333	5351	19007	41092	133200	2ORDR	-2.69e-002	5.407e-005	1.593e-010	0.99992	0.99000
(3)	3161	6336	14316	50662	108900	359580	2ORDR	-3.15e-002	2.068e-005	2.01e-011	0.99990	0.99000
(4)	1315	2668	6098	22903	49955	170620	2ORDR	-2.47e-002	4.602e-005	7.471e-011	0.99991	0.99000
(5)	1352	2687	6016	21336	45432	154170	2ORDR	-3.65e-002	5.039e-005	9.552e-011	0.99986	0.99000
Aroclor-1248	2468	4435	10091	36414	77014	253030	2ORDR	-3.33e-002	2.903e-005	4.201e-011	0.99987	0.99000
(2)	2812	4928	10948	39144	82790	268900	2ORDR	-3.49e-002	2.683e-005	3.903e-011	0.99988	0.99000
(3)	2049	3585	8086	30049	65460	216800	2ORDR	-2.63e-002	3.452e-005	5.413e-011	0.99993	0.99000
(4)	2112	3707	8369	31658	68422	228290	2ORDR	-2.64e-002	3.31e-005	4.742e-011	0.99991	0.99000
(5)	1674	3007	6807	25310	55962	185830	2ORDR	-2.31e-002	4.054e-005	7.212e-011	0.99995	0.99000
Aroclor-1254	2794	5303	11449	40483	84201	271000	2ORDR	-3.81e-002	2.612e-005	4.036e-011	0.99985	0.99000
(2)	4076	7965	17656	64188	137250	448860	2ORDR	-2.97e-002	1.626e-005	1.356e-011	0.99990	0.99000
(3)	5021	9825	21606	78298	166850	538230	2ORDR	-2.95e-002	1.324e-005	1.004e-011	0.99990	0.99000
(4)	3373	6873	15930	64218	141070	470020	2ORDR	-1.29e-002	1.598e-005	1.132e-011	0.99994	0.99000
(5)	3625	7147	15981	59002	125470	411680	2ORDR	-2.87e-002	1.779e-005	1.598e-011	0.99989	0.99000
Aroclor-1260	3167	5870	13594	48597	101840	341930	2ORDR	-3.69e-002	2.223e-005	2.085e-011	0.99983	0.99000
(2)	4440	8207	18909	66880	143200	472650	2ORDR	-3.27e-002	1.571e-005	1.167e-011	0.99989	0.99000
(3)	3800	7320	17518	65333	139420	467360	2ORDR	-2.62e-002	1.621e-005	1.122e-011	0.99988	0.99000
(4)	5906	11036	26623	99990	217320	753060	2ORDR	-2.54e-002	1.066e-005	3.533e-012	0.99989	0.99000
(5)	3365	6398	15383	58350	126420	437410	2ORDR	-2.46e-002	1.828e-005	1.062e-011	0.99989	0.99000
Tetrachloro-m-xylene	1094	2208	5988	26415	61659	210200	2ORDR	1.865e-004	7.435e-007	9.853e-013	0.99998	0.99000
Decachlorobiphenyl	1333	2532	6000	20933	46562	145210	2ORDR	-3.73e-004	9.31e-007	3.092e-012	0.99998	0.99000

Calibration History

Method : \\Target_server\GG\chem\gc06.i\GC06AE21A1.b\PCBA071A.m
Start Cal Date: 21-MAY-2007 15:42
End Cal Date : 22-MAY-2007 06:04
Last Cal Level: 4
Last Cal Type : Continuing Calibration

Initial Calibration

Injection Date	Sublist	Calibration File
Cal Level: 1 , Cal Amount: 0.05000		
22-MAY-2007 03:36	AR1254	6AE3187.d
22-MAY-2007 00:37	AR1248	6AE3181.d
21-MAY-2007 21:38	AR1242	6AE3175.d
21-MAY-2007 15:42	AR1660	6AE3163.d
Cal Level: 2 , Cal Amount: 0.10000		
22-MAY-2007 04:05	AR1254	6AE3188.d
22-MAY-2007 01:07	AR1248	6AE3182.d
21-MAY-2007 22:08	AR1242	6AE3176.d
21-MAY-2007 16:12	AR1660	6AE3164.d
Cal Level: 3 , Cal Amount: 0.25000		
22-MAY-2007 04:35	AR1254	6AE3189.d
22-MAY-2007 01:37	AR1248	6AE3183.d
21-MAY-2007 22:38	AR1242	6AE3177.d
21-MAY-2007 16:41	AR1660	6AE3165.d
Cal Level: 4 , Cal Amount: 1.00000		
22-MAY-2007 05:05	AR1254	6AE3190.RAW
22-MAY-2007 02:06	AR1248	6AE3184.RAW
21-MAY-2007 23:07	AR1242	6AE3178.RAW
21-MAY-2007 21:08	AR1268	6AE3174.d
21-MAY-2007 20:38	AR1262	6AE3173.d
21-MAY-2007 20:09	AR1232	6AE3172.d
21-MAY-2007 19:39	AR1221	6AE3171.d
21-MAY-2007 17:10	AR1660	6AE3166.d
Cal Level: 5 , Cal Amount: 2.50000		
22-MAY-2007 05:35	AR1254	6AE3191.d
22-MAY-2007 02:36	AR1248	6AE3185.d
21-MAY-2007 23:37	AR1242	6AE3179.d
21-MAY-2007 17:40	AR1660	6AE3167.d
Cal Level: 6 , Cal Amount: 10.00000		

22-MAY-2007 06:04	AR1254	6AE3192.d
22-MAY-2007 03:06	AR1248	6AE3186.d
22-MAY-2007 00:07	AR1242	6AE3180.d
21-MAY-2007 18:10	AR1660	6AE3168.d

Continuing Calibration
Ccal Level Mode: BY SAMPLE

23-MAY-2007 00:42	AR1254	6AE3229.d
23-MAY-2007 00:12	AR1248	6AE3228.d
22-MAY-2007 23:42	AR1242	6AE3227.d
22-MAY-2007 23:12	AR1660	6AE3226.d
22-MAY-2007 21:13	AR1254	6AE3222.d
22-MAY-2007 20:44	AR1248	6AE3221.d
22-MAY-2007 20:14	AR1242	6AE3220.d
22-MAY-2007 19:44	AR1660	6AE3219.d
22-MAY-2007 12:58	AR1254	6AE3206.d
22-MAY-2007 12:29	AR1248	6AE3205.d
22-MAY-2007 12:00	AR1242	6AE3204.d
22-MAY-2007 11:30	AR1660	6AE3203.d
22-MAY-2007 05:05	AR1254	6AE3190.RAW
22-MAY-2007 02:06	AR1248	6AE3184.RAW
21-MAY-2007 23:07	AR1242	6AE3178.RAW
21-MAY-2007 21:08	AR1268	6AE3174.d
21-MAY-2007 20:38	AR1262	6AE3173.d
21-MAY-2007 20:09	AR1232	6AE3172.d
21-MAY-2007 19:39	AR1221	6AE3171.d
21-MAY-2007 19:09	AR1260	6AE3170.d
21-MAY-2007 18:39	AR1016	6AE3169.d
21-MAY-2007 17:10	AR1660	6AE3166.d

FORM 6
PCB INITIAL CALIBRATION DATA

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project CTO 0029 NAS PENSACOLA SDG No.: CTO29-1

Instrument ID: GC06 Calibration Date(s): 05/21/07 05/22/07

Column: ZB-MULTIRESIDUE-2 ID: 0.53 (mm) Calibration Time(s): 1542 0604

LAB FILE ID: RF0.05: 6AE4187 RF0.1: 6AE4188 RF0.25: 6AE4189
RF1: 6AE4190 RF2.5: 6AE4191 RF10: 6AE4192

								COEFFICENTS			%RSD	MAX %RS
COMPOUND	RF0.05	RF0.1	RF0.25	RF1	RF2.5	RF10	CURVE	A0	A1	A2	OR R^2	OR R^2
Aroclor-1016	1691	3088	7083	25033	51680	162100	2ORDR	-3.37e-002	4.15e-005	1.26e-010	0.99986	0.99000
(2)	1443	2601	6152	22427	48170	153500	2ORDR	-2.38e-002	4.54e-005	1.297e-010	0.99993	0.99000
(3)	2944	5530	13157	49437	105590	344420	2ORDR	-2.31e-002	2.101e-005	2.352e-011	0.99990	0.99000
(4)	1473	2691	6340	23910	51662	169790	2ORDR	-2.24e-002	4.33e-005	9.271e-011	0.99992	0.99000
(5)	1277	2382	5743	22207	48933	158730	2ORDR	-1.35e-002	4.534e-005	1.118e-010	0.99996	0.99000
Aroclor-1221				9586			2ORDR	0.00000000	1.043e-004	0.00000000	1.00000	0.99000
(2)				3481			2ORDR	0.00000000	2.873e-004	0.00000000	1.00000	0.99000
(3)				11498			2ORDR	0.00000000	8.697e-005	0.00000000	1.00000	0.99000
(4)				26008			2ORDR	0.00000000	3.845e-005	0.00000000	1.00000	0.99000
Aroclor-1232				27454			2ORDR	0.00000000	3.642e-005	0.00000000	1.00000	0.99000
(2)				14983			2ORDR	0.00000000	6.674e-005	0.00000000	1.00000	0.99000
(3)				13580			2ORDR	0.00000000	7.364e-005	0.00000000	1.00000	0.99000
(4)				29426			2ORDR	0.00000000	3.398e-005	0.00000000	1.00000	0.99000
(5)				12727			2ORDR	0.00000000	7.857e-005	0.00000000	1.00000	0.99000
Aroclor-1242	1312	2637	5974	20293	43591	136500	2ORDR	-2.99e-002	4.967e-005	1.746e-010	0.99993	0.99000
(2)	1112	2229	5047	18105	39941	128500	2ORDR	-2.22e-002	5.554e-005	1.748e-010	0.99996	0.99000
(3)	2335	4676	10791	38980	86061	283760	2ORDR	-2.3e-002	2.622e-005	3.21e-011	0.99995	0.99000
(4)	1131	2298	5310	18959	41872	150450	2ORDR	-3.2e-002	5.675e-005	6.61e-011	0.99990	0.99000
(5)	996	1997	4690	17463	39897	133570	2ORDR	-1.42e-002	5.735e-005	1.32e-010	0.99998	0.99000
Aroclor-1248	1785	3168	7319	26870	58125	191820	2ORDR	-2.71e-002	3.872e-005	7.074e-011	0.99992	0.99000
(2)	1996	3504	7877	27357	57462	183180	2ORDR	-3.67e-002	3.81e-005	9.122e-011	0.99988	0.99000
(3)	2151	3691	8324	29926	63610	206420	2ORDR	-3.28e-002	3.492e-005	6.638e-011	0.99990	0.99000
(4)	1545	2796	6585	24450	54087	180890	2ORDR	-2.19e-002	4.21e-005	7.359e-011	0.99995	0.99000
(5)	1147	2105	4932	18560	41210	137380	2ORDR	-1.94e-002	5.513e-005	1.297e-010	0.99996	0.99000
Aroclor-1254	2320	4502	9841	36333	76717	248410	2ORDR	-2.99e-002	2.879e-005	4.669e-011	0.99988	0.99000
(2)	2902	5682	12492	46532	99359	325610	2ORDR	-2.78e-002	2.246e-005	2.562e-011	0.99990	0.99000
(3)	3637	7043	15659	57371	123480	401360	2ORDR	-2.69e-002	1.801e-005	1.738e-011	0.99992	0.99000
(4)	2444	4900	11236	45564	102970	347840	2ORDR	-9.31e-003	2.222e-005	1.887e-011	0.99997	0.99000
(5)	2937	5408	11743	42972	92229	303350	2ORDR	-3.11e-002	2.435e-005	2.876e-011	0.99991	0.99000
Aroclor-1260	2574	4653	10686	38635	82579	272040	2ORDR	-3.08e-002	2.718e-005	3.568e-011	0.99989	0.99000
(2)	3034	5596	12833	46138	97700	315720	2ORDR	-3.07e-002	2.26e-005	2.906e-011	0.99989	0.99000
(3)	2824	5190	12294	46283	100670	334330	2ORDR	-2.21e-002	2.241e-005	2.265e-011	0.99992	0.99000
(4)	4394	8217	19817	75387	164740	570370	2ORDR	-2.3e-002	1.405e-005	6.18e-012	0.99990	0.99000
(5)	2627	4937	12071	46714	102300	344350	2ORDR	-1.75e-002	2.222e-005	1.998e-011	0.99993	0.99000
Tetrachloro-m-xylene	906	1824	4613	19552	46308	159570	2ORDR	1.042e-004	1.002e-006	1.57e-012	0.99999	0.99000
Decachlorobiphenyl	933	1764	4304	15574	35272	109520	2ORDR	-1.93e-004	1.224e-006	5.512e-012	1.00000	0.99000

Calibration History

Method : \\Target_server\GG\chem\gc06.i\GC06AE21B1.b\PCBB071A.m
Start Cal Date: 21-MAY-2007 15:42
End Cal Date : 22-MAY-2007 06:04
Last Cal Level: 4
Last Cal Type : Continuing Calibration

Initial Calibration

Injection Date	Sublist	Calibration File
Cal Level: 1 , Cal Amount: 0.05000		
22-MAY-2007 03:36	AR1254	6AE4187.d
22-MAY-2007 00:37	AR1248	6AE4181.d
21-MAY-2007 21:38	AR1242	6AE4175.RAW
21-MAY-2007 15:42	AR1660	6AE4163.d
Cal Level: 2 , Cal Amount: 0.10000		
22-MAY-2007 04:05	AR1254	6AE4188.d
22-MAY-2007 01:07	AR1248	6AE4182.d
21-MAY-2007 22:08	AR1242	6AE4176.RAW
21-MAY-2007 16:12	AR1660	6AE4164.d
Cal Level: 3 , Cal Amount: 0.25000		
22-MAY-2007 04:35	AR1254	6AE4189.d
22-MAY-2007 01:37	AR1248	6AE4183.d
21-MAY-2007 22:38	AR1242	6AE4177.d
21-MAY-2007 16:41	AR1660	6AE4165.d
Cal Level: 4 , Cal Amount: 1.00000		
22-MAY-2007 05:05	AR1254	6AE4190.d
22-MAY-2007 02:06	AR1248	6AE4184.d
21-MAY-2007 23:07	AR1242	6AE4178.RAW
21-MAY-2007 21:08	AR1268	6AE4174.d
21-MAY-2007 20:38	AR1262	6AE4173.d
21-MAY-2007 20:09	AR1232	6AE4172.RAW
21-MAY-2007 19:39	AR1221	6AE4171.RAW
21-MAY-2007 17:10	AR1660	6AE4166.RAW
Cal Level: 5 , Cal Amount: 2.50000		
22-MAY-2007 05:35	AR1254	6AE4191.d
22-MAY-2007 02:36	AR1248	6AE4185.d
21-MAY-2007 23:37	AR1242	6AE4179.d
21-MAY-2007 17:40	AR1660	6AE4167.d
Cal Level: 6 , Cal Amount: 10.00000		

22-MAY-2007 06:04	AR1254	6AE4192.d
22-MAY-2007 03:06	AR1248	6AE4186.d
22-MAY-2007 00:07	AR1242	6AE4180.d
21-MAY-2007 18:10	AR1660	6AE4168.RAW

Continuing Calibration
Ccal Level Mode: BY SAMPLE

23-MAY-2007 00:42	AR1254	6AE4229.d
23-MAY-2007 00:12	AR1248	6AE4228.d
22-MAY-2007 21:13	AR1254	6AE4222.d
22-MAY-2007 20:44	AR1248	6AE4221.d
22-MAY-2007 12:58	AR1254	6AE4206.d
22-MAY-2007 12:29	AR1248	6AE4205.d
22-MAY-2007 05:05	AR1254	6AE4190.d
22-MAY-2007 02:06	AR1248	6AE4184.d
22-MAY-2007 23:42	AR1242	6AE4227.d
22-MAY-2007 23:12	AR1660	6AE4226.d
22-MAY-2007 20:14	AR1242	6AE4220.d
22-MAY-2007 19:44	AR1660	6AE4219.d
22-MAY-2007 12:00	AR1242	6AE4204.d
22-MAY-2007 11:30	AR1660	6AE4203.d
21-MAY-2007 23:07	AR1242	6AE4178.RAW
21-MAY-2007 21:08	AR1268	6AE4174.d
21-MAY-2007 20:38	AR1262	6AE4173.d
21-MAY-2007 20:09	AR1232	6AE4172.RAW
21-MAY-2007 19:39	AR1221	6AE4171.RAW
21-MAY-2007 19:09	AR1260	6AE4170.d
21-MAY-2007 18:39	AR1016	6AE4169.d
21-MAY-2007 17:10	AR1660	6AE4166.RAW

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 0029 NAS PENSACOLA SDG No.: CTO29-1

Instrument ID: GC06 Calibration Date: 05/21/07 Time: 1839

Lab File ID: 6AE3169 Init. Calib. Date(s): 05/21/07 05/22/07

Init. Calib. Times: 1542 0604

GC Column: ZB-MULTIRESIDUE-1 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	1.0291000	1.0000000	28863.000	0.01	2.91	15.00	2RDR
(2)	0.9882800	1.0000000	21860.000	0.01	-1.17	15.00	2RDR
(3)	0.9921100	1.0000000	58590.000	0.01	-0.79	15.00	2RDR
(4)	0.9913400	1.0000000	31656.000	0.01	-0.87	15.00	2RDR
(5)	0.9820000	1.0000000	26286.000	0.01	-1.80	15.00	2RDR
Average %D: -0.340							

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 0029 NAS PENSACOLA SDG No.: CTO29-1

Instrument ID: GC06 Calibration Date: 05/21/07 Time: 1839

Lab File ID: 6AE4169 Init. Calib. Date(s): 05/21/07 05/22/07

Init. Calib. Times: 1542 0604

GC Column: ZB-MULTIRESIDUE-2 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	1.0115000	1.0000000	23510.000	0.01	1.15	15.00	2RDR
(2)	0.9773100	1.0000000	20812.000	0.01	-2.27	15.00	2RDR
(3)	0.9730300	1.0000000	45134.000	0.01	-2.70	15.00	2RDR
(4)	0.9791200	1.0000000	22085.000	0.01	-2.09	15.00	2RDR
(5)	0.9464500	1.0000000	20168.000	0.01	-5.36	15.00	2RDR
Average %D: -2.250							

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 0029 NAS PENSACOLA SDG No.: CTO29-1

Instrument ID: GC06 Calibration Date: 05/21/07 Time: 1909

Lab File ID: 6AE3170 Init. Calib. Date(s): 05/21/07 05/22/07

Init. Calib. Times: 1542 0604

GC Column: ZB-MULTIRESIDUE-1 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	0.9729000	1.0000000	43631.000	0.01	-2.71	15.00	2RDR
(2)	0.9855200	1.0000000	61948.000	0.01	-1.45	15.00	2RDR
(3)	1.0199000	1.0000000	61865.000	0.01	1.99	15.00	2RDR
(4)	0.8625900	1.0000000	81159.000	0.01	-13.74	15.00	2RDR
(5)	0.9032100	1.0000000	49352.000	0.01	-9.68	15.00	2RDR
Average %D: -5.120							

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 0029 NAS PENSACOLA SDG No.: CTO29-1

Instrument ID: GC06 Calibration Date: 05/21/07 Time: 1909

Lab File ID: 6AE4170 Init. Calib. Date(s): 05/21/07 05/22/07

Init. Calib. Times: 1542 0604

GC Column: ZB-MULTIRESIDUE-2 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	0.9680900	1.0000000	35137.000	0.01	-3.19	15.00	2RDR
(2)	0.9814800	1.0000000	42463.000	0.01	-1.85	15.00	2RDR
(3)	1.0548000	1.0000000	45924.000	0.01	5.48	15.00	2RDR
(4)	0.8703700	1.0000000	61891.000	0.01	-12.96	15.00	2RDR
(5)	0.8932700	1.0000000	39587.000	0.01	-10.67	15.00	2RDR
Average %D: -4.640							

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 0029 NAS PENSACOLA SDG No.: CTO29-1

Instrument ID: GC06 Calibration Date: 06/20/07 Time: 1241

Lab File ID: 6AF3059 Init. Calib. Date(s): 05/21/07 05/22/07

Init. Calib. Times: 1542 0604

GC Column: ZB-MULTIRESIDUE-1 ID: 0.53 (mm)

COMPOUND	$\overline{RRF}$ or AMOUNT	RRF1.0000 or AMOUNT	CCAL RRF1.0000	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE
Aroclor-1016	1.0311000	1.0000000	28914.000	0.01	3.11	15.00	2RDR
(2)	1.0160000	1.0000000	22427.000	0.01	1.60	15.00	2RDR
(3)	1.0496000	1.0000000	61741.000	0.01	4.96	15.00	2RDR
(4)	0.9957400	1.0000000	31786.000	0.01	-0.43	15.00	2RDR
(5)	0.9744100	1.0000000	26094.000	0.01	-2.56	15.00	2RDR
Average %D: 1.3400							
Aroclor-1260	1.0045000	1.0000000	44942.000	0.01	0.45	15.00	2RDR
(2)	1.0017000	1.0000000	62891.000	0.01	0.17	15.00	2RDR
(3)	0.9845600	1.0000000	59857.000	0.01	-1.54	15.00	2RDR
(4)	1.0031000	1.0000000	93627.000	0.01	0.31	15.00	2RDR
(5)	1.0018000	1.0000000	54438.000	0.01	0.18	15.00	2RDR
Average %D: -0.090							
Tetrachloro-m-xylene	1.93e-002	2.e-002	1244400.0	0.01	-3.50	15.00	2RDR
Decachlorobiphenyl	1.91e-002	2.e-002	980700.00	0.01	-4.50	15.00	2RDR

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 0029 NAS PENSACOLA SDG No.: CTO29-1

Instrument ID: GC06 Calibration Date: 06/20/07 Time: 1241

Lab File ID: 6AF4059 Init. Calib. Date(s): 05/21/07 05/22/07

Init. Calib. Times: 1542 0604

GC Column: ZB-MULTIRESIDUE-2 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	1.1436000	1.0000000	26275.000	0.01	14.36	15.00	2RDR
(2)	1.1246000	1.0000000	23691.000	0.01	12.46	15.00	2RDR
(3)	1.0873000	1.0000000	50049.000	0.01	8.73	15.00	2RDR
(4)	1.1089000	1.0000000	24808.000	0.01	10.89	15.00	2RDR
(5)	1.0812000	1.0000000	22854.000	0.01	8.12	15.00	2RDR
Average %D: 10.910							
Aroclor-1260	1.1205000	1.0000000	40241.000	0.01	12.05	15.00	2RDR
(2)	1.1221000	1.0000000	48036.000	0.01	12.21	15.00	2RDR
(3)	1.0968000	1.0000000	47636.000	0.01	9.68	15.00	2RDR
(4)	1.0987000	1.0000000	77205.000	0.01	9.87	15.00	2RDR
(5)	1.1013000	1.0000000	48264.000	0.01	10.13	15.00	2RDR
Average %D: 10.790							
Tetrachloro-m-xylene	2.2e-002	2.e-002	1056600.0	0.01	10.00	15.00	2RDR
Decachlorobiphenyl	2.13e-002	2.e-002	817550.00	0.01	6.50	15.00	2RDR

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 0029 NAS PENSACOLA SDG No.: CTO29-1

Instrument ID: GC06 Calibration Date: 06/20/07 Time: 1836

Lab File ID: 6AF3071 Init. Calib. Date(s): 05/21/07 05/22/07

Init. Calib. Times: 1542 0604

GC Column: ZB-MULTIRESIDUE-1 ID: 0.53 (mm)

COMPOUND	RRF or AMOUNT	RRF0.2500 or AMOUNT	CCAL RRF0.2500	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE	
Aroclor-1016	0.2885700	0.2500000	36708.000	0.01	15.43	15.00	2RDR	<
(2)	0.2800900	0.2500000	27396.000	0.01	12.04	15.00	2RDR	
(3)	0.2844500	0.2500000	74132.000	0.01	13.78	15.00	2RDR	
(4)	0.2782800	0.2500000	39320.000	0.01	11.31	15.00	2RDR	
(5)	0.2642900	0.2500000	30604.000	0.01	5.72	15.00	2RDR	
Average %D: 11.640								
Aroclor-1260	0.2902800	0.2500000	58064.000	0.01	16.11	15.00	2RDR	<
(2)	0.2921600	0.2500000	81468.000	0.01	16.86	15.00	2RDR	<
(3)	0.2819400	0.2500000	75040.000	0.01	12.78	15.00	2RDR	
(4)	0.2811600	0.2500000	114020.00	0.01	12.46	15.00	2RDR	
(5)	0.2787100	0.2500000	65764.000	0.01	11.48	15.00	2RDR	
Average %D: 13.960								
Tetrachloro-m-xylene	5.2e-003	5.e-003	1335600.0	0.01	4.00	15.00	2RDR	<
Decachlorobiphenyl	5.9e-003	5.e-003	1318600.0	0.01	18.00	15.00	2RDR	<

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 0029 NAS PENSACOLA SDG No.: CTO29-1

Instrument ID: GC06 Calibration Date: 06/20/07 Time: 1836

Lab File ID: 6AF4071 Init. Calib. Date(s): 05/21/07 05/22/07

Init. Calib. Times: 1542 0604

GC Column: ZB-MULTIRESIDUE-2 ID: 0.53 (mm)

COMPOUND	RRF or AMOUNT	RRF0.2500 or AMOUNT	CCAL RRF0.2500	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE	
Aroclor-1016	0.2998200	0.2500000	31400.000	0.01	19.93	15.00	2RDR	<
(2)	0.2947600	0.2500000	27524.000	0.01	17.90	15.00	2RDR	<
(3)	0.2915200	0.2500000	58928.000	0.01	16.61	15.00	2RDR	<
(4)	0.2960500	0.2500000	28968.000	0.01	18.42	15.00	2RDR	<
(5)	0.2900100	0.2500000	26348.000	0.01	16.00	15.00	2RDR	<
Average %D: 17.760								
Aroclor-1260	0.3124900	0.2500000	49724.000	0.01	25.00	15.00	2RDR	<
(2)	0.3072000	0.2500000	58692.000	0.01	22.88	15.00	2RDR	<
(3)	0.3003200	0.2500000	56740.000	0.01	20.13	15.00	2RDR	<
(4)	0.3050200	0.2500000	92428.000	0.01	22.01	15.00	2RDR	<
(5)	0.2998100	0.2500000	56416.000	0.01	19.92	15.00	2RDR	<
Average %D: 22.000								
Tetrachloro-m-xylene	5.36e-003	5.e-003	1040800.0	0.01	7.20	15.00	2RDR	<
Decachlorobiphenyl	6.22e-003	5.e-003	1023400.0	0.01	24.40	15.00	2RDR	<

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 0029 NAS PENSACOLA SDG No.: CTO29-1

Instrument ID: GC06 Calibration Date: 06/28/07 Time: 1310

Lab File ID: 6AF3252 Init. Calib. Date(s): 05/21/07 05/22/07

Init. Calib. Times: 1542 0604

GC Column: ZB-MULTIRESIDUE-1 ID: 0.53 (mm)

COMPOUND	RRF or AMOUNT	RRF0.2500 or AMOUNT	CCAL RRF0.2500	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE	
Aroclor-1016	0.2963200	0.2500000	37564.000	0.01	18.53	15.00	2RDR	<
(2)	0.2851000	0.2500000	27836.000	0.01	14.04	15.00	2RDR	
(3)	0.2843200	0.2500000	74100.000	0.01	13.73	15.00	2RDR	
(4)	0.2813100	0.2500000	39704.000	0.01	12.52	15.00	2RDR	
(5)	0.2690900	0.2500000	31116.000	0.01	7.64	15.00	2RDR	
Average %D: 13.280								
Aroclor-1260	0.3060200	0.2500000	60820.000	0.01	22.41	15.00	2RDR	<
(2)	0.2953500	0.2500000	82256.000	0.01	18.14	15.00	2RDR	<
(3)	0.2831200	0.2500000	75324.000	0.01	13.25	15.00	2RDR	
(4)	0.2621200	0.2500000	107000.00	0.01	4.85	15.00	2RDR	
(5)	0.2575300	0.2500000	61212.000	0.01	3.01	15.00	2RDR	
Average %D: 12.320								
Tetrachloro-m-xylene	4.84e-003	5.e-003	1242200.0	0.01	-3.20	15.00	2RDR	<
Decachlorobiphenyl	4.5e-003	5.e-003	1029800.0	0.01	-10.00	15.00	2RDR	<

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 0029 NAS PENSACOLA SDG No.: CTO29-1

Instrument ID: GC06 Calibration Date: 06/28/07 Time: 1310

Lab File ID: 6AF4252 Init. Calib. Date(s): 05/21/07 05/22/07

Init. Calib. Times: 1542 0604

GC Column: ZB-MULTIRESIDUE-2 ID: 0.53 (mm)

COMPOUND	RRF or AMOUNT	RRF0.2500 or AMOUNT	CCAL RRF0.2500	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE	
Aroclor-1016	0.2855700	0.2500000	30088.000	0.01	14.23	15.00	2RDR	
(2)	0.2800500	0.2500000	26276.000	0.01	12.02	15.00	2RDR	
(3)	0.2692600	0.2500000	54820.000	0.01	7.70	15.00	2RDR	
(4)	0.2784700	0.2500000	27392.000	0.01	11.39	15.00	2RDR	
(5)	0.2688300	0.2500000	24536.000	0.01	7.53	15.00	2RDR	
Average %D: 10.560								
Aroclor-1260	0.2898400	0.2500000	46492.000	0.01	15.94	15.00	2RDR	<
(2)	0.2803600	0.2500000	54108.000	0.01	12.14	15.00	2RDR	
(3)	0.2628900	0.2500000	50236.000	0.01	5.16	15.00	2RDR	
(4)	0.2603700	0.2500000	79956.000	0.01	4.15	15.00	2RDR	
(5)	0.2495900	0.2500000	47580.000	0.01	-0.16	15.00	2RDR	
Average %D: 7.4400								
Tetrachloro-m-xylene	4.61e-003	5.e-003	892000.00	0.01	-7.80	15.00	2RDR	<
Decachlorobiphenyl	4.57e-003	5.e-003	764600.00	0.01	-8.60	15.00	2RDR	<

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 0029 NAS PENSACOLA SDG No.: CTO29-1

Instrument ID: GC06 Calibration Date: 06/28/07 Time: 2034

Lab File ID: 6AF3267 Init. Calib. Date(s): 05/21/07 05/22/07

Init. Calib. Times: 1542 0604

GC Column: ZB-MULTIRESIDUE-1 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	1.0512000	1.0000000	29428.000	0.01	5.12	15.00	2RDR
(2)	1.0677000	1.0000000	23482.000	0.01	6.77	15.00	2RDR
(3)	1.0888000	1.0000000	63878.000	0.01	8.88	15.00	2RDR
(4)	1.0425000	1.0000000	33165.000	0.01	4.25	15.00	2RDR
(5)	1.0260000	1.0000000	27398.000	0.01	2.60	15.00	2RDR
Average %D: 5.5300							
Aroclor-1260	1.1208000	1.0000000	49747.000	0.01	12.08	15.00	2RDR
(2)	1.0955000	1.0000000	68330.000	0.01	9.55	15.00	2RDR
(3)	1.0947000	1.0000000	66104.000	0.01	9.47	15.00	2RDR
(4)	1.0720000	1.0000000	99698.000	0.01	7.20	15.00	2RDR
(5)	1.0722000	1.0000000	58055.000	0.01	7.22	15.00	2RDR
Average %D: 9.1000							
Tetrachloro-m-xylene	1.95e-002	2.e-002	1257200.0	0.01	-2.50	15.00	2RDR
Decachlorobiphenyl	1.98e-002	2.e-002	1015500.0	0.01	-1.00	15.00	2RDR

FORM VII PEST

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 0029 NAS PENSACOLA SDG No.: CTO29-1

Instrument ID: GC06 Calibration Date: 06/28/07 Time: 2034

Lab File ID: 6AF4267 Init. Calib. Date(s): 05/21/07 05/22/07

Init. Calib. Times: 1542 0604

GC Column: ZB-MULTIRESIDUE-2 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	1.0776000	1.0000000	24898.000	0.01	7.76	15.00	2RDR
(2)	1.0642000	1.0000000	22516.000	0.01	6.42	15.00	2RDR
(3)	1.0348000	1.0000000	47796.000	0.01	3.48	15.00	2RDR
(4)	1.0503000	1.0000000	23583.000	0.01	5.03	15.00	2RDR
(5)	1.0437000	1.0000000	22110.000	0.01	4.37	15.00	2RDR
Average %D: 5.4100							
Aroclor-1260	1.0967000	1.0000000	39448.000	0.01	9.67	15.00	2RDR
(2)	1.0867000	1.0000000	46640.000	0.01	8.67	15.00	2RDR
(3)	1.0831000	1.0000000	47078.000	0.01	8.31	15.00	2RDR
(4)	1.0919000	1.0000000	76749.000	0.01	9.19	15.00	2RDR
(5)	1.0584000	1.0000000	46484.000	0.01	5.84	15.00	2RDR
Average %D: 8.3400							
Tetrachloro-m-xylene	1.99e-002	2.e-002	957000.00	0.01	-0.50	15.00	2RDR
Decachlorobiphenyl	1.97e-002	2.e-002	760550.00	0.01	-1.50	15.00	2RDR

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 0029 NAS PENSACOLA SDG No.: CTO29-1

Instrument ID: GC06 Calibration Date: 06/29/07 Time: 0400

Lab File ID: 6AF3282 Init. Calib. Date(s): 05/21/07 05/22/07

Init. Calib. Times: 1542 0604

GC Column: ZB-MULTIRESIDUE-1 ID: 0.53 (mm)

COMPOUND	RRF or AMOUNT	RRF0.2500 or AMOUNT	CCAL RRF0.2500	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE	
Aroclor-1016	0.2788900	0.2500000	35636.000	0.01	11.56	15.00	2RDR	
(2)	0.2707600	0.2500000	26576.000	0.01	8.30	15.00	2RDR	
(3)	0.2858200	0.2500000	74452.000	0.01	14.33	15.00	2RDR	
(4)	0.2761400	0.2500000	39048.000	0.01	10.46	15.00	2RDR	
(5)	0.2585900	0.2500000	29996.000	0.01	3.44	15.00	2RDR	
Average %D: 9.6000								
Aroclor-1260	0.3172600	0.2500000	62784.000	0.01	26.90	15.00	2RDR	<
(2)	0.3064200	0.2500000	84988.000	0.01	22.57	15.00	2RDR	<
(3)	0.2924700	0.2500000	77572.000	0.01	16.99	15.00	2RDR	<
(4)	0.2969900	0.2500000	119850.00	0.01	18.80	15.00	2RDR	<
(5)	0.2903000	0.2500000	68252.000	0.01	16.12	15.00	2RDR	<
Average %D: 20.280								
Tetrachloro-m-xylene	4.88e-003	5.e-003	1253000.0	0.01	-2.40	15.00	2RDR	<
Decachlorobiphenyl	5.68e-003	5.e-003	1273400.0	0.01	13.60	15.00	2RDR	<

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 0029 NAS PENSACOLA SDG No.: CTO29-1

Instrument ID: GC06 Calibration Date: 06/29/07 Time: 0400

Lab File ID: 6AF4282 Init. Calib. Date(s): 05/21/07 05/22/07

Init. Calib. Times: 1542 0604

GC Column: ZB-MULTIRESIDUE-2 ID: 0.53 (mm)

COMPOUND	RRF or AMOUNT	RRF0.2500 or AMOUNT	CCAL RRF0.2500	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE	
Aroclor-1016	0.2656400	0.2500000	28248.000	0.01	6.26	15.00	2RDR	
(2)	0.2554500	0.2500000	24184.000	0.01	2.18	15.00	2RDR	
(3)	0.2569000	0.2500000	52536.000	0.01	2.76	15.00	2RDR	
(4)	0.2683600	0.2500000	26484.000	0.01	7.34	15.00	2RDR	
(5)	0.2471300	0.2500000	22676.000	0.01	-1.15	15.00	2RDR	
Average %D: 3.4800								
Aroclor-1260	0.2836000	0.2500000	45600.000	0.01	13.44	15.00	2RDR	
(2)	0.2795700	0.2500000	53972.000	0.01	11.83	15.00	2RDR	
(3)	0.2732800	0.2500000	52044.000	0.01	9.31	15.00	2RDR	
(4)	0.2675800	0.2500000	81972.000	0.01	7.03	15.00	2RDR	
(5)	0.2773500	0.2500000	52468.000	0.01	10.94	15.00	2RDR	
Average %D: 10.520								
Tetrachloro-m-xylene	4.87e-003	5.e-003	945000.00	0.01	-2.60	15.00	2RDR	<
Decachlorobiphenyl	5.34e-003	5.e-003	886800.00	0.01	6.80	15.00	2RDR	<

FORM 8
PCB ANALYTICAL SEQUENCE

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 0029 NAS PENSACOLA SDG No.: CTO29-1

GC Column: ZB-MULTIRESIDUE-1 ID: 0.53 (mm) Init. Calib. Date(s): 05/21/07 05/22/07

Instrument ID: GC06

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION
TCX: 5.13 DCB: 18.12

	CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	TCX RT #	DCB RT #
01		AR1660 0.05	05/21/07	1542	5.14	18.13
02		AR1660 0.1	05/21/07	1612	5.13	18.12
03		AR1660 0.25	05/21/07	1641	5.13	18.12
04		AR1660 1.0	05/21/07	1710	5.13	18.12
05		AR1660 2.5	05/21/07	1740	5.13	18.12
06		AR1660 10	05/21/07	1810	5.12	18.11
07		AR1016 1.0	05/21/07	1839		
08		AR1260 1.0	05/21/07	1909		
09		AR1221 1.0	05/21/07	1939		
10		AR1232 1.0	05/21/07	2009		
11		AR1242 1	05/21/07	2307		
12		AR1248 1.0	05/22/07	0206		
13		AR1254 1.0	05/22/07	0505		
14		AR1660 1.0PP	06/20/07	1241	5.09	18.08
15	WG40180-BLAN	WG40180-1	06/20/07	1609	5.09	18.07
16	WG40180-LCS	WG40180-2	06/20/07	1638	5.08	18.07
17		AR1660 0.25P	06/20/07	1836	5.09	18.07
18		AR1660 0.25P	06/28/07	1310	5.09	18.08
19	OLFS4-MW40-0	SA3013-1	06/28/07	1835	5.10	18.07
20	OLFS4-MW40-0	WG40180-3	06/28/07	1904	5.09	18.07

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
PCB ANALYTICAL SEQUENCE

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 0029 NAS PENSACOLA SDG No.: CTO29-1

GC Column: ZB-MULTIRESIDUE-1 ID: 0.53 (mm) Init. Calib. Date(s): 05/21/07 05/22/07

Instrument ID: GC06

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION
TCX: 5.13 DCB: 18.12

	CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	TCX RT #	DCB RT #
01	OLFS4-MW40-0	WG40180-4	06/28/07	1934	5.09	18.07
02		AR1660 1.0PP	06/28/07	2034	5.09	18.07
03	OLFS4-MW37-0	SA3013-3	06/28/07	2233	5.09	18.07
04	OLFS4-MW37-0	SA3013-5	06/28/07	2303	5.09	18.07
05	OLFS4-MW39-0	SA3013-7	06/28/07	2332	5.09	18.07
06	OLFS4-MW38-0	SA3013-9	06/29/07	0002	5.09	18.07
07	OLFS4-MW41-0	SA3013-11	06/29/07	0032	5.09	18.07
08	OLFS4-MW45-0	SA3013-13	06/29/07	0102	5.09	18.07
09	OLFS4-MW46-0	SA3013-15	06/29/07	0131	5.09	18.07
10	OLFS4-MW44-0	SA3013-17	06/29/07	0201	5.09	18.07
11	OLFS4-MW42-0	SA3013-19	06/29/07	0231	5.10	18.07
12	OLFS4-MW43-0	SA3013-21	06/29/07	0301	5.09	18.07
13		AR1660 0.25P	06/29/07	0400	5.09	18.08
14						
15						
16						
17						
18						
19						
20						

QC LIMITS
TCX = Tetrachloro-m-xylene (+/- 0.07 MINUTES)
DCB = Decachlorobiphenyl (+/- 0.07 MINUTES)

Column used to flag retention time values with an asterisk.
* Values outside of QC limits.

FORM 8
PCB ANALYTICAL SEQUENCE

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 0029 NAS PENSACOLA SDG No.: CTO29-1

GC Column: ZB-MULTIRESIDUE-2 ID: 0.53 (mm) Init. Calib. Date(s): 05/21/07 05/22/07

Instrument ID: GC06

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION
TCX: 5.35 DCB: 18.62

	CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	TCX RT #	DCB RT #
01		AR1660 0.05	05/21/07	1542	5.35	18.62
02		AR1660 0.1	05/21/07	1612	5.35	18.62
03		AR1660 0.25	05/21/07	1641	5.35	18.62
04		AR1660 1.0	05/21/07	1710	5.35	18.62
05		AR1660 2.5	05/21/07	1740	5.35	18.62
06		AR1660 10	05/21/07	1810	5.35	18.61
07		AR1016 1.0	05/21/07	1839		
08		AR1260 1.0	05/21/07	1909		
09		AR1221 1.0	05/21/07	1939		
10		AR1232 1.0	05/21/07	2009		
11		AR1242 1	05/21/07	2307		
12		AR1248 1.0	05/22/07	0206		
13		AR1254 1.0	05/22/07	0505		
14		AR1660 1.0PP	06/20/07	1241	5.32	18.57
15	WG40180-BLAN	WG40180-1	06/20/07	1609	5.31	18.57
16	WG40180-LCS	WG40180-2	06/20/07	1638	5.31	18.57
17		AR1660 0.25P	06/20/07	1836	5.31	18.56
18		AR1660 0.25P	06/28/07	1310	5.33	18.57
19	OLFS4-MW40-0	SA3013-1	06/28/07	1835	5.32	18.56
20	OLFS4-MW40-0	WG40180-3	06/28/07	1904	5.32	18.56

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
PCB ANALYTICAL SEQUENCE

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 0029 NAS PENSACOLA SDG No.: CTO29-1

GC Column: ZB-MULTIRESIDUE-2 ID: 0.53 (mm) Init. Calib. Date(s): 05/21/07 05/22/07

Instrument ID: GC06

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION
TCX: 5.35 DCB: 18.62

	CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	TCX RT #	DCB RT #
01	OLFS4-MW40-0	WG40180-4	06/28/07	1934	5.32	18.56
02		AR1660 1.0PP	06/28/07	2034	5.32	18.56
03	OLFS4-MW37-0	SA3013-3	06/28/07	2233	5.32	18.56
04	OLFS4-MW37-0	SA3013-5	06/28/07	2303	5.32	18.56
05	OLFS4-MW39-0	SA3013-7	06/28/07	2332	5.32	18.56
06	OLFS4-MW38-0	SA3013-9	06/29/07	0002	5.32	18.57
07	OLFS4-MW41-0	SA3013-11	06/29/07	0032	5.32	18.57
08	OLFS4-MW45-0	SA3013-13	06/29/07	0102	5.32	18.56
09	OLFS4-MW46-0	SA3013-15	06/29/07	0131	5.32	18.57
10	OLFS4-MW44-0	SA3013-17	06/29/07	0201	5.32	18.57
11	OLFS4-MW42-0	SA3013-19	06/29/07	0231	5.32	18.57
12	OLFS4-MW43-0	SA3013-21	06/29/07	0301	5.32	18.56
13		AR1660 0.25P	06/29/07	0400	5.32	18.57
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 4

SEMIVOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE ID

WG40172-BLANK

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 0029 NAS PENSACOLA SDG No.: CTO29-1

Lab File ID: CAF2166 Lab Sample ID: WG40172-1

Instrument ID: GC12 Date Extracted: 06/18/07

Matrix: (soil/water) WATER Date Analyzed: 06/28/07

Level:(low/med) LOW Time Analyzed: 1344

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	WG40172-LCS	WG40172-2	CAF2167	06/28/07	1459
02	OLFS4-MW40-0607	SA3013-1	CAF2168	06/28/07	1614
03	OLFS4-MW37-0607	SA3013-3	CAF2169	06/28/07	1728
04	OLFS4-MW37-0607-D	SA3013-5	CAF2170	06/28/07	1844
05	OLFS4-MW39-0607	SA3013-7	CAF2171	06/28/07	2000
06	OLFS4-MW38-0607	SA3013-9	CAF2172	06/28/07	2115
07	OLFS4-MW41-0607	SA3013-11	CAF2173	06/28/07	2231
08	OLFS4-MW40-0607MS	WG40172-3	CAF2174	06/28/07	2346
09	OLFS4-MW40-0607MSD	WG40172-4	CAF2175	06/29/07	0101
10	OLFS4-MW45-0607	SA3013-13RA2	CAG2044	07/05/07	1807
11	OLFS4-MW46-0607	SA3013-15RA2	CAG2045	07/05/07	1922
12	OLFS4-MW44-0607	SA3013-17RA2	CAG2046	07/05/07	2038
13	OLFS4-MW42-0607	SA3013-19RA2	CAG2047	07/05/07	2153
14	OLFS4-MW43-0607	SA3013-21RA	CAG2048	07/05/07	2308
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					

COMMENTS:

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client:
Project: CTO 0029 NAS Pensacola
PO No:
Sample Date:
Received Date:
Extraction Date: 06/18/07
Analysis Date: 28-JUN-2007 13:44
Report Date: 07/11/2007
Matrix: WATER
% Solids: NA

Lab ID: WG40172-1
Client ID: WG40172-Blank
SDG: CTO29-1
Extracted by: GN
Extraction Method: SW846 3510
Analyst: TR
Analysis Method: SW846 M8015
Lab Prep Batch: WG40172
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
	Petroleum Range Organics	U	290	1.0	500	500	290
	n-Triacontane-D62		116%				
	O-Terphenyl		116%				

FORM 2

WATER FL-PRO SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 0029 NAS PENSACOLA SDG No.: CTO29-1

	CLIENT SAMPLE ID	LAB SAMPLE ID	S1 #	S2 OTP#	S3 #	S4 #	S5 #	S6 #	S7 #	S8 #	TOT OUT
01	WG40172-BLANK	WG40172-1	116	116							0
02	WG40172-LCS	WG40172-2	119	119							0
03	OLFS4-MW40-0607	SA3013-1	112	116							0
04	OLFS4-MW37-0607	SA3013-3	121	119							0
05	OLFS4-MW37-0607-D	SA3013-5	130	129							0
06	OLFS4-MW39-0607	SA3013-7	136	136							0
07	OLFS4-MW38-0607	SA3013-9	139	139							0
08	OLFS4-MW41-0607	SA3013-11	142	142							0
09	OLFS4-MW40-0607MS	WG40172-3	115	119							0
10	OLFS4-MW40-0607MSD	WG40172-4	116	119							0
11	OLFS4-MW45-0607	SA3013-13RA2	116	121							0
12	OLFS4-MW46-0607	SA3013-15RA2	108	110							0
13	OLFS4-MW44-0607	SA3013-17RA2	144	147J							1
14	OLFS4-MW42-0607	SA3013-19RA2	126	127							0
15	OLFS4-MW43-0607	SA3013-21RA	138	142							0
16											
17											
18											
19											
20											
21											
22											
23											
24											
25											
26											
27											
28											

		QC LIMITS
S1	= n-Triacontane-D62	(42-193)
S2 (OTP)	= O-Terphenyl	(82-142)

\# Column to be used to flag recovery values

J Values outside of contract required QC limits

D Surrogate diluted out

KATAHDIN ANALYTICAL SERVICES
LAB CONTROL SAMPLE

Client:
Project: CTO 0029 NAS Pensacola
PO No:
Sample Date:
Received Date:
Extraction Date: 06/18/07
Analysis Date: 06/28/07
Report Date: 07/11/2007
Matrix: WATER

Lab ID: WG40172-2
Client ID: WG40172-LCS
SDG: CTO29-1
Extracted by: GN
Extraction Method: SW846 3510
Analyst: TR
Analysis Method: SW846 M8015
Lab Prep Batch: WG40172
Units: ug/L

COMPOUND	LCS SPIKE	SAMPLE CONC.	LCS CONC.	%REC.	QC. LIMITS
Petroleum Range Organics	1700	NA	1900	112	55-118

KATAHDIN ANALYTICAL SERVICES
MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Client: Tetra Tech NUS, Inc
Project: CTO 0029 NAS Pensacola
PO No:
Sample Date: 06/12/07
Received Date: 06/15/07
Extraction Date: 06/18/07
Analysis Date: 06/29/07
Report Date: 07/11/2007
Matrix: WATER

Lab ID: WG40172-3 & WG40172-4
Client ID: OLFS4-MW40-0607MS & OLFS4-MW40-0607MSD
SDG: CTO29-1
Extracted by: GN
Extraction Method: SW846 3510
Analyst: TR
Analysis Method: SW846 M8015
Lab Prep Batch: WG40172
Units: ug/L

COMPOUND	MS SPIKE	MSD SPIKE	SAMPLE CONC.	MS CONC.	MSD CONC.	MS %REC.	MSD %REC.	%RPD	%RPD LIMIT	QC. LIMITS
Petroleum Range Organics	1635	1667	0.00	2000	2000	* 122	* 120	0.0	20	41-101

FORM 6
FL-PRO INITIAL CALIBRATION DATA

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project CTO 0029 NAS PENSACOLA SDG No.: CTO29-1

Instrument ID: GC12 Calibration Date(s): 04/11/07 04/11/07

Column: ZB-1 ID: 0.53 (mm) Calibration Time(s): 1144 1642

LAB FILE ID: RF5: CAD2083 RF20: CAD2082 RF50: CAD2079
RF100: CAD2081 RF200: CAD2080

							COEFFICENTS		%RSD	MAX %RSD
COMPOUND	RF5	RF20	RF50	RF100	RF200	CURVE	A0	A1	OR R^2	OR R^2
C-24	30908	112490	275760	628750	1160500	LINR	-4.65e-002	1.699e-004	0.99778	0.99000
C-8	38137	117320	293350	607570	1126500	LINR	-1.7098058	1.765e-004	0.99855	0.99000
C-10	30197	110410	288320	613450	1141100	LINR	-0.5763415	1.733e-004	0.99852	0.99000
C-12	30405	110450	289770	616680	1144000	LINR	-0.6139304	1.728e-004	0.99840	0.99000
C-14	30017	111190	289780	619950	1152200	LINR	-0.4997925	1.716e-004	0.99846	0.99000
C-16	30273	111190	292010	626640	1162000	LINR	-0.4627521	1.7e-004	0.99835	0.99000
C-18	31902	112500	293410	630490	1165500	LINR	-0.6213926	1.695e-004	0.99823	0.99000
C-28	31382	112630	294780	634450	1164200	LINR	-0.7116424	1.695e-004	0.99790	0.99000
C-20	31193	111710	292680	628850	1165200	LINR	-0.5152742	1.696e-004	0.99832	0.99000
C-22	31002	112110	294880	633380	1174500	LINR	-0.4624836	1.682e-004	0.99834	0.99000
FL-PRO peaks C8-C40	686770	1897400	4896000	1e+007	2e+007	LINR	-19.231026	1.732e-004	0.99816	0.99000
C-26	31407	112840	295010	626830	1161100	LINR	-0.7138365	1.703e-004	0.99836	0.99000
C-38	78139	104440	266480	578560	1055200	LINR	-3.4641441	1.9e-004	0.99578	0.99000
C-40	93592	99559	260270	561490	1024600	LINR	-4.3295363	1.966e-004	0.99394	0.99000
C-30	32717	114670	297090	638380	1179400	LINR	-0.6884325	1.676e-004	0.99822	0.99000
C-32	34769	114540	295280	635430	1171600	LINR	-0.8441394	1.688e-004	0.99815	0.99000
C-34	41231	116250	296940	648240	1192400	LINR	-1.0073077	1.66e-004	0.99795	0.99000
C-36	59493	113120	280150	610930	1116400	LINR	-2.3816614	1.786e-004	0.99726	0.99000
O-Terphenyl	6585.40	6424.50	6391.70	6916.20	6257.50	AVRG		6515.04800	3.880	40.000
n-Triacontane-D62	5547.60	5175.70	5108.10	5583.90	5322.40	AVRG		5347.55133	4.004	40.000

FORM VI FL-PRO

FORM 7B
SEMIVOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 0029 NAS PENSACOLA SDG No.: CTO29-1

Instrument ID: GC12 Calibration Date: 06/29/07 Time: 0447

Lab File ID: CAF2178 Init. Calib. Date(s): 04/11/07 04/11/07

Init. Calib. Times: 1144 1642

GC Column: ZB-1 ID: 0.53 (mm)

COMPOUND	RRF or AMOUNT	RRF20.000 or AMOUNT	CCAL RRF20.000	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE	
C-24	17.829000	20.000000	5259.5000	0.01	-10.86	25.00	LINR	
C-8	17.923000	20.000000	5562.0000	0.01	-10.38	25.00	LINR	
C-10	17.438000	20.000000	5196.6000	0.01	-12.81	25.00	LINR	
C-12	17.481000	20.000000	5235.4000	0.01	-12.60	25.00	LINR	
C-14	17.512000	20.000000	5249.0000	0.01	-12.44	25.00	LINR	
C-16	17.340000	20.000000	5236.0000	0.01	-13.30	25.00	LINR	
C-18	17.343000	20.000000	5297.8000	0.01	-13.28	25.00	LINR	
C-28	17.343000	20.000000	5325.4000	0.01	-13.28	25.00	LINR	
C-20	17.525000	20.000000	5319.4000	0.01	-12.38	25.00	LINR	
C-22	17.519000	20.000000	5345.0000	0.01	-12.40	25.00	LINR	
FL-PRO peaks C8-C40	277.74000	340.00000	5072.5000	0.01	-18.31	25.00	LINR	
C-26	17.466000	20.000000	5337.8000	0.01	-12.67	25.00	LINR	
C-38	12.533000	20.000000	4209.1000	0.01	-37.34	25.00	LINR	<
C-40	4.8167000	20.000000	2326.1000	0.01	-75.92	25.00	LINR	<
C-30	17.357000	20.000000	5383.8000	0.01	-13.22	25.00	LINR	
C-32	17.282000	20.000000	5369.5000	0.01	-13.59	25.00	LINR	
C-34	17.017000	20.000000	5428.1000	0.01	-14.92	25.00	LINR	
C-36	16.019000	20.000000	5152.2000	0.01	-19.90	25.00	LINR	
O-Terphenyl	6515.1000	6097.0000	6097.0000	0.01	-6.42	25.00	AVRG	
n-Triacontane-D62	5347.5000	4852.9000	4852.9000	0.01	-9.25	25.00	AVRG	

FORM VII PEST

FORM 7B
SEMIVOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 0029 NAS PENSACOLA SDG No.: CTO29-1

Instrument ID: GC12 Calibration Date: 07/05/07 Time: 1457

Lab File ID: CAG2042 Init. Calib. Date(s): 04/11/07 04/11/07

Init. Calib. Times: 1144 1642

GC Column: ZB-1 ID: 0.53 (mm)

COMPOUND	RRF or AMOUNT	RRF50.000 or AMOUNT	CCAL RRF50.000	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE
C-24	56.347000	50.000000	6637.1000	0.01	12.69	25.00	LINR
C-8	56.329000	50.000000	6577.0000	0.01	12.66	25.00	LINR
C-10	55.841000	50.000000	6509.9000	0.01	11.68	25.00	LINR
C-12	55.724000	50.000000	6520.1000	0.01	11.45	25.00	LINR
C-14	56.097000	50.000000	6597.4000	0.01	12.19	25.00	LINR
C-16	56.388000	50.000000	6688.1000	0.01	12.78	25.00	LINR
C-18	56.429000	50.000000	6729.7000	0.01	12.86	25.00	LINR
C-28	56.441000	50.000000	6743.1000	0.01	12.88	25.00	LINR
C-20	56.569000	50.000000	6732.7000	0.01	13.14	25.00	LINR
C-22	56.509000	50.000000	6773.9000	0.01	13.02	25.00	LINR
FL-PRO peaks C8-C40	948.92000	850.00000	6582.4000	0.01	11.64	25.00	LINR
C-26	56.949000	50.000000	6772.1000	0.01	13.90	25.00	LINR
C-38	54.841000	50.000000	6136.5000	0.01	9.68	25.00	LINR
C-40	50.509000	50.000000	5578.7000	0.01	1.02	25.00	LINR
C-30	56.108000	50.000000	6778.1000	0.01	12.22	25.00	LINR
C-32	56.050000	50.000000	6741.4000	0.01	12.10	25.00	LINR
C-34	56.224000	50.000000	6894.2000	0.01	12.45	25.00	LINR
C-36	55.562000	50.000000	6489.8000	0.01	11.12	25.00	LINR
O-Terphenyl	6515.1000	7158.7000	7158.7000	0.01	9.88	25.00	AVRG
n-Triacontane-D62	5347.5000	6023.9000	6023.9000	0.01	12.65	25.00	AVRG

FORM VII PEST

FORM 7B
SEMIVOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 0029 NAS PENSACOLA SDG No.: CTO29-1

Instrument ID: GC12 Calibration Date: 07/06/07 Time: 0254

Lab File ID: CAG2051 Init. Calib. Date(s): 04/11/07 04/11/07

Init. Calib. Times: 1144 1642

GC Column: ZB-1 ID: 0.53 (mm)

COMPOUND	RRF or AMOUNT	RRF20.000 or AMOUNT	CCAL RRF20.000	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE
C-24	22.935000	20.000000	6762.0000	0.01	14.68	25.00	LINR
C-8	24.067000	20.000000	7302.6000	0.01	20.34	25.00	LINR
C-10	22.264000	20.000000	6588.8000	0.01	11.32	25.00	LINR
C-12	22.108000	20.000000	6574.3000	0.01	10.54	25.00	LINR
C-14	22.392000	20.000000	6671.2000	0.01	11.96	25.00	LINR
C-16	22.494000	20.000000	6751.8000	0.01	12.47	25.00	LINR
C-18	22.411000	20.000000	6792.2000	0.01	12.06	25.00	LINR
C-28	22.389000	20.000000	6813.8000	0.01	11.94	25.00	LINR
C-20	22.671000	20.000000	6836.8000	0.01	13.36	25.00	LINR
C-22	22.574000	20.000000	6847.6000	0.01	12.87	25.00	LINR
FL-PRO peaks C8-C40	372.97000	340.00000	6673.6000	0.01	9.70	25.00	LINR
C-26	22.551000	20.000000	6830.6000	0.01	12.76	25.00	LINR
C-38	19.930000	20.000000	6155.4000	0.01	-0.35	25.00	LINR
C-40	16.189000	20.000000	5218.4000	0.01	-19.06	25.00	LINR
C-30	22.381000	20.000000	6882.8000	0.01	11.90	25.00	LINR
C-32	22.254000	20.000000	6842.2000	0.01	11.27	25.00	LINR
C-34	22.189000	20.000000	6985.8000	0.01	10.94	25.00	LINR
C-36	21.171000	20.000000	6595.0000	0.01	5.86	25.00	LINR
O-Terphenyl	6515.1000	7884.8000	7884.8000	0.01	21.02	25.00	AVRG
n-Triacontane-D62	5347.5000	6289.6000	6289.6000	0.01	17.62	25.00	AVRG

FORM VII PEST

FORM 8
FL-PRO ANALYTICAL SEQUENCE

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 0029 NAS PENSACOLA SDG No.: CTO29-1

GC Column: ZB-1 ID: 0.53 (mm) Init. Calib. Date(s): 04/11/07 04/11/07

Instrument ID: GC12

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION
S1 : 15.43 S2 : 22.29

	CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	S1 RT #	S2 RT #
01		FLPRO 50UG/M	04/11/07	1144	15.40	22.24
02		FLPRO 200UG/	04/11/07	1259	15.40	22.24
03		FLPRO 100UG/	04/11/07	1414	15.40	22.24
04		FLPRO 20UG/M	04/11/07	1528	15.40	22.24
05		FLPRO 5UG/ML	04/11/07	1642	15.40	22.24
06		FLPRO IND50	04/11/07	1756	15.39	22.24
07		FLPRO 50UG/M	06/28/07	1224	15.29	22.03
08	WG40172-BLAN	WG40172-1	06/28/07	1344	15.29	22.02
09	WG40172-LCS	WG40172-2	06/28/07	1459	15.29	22.03
10	OLFS4-MW40-0	SA3013-1	06/28/07	1614	15.29	22.03
11	OLFS4-MW37-0	SA3013-3	06/28/07	1728	15.28	22.03
12	OLFS4-MW37-0	SA3013-5	06/28/07	1844	15.28	22.01
13	OLFS4-MW39-0	SA3013-7	06/28/07	2000	15.27	22.01
14	OLFS4-MW38-0	SA3013-9	06/28/07	2115	15.27	22.02
15	OLFS4-MW41-0	SA3013-11	06/28/07	2231	15.27	22.01
16	OLFS4-MW40-0	WG40172-3	06/28/07	2346	15.28	22.01
17	OLFS4-MW40-0	WG40172-4	06/29/07	0101	15.28	22.02
18		FLPRO 20UG/M	06/29/07	0447	15.28	22.02
19		FLPRO 50UG/M	07/05/07	1457	15.27	21.97
20	OLFS4-MW45-0	SA3013-13RA2	07/05/07	1807	15.27	21.97

QC LIMITS

S1 = O-Terphenyl (+/- 0.31 MINUTES)
S2 = n-Triacontane-D62 (+/- 0.45 MINUTES)

Column used to flag retention time values with an asterisk.
* Values outside of QC limits.

FORM 8
FL-PRO ANALYTICAL SEQUENCE

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 0029 NAS PENSACOLA SDG No.: CTO29-1

GC Column: ZB-1 ID: 0.53 (mm) Init. Calib. Date(s): 04/11/07 04/11/07

Instrument ID: GC12

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION
S1 : 15.43 S2 : 22.29

	CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	S1 RT #	S2 RT #
01	OLFS4-MW46-0	SA3013-15RA2	07/05/07	1922	15.25	21.96
02	OLFS4-MW44-0	SA3013-17RA2	07/05/07	2038	15.25	21.96
03	OLFS4-MW42-0	SA3013-19RA2	07/05/07	2153	15.25	21.96
04	OLFS4-MW43-0	SA3013-21RA	07/05/07	2308	15.25	21.96
05		FLPRO 20UG/M	07/06/07	0254	15.25	21.95
06						
07						
08						
09						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						

QC LIMITS

S1 = O-Terphenyl (+/- 0.31 MINUTES)
S2 = n-Triacontane-D62 (+/- 0.45 MINUTES)

Column used to flag retention time values with an asterisk.
* Values outside of QC limits.

FORM 4
PESTICIDE METHOD BLANK SUMMARY

CLIENT SAMPLE ID

WG40163-BLANK

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 0029 NAS PENSACOLA SDG No.: CTO29-1

Lab Sample ID: WG40163-1 Lab File ID: 7AF072

Matrix (soil/water) WATER Extraction:(SepF/Cont/Sonc) EPA 504.1

Sulfur Cleanup: (Y/N) N Date Extracted: 06/18/07

Date Analyzed (1): 06/20/07 Date Analyzed (2): 06/20/07

Time Analyzed (1): 1906 Time Analyzed (2): 1906

Instrument ID (1): GC07 Instrument ID (2): GC07

GC Column (1): ZB-MULTIRESIDUE-1 ID: 0.53(mm) GC Column (2): ZB-MULTIRESIDUE-2 ID: 0.53(m

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	WG40163-LCS	WG40163-2	7AF073	06/20/07	06/20/07
02	WG40163-LCSD	WG40163-3	7AF074	06/20/07	06/20/07
03	OLFS4-MW40-0607	SA3013-1	7AF084	06/21/07	06/21/07
04	OLFS4-MW40-0607MS	WG40163-4	7AF085	06/21/07	06/21/07
05	OLFS4-MW40-0607MSD	WG40163-5	7AF086	06/21/07	06/21/07
06	OLFS4-MW37-0607	SA3013-3	7AF087	06/21/07	06/21/07
07	OLFS4-MW37-0607-D	SA3013-5	7AF088	06/21/07	06/21/07
08	OLFS4-MW39-0607	SA3013-7	7AF089	06/21/07	06/21/07
09	OLFS4-MW38-0607	SA3013-9	7AF090	06/21/07	06/21/07
10	OLFS4-MW41-0607	SA3013-11	7AF091	06/21/07	06/21/07
11	OLFS4-MW45-0607	SA3013-13	7AF092	06/21/07	06/21/07
12	OLFS4-MW46-0607	SA3013-15	7AF093	06/21/07	06/21/07
13	OLFS4-MW44-0607	SA3013-17	7AF096	06/21/07	06/21/07
14	OLFS4-MW42-0607	SA3013-19	7AF097	06/21/07	06/21/07
15	OLFS4-MW43-0607	SA3013-21	7AF098	06/21/07	06/21/07
16					
17					
18					
19					
20					
21					
22					
23					
24					

COMMENTS: _____

FORM IV PEST

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client:
Project: CTO 0029 NAS Pensacola
PO No:
Sample Date:
Received Date:
Extraction Date: 06/18/07
Analysis Date: 20-JUN-2007 19:06
Report Date: 07/11/2007
Matrix: WATER
% Solids: NA

Lab ID: WG40163-1
Client ID: WG40163-Blank
SDG: CTO29-1
Extracted by: SJC
Extraction Method: EPA 504.1
Analyst: JLP
Analysis Method: EPA 504.1
Lab Prep Batch: WG40163
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
106-93-4	1,2-Dibromoethane	U	0.0069	1.0	0.020	0.020	0.0069
877-09-8	Tetrachloro-M-Xylene		117%				

FORM 2
WATER VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 0029 NAS PENSACOLA SDG No.: CTO29-1

GC Column(1): ZB-MULTIRESIDUE-1ID: 0.53 (mm)GC Column(2): ZB-MULTIRESIDUE-2ID: 0.53 (mm)

	CLIENT SAMPLE ID	LAB SAMPLE ID	TCX1 REC#	TCX2 REC#	S2 1 REC#	S2 2 REC#	S3 1 REC#	S3 2 REC#	TOT OUT
01		QC IND 0.25PPM	100	90					0
02	WG40163-BLANK	WG40163-1	117	111					0
03	WG40163-LCS	WG40163-2	150J	141J					2
04	WG40163-LCSD	WG40163-3	157J	143J					2
05	OLFS4-MW40-0607	SA3013-1	162J	153J					2
06	OLFS4-MW40-0607MS	WG40163-4	142J	132J					2
07	OLFS4-MW40-0607MSD	WG40163-5	107	96					0
08	OLFS4-MW37-0607	SA3013-3	162J	153J					2
09	OLFS4-MW37-0607-D	SA3013-5	121	109					0
10	OLFS4-MW39-0607	SA3013-7	126J	120					1
11	OLFS4-MW38-0607	SA3013-9	169J	156J					2
12	OLFS4-MW41-0607	SA3013-11	157J	146J					2
13	OLFS4-MW45-0607	SA3013-13	204J	188J					2
14	OLFS4-MW46-0607	SA3013-15	143J	126J					2
15	OLFS4-MW44-0607	SA3013-17	203J	197J					2
16	OLFS4-MW42-0607	SA3013-19	127J	116					1
17	OLFS4-MW43-0607	SA3013-21	155J	143J					2
18									
19									
20									
21									
22									
23									
24									
25									
26									
27									
28									

ADVISORY
QC LIMITS

S1 (TCX) = Tetrachloro-M-Xylene (36-123)

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

KATAHDIN ANALYTICAL SERVICES
LAB CONTROL SAMPLE

Client:
Project: CTO 0029 NAS Pensacola
PO No:
Sample Date:
Received Date:
Extraction Date: 06/18/07
Analysis Date: 06/20/07
Report Date: 07/09/2007
Matrix: WATER

Lab ID: QC IND 0.25PPM
Client ID:
SDG: CTO29-1
Extracted by: SJC
Extraction Method: EPA 504.1
Analyst: JLP
Analysis Method:
Lab Prep Batch: SDGa01140
Units: ug/L

COMPOUND	LCS SPIKE	SAMPLE CONC.	LCS CONC.	%REC.	QC. LIMITS
1,2-Dibromoethane	0.25	NA	0.32	128	70-130

KATAHDIN ANALYTICAL SERVICES
LAB CONTROL SAMPLE

Client:
Project: CTO 0029 NAS Pensacola
PO No:
Sample Date:
Received Date:
Extraction Date: 06/18/07
Analysis Date: 06/20/07
Report Date: 07/09/2007
Matrix: WATER

Lab ID: WG40163-2 & WG40163-3
Client ID: WG40163-LCS & WG40163-LCSD
SDG: CTO29-1
Extracted by: SJC
Extraction Method: EPA 504.1
Analyst: JLP
Analysis Method: EPA 504.1
Lab Prep Batch: WG40163
Units: ug/L

COMPOUND	LCS SPIKE	LCSD SPIKE	SAMPLE CONC.	LCS CONC.	LCSD CONC.	LCS %REC.	LCSD %REC.	%RPD	%RPD LIMIT	QC. LIMITS
1,2-Dibromoethane	0.25	0.25	NA	0.32	0.28	128	114	11	30	70-130

KATAHDIN ANALYTICAL SERVICES
MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Client: Tetra Tech NUS, Inc
Project: CTO 0029 NAS Pensacola
PO No:
Sample Date: 06/12/07
Received Date: 06/15/07
Extraction Date: 06/18/07
Analysis Date: 06/21/07
Report Date: 07/09/2007
Matrix: WATER

Lab ID: WG40163-4 & WG40163-5
Client ID: OLFS4-MW40-0607MS & OLFS4-MW40-0607MSD
SDG: CTO29-1
Extracted by: SJC
Extraction Method: EPA 504.1
Analyst: JLP
Analysis Method: EPA 504.1
Lab Prep Batch: WG40163
Units: ug/L

COMPOUND	MS SPIKE	MSD SPIKE	SAMPLE CONC.	MS CONC.	MSD CONC.	MS %REC.		MSD %REC.	%RPD	%RPD LIMIT	QC. LIMITS
1,2-Dibromoethane	0.24	0.24	0.00	0.18	0.16	75	*	67	12	30	70-130

FORM III PEST-1

7AF085.D & 7AF086.D

FORM 6
VOLATILE INITIAL CALIBRATION DATA

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project CTO 0029 NAS PENSACOLA SDG No.: CTO29-1

Instrument ID: GC07 Calibration Date(s): 04/23/07 06/20/07

Column: ZB-MULTIRESIDUE-1 ID: 0.53 (mm) Calibration Time(s): 1514 1647

LAB FILE ID: RF0.02: 7AF062 RF0.05: 7AF063 RF0.1: 7AF064
RF0.25: 7AF065 RF0.5: 7AF066 RF1: 7AF067

								COEFFICENTS			%RSD	MAX %RS
COMPOUND	RF0.02	RF0.05	RF0.1	RF0.25	RF0.5	RF1	CURVE	A0	A1	A2	OR R^2	OR R^2
1,2-Dibromoethane	838	2922	5971	15176	29852	52518	2ORDR	-1.29e-002	1.931e-005	-1.65e-011	0.99892	0.99000
Tetrachloro-M-Xylene	27169	61479	105080	133150	94017	255080	2ORDR	-0.1417733	1.013e-005	-2.24e-012	0.99407	0.99000

FORM VI VOA

FORM 6
VOLATILE INITIAL CALIBRATION DATA

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project CTO 0029 NAS PENSACOLA SDG No.: CTO29-1

Instrument ID: GC07 Calibration Date(s): 04/23/07 06/20/07

Column: ZB-MULTIRESIDUE-1 ID: 0.53 (mm) Calibration Time(s): 1514 1647

RF2.5: 7AF068

			COEFFICENTS			%RSD	MAX %RSD
COMPOUND	RF2.5	CURVE	A0	A1	A2	OR R^2	OR R^2
1,2-Dibromoethane	149320	2ORDR	-1.29e-002	1.931e-005	-1.65e-011	0.99892	0.99000
Tetrachloro-M-Xylene	586020	2ORDR	-0.1417733	1.013e-005	-2.24e-012	0.99407	0.99000

FORM VI VOA

FORM 6
VOLATILE INITIAL CALIBRATION DATA

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project CTO 0029 NAS PENSACOLA SDG No.: CTO29-1

Instrument ID: GC07 Calibration Date(s): 12/01/06 06/20/07

Column: ZB-MULTIRESIDUE-2 ID: 0.53 (mm) Calibration Time(s): 1345 1647

LAB FILE ID: RF0.02: 7AF062 RF0.05: 7AF063 RF0.1: 7AF064
RF0.25: 7AF065 RF0.5: 7AF066 RF1: 7AF067

								COEFFICENTS			%RSD	MAX %RS
COMPOUND	RF0.02	RF0.05	RF0.1	RF0.25	RF0.5	RF1	CURVE	A0	A1	A2	OR R^2	OR R^2
1,2-Dibromoethane	760	2140	4555	10846	20763	36567	2ORDR	-2.09e-002	2.74e-005	-1.54e-011	0.99907	0.99000
Tetrachloro-M-Xylene	17230	57795	67175	84357	56912	152850	LINR	-0.1617156	1.41e-005		0.99700	0.99000

FORM VI VOA

FORM 6
VOLATILE INITIAL CALIBRATION DATA

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project CTO 0029 NAS PENSACOLA SDG No.: CTO29-1

Instrument ID: GC07 Calibration Date(s): 12/01/06 06/20/07

Column: ZB-MULTIRESIDUE-2 ID: 0.53 (mm) Calibration Time(s): 1345 1647

RF2.5: 7AF068

			COEFFICENTS			%RSD	MAX %RSD
COMPOUND	RF2.5	CURVE	A0	A1	A2	OR R^2	OR R^2
1,2-Dibromoethane	97455	2ORDR	-2.09e-002	2.74e-005	-1.54e-011	0.99907	0.99000
Tetrachloro-M-Xylene	363400	LINR	-0.1617156	1.41e-005		0.99700	0.99000

FORM VI VOA

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 0029 NAS PENSACOLA SDG No.: CTO29-1

Instrument ID: GC07 Calibration Date: 06/21/07 Time: 0133

Lab File ID: 7AF083 Init. Calib. Date(s): 04/23/07 06/20/07

Init. Calib. Times: 1514 1647

GC Column: ZB-MULTIRESIDUE-1 ID: 0.53 (mm)

COMPOUND	RRF or AMOUNT	RRF0.2500 or AMOUNT	CCAL RRF0.2500	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE	
1,2-Dibromoethane	0.2688700	0.2500000	59108.000	0.01	7.55	30.00	2RDR	
Tetrachloro-M-Xylene	1.3903000	1.0000000	156660.00	0.01	39.03	30.00	2RDR	<

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 0029 NAS PENSACOLA SDG No.: CTO29-1

Instrument ID: GC07 Calibration Date: 06/21/07 Time: 0133

Lab File ID: 7AF083 Init. Calib. Date(s): 12/01/06 06/20/07

Init. Calib. Times: 1345 1647

GC Column: ZB-MULTIRESIDUE-2 ID: 0.53 (mm)

COMPOUND	RRF or AMOUNT	RRF0.2500 or AMOUNT	CCAL RRF0.2500	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE
1,2-Dibromoethane	0.2588900	0.2500000	42148.000	0.01	3.56	30.00	2RDR
Tetrachloro-M-Xylene	1.1400000	1.0000000	88664.000	0.01	14.00	30.00	LINR

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 0029 NAS PENSACOLA SDG No.: CTO29-1

Instrument ID: GC07 Calibration Date: 06/21/07 Time: 0831

Lab File ID: 7AF095 Init. Calib. Date(s): 04/23/07 06/20/07

Init. Calib. Times: 1514 1647

GC Column: ZB-MULTIRESIDUE-1 ID: 0.53 (mm)

COMPOUND	RRF or AMOUNT	RRF0.2500 or AMOUNT	CCAL RRF0.2500	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE
1,2-Dibromoethane	0.2531800	0.2500000	55776.000	0.01	1.27	30.00	2RDR
Tetrachloro-M-Xylene	1.1854000	1.0000000	135040.00	0.01	18.54	30.00	2RDR

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 0029 NAS PENSACOLA SDG No.: CTO29-1

Instrument ID: GC07 Calibration Date: 06/21/07 Time: 0831

Lab File ID: 7AF095 Init. Calib. Date(s): 12/01/06 06/20/07

Init. Calib. Times: 1345 1647

GC Column: ZB-MULTIRESIDUE-2 ID: 0.53 (mm)

COMPOUND	RRF or AMOUNT	RRF0.2500 or AMOUNT	CCAL RRF0.2500	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE
1,2-Dibromoethane	0.2471900	0.2500000	42148.000	0.01	-1.12	30.00	2RDR
Tetrachloro-M-Xylene	1.0162000	1.0000000	88664.000	0.01	1.62	30.00	LINR

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 0029 NAS PENSACOLA SDG No.: CTO29-1

Instrument ID: GC07 Calibration Date: 06/21/07 Time: 1521

Lab File ID: 7AF107 Init. Calib. Date(s): 04/23/07 06/20/07

Init. Calib. Times: 1514 1647

GC Column: ZB-MULTIRESIDUE-1 ID: 0.53 (mm)

COMPOUND	RRF or AMOUNT	RRF0.2500 or AMOUNT	CCAL RRF0.2500	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE
1,2-Dibromoethane	0.2751700	0.2500000	60448.000	0.01	10.07	30.00	2RDR
Tetrachloro-M-Xylene	1.2669000	1.0000000	143610.00	0.01	26.69	30.00	2RDR

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 0029 NAS PENSACOLA SDG No.: CTO29-1

Instrument ID: GC07 Calibration Date: 06/21/07 Time: 1521

Lab File ID: 7AF107 Init. Calib. Date(s): 12/01/06 06/20/07

Init. Calib. Times: 1345 1647

GC Column: ZB-MULTIRESIDUE-2 ID: 0.53 (mm)

COMPOUND	RRF or AMOUNT	RRF0.2500 or AMOUNT	CCAL RRF0.2500	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE
1,2-Dibromoethane	0.2661000	0.2500000	42148.000	0.01	6.44	30.00	2RDR
Tetrachloro-M-Xylene	1.0887000	1.0000000	88664.000	0.01	8.87	30.00	LINR

FORM 8
VOLATILE ANALYTICAL SEQUENCE

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 0029 NAS PENSACOLA SDG No.: CTO29-1

GC Column: ZB-MULTIRESIDUE-1 ID: 0.53 (mm) Init. Calib. Date(s): 04/23/07 06/20/07

Instrument ID: GC07

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION
TCX: 23.50

	CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	TCX RT	#	RT	#
01		0.02PPM	06/20/07	1214	23.49			
02		0.05PPM	06/20/07	1400	23.49			
03		0.1PPM	06/20/07	1433	23.50			
04		0.25PPM	06/20/07	1507	23.50			
05		0.5PPM	06/20/07	1540	23.50			
06		1.0PPM	06/20/07	1614	23.50			
07		2.5PPM	06/20/07	1647	23.50			
08		QC IND 0.25P	06/20/07	1754	23.51			
09	WG40163-BLAN	WG40163-1	06/20/07	1906	23.53			
10	WG40163-LCS	WG40163-2	06/20/07	1942	23.53			
11	WG40163-LCSD	WG40163-3	06/20/07	2018	23.53			
12		0.25PPM	06/21/07	0133	23.54			
13	OLFS4-MW40-0	SA3013-1	06/21/07	0208	23.54			
14	OLFS4-MW40-0	WG40163-4	06/21/07	0242	23.54			
15	OLFS4-MW40-0	WG40163-5	06/21/07	0317	23.54			
16	OLFS4-MW37-0	SA3013-3	06/21/07	0352	23.54			
17	OLFS4-MW37-0	SA3013-5	06/21/07	0427	23.54			
18	OLFS4-MW39-0	SA3013-7	06/21/07	0502	23.54			
19	OLFS4-MW38-0	SA3013-9	06/21/07	0537	23.54			
20	OLFS4-MW41-0	SA3013-11	06/21/07	0612	23.54			

QC LIMITS
TCX = Tetrachloro-M-Xylene (+/- 0.24 MINUTES)

Column used to flag retention time values with an asterisk.
* Values outside of QC limits.

FORM 8
VOLATILE ANALYTICAL SEQUENCE

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 0029 NAS PENSACOLA SDG No.: CTO29-1

GC Column: ZB-MULTIRESIDUE-1 ID: 0.53 (mm) Init. Calib. Date(s): 04/23/07 06/20/07

Instrument ID: GC07

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION
TCX: 23.50

	CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	TCX RT #	RT #
01	OLFS4-MW45-0	SA3013-13	06/21/07	0648	23.54	
02	OLFS4-MW46-0	SA3013-15	06/21/07	0724	23.53	
03		0.25PPM	06/21/07	0831	23.51	
04	OLFS4-MW44-0	SA3013-17	06/21/07	0905	23.51	
05	OLFS4-MW42-0	SA3013-19	06/21/07	0939	23.51	
06	OLFS4-MW43-0	SA3013-21	06/21/07	1013	23.51	
07		0.25PPM	06/21/07	1521	23.52	
08						
09						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						

QC LIMITS

TCX = Tetrachloro-M-Xylene (+/- 0.24 MINUTES)

Column used to flag retention time values with an asterisk.
* Values outside of QC limits.

FORM 8
VOLATILE ANALYTICAL SEQUENCE

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 0029 NAS PENSACOLA SDG No.: CTO29-1

GC Column: ZB-MULTIRESIDUE-2 ID: 0.53 (mm) Init. Calib. Date(s): 12/01/06 06/20/07

Instrument ID: GC07

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION
TCX: 23.40

	CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	TCX RT	#	RT	#
01		0.02PPM	06/20/07	1214	23.38			
02		0.05PPM	06/20/07	1400	23.38			
03		0.1PPM	06/20/07	1433	23.39			
04		0.25PPM	06/20/07	1507	23.39			
05		0.5PPM	06/20/07	1540	23.39			
06		1.0PPM	06/20/07	1614	23.39			
07		2.5PPM	06/20/07	1647	23.39			
08		QC IND 0.25P	06/20/07	1754	23.40			
09	WG40163-BLAN	WG40163-1	06/20/07	1906	23.42			
10	WG40163-LCS	WG40163-2	06/20/07	1942	23.42			
11	WG40163-LCSD	WG40163-3	06/20/07	2018	23.41			
12		0.25PPM	06/21/07	0133	23.43			
13	OLFS4-MW40-0	SA3013-1	06/21/07	0208	23.43			
14	OLFS4-MW40-0	WG40163-4	06/21/07	0242	23.43			
15	OLFS4-MW40-0	WG40163-5	06/21/07	0317	23.43			
16	OLFS4-MW37-0	SA3013-3	06/21/07	0352	23.43			
17	OLFS4-MW37-0	SA3013-5	06/21/07	0427	23.43			
18	OLFS4-MW39-0	SA3013-7	06/21/07	0502	23.43			
19	OLFS4-MW38-0	SA3013-9	06/21/07	0537	23.43			
20	OLFS4-MW41-0	SA3013-11	06/21/07	0612	23.43			

QC LIMITS
TCX = Tetrachloro-M-Xylene (+/- 0.24 MINUTES)

Column used to flag retention time values with an asterisk.
* Values outside of QC limits.

FORM 8
VOLATILE ANALYTICAL SEQUENCE

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 0029 NAS PENSACOLA SDG No.: CTO29-1

GC Column: ZB-MULTIRESIDUE-2 ID: 0.53 (mm) Init. Calib. Date(s): 12/01/06 06/20/07

Instrument ID: GC07

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION
TCX: 23.40

	CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	TCX RT #	RT #
01	OLFS4-MW45-0	SA3013-13	06/21/07	0648	23.43	
02	OLFS4-MW46-0	SA3013-15	06/21/07	0724	23.42	
03		0.25PPM	06/21/07	0831	23.40	
04	OLFS4-MW44-0	SA3013-17	06/21/07	0905	23.40	
05	OLFS4-MW42-0	SA3013-19	06/21/07	0939	23.39	
06	OLFS4-MW43-0	SA3013-21	06/21/07	1013	23.39	
07		0.25PPM	06/21/07	1521	23.40	
08						
09						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						

QC LIMITS
TCX = Tetrachloro-M-Xylene (+/- 0.24 MINUTES)

Column used to flag retention time values with an asterisk.
* Values outside of QC limits.

Acetone

SDG TCO29-1

SAMPLE CALC IS AREA	SAMPLE ID OLFS4-MW37-0607 DILUTION	COMPOUND OF INTEREST AREA	IS AMOUNT (NG)	PURGE VOLUME (ML)	AVE RRF	CONCENTRATION PPB
635351	1	16252	250	5	0.1623	7.8783

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 0029 NAS Pensacola
PO No:
Sample Date: 06/12/07
Received Date: 06/15/07
Extraction Date:
Analysis Date: 24-JUN-2007 05:57
Report Date: 07/09/2007
Matrix: WATER
% Solids: NA

Lab ID: SA3013-5
Client ID: OLFS4-MW37-0607-D
SDG: CTO29-1
Extracted by:
Extraction Method: SW846 5030
Analyst: JSS
Analysis Method: SW846 8260B
Lab Prep Batch: WG40398
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	0.4	1.0	2	2	0.4
74-87-3	Chloromethane	U	0.6	1.0	2	2	0.6
75-01-4	Vinyl chloride	U	0.4	1.0	2	2	0.4
74-83-9	Bromomethane	U	0.9	1.0	2	2	0.9
75-00-3	Chloroethane	U	0.5	1.0	2	2	0.5
75-69-4	Trichlorofluoromethane	U	0.4	1.0	2	2	0.4
75-35-4	1,1-Dichloroethene	U	0.4	1.0	1	1	0.4
75-09-2	Methylene Chloride	U	0.4	1.0	5	5	0.4
156-60-5	trans-1,2-Dichloroethene	U	0.5	1.0	1	1	0.5
75-34-3	1,1-Dichloroethane	U	0.4	1.0	1	1	0.4
67-66-3	Chloroform	U	0.4	1.0	1	1	0.4
71-55-6	1,1,1-Trichloroethane	U	0.4	1.0	1	1	0.4
107-06-2	1,2-Dichloroethane	U	0.3	1.0	1	1	0.3
56-23-5	Carbon Tetrachloride	U	0.4	1.0	1	1	0.4
71-43-2	Benzene	U	0.4	1.0	1	1	0.4
78-87-5	1,2-Dichloropropane	U	0.5	1.0	1	1	0.5
79-01-6	Trichloroethene	U	0.5	1.0	1	1	0.5
74-95-3	Dibromomethane	U	0.4	1.0	1	1	0.4
75-27-4	Bromodichloromethane	U	0.3	1.0	1	1	0.3
10061-01-5	cis-1,3-dichloropropene	U	0.4	1.0	1	1	0.4
108-88-3	Toluene	U	0.3	1.0	1	1	0.3
10061-02-6	trans-1,3-Dichloropropene	U	0.2	1.0	1	1	0.2
79-00-5	1,1,2-Trichloroethane	U	0.4	1.0	1	1	0.4
124-48-1	Dibromochloromethane	U	0.3	1.0	1	1	0.3
127-18-4	Tetrachloroethene	U	0.5	1.0	1	1	0.5
106-93-4	1,2-Dibromoethane	U	0.3	1.0	1	1	0.3
108-90-7	Chlorobenzene	U	0.4	1.0	1	1	0.4
630-20-6	1,1,1,2-Tetrachloroethane	U	0.5	1.0	1	1	0.5
100-41-4	Ethylbenzene	U	0.4	1.0	1	1	0.4
75-25-2	Bromoform	U	0.3	1.0	1	1	0.3
100-42-5	Styrene	U	0.3	1.0	1	1	0.3
79-34-5	1,1,2,2-Tetrachloroethane	U	0.5	1.0	1	1	0.5
96-18-4	1,2,3-Trichloropropane	U	0.4	1.0	1	1	0.4
96-12-8	1,2-Dibromo-3-Chloropropane	U	0.7	1.0	1	1	0.7
67-64-1	Acetone		8	1.0	5	5	3
78-93-3	2-Butanone	U	2	1.0	5	5	2
108-10-1	4-methyl-2-pentanone	U	2	1.0	5	5	2
591-78-6	2-Hexanone	U	1	1.0	5	5	1
	m+p-Xylenes	U	1.0	1.0	2	2	1.0
95-47-6	o-Xylene	U	0.4	1.0	1	1	0.4
108-05-4	Vinyl Acetate	U	0.4	1.0	1	1	0.4
75-15-0	Carbon Disulfide	U	0.5	1.0	1	1	0.5
75-05-8	Acetonitrile	U	16	1.0	25	25	16

Data File: \\Target_server\GG\chem\gcms-t.i\T062307.b\T6645.D
Report Date: 09-Jul-2007 10:56

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gcms-t.i\T062307.b\T6645.D
Lab Smp Id: SA3013-5 Client Smp ID: OLFS4-MW37-0607-D
Inj Date : 24-JUN-2007 05:57 MS Autotune Date: 21-MAR-2007 16:3
Operator : JSS Inst ID: gcms-t.i
Smp Info : SA3013-5
Misc Info : SW846 8260B
Comment :
Method : \\Target_server\GG\chem\gcms-t.i\T062307.b\T826a51.m
Meth Date : 26-Jun-2007 11:48 dfry Quant Type: ISTD
Cal Date : 19-JUN-2007 11:59 Cal File: T6514.D
Als bottle: 16
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TETRAT29001.sub
Target Version: 4.12
Processing Host: TARGET02

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	sample purged
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	FINAL (ug/l)
	15 Acetone	43	3.829	3.829	(0.482)	16252	7.87829	7.9
$	37 Dibromofluoromethane	113	6.723	6.735	(0.846)	249717	50.2697	50.3
$	45 1,2-Dichloroethane-D4	65	7.932	7.944	(0.999)	455074	55.4065	55.4
$	55 Toluene-D8	98	10.687	10.698	(1.200)	671751	47.5582	47.6
$	76 P-Bromofluorobenzene	95	14.046	14.046	(1.577)	301513	50.5959	50.6
*	91 1,4-Dichlorobenzene-D4	152	15.569	15.581	(1.000)	352852	50.0000	
*	66 Chlorobenzene-D5	117	12.454	12.465	(1.000)	590081	50.0000	
*	49 1,4-Difluorobenzene	114	8.908	8.908	(1.000)	655718	50.0000	
*	42 Pentafluorobenzene	168	7.944	7.955	(1.000)	635351	50.0000	

FORM 6
VOLATILE INITIAL CALIBRATION DATA

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project CTO 0029 NAS PENSACOLA SDG No.: CTO29-1

Instrument ID: GCMS-T Calibration Date(s): 06/19/07 06/19/07

Column: RTX-VMS ID: 0.18 (mm) Calibration Time(s): 0918 1159

LAB FILE ID: RF1: T6514 RF5: T6513 RF20: T6512
RF50: T6511 RF100: T6510 RF200: T6509

								COEFFICENTS			%RSD	MAX %RS
COMPOUND	RF1	RF5	RF20	RF50	RF100	RF200	CURVE	A0	A1	A2	OR R^2	OR R^2
Dichlorodifluoromethane	0.578	0.575	0.516	0.480	0.517	0.537	AVRG		0.53403142		7.070	15.000
Chloromethane	0.492	0.504	0.431	0.422	0.419	0.342	AVRG		0.43504641		13.469	15.000
Vinyl chloride	0.387	0.445	0.392	0.357	0.366	0.351	AVRG		0.38280153		8.984	15.000
Bromomethane	11553	48128	177070	404440	752850	1490100	LINR	-9.09e-003	3.27489645		0.99978	0.99000
Chloroethane	6876	30752	114210	273360	512810	967200	LINR	-1.26e-002	5.04986629		0.99993	0.99000
Trichlorofluoromethane	0.898	0.908	0.784	0.697	0.312	0.310	AVRG		0.65163481		42.201	15.000
1,1-Dichloroethene	0.415	0.376	0.338	0.329	0.344	0.339	AVRG		0.35698828		9.159	15.000
Methylene Chloride	13181	48242	190490	473540	897070	1667900	LINR	-1.07e-002	2.91889721		0.99998	0.99000
trans-1,2-Dichloroethene	0.462	0.397	0.357	0.362	0.368	0.357	AVRG		0.38385796		10.711	15.000
1,1-Dichloroethane	0.874	0.802	0.730	0.735	0.738	0.698	AVRG		0.76275623		8.407	15.000
Chloroform	1.157	1.012	0.918	0.924	0.931	0.906	AVRG		0.97461269		9.960	15.000
1,1,1-Trichloroethane	1.096	1.024	0.940	0.932	0.962	0.974	AVRG		0.98797926		6.316	15.000
1,2-Dichloroethane	0.982	0.796	0.726	0.723	0.723	0.743	AVRG		0.78220394		12.986	15.000
Carbon Tetrachloride	0.539	0.616	0.592	0.598	0.655	0.686	AVRG		0.61430369		8.370	15.000
Benzene	1.056	1.201	1.068	1.071	1.052	0.964	AVRG		1.06842557		7.113	15.000
1,2-Dichloropropane	0.243	0.288	0.247	0.252	0.247	0.230	AVRG		0.25155429		7.756	15.000
Trichloroethene	0.531	0.473	0.402	0.398	0.393	0.386	AVRG		0.43059035		13.623	15.000
Dibromomethane	0.334	0.303	0.256	0.257	0.252	0.246	AVRG		0.27469675		12.996	15.000
Bromodichloromethane	0.772	0.675	0.612	0.626	0.626	0.632	AVRG		0.65706727		9.174	15.000
cis-1,3-dichloropropene	0.532	0.562	0.543	0.539	0.537	0.513	AVRG		0.53795414		2.962	15.000
Toluene	0.746	0.795	0.728	0.715	0.694	0.658	AVRG		0.72263967		6.469	15.000
trans-1,3-Dichloropropene	0.565	0.592	0.529	0.515	0.511	0.504	AVRG		0.53620340		6.516	15.000
1,1,2-Trichloroethane	0.266	0.240	0.223	0.227	0.218	0.204	AVRG		0.22980727		9.300	15.000
Dibromochloromethane	0.590	0.565	0.558	0.595	0.596	0.591	AVRG		0.58251793		2.848	15.000
Tetrachloroethene	0.524	0.509	0.478	0.449	0.449	0.425	AVRG		0.47233588		8.129	15.000
1,2-Dibromoethane	0.399	0.370	0.346	0.342	0.349	0.323	AVRG		0.35480257		7.450	15.000
Chlorobenzene	1.217	1.080	0.990	0.963	0.933	0.878	AVRG		1.01021255		12.013	15.000
1,1,1,2-Tetrachloroethane	0.512	0.478	0.463	0.483	0.477	0.473	AVRG		0.48114854		3.471	15.000
Ethylbenzene	1.969	1.960	1.902	1.870	1.837	1.675	AVRG		1.86876671		5.759	15.000
Bromoform	0.424	0.421	0.401	0.423	0.425	0.396	AVRG		0.41491176		3.149	15.000
Styrene	0.895	1.016	1.023	1.041	1.008	0.956	AVRG		0.98999666		5.498	15.000
1,1,2,2-Tetrachloroethane	0.679	0.612	0.613	0.613	0.606	0.525	AVRG		0.60812922		8.065	15.000
1,2,3-Trichloropropane	0.658	0.601	0.563	0.560	0.538	0.491	AVRG		0.56855540		9.982	15.000
1,2-Dibromo-3-Chloropropa	0.182	0.143	0.129	0.140	0.148	0.123	AVRG		0.14436409		14.302	15.000
Acetone	0.218	0.164	0.151	0.150	0.152	0.140	AVRG		0.16234214		17.315	15.000
2-Butanone	0.132	0.143	0.148	0.155	0.164	0.136	AVRG		0.14651200		8.141	15.000
4-methyl-2-pentanone	0.235	0.277	0.274	0.284	0.282	0.245	AVRG		0.26612577		7.861	15.000
2-Hexanone	0.172	0.214	0.231	0.250	0.252	0.214	AVRG		0.22215688		13.347	15.000
m+p-Xylenes	0.588	0.648	0.632	0.623	0.600	0.584	AVRG		0.61265625		4.212	15.000
o-Xylene	0.470	0.562	0.592	0.607	0.596	0.574	AVRG		0.56705272		8.817	15.000
Vinyl Acetate	0.525	0.571	0.582	0.616	0.623	0.581	AVRG		0.58295807		6.056	15.000
Carbon Disulfide	33362	131690	473270	1194700	2330400	4284800	LINR	-5.83e-003	1.13693803		0.99995	0.99000
Acetonitrile	4115	11940	47963	118120	220740	356160	LINR	-0.7063001	133.934550		0.99389	0.99000
Acrolein	0.061	0.046	0.052	0.053	0.054	0.048	AVRG		5.23e-002		10.224	15.000

TETRA TECH NUS, INC. **CALCULATION WORKSHEET** PAGE _____ OF _____

CLIENT		JOB NUMBER	
Sunsley		06389	
SUBJECT			
VOC			
BASED ON		DRAWING NUMBER	
8260B			
BY	CHECKED BY	APPROVED BY	DATE
Ed Bodley			

OLF54-MW44-0607

TPH = 390 ug/L

1306734 x 0.0001732 - 19.231036 = 207.095

$$\frac{207.095 \times 0.002}{1.050} \times \frac{1000}{1} = 390 \text{ ug/L}$$

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 0029 NAS Pensacola
PO No:
Sample Date: 06/13/07
Received Date: 06/15/07
Extraction Date: 06/18/07
Analysis Date: 05-JUL-2007 20:38
Report Date: 07/11/2007
Matrix: WATER
% Solids: NA

Lab ID: SA3013-17RA2
Client ID: OLFS4-MW44-0607
SDG: CTO29-1
Extracted by: GN
Extraction Method: SW846 3510
Analyst: TR
Analysis Method: SW846 M8015
Lab Prep Batch: WG40172
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
	Petroleum Range Organics	I	390	1.0	500	500	280
	n-Triacontane-D62		144%				
	O-Terphenyl		J147%				

Data File: \\Target_server\GG\chem\gc12.i\GC12AG05B1.b\CAG2046.d
Report Date: 11-Jul-2007 10:07

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gc12.i\GC12AG05B1.b\CAG2046.d
Lab Smp Id: SA3013-17RA2 Client Smp ID: OLFS4-MW44-0607
Inj Date : 05-JUL-2007 20:38
Operator : TR Inst ID: gc12.i
Smp Info : FLPB013B.M,GC12AG05B1.B,1,SA3013-17RA2
Misc Info : SW846 M8015
Comment :
Method : \\TARGET_SERVER\GG\chem\gc12.i\GC12AG05B1.B\FLPB013B.m
Meth Date : 06-Jul-2007 08:26 trollins Quant Type: ESTD
Cal Date : 11-APR-2007 15:28 Cal File: CAD2082.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: SW8015M-FLPRO.su
Subtraction File: \\Target_server\GG\chem\gc12.i\GC12AG05B1.b\CAG2041.d
Target Version: 4.12
Processing Host: TARGET03

Concentration Formula: Amt * DF * (Vt/Vo)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00200	Final Volume (L)
Vo	1.050	Sample Volume (L)
Cpnd Variable		Local Compound Variable

	Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/L)
$	9 O-Terphenyl	15.251	15.281	-0.030	479973	73.6714	140(R)
$	15 n-Triacontane-D62	21.958	22.028	-0.070	2313833	432.690	820
S	7 Petroleum Range Organics	5.248-54.754			1306734	207.075	390(a)

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
R - Spike/Surrogate failed recovery limits.

FORM 6
FL-PRO INITIAL CALIBRATION DATA

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project CTO 0029 NAS PENSACOLA SDG No.: CTO29-1

Instrument ID: GC12 Calibration Date(s): 04/11/07 04/11/07

Column: ZB-1 ID: 0.53 (mm) Calibration Time(s): 1144 1642

LAB FILE ID: RF5: CAD2083 RF20: CAD2082 RF50: CAD2079
RF100: CAD2081 RF200: CAD2080

							COEFFICENTS		%RSD	MAX %RSD
COMPOUND	RF5	RF20	RF50	RF100	RF200	CURVE	A0	A1	OR R^2	OR R^2
C-24	30908	112490	275760	628750	1160500	LINR	-4.65e-002	1.699e-004	0.99778	0.99000
C-8	38137	117320	293350	607570	1126500	LINR	-1.7098058	1.765e-004	0.99855	0.99000
C-10	30197	110410	288320	613450	1141100	LINR	-0.5763415	1.733e-004	0.99852	0.99000
C-12	30405	110450	289770	616680	1144000	LINR	-0.6139304	1.728e-004	0.99840	0.99000
C-14	30017	111190	289780	619950	1152200	LINR	-0.4997925	1.716e-004	0.99846	0.99000
C-16	30273	111190	292010	626640	1162000	LINR	-0.4627521	1.7e-004	0.99835	0.99000
C-18	31902	112500	293410	630490	1165500	LINR	-0.6213926	1.695e-004	0.99823	0.99000
C-28	31382	112630	294780	634450	1164200	LINR	-0.7116424	1.695e-004	0.99790	0.99000
C-20	31193	111710	292680	628850	1165200	LINR	-0.5152742	1.696e-004	0.99832	0.99000
C-22	31002	112110	294880	633380	1174500	LINR	-0.4624836	1.682e-004	0.99834	0.99000
FL-PRO peaks C8-C40	686770	1897400	4896000	1e+007	2e+007	LINR	-19.231026	1.732e-004	0.99816	0.99000
C-26	31407	112840	295010	626830	1161100	LINR	-0.7138365	1.703e-004	0.99836	0.99000
C-38	78139	104440	266480	578560	1055200	LINR	-3.4641441	1.9e-004	0.99578	0.99000
C-40	93592	99559	260270	561490	1024600	LINR	-4.3295363	1.966e-004	0.99394	0.99000
C-30	32717	114670	297090	638380	1179400	LINR	-0.6884325	1.676e-004	0.99822	0.99000
C-32	34769	114540	295280	635430	1171600	LINR	-0.8441394	1.688e-004	0.99815	0.99000
C-34	41231	116250	296940	648240	1192400	LINR	-1.0073077	1.66e-004	0.99795	0.99000
C-36	59493	113120	280150	610930	1116400	LINR	-2.3816614	1.786e-004	0.99726	0.99000
O-Terphenyl	6585.40	6424.50	6391.70	6916.20	6257.50	AVRG		6515.04800	3.880	40.000
n-Triacontane-D62	5547.60	5175.70	5108.10	5583.90	5322.40	AVRG		5347.55133	4.004	40.000

FORM VI FL-PRO

APPENDIX B
RESULTS AS REPORTED BY THE LABORATORY

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services **Client Field ID:** OLFS4-MW37-0607

Matrix: WATER **SDG Name:** CTO29-1

Percent Solids: 0.00 **Lab Sample ID:** SA3013-003

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted IDL
7429-90-5	ALUMINUM, TOTAL	65.1	I		P	1	300	19.00
7440-36-0	ANTIMONY, TOTAL	0.87	U		P	1	8.0	0.87
7440-38-2	ARSENIC, TOTAL	2.3	I		P	1	8.0	0.83
7440-39-3	BARIUM, TOTAL	62.1			P	1	5.0	0.45
7440-41-7	BERYLLIUM, TOTAL	0.12	U		P	1	5.0	0.12
7440-43-9	CADMIUM, TOTAL	0.10	U		P	1	10	0.10
7440-70-2	CALCIUM, TOTAL	4180			P	1	50	7.70
7440-47-3	CHROMIUM, TOTAL	5.4	I		P	1	15	0.28
7440-48-4	COBALT, TOTAL	6.3	I		P	1	30	0.26
7440-50-8	COPPER, TOTAL	4.9	I	J	P	1	25	0.22
7439-89-6	IRON, TOTAL	708			P	1	100	5.20
7439-92-1	LEAD, TOTAL	0.91	U		P	1	5.0	0.91
7439-95-4	MAGNESIUM, TOTAL	3860			P	1	50	4.90
7439-96-5	MANGANESE, TOTAL	310			P	1	5.0	0.57
7439-97-6	MERCURY, TOTAL	0.01	U		CV	1	0.20	0.01
7440-02-0	NICKEL, TOTAL	8.7	I		P	1	40	0.41
7440-09-7	POTASSIUM, TOTAL	2010			P	1	1000	86.00
7782-49-2	SELENIUM, TOTAL	1.50	U		P	1	10	1.50
7440-22-4	SILVER, TOTAL	0.46	U		P	1	15	0.46
7440-23-5	SODIUM, TOTAL	4250			P	1	1000	13.00
7440-28-0	THALLIUM, TOTAL	0.84	I		P	1	15	0.71
7440-62-2	VANADIUM, TOTAL	0.58	I		P	1	25	0.29
7440-66-6	ZINC, TOTAL	10	I		P	1	25	0.23

Bottle ID: A

Comments:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services **Client Field ID:** OLFS4-MW37-0607-D

Matrix: WATER **SDG Name:** CTO29-1

Percent Solids: 0.00 **Lab Sample ID:** SA3013-005

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted IDL
7429-90-5	ALUMINUM, TOTAL	31.3	I		P	1	300	19.00
7440-36-0	ANTIMONY, TOTAL	0.87	U		P	1	8.0	0.87
7440-38-2	ARSENIC, TOTAL	0.83	U		P	1	8.0	0.83
7440-39-3	BARIUM, TOTAL	61.8			P	1	5.0	0.45
7440-41-7	BERYLLIUM, TOTAL	0.12	U		P	1	5.0	0.12
7440-43-9	CADMIUM, TOTAL	0.10	U		P	1	10	0.10
7440-70-2	CALCIUM, TOTAL	4290			P	1	50	7.70
7440-47-3	CHROMIUM, TOTAL	2.8	I		P	1	15	0.28
7440-48-4	COBALT, TOTAL	7.0	I		P	1	30	0.26
7440-50-8	COPPER, TOTAL	3.8	I	J	P	1	25	0.22
7439-89-6	IRON, TOTAL	668			P	1	100	5.20
7439-92-1	LEAD, TOTAL	1.8	I		P	1	5.0	0.91
7439-95-4	MAGNESIUM, TOTAL	3980			P	1	50	4.90
7439-96-5	MANGANESE, TOTAL	340			P	1	5.0	0.57
7439-97-6	MERCURY, TOTAL	0.01	U		CV	1	0.20	0.01
7440-02-0	NICKEL, TOTAL	8.3	I		P	1	40	0.41
7440-09-7	POTASSIUM, TOTAL	1940			P	1	1000	86.00
7782-49-2	SELENIUM, TOTAL	1.50	U		P	1	10	1.50
7440-22-4	SILVER, TOTAL	0.46	U		P	1	15	0.46
7440-23-5	SODIUM, TOTAL	4210			P	1	1000	13.00
7440-28-0	THALLIUM, TOTAL	1.2	I		P	1	15	0.71
7440-62-2	VANADIUM, TOTAL	0.70	I		P	1	25	0.29
7440-66-6	ZINC, TOTAL	9.7	I		P	1	25	0.23

Bottle ID: C

Comments:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services **Client Field ID:** OLFS4-MW38-0607

Matrix: WATER **SDG Name:** CTO29-1

Percent Solids: 0.00 **Lab Sample ID:** SA3013-009

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted IDL
7429-90-5	ALUMINUM, TOTAL	215	I		P	1	300	19.00
7440-36-0	ANTIMONY, TOTAL	0.87	U		P	1	8.0	0.87
7440-38-2	ARSENIC, TOTAL	1.8	I		P	1	8.0	0.83
7440-39-3	BARIUM, TOTAL	48.4			P	1	5.0	0.45
7440-41-7	BERYLLIUM, TOTAL	0.12	U		P	1	5.0	0.12
7440-43-9	CADMIUM, TOTAL	0.10	U		P	1	10	0.10
7440-70-2	CALCIUM, TOTAL	10200			P	1	50	7.70
7440-47-3	CHROMIUM, TOTAL	6.2	I		P	1	15	0.28
7440-48-4	COBALT, TOTAL	11.8	I		P	1	30	0.26
7440-50-8	COPPER, TOTAL	4.2	I	J	P	1	25	0.22
7439-89-6	IRON, TOTAL	1060			P	1	100	5.20
7439-92-1	LEAD, TOTAL	0.91	U		P	1	5.0	0.91
7439-95-4	MAGNESIUM, TOTAL	2780			P	1	50	4.90
7439-96-5	MANGANESE, TOTAL	1460			P	1	5.0	0.57
7439-97-6	MERCURY, TOTAL	0.04	I		CV	1	0.20	0.01
7440-02-0	NICKEL, TOTAL	6.5	I		P	1	40	0.41
7440-09-7	POTASSIUM, TOTAL	2100			P	1	1000	86.00
7782-49-2	SELENIUM, TOTAL	1.50	U		P	1	10	1.50
7440-22-4	SILVER, TOTAL	0.46	U		P	1	15	0.46
7440-23-5	SODIUM, TOTAL	11400			P	1	1000	13.00
7440-28-0	THALLIUM, TOTAL	0.71	U		P	1	15	0.71
7440-62-2	VANADIUM, TOTAL	1.0	I		P	1	25	0.29
7440-66-6	ZINC, TOTAL	7.4	I		P	1	25	0.23

Bottle ID: D

Comments:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services **Client Field ID:** OLFS4-MW39-0607

Matrix: WATER **SDG Name:** CTO29-1

Percent Solids: 0.00 **Lab Sample ID:** SA3013-007

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted IDL
7429-90-5	ALUMINUM, TOTAL	116	I		P	1	300	19.00
7440-36-0	ANTIMONY, TOTAL	0.87	U		P	1	8.0	0.87
7440-38-2	ARSENIC, TOTAL	0.83	U		P	1	8.0	0.83
7440-39-3	BARIUM, TOTAL	30.5			P	1	5.0	0.45
7440-41-7	BERYLLIUM, TOTAL	0.12	U		P	1	5.0	0.12
7440-43-9	CADMIUM, TOTAL	0.10	U		P	1	10	0.10
7440-70-2	CALCIUM, TOTAL	11000			P	1	50	7.70
7440-47-3	CHROMIUM, TOTAL	9.3	I		P	1	15	0.28
7440-48-4	COBALT, TOTAL	2.5	I		P	1	30	0.26
7440-50-8	COPPER, TOTAL	2.0	I	J	P	1	25	0.22
7439-89-6	IRON, TOTAL	285			P	1	100	5.20
7439-92-1	LEAD, TOTAL	0.91	U		P	1	5.0	0.91
7439-95-4	MAGNESIUM, TOTAL	1980			P	1	50	4.90
7439-96-5	MANGANESE, TOTAL	410			P	1	5.0	0.57
7439-97-6	MERCURY, TOTAL	0.01	U		CV	1	0.20	0.01
7440-02-0	NICKEL, TOTAL	9.3	I		P	1	40	0.41
7440-09-7	POTASSIUM, TOTAL	1430			P	1	1000	86.00
7782-49-2	SELENIUM, TOTAL	1.50	U		P	1	10	1.50
7440-22-4	SILVER, TOTAL	0.46	U		P	1	15	0.46
7440-23-5	SODIUM, TOTAL	9580			P	1	1000	13.00
7440-28-0	THALLIUM, TOTAL	0.71	U		P	1	15	0.71
7440-62-2	VANADIUM, TOTAL	1.0	I		P	1	25	0.29
7440-66-6	ZINC, TOTAL	4.6	I		P	1	25	0.23

Bottle ID: A

Comments:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services **Client Field ID:** OLFS4-MW40-0607

Matrix: WATER **SDG Name:** CTO29-1

Percent Solids: 0.00 **Lab Sample ID:** SA3013-001

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted IDL
7429-90-5	ALUMINUM, TOTAL	335			P	1	300	19.00
7440-36-0	ANTIMONY, TOTAL	1.5	I		P	1	8.0	0.87
7440-38-2	ARSENIC, TOTAL	1.4	I		P	1	8.0	0.83
7440-39-3	BARIUM, TOTAL	16.6			P	1	5.0	0.45
7440-41-7	BERYLLIUM, TOTAL	0.12	U		P	1	5.0	0.12
7440-43-9	CADMIUM, TOTAL	0.10	U		P	1	10	0.10
7440-70-2	CALCIUM, TOTAL	2450			P	1	50	7.70
7440-47-3	CHROMIUM, TOTAL	22.1			P	1	15	0.28
7440-48-4	COBALT, TOTAL	3.1	I		P	1	30	0.26
7440-50-8	COPPER, TOTAL	13.6	I	J	P	1	25	0.22
7439-89-6	IRON, TOTAL	608			P	1	100	5.20
7439-92-1	LEAD, TOTAL	1.4	I		P	1	5.0	0.91
7439-95-4	MAGNESIUM, TOTAL	789			P	1	50	4.90
7439-96-5	MANGANESE, TOTAL	221			P	1	5.0	0.57
7439-97-6	MERCURY, TOTAL	0.01	U		CV	1	0.20	0.01
7440-02-0	NICKEL, TOTAL	12.8	I		P	1	40	0.41
7440-09-7	POTASSIUM, TOTAL	545	I		P	1	1000	86.00
7782-49-2	SELENIUM, TOTAL	1.50	U		P	1	10	1.50
7440-22-4	SILVER, TOTAL	0.46	U		P	1	15	0.46
7440-23-5	SODIUM, TOTAL	2870			P	1	1000	13.00
7440-28-0	THALLIUM, TOTAL	0.79	I		P	1	15	0.71
7440-62-2	VANADIUM, TOTAL	1.8	I		P	1	25	0.29
7440-66-6	ZINC, TOTAL	12.0	I		P	1	25	0.23

Bottle ID: H

Comments:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services **Client Field ID:** OLFS4-MW41-0607

Matrix: WATER **SDG Name:** CTO29-1

Percent Solids: 0.00 **Lab Sample ID:** SA3013-011

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted IDL
7429-90-5	ALUMINUM, TOTAL	1100			P	1	300	19.00
7440-36-0	ANTIMONY, TOTAL	0.87	U		P	1	8.0	0.87
7440-38-2	ARSENIC, TOTAL	0.95	I		P	1	8.0	0.83
7440-39-3	BARIUM, TOTAL	16.4			P	1	5.0	0.45
7440-41-7	BERYLLIUM, TOTAL	0.12	U		P	1	5.0	0.12
7440-43-9	CADMIUM, TOTAL	0.10	U		P	1	10	0.10
7440-70-2	CALCIUM, TOTAL	3080			P	1	50	7.70
7440-47-3	CHROMIUM, TOTAL	3.5	I		P	1	15	0.28
7440-48-4	COBALT, TOTAL	3.6	I		P	1	30	0.26
7440-50-8	COPPER, TOTAL	9.7	I	J	P	1	25	0.22
7439-89-6	IRON, TOTAL	1340			P	1	100	5.20
7439-92-1	LEAD, TOTAL	1.6	I		P	1	5.0	0.91
7439-95-4	MAGNESIUM, TOTAL	816			P	1	50	4.90
7439-96-5	MANGANESE, TOTAL	270			P	1	5.0	0.57
7439-97-6	MERCURY, TOTAL	0.01	U		CV	1	0.20	0.01
7440-02-0	NICKEL, TOTAL	2.5	I		P	1	40	0.41
7440-09-7	POTASSIUM, TOTAL	737	I		P	1	1000	86.00
7782-49-2	SELENIUM, TOTAL	1.50	U		P	1	10	1.50
7440-22-4	SILVER, TOTAL	0.46	U		P	1	15	0.46
7440-23-5	SODIUM, TOTAL	7580			P	1	1000	13.00
7440-28-0	THALLIUM, TOTAL	1.3	I		P	1	15	0.71
7440-62-2	VANADIUM, TOTAL	2.7	I		P	1	25	0.29
7440-66-6	ZINC, TOTAL	12.1	I		P	1	25	0.23

Bottle ID: D

Comments:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services **Client Field ID:** OLFS4-MW42-0607

Matrix: WATER **SDG Name:** CTO29-1

Percent Solids: 0.00 **Lab Sample ID:** SA3013-019

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted IDL
7429-90-5	ALUMINUM, TOTAL	40.2	I		P	1	300	19.00
7440-36-0	ANTIMONY, TOTAL	0.87	U		P	1	8.0	0.87
7440-38-2	ARSENIC, TOTAL	0.85	I		P	1	8.0	0.83
7440-39-3	BARIUM, TOTAL	16.8			P	1	5.0	0.45
7440-41-7	BERYLLIUM, TOTAL	0.12	U		P	1	5.0	0.12
7440-43-9	CADMIUM, TOTAL	0.10	U		P	1	10	0.10
7440-70-2	CALCIUM, TOTAL	14700			P	1	50	7.70
7440-47-3	CHROMIUM, TOTAL	1.5	I		P	1	15	0.28
7440-48-4	COBALT, TOTAL	1.7	I		P	1	30	0.26
7440-50-8	COPPER, TOTAL	0.93	I	J	P	1	25	0.22
7439-89-6	IRON, TOTAL	58.6	I		P	1	100	5.20
7439-92-1	LEAD, TOTAL	0.91	U		P	1	5.0	0.91
7439-95-4	MAGNESIUM, TOTAL	1780			P	1	50	4.90
7439-96-5	MANGANESE, TOTAL	108			P	1	5.0	0.57
7439-97-6	MERCURY, TOTAL	0.01	U		CV	1	0.20	0.01
7440-02-0	NICKEL, TOTAL	1.6	I		P	1	40	0.41
7440-09-7	POTASSIUM, TOTAL	814	I		P	1	1000	86.00
7782-49-2	SELENIUM, TOTAL	1.50	U		P	1	10	1.50
7440-22-4	SILVER, TOTAL	0.46	U		P	1	15	0.46
7440-23-5	SODIUM, TOTAL	3660			P	1	1000	13.00
7440-28-0	THALLIUM, TOTAL	0.73	I		P	1	15	0.71
7440-62-2	VANADIUM, TOTAL	0.66	I		P	1	25	0.29
7440-66-6	ZINC, TOTAL	4.9	I		P	1	25	0.23

Bottle ID: F

Comments:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services **Client Field ID:** OLFS4-MW43-0607

Matrix: WATER **SDG Name:** CTO29-1

Percent Solids: 0.00 **Lab Sample ID:** SA3013-021

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted IDL
7429-90-5	ALUMINUM, TOTAL	1070			P	1	300	19.00
7440-36-0	ANTIMONY, TOTAL	0.87	U		P	1	8.0	0.87
7440-38-2	ARSENIC, TOTAL	2.0	I		P	1	8.0	0.83
7440-39-3	BARIUM, TOTAL	74.6			P	1	5.0	0.45
7440-41-7	BERYLLIUM, TOTAL	0.12	U		P	1	5.0	0.12
7440-43-9	CADMIUM, TOTAL	0.10	U		P	1	10	0.10
7440-70-2	CALCIUM, TOTAL	47400			P	1	50	7.70
7440-47-3	CHROMIUM, TOTAL	3.1	I		P	1	15	0.28
7440-48-4	COBALT, TOTAL	5.4	I		P	1	30	0.26
7440-50-8	COPPER, TOTAL	9.1	I	J	P	1	25	0.22
7439-89-6	IRON, TOTAL	967			P	1	100	5.20
7439-92-1	LEAD, TOTAL	1.4	I		P	1	5.0	0.91
7439-95-4	MAGNESIUM, TOTAL	6960			P	1	50	4.90
7439-96-5	MANGANESE, TOTAL	1150			P	1	5.0	0.57
7439-97-6	MERCURY, TOTAL	1.1			CV	1	0.20	0.01
7440-02-0	NICKEL, TOTAL	2.8	I		P	1	40	0.41
7440-09-7	POTASSIUM, TOTAL	5520			P	1	1000	86.00
7782-49-2	SELENIUM, TOTAL	1.50	U		P	1	10	1.50
7440-22-4	SILVER, TOTAL	0.46	U		P	1	15	0.46
7440-23-5	SODIUM, TOTAL	20400			P	1	1000	13.00
7440-28-0	THALLIUM, TOTAL	1.5	I		P	1	15	0.71
7440-62-2	VANADIUM, TOTAL	1.2	I		P	1	25	0.29
7440-66-6	ZINC, TOTAL	8.8	I		P	1	25	0.23

Bottle ID: A

Comments:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services **Client Field ID:** OLFS4-MW44-0607

Matrix: WATER **SDG Name:** CTO29-1

Percent Solids: 0.00 **Lab Sample ID:** SA3013-017

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted IDL
7429-90-5	ALUMINUM, TOTAL	73.2	I		P	1	300	19.00
7440-36-0	ANTIMONY, TOTAL	1.7	I		P	1	8.0	0.87
7440-38-2	ARSENIC, TOTAL	2.0	I		P	1	8.0	0.83
7440-39-3	BARIUM, TOTAL	93.2			P	1	5.0	0.45
7440-41-7	BERYLLIUM, TOTAL	0.12	U		P	1	5.0	0.12
7440-43-9	CADMIUM, TOTAL	0.10	U		P	1	10	0.10
7440-70-2	CALCIUM, TOTAL	48300			P	1	50	7.70
7440-47-3	CHROMIUM, TOTAL	9.1	I		P	1	15	0.28
7440-48-4	COBALT, TOTAL	6.7	I		P	1	30	0.26
7440-50-8	COPPER, TOTAL	1.2	I	J	P	1	25	0.22
7439-89-6	IRON, TOTAL	128			P	1	100	5.20
7439-92-1	LEAD, TOTAL	0.91	U		P	1	5.0	0.91
7439-95-4	MAGNESIUM, TOTAL	5520			P	1	50	4.90
7439-96-5	MANGANESE, TOTAL	1160			P	1	5.0	0.57
7439-97-6	MERCURY, TOTAL	0.01	U		CV	1	0.20	0.01
7440-02-0	NICKEL, TOTAL	9.6	I		P	1	40	0.41
7440-09-7	POTASSIUM, TOTAL	6270			P	1	1000	86.00
7782-49-2	SELENIUM, TOTAL	1.50	U		P	1	10	1.50
7440-22-4	SILVER, TOTAL	0.46	U		P	1	15	0.46
7440-23-5	SODIUM, TOTAL	12400			P	1	1000	13.00
7440-28-0	THALLIUM, TOTAL	1.4	I		P	1	15	0.71
7440-62-2	VANADIUM, TOTAL	0.57	I		P	1	25	0.29
7440-66-6	ZINC, TOTAL	6.8	I		P	1	25	0.23

Bottle ID: F

Comments:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services **Client Field ID:** OLFS4-MW45-0607

Matrix: WATER **SDG Name:** CTO29-1

Percent Solids: 0.00 **Lab Sample ID:** SA3013-013

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted IDL
7429-90-5	ALUMINUM, TOTAL	366			P	1	300	19.00
7440-36-0	ANTIMONY, TOTAL	1.3	I		P	1	8.0	0.87
7440-38-2	ARSENIC, TOTAL	2.2	I		P	1	8.0	0.83
7440-39-3	BARIUM, TOTAL	119			P	1	5.0	0.45
7440-41-7	BERYLLIUM, TOTAL	0.12	U		P	1	5.0	0.12
7440-43-9	CADMIUM, TOTAL	0.10	U		P	1	10	0.10
7440-70-2	CALCIUM, TOTAL	93400			P	1	50	7.70
7440-47-3	CHROMIUM, TOTAL	7.2	I		P	1	15	0.28
7440-48-4	COBALT, TOTAL	5.3	I		P	1	30	0.26
7440-50-8	COPPER, TOTAL	11.2	I	J	P	1	25	0.22
7439-89-6	IRON, TOTAL	624			P	1	100	5.20
7439-92-1	LEAD, TOTAL	0.92	I		P	1	5.0	0.91
7439-95-4	MAGNESIUM, TOTAL	8260			P	1	50	4.90
7439-96-5	MANGANESE, TOTAL	1190			P	1	5.0	0.57
7439-97-6	MERCURY, TOTAL	0.01	U		CV	1	0.20	0.01
7440-02-0	NICKEL, TOTAL	7.3	I		P	1	40	0.41
7440-09-7	POTASSIUM, TOTAL	11200			P	1	1000	86.00
7782-49-2	SELENIUM, TOTAL	2.3	I		P	1	10	1.50
7440-22-4	SILVER, TOTAL	0.46	U		P	1	15	0.46
7440-23-5	SODIUM, TOTAL	43500			P	1	1000	13.00
7440-28-0	THALLIUM, TOTAL	1.1	I		P	1	15	0.71
7440-62-2	VANADIUM, TOTAL	1.9	I		P	1	25	0.29
7440-66-6	ZINC, TOTAL	6.9	I		P	1	25	0.23

Bottle ID: D

Comments:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services **Client Field ID:** OLFS4-MW46-0607

Matrix: WATER **SDG Name:** CTO29-1

Percent Solids: 0.00 **Lab Sample ID:** SA3013-015

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted IDL
7429-90-5	ALUMINUM, TOTAL	494			P	1	300	19.00
7440-36-0	ANTIMONY, TOTAL	0.87	U		P	1	8.0	0.87
7440-38-2	ARSENIC, TOTAL	0.97	I		P	1	8.0	0.83
7440-39-3	BARIUM, TOTAL	96.0			P	1	5.0	0.45
7440-41-7	BERYLLIUM, TOTAL	0.12	U		P	1	5.0	0.12
7440-43-9	CADMIUM, TOTAL	0.10	U		P	1	10	0.10
7440-70-2	CALCIUM, TOTAL	90700			P	1	50	7.70
7440-47-3	CHROMIUM, TOTAL	330			P	1	15	0.28
7440-48-4	COBALT, TOTAL	9.3	I		P	1	30	0.26
7440-50-8	COPPER, TOTAL	15.9	I	J	P	1	25	0.22
7439-89-6	IRON, TOTAL	2080			P	1	100	5.20
7439-92-1	LEAD, TOTAL	1.6	I		P	1	5.0	0.91
7439-95-4	MAGNESIUM, TOTAL	8240			P	1	50	4.90
7439-96-5	MANGANESE, TOTAL	1120			P	1	5.0	0.57
7439-97-6	MERCURY, TOTAL	0.01	U		CV	1	0.20	0.01
7440-02-0	NICKEL, TOTAL	174			P	1	40	0.41
7440-09-7	POTASSIUM, TOTAL	26800			P	1	1000	86.00
7782-49-2	SELENIUM, TOTAL	1.7	I		P	1	10	1.50
7440-22-4	SILVER, TOTAL	0.46	U		P	1	15	0.46
7440-23-5	SODIUM, TOTAL	58700			P	1	1000	13.00
7440-28-0	THALLIUM, TOTAL	0.71	U		P	1	15	0.71
7440-62-2	VANADIUM, TOTAL	3.7	I		P	1	25	0.29
7440-66-6	ZINC, TOTAL	7.9	I		P	1	25	0.23

Bottle ID: D

Comments:

APPENDIX C
SUPPORT DOCUMENTATION

HOLDTIME

SDG CTO29-1

SORT	UNITS	NSAMPLE	LAB_ID	QC_TYPE	SAMP_DATE	EXTR_DATE	ANAL_DATE	SMP_EXTR	EXTR_ANL	SMP_ANL
HG	UG/L	OLFS4-MW43-0607	SA3013-021	NM	6/14/2007	6/20/2007	6/21/2007	6	1	7
HG	UG/L	OLFS4-MW37-0607	SA3013-003	NM	6/12/2007	6/20/2007	6/21/2007	8	1	9
HG	UG/L	OLFS4-MW46-0607	SA3013-015	NM	6/13/2007	6/20/2007	6/21/2007	7	1	8
HG	UG/L	OLFS4-MW44-0607	SA3013-017	NM	6/13/2007	6/20/2007	6/21/2007	7	1	8
HG	UG/L	OLFS4-MW42-0607	SA3013-019	NM	6/14/2007	6/20/2007	6/21/2007	6	1	7
HG	UG/L	OLFS4-MW41-0607	SA3013-011	NM	6/13/2007	6/20/2007	6/21/2007	7	1	8
HG	UG/L	OLFS4-MW40-0607	SA3013-001	NM	6/12/2007	6/20/2007	6/21/2007	8	1	9
HG	UG/L	OLFS4-MW39-0607	SA3013-007	NM	6/12/2007	6/20/2007	6/21/2007	8	1	9
HG	UG/L	OLFS4-MW38-0607	SA3013-009	NM	6/13/2007	6/22/2007	6/25/2007	9	3	12
HG	UG/L	OLFS4-MW37-0607-D	SA3013-005	NM	6/12/2007	6/20/2007	6/21/2007	8	1	9
HG	UG/L	OLFS4-MW45-0607	SA3013-013	NM	6/13/2007	6/20/2007	6/21/2007	7	1	8
M	UG/L	OLFS4-MW43-0607	SA3013-021	NM	6/14/2007	6/18/2007	6/26/2007	4	8	12
M	UG/L	OLFS4-MW41-0607	SA3013-011	NM	6/13/2007	6/18/2007	6/26/2007	5	8	13
M	UG/L	OLFS4-MW46-0607	SA3013-015	NM	6/13/2007	6/18/2007	6/26/2007	5	8	13
M	UG/L	OLFS4-MW44-0607	SA3013-017	NM	6/13/2007	6/18/2007	6/26/2007	5	8	13

SORT	UNITS	NSAMPLE	LAB_ID	QC_TYPE	SAMP_DATE	EXTR_DATE	ANAL_DATE	SMP_EXTR	EXTR_ANL	SMP_ANL
M	UG/L	OLFS4-MW42-0607	SA3013-019	NM	6/14/2007	6/18/2007	6/26/2007	4	8	12
M	UG/L	OLFS4-MW39-0607	SA3013-007	NM	6/12/2007	6/18/2007	6/26/2007	6	8	14
M	UG/L	OLFS4-MW37-0607	SA3013-003	NM	6/12/2007	6/18/2007	6/26/2007	6	8	14
M	UG/L	OLFS4-MW38-0607	SA3013-009	NM	6/13/2007	6/18/2007	6/26/2007	5	8	13
M	UG/L	OLFS4-MW37-0607-D	SA3013-005	NM	6/12/2007	6/18/2007	6/26/2007	6	8	14
M	UG/L	OLFS4-MW45-0607	SA3013-013	NM	6/13/2007	6/18/2007	6/26/2007	5	8	13
M	UG/L	OLFS4-MW40-0607	SA3013-001	NM	6/12/2007	6/18/2007	6/26/2007	6	8	14
OS	%	OLFS4-MW40-0607	SA3013-1	NM	6/12/2007	6/19/2007	6/26/2007	7	7	14
OS	%	OLFS4-MW45-0607	SA3013-13	NM	6/13/2007	6/19/2007	6/26/2007	6	7	13
OS	%	OLFS4-MW44-0607	SA3013-17	NM	6/13/2007	6/20/2007	6/25/2007	7	5	12
OS	%	OLFS4-MW43-0607	SA3013-21	NM	6/14/2007	6/20/2007	6/25/2007	6	5	11
OS	%	OLFS4-MW41-0607	SA3013-11	NM	6/13/2007	6/19/2007	6/26/2007	6	7	13
OS	%	OLFS4-MW39-0607	SA3013-7	NM	6/12/2007	6/19/2007	6/26/2007	7	7	14
OS	%	OLFS4-MW38-0607	SA3013-9	NM	6/13/2007	6/19/2007	6/26/2007	6	7	13
OS	%	OLFS4-MW37-0607-D	SA3013-5	NM	6/12/2007	6/19/2007	6/26/2007	7	7	14
OS	%	OLFS4-MW37-0607	SA3013-3	NM	6/12/2007	6/19/2007	6/26/2007	7	7	14
OS	%	OLFS4-MW46-0607	SA3013-15	NM	6/13/2007	6/19/2007	6/26/2007	6	7	13
OS	%	OLFS4-MW42-0607	SA3013-19	NM	6/14/2007	6/20/2007	6/25/2007	6	5	11

SORT	UNITS	NSAMPLE	LAB_ID	QC_TYPE	SAMP_DATE	EXTR_DATE	ANAL_DATE	SMP_EXTR	EXTR_ANL	SMP_ANL
OS	UG/L	OLFS4-MW42-0607	SA3013-19	NM	6/14/2007	6/20/2007	6/25/2007	6	5	11
OS	UG/L	OLFS4-MW46-0607	SA3013-15	NM	6/13/2007	6/19/2007	6/26/2007	6	7	13
OS	UG/L	OLFS4-MW45-0607	SA3013-13	NM	6/13/2007	6/19/2007	6/26/2007	6	7	13
OS	UG/L	OLFS4-MW44-0607	SA3013-17	NM	6/13/2007	6/20/2007	6/25/2007	7	5	12
OS	UG/L	OLFS4-MW43-0607	SA3013-21	NM	6/14/2007	6/20/2007	6/25/2007	6	5	11
OS	UG/L	OLFS4-MW40-0607	SA3013-1	NM	6/12/2007	6/19/2007	6/26/2007	7	7	14
OS	UG/L	OLFS4-MW39-0607	SA3013-7	NM	6/12/2007	6/19/2007	6/26/2007	7	7	14
OS	UG/L	OLFS4-MW38-0607	SA3013-9	NM	6/13/2007	6/19/2007	6/26/2007	6	7	13
OS	UG/L	OLFS4-MW37-0607-D	SA3013-5	NM	6/12/2007	6/19/2007	6/26/2007	7	7	14
OS	UG/L	OLFS4-MW37-0607	SA3013-3	NM	6/12/2007	6/19/2007	6/26/2007	7	7	14
OS	UG/L	OLFS4-MW41-0607	SA3013-11	NM	6/13/2007	6/19/2007	6/26/2007	6	7	13
OV	%	OLFS4-MW45-0607	SA3013-13	NM	6/13/2007	6/26/2007	6/26/2007	13	0	13
OV	%	OLFS4-MW42-0607	SA3013-19	NM	6/14/2007	6/26/2007	6/26/2007	12	0	12
OV	%	OLFS4-MW43-0607	SA3013-21	NM	6/14/2007	6/18/2007	6/21/2007	4	3	7
OV	%	OLFS4-MW43-0607	SA3013-21	NM	6/14/2007	6/26/2007	6/26/2007	12	0	12
OV	%	OLFS4-MW44-0607	SA3013-17	NM	6/13/2007	6/18/2007	6/21/2007	5	3	8
OV	%	OLFS4-MW42-0607	SA3013-19	NM	6/14/2007	6/18/2007	6/21/2007	4	3	7
OV	%	OLFS4-MW45-0607	SA3013-13	NM	6/13/2007	6/18/2007	6/21/2007	5	3	8

SORT	UNITS	NSAMPLE	LAB_ID	QC_TYPE	SAMP_DATE	EXTR_DATE	ANAL_DATE	SMP_EXTR	EXTR_ANL	SMP_ANL
OV	%	OLFS4-MW39-0607	SA3013-7	NM	6/12/2007	6/24/2007	6/24/2007	12	0	12
OV	%	OLFS4-MW46-0607	SA3013-15	NM	6/13/2007	6/18/2007	6/21/2007	5	3	8
OV	%	TRIP BLANK	SA3013-23	NM	6/14/2007	6/26/2007	6/26/2007	12	0	12
OV	%	OLFS4-MW44-0607	SA3013-17	NM	6/13/2007	6/26/2007	6/26/2007	13	0	13
OV	%	OLFS4-MW41-0607	SA3013-11	NM	6/13/2007	6/26/2007	6/26/2007	13	0	13
OV	%	OLFS4-MW41-0607	SA3013-11	NM	6/13/2007	6/18/2007	6/21/2007	5	3	8
OV	%	OLFS4-MW40-0607	SA3013-1	NM	6/12/2007	6/18/2007	6/21/2007	6	3	9
OV	%	OLFS4-MW39-0607	SA3013-7	NM	6/12/2007	6/18/2007	6/21/2007	6	3	9
OV	%	OLFS4-MW38-0607	SA3013-9	NM	6/13/2007	6/26/2007	6/26/2007	13	0	13
OV	%	OLFS4-MW38-0607	SA3013-9	NM	6/13/2007	6/18/2007	6/21/2007	5	3	8
OV	%	OLFS4-MW37-0607-D	SA3013-5	NM	6/12/2007	6/24/2007	6/24/2007	12	0	12
OV	%	OLFS4-MW37-0607-D	SA3013-5	NM	6/12/2007	6/18/2007	6/21/2007	6	3	9
OV	%	OLFS4-MW37-0607	SA3013-3	NM	6/12/2007	6/24/2007	6/24/2007	12	0	12
OV	%	OLFS4-MW37-0607	SA3013-3	NM	6/12/2007	6/18/2007	6/21/2007	6	3	9
OV	%	OLFS4-MW46-0607	SA3013-15	NM	6/13/2007	6/26/2007	6/26/2007	13	0	13
OV	%	OLFS4-MW40-0607	SA3013-1	NM	6/12/2007	6/24/2007	6/24/2007	12	0	12
OV	UG/L	OLFS4-MW42-0607	SA3013-19	NM	6/14/2007	6/26/2007	6/26/2007	12	0	12
OV	UG/L	OLFS4-MW37-0607	SA3013-3	NM	6/12/2007	6/18/2007	6/21/2007	6	3	9

SORT	UNITS	NSAMPLE	LAB_ID	QC_TYPE	SAMP_DATE	EXTR_DATE	ANAL_DATE	SMP_EXTR	EXTR_ANL	SMP_ANL
OV	UG/L	TRIP BLANK	SA3013-23	NM	6/14/2007	6/26/2007	6/26/2007	12	0	12
OV	UG/L	OLFS4-MW46-0607	SA3013-15	NM	6/13/2007	6/26/2007	6/26/2007	13	0	13
OV	UG/L	OLFS4-MW46-0607	SA3013-15	NM	6/13/2007	6/18/2007	6/21/2007	5	3	8
OV	UG/L	OLFS4-MW45-0607	SA3013-13	NM	6/13/2007	6/26/2007	6/26/2007	13	0	13
OV	UG/L	OLFS4-MW45-0607	SA3013-13	NM	6/13/2007	6/18/2007	6/21/2007	5	3	8
OV	UG/L	OLFS4-MW44-0607	SA3013-17	NM	6/13/2007	6/26/2007	6/26/2007	13	0	13
OV	UG/L	OLFS4-MW44-0607	SA3013-17	NM	6/13/2007	6/18/2007	6/21/2007	5	3	8
OV	UG/L	OLFS4-MW43-0607	SA3013-21	NM	6/14/2007	6/18/2007	6/21/2007	4	3	7
OV	UG/L	OLFS4-MW42-0607	SA3013-19	NM	6/14/2007	6/18/2007	6/21/2007	4	3	7
OV	UG/L	OLFS4-MW39-0607	SA3013-7	NM	6/12/2007	6/18/2007	6/21/2007	6	3	9
OV	UG/L	OLFS4-MW37-0607	SA3013-3	NM	6/12/2007	6/24/2007	6/24/2007	12	0	12
OV	UG/L	OLFS4-MW37-0607-D	SA3013-5	NM	6/12/2007	6/18/2007	6/21/2007	6	3	9
OV	UG/L	OLFS4-MW37-0607-D	SA3013-5	NM	6/12/2007	6/24/2007	6/24/2007	12	0	12
OV	UG/L	OLFS4-MW43-0607	SA3013-21	NM	6/14/2007	6/26/2007	6/26/2007	12	0	12
OV	UG/L	OLFS4-MW38-0607	SA3013-9	NM	6/13/2007	6/26/2007	6/26/2007	13	0	13
OV	UG/L	OLFS4-MW41-0607	SA3013-11	NM	6/13/2007	6/26/2007	6/26/2007	13	0	13
OV	UG/L	OLFS4-MW39-0607	SA3013-7	NM	6/12/2007	6/24/2007	6/24/2007	12	0	12
OV	UG/L	OLFS4-MW40-0607	SA3013-1	NM	6/12/2007	6/18/2007	6/21/2007	6	3	9

SORT	UNITS	NSAMPLE	LAB_ID	QC_TYPE	SAMP_DATE	EXTR_DATE	ANAL_DATE	SMP_EXTR	EXTR_ANL	SMP_ANL
OV	UG/L	OLFS4-MW40-0607	SA3013-1	NM	6/12/2007	6/24/2007	6/24/2007	12	0	12
OV	UG/L	OLFS4-MW41-0607	SA3013-11	NM	6/13/2007	6/18/2007	6/21/2007	5	3	8
OV	UG/L	OLFS4-MW38-0607	SA3013-9	NM	6/13/2007	6/18/2007	6/21/2007	5	3	8
PCB	%	OLFS4-MW42-0607	SA3013-19	NM	6/14/2007	6/18/2007	6/29/2007	4	11	15
PCB	%	OLFS4-MW45-0607	SA3013-13	NM	6/13/2007	6/18/2007	6/29/2007	5	11	16
PCB	%	OLFS4-MW46-0607	SA3013-15	NM	6/13/2007	6/18/2007	6/29/2007	5	11	16
PCB	%	OLFS4-MW44-0607	SA3013-17	NM	6/13/2007	6/18/2007	6/29/2007	5	11	16
PCB	%	OLFS4-MW43-0607	SA3013-21	NM	6/14/2007	6/18/2007	6/29/2007	4	11	15
PCB	%	OLFS4-MW40-0607	SA3013-1	NM	6/12/2007	6/18/2007	6/28/2007	6	10	16
PCB	%	OLFS4-MW39-0607	SA3013-7	NM	6/12/2007	6/18/2007	6/28/2007	6	10	16
PCB	%	OLFS4-MW38-0607	SA3013-9	NM	6/13/2007	6/18/2007	6/29/2007	5	11	16
PCB	%	OLFS4-MW37-0607-D	SA3013-5	NM	6/12/2007	6/18/2007	6/28/2007	6	10	16
PCB	%	OLFS4-MW37-0607	SA3013-3	NM	6/12/2007	6/18/2007	6/28/2007	6	10	16
PCB	%	OLFS4-MW41-0607	SA3013-11	NM	6/13/2007	6/18/2007	6/29/2007	5	11	16
PCB	UG/L	OLFS4-MW40-0607	SA3013-1	NM	6/12/2007	6/18/2007	6/28/2007	6	10	16
PCB	UG/L	OLFS4-MW37-0607	SA3013-3	NM	6/12/2007	6/18/2007	6/28/2007	6	10	16
PCB	UG/L	OLFS4-MW46-0607	SA3013-15	NM	6/13/2007	6/18/2007	6/29/2007	5	11	16
PCB	UG/L	OLFS4-MW45-0607	SA3013-13	NM	6/13/2007	6/18/2007	6/29/2007	5	11	16

SORT	UNITS	NSAMPLE	LAB_ID	QC_TYPE	SAMP_DATE	EXTR_DATE	ANAL_DATE	SMP_EXTR	EXTR_ANL	SMP_ANL
PCB	UG/L	OLFS4-MW44-0607	SA3013-17	NM	6/13/2007	6/18/2007	6/29/2007	5	11	16
PCB	UG/L	OLFS4-MW43-0607	SA3013-21	NM	6/14/2007	6/18/2007	6/29/2007	4	11	15
PCB	UG/L	OLFS4-MW41-0607	SA3013-11	NM	6/13/2007	6/18/2007	6/29/2007	5	11	16
PCB	UG/L	OLFS4-MW39-0607	SA3013-7	NM	6/12/2007	6/18/2007	6/28/2007	6	10	16
PCB	UG/L	OLFS4-MW38-0607	SA3013-9	NM	6/13/2007	6/18/2007	6/29/2007	5	11	16
PCB	UG/L	OLFS4-MW37-0607-D	SA3013-5	NM	6/12/2007	6/18/2007	6/28/2007	6	10	16
PCB	UG/L	OLFS4-MW42-0607	SA3013-19	NM	6/14/2007	6/18/2007	6/29/2007	4	11	15
TPH	%	OLFS4-MW42-0607RA2	SA3013-19RA2	NM	6/14/2007	6/18/2007	7/5/2007	4	17	21
TPH	%	OLFS4-MW37-0607-D	SA3013-5	NM	6/12/2007	6/18/2007	6/28/2007	6	10	16
TPH	%	OLFS4-MW45-0607RA2	SA3013-13RA2	NM	6/13/2007	6/18/2007	7/5/2007	5	17	22
TPH	%	OLFS4-MW44-0607RA2	SA3013-17RA2	NM	6/13/2007	6/18/2007	7/5/2007	5	17	22
TPH	%	OLFS4-MW46-0607RA2	SA3013-15RA2	NM	6/13/2007	6/18/2007	7/5/2007	5	17	22
TPH	%	OLFS4-MW43-0607RA	SA3013-21RA	NM	6/14/2007	6/18/2007	7/5/2007	4	17	21
TPH	%	OLFS4-MW40-0607	SA3013-1	NM	6/12/2007	6/18/2007	6/28/2007	6	10	16
TPH	%	OLFS4-MW38-0607	SA3013-9	NM	6/13/2007	6/18/2007	6/28/2007	5	10	15
TPH	%	OLFS4-MW37-0607	SA3013-3	NM	6/12/2007	6/18/2007	6/28/2007	6	10	16
TPH	%	OLFS4-MW41-0607	SA3013-11	NM	6/13/2007	6/18/2007	6/28/2007	5	10	15
TPH	%	OLFS4-MW39-0607	SA3013-7	NM	6/12/2007	6/18/2007	6/28/2007	6	10	16

SORT	UNITS	NSAMPLE	LAB_ID	QC_TYPE	SAMP_DATE	EXTR_DATE	ANAL_DATE	SMP_EXTR	EXTR_ANL	SMP_ANL
TPH	UG/L	OLFS4-MW38-0607	SA3013-9	NM	6/13/2007	6/18/2007	6/28/2007	5	10	15
TPH	UG/L	OLFS4-MW45-0607RA2	SA3013-13RA2	NM	6/13/2007	6/18/2007	7/5/2007	5	17	22
TPH	UG/L	OLFS4-MW44-0607RA2	SA3013-17RA2	NM	6/13/2007	6/18/2007	7/5/2007	5	17	22
TPH	UG/L	OLFS4-MW43-0607RA	SA3013-21RA	NM	6/14/2007	6/18/2007	7/5/2007	4	17	21
TPH	UG/L	OLFS4-MW42-0607RA2	SA3013-19RA2	NM	6/14/2007	6/18/2007	7/5/2007	4	17	21
TPH	UG/L	OLFS4-MW41-0607	SA3013-11	NM	6/13/2007	6/18/2007	6/28/2007	5	10	15
TPH	UG/L	OLFS4-MW39-0607	SA3013-7	NM	6/12/2007	6/18/2007	6/28/2007	6	10	16
TPH	UG/L	OLFS4-MW37-0607-D	SA3013-5	NM	6/12/2007	6/18/2007	6/28/2007	6	10	16
TPH	UG/L	OLFS4-MW37-0607	SA3013-3	NM	6/12/2007	6/18/2007	6/28/2007	6	10	16
TPH	UG/L	OLFS4-MW46-0607RA2	SA3013-15RA2	NM	6/13/2007	6/18/2007	7/5/2007	5	17	22
TPH	UG/L	OLFS4-MW40-0607	SA3013-1	NM	6/12/2007	6/18/2007	6/28/2007	6	10	16

Katahdin ANALYTICAL SERVICES
600 Technology Way
Scarborough, ME 04074
Tel: (207) 874-2400
Fax: (207) 775-4029

CHAIN of CUSTODY

PLEASE BEAR DOWN AND PRINT LEGIBLY IN PEN

Page ____ of ____

Client	Contact	Phone #	Fax #
Tetra-Tech NUS	Curtis Odom	(850) 570-1818	(850) 385-986

Address 3360 Capital Circle NE ste B City Tallahassee State FL Zip Code 32308

Purchase Order # Proj. Name / No site 4/112600389 Katahdin Quote #

Bill (if different than above) CTO 29 Address

Sampler (Print / Sign) Curtis Odom / Curtis Odom Copies To:

LAB USE ONLY WORK ORDER #: SA2013

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 VOA HCl	Filt. ☐Y ☒N EDB Sodium Thiosulfate	Filt. ☐Y ☒N PAHs	Filt. ☐Y ☒N PCBs	Filt. ☐Y ☒N TRPH HCl	Filt. ☐Y ☒N SVOA	Filt. ☐Y ☒N Metals HNO3	Filt. ☐Y ☒N	Filt. ☐Y ☒N	Filt. ☐Y ☒N
	OLFS4-MW40-0607 ✓	6-12-07 / 1100	GW	14	3	2	2	2	2	2	1			
	OLFS4-MW40-0607-MS	6-12-07 / 1100	GW	14	3	2	2	2	2	2	1			
	OLFS4-MW40-0607-MSD	6-12-07 / 1100	GW	14	3	2	2	2	2	2	1			
	OLFS4-MW37-0607 ✓	6-12-07 / 1600	GW	14	3	2	2	2	2	2	1			
	OLFS4-MW37-0607-D ✓	6-12-07 / 1600	GW	14	3	2	2	2	2	2	1			
	OLFS4-MW39-0607 ✓	6-12-07 / 1635	GW	14	3	2	2	2	2	2	1			
	OLFS4-MW38-0607 ✓	6-13-07 / 1000	GW	14	3	2	2	2	2	2	1			
	OLFS4-MW48-0607 ✓	6-13-07 / 1055	GW	14	3	2	2	2	2	2	1			
	OLFS4-MW45-0607 ✓	6-13-07 / 1445	GW	14	3	2	2	2	2	2	1			
	OLFS4-MW46-0607 ✓	6-13-07 / 1430	GW	14	3	2	2	2	2	2	1			
	OLFS4-MW44-0607 ✓	6-13-07 / 1720	GW	14	3	2	2	2	2	2	1			
	OLFS4-MW42-0607 ✓	6-14-07 / 1025	GW	14	3	2	2	2	2	2	1			
	OLFS4-MW43-0607 ✓	6-14-07 / 1030	GW	14	3	2	2	2	2	2	1			
	trip blank	/	W	2	2									
		/												
		/												

OMMENTS

Relinquished By: (Signature)	Date / Time	Received By: (Signature)	Relinquished By: (Signature)	Date / Time	Received By: (Signature)
Curtis Odom	6-14-07 1300	06/15/07 1010			
Relinquished By: (Signature)	Date / Time	Received By: (Signature)	Relinquished By: (Signature)	Date / Time	Received By: (Signature)
					000019

THE TERMS AND CONDITIONS ON THE REVERSE SIDE HEREOF SHALL GOVERN

ORIGINAL

Katahdin Analytical Services, Inc. Sample Receipt Condition Report

Client: Tetra Tech	KAS PM: AJC	Sampled By: Client
Project:	KIMS Entry By: DS	Delivered By: FEDEX
KAS Work Order#: SA3013	KIMS Review By: AJC	Received By: DS
SDG #:	Cooler: 1 of 9	Date/Time Rec.: 061507 1010

Receipt Criteria	Y	N	EX*	NA	Comments and/or Resolution
1. Custody seals present / intact?	X				
2. Chain of Custody present in cooler?	X				
3. Chain of Custody signed by client?	X				
4. Chain of Custody matches samples?	X *				
5. Temperature Blanks present?	X				Temp (°C): 1.5
6. Samples received at < 6 °C w/o freezing? (Ice) or ice packs present? (Y) or N	X				Cooler temp. (°C): (if no temp blank)
7. Volatiles free of headspace?	X				
Aqueous: No bubble larger than a pea					
Soil/Sediment:					
Received in airtight container?				X	
Received in methanol?				X	
Methanol covering soil?				X	
8. Trip Blank present in cooler?	X				
9. Proper sample containers and volume?	X				
10. Samples within hold time upon receipt?	X				
11. Aqueous samples properly preserved?	X				
Metals, COD, NH3, TKN, O/G, phenol, TPO4, N+N, TOC, DRO, TPH – pH <2					
Sulfide - >9				X	
Cyanide – pH >12				X	
12. Corrective Action Report Filed?				✓	

* Log-In Notes to Exceptions: document any problems with samples or discrepancies or pH adjustments

* did not receive any vials for EDB for sample OLF54-MW38-06007

* received 5 broken VOA vials for OLF54-MW40-06007.

00000009

Katahdin Analytical Services, Inc. Sample Receipt Condition Report

Client: Tetra Tech	KAS PM: AJC	Sampled By: Client
Project:	KIMS Entry By: DD	Delivered By: FEDEX
KAS Work Order#: SA3013	KIMS Review By: AJC	Received By: DD
SDG #:	Cooler: 2 of 9	Date/Time Rec.: 061507 1010

Receipt Criteria	Y	N	EX*	NA	Comments and/or Resolution
1. Custody seals present / intact?	X				
2. Chain of Custody present in cooler?		X			COC in cooler 1 of 9
3. Chain of Custody signed by client?	X				
4. Chain of Custody matches samples?	X				
5. Temperature Blanks present?	X				Temp (°C): 0.4
6. Samples received at < 6 °C w/o freezing? (Ice) or ice packs present? (Y) or N	X				Cooler temp. (°C): (if no temp blank)
7. Volatiles free of headspace?	X				
Aqueous: No bubble larger than a pea					
Soil/Sediment:					
Received in airtight container?				X	
Received in methanol?				X	
Methanol covering soil?				X	
8. Trip Blank present in cooler?	X				
9. Proper sample containers and volume?	X				
10. Samples within hold time upon receipt?	X				
11. Aqueous samples properly preserved?					
Metals, COD, NH3, TKN, O/G, phenol, TPO4, N+N, TOC, DRO, TPH – pH <2	X				
Sulfide - >9				X	
Cyanide – pH >12				X	
12. Corrective Action Report Filed?				✓	

* Log-In Notes to Exceptions: document any problems with samples or discrepancies or pH adjustments

Client: Tetra Tech	KAS PM: ADC	Sampled By: Client
Project:	KIMS Entry By: DS	Delivered By: FEDEX
KAS Work Order#: SA3013	KIMS Review By: ADC	Received By: DS
SDG #:	Cooler: 3 of 9	Date/Time Rec.: 06/15/11 1010

Receipt Criteria	Y	N	EX*	NA	Comments and/or Resolution
1. Custody seals present / intact?	X				
2. Chain of Custody present in cooler?		X			COC in cooler 1 of 9
3. Chain of Custody signed by client?	X				
4. Chain of Custody matches samples?	X				
5. Temperature Blanks present?	X				Temp (°C): 0.4
6. Samples received at < 6 °C w/o freezing? (Ice) or ice packs present? (Y) or N	X				Cooler temp. (°C): (if no temp blank)
7. Volatiles free of headspace?	X				
Aqueous: No bubble larger than a pea **Soil/Sediment:** Received in airtight container?				X	
Received in methanol?				X	
Methanol covering soil?				X	
8. Trip Blank present in cooler?	X				
9. Proper sample containers and volume?	X				
10. Samples within hold time upon receipt?	X				
11. Aqueous samples properly preserved? Metals, COD, NH3, TKN, O/G, phenol,	X				
TPO4, N+N, TOC, DRO, TPH – pH <2 Sulfide - >9				X	
Cyanide – pH >12				X	
12. Corrective Action Report Filed?				✓	

* Log-In Notes to Exceptions: document any problems with samples or discrepancies or pH adjustments

Client: Tetra Tech	KAS PM: AJC	Sampled By: Client
Project:	KIMS Entry By: DS	Delivered By: FEDEX
KAS Work Order#: SA3013	KIMS Review By: RL	Received By: DS
SDG #:	Cooler: 4 of 9	Date/Time Rec.: 061507 1010

Receipt Criteria	Y	N	EX*	NA	Comments and/or Resolution
1. Custody seals present / intact?	X				
2. Chain of Custody present in cooler?		X			COC in cooler 1 of 9
3. Chain of Custody signed by client?	X				
4. Chain of Custody matches samples?	X				
5. Temperature Blanks present?	X				Temp (°C): 1.1
6. Samples received at < 6 °C w/o freezing? (Ice) or ice packs present? (Y) or N	X				Cooler temp. (°C): (if no temp blank)
7. Volatiles free of headspace? **Aqueous:** No bubble larger than a pea	X				
Soil/Sediment: Received in airtight container?				X	
Received in methanol?				X	
Methanol covering soil?				X	
8. Trip Blank present in cooler?	X				
9. Proper sample containers and volume?	X				
10. Samples within hold time upon receipt?	X				
11. Aqueous samples properly preserved? Metals, COD, NH3, TKN, O/G, phenol, TPO4, N+N, TOC, DRO, TPH – pH <2	X				
Sulfide - >9				X	
Cyanide – pH >12				X	
12. Corrective Action Report Filed?				✓	

* Log-In Notes to Exceptions: document any problems with samples or discrepancies or pH adjustments

Kalamazoo Analytical Services, Inc. — Sample Receipt Condition Report

Client: Tetra Tech	KAS PM: AJC	Sampled By: Client
Project:	KIMS Entry By: DS	Delivered By: FEDEX
KAS Work Order#: SA3013	KIMS Review By: [illegible]	Received By: DS
SDG #:	Cooler: 5 of 9	Date/Time Rec.: 061507 1010

Receipt Criteria	Y	N	EX*	NA	Comments and/or Resolution
1. Custody seals present / intact?	X				
2. Chain of Custody present in cooler?		X			COC in cooler 1 of 9
3. Chain of Custody signed by client?	X				
4. Chain of Custody matches samples?	X				
5. Temperature Blanks present?	X				Temp (°C): 0.2
6. Samples received at < 6 °C w/o freezing? (Ice) or ice packs present? (Y) or N	X				Cooler temp. (°C): (if no temp blank)
7. Volatiles free of headspace? **Aqueous:** No bubble larger than a pea	X				
Soil/Sediment: Received in airtight container?				X	
Received in methanol?				X	
Methanol covering soil?				X	
8. Trip Blank present in cooler?	X				
9. Proper sample containers and volume?	X				
10. Samples within hold time upon receipt?	X				
11. Aqueous samples properly preserved? Metals, COD, NH3, TKN, O/G, phenol, TPO4, N+N, TOC, DRO, TPH – pH <2	X				
Sulfide - >9				X	
Cyanide – pH >12				X	
12. Corrective Action Report Filed?				✓	

* Log-In Notes to Exceptions: document any problems with samples or discrepancies or pH adjustments

0000013

Client: Tetra Tech	KAS PM: AJC	Sampled By: Client
Project:	KIMS Entry By: DD	Delivered By: FEDEX
KAS Work Order#: SA3013	KIMS Review By: AC	Received By: DD
SDG #:	Cooler: 6 of 9	Date/Time Rec.: 06/15/07 1010

Receipt Criteria	Y	N	EX*	NA	Comments and/or Resolution
1. Custody seals present / intact?	X				
2. Chain of Custody present in cooler?		X			COC in cooler 1 of 9
3. Chain of Custody signed by client?	X				
4. Chain of Custody matches samples?	X				
5. Temperature Blanks present?	X				Temp (°C): 0.3
6. Samples received at < 6 °C w/o freezing? Ice or ice packs present? (Y) or N	X				Cooler temp. (°C): (if no temp blank)
7. Volatiles free of headspace?	X				
Aqueous: No bubble larger than a pea					
Soil/Sediment:					
Received in airtight container?				X	
Received in methanol?				X	
Methanol covering soil?				X	
8. Trip Blank present in cooler?	X				
9. Proper sample containers and volume?	X				
10. Samples within hold time upon receipt?	X				
11. Aqueous samples properly preserved?	X				
Metals, COD, NH3, TKN, O/G, phenol, TPO4, N+N, TOC, DRO, TPH – pH <2				X	
Sulfide - >9				X	
Cyanide – pH >12					
12. Corrective Action Report Filed?				✓	

* Log-In Notes to Exceptions: document any problems with samples or discrepancies or pH adjustments

Client: Tetra Tech	KAS PM: AJC	Sampled By: Client
Project:	KIMS Entry By: DD	Delivered By: FEDEX
KAS Work Order#: 543013	KIMS Review By: [illegible]	Received By: DD
SDG #:	Cooler: 7 of 9	Date/Time Rec.: 06/15/07 1010

Receipt Criteria	Y	N	EX*	NA	Comments and/or Resolution
1. Custody seals present / intact?	X				
2. Chain of Custody present in cooler?		X			COC in cooler 1 of 9
3. Chain of Custody signed by client?	X				
4. Chain of Custody matches samples?	X				
5. Temperature Blanks present?	X				Temp (°C): 0.2
6. Samples received at < 6 °C w/o freezing? (ce)or ice packs present? (Y) or N	X				Cooler temp. (°C): (if no temp blank)
7. Volatiles free of headspace?	X				
Aqueous: No bubble larger than a pea					
Soil/Sediment:					
Received in airtight container?				X	
Received in methanol?				X	
Methanol covering soil?				X	
8. Trip Blank present in cooler?	X				
9. Proper sample containers and volume?	X				
10. Samples within hold time upon receipt?	X				
11. Aqueous samples properly preserved?					
Metals, COD, NH3, TKN, O/G, phenol,	X				
TPO4, N+N, TOC, DRO, TPH – pH <2					
Sulfide - >9				X	
Cyanide – pH >12				X	
12. Corrective Action Report Filed?				✓	

* Log-In Notes to Exceptions: document any problems with samples or discrepancies or pH adjustments

Client: Tetra Tech	KAS PM: AJC	Sampled By: Client
Project:	KIMS Entry By: DS	Delivered By: FEDEX
KAS Work Order#: SA3013	KIMS Review By: RC	Received By: DS
SDG #:	Cooler: 8 of 9	Date/Time Rec.: 06/15/07 1010

Receipt Criteria	Y	N	EX*	NA	Comments and/or Resolution
1. Custody seals present / intact?		X			
2. Chain of Custody present in cooler?	X	X			COC was in cooler 1 of 9
3. Chain of Custody signed by client?	X				
4. Chain of Custody matches samples?	X				
5. Temperature Blanks present?	X				Temp (°C): 0.2
6. Samples received at < 6 °C w/o freezing? Ice or ice packs present? (Y) or N	X				Cooler temp. (°C): (if no temp blank)
7. Volatiles free of headspace?	X				
Aqueous: No bubble larger than a pea					
Soil/Sediment:					
Received in airtight container?				X	
Received in methanol?				X	
Methanol covering soil?				X	
8. Trip Blank present in cooler?	X				
9. Proper sample containers and volume?	X				
10. Samples within hold time upon receipt?	X				
11. Aqueous samples properly preserved?	X				
Metals, COD, NH3, TKN, O/G, phenol, TPO4, N+N, TOC, DRO, TPH – pH <2				X	
Sulfide - >9				X	
Cyanide – pH >12					
12. Corrective Action Report Filed?				✓	

* Log-In Notes to Exceptions: document any problems with samples or discrepancies or pH adjustments

Client: Tetra Tech	KAS PM: AJC	Sampled By: Client
Project:	KIMS Entry By: DS	Delivered By: FEDEX
KAS Work Order#: SA3013	KIMS Review By: AJC	Received By: DS
SDG #:	Cooler: 9 of 9	Date/Time Rec.: 6/25/13 1010

Receipt Criteria	Y	N	EX*	NA	Comments and/or Resolution
1. Custody seals present / intact?		X			
2. Chain of Custody present in cooler?		X			COC was in cooler 1 of 9
3. Chain of Custody signed by client?	X				
4. Chain of Custody matches samples?	X				
5. Temperature Blanks present?	X				Temp (°C): 0.1
6. Samples received at < 6 °C w/o freezing? Ice or ice packs present? (Y) or N	X				Cooler temp. (°C): (if no temp blank)
7. Volatiles free of headspace?	X				
Aqueous: No bubble larger than a pea					
Soil/Sediment:					
Received in airtight container?				X	
Received in methanol?				X	
Methanol covering soil?				X	
8. Trip Blank present in cooler?	X				
9. Proper sample containers and volume?	X				
10. Samples within hold time upon receipt?	X				
11. Aqueous samples properly preserved? Metals, COD, NH3, TKN, O/G, phenol, TPO4, N+N, TOC, DRO, TPH – pH <2	X				
Sulfide - >9				X	
Cyanide – pH >12				X	
12. Corrective Action Report Filed?				✓	

* Log-In Notes to Exceptions: document any problems with samples or discrepancies or pH adjustments

Katahdin Analytical Services, Inc. **Sample Receipt Condition Report**

Client: Tetra Tech	KAS PM: ASC	Sampled By: Client
Project:	KIMS Entry By: DS	Delivered By: Fedex
KAS Work Order#: SA3013	KIMS Review By:	Received By: DGile
SDG #:	Cooler: 10 of 10	Date/Time Rec.: 6/16/07 1000

Receipt Criteria	Y	N	EX*	NA	Comments and/or Resolution
1. Custody seals present / intact?	✓				
2. Chain of Custody present in cooler?		✓			
3. Chain of Custody signed by client?				✓	
4. Chain of Custody matches samples?				✓	
5. Temperature Blanks present?	✓				Temp (°C): 9.1 DC notified Kelly Carpenter 6/18/07.
6. Samples received at < 6 °C w/o freezing? Ice or ice packs present? (Y) or N *		✓			Cooler temp. (°C): (if no temp blank) will use for MS/MSD.
7. Volatiles free of headspace? **Aqueous:** No bubble larger than a pea				X	
Soil/Sediment: Received in airtight container?				X	
Received in methanol?				X	
Methanol covering soil?				X	
8. Trip Blank present in cooler?				X	
9. Proper sample containers and volume?	X				
10. Samples within hold time upon receipt?	X				
11. Aqueous samples properly preserved? Metals, COD, NH3, TKN, O/G, phenol, TPO4, N+N, TOC, DRO, TPH – pH <2	X				
Sulfide - >9				X	
Cyanide – pH >12				X	
12. Corrective Action Report Filed?				✓	

* Log-In Notes to Exceptions: document any problems with samples or discrepancies or pH adjustments

* Ice had melted

One bottle for sample OLFSY-MW40-0607 for PAH was received broken

Extra bottle for MS/MSD.

0000018

SDG NARRATIVE
KATAHDIN ANALYTICAL SERVICES
TETRA TECH NUS
CASE CTO 056 NAS PENSACOLA
SDG: CTO29-1
SA3013

Sample Receipt

The following samples were received on June 15, 2007 and were logged in under Katahdin Analytical Services work order number SA3013 for a hardcopy due date of July 11, 2007.

KATAHDIN Sample No.	TTNUS Sample Identification
SA3013-1	OLFS4-MW40-0607
SA3013-3	OLFS4-MW37-0607
SA3013-5	OLFS4-MW37-0607-D
SA3013-7	OLFS4-MW39-0607
SA3013-9	OLFS4-MW38-0607
SA3013-11	OLFS4-MW41-0607
SA3013-13	OLFS4-MW45-0607
SA3013-15	OLFS4-MW46-0607
SA3013-17	OLFS4-MW44-0607
SA3013-19	OLFS4-MW42-0607
SA3013-21	OLFS4-MW43-0607
SA3013-23	TRIP BLANK

The samples were logged in for the analyses specified on the chain of custody form. All problems encountered and resolved during sample receipt have been documented on the applicable chain of custody forms.

We certify that the test results provided in this report meet all the requirements of the NELAC standards unless otherwise noted in this narrative or in the Report of Analysis.

Sample analyses have been performed by the methods as noted herein.

Should you have any questions or comments concerning this Report of Analysis, please do not hesitate to contact your Katahdin Analytical Services Project Manager, **Andrea J. Colby**. This narrative is an integral part of the Report of Analysis.

Organics Analysis

The samples of SDG CTO29-1 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, III, IIIA, and IIIB 1996, 1998 & 2004, Office of Solid Waste and Emergency Response, U.S. EPA, and/or for the specific methods listed below or on the Report of Analysis. Sample SA3013-1 was used for the Matrix Spike (MS) and Matrix Spike Duplicate (MSD)

The CV (file 7AF083) had a high response for the surrogate TCMX on channel A, which resulted in a %D that was outside of the method acceptance limits of 15%. Since the response was acceptable on channel B, the associated samples were not reanalyzed.

8015 FL-PRO Analysis

Sample SA3013-17 had a high recovery for the surrogate o-terphenyl, which was outside of the laboratory method acceptance limits. Since the recovery for the second surrogate n-triacontane-D63 was acceptable, the sample was not reextracted.

The matrix spike sample (MS) WG40172-3 and matrix spike duplicate (MSD) WG40172-4 had high recoveries for PRO that were outside of the method acceptance limits. Since the LCS WG40172-2 had acceptable spike recovery, the MS and MSD were not reextracted.

The closing calibration verification standard (CV) (file CAF2178) had low responses for the C_{38} and C_{40} hydrocarbons, which were greater than 25%. Since the method requirement applies to only the PRO range response, which was acceptable, the associated samples were not reanalyzed.

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

Metals Analysis

The samples of SDG CTO29-1 were prepared and analyzed for metals in accordance with the "Test Methods for Evaluating Solid Wastes: Physical/Chemical Methods." SW-846. 2nd edition, 1982 (revised 1984), 3rd edition, 1986, and Updates I, II, IIA, III, IIIA and IIIB 1996, 1998 & 2004, Office of Solid Waste and Emergency Response, U.S. EPA.

Inductively-Coupled Plasma Atomic Emission Spectroscopic Analysis (ICP)

Aqueous-matrix Katahdin Sample Nos. SA3013-(1, 3, 5, 7, 9, 11, 13, 15, 17, 19, and 21) were digested for ICP analysis on 06/18/07 (QC Batches XF18ICW2 and XF18ICW3) in accordance with USEPA Method 3010A. Katahdin Sample Nos. SA3013-(1 and 21) were prepared with duplicate matrix-spiked aliquots.

ICP analyses of SDG CTO29-1 sample digestates were performed using a Thermo iCAP 6500 ICP spectrometer. All samples were analyzed within holding times and all analytical run QC criteria were met.

Analysis of Mercury by Cold Vapor Atomic Absorption (CVAA)

Aqueous-matrix Katahdin Sample Nos. SA3013-(1, 3, 5, 7, 11, 13, 15, 17, 19, and 21) was digested for mercury analysis on 06/20/07 (QC Batch XF20HGW0) in accordance with USEPA Method 7470. Katahdin Sample No. SA3013-1 were prepared with duplicate matrix-spiked aliquots.

Aqueous-matrix Katahdin Sample No. SA3013-9 was digested for mercury analysis on 06/22/07 (QC Batch XF22HGW0) in accordance with USEPA Method 7470.

Mercury analyses of SDG CTO29-1 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 recovery of aluminum in the matrix spiked aliquots of Katahdin Sample Nos. SA3013-(1 and 21) exceeds 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 Nos. SA3013-(1 and 21) are within the laboratory's acceptance limit (<20% relative difference between duplicate matrix-spiked aliquots) for all analytes.

The serial dilution analyses of Katahdin Sample Nos. SA3013-(1 and 21) exceed 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. Please note that the concentration of copper on these two samples is below the laboratory's practical quantitation limit.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package has been authorized by the Operations Manager or the Quality Assurance Officer as verified by the following signature.

Leslie Dimond
7-11-07

Leslie Dimond
Quality Assurance Officer

COVER PAGE - INORGANIC ANALYSES DATA PACKAGE

Lab Name: Katahdin Analytical Services

SDG Name: CTO29-1 **SOW No.** SW846

Client Field ID	Lab Sample ID
OLFS4-MW37-0607	SA3013-003
OLFS4-MW37-0607-D	SA3013-005
OLFS4-MW38-0607	SA3013-009
OLFS4-MW39-0607	SA3013-007
OLFS4-MW40-0607	SA3013-001
OLFS4-MW40-0607	SA3013-001P
OLFS4-MW40-0607	SA3013-001S
OLFS4-MW41-0607	SA3013-011
OLFS4-MW42-0607	SA3013-019
OLFS4-MW43-0607	SA3013-021
OLFS4-MW43-0607	SA3013-021P
OLFS4-MW43-0607	SA3013-021S
OLFS4-MW44-0607	SA3013-017
OLFS4-MW45-0607	SA3013-013
OLFS4-MW46-0607	SA3013-015

Were ICP interelement corrections applied ?	Yes
Were ICP background corrections applied ?	Yes
If yes - were raw data generated before application of background corrections ?	No

Comments:

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

Signature: Edward A Morgan Name: Edward A. Morgan

Date: July 9, 2007 Title: Senior Chemist

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Katahdin Analytical Services **SDG Name:** CTO29-1

Concentration Units: ug/L

SAMPLE: ICV

File: IXF26A Jun 26, 2007 12:20

Analyte	True	Found	%R (1)
ALUMINUM	10000.0	10290.00	102.9
ANTIMONY	400.0	404.70	101.2
ARSENIC	400.0	394.40	98.6
BARIUM	400.0	403.60	100.9
BERYLLIUM	400.0	396.30	99.1
CADMIUM	400.0	401.10	100.3
CALCIUM	10000.0	10010.00	100.1
CHROMIUM	400.0	399.70	99.9
COBALT	400.0	406.90	101.7
COPPER	400.0	399.50	99.9
IRON	10000.0	10020.00	100.2
LEAD	400.0	405.10	101.3
MAGNESIUM	10000.0	10220.00	102.2
MANGANESE	400.0	398.40	99.6
NICKEL	400.0	405.40	101.3
POTASSIUM	13600.0	13460.00	99.0
SELENIUM	400.0	397.20	99.3
SILVER	400.0	399.30	99.8
SODIUM	10000.0	10060.00	100.6
THALLIUM	400.0	409.90	102.5
VANADIUM	400.0	398.00	99.5
ZINC	400.0	403.10	100.8

SAMPLE: CCV 1

File: IXF26A Jun 26, 2007 12:43

Analyte	True	Found	%R (1)
ALUMINUM	12500.0	12310.00	98.5
ANTIMONY	500.0	495.10	99.0
ARSENIC	500.0	488.10	97.6
BARIUM	500.0	495.40	99.1
BERYLLIUM	500.0	493.90	98.8
CADMIUM	500.0	497.00	99.4
CALCIUM	12500.0	12350.00	98.8
CHROMIUM	500.0	494.00	98.8
COBALT	500.0	505.70	101.1
COPPER	500.0	493.90	98.8
IRON	12500.0	12410.00	99.3
LEAD	500.0	503.90	100.8
MAGNESIUM	12500.0	12700.00	101.6
MANGANESE	500.0	491.30	98.3
NICKEL	500.0	500.80	100.2
POTASSIUM	12500.0	12420.00	99.4
SELENIUM	500.0	495.70	99.1
SILVER	500.0	495.20	99.0
SODIUM	12500.0	12280.00	98.2
THALLIUM	500.0	510.80	102.2
VANADIUM	500.0	493.50	98.7
ZINC	500.0	502.20	100.4

(1) Control Limits: Mercury 80-120; Other Metals 90-110

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Katahdin Analytical Services **SDG Name:** CTO29-1

Concentration Units: ug/L

SAMPLE: CCV 2

File: IXF26A Jun 26, 2007 13:37

Analyte	True	Found	%R (1)
ALUMINUM	12500.0	12430.00	99.4
ANTIMONY	500.0	496.80	99.4
ARSENIC	500.0	489.90	98.0
BARIUM	500.0	497.80	99.6
BERYLLIUM	500.0	498.70	99.7
CADMIUM	500.0	501.60	100.3
CALCIUM	12500.0	12700.00	101.6
CHROMIUM	500.0	499.90	100.0
COBALT	500.0	514.90	103.0
COPPER	500.0	493.90	98.8
IRON	12500.0	12530.00	100.2
LEAD	500.0	510.40	102.1
MAGNESIUM	12500.0	12960.00	103.7
MANGANESE	500.0	493.70	98.7
NICKEL	500.0	502.00	100.4
POTASSIUM	12500.0	12750.00	102.0
SELENIUM	500.0	505.90	101.2
SILVER	500.0	503.50	100.7
SODIUM	12500.0	12370.00	99.0
THALLIUM	500.0	521.80	104.4
VANADIUM	500.0	500.90	100.2
ZINC	500.0	513.90	102.8

SAMPLE: CCV 3

File: IXF26A Jun 26, 2007 14:33

Analyte	True	Found	%R (1)
ALUMINUM	12500.0	12400.00	99.2
ANTIMONY	500.0	494.60	98.9
ARSENIC	500.0	488.00	97.6
BARIUM	500.0	498.60	99.7
BERYLLIUM	500.0	496.30	99.3
CADMIUM	500.0	502.50	100.5
CALCIUM	12500.0	12610.00	100.9
CHROMIUM	500.0	495.60	99.1
COBALT	500.0	518.00	103.6
COPPER	500.0	494.10	98.8
IRON	12500.0	12460.00	99.7
LEAD	500.0	512.50	102.5
MAGNESIUM	12500.0	12870.00	103.0
MANGANESE	500.0	486.70	97.3
NICKEL	500.0	501.60	100.3
POTASSIUM	12500.0	12880.00	103.0
SELENIUM	500.0	507.20	101.4
SILVER	500.0	503.50	100.7
SODIUM	12500.0	12350.00	98.8
THALLIUM	500.0	525.70	105.1
VANADIUM	500.0	501.90	100.4
ZINC	500.0	517.50	103.5

(1) Control Limits: Mercury 80-120; Other Metals 90-110

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Katahdin Analytical Services **SDG Name:** CTO29-1

Concentration Units: ug/L

SAMPLE: CCV4

File: IXF26A Jun 26, 2007 15:28

Analyte	True	Found	%R (1)
ALUMINUM	12500.0	12610.00	100.9
ANTIMONY	500.0	491.90	98.4
ARSENIC	500.0	490.10	98.0
BARIUM	500.0	503.90	100.8
BERYLLIUM	500.0	499.50	99.9
CADMIUM	500.0	516.00	103.2
CALCIUM	12500.0	13310.00	106.5
CHROMIUM	500.0	490.80	98.2
COBALT	500.0	539.80	108.0
COPPER	500.0	500.90	100.2
IRON	12500.0	12500.00	100.0
LEAD	500.0	527.70	105.5
MAGNESIUM	12500.0	13380.00	107.0
MANGANESE	500.0	495.00	99.0
NICKEL	500.0	507.70	101.5
POTASSIUM	12500.0	13440.00	107.5
SELENIUM	500.0	533.50	106.7
SILVER	500.0	517.80	103.6
SODIUM	12500.0	12770.00	102.2
THALLIUM	500.0	552.40	110.5
VANADIUM	500.0	519.60	103.9
ZINC	500.0	549.20	109.8

SAMPLE: CCV 5

File: IXF26A Jun 26, 2007 16:24

Analyte	True	Found	%R (1)
ALUMINUM	12500.0	12610.00	100.9
ANTIMONY	500.0	485.70	97.1
ARSENIC	500.0	485.20	97.0
BARIUM	500.0	498.90	99.8
BERYLLIUM	500.0	498.60	99.7
CADMIUM	500.0	518.60	103.7
CALCIUM	12500.0	13540.00	108.3
CHROMIUM	500.0	498.70	99.7
COBALT	500.0	538.10	107.6
COPPER	500.0	483.50	96.7
IRON	12500.0	12530.00	100.2
LEAD	500.0	529.90	106.0
MAGNESIUM	12500.0	13400.00	107.2
MANGANESE	500.0	499.40	99.9
NICKEL	500.0	504.60	100.9
POTASSIUM	12500.0	13440.00	107.5
SELENIUM	500.0	531.00	106.2
SILVER	500.0	516.70	103.3
SODIUM	12500.0	12750.00	102.0
THALLIUM	500.0	549.50	109.9
VANADIUM	500.0	525.30	105.1
ZINC	500.0	561.50	112.3 •

(1) Control Limits: Mercury 80-120; Other Metals 90-110

2C

PQL STANDARD FOR AA AND ICP

Lab Name: Katahdin Analytical Services **SDG Name:** CTO29-1

SAMPLE: PQL

File: IXF26A Jun 26, 2007 12:29 Concentration Units: ug/L

Analyte	TRUE	FOUND	% R
ALUMINUM	300.0	310.50	103.5
ANTIMONY	8.0	7.26	90.8
ARSENIC	8.0	9.14	114.3
BARIUM	5.0	5.46	109.2
BERYLLIUM	5.0	5.16	103.2
CADMIUM	10.0	10.30	103.0
CALCIUM	50.0	55.41	110.8
CHROMIUM	15.0	15.46	103.1
COBALT	30.0	31.89	106.3
COPPER	25.0	25.18	100.7
IRON	100.0	105.90	105.9
LEAD	5.0	4.88	97.6
MAGNESIUM	50.0	55.53	111.1
MANGANESE	5.0	5.32	106.4
NICKEL	40.0	42.11	105.3
POTASSIUM	1000.0	1059.00	105.9
SELENIUM	10.0	9.15	91.5
SILVER	15.0	14.38	95.9
SODIUM	1000.0	1045.00	104.5
THALLIUM	15.0	16.94	112.9
VANADIUM	25.0	24.93	99.7
ZINC	25.0	26.04	104.2

2C

PQL STANDARD FOR AA AND ICP

Lab Name: Katahdin Analytical Services **SDG Name:** CTO29-1

SAMPLE: PQL

File: IXF26A Jun 26, 2007 16:10 Concentration Units: ug/L

Analyte	TRUE	FOUND	% R
ALUMINUM	300.0	318.10	106.0
ANTIMONY	8.0	7.45	93.1
ARSENIC	8.0	8.47	105.9
BARIUM	5.0	5.75	115.0
BERYLLIUM	5.0	5.21	104.2
CADMIUM	10.0	10.75	107.5
CALCIUM	50.0	62.86	125.7
CHROMIUM	15.0	15.91	106.1
COBALT	30.0	34.04	113.5
COPPER	25.0	26.67	106.7
IRON	100.0	109.60	109.6
LEAD	5.0	5.46	109.2
MAGNESIUM	50.0	60.28	120.6
MANGANESE	5.0	5.38	107.6
NICKEL	40.0	42.92	107.3
POTASSIUM	1000.0	1068.00	106.8
SELENIUM	10.0	9.78	97.8
SILVER	15.0	15.67	104.5
SODIUM	1000.0	1060.00	106.0
THALLIUM	15.0	17.97	119.8
VANADIUM	25.0	26.72	106.9
ZINC	25.0	30.04	120.2

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Katahdin Analytical Services **SDG Name:** CTO29-1

Concentration Units: ug/L

SAMPLE: ICV

File: HXF21A Jun 21, 2007 8:19

Analyte	True	Found	%R (1)
MERCURY	6.0	6.06	101.0

SAMPLE: CCV

File: HXF21A Jun 21, 2007 8:31

Analyte	True	Found	%R (1)
MERCURY	5.0	5.16	103.2

(1) Control Limits: Mercury 80-120; Other Metals 90-110

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Katahdin Analytical Services **SDG Name:** CTO29-1

Concentration Units: ug/L

SAMPLE: CCV

File: HXF21A Jun 21, 2007 8:48

Analyte	True	Found	%R (1)
MERCURY	5.0	5.18	103.6

SAMPLE: CCV

File: HXF21A Jun 21, 2007 9:14

Analyte	True	Found	%R (1)
MERCURY	5.0	5.25	105.0

(1) Control Limits: Mercury 80-120; Other Metals 90-110

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Katahdin Analytical Services **SDG Name:** CTO29-1

Concentration Units: ug/L

SAMPLE: CCV

File: HXF21A Jun 21, 2007 9:25

Analyte	True	Found	%R (1)
MERCURY	5.0	5.13	102.6

SAMPLE: CCV

File: HXF21A Jun 21, 2007 9:31

Analyte	True	Found	%R (1)
MERCURY	5.0	5.11	102.2

(1) Control Limits: Mercury 80-120; Other Metals 90-110

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Katahdin Analytical Services **SDG Name:** CTO29-1

Concentration Units: ug/L

SAMPLE: ICV

File: HXF25A Jun 25, 2007 12:17

Analyte	True	Found	%R (1)
MERCURY	6.0	6.02	100.3

SAMPLE: CCV

File: HXF25A Jun 25, 2007 12:42

Analyte	True	Found	%R (1)
MERCURY	5.0	5.29	105.8

(1) Control Limits: Mercury 80-120; Other Metals 90-110

2C

PQL STANDARD FOR AA AND ICP

Lab Name: Katahdin Analytical Services **SDG Name:** CTO29-1

SAMPLE: PQL

File: HXF21A Jun 21, 2007 08:23 Concentration Units: ug/L

Analyte	TRUE	FOUND	% R
MERCURY	0.2	0.14	70.0

2C

PQL STANDARD FOR AA AND ICP

Lab Name: Katahdin Analytical Services **SDG Name:** CTO29-1

SAMPLE: PQL

File: HXF25A Jun 25, 2007 12:21 Concentration Units: ug/L

Analyte	TRUE	FOUND	% R
MERCURY	0.2	0.23	115.0

3A

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services **SDG Name:** CTO29-1

Concentration Units: ug/L

SAMPLE: ICB

File: HXF21A Jun 21, 2007 8:21

Analyte	Result	C
MERCURY	-0.06	I

SAMPLE: CCB

File: HXF21A Jun 21, 2007 8:34

Analyte	Result	C
MERCURY	-0.05	I

SAMPLE: CCB

File: HXF21A Jun 21, 2007 8:51

Analyte	Result	C
MERCURY	-0.06	I

3A

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services **SDG Name:** CTO29-1

Concentration Units: ug/L

SAMPLE: CCB

File: HXF21A Jun 21, 2007 9:16

Analyte	Result	C
MERCURY	-0.05	I

SAMPLE: CCB

File: HXF21A Jun 21, 2007 9:27

Analyte	Result	C
MERCURY	-0.05	I

SAMPLE: CCB

File: HXF21A Jun 21, 2007 9:33

Analyte	Result	C
MERCURY	-0.05	I

3P

PREPARATION BLANKS

Lab Name: Katahdin Analytical Services **Sample ID:** PBWXF20HGW0

Matrix: WATER **SDG Name:** CTO29-1

QC Batch ID: XF20HGW0

Concentration Units : ug/L

Analyte	RESULT	C
MERCURY	-0.051	I

3A

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services **SDG Name:** CTO29-1

Concentration Units: ug/L

SAMPLE: ICB

File: HXF25A Jun 25, 2007 12:19

Analyte	Result	C
MERCURY	0.02	I

SAMPLE: CCB

File: HXF25A Jun 25, 2007 12:45

Analyte	Result	C
MERCURY	0.03	I

3P

PREPARATION BLANKS

Lab Name: Katahdin Analytical Services **Sample ID:** PBWXF22HGW0

Matrix: WATER **SDG Name:** CTO29-1

QC Batch ID: XF22HGW0

Concentration Units : ug/L

Analyte	RESULT	C
MERCURY	0.033	I

Katahdin Analytical Services 4000036

3P

PREPARATION BLANKS

Lab Name: Katahdin Analytical Services **Sample ID:** PBWXF18ICW2

Matrix: WATER **SDG Name:** CTO29-1

QC Batch ID: XF18ICW2

Concentration Units : ug/L

Analyte	RESULT	C
ALUMINUM	19.000	U
ANTIMONY	0.870	U
ARSENIC	1.512	I
BARIUM	0.450	U
BERYLLIUM	0.120	U
CADMIUM	0.100	U
CALCIUM	7.700	U
CHROMIUM	0.502	I
COBALT	0.260	U
COPPER	0.220	U
IRON	7.143	I
LEAD	-1.035	I
MAGNESIUM	4.900	U
MANGANESE	0.570	U
NICKEL	0.410	U
POTASSIUM	86.000	U
SELENIUM	1.500	U
SILVER	0.460	U
SODIUM	28.170	I
THALLIUM	0.747	I
VANADIUM	0.373	I
ZINC	1.970	I

3P

PREPARATION BLANKS

Lab Name: Katahdin Analytical Services **Sample ID:** PBWXF18ICW3

Matrix: WATER **SDG Name:** CTO29-1

QC Batch ID: XF18ICW3

Concentration Units : ug/L

Analyte	RESULT	C
ALUMINUM	19.000	U
ANTIMONY	0.890	I
ARSENIC	0.923	I
BARIUM	0.470	I
BERYLLIUM	0.120	U
CADMIUM	0.100	U
CALCIUM	7.700	U
CHROMIUM	0.404	I
COBALT	0.260	U
COPPER	0.221	I
IRON	5.200	U
LEAD	0.910	U
MAGNESIUM	4.900	U
MANGANESE	0.570	U
NICKEL	0.410	U
POTASSIUM	86.000	U
SELENIUM	1.677	I
SILVER	-0.525	I
SODIUM	24.840	I
THALLIUM	0.710	U
VANADIUM	0.440	I
ZINC	2.170	I

3A

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services **SDG Name:** CTO29-1

Concentration Units: ug/L

SAMPLE: ICB ☆
File: IXF26A Jun 26, 2007 12:24

Analyte	Result	C
ALUMINUM	19.00	U
ANTIMONY	0.87	U
ARSENIC	1.39	I
BARIUM	0.45	U
BERYLLIUM	0.12	U
CADMIUM	0.10	U
CALCIUM	7.70	U
CHROMIUM	0.28	U
COBALT	0.26	U
COPPER	-0.44	I
IRON	5.20	U
LEAD	0.91	U
MAGNESIUM	4.90	U
MANGANESE	0.57	U
NICKEL	0.41	U
POTASSIUM	86.00	U
SELENIUM	-2.04	I
SILVER	0.46	U
SODIUM	13.00	U
THALLIUM	1.45	I
VANADIUM	0.29	U
ZINC	0.23	U

SAMPLE: CCB 1 ☆
File: IXF26A Jun 26, 2007 12:47

Analyte	Result	C
ALUMINUM	19.00	U
ANTIMONY	0.87	U
ARSENIC	1.26	I
BARIUM	0.45	U
BERYLLIUM	0.12	U
CADMIUM	0.10	U
CALCIUM	7.70	U
CHROMIUM	0.28	U
COBALT	0.26	U
COPPER	0.22	U
IRON	5.20	U
LEAD	-1.17	I
MAGNESIUM	4.90	U
MANGANESE	0.57	U
NICKEL	0.45	I
POTASSIUM	86.00	U
SELENIUM	1.50	U
SILVER	0.46	U
SODIUM	13.00	U
THALLIUM	1.08	I
VANADIUM	0.38	I
ZINC	0.23	U

SAMPLE: CCB 2 ☆
File: IXF26A Jun 26, 2007 13:42

Analyte	Result	C
ALUMINUM	19.00	U
ANTIMONY	0.87	U
ARSENIC	1.13	I
BARIUM	0.47	I
BERYLLIUM	0.12	U
CADMIUM	0.10	U
CALCIUM	7.70	U
CHROMIUM	0.50	I
COBALT	0.26	U
COPPER	0.67	I
IRON	5.20	U
LEAD	0.91	U
MAGNESIUM	4.90	U
MANGANESE	0.57	U
NICKEL	0.51	I
POTASSIUM	86.00	U
SELENIUM	1.50	U
SILVER	0.46	U
SODIUM	13.00	U
THALLIUM	1.49	I
VANADIUM	0.39	I
ZINC	0.23	U

3A

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services **SDG Name:** CTO29-1

Concentration Units: ug/L

SAMPLE: CCB 3
File: IXF26A Jun 26, 2007 14:37

Analyte	Result	C
ALUMINUM	19.00	U
ANTIMONY	0.87	U
ARSENIC	1.00	I
BARIUM	0.46	I
BERYLLIUM	0.12	U
CADMIUM	0.10	U
CALCIUM	7.70	U
CHROMIUM	0.28	U
COBALT	0.26	U
COPPER	1.10	I
IRON	5.20	U
LEAD	0.91	U
MAGNESIUM	4.90	U
MANGANESE	0.57	U
NICKEL	0.41	U
POTASSIUM	86.00	U
SELENIUM	1.50	U
SILVER	0.46	U
SODIUM	13.00	U
THALLIUM	1.55	I
VANADIUM	0.50	I
ZINC	0.23	U

SAMPLE: CCB 4
File: IXF26A Jun 26, 2007 15:33

Analyte	Result	C
ALUMINUM	19.00	U
ANTIMONY	1.81	I
ARSENIC	0.83	U
BARIUM	0.66	I
BERYLLIUM	0.12	U
CADMIUM	0.10	U
CALCIUM	7.70	U
CHROMIUM	0.34	I
COBALT	0.26	U
COPPER	3.37	I
IRON	5.20	U
LEAD	0.91	U
MAGNESIUM	5.02	I
MANGANESE	0.57	U
NICKEL	0.41	U
POTASSIUM	86.00	U
SELENIUM	1.50	U
SILVER	0.46	U
SODIUM	13.00	U
THALLIUM	1.03	I
VANADIUM	0.29	U
ZINC	0.23	U

SAMPLE: CCB 5
File: IXF26A Jun 26, 2007 16:28

Analyte	Result	C
ALUMINUM	19.00	U
ANTIMONY	1.10	I
ARSENIC	1.91	I
BARIUM	0.64	I
BERYLLIUM	0.12	U
CADMIUM	0.10	U
CALCIUM	7.70	U
CHROMIUM	0.28	U
COBALT	0.29	I
COPPER	5.25	I
IRON	6.50	I
LEAD	0.91	U
MAGNESIUM	8.56	I
MANGANESE	0.57	U
NICKEL	0.41	U
POTASSIUM	86.00	U
SELENIUM	1.50	U
SILVER	0.46	U
SODIUM	13.00	U
THALLIUM	0.74	I
VANADIUM	0.39	I
ZINC	0.25	I

ICP INTERFERENCE CHECK SAMPLE

Lab Name: Katahdin Analytical Services **SDG Name:** CTO29-1

Concentration Units: ug/L

SAMPLE: ICSA

File: IXF26A Jun 26, 2007 12:33

Analyte	TRUE	FOUND	% R
ALUMINUM	500000	520900	104.2
ANTIMONY	0	1	
ARSENIC	0	1	
BARIUM	0	0	
BERYLLIUM	0	0	
CADMIUM	0	0	
CALCIUM	500000	489200	97.8
CHROMIUM	3	2	
COBALT	0	-3	
COPPER	0	4	
IRON	200000	191800	95.9
LEAD	0	2	
MAGNESIUM	500000	500800	100.2
MANGANESE	2	-6	
NICKEL	0	3	
POTASSIUM	0	-30	
SELENIUM	0	-1	
SILVER	0	-2	
SODIUM	0	20	
THALLIUM	0	0	
VANADIUM	0	1	
ZINC	0	10	

SAMPLE: ICSAB

File: IXF26A Jun 26, 2007 12:38

Analyte	TRUE	FOUND	% R
ALUMINUM	500000	518000	103.6
ANTIMONY	600	600	100.0
ARSENIC	100	97	97.0
BARIUM	500	499	99.8
BERYLLIUM	500	482	96.4
CADMIUM	1000	922	92.2
CALCIUM	500000	481100	96.2
CHROMIUM	503	479	95.2
COBALT	500	452	90.4
COPPER	500	519	103.8
IRON	200000	190900	95.5
LEAD	50	47	94.0
MAGNESIUM	500000	493700	98.7
MANGANESE	502	463	92.2
NICKEL	1000	884	88.4
POTASSIUM	20000	21580	107.9
SELENIUM	50	50	100.0
SILVER	200	212	106.0
SODIUM	20000	21370	106.8
THALLIUM	100	85	85.0
VANADIUM	500	485	97.0
ZINC	1000	921	92.1

ICP INTERFERENCE CHECK SAMPLE

Lab Name: Katahdin Analytical Services **SDG Name:** CTO29-1

Concentration Units: ug/L

SAMPLE: ICSA

File: IXF26A Jun 26, 2007 16:14

Analyte	TRUE	FOUND	% R
ALUMINUM	500000	533200	106.6
ANTIMONY	0	1	
ARSENIC	0	1	
BARIUM	0	1	
BERYLLIUM	0	0	
CADMIUM	0	-2	
CALCIUM	500000	533400	106.7
CHROMIUM	3	2	
COBALT	0	-3	
COPPER	0	6	
IRON	200000	196400	98.2
LEAD	0	1	
MAGNESIUM	500000	524800	105.0
MANGANESE	2	-7	
NICKEL	0	3	
POTASSIUM	0	97	
SELENIUM	0	1	
SILVER	0	-7	
SODIUM	0	-1	
THALLIUM	0	-1	
VANADIUM	0	1	
ZINC	0	10	

SAMPLE: ICSAB

File: IXF26A Jun 26, 2007 16:19

Analyte	TRUE	FOUND	% R
ALUMINUM	500000	534000	106.8
ANTIMONY	600	565	94.2
ARSENIC	100	98	98.0
BARIUM	500	488	97.6
BERYLLIUM	500	474	94.8
CADMIUM	1000	936	93.6
CALCIUM	500000	533100	106.6
CHROMIUM	503	473	94.0
COBALT	500	466	93.2
COPPER	500	486	97.2
IRON	200000	195300	97.7
LEAD	50	45	90.0
MAGNESIUM	500000	519500	103.9
MANGANESE	502	458	91.2
NICKEL	1000	869	86.9
POTASSIUM	20000	23710	118.6
SELENIUM	50	50	100.0
SILVER	200	211	105.5
SODIUM	20000	22360	111.8
THALLIUM	100	91	91.0
VANADIUM	500	504	100.8
ZINC	1000	1009	100.9

5A

SPIKE SAMPLE RECOVERY

Lab Name: Katahdin Analytical Services **Client Field ID:** OLFS4-MW40-0607S

Matrix: WATER **SDG Name:** CTO29-1

Percent Solids: 0.00 **Lab Sample ID:** SA3013-001P

Concentration Units : ug/L

Analyte	Spiked Sample	C	Sample Result	C	Spike Added	%R	Q	Control Limits (%R) Low	High	M
ALUMINUM, TOTAL	3626.0000		335.4000		2000	164.5	J	75	125	P
ANTIMONY, TOTAL	523.5000		1.5470	I	500	104.4		75	125	P
ARSENIC, TOTAL	513.3000		1.3600	I	500	102.4		75	125	P
BARIUM, TOTAL	2224.0000		16.5800		2000	110.4		75	125	P
BERYLLIUM, TOTAL	54.4300		0.0117	U	50	108.9		75	125	P
CADMIUM, TOTAL	272.4000		-0.0365	U	250	109.0		75	125	P
CALCIUM, TOTAL	5329.0000		2446.0000		2500	115.3		75	125	P
CHROMIUM, TOTAL	237.4000		22.1200		200	107.6		75	125	P
COBALT, TOTAL	592.9000		3.1090	I	500	118.0		75	125	P
COPPER, TOTAL	268.6000		13.5900	I	250	102.0		75	125	P
IRON, TOTAL	1750.0000		607.6000		1000	114.2		75	125	P
LEAD, TOTAL	556.5000		1.4490	I	500	111.0		75	125	P
MAGNESIUM, TOTAL	6663.0000		788.8000		5000	117.5		75	125	P
MANGANESE, TOTAL	759.7000		221.1000		500	107.7		75	125	P
MERCURY, TOTAL	0.9430		-0.0450	U	1	94.3		75	125	CV
NICKEL, TOTAL	565.8000		12.8400	I	500	110.6		75	125	P
POTASSIUM, TOTAL	12170.0000		545.4000	I	10000	116.2		75	125	P
SELENIUM, TOTAL	548.8000		0.3868	U	500	109.8		75	125	P
SILVER, TOTAL	55.2500		-0.4380	U	50	110.5		75	125	P
SODIUM, TOTAL	11220.0000		2867.0000		7500	111.4		75	125	P
THALLIUM, TOTAL	583.8000		0.7939	I	500	116.6		75	125	P
VANADIUM, TOTAL	563.6000		1.7930	I	500	112.4		75	125	P
ZINC, TOTAL	600.8000		12.0300	I	500	117.8		75	125	P

Comments:

5A

SPIKE SAMPLE RECOVERY

Lab Name: Katahdin Analytical Services **Client Field ID:** OLFS4-MW40-0607S

Matrix: WATER **SDG Name:** CTO29-1

Percent Solids: 0.00 **Lab Sample ID:** SA3013-001S

Concentration Units : ug/L

Analyte	Spiked Sample	C	Sample Result	C	Spike Added	%R	Q	Control Limits (%R) Low	High	M
ALUMINUM, TOTAL	3297.0000		335.4000		2000	148.1	J	75	125	P
ANTIMONY, TOTAL	489.3000		1.5470	I	500	97.6		75	125	P
ARSENIC, TOTAL	479.7000		1.3600	I	500	95.7		75	125	P
BARIUM, TOTAL	2041.0000		16.5800		2000	101.2		75	125	P
BERYLLIUM, TOTAL	50.1400		0.0117	U	50	100.3		75	125	P
CADMIUM, TOTAL	254.7000		-0.0365	U	250	101.9		75	125	P
CALCIUM, TOTAL	5052.0000		2446.0000		2500	104.2		75	125	P
CHROMIUM, TOTAL	218.4000		22.1200		200	98.1		75	125	P
COBALT, TOTAL	542.2000		3.1090	I	500	107.8		75	125	P
COPPER, TOTAL	260.2000		13.5900	I	250	98.6		75	125	P
IRON, TOTAL	1611.0000		607.6000		1000	100.3		75	125	P
LEAD, TOTAL	521.3000		1.4490	I	500	104.0		75	125	P
MAGNESIUM, TOTAL	6294.0000		788.8000		5000	110.1		75	125	P
MANGANESE, TOTAL	708.1000		221.1000		500	97.4		75	125	P
MERCURY, TOTAL	0.9660		-0.0450	U	1	96.6		75	125	CV
NICKEL, TOTAL	519.6000		12.8400	I	500	101.4		75	125	P
POTASSIUM, TOTAL	11340.0000		545.4000	I	10000	107.9		75	125	P
SELENIUM, TOTAL	508.6000		0.3868	U	500	101.7		75	125	P
SILVER, TOTAL	50.7700		-0.4380	U	50	101.5		75	125	P
SODIUM, TOTAL	10590.0000		2867.0000		7500	103.0		75	125	P
THALLIUM, TOTAL	543.7000		0.7939	I	500	108.6		75	125	P
VANADIUM, TOTAL	513.5000		1.7930	I	500	102.3		75	125	P
ZINC, TOTAL	552.2000		12.0300	I	500	108.0		75	125	P

Comments:

5A

SPIKE SAMPLE RECOVERY

Lab Name: Katahdin Analytical Services **Client Field ID:** OLFS4-MW43-0607S

Matrix: WATER **SDG Name:** CTO29-1

Percent Solids: 0.00 **Lab Sample ID:** SA3013-021P

Concentration Units : ug/L

Analyte	Spiked Sample	C	Sample Result	C	Spike Added	%R	Q	Control Limits (%R) Low	High	M
ALUMINUM, TOTAL	6429.0000		1074.0000		2000	267.8	J	75	125	P
ANTIMONY, TOTAL	524.8000		-0.0685	U	500	105.0		75	125	P
ARSENIC, TOTAL	524.3000		2.0480	I	500	104.5		75	125	P
BARIUM, TOTAL	2230.0000		74.6100		2000	107.8		75	125	P
BERYLLIUM, TOTAL	53.9700		-0.0059	U	50	107.9		75	125	P
CADMIUM, TOTAL	265.1000		-0.0839	U	250	106.0		75	125	P
CALCIUM, TOTAL	51490.0000		47410.0000		2500	163.2		75	125	P
CHROMIUM, TOTAL	219.4000		3.1040	I	200	108.1		75	125	P
COBALT, TOTAL	555.5000		5.3550	I	500	110.0		75	125	P
COPPER, TOTAL	267.2000		9.1180	I	250	103.2		75	125	P
IRON, TOTAL	2124.0000		967.1000		1000	115.7		75	125	P
LEAD, TOTAL	535.2000		1.4490	I	500	106.8		75	125	P
MAGNESIUM, TOTAL	12810.0000		6963.0000		5000	116.9		75	125	P
MANGANESE, TOTAL	1715.0000		1154.0000		500	112.2		75	125	P
NICKEL, TOTAL	536.1000		2.7870	I	500	106.7		75	125	P
POTASSIUM, TOTAL	16870.0000		5515.0000		10000	113.6		75	125	P
SELENIUM, TOTAL	528.2000		0.0767	U	500	105.6		75	125	P
SILVER, TOTAL	53.7200		-0.1000	U	50	107.4		75	125	P
SODIUM, TOTAL	29200.0000		20400.0000		7500	117.3		75	125	P
THALLIUM, TOTAL	540.3000		1.4640	I	500	107.8		75	125	P
VANADIUM, TOTAL	545.0000		1.2430	I	500	108.8		75	125	P
ZINC, TOTAL	563.8000		8.8380	I	500	111.0		75	125	P

Comments:

5A

SPIKE SAMPLE RECOVERY

Lab Name: Katahdin Analytical Services **Client Field ID:** OLFS4-MW43-0607S

Matrix: WATER **SDG Name:** CTO29-1

Percent Solids: 0.00 **Lab Sample ID:** SA3013-021S

Concentration Units : ug/L

Analyte	Spiked Sample	C	Sample Result	C	Spike Added	%R	Q	Control Limits (%R) Low	High	M
ALUMINUM, TOTAL	6392.0000		1074.0000		2000	265.9	J	75	125	P
ANTIMONY, TOTAL	509.7000		-0.0685	U	500	101.9		75	125	P
ARSENIC, TOTAL	514.2000		2.0480	I	500	102.4		75	125	P
BARIUM, TOTAL	2152.0000		74.6100		2000	103.9		75	125	P
BERYLLIUM, TOTAL	52.6100		-0.0059	U	50	105.2		75	125	P
CADMIUM, TOTAL	260.0000		-0.0839	U	250	104.0		75	125	P
CALCIUM, TOTAL	50990.0000		47410.0000		2500	143.2		75	125	P
CHROMIUM, TOTAL	216.4000		3.1040	I	200	106.6		75	125	P
COBALT, TOTAL	535.5000		5.3550	I	500	106.0		75	125	P
COPPER, TOTAL	257.9000		9.1180	I	250	99.5		75	125	P
IRON, TOTAL	2123.0000		967.1000		1000	115.6		75	125	P
LEAD, TOTAL	522.3000		1.4490	I	500	104.2		75	125	P
MAGNESIUM, TOTAL	12550.0000		6963.0000		5000	111.7		75	125	P
MANGANESE, TOTAL	1688.0000		1154.0000		500	106.8		75	125	P
NICKEL, TOTAL	520.6000		2.7870	I	500	103.6		75	125	P
POTASSIUM, TOTAL	16500.0000		5515.0000		10000	109.8		75	125	P
SELENIUM, TOTAL	515.6000		0.0767	U	500	103.1		75	125	P
SILVER, TOTAL	51.6400		-0.1000	U	50	103.3		75	125	P
SODIUM, TOTAL	28610.0000		20400.0000		7500	109.5		75	125	P
THALLIUM, TOTAL	524.1000		1.4640	I	500	104.5		75	125	P
VANADIUM, TOTAL	528.4000		1.2430	I	500	105.4		75	125	P
ZINC, TOTAL	549.4000		8.8380	I	500	108.1		75	125	P

Comments:

5D

SPIKE DUPLICATES

Lab Name: Katahdin Analytical Services **Client Field ID:** OLFS4-MW40-0607

Matrix: WATER **SDG Name:** CTO29-1

Percent Solids: 0.00 **Lab Sample ID:** SA3013-001

Concentration Units : ug/L

Analyte	Control Limits	Spike Result	C	Spike Dup. Result	C	RPD	Q	M
ALUMINUM, TOTAL		3297.0000		3626.0000		9.5		P
ANTIMONY, TOTAL		489.3000		523.5000		6.8		P
ARSENIC, TOTAL		479.7000		513.3000		6.8		P
BARIUM, TOTAL		2041.0000		2224.0000		8.6		P
BERYLLIUM, TOTAL		50.1400		54.4300		8.2		P
CADMIUM, TOTAL		254.7000		272.4000		6.7		P
CALCIUM, TOTAL		5052.0000		5329.0000		5.3		P
CHROMIUM, TOTAL		218.4000		237.4000		8.3		P
COBALT, TOTAL		542.2000		592.9000		8.9		P
COPPER, TOTAL		260.2000		268.6000		3.2		P
IRON, TOTAL		1611.0000		1750.0000		8.3		P
LEAD, TOTAL		521.3000		556.5000		6.5		P
MAGNESIUM, TOTAL		6294.0000		6663.0000		5.7		P
MANGANESE, TOTAL		708.1000		759.7000		7.0		P
MERCURY, TOTAL	0.2	0.9660		0.9430		2.4		CV
NICKEL, TOTAL		519.6000		565.8000		8.5		P
POTASSIUM, TOTAL		11340.0000		12170.0000		7.1		P
SELENIUM, TOTAL		508.6000		548.8000		7.6		P
SILVER, TOTAL	15	50.7700		55.2500		8.5		P
SODIUM, TOTAL		10590.0000		11220.0000		5.8		P
THALLIUM, TOTAL		543.7000		583.8000		7.1		P
VANADIUM, TOTAL		513.5000		563.6000		9.3		P
ZINC, TOTAL		552.2000		600.8000		8.4		P

Comments:

5D

SPIKE DUPLICATES

Lab Name: Katahdin Analytical Services **Client Field ID:** OLFS4-MW43-0607

Matrix: WATER **SDG Name:** CTO29-1

Percent Solids: 0.00 **Lab Sample ID:** SA3013-021

Concentration Units : ug/L

Analyte	Control Limits	Spike Result	C	Spike Dup. Result	C	RPD	Q	M
ALUMINUM, TOTAL		6392.0000		6429.0000		0.6		P
ANTIMONY, TOTAL		509.7000		524.8000		2.9		P
ARSENIC, TOTAL		514.2000		524.3000		1.9		P
BARIUM, TOTAL		2152.0000		2230.0000		3.6		P
BERYLLIUM, TOTAL		52.6100		53.9700		2.6		P
CADMIUM, TOTAL		260.0000		265.1000		1.9		P
CALCIUM, TOTAL		50990.0000		51490.0000		1.0		P
CHROMIUM, TOTAL		216.4000		219.4000		1.4		P
COBALT, TOTAL		535.5000		555.5000		3.7		P
COPPER, TOTAL		257.9000		267.2000		3.5		P
IRON, TOTAL		2123.0000		2124.0000		0.0		P
LEAD, TOTAL		522.3000		535.2000		2.4		P
MAGNESIUM, TOTAL		12550.0000		12810.0000		2.1		P
MANGANESE, TOTAL		1688.0000		1715.0000		1.6		P
NICKEL, TOTAL		520.6000		536.1000		2.9		P
POTASSIUM, TOTAL		16500.0000		16870.0000		2.2		P
SELENIUM, TOTAL		515.6000		528.2000		2.4		P
SILVER, TOTAL	15	51.6400		53.7200		3.9		P
SODIUM, TOTAL		28610.0000		29200.0000		2.0		P
THALLIUM, TOTAL		524.1000		540.3000		3.0		P
VANADIUM, TOTAL		528.4000		545.0000		3.1		P
ZINC, TOTAL		549.4000		563.8000		2.6		P

Comments:

LABORATORY CONTROL SAMPLES

Lab Name: Katahdin Analytical Services **Sample ID:** LCSWXF18ICW2

Matrix: WATER **SDG Name:** CTO29-1

QC Batch ID: XF18ICW2

Concentration Units : ug/L

Analyte	TRUE	FOUND	% R	LIMITS (%)	
ALUMINUM	2000.0	2156.00	107.8	80	120
ANTIMONY	500.0	517.50	103.5	80	120
ARSENIC	500.0	506.50	101.3	80	120
BARIUM	2000.0	2148.00	107.4	80	120
BERYLLIUM	50.0	53.01	106.0	80	120
CADMIUM	250.0	262.20	104.9	80	120
CALCIUM	2500.0	2706.00	108.2	80	120
CHROMIUM	200.0	211.20	105.6	80	120
COBALT	500.0	552.80	110.6	80	120
COPPER	250.0	266.00	106.4	80	120
IRON	1000.0	1100.00	110.0	80	120
LEAD	500.0	535.60	107.1	80	120
MAGNESIUM	5000.0	5598.00	112.0	80	120
MANGANESE	500.0	525.20	105.0	80	120
NICKEL	500.0	540.60	108.1	80	120
POTASSIUM	10000.0	10740.00	107.4	80	120
SELENIUM	500.0	510.20	102.0	80	120
SILVER	50.0	52.18	104.4	80	120
SODIUM	7500.0	7979.00	106.4	80	120
THALLIUM	500.0	546.70	109.3	80	120
VANADIUM	500.0	522.60	104.5	80	120
ZINC	500.0	544.90	109.0	80	120

LABORATORY CONTROL SAMPLES

Lab Name: Katahdin Analytical Services **Sample ID:** LCSWXF18ICW3

Matrix: WATER **SDG Name:** CTO29-1

QC Batch ID: XF18ICW3

Concentration Units : ug/L

Analyte	TRUE	FOUND	% R	LIMITS (%)	
ALUMINUM	2000.0	2194.00	109.7	80	120
ANTIMONY	500.0	521.10	104.2	80	120
ARSENIC	500.0	507.10	101.4	80	120
BARIUM	2000.0	2173.00	108.7	80	120
BERYLLIUM	50.0	53.49	107.0	80	120
CADMIUM	250.0	264.80	105.9	80	120
CALCIUM	2500.0	2717.00	108.7	80	120
CHROMIUM	200.0	215.40	107.7	80	120
COBALT	500.0	567.80	113.6	80	120
COPPER	250.0	268.10	107.2	80	120
IRON	1000.0	1114.00	111.4	80	120
LEAD	500.0	541.20	108.2	80	120
MAGNESIUM	5000.0	5604.00	112.1	80	120
MANGANESE	500.0	523.20	104.6	80	120
NICKEL	500.0	548.30	109.7	80	120
POTASSIUM	10000.0	10890.00	108.9	80	120
SELENIUM	500.0	522.40	104.5	80	120
SILVER	50.0	53.64	107.3	80	120
SODIUM	7500.0	7957.00	106.1	80	120
THALLIUM	500.0	558.20	111.6	80	120
VANADIUM	500.0	533.90	106.8	80	120
ZINC	500.0	560.20	112.0	80	120

LABORATORY CONTROL SAMPLES

Lab Name: Katahdin Analytical Services **Sample ID:** LCSWXF20HGW0

Matrix: WATER **SDG Name:** CTO29-1

QC Batch ID: XF20HGW0

Concentration Units : ug/L

Analyte	TRUE	FOUND	% R	LIMITS (%)	
MERCURY	5.0	5.16	103.2	80	120

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LABORATORY CONTROL SAMPLES

Lab Name: Katahdin Analytical Services **Sample ID:** LCSWXF22HGW0

Matrix: WATER **SDG Name:** CTO29-1

QC Batch ID: XF22HGW0

Concentration Units : ug/L

Analyte	TRUE	FOUND	% R	LIMITS (%)	
MERCURY	5.0	5.04	100.8	80	120

ICP SERIAL DILUTION

Lab Name: Katahdin Analytical Services **Client Field ID:** OLFS4-MW40-0607L

Matrix: WATER **SDG Name:** CTO29-1

Lab Sample ID: SA3013-001L

Concentration Units: ug/L

Analyte	Sample Result	C	Dilution Result	C	% Difference	Q	M
ALUMINUM, TOTAL	335.40		318.80	I	4.9		P
ANTIMONY, TOTAL	1.55	I	1.00	U	100.0		P
ARSENIC, TOTAL	1.36	I	5.61	I	312.5		P
BARIUM, TOTAL	16.58		18.63	I	12.4		P
BERYLLIUM, TOTAL	0.01	U	-0.08	U			P
CADMIUM, TOTAL	-0.04	U	-0.29	U			P
CALCIUM, TOTAL	2446.00		2526.00		3.3		P
CHROMIUM, TOTAL	22.12		23.00	I	4.0		P
COBALT, TOTAL	3.11	I	3.85	I	23.8		P
COPPER, TOTAL	13.59	I	18.46	I	35.8	J	P
IRON, TOTAL	607.60		624.40		2.8		P
LEAD, TOTAL	1.45	I	-2.14	U	100.0		P
MAGNESIUM, TOTAL	788.80		820.20		4.0		P
MANGANESE, TOTAL	221.10		224.30		1.4		P
MERCURY, TOTAL	-0.04	U	-0.23	U			CV
NICKEL, TOTAL	12.84	I	14.38	I	12.0		P
POTASSIUM, TOTAL	545.40	I	369.20	U	100.0		P
SELENIUM, TOTAL	0.39	U	-11.10	U			P
SILVER, TOTAL	-0.44	U	-2.16	U			P
SODIUM, TOTAL	2867.00		2935.00	I	2.4		P
THALLIUM, TOTAL	0.79	I	4.45	I	463.3		P
VANADIUM, TOTAL	1.79	I	3.92	I	119.0		P
ZINC, TOTAL	12.03	I	12.55	I	4.3		P

ICP SERIAL DILUTION

Lab Name: Katahdin Analytical Services **Client Field ID:** OLFS4-MW43-0607L

Matrix: WATER **SDG Name:** CTO29-1

Lab Sample ID: SA3013-021L

Concentration Units: ug/L

Analyte	Sample Result	C	Dilution Result	C	% Difference	Q	M
ALUMINUM, TOTAL	1074.00		1092.00	I	1.7		P
ANTIMONY, TOTAL	-0.07	U	2.35	U			P
ARSENIC, TOTAL	2.05	I	3.77	U	100.0		P
BARIUM, TOTAL	74.61		75.83		1.6		P
BERYLLIUM, TOTAL	-0.01	U	-0.25	U			P
CADMIUM, TOTAL	-0.08	U	-0.12	U			P
CALCIUM, TOTAL	47410.00		47900.00		1.0		P
CHROMIUM, TOTAL	3.10	I	5.40	I	74.2		P
COBALT, TOTAL	5.36	I	6.36	I	18.7		P
COPPER, TOTAL	9.12	I	11.22	I	23.0	J	P
IRON, TOTAL	967.10		965.20		0.2		P
LEAD, TOTAL	1.45	I	-0.51	U	100.0		P
MAGNESIUM, TOTAL	6963.00		7092.00		1.9		P
MANGANESE, TOTAL	1154.00		1165.00		1.0		P
NICKEL, TOTAL	2.79	I	4.51	I	61.6		P
POTASSIUM, TOTAL	5515.00		5289.00		4.1		P
SELENIUM, TOTAL	0.08	U	0.24	U			P
SILVER, TOTAL	-0.10	U	-1.55	U			P
SODIUM, TOTAL	20400.00		20620.00		1.1		P
THALLIUM, TOTAL	1.46	I	4.78	I	227.4		P
VANADIUM, TOTAL	1.24	I	3.27	I	163.7		P
ZINC, TOTAL	8.84	I	9.35	I	5.8		P

INSTRUMENT DETECTION LIMITS

Lab Name: Katahdin Analytical Services **Instrument Code:** H

Instrument Name CETAC M6100 **Date:** 8/7/2006

Concentration Units: ug/L

Analyte	CRDL	IDL	M
MERCURY	0.20	0.01	CV

INSTRUMENT DETECTION LIMITS

Lab Name: Katahdin Analytical Services **Instrument Code:** I

Instrument Name THERMO ICAP 6500 **Date:** 4/20/2007

Concentration Units: ug/L

Analyte	CRDL	IDL	M
ALUMINUM	300	19.00	P
ANTIMONY	8.0	0.87	P
ARSENIC	8.0	0.83	P
BARIUM	5.0	0.45	P
BERYLLIUM	5.0	0.12	P
CADMIUM	10	0.10	P
CALCIUM	50	7.70	P
CHROMIUM	15	0.28	P
COBALT	30	0.26	P
COPPER	25	0.22	P
IRON	100	5.20	P
LEAD	5.0	0.91	P
MAGNESIUM	50	4.90	P
MANGANESE	5.0	0.57	P
NICKEL	40	0.41	P
POTASSIUM	1000	86.00	P
SELENIUM	10	1.50	P
SILVER	15	0.46	P
SODIUM	1000	13.00	P
THALLIUM	15	0.71	P
VANADIUM	25	0.29	P
ZINC	25	0.23	P

ICP LINEAR RANGES

Lab Name: Katahdin Analytical Services **Instrument Code:** I

Instrument Name THERMO ICAP 6500 **Date:** 1/8/2007

Concentration Units: ug/L

Analyte	Integration Time (sec)	Linear Range	M
ALUMINUM	5.00	1000000	P
ANTIMONY	60.00	20000	P
ARSENIC	60.00	20000	P
BARIUM	5.00	20000	P
BERYLLIUM	5.00	20000	P
CADMIUM	60.00	20000	P
CALCIUM	5.00	1000000	P
CHROMIUM	10.00	20000	P
COBALT	60.00	20000	P
COPPER	10.00	20000	P
IRON	5.00	400000	P
LEAD	60.00	20000	P
MAGNESIUM	5.00	500000	P
MANGANESE	5.00	20000	P
NICKEL	10.00	20000	P
POTASSIUM	5.00	1000000	P
SELENIUM	60.00	20000	P
SILVER	10.00	2000	P
SODIUM	5.00	1000000	P
THALLIUM	60.00	20000	P
VANADIUM	10.00	20000	P
ZINC	60.00	20000	P

PREPARATION LOG

Lab Name: Katahdin Analytical Services **QC Batch ID:** XF18ICW2

Matrix: WATER **SDG Name:** CTO29-1

Method: P **Prep Date:** 06/18/2007

Client ID	Lab Sample ID	Initial (L)	Final (L)
LCSWXF18ICW2	LCSWXF18ICW2	0.05	0.05
PBWXF18ICW2	PBWXF18ICW2	0.05	0.05
OLFS4-MW44-0607	SA3013-017	0.05	0.05
OLFS4-MW42-0607	SA3013-019	0.05	0.05
OLFS4-MW43-0607	SA3013-021	0.05	0.05
OLFS4-MW43-0607P	SA3013-021P	0.05	0.05
OLFS4-MW43-0607S	SA3013-021S	0.05	0.05

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PREPARATION LOG

Lab Name: Katahdin Analytical Services **QC Batch ID:** XF18ICW3

Matrix: WATER **SDG Name:** CTO29-1

Method: P **Prep Date:** 06/18/2007

Client ID	Lab Sample ID	Initial (L)	Final (L)
LCSWXF18ICW3	LCSWXF18ICW3	0.05	0.05
PBWXF18ICW3	PBWXF18ICW3	0.05	0.05
OLFS4-MW40-0607	SA3013-001	0.05	0.05
OLFS4-MW40-0607P	SA3013-001P	0.05	0.05
OLFS4-MW40-0607S	SA3013-001S	0.05	0.05
OLFS4-MW37-0607	SA3013-003	0.05	0.05
OLFS4-MW37-0607-D	SA3013-005	0.05	0.05
OLFS4-MW39-0607	SA3013-007	0.05	0.05
OLFS4-MW38-0607	SA3013-009	0.05	0.05
OLFS4-MW41-0607	SA3013-011	0.05	0.05
OLFS4-MW45-0607	SA3013-013	0.05	0.05
OLFS4-MW46-0607	SA3013-015	0.05	0.05

PREPARATION LOG

Lab Name: Katahdin Analytical Services **QC Batch ID:** XF20HGW0

Matrix: WATER **SDG Name:** CTO29-1

Method: CV **Prep Date:** 06/20/2007

Client ID	Lab Sample ID	Initial (L)	Final (L)
LCSWXF20HGW0	LCSWXF20HGW0	0.025	0.025
PBWXF20HGW0	PBWXF20HGW0	0.025	0.025
OLFS4-MW40-0607	SA3013-001	0.025	0.025
OLFS4-MW40-0607P	SA3013-001P	0.025	0.025
OLFS4-MW40-0607S	SA3013-001S	0.025	0.025
OLFS4-MW37-0607	SA3013-003	0.025	0.025
OLFS4-MW37-0607-D	SA3013-005	0.025	0.025
OLFS4-MW39-0607	SA3013-007	0.025	0.025
OLFS4-MW41-0607	SA3013-011	0.025	0.025
OLFS4-MW45-0607	SA3013-013	0.025	0.025
OLFS4-MW46-0607	SA3013-015	0.025	0.025
OLFS4-MW44-0607	SA3013-017	0.025	0.025
OLFS4-MW42-0607	SA3013-019	0.025	0.025
OLFS4-MW43-0607	SA3013-021	0.025	0.025

PREPARATION LOG

Lab Name: Katahdin Analytical Services **QC Batch ID:** XF22HGW0

Matrix: WATER **SDG Name:** CTO29-1

Method: CV **Prep Date:** 06/22/2007

Client ID	Lab Sample ID	Initial (L)	Final (L)
LCSWXF22HGW0	LCSWXF22HGW0	0.025	0.025
PBWXF22HGW0	PBWXF22HGW0	0.025	0.025
OLFS4-MW38-0607	SA3013-009	0.025	0.025

ANALYSIS RUN LOG

Lab Name: Katahdin Analytical Services **SDG Name:** CTO29-1

Instrument ID: THERMO ICAP 6500 **File Name:** IXF26A

Date: 6/26/2007 **Method:** P

Lab Sample ID	Client ID	D.F.	Time	Elements
Blank		1	12:10	AL SB AS BA BE CD CA CR CO CU FE PB MG MN NI K SE AG NA TL V ZN
Std 1		1	12:15	AL SB AS BA BE CD CA CR CO CU FE PB MG MN NI K SE AG NA TL V ZN
ICV		1	12:20	AL SB AS BA BE CD CA CR CO CU FE PB MG MN NI K SE AG NA TL V ZN
ICB		1	12:24	AL SB AS BA BE CD CA CR CO CU FE PB MG MN NI K SE AG NA TL V ZN
PQL		1	12:29	AL SB AS BA BE CD CA CR CO CU FE PB MG MN NI K SE AG NA TL V ZN
ICSA		1	12:33	AL SB AS BA BE CD CA CR CO CU FE PB MG MN NI K SE AG NA TL V ZN
ICSAB		1	12:38	AL SB AS BA BE CD CA CR CO CU FE PB MG MN NI K SE AG NA TL V ZN
CCV 1		1	12:43	AL SB AS BA BE CD CA CR CO CU FE PB MG MN NI K SE AG NA TL V ZN
CCB 1		1	12:47	AL SB AS BA BE CD CA CR CO CU FE PB MG MN NI K SE AG NA TL V ZN
ZZZZZZ		1	12:52	
ZZZZZZ		1	12:56	
PBWXF18ICW2		1	13:01	AL SB AS BA BE CD CA CR CO CU FE PB MG MN NI K SE AG NA TL V ZN
LCSWXF18ICW2		1	13:05	AL SB AS BA BE CD CA CR CO CU FE PB MG MN NI K SE AG NA TL V ZN
SA3013-017	OLFS4-MW44-0607	1	13:10	AL SB AS BA BE CD CA CR CO CU FE PB MG MN NI K SE AG NA TL V ZN
SA3013-019	OLFS4-MW42-0607	1	13:15	AL SB AS BA BE CD CA CR CO CU FE PB MG MN NI K SE AG NA TL V ZN
SA3013-021	OLFS4-MW43-0607	1	13:19	AL SB AS BA BE CD CA CR CO CU FE PB MG MN NI K SE AG NA TL V ZN
SA3013-021L	OLFS4-MW43-0607L	5	13:24	AL SB AS BA BE CD CA CR CO CU FE PB MG MN NI K SE AG NA TL V ZN
SA3013-021S	OLFS4-MW43-0607S	1	13:28	AL SB AS BA BE CD CA CR CO CU FE PB MG MN NI K SE AG NA TL V ZN
SA3013-021P	OLFS4-MW43-0607P	1	13:33	AL SB AS BA BE CD CA CR CO CU FE PB MG MN NI K SE AG NA TL V ZN
CCV 2		1	13:37	AL SB AS BA BE CD CA CR CO CU FE PB MG MN NI K SE AG NA TL V ZN
CCB 2		1	13:42	AL SB AS BA BE CD CA CR CO CU FE PB MG MN NI K SE AG NA TL V ZN
PBWXF18ICW3		1	13:46	AL SB AS BA BE CD CA CR CO CU FE PB MG MN NI K SE AG NA TL V ZN
LCSWXF18ICW3		1	13:51	AL SB AS BA BE CD CA CR CO CU FE PB MG MN NI K SE AG NA TL V ZN
ZZZZZZ		1	13:56	
ZZZZZZ		1	14:00	
ZZZZZZ		1	14:05	
ZZZZZZ		1	14:09	
ZZZZZZ		1	14:14	
ZZZZZZ		1	14:19	
ZZZZZZ		1	14:23	
ZZZZZZ		1	14:28	
CCV 3		1	14:33	AL SB AS BA BE CD CA CR CO CU FE PB MG MN NI K SE AG NA TL V ZN
CCB 3		1	14:37	AL SB AS BA BE CD CA CR CO CU FE PB MG MN NI K SE AG NA TL V ZN
ZZZZZZ		1	14:42	
ZZZZZZ		1	14:47	
ZZZZZZ		1	14:51	
ZZZZZZ		1	14:56	
SA3013-001	OLFS4-MW40-0607	1	15:01	AL SB AS BA BE CD CA CR CO CU FE PB MG MN NI K SE AG NA TL V ZN
SA3013-001L	OLFS4-MW40-0607L	5	15:05	AL SB AS BA BE CD CA CR CO CU FE PB MG MN NI K SE AG NA TL V ZN
SA3013-001S	OLFS4-MW40-0607S	1	15:10	AL SB AS BA BE CD CA CR CO CU FE PB MG MN NI K SE AG NA TL V ZN
SA3013-001P	OLFS4-MW40-0607P	1	15:14	AL SB AS BA BE CD CA CR CO CU FE PB MG MN NI K SE AG NA TL V ZN
SA3013-003	OLFS4-MW37-0607	1	15:19	AL SB AS BA BE CD CA CR CO CU FE PB MG MN NI K SE AG NA TL V ZN
SA3013-005	OLFS4-MW37-0607-D	1	15:24	AL SB AS BA BE CD CA CR CO CU FE PB MG MN NI K SE AG NA TL V ZN
CCV 4		1	15:28	AL SB AS BA BE CD CA CR CO CU FE PB MG MN NI K SE AG NA TL V ZN
CCB 4		1	15:33	AL SB AS BA BE CD CA CR CO CU FE PB MG MN NI K SE AG NA TL V ZN
SA3013-007	OLFS4-MW39-0607	1	15:37	AL SB AS BA BE CD CA CR CO CU FE PB MG MN NI K SE AG NA TL V ZN
SA3013-009	OLFS4-MW38-0607	1	15:42	AL SB AS BA BE CD CA CR CO CU FE PB MG MN NI K SE AG NA TL V ZN
ZZZZZZ		1	15:47	
ZZZZZZ		1	15:51	
SA3013-011	OLFS4-MW41-0607	1	15:56	AL SB AS BA BE CD CA CR CO CU FE PB MG MN NI K SE AG NA TL V ZN

FORM XIV - IN

ANALYSIS RUN LOG

Lab Name: Katahdin Analytical Services **SDG Name:** CTO29-1

Instrument ID: THERMO ICAP 6500 **File Name:** IXF26A

Date: 6/26/2007 **Method:** P

Lab Sample ID	Client ID	Dil.	Time	Elements																
SA3013-013	OLFS4-MW45-0607	1	16:00	AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	NI	K	SE	AG	NA	TL	V	ZN
SA3013-015	OLFS4-MW46-0607	1	16:05	AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	NI	K	SE	AG	NA	TL	V	ZN
PQL		1	16:10	AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	NI	K	SE	AG	NA	TL	V	ZN
ICSA		1	16:14	AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	NI	K	SE	AG	NA	TL	V	ZN
ICSAB		1	16:19	AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	NI	K	SE	AG	NA	TL	V	ZN
CCV		1	16:24	AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	NI	K	SE	AG	NA	TL	V	ZN
CCB		1	16:28	AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	NI	K	SE	AG	NA	TL	V	ZN

FORM XIV - IN

ANALYSIS RUN LOG

Lab Name: Katahdin Analytical Services **SDG Name:** CTO29-1

Instrument ID: CETAC M6100 **File Name:** HXF21A

Date: 6/21/2007 **Method:** CV

Lab Sample ID	Client ID	D.F.	Time	Elements
Calibration Blank		1	8:06	Hg
Standard #1 (0.2 p		1	8:08	Hg
Standard #2 (0.5 p		1	8:10	Hg
Standard #3 (1.0 p		1	8:12	Hg
Standard #4 (5.0 p		1	8:15	Hg
Standard #5 (10.0		1	8:17	Hg
ICV		1	8:19	HG
ICB		1	8:21	HG
PQL		1	8:23	HG
LCSWXF20HGW0		1	8:25	HG
PBWXF20HGW0		1	8:27	HG
ZZZZZZ		1	8:29	
CCV 1		1	8:31	HG
CCB 1		1	8:34	HG
ZZZZZZ		1	8:36	
ZZZZZZ		1	8:38	
ZZZZZZ		1	8:40	
ZZZZZZ		1	8:42	
ZZZZZZ		1	8:44	
ZZZZZZ		1	8:46	
CCV 2		1	8:48	HG
CCB 2		1	8:51	HG
ZZZZZZ		1	8:53	
SA3013-001	OLFS4-MW40-0607	1	8:55	HG
SA3013-001P	OLFS4-MW40-0607P	1	8:57	HG
SA3013-001S	OLFS4-MW40-0607S	1	8:59	HG
SA3013-003	OLFS4-MW37-0607	1	9:01	HG
SA3013-005	OLFS4-MW37-0607-D	1	9:03	HG
SA3013-007	OLFS4-MW39-0607	1	9:05	HG
SA3013-011	OLFS4-MW41-0607	1	9:08	HG
SA3013-013	OLFS4-MW45-0607	1	9:10	HG
SA3013-015	OLFS4-MW46-0607	1	9:12	HG
CCV 3		1	9:14	HG
CCB 3		1	9:16	HG
SA3013-017	OLFS4-MW44-0607	1	9:18	HG
SA3013-019	OLFS4-MW42-0607	1	9:20	HG
SA3013-021	OLFS4-MW43-0607	1	9:22	HG
CCV 4		1	9:25	HG
CCB 4		1	9:27	HG
SA3013-001L	OLFS4-MW40-0607L	5	9:29	HG
CCV		1	9:31	HG
CCB 5		1	9:33	HG

FORM XIV - IN

ANALYSIS RUN LOG

Lab Name: Katahdin Analytical Services **SDG Name:** CTO29-1

Instrument ID: CETAC M6100 **File Name:** HXF25A

Date: 6/25/2007 **Method:** CV

Lab Sample ID	Client ID	D.F.	Time	Elements
Calibration Blank		1	12:04	Hg
Standard #1 (0.2 p		1	12:06	Hg
Standard #2 (0.5 p		1	12:09	Hg
Standard #3 (1.0 p		1	12:11	Hg
Standard #4 (5.0 p		1	12:13	Hg
Standard #5 (10.0		1	12:15	Hg
ICV		1	12:17	HG
ICB		1	12:19	HG
PQL		1	12:21	HG
LCSWXF22HGW0		1	12:23	HG
PBWXF22HGW0		1	12:25	HG
ZZZZZZ		1	12:28	
ZZZZZZ		1	12:30	
ZZZZZZ		1	12:32	
SA3013-009	OLFS4-MW38-0607	1	12:34	HG
ZZZZZZ		1	12:36	
ZZZZZZ		1	12:38	
ZZZZZZ		1	12:40	
CCV		1	12:42	HG
CCB		1	12:45	HG

FORM XIV - IN

SAUFLEY
WATER DATA
CTO29-1

FRACTION	CHEMICAL	OLFS4-MW37-0607	UNITS	OLFS4-MW37-0607-D	RPD	D
M	ALUMINUM 300	65.1 J	UG/L	31.3 J	**70.12**	33.80
M	BARIUM 5	62.1	UG/L	61.8	0.48	0.30
M	CALCIUM 50	4180	UG/L	4290	2.60	110.00
M	CHROMIUM 15	5.4	UG/L	2.8	**63.41**	2.60
M	COBALT 30	6.3	UG/L	7	10.53	0.70
M	IRON 100	708	UG/L	668	5.81	40.00
M	LEAD 5.0	ND	UG/L	1.8	NC	NC
M	MAGNESIUM 50	3860	UG/L	3980	3.06	120.00
M	MANGANESE 5.0	310	UG/L	340	9.23	30.00
M	NICKEL 40	8.7	UG/L	8.3	4.71	0.40
M	POTASSIUM 1000	2010	UG/L	1940	3.54	70.00
M	SODIUM 1000	4250	UG/L	4210	0.95	40.00

Current RPD Quality Control Limit: 30 %.
Shaded cells indicate RPDs that exceed the applicable quality control limit.
ND = Compound not detected.
NC = Statistic not calculated

SRV: SA3013-015 = OLF54-MW46-0607

[Cr] = 330 ug/L as reported by the laboratory

SA3013-015

Acquire Date: 26-Jun-2007 4:05 pm Sample Type: Unknown

Elem	Avg	Units	Stddev	%RSD
Ag3280	.0027	ug/L	0.2242	8,175.8765
Al3961	494.4	ug/L	8.6064	1.7407
As1891	.9748	ug/L	0.2791	28.6335
B_2089	145.5	ug/L	0.0803	0.0552
Ba4554	95.98	ug/L	0.6118	0.6375
Be3130	.0260	ug/L	0.0398	153.0223
Ca3158	90710.	ug/L	702.5863	0.7746
Cd2265	-.1700	ug/L	0.0500	29.4330
Co2286	9.324	ug/L	0.2302	2.4693
Cr2677	329.9	ug/L	2.9858	0.9051
Cu3273	15.86	ug/L	0.0275	0.1732
Fe2599	2075.	ug/L	14.0937	0.6792
K_7664	26840.	ug/L	75.3946	0.2809
Mg2852	8240.	ug/L	44.2129	0.5365
Mn2576	1119.	ug/L	11.2618	1.0068
Mo2020	10.90	ug/L	0.1624	1.4903
Na5895	58730.	ug/L	520.1166	0.8856
Ni2316	174.3	ug/L	0.0011	0.0007
Pb2203	1.578	ug/L	1.4003	88.7237
Sb2068	-1.691	ug/L	0.4790	28.3217
Se1960	1.684	ug/L	0.3782	22.4537
Si2516	4600.	ug/L	45.6430	0.9923
Sn1899	.7994	ug/L	0.0459	5.7404
Sr4215	762.7	ug/L	2.7529	0.3610
Ti3349	.8426	ug/L	0.2440	28.9528
Tl1908	-.1961	ug/L	0.3778	192.6861
V_2924	3.723	ug/L	0.1401	3.7622
Zn2062	7.882	ug/L	0.2114	2.6815
Y_2243	4984.1	Cts/S	2.4731	0.0496
Y_3600	15094.	Cts/S	76.7459	0.5084
Y_3600	130550.	Cts/S	70.4244	0.0539

ANALYTICAL DATA PACKAGE
SDG # CTOJM29_002

PROJECT NAME: SAUFLEY FIELD SITE 4 CTOJM29
PROJECT LOCATION: PENSACOLA, FL
CONTRACT #: N62470-08-D-1001

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Original Report Date: May 10, 2011
Report Revision #: N/A
Revision Date: N/A
Total # of Pages: 829

THIS DOCUMENT MEETS DoD QSM 4.1 STANDARDS

The results relate to only the samples associated with the referenced SDG and the submitted data has been produced in accordance with laboratory procedures. The Laboratory's Technical Lab Director, Mr. Rick Davis, is responsible for the final data produced and reported. His signature is listed at the end of the Case Narrative within the Analytical Data Package. If applicable to this report package, details on report revisions and the information on subcontracted analysis are listed in the package Case Narrative. *This report shall not be reproduced, except in full, without the written approval of Empirical Laboratories, LLC.*

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Sample Delivery Group Case Narrative

Receipt Information
The samples were received within the preservation guidelines for the associated methods. The information associated with sample receipt and the Sample Delivery Group (SDG) are included within section 4 of this package, which also provides information on the link between the client sample ID listed on the COC and laboratory's assigned unique sample ID or WorkOrder #. The sample is tracked through the laboratory for all analysis via the assigned WorkOrder #.

All samples that were received were analyzed and none of the samples were placed on hold without analyses. There were no subcontracted analyses for this SDG.

Changes to the Revision
This is an original submittal of the final report package.

Analytical Information
All samples were prepped (where applicable) and analyzed within the standard allowed holding times, unless noted within the exceptions listed below. The laboratory analyzed all samples within the program and method guidelines. The following information is provided specific to individual methods:

Chromatographic Flags for Manual Integration:
The following letters are used to denote manual integrations on the laboratory's raw data in association with chromatographic integrations:

A: The peak was manually integrated as it was not integrated in the original chromatogram.
B: The peak was manually integrated due to resolution or coelution issues in the original chromatogram.
C: The peak was manually integrated to correct the baseline from the original chromatogram.
D: The peak was manually integrated to identify the correct peak as the wrong peak was identified in the original chromatogram.
E: The peak was manually integrated to include the entire peak as the original chromatogram only integrated part of the peak.

SW8260B:
The surrogate 1,2-Dichloroethane-d4 exceeded criteria with a positive bias in 1D22024-BLK1.

The method blank 1D22008-BLK1 has a positive result for 1,2,4-Trichlorobenzene.

The continuing calibration verification 1D11511-CCV1 exceeded criteria with a positive bias for 1,1-Dichloroethane and 1,2-Dichloropropane.

No additional anomalies or deviations are noted and the proper data qualifiers have

been applied.

SW8270C:
The surrogate 2-Fluorophenol exceeded criteria with a positive bias in sample 1104207-09.

No additional anomalies or deviations are noted and the proper data qualifiers have been applied.

FLPRO:
The surrogate o-Terphenyl exceeded criteria with a negative bias in 1D19026-BLK1, -BS1, and –BSD1. The surrogate 2-Fluorophenol exceeded the retention time window in 1D19026-BLK1, 1D20020-BLK1, 110427-03, -04, -05, -07, -08, and -09. The surrogate o-Terphenyl exceeded the retention time window criteria in 1104207-04, -07, -08, and -09. The result bias due to the retention time shift was determined to be negligible for the associated samples and batch QC.

No additional anomalies or deviations are noted and the proper data qualifiers have been applied.

SW6010C:
Sample 1104207-10 (FB04151101) for dissolved SW6010C was lab filtered and preserved.

The batch spike associated to batch 1E04007 exceeded criteria with a positive bias for Iron.

No additional anomalies or deviations are noted and the proper data qualifiers have been applied.

Wet Chemistry:
Sample 1104207-09 was received after the EPA recommended holding times for Biochemical Oxygen Demand, Nitrate as N, and Nitrite as N.

The continuing calibration verification 1E12705-CCV2 exceeded criteria with a positive bias for Sulfate as SO4.

No additional anomalies or deviations are noted and the proper data qualifiers have been applied.

Data Qualifiers
As applicable and where required, the following general qualifiers are associated with the sample results. Additional qualifiers will be specified within the reporting sections of the data package or within the body of the Case Narrative.

Analytical Report Terms and Qualifiers

MDL: The method detection limit (MDL) is defined as the minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero. The MDL is determined from analysis of a sample containing the analyte in a given matrix. For DoD QSM 4.1 reporting purposes, this definition is also applied to the reported Detection Limit (DL).

LOD: The Limit of Detection is an estimate of the minimum amount of a substance that an analytical process can reliably detect. An LOD is analyte- and matrix-specific and may be laboratory-dependent. This definition is further clarified in the DoD QSM 4.1 revisions as the smallest amount or concentration of a substance that must be present in a sample in order to be detected at a high level of confidence (99%). At the LOD, the false negative rate (Type II error) is 1%.

LOQ: The Limit of Quantitation is the minimum level, concentration, or quantity of a target variable (e.g., target analyte) that can be reported with a specified degree of confidence. This term is further clarified within the DoD QSM 4.1 as the lowest concentration that produces a quantitative result within specified limits of precision and bias.

*****: An exceeding quality control criteria is associated with the reported result.

B: The presence of a "B" to the right of an analytical value indicates that this compound was also detected in the method blank and the data should be interpreted with caution. One should consider the possibility that the correct sample result might be less than the reported result and, perhaps, zero. **For Florida DEP reports this qualifier is "V".**

D: When a sample (or sample extract) is rerun diluted because one of the compound concentrations exceeded the highest concentration range for the standard curve, all of the values obtained in the dilution run will be flagged with a "D".

E: The concentration for any compound found which exceeds the highest concentration level on the standard curve for that compound will be flagged with an "E". Usually the sample will be rerun at a dilution to quantitate the flagged compound. **For Florida DEP reports this qualifier is "L".**

H1: The result was analyzed outside of the EPA recommended holding time.

H2: The result was extracted outside of the EPA recommended holding time.

H3: The sample for this analyte was received outside of the EPA recommended holding time.

J: The presence of a "J" to the right of an analytical result indicates that the reported result is estimated. The mass spectral data pass the identification criteria showing that the compound is present, but the calculated result is less than the EQL. One should feel confident that the result is greater than zero and less than the EQL. **For Florida DEP reports this qualifier is "I".**

M: Indicates that the sample matrix interfered with the quantitation of the analyte. In dual column analysis the result is reported from the column with the lower concentration. In inorganics, it indicates that the parameters MDL/RL has been raised.

N: The MS/MSD accuracy and/or precision are outside criteria. The predigested spike recovery is not within control limits for the associated parameter.

P: The associated numerical value is an estimated quantity. There is greater than a 40% difference between the two GC columns for the detected concentrations. The higher of the two values is reported unless matrix interference is obvious or for HPLC analysis where the primary column is reported.

Q: The RPD and/or percent recovery exceeded limits in the associated Blank Spike and/or Blank Spike Duplicate.

S: The associated internal standard failed criteria.

U: The presence of a "U" indicates that the analyte was analyzed for but was not detected or the concentration of the analyte quantitated below the DL.

X: The parameter shows a potential positive bias on a reported concentration due to an ICV or CCV exceeding the upper control limit on the high side.

Y: The parameter shows a potential negative bias on a reported concentration due to an ICV or CCV exceeding the lower control limit on the low side.

Z: The parameter shows lack of confirmation/detection, which may be due to a negative bias in the ICV or CCV which exceeds the lower control limit.

LIMS Definitions / Naming Conventions:

The following are general naming conventions that are used throughout the laboratory; however, on a method by method basis, there are additional QAQC items that are named in a consistent format.

BLK: LIMS assigns a unique identifier to the Method Blank by naming it as the letters BLK appended to the Batch ID. A Method Blank is an analyte-free matrix to which all reagents are added in the same volumes or proportions as used in sample processing. The Method Blank is used to assess for possible contamination during preparation and/or analysis steps. Method Blanks within a Batch or Analytical sequence will be appended with a numerical value beginning with 1 that will increase incrementally.

BS: LIMS assigns a unique identifier to the Blank Spike by naming it as the letters BS appended to the Batch ID. The Blank Spike or Lab Control Sample is a controlled analyte-free matrix, which is spiked with known and verified concentrations of target analytes. Spiking concentrations can be referenced in the method SOP. The BS is used to evaluate the viability of analytes taken through the entire prep (when applicable) and analytical process. Blank Spikes within a Batch or Analytical sequence will be appended with a numerical value beginning with 1 that will increase incrementally. A duplicate Blank Spike will be designated as a BSD.

MS: The LIMS assigns each Client sample with a unique identifier. The Matrix Spike is designated with a MS at the end of the sample's unique identifier. The Matrix Spike sample is used to assess the effect of the sample matrix on the precision and accuracy of the results generated using the selected method. A duplicate Matrix Spike will be designated as a MSD.

IDs: The LIMS assigns each Client sample with a unique identifier. The letter "RE" may potentially be appended to the end of the LIMS Sample ID. And "**RE"** implies that the sample was either re-prepped, re-analyzed straight, or re-analyzed at a dilution. Subsequent re-analysis for the sample will be appended with a numerical value beginning with 1 that will increase incrementally. Eg: RE1, RE2, RE3, etc.

Statement of Data Authenticity:
I certify that, based upon my inquiry of those individuals immediately responsible for obtaining the information and to the best of my knowledge, the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, with the exception of the conditions detailed in this Case Narrative, as verified by my signature below. During absences, Ms. Marcia K. McGinnity is authorized to sign this Statement of Data Authenticity.

_____
Mr. Rick D. Davis
Laboratory Technical Director / VP Operations

Organic Calculations:

GC/MS Volatiles

$$\text{Final Concentration} = \frac{\text{On-column(ug/L or ug/Kg)} * \text{Expected Vol/Weight (mL or g)} * \text{Dilution}}{\text{Initial Vol/Weight (mL or g)} * (\text{Percent Solids}/100) \text{ (if applicable)}}$$

Note - Expected Vol/Weight value is found in "Final Vol" column of Preparation Batch Summary.

GC/MS Extractables

$$\text{Final Concentration} = \frac{\text{On-column(ng/uL)} * \text{Final Vol (ml)} * \text{Dilution} * (1000\text{uL/mL})}{\text{Initial Vol/Weight (mL or g)} * (\text{Percent Solids}/100) \text{ (if applicable)}}$$

= ng/mL or ng/g
= ug/L or ug/kg

GC or LC Extractables

$$\text{Final Concentration} = \frac{\text{On-column(ng/mL)} * \text{Final Vol (mL)} * \text{Dilution}}{\text{Initial Vol/Weight (mL or g)} * (\text{Percent Solids}/100) \text{ (if applicable)}}$$

= ng/mL or ng/g
= ug/L or ug/kg

Sample Receipt Information

TETRA TECH NUS, INC. | CHAIN OF CUSTODY | NUMBER | PAGE ____ OF _____

PROJECT NO:	SITE NAME:	PROJECT MANAGER AND PHONE NUMBER	LABORATORY NAME AND CONTACT:
112G00389	Sanford Field Site 4	Gerry Walker 850-385-9894	Empirical Laboratories
SAMPLERS (SIGNATURE)		FIELD OPERATIONS LEADER AND PHONE NUMBER: Amber Iga 850-322-9033	ADDRESS: 621 Mainstream Drive Suite 270
		CARRIER/WAYBILL NUMBER: 8748 4755 5688	CITY, STATE: Nashville TN, 37228

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

DATE YEAR 2011	TIME	SAMPLE ID	MATRIX	GRAB (G) COMP (C)	No. OF CONTAINERS	CONTAINER TYPE PLASTIC (P) or GLASS (G)										
						PRESERVATIVE USED	HCL	HCL	Ice	HNO_3						
						TYPE OF ANALYSIS	TAL VOCs	TRPH	LL SVOCs	Aluminum, Iron, Chromium, Manganese, Nickle	Total metals Fe only	Dissolved metals Fe only	8260	8270	Anions, Alk, Sulfide	COMMENTS
4/14	1900	OLFS4 mw46S	GW	G	1				1							1104207-01
4/14	0000	FD041402	GW	G	1				1							-02
4/15	0643	OLFS4 mw140	GW	G	7	3	2	2								-03
4/15	0000	FD041511101	GW	G	7	3	2	2								-04
4/15	0810	OLFS4 mw31S	GW	G	7	3	2	2								-05
4/15	0923	OLFS4 mw290	GW	G	7	3	2	2								-06
4/15	1045	OLF-S4 mw020	GW	G	7	3	2	2								-07
4/15	1143	OLF-S4 mw035	GW	G	7	3	2	2								-08
4/15	1450	FB041511101	GW	G	14	3	2	2	1	1	1	1/1	1/1			-09, -10
	1558	TB041511101	GW	G	3	3										-11 -10
																4-14-11 CP

1. RELINQUISHED BY	DATE	TIME	1. RECEIVED BY	DATE	TIME
	4/15/11	1640			
2. RELINQUISHED BY	DATE	TIME	2. RECEIVED BY	DATE	TIME
3. RELINQUISHED BY	DATE	TIME	3. RECEIVED BY	DATE	TIME
			3.3°C	4-18-11	15:45

COMMENTS: TAL VOCs not full 8260 see attached list

DISTRIBUTION: WHITE (ACCOMPANIES SAMPLE) YELLOW (FIELD COPY) PINK (FILE COPY) 3,4-dc (OCSI)

3/99
FORM NO. TtNUS-001

10

CTOJM29_002

EMPIRICAL LABORATORIES
COOLER RECEIPT FORM

LIMS Number: 1104207 Number of Coolers: 1 of 1

Client: Tetra Tech NUS, INC Project: Scurfield Field Site 4

Date/Time Received: 4-18-11/1315:45 Date cooler(s) opened: 4-18-11

Opened By (print): Chris Donald CD 4-18-11 (signature):

Circle response below as appropriate

1. How did the samples arrive? (FedEx) UPS DHL Hand Delivered
EL Courier Other: _____

If applicable, enter airbill number here: N/A

2. Were custody seals on outside of cooler(s)? ..... (Yes) No

How many: 1 Seal date: 4-15-11 Seal Initials: ?

3. Were custody seals unbroken and intact at the date and time of arrival? ..... (Yes) No N/A
4. Were custody papers sealed in a plastic bag included in the sample cooler? ..... (Yes) No N/A
5. Were custody papers filled out properly (ink, signed, etc.)? ..... (Yes) No N/A
6. Did you sign custody papers in the appropriate place for acceptance? ..... (Yes) No N/A
7. Was project identifiable from custody papers? ..... (Yes) No N/A
8. If required, was enough ice present in the cooler(s)? ..... Yes No N/A

Type of Coolant: (WET) DRY BLUE NONE

Temperature of Samples upon Receipt: Initial Value: 3.6 °C Correction Factor: -0.3 °C Final Value: 3.3 °C

Dates samples were logged-in: 4-19-11

9. Initial this form to acknowledge login of sample(s): (Name): _____ (Initial): _____
10. Were all bottle lids intact and sealed tightly? ..... (Yes) No N/A
11. Did all bottles arrive unbroken? ..... (Yes) No N/A
12. Was all required bottle label information complete? ..... (Yes) No N/A
13. Did all bottle labels agree with custody papers? ..... (Yes) No N/A
14. Were correct containers used for the analyses indicated? ..... (Yes) No N/A
15. Were preservative levels correct in all applicable sample containers? ..... (Yes) No N/A
16. Was residual chlorine present in any applicable sample containers? ..... Yes No (N/A)
17. Was sufficient amount of sample sent for the analyses required? ..... (Yes) No N/A
18. Was headspace present in any included VOA vials? ..... Yes (No) N/A

If Non-Conformance issues were present, list by sample ID: _____

WORK ORDER

1104207

Printed: 5/10/2011 3:42:25PM

Empirical Laboratories, LLC

Client: Tetra Tech NUS, Inc. (T010)
Project: Saufley Field Site 4 CTOJM29

Project Manager: Brian Richard
Project Number: Saufley Field Site 4 CTOJM29

Report To:
Tetra Tech NUS, Inc. (T010)
Tobrena Skeen
Foster Plaza 7, 661 Anderson Drive
Pittsburgh, PA 15220
Phone: (412) 921-8182
Fax: (412) 921-4040

Invoice To:
Tetra Tech NUS, Inc. (T010)
Accounts Payable
661 Andersen Drive
Pittsburgh, PA 15220-2745
Phone :(412) 921-8182
Fax: (412) 921-4040

Date Due: 05/05/2011 16:00 (12 day TAT)

Received By: Chris Donald
Logged In By: Chris Donald

Date Received: 04/18/2011 15:45
Date Logged In 04/19/2011 08:36

Samples Received at: **3°C**

Custody Seals	Yes	Received On Ice	Yes
Containers Intact	Yes		
COC/Labels Agree	Yes		
Preservation Confir	Yes		

Analysis	Due	TAT	Expires	Version	Comments
1104207-01 OLFS4 MW46S [Water] Sampled 04/14/2011 19:00 Eastern					
SW6010C	05/05/2011 14:00	12	10/11/2011 18:00		
1104207-02 FD04141102 [Water] Sampled 04/14/2011 00:00 Eastern					
SW6010C	05/05/2011 14:00	12	10/10/2011 23:00		
1104207-03 OLFS4 MW14D [Water] Sampled 04/15/2011 06:43 Eastern					
SW8270C	05/05/2011 14:00	12	04/22/2011 05:43		
FLPRO	05/05/2011 14:00	12	04/22/2011 05:43		
SW8260B	05/05/2011 14:00	12	04/29/2011 05:43		

WORK ORDER

1104207

Printed: 5/10/2011 3:42:25PM

Empirical Laboratories, LLC

Client: Tetra Tech NUS, Inc. (T010)
Project: Saufley Field Site 4 CTOJM29

Project Manager: Brian Richard
Project Number: Saufley Field Site 4 CTOJM29

Analysis	Due	TAT	Expires	Version	Comments
1104207-04 FD04151101 [Water] Sampled 04/15/2011 00:00 Eastern					
FLPRO	05/05/2011 14:00	12	04/21/2011 23:00		
SW8270C	05/05/2011 14:00	12	04/21/2011 23:00		
SW8260B	05/05/2011 14:00	12	04/28/2011 23:00		
1104207-05 OLFS4 MW31S [Water] Sampled 04/15/2011 08:10 Eastern					
SW8260B	05/05/2011 14:00	12	04/29/2011 07:10		
FLPRO	05/05/2011 14:00	12	04/22/2011 07:10		
SW8270C	05/05/2011 14:00	12	04/22/2011 07:10		
1104207-06 OLFS4 MW29D [Water] Sampled 04/15/2011 09:23 Eastern					
SW8260B	05/05/2011 14:00	12	04/29/2011 08:23		
FLPRO	05/05/2011 14:00	12	04/22/2011 08:23		
SW8270C	05/05/2011 14:00	12	04/22/2011 08:23		
1104207-07 OLFS4 MW02D [Water] Sampled 04/15/2011 10:45 Eastern					
FLPRO	05/05/2011 14:00	12	04/22/2011 09:45		
SW8270C	05/05/2011 14:00	12	04/22/2011 09:45		
SW8260B	05/05/2011 14:00	12	04/29/2011 09:45		
1104207-08 OLFS4 MW03S [Water] Sampled 04/15/2011 11:43 Eastern					
SW8270C	05/05/2011 14:00	12	04/22/2011 10:43		
FLPRO	05/05/2011 14:00	12	04/22/2011 10:43		
SW8260B	05/05/2011 14:00	12	04/29/2011 10:43		

WORK ORDER

1104207

Printed: 5/10/2011 3:42:25PM

Empirical Laboratories, LLC

Client: Tetra Tech NUS, Inc. (T010)
Project: Saufley Field Site 4 CTOJM29

Project Manager: Brian Richard
Project Number: Saufley Field Site 4 CTOJM29

Analysis	Due	TAT	Expires	Version	Comments
1104207-09 FB04151101 [Water] Sampled 04/15/2011 14:58 Eastern					
FLPRO	05/05/2011 14:00	12	04/22/2011 13:58		
SW8270C	05/05/2011 14:00	12	04/22/2011 13:58		
SW8260B	05/05/2011 14:00	12	04/29/2011 13:58		
SM2320B	05/05/2011 14:00	12	04/29/2011 13:58		
E300.0	05/05/2011 14:00	12	05/13/2011 13:58		Cl SO4
E300.0	05/05/2011 14:00	12	04/17/2011 13:58		NO3 NO2
SM5210B	05/05/2011 14:00	12	04/17/2011 13:58		
E410.4	05/05/2011 14:00	12	05/13/2011 13:58		
SM4500S2CF	05/05/2011 14:00	12	04/22/2011 13:58		
SW6010C	05/05/2011 14:00	12	10/12/2011 13:58		Fe & Mn
1104207-10 FB04151101 [Water] Sampled 04/15/2011 14:58 Eastern					**Lab Filter and Preserve**
SW6010C	05/05/2011 14:00	12	10/12/2011 13:58		Fe & Mn, Lab Filter and Preserve
1104207-11 TB04151101 [Water] Sampled 04/15/2011 15:58 Central					
SW8260B	05/05/2011 14:00	12	04/29/2011 15:58		
1104207-12 OLFS4 MW46S [Water] Sampled 04/14/2011 19:00 Eastern					**Use -01 metals container per BKR**
SW6010C	05/05/2011 14:00	12	10/11/2011 18:00		select metals list, Use -01metals container per BKR
1104207-13 FD04141102 [Water] Sampled 04/14/2011 00:00 Eastern					**Use -02 metals container per BKR**
SW6010C	05/05/2011 14:00	12	10/10/2011 23:00		select metals list, Use -02 metals container per BKR
1104207-14 FB04151101 [Water] Sampled 04/15/2011 14:58 Eastern					**Use -09 metals container per BKR**
SW6010C	05/05/2011 14:00	12	10/12/2011 13:58		select metals list, Use -09 metals container per BKR

Sample Delivery Group Assignment Form

CLIENT: Tetra Tech NUS, Inc. (T010)
PROJECT NAME: Saufley Field Site 4 CTOJM29
SDG #: CTOJM29_002
MATRIX: Ground Water

QC LEVEL: Level IV
Report Due: 5/5/2011
Client Sample Count: 13

Sample Type	Sampled	Received	Lab ID	Client ID	E300.0	E410.4	FLPRO	SM2320B	SM4500S2CF	SM5210B	SW6010C	SW8260B	SW8270C
Client Sample	4/14/2011	4/18/2011	1104207-01	OLFS4 MW46S							X		
Client Sample	4/14/2011	4/18/2011	1104207-02	FD04141102							X		
Client Sample	4/15/2011	4/18/2011	1104207-03	OLFS4 MW14D			X					X	X
Client Sample	4/15/2011	4/18/2011	1104207-04	FD04151101			X					X	X
Client Sample	4/15/2011	4/18/2011	1104207-05	OLFS4 MW31S			X					X	X
Client Sample	4/15/2011	4/18/2011	1104207-06	OLFS4 MW29D			X					X	X
Client Sample	4/15/2011	4/18/2011	1104207-07	OLFS4 MW02D			X					X	X
Client Sample	4/15/2011	4/18/2011	1104207-08	OLFS4 MW03S			X					X	X
Client Sample	4/15/2011	4/18/2011	1104207-09	FB04151101	X	X	X	X	X	X	X	X	X
Client Sample	4/15/2011	4/18/2011	1104207-10	FB04151101							Lab Filter and Preserve		
Trip Blank	4/15/2011	4/18/2011	1104207-11	TB04151101								X	
Client Sample	4/14/2011	4/18/2011	1104207-12	OLFS4 MW46S							Use -01 metals container per BKR		
Client Sample	4/14/2011	4/18/2011	1104207-13	FD04141102							Use -02 metals container per BKR		
Client Sample	4/15/2011	4/18/2011	1104207-14	FB04151101							Use -09 metals container per BKR		

Data for SW8260B Forms

ANALYSIS DATA SHEET

OLFS4 MW14D

Laboratory: Empirical Laboratories, LLC SDG: CTOJM29_002

Client: Tetra Tech NUS, Inc. (T010) Project: Saufley Field Site 4 CTOJM29

Matrix: Ground Water Laboratory ID: 1104207-03 File ID: 0420703.D

Sampled: 04/15/11 06:43 Prepared: 04/22/11 00:00 Analyzed: 04/23/11 14:26

Solids: Preparation: 5030B Dilution: 1

Batch: 1D22024 Sequence: 1D11618 Calibration: 1110001 Instrument: MS-VOA5

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
71-43-2	Benzene		0.250	0.500	1.00	U
56-23-5	Carbon tetrachloride		0.250	0.500	1.00	U
108-90-7	Chlorobenzene		0.250	0.500	1.00	U
75-00-3	Chloroethane		0.500	1.00	2.00	U
110-75-8	2-Chloroethyl vinyl ether		1.25	2.50	5.00	U
124-48-1	Dibromochloromethane		0.250	0.500	1.00	U
95-50-1	1,2-Dichlorobenzene		0.250	0.500	1.00	U
541-73-1	1,3-Dichlorobenzene		0.250	0.500	1.00	U
106-46-7	1,4-Dichlorobenzene		0.250	0.500	1.00	U
75-34-3	1,1-Dichloroethane		0.250	0.500	1.00	U
107-06-2	1,2-Dichloroethane		0.250	0.500	1.00	U
75-35-4	1,1-Dichloroethene		0.250	0.500	1.00	U
156-59-2	cis-1,2-Dichloroethene		0.250	0.500	1.00	U
156-60-5	trans-1,2-Dichloroethene		0.250	0.500	1.00	U
78-87-5	1,2-Dichloropropane		0.250	0.500	1.00	U
10061-01-5	cis-1,3-Dichloropropene		0.250	0.500	1.00	U
10061-02-6	trans-1,3-Dichloropropene		0.250	0.500	1.00	U
100-41-4	Ethylbenzene		0.250	0.500	1.00	U
98-82-8	Isopropylbenzene		0.250	0.500	1.00	U
75-09-2	Methylene chloride	0.649	0.500	1.00	2.00	I
1634-04-4	Methyl t-Butyl Ether		0.250	0.500	1.00	U
79-34-5	1,1,2,2-Tetrachloroethane		0.250	0.500	1.00	U
127-18-4	Tetrachloroethene		0.250	0.500	1.00	U
108-88-3	Toluene		0.250	0.500	1.00	U
120-82-1	1,2,4-Trichlorobenzene		0.250	0.500	1.00	U
79-00-5	1,1,2-Trichloroethane		0.250	0.500	1.00	U
71-55-6	1,1,1-Trichloroethane		0.250	0.500	1.00	U
79-01-6	Trichloroethene		0.250	0.500	1.00	U
75-01-4	Vinyl chloride		0.250	0.500	1.00	U
1330-20-7	Xylenes (total)		0.750	1.50	3.00	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	30.52	102	75 - 120	
Dibromofluoromethane	30.00	30.00	100	85 - 115	
1,2-Dichloroethane-d4	30.00	30.76	103	70 - 120	
Toluene-d8	30.00	31.28	104	85 - 120	

ANALYSIS DATA SHEET

FD04151101

Laboratory: Empirical Laboratories, LLC SDG: CTOJM29_002

Client: Tetra Tech NUS, Inc. (T010) Project: Saufley Field Site 4 CTOJM29

Matrix: Ground Water Laboratory ID: 1104207-04 File ID: 0420704.D

Sampled: 04/15/11 00:00 Prepared: 04/22/11 00:00 Analyzed: 04/23/11 14:52

Solids: Preparation: 5030B Dilution: 1

Batch: 1D22024 Sequence: 1D11618 Calibration: 1110001 Instrument: MS-VOA5

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
71-43-2	Benzene		0.250	0.500	1.00	U
56-23-5	Carbon tetrachloride		0.250	0.500	1.00	U
108-90-7	Chlorobenzene		0.250	0.500	1.00	U
75-00-3	Chloroethane		0.500	1.00	2.00	U
110-75-8	2-Chloroethyl vinyl ether		1.25	2.50	5.00	U
124-48-1	Dibromochloromethane		0.250	0.500	1.00	U
95-50-1	1,2-Dichlorobenzene		0.250	0.500	1.00	U
541-73-1	1,3-Dichlorobenzene		0.250	0.500	1.00	U
106-46-7	1,4-Dichlorobenzene		0.250	0.500	1.00	U
75-34-3	1,1-Dichloroethane		0.250	0.500	1.00	U
107-06-2	1,2-Dichloroethane		0.250	0.500	1.00	U
75-35-4	1,1-Dichloroethene		0.250	0.500	1.00	U
156-59-2	cis-1,2-Dichloroethene		0.250	0.500	1.00	U
156-60-5	trans-1,2-Dichloroethene		0.250	0.500	1.00	U
78-87-5	1,2-Dichloropropane		0.250	0.500	1.00	U
10061-01-5	cis-1,3-Dichloropropene		0.250	0.500	1.00	U
10061-02-6	trans-1,3-Dichloropropene		0.250	0.500	1.00	U
100-41-4	Ethylbenzene		0.250	0.500	1.00	U
98-82-8	Isopropylbenzene		0.250	0.500	1.00	U
75-09-2	Methylene chloride		0.500	1.00	2.00	U
1634-04-4	Methyl t-Butyl Ether		0.250	0.500	1.00	U
79-34-5	1,1,2,2-Tetrachloroethane		0.250	0.500	1.00	U
127-18-4	Tetrachloroethene		0.250	0.500	1.00	U
108-88-3	Toluene		0.250	0.500	1.00	U
120-82-1	1,2,4-Trichlorobenzene		0.250	0.500	1.00	U
79-00-5	1,1,2-Trichloroethane		0.250	0.500	1.00	U
71-55-6	1,1,1-Trichloroethane		0.250	0.500	1.00	U
79-01-6	Trichloroethene		0.250	0.500	1.00	U
75-01-4	Vinyl chloride		0.250	0.500	1.00	U
1330-20-7	Xylenes (total)		0.750	1.50	3.00	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	30.50	102	75 - 120	
Dibromofluoromethane	30.00	30.93	103	85 - 115	
1,2-Dichloroethane-d4	30.00	30.14	100	70 - 120	
Toluene-d8	30.00	31.06	104	85 - 120	

ANALYSIS DATA SHEET

OLFS4 MW31S

Laboratory: Empirical Laboratories, LLC SDG: CTOJM29_002

Client: Tetra Tech NUS, Inc. (T010) Project: Saufley Field Site 4 CTOJM29

Matrix: Ground Water Laboratory ID: 1104207-05 File ID: 0420705.D

Sampled: 04/15/11 08:10 Prepared: 04/22/11 00:00 Analyzed: 04/23/11 15:17

Solids: Preparation: 5030B Dilution: 1

Batch: 1D22024 Sequence: 1D11618 Calibration: 1110001 Instrument: MS-VOA5

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
71-43-2	Benzene		0.250	0.500	1.00	U
56-23-5	Carbon tetrachloride		0.250	0.500	1.00	U
108-90-7	Chlorobenzene		0.250	0.500	1.00	U
75-00-3	Chloroethane		0.500	1.00	2.00	U
110-75-8	2-Chloroethyl vinyl ether		1.25	2.50	5.00	U
124-48-1	Dibromochloromethane		0.250	0.500	1.00	U
95-50-1	1,2-Dichlorobenzene		0.250	0.500	1.00	U
541-73-1	1,3-Dichlorobenzene		0.250	0.500	1.00	U
106-46-7	1,4-Dichlorobenzene		0.250	0.500	1.00	U
75-34-3	1,1-Dichloroethane		0.250	0.500	1.00	U
107-06-2	1,2-Dichloroethane		0.250	0.500	1.00	U
75-35-4	1,1-Dichloroethene		0.250	0.500	1.00	U
156-59-2	cis-1,2-Dichloroethene		0.250	0.500	1.00	U
156-60-5	trans-1,2-Dichloroethene		0.250	0.500	1.00	U
78-87-5	1,2-Dichloropropane		0.250	0.500	1.00	U
10061-01-5	cis-1,3-Dichloropropene		0.250	0.500	1.00	U
10061-02-6	trans-1,3-Dichloropropene		0.250	0.500	1.00	U
100-41-4	Ethylbenzene	0.310	0.250	0.500	1.00	I
98-82-8	Isopropylbenzene	0.321	0.250	0.500	1.00	I
75-09-2	Methylene chloride	0.539	0.500	1.00	2.00	I
1634-04-4	Methyl t-Butyl Ether		0.250	0.500	1.00	U
79-34-5	1,1,2,2-Tetrachloroethane		0.250	0.500	1.00	U
127-18-4	Tetrachloroethene		0.250	0.500	1.00	U
108-88-3	Toluene		0.250	0.500	1.00	U
120-82-1	1,2,4-Trichlorobenzene		0.250	0.500	1.00	U
79-00-5	1,1,2-Trichloroethane		0.250	0.500	1.00	U
71-55-6	1,1,1-Trichloroethane		0.250	0.500	1.00	U
79-01-6	Trichloroethene		0.250	0.500	1.00	U
75-01-4	Vinyl chloride		0.250	0.500	1.00	U
1330-20-7	Xylenes (total)		0.750	1.50	3.00	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	29.26	97.5	75 - 120	
Dibromofluoromethane	30.00	29.75	99.2	85 - 115	
1,2-Dichloroethane-d4	30.00	31.05	104	70 - 120	
Toluene-d8	30.00	31.04	103	85 - 120	

ANALYSIS DATA SHEET

OLFS4 MW29D

Laboratory: Empirical Laboratories, LLC SDG: CTOJM29_002

Client: Tetra Tech NUS, Inc. (T010) Project: Saufley Field Site 4 CTOJM29

Matrix: Ground Water Laboratory ID: 1104207-06 File ID: 0420706D.D

Sampled: 04/15/11 09:23 Prepared: 04/22/11 00:00 Analyzed: 04/23/11 21:41

Solids: Preparation: 5030B Dilution: 10

Batch: 1D22024 Sequence: 1D11618 Calibration: 1110001 Instrument: MS-VOA5

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
71-43-2	Benzene	1260	2.50	5.00	10.0	D
56-23-5	Carbon tetrachloride		2.50	5.00	10.0	U
108-90-7	Chlorobenzene		2.50	5.00	10.0	U
75-00-3	Chloroethane		5.00	10.0	20.0	U
110-75-8	2-Chloroethyl vinyl ether		12.5	25.0	50.0	U
124-48-1	Dibromochloromethane		2.50	5.00	10.0	U
95-50-1	1,2-Dichlorobenzene		2.50	5.00	10.0	U
541-73-1	1,3-Dichlorobenzene		2.50	5.00	10.0	U
106-46-7	1,4-Dichlorobenzene		2.50	5.00	10.0	U
75-34-3	1,1-Dichloroethane		2.50	5.00	10.0	U
107-06-2	1,2-Dichloroethane	8.51	2.50	5.00	10.0	, D I
75-35-4	1,1-Dichloroethene		2.50	5.00	10.0	U
156-59-2	cis-1,2-Dichloroethene		2.50	5.00	10.0	U
156-60-5	trans-1,2-Dichloroethene		2.50	5.00	10.0	U
78-87-5	1,2-Dichloropropane		2.50	5.00	10.0	U
10061-01-5	cis-1,3-Dichloropropene		2.50	5.00	10.0	U
10061-02-6	trans-1,3-Dichloropropene		2.50	5.00	10.0	U
100-41-4	Ethylbenzene		2.50	5.00	10.0	U
98-82-8	Isopropylbenzene	3.47	2.50	5.00	10.0	, D I
75-09-2	Methylene chloride	6.63	5.00	10.0	20.0	, D I
1634-04-4	Methyl t-Butyl Ether		2.50	5.00	10.0	U
79-34-5	1,1,2,2-Tetrachloroethane		2.50	5.00	10.0	U
127-18-4	Tetrachloroethene		2.50	5.00	10.0	U
108-88-3	Toluene		2.50	5.00	10.0	U
120-82-1	1,2,4-Trichlorobenzene		2.50	5.00	10.0	U
79-00-5	1,1,2-Trichloroethane		2.50	5.00	10.0	U
71-55-6	1,1,1-Trichloroethane		2.50	5.00	10.0	U
79-01-6	Trichloroethene		2.50	5.00	10.0	U
75-01-4	Vinyl chloride		2.50	5.00	10.0	U
1330-20-7	Xylenes (total)	23.6	7.50	15.0	30.0	, D I

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	29.99	100	75 - 120	
Dibromofluoromethane	30.00	29.45	98.2	85 - 115	
1,2-Dichloroethane-d4	30.00	30.63	102	70 - 120	
Toluene-d8	30.00	31.39	105	85 - 120	

ANALYSIS DATA SHEET

OLFS4 MW02D

Laboratory: Empirical Laboratories, LLC SDG: CTOJM29_002

Client: Tetra Tech NUS, Inc. (T010) Project: Saufley Field Site 4 CTOJM29

Matrix: Ground Water Laboratory ID: 1104207-07 File ID: 0420707.D

Sampled: 04/15/11 10:45 Prepared: 04/22/11 00:00 Analyzed: 04/23/11 15:43

Solids: Preparation: 5030B Dilution: 1

Batch: 1D22024 Sequence: 1D11618 Calibration: 1110001 Instrument: MS-VOA5

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
71-43-2	Benzene	0.539	0.250	0.500	1.00	I
56-23-5	Carbon tetrachloride		0.250	0.500	1.00	U
108-90-7	Chlorobenzene		0.250	0.500	1.00	U
75-00-3	Chloroethane		0.500	1.00	2.00	U
110-75-8	2-Chloroethyl vinyl ether		1.25	2.50	5.00	U
124-48-1	Dibromochloromethane		0.250	0.500	1.00	U
95-50-1	1,2-Dichlorobenzene		0.250	0.500	1.00	U
541-73-1	1,3-Dichlorobenzene		0.250	0.500	1.00	U
106-46-7	1,4-Dichlorobenzene		0.250	0.500	1.00	U
75-34-3	1,1-Dichloroethane		0.250	0.500	1.00	U
107-06-2	1,2-Dichloroethane		0.250	0.500	1.00	U
75-35-4	1,1-Dichloroethene		0.250	0.500	1.00	U
156-59-2	cis-1,2-Dichloroethene		0.250	0.500	1.00	U
156-60-5	trans-1,2-Dichloroethene		0.250	0.500	1.00	U
78-87-5	1,2-Dichloropropane		0.250	0.500	1.00	U
10061-01-5	cis-1,3-Dichloropropene		0.250	0.500	1.00	U
10061-02-6	trans-1,3-Dichloropropene		0.250	0.500	1.00	U
100-41-4	Ethylbenzene		0.250	0.500	1.00	U
98-82-8	Isopropylbenzene		0.250	0.500	1.00	U
75-09-2	Methylene chloride	0.700	0.500	1.00	2.00	I
1634-04-4	Methyl t-Butyl Ether		0.250	0.500	1.00	U
79-34-5	1,1,2,2-Tetrachloroethane		0.250	0.500	1.00	U
127-18-4	Tetrachloroethene		0.250	0.500	1.00	U
108-88-3	Toluene		0.250	0.500	1.00	U
120-82-1	1,2,4-Trichlorobenzene		0.250	0.500	1.00	U
79-00-5	1,1,2-Trichloroethane		0.250	0.500	1.00	U
71-55-6	1,1,1-Trichloroethane		0.250	0.500	1.00	U
79-01-6	Trichloroethene		0.250	0.500	1.00	U
75-01-4	Vinyl chloride		0.250	0.500	1.00	U
1330-20-7	Xylenes (total)		0.750	1.50	3.00	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	29.58	98.6	75 - 120	
Dibromofluoromethane	30.00	28.74	95.8	85 - 115	
1,2-Dichloroethane-d4	30.00	30.51	102	70 - 120	
Toluene-d8	30.00	31.04	103	85 - 120	

ANALYSIS DATA SHEET

OLFS4 MW03S

Laboratory: Empirical Laboratories, LLC SDG: CTOJM29_002

Client: Tetra Tech NUS, Inc. (T010) Project: Saufley Field Site 4 CTOJM29

Matrix: Ground Water Laboratory ID: 1104207-08 File ID: 0420708.D

Sampled: 04/15/11 11:43 Prepared: 04/22/11 00:00 Analyzed: 04/23/11 16:09

Solids: Preparation: 5030B Dilution: 1

Batch: 1D22024 Sequence: 1D11618 Calibration: 1110001 Instrument: MS-VOA5

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
71-43-2	Benzene	1.30	0.250	0.500	1.00	
56-23-5	Carbon tetrachloride		0.250	0.500	1.00	U
108-90-7	Chlorobenzene		0.250	0.500	1.00	U
75-00-3	Chloroethane		0.500	1.00	2.00	U
110-75-8	2-Chloroethyl vinyl ether		1.25	2.50	5.00	U
124-48-1	Dibromochloromethane		0.250	0.500	1.00	U
95-50-1	1,2-Dichlorobenzene		0.250	0.500	1.00	U
541-73-1	1,3-Dichlorobenzene		0.250	0.500	1.00	U
106-46-7	1,4-Dichlorobenzene		0.250	0.500	1.00	U
75-34-3	1,1-Dichloroethane		0.250	0.500	1.00	U
107-06-2	1,2-Dichloroethane		0.250	0.500	1.00	U
75-35-4	1,1-Dichloroethene		0.250	0.500	1.00	U
156-59-2	cis-1,2-Dichloroethene		0.250	0.500	1.00	U
156-60-5	trans-1,2-Dichloroethene		0.250	0.500	1.00	U
78-87-5	1,2-Dichloropropane		0.250	0.500	1.00	U
10061-01-5	cis-1,3-Dichloropropene		0.250	0.500	1.00	U
10061-02-6	trans-1,3-Dichloropropene		0.250	0.500	1.00	U
100-41-4	Ethylbenzene		0.250	0.500	1.00	U
98-82-8	Isopropylbenzene		0.250	0.500	1.00	U
75-09-2	Methylene chloride	0.576	0.500	1.00	2.00	I
1634-04-4	Methyl t-Butyl Ether		0.250	0.500	1.00	U
79-34-5	1,1,2,2-Tetrachloroethane		0.250	0.500	1.00	U
127-18-4	Tetrachloroethene		0.250	0.500	1.00	U
108-88-3	Toluene	0.380	0.250	0.500	1.00	I
120-82-1	1,2,4-Trichlorobenzene		0.250	0.500	1.00	U
79-00-5	1,1,2-Trichloroethane		0.250	0.500	1.00	U
71-55-6	1,1,1-Trichloroethane		0.250	0.500	1.00	U
79-01-6	Trichloroethene		0.250	0.500	1.00	U
75-01-4	Vinyl chloride		0.250	0.500	1.00	U
1330-20-7	Xylenes (total)		0.750	1.50	3.00	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	29.38	97.9	75 - 120	
Dibromofluoromethane	30.00	29.91	99.7	85 - 115	
1,2-Dichloroethane-d4	30.00	30.81	103	70 - 120	
Toluene-d8	30.00	31.07	104	85 - 120	

ANALYSIS DATA SHEET

FB04151101

Laboratory: Empirical Laboratories, LLC SDG: CTOJM29_002

Client: Tetra Tech NUS, Inc. (T010) Project: Saufley Field Site 4 CTOJM29

Matrix: Ground Water Laboratory ID: 1104207-09 File ID: 0420709.D

Sampled: 04/15/11 14:58 Prepared: 04/22/11 00:00 Analyzed: 04/23/11 14:00

Solids: Preparation: 5030B Dilution: 1

Batch: 1D22024 Sequence: 1D11618 Calibration: 1110001 Instrument: MS-VOA5

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
71-43-2	Benzene		0.250	0.500	1.00	U
56-23-5	Carbon tetrachloride		0.250	0.500	1.00	U
108-90-7	Chlorobenzene		0.250	0.500	1.00	U
75-00-3	Chloroethane		0.500	1.00	2.00	U
110-75-8	2-Chloroethyl vinyl ether		1.25	2.50	5.00	U
124-48-1	Dibromochloromethane		0.250	0.500	1.00	U
95-50-1	1,2-Dichlorobenzene		0.250	0.500	1.00	U
541-73-1	1,3-Dichlorobenzene		0.250	0.500	1.00	U
106-46-7	1,4-Dichlorobenzene		0.250	0.500	1.00	U
75-34-3	1,1-Dichloroethane		0.250	0.500	1.00	U
107-06-2	1,2-Dichloroethane		0.250	0.500	1.00	U
75-35-4	1,1-Dichloroethene		0.250	0.500	1.00	U
156-59-2	cis-1,2-Dichloroethene		0.250	0.500	1.00	U
156-60-5	trans-1,2-Dichloroethene		0.250	0.500	1.00	U
78-87-5	1,2-Dichloropropane		0.250	0.500	1.00	U
10061-01-5	cis-1,3-Dichloropropene		0.250	0.500	1.00	U
10061-02-6	trans-1,3-Dichloropropene		0.250	0.500	1.00	U
100-41-4	Ethylbenzene		0.250	0.500	1.00	U
98-82-8	Isopropylbenzene		0.250	0.500	1.00	U
75-09-2	Methylene chloride	3.06	0.500	1.00	2.00	
1634-04-4	Methyl t-Butyl Ether		0.250	0.500	1.00	U
79-34-5	1,1,2,2-Tetrachloroethane		0.250	0.500	1.00	U
127-18-4	Tetrachloroethene		0.250	0.500	1.00	U
108-88-3	Toluene		0.250	0.500	1.00	U
120-82-1	1,2,4-Trichlorobenzene	0.287	0.250	0.500	1.00	I
79-00-5	1,1,2-Trichloroethane		0.250	0.500	1.00	U
71-55-6	1,1,1-Trichloroethane		0.250	0.500	1.00	U
79-01-6	Trichloroethene		0.250	0.500	1.00	U
75-01-4	Vinyl chloride		0.250	0.500	1.00	U
1330-20-7	Xylenes (total)		0.750	1.50	3.00	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	29.71	99.0	75 - 120	
Dibromofluoromethane	30.00	29.75	99.2	85 - 115	
1,2-Dichloroethane-d4	30.00	30.17	101	70 - 120	
Toluene-d8	30.00	31.81	106	85 - 120	

ANALYSIS DATA SHEET

TB04151101

Laboratory: Empirical Laboratories, LLC SDG: CTOJM29_002

Client: Tetra Tech NUS, Inc. (T010) Project: Saufley Field Site 4 CTOJM29

Matrix: Water Laboratory ID: 1104207-11 File ID: 0420711.D

Sampled: 04/15/11 15:58 Prepared: 04/22/11 00:00 Analyzed: 04/22/11 10:42

Solids: Preparation: 5030B Dilution: 1

Batch: 1D22008 Sequence: 1D11511 Calibration: 1110001 Instrument: MS-VOA5

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
71-43-2	Benzene		0.250	0.500	1.00	U
56-23-5	Carbon tetrachloride		0.250	0.500	1.00	U
108-90-7	Chlorobenzene		0.250	0.500	1.00	U
75-00-3	Chloroethane		0.500	1.00	2.00	U
110-75-8	2-Chloroethyl vinyl ether		1.25	2.50	5.00	U
124-48-1	Dibromochloromethane		0.250	0.500	1.00	U
95-50-1	1,2-Dichlorobenzene		0.250	0.500	1.00	U
541-73-1	1,3-Dichlorobenzene		0.250	0.500	1.00	U
106-46-7	1,4-Dichlorobenzene		0.250	0.500	1.00	U
75-34-3	1,1-Dichloroethane		0.250	0.500	1.00	X, U
107-06-2	1,2-Dichloroethane		0.250	0.500	1.00	U
75-35-4	1,1-Dichloroethene		0.250	0.500	1.00	U
156-59-2	cis-1,2-Dichloroethene		0.250	0.500	1.00	U
156-60-5	trans-1,2-Dichloroethene		0.250	0.500	1.00	U
78-87-5	1,2-Dichloropropane		0.250	0.500	1.00	X, U
10061-01-5	cis-1,3-Dichloropropene		0.250	0.500	1.00	U
10061-02-6	trans-1,3-Dichloropropene		0.250	0.500	1.00	U
100-41-4	Ethylbenzene		0.250	0.500	1.00	U
98-82-8	Isopropylbenzene		0.250	0.500	1.00	U
75-09-2	Methylene chloride	7.02	0.500	1.00	2.00	
1634-04-4	Methyl t-Butyl Ether		0.250	0.500	1.00	U
79-34-5	1,1,2,2-Tetrachloroethane		0.250	0.500	1.00	U
127-18-4	Tetrachloroethene		0.250	0.500	1.00	U
108-88-3	Toluene		0.250	0.500	1.00	U
120-82-1	1,2,4-Trichlorobenzene		0.250	0.500	1.00	U
79-00-5	1,1,2-Trichloroethane		0.250	0.500	1.00	U
71-55-6	1,1,1-Trichloroethane		0.250	0.500	1.00	U
79-01-6	Trichloroethene		0.250	0.500	1.00	U
75-01-4	Vinyl chloride		0.250	0.500	1.00	U
1330-20-7	Xylenes (total)		0.750	1.50	3.00	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	29.73	99.1	75 - 120	
Dibromofluoromethane	30.00	28.66	95.5	85 - 115	
1,2-Dichloroethane-d4	30.00	29.92	99.7	70 - 120	
Toluene-d8	30.00	32.42	108	85 - 120	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8260B

Laboratory: Empirical Laboratories, LLC
SDG: CTOJM29_002
Client: Tetra Tech NUS, Inc. (T010)
Project: Saufley Field Site 4 CTOJM29
Sequence: 1D11511
Instrument: MS-VOA5
Calibration: 1110001

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Calibration Check (1D11511-CCV1) ug/L				Lab File ID: 0422CC1.D		Analyzed: 04/22/11 06:59		
Bromofluorobenzene	30.00	94.7	80 - 120	12.242	12.242	0.0000	+/-1.000	
Dibromofluoromethane	30.00	107	80 - 120	6.884	6.884	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	107	80 - 120	7.386	7.386	0.0000	+/-1.000	
Toluene-d8	30.00	96.2	80 - 120	9.612	9.612	0.0000	+/-1.000	
LCS (1D22008-BS1) ug/L				Lab File ID: 0422LS1.D		Analyzed: 04/22/11 07:24		
Bromofluorobenzene	30.00	99.8	75 - 120	12.229	12.242	-0.0130	+/-1.000	
Dibromofluoromethane	30.00	107	85 - 115	6.881	6.884	-0.0030	+/-1.000	
1,2-Dichloroethane-d4	30.00	98.9	70 - 120	7.383	7.386	-0.0030	+/-1.000	
Toluene-d8	30.00	103	85 - 120	9.609	9.612	-0.0030	+/-1.000	
Blank (1D22008-BLK1) ug/L				Lab File ID: 0422BL1.D		Analyzed: 04/22/11 08:38		
Bromofluorobenzene	30.00	101	75 - 120	12.235	12.242	-0.0070	+/-1.000	
Dibromofluoromethane	30.00	95.0	85 - 115	6.886	6.884	0.0020	+/-1.000	
1,2-Dichloroethane-d4	30.00	98.8	70 - 120	7.379	7.386	-0.0070	+/-1.000	
Toluene-d8	30.00	106	85 - 120	9.605	9.612	-0.0070	+/-1.000	
TB04151101 (1104207-11) ug/L				Lab File ID: 0420711.D		Analyzed: 04/22/11 10:42		
Bromofluorobenzene	30.00	99.1	75 - 120	12.23	12.242	-0.0120	+/-1.000	
Dibromofluoromethane	30.00	95.5	85 - 115	6.881	6.884	-0.0030	+/-1.000	
1,2-Dichloroethane-d4	30.00	99.7	70 - 120	7.374	7.386	-0.0120	+/-1.000	
Toluene-d8	30.00	108	85 - 120	9.6	9.612	-0.0120	+/-1.000	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8260B

Laboratory: Empirical Laboratories, LLC
SDG: CTOJM29_002
Client: Tetra Tech NUS, Inc. (T010)
Project: Saufley Field Site 4 CTOJM29
Sequence: 1D11618
Instrument: MS-VOA5
Calibration: 1110001

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Calibration Check (1D11618-CCV1) ug/L				Lab File ID: 0423CC1.D		Analyzed: 04/23/11 11:18		
Bromofluorobenzene	30.00	94.1	80 - 120	12.23	12.23	0.0000	+/-1.000	
Dibromofluoromethane	30.00	106	80 - 120	6.871	6.871	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	106	80 - 120	7.374	7.374	0.0000	+/-1.000	
Toluene-d8	30.00	95.6	80 - 120	9.6	9.6	0.0000	+/-1.000	
LCS (1D22024-BS1) ug/L				Lab File ID: 0423LS1.D		Analyzed: 04/23/11 11:53		
Bromofluorobenzene	30.00	97.6	75 - 120	12.229	12.23	-0.0010	+/-1.000	
Dibromofluoromethane	30.00	109	85 - 115	6.871	6.871	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	111	70 - 120	7.373	7.374	-0.0010	+/-1.000	
Toluene-d8	30.00	99.8	85 - 120	9.599	9.6	-0.0010	+/-1.000	
Blank (1D22024-BLK1) ug/L				Lab File ID: 0423BL1.D		Analyzed: 04/23/11 13:09		
Bromofluorobenzene	30.00	100	75 - 120	12.224	12.23	-0.0060	+/-1.000	
Dibromofluoromethane	30.00	114	85 - 115	6.875	6.871	0.0040	+/-1.000	
1,2-Dichloroethane-d4	30.00	121	70 - 120	7.377	7.374	0.0030	+/-1.000	*
Toluene-d8	30.00	104	85 - 120	9.594	9.6	-0.0060	+/-1.000	
FB04151101 (1104207-09) ug/L				Lab File ID: 0420709.D		Analyzed: 04/23/11 14:00		
Bromofluorobenzene	30.00	99.0	75 - 120	12.224	12.23	-0.0060	+/-1.000	
Dibromofluoromethane	30.00	99.2	85 - 115	6.876	6.871	0.0050	+/-1.000	
1,2-Dichloroethane-d4	30.00	101	70 - 120	7.368	7.374	-0.0060	+/-1.000	
Toluene-d8	30.00	106	85 - 120	9.594	9.6	-0.0060	+/-1.000	
OLFS4 MW14D (1104207-03) ug/L				Lab File ID: 0420703.D		Analyzed: 04/23/11 14:26		
Bromofluorobenzene	30.00	102	75 - 120	12.23	12.23	0.0000	+/-1.000	
Dibromofluoromethane	30.00	100	85 - 115	6.871	6.871	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	103	70 - 120	7.374	7.374	0.0000	+/-1.000	
Toluene-d8	30.00	104	85 - 120	9.6	9.6	0.0000	+/-1.000	
FD04151101 (1104207-04) ug/L				Lab File ID: 0420704.D		Analyzed: 04/23/11 14:52		
Bromofluorobenzene	30.00	102	75 - 120	12.222	12.23	-0.0080	+/-1.000	
Dibromofluoromethane	30.00	103	85 - 115	6.874	6.871	0.0030	+/-1.000	
1,2-Dichloroethane-d4	30.00	100	70 - 120	7.366	7.374	-0.0080	+/-1.000	
Toluene-d8	30.00	104	85 - 120	9.592	9.6	-0.0080	+/-1.000	
OLFS4 MW31S (1104207-05) ug/L				Lab File ID: 0420705.D		Analyzed: 04/23/11 15:17		
Bromofluorobenzene	30.00	97.5	75 - 120	12.226	12.23	-0.0040	+/-1.000	
Dibromofluoromethane	30.00	99.2	85 - 115	6.867	6.871	-0.0040	+/-1.000	
1,2-Dichloroethane-d4	30.00	104	70 - 120	7.37	7.374	-0.0040	+/-1.000	
Toluene-d8	30.00	103	85 - 120	9.596	9.6	-0.0040	+/-1.000	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8260B

Laboratory: Empirical Laboratories, LLC
SDG: CTOJM29_002
Client: Tetra Tech NUS, Inc. (T010)
Project: Saufley Field Site 4 CTOJM29
Sequence: 1D11618
Instrument: MS-VOA5
Calibration: 1110001

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
OLFS4 MW02D (1104207-07) ug/L				Lab File ID: 0420707.D		Analyzed: 04/23/11 15:43		
Bromofluorobenzene	30.00	98.6	75 - 120	12.22	12.23	-0.0100	+/-1.000	
Dibromofluoromethane	30.00	95.8	85 - 115	6.871	6.871	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	102	70 - 120	7.374	7.374	0.0000	+/-1.000	
Toluene-d8	30.00	103	85 - 120	9.6	9.6	0.0000	+/-1.000	
OLFS4 MW03S (1104207-08) ug/L				Lab File ID: 0420708.D		Analyzed: 04/23/11 16:09		
Bromofluorobenzene	30.00	97.9	75 - 120	12.226	12.23	-0.0040	+/-1.000	
Dibromofluoromethane	30.00	99.7	85 - 115	6.868	6.871	-0.0030	+/-1.000	
1,2-Dichloroethane-d4	30.00	103	70 - 120	7.37	7.374	-0.0040	+/-1.000	
Toluene-d8	30.00	104	85 - 120	9.596	9.6	-0.0040	+/-1.000	
OLFS4 MW29D (1104207-06) ug/L				Lab File ID: 0420706D.D		Analyzed: 04/23/11 21:41		
Bromofluorobenzene	30.00	100	75 - 120	12.239	12.23	0.0090	+/-1.000	
Dibromofluoromethane	30.00	98.2	85 - 115	6.88	6.871	0.0090	+/-1.000	
1,2-Dichloroethane-d4	30.00	102	70 - 120	7.373	7.374	-0.0010	+/-1.000	
Toluene-d8	30.00	105	85 - 120	9.609	9.6	0.0090	+/-1.000	

LCS / LCS DUPLICATE RECOVERY

SW8260B

Laboratory: Empirical Laboratories, LLC
SDG: CTOJM29_002
Client: Tetra Tech NUS, Inc. (T010)
Project: Saufley Field Site 4 CTOJM29
Matrix: Water
Batch: 1D22008
Laboratory ID: 1D22008-BS1
Preparation: 5030B
Initial/Final: 5 mL / 5 mL

ANALYTE	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC.	QC LIMITS REC.
Benzene	50.00	53.4	107	80 - 120
Carbon tetrachloride	50.00	49.6	99.1	65 - 140
Chlorobenzene	50.00	52.0	104	80 - 120
Chloroethane	50.00	46.3	92.6	60 - 135
2-Chloroethyl vinyl ether	99.75	108	109	10 - 165
Dibromochloromethane	50.00	50.2	100	60 - 135
1,2-Dichlorobenzene	50.00	52.8	106	70 - 120
1,3-Dichlorobenzene	50.00	50.5	101	75 - 125
1,4-Dichlorobenzene	50.00	47.8	95.7	75 - 125
Dichlorodifluoromethane	50.00	40.8	81.6	30 - 155
1,1-Dichloroethane	50.00	55.0	110	70 - 135
1,2-Dichloroethane	50.00	51.4	103	70 - 130
1,1-Dichloroethene	50.00	51.0	102	70 - 130
cis-1,2-Dichloroethene	50.00	52.0	104	70 - 125
trans-1,2-Dichloroethene	50.00	51.3	103	60 - 140
1,2-Dichloropropane	50.00	53.6	107	75 - 125
cis-1,3-Dichloropropene	50.00	48.7	97.4	70 - 130
trans-1,3-Dichloropropene	50.00	56.4	113	55 - 140
Ethylbenzene	50.00	52.6	105	75 - 125
Isopropylbenzene	50.00	54.7	109	75 - 125
Methylene chloride	50.00	51.1	102	55 - 140
Methyl t-Butyl Ether	50.00	52.3	105	65 - 125
1,1,2,2-Tetrachloroethane	50.00	53.1	106	65 - 130
Tetrachloroethene	50.00	53.9	108	45 - 150
Toluene	50.00	50.7	101	75 - 120
1,2,4-Trichlorobenzene	50.00	52.2	104	65 - 135
1,1,2-Trichloroethane	50.00	49.9	99.7	75 - 125
1,1,1-Trichloroethane	50.00	47.8	95.5	65 - 130
Trichloroethene	50.00	52.8	106	70 - 125
Vinyl chloride	50.00	37.5	74.9	50 - 145

LCS / LCS DUPLICATE RECOVERY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	CTOJM29_002
Client:	Tetra Tech NUS, Inc. (T010)	Project:	Saufley Field Site 4 CTOJM29
Matrix:	Water		
Batch:	1D22008	Laboratory ID:	1D22008-BS1
Preparation:	5030B	Initial/Final:	5 mL / 5 mL

ANALYTE	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC.	QC LIMITS REC.
Xylenes (total)	150.0	154	103	75 - 130

LCS / LCS DUPLICATE RECOVERY

SW8260B

Laboratory: Empirical Laboratories, LLC
SDG: CTOJM29_002
Client: Tetra Tech NUS, Inc. (T010)
Project: Saufley Field Site 4 CTOJM29
Matrix: Water
Batch: 1D22024
Laboratory ID: 1D22024-BS1
Preparation: 5030B
Initial/Final: 5 mL / 5 mL

ANALYTE	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC.	QC LIMITS REC.
Benzene	50.00	51.1	102	80 - 120
Carbon tetrachloride	50.00	50.9	102	65 - 140
Chlorobenzene	50.00	48.2	96.3	80 - 120
Chloroethane	50.00	44.4	88.8	60 - 135
2-Chloroethyl vinyl ether	99.75	117	117	10 - 165
Dibromochloromethane	50.00	49.8	99.5	60 - 135
1,2-Dichlorobenzene	50.00	48.7	97.5	70 - 120
1,3-Dichlorobenzene	50.00	47.2	94.5	75 - 125
1,4-Dichlorobenzene	50.00	44.4	88.8	75 - 125
Dichlorodifluoromethane	50.00	61.0	122	30 - 155
1,1-Dichloroethane	50.00	53.4	107	70 - 135
1,2-Dichloroethane	50.00	54.0	108	70 - 130
1,1-Dichloroethene	50.00	50.9	102	70 - 130
cis-1,2-Dichloroethene	50.00	50.4	101	70 - 125
trans-1,2-Dichloroethene	50.00	48.9	97.7	60 - 140
1,2-Dichloropropane	50.00	50.4	101	75 - 125
cis-1,3-Dichloropropene	50.00	49.1	98.1	70 - 130
trans-1,3-Dichloropropene	50.00	54.9	110	55 - 140
Ethylbenzene	50.00	49.0	97.9	75 - 125
Isopropylbenzene	50.00	50.5	101	75 - 125
Methylene chloride	50.00	50.3	101	55 - 140
Methyl t-Butyl Ether	50.00	55.7	111	65 - 125
1,1,2,2-Tetrachloroethane	50.00	51.4	103	65 - 130
Tetrachloroethene	50.00	49.3	98.6	45 - 150
Toluene	50.00	47.8	95.7	75 - 120
1,2,4-Trichlorobenzene	50.00	47.4	94.8	65 - 135
1,1,2-Trichloroethane	50.00	46.1	92.1	75 - 125
1,1,1-Trichloroethane	50.00	49.7	99.4	65 - 130
Trichloroethene	50.00	52.1	104	70 - 125
Vinyl chloride	50.00	36.2	72.4	50 - 145

LCS / LCS DUPLICATE RECOVERY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	CTOJM29_002
Client:	Tetra Tech NUS, Inc. (T010)	Project:	Saufley Field Site 4 CTOJM29
Matrix:	Water		
Batch:	1D22024	Laboratory ID:	1D22024-BS1
Preparation:	5030B	Initial/Final:	5 mL / 5 mL

ANALYTE	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC.	QC LIMITS REC.
Xylenes (total)	150.0	148	98.3	75 - 130

PREPARATION BATCH SUMMARY

SW8260B

Laboratory: Empirical Laboratories, LLC SDG: CTOJM29_002

Client: Tetra Tech NUS, Inc. (T010) Project: Saufley Field Site 4 CTOJM29

Batch: 1D22008 Batch Matrix: Water Preparation: 5030B

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
TB04151101	1104207-11	04/22/11 00:00	5.00	5.00
Blank	1D22008-BLK1	04/22/11 00:00	5.00	5.00
LCS	1D22008-BS1	04/22/11 00:00	5.00	5.00

PREPARATION BATCH SUMMARY

SW8260B

Laboratory: Empirical Laboratories, LLC SDG: CTOJM29_002

Client: Tetra Tech NUS, Inc. (T010) Project: Saufley Field Site 4 CTOJM29

Batch: 1D22024 Batch Matrix: Water Preparation: 5030B

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
OLFS4 MW14D	1104207-03	04/22/11 00:00	5.00	5.00
FD04151101	1104207-04	04/22/11 00:00	5.00	5.00
OLFS4 MW31S	1104207-05	04/22/11 00:00	5.00	5.00
OLFS4 MW29D	1104207-06	04/22/11 00:00	5.00	5.00
OLFS4 MW02D	1104207-07	04/22/11 00:00	5.00	5.00
OLFS4 MW03S	1104207-08	04/22/11 00:00	5.00	5.00
FB04151101	1104207-09	04/22/11 00:00	5.00	5.00
Blank	1D22024-BLK1	04/22/11 00:00	5.00	5.00
LCS	1D22024-BS1	04/22/11 00:00	5.00	5.00

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	CTOJM29_002
Client:	Tetra Tech NUS, Inc. (T010)	Project:	Saufley Field Site 4 CTOJM29
Lab File ID:	0415TU1.D	Injection Date:	04/15/11
Instrument ID:	MS-VOA5	Injection Time:	08:29
Sequence:	1D10810	Lab Sample ID:	1D10810-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15 - 40% of 95	18.4	PASS
75	30 - 60% of 95	38.6	PASS
95	Base peak, 100% relative abundance	100	PASS
96	5 - 9% of 95	6.52	PASS
173	Less than 2% of 174	0	PASS
174	50 - 200% of 95	101	PASS
175	5 - 9% of 174	7.11	PASS
176	95 - 101% of 174	95.6	PASS
177	5 - 9% of 176	5.75	PASS

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	CTOJM29_002
Client:	Tetra Tech NUS, Inc. (T010)	Project:	Saufley Field Site 4 CTOJM29
Lab File ID:	0422TU1.D	Injection Date:	04/22/11
Instrument ID:	MS-VOA5	Injection Time:	06:34
Sequence:	1D11511	Lab Sample ID:	1D11511-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15 - 40% of 95	26.6	PASS
75	30 - 60% of 95	44.2	PASS
95	Base peak, 100% relative abundance	100	PASS
96	5 - 9% of 95	6.51	PASS
173	Less than 2% of 174	0	PASS
174	50 - 200% of 95	62	PASS
175	5 - 9% of 174	8.01	PASS
176	95 - 101% of 174	96.5	PASS
177	5 - 9% of 176	7.06	PASS

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	CTOJM29_002
Client:	Tetra Tech NUS, Inc. (T010)	Project:	Saufley Field Site 4 CTOJM29
Lab File ID:	0423TU1.D	Injection Date:	04/23/11
Instrument ID:	MS-VOA5	Injection Time:	10:53
Sequence:	1D11618	Lab Sample ID:	1D11618-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15 - 40% of 95	23.8	PASS
75	30 - 60% of 95	44.3	PASS
95	Base peak, 100% relative abundance	100	PASS
96	5 - 9% of 95	7.27	PASS
173	Less than 2% of 174	0	PASS
174	50 - 200% of 95	75	PASS
175	5 - 9% of 174	7.79	PASS
176	95 - 101% of 174	96.6	PASS
177	5 - 9% of 176	5.96	PASS

ANALYSIS SEQUENCE SUMMARY

SW8260B

Laboratory: Empirical Laboratories, LLC
SDG: CTOJM29_002
Client: Tetra Tech NUS, Inc. (T010)
Project: Saufley Field Site 4 CTOJM29
Sequence: 1D10810
Instrument: MS-VOA5
Calibration: 1110001

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	1D10810-TUN1	0415TU1.D	04/15/11 08:29
Cal Standard	1D10810-CAL1	0415CAL1.D	04/15/11 09:53
Cal Standard	1D10810-CAL2	0415CAL2.D	04/15/11 10:18
Cal Standard	1D10810-CAL3	0415CAL3.D	04/15/11 10:43
Cal Standard	1D10810-CAL4	0415CAL4.D	04/15/11 11:07
Cal Standard	1D10810-CAL5	0415CAL5.D	04/15/11 11:32
Cal Standard	1D10810-CAL6	0415CAL6.D	04/15/11 11:57
Cal Standard	1D10810-CAL7	0415CAL7.D	04/15/11 12:22
Cal Standard	1D10810-CAL8	0415CAL8.D	04/15/11 12:47
Cal Standard	1D10810-CAL9	0415CAL9.D	04/15/11 13:12
Initial Cal Check	1D10810-ICV2	0415ICV2.D	04/15/11 14:01
Cal Standard	1D10810-CALA	0415CALA.D	04/15/11 14:26
Cal Standard	1D10810-CALB	0415CALB.D	04/15/11 14:51
Cal Standard	1D10810-CALC	0415CALC.D	04/15/11 15:16
Cal Standard	1D10810-CALD	0415CALD.D	04/15/11 15:41
Cal Standard	1D10810-CALE	0415CALE.D	04/15/11 16:05
Cal Standard	1D10810-CALF	0415CALF.D	04/15/11 16:30
Cal Standard	1D10810-CALG	0415CALG.D	04/15/11 16:55
Cal Standard	1D10810-CALH	0415CALH.D	04/15/11 17:20
Cal Standard	1D10810-CALI	0415CALI.D	04/15/11 17:45

ANALYSIS SEQUENCE SUMMARY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	CTOJM29_002
Client:	Tetra Tech NUS, Inc. (T010)	Project:	Saufley Field Site 4 CTOJM29
Sequence:	1D11511	Instrument:	MS-VOA5
Calibration:	1110001		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	1D11511-TUN1	0422TU1.D	04/22/11 06:34
Calibration Check	1D11511-CCV1	0422CC1.D	04/22/11 06:59
LCS	1D22008-BS1	0422LS1.D	04/22/11 07:24
Blank	1D22008-BLK1	0422BL1.D	04/22/11 08:38
TB04151101	1104207-11	0420711.D	04/22/11 10:42

ANALYSIS SEQUENCE SUMMARY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	CTOJM29_002
Client:	Tetra Tech NUS, Inc. (T010)	Project:	Saufley Field Site 4 CTOJM29
Sequence:	1D11618	Instrument:	MS-VOA5
Calibration:	1110001		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	1D11618-TUN1	0423TU1.D	04/23/11 10:53
Calibration Check	1D11618-CCV1	0423CC1.D	04/23/11 11:18
LCS	1D22024-BS1	0423LS1.D	04/23/11 11:53
Blank	1D22024-BLK1	0423BL1.D	04/23/11 13:09
FB04151101	1104207-09	0420709.D	04/23/11 14:00
OLFS4 MW14D	1104207-03	0420703.D	04/23/11 14:26
FD04151101	1104207-04	0420704.D	04/23/11 14:52
OLFS4 MW31S	1104207-05	0420705.D	04/23/11 15:17
OLFS4 MW02D	1104207-07	0420707.D	04/23/11 15:43
OLFS4 MW03S	1104207-08	0420708.D	04/23/11 16:09
OLFS4 MW29D	1104207-06	0420706D.D	04/23/11 21:41

INTERNAL STANDARD AREA AND RT SUMMARY
SW8260B

Laboratory: Empirical Laboratories, LLC
SDG: CTOJM29_002
Client: Tetra Tech NUS, Inc. (T010)
Project: Saufley Field Site 4 CTOJM29
Sequence: 1D11511
Instrument: MS-VOA5
Calibration: 1110001

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (1D11511-CCV1)			Lab File ID: 0422CC1.D			Analyzed: 04/22/11 06:59			
Fluorobenzene	1078952	7.908	1328259	7.92	81	50 - 200	-0.0120	+/-0.50	
Chlorobenzene-d5	476945	11.04	600438	11.052	79	50 - 200	-0.0120	+/-0.50	
1,4-Dichlorobenzene-d4	389712	13.444	522137	13.456	75	50 - 200	-0.0120	+/-0.50	
LCS (1D22008-BS1)			Lab File ID: 0422LS1.D			Analyzed: 04/22/11 07:24			
Fluorobenzene	1117170	7.905	1078952	7.908	104	50 - 200	-0.0030	+/-0.50	
Chlorobenzene-d5	468372	11.037	476945	11.04	98	50 - 200	-0.0030	+/-0.50	
1,4-Dichlorobenzene-d4	394568	13.441	389712	13.444	101	50 - 200	-0.0030	+/-0.50	
Blank (1D22008-BLK1)			Lab File ID: 0422BL1.D			Analyzed: 04/22/11 08:38			
Fluorobenzene	1243244	7.911	1078952	7.908	115	50 - 200	0.0030	+/-0.50	
Chlorobenzene-d5	500589	11.043	476945	11.04	105	50 - 200	0.0030	+/-0.50	
1,4-Dichlorobenzene-d4	405968	13.437	389712	13.444	104	50 - 200	-0.0070	+/-0.50	
TB04151101 (1104207-11)			Lab File ID: 0420711.D			Analyzed: 04/22/11 10:42			
Fluorobenzene	1110759	7.906	1078952	7.908	103	50 - 200	-0.0020	+/-0.50	
Chlorobenzene-d5	439114	11.038	476945	11.04	92	50 - 200	-0.0020	+/-0.50	
1,4-Dichlorobenzene-d4	363867	13.441	389712	13.444	93	50 - 200	-0.0030	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
SW8260B

Laboratory: Empirical Laboratories, LLC
SDG: CTOJM29_002
Client: Tetra Tech NUS, Inc. (T010)
Project: Saufley Field Site 4 CTOJM29
Sequence: 1D11618
Instrument: MS-VOA5
Calibration: 1110001

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (1D11618-CCV1)			Lab File ID: 0423CC1.D			Analyzed: 04/23/11 11:18			
Fluorobenzene	1251343	7.906	1328259	7.92	94	50 - 200	-0.0140	+/-0.50	
Chlorobenzene-d5	563960	11.038	600438	11.052	94	50 - 200	-0.0140	+/-0.50	
1,4-Dichlorobenzene-d4	464089	13.432	522137	13.456	89	50 - 200	-0.0240	+/-0.50	
LCS (1D22024-BS1)			Lab File ID: 0423LS1.D			Analyzed: 04/23/11 11:53			
Fluorobenzene	1228101	7.905	1251343	7.906	98	50 - 200	-0.0010	+/-0.50	
Chlorobenzene-d5	545089	11.037	563960	11.038	97	50 - 200	-0.0010	+/-0.50	
1,4-Dichlorobenzene-d4	460553	13.431	464089	13.432	99	50 - 200	-0.0010	+/-0.50	
Blank (1D22024-BLK1)			Lab File ID: 0423BL1.D			Analyzed: 04/23/11 13:09			
Fluorobenzene	1191918	7.899	1251343	7.906	95	50 - 200	-0.0070	+/-0.50	
Chlorobenzene-d5	556779	11.032	563960	11.038	99	50 - 200	-0.0060	+/-0.50	
1,4-Dichlorobenzene-d4	471459	13.435	464089	13.432	102	50 - 200	0.0030	+/-0.50	
FB04151101 (1104207-09)			Lab File ID: 0420709.D			Analyzed: 04/23/11 14:00			
Fluorobenzene	1326739	7.9	1251343	7.906	106	50 - 200	-0.0060	+/-0.50	
Chlorobenzene-d5	540106	11.032	563960	11.038	96	50 - 200	-0.0060	+/-0.50	
1,4-Dichlorobenzene-d4	434387	13.436	464089	13.432	94	50 - 200	0.0040	+/-0.50	
OLFS4 MW14D (1104207-03)			Lab File ID: 0420703.D			Analyzed: 04/23/11 14:26			
Fluorobenzene	1312891	7.896	1251343	7.906	105	50 - 200	-0.0100	+/-0.50	
Chlorobenzene-d5	537054	11.028	563960	11.038	95	50 - 200	-0.0100	+/-0.50	
1,4-Dichlorobenzene-d4	460001	13.431	464089	13.432	99	50 - 200	-0.0010	+/-0.50	
FD04151101 (1104207-04)			Lab File ID: 0420704.D			Analyzed: 04/23/11 14:52			
Fluorobenzene	1259504	7.898	1251343	7.906	101	50 - 200	-0.0080	+/-0.50	
Chlorobenzene-d5	522510	11.03	563960	11.038	93	50 - 200	-0.0080	+/-0.50	
1,4-Dichlorobenzene-d4	433237	13.434	464089	13.432	93	50 - 200	0.0020	+/-0.50	
OLFS4 MW31S (1104207-05)			Lab File ID: 0420705.D			Analyzed: 04/23/11 15:17			
Fluorobenzene	1286203	7.902	1251343	7.906	103	50 - 200	-0.0040	+/-0.50	
Chlorobenzene-d5	528080	11.034	563960	11.038	94	50 - 200	-0.0040	+/-0.50	
1,4-Dichlorobenzene-d4	426358	13.438	464089	13.432	92	50 - 200	0.0060	+/-0.50	
OLFS4 MW02D (1104207-07)			Lab File ID: 0420707.D			Analyzed: 04/23/11 15:43			
Fluorobenzene	1318782	7.896	1251343	7.906	105	50 - 200	-0.0100	+/-0.50	
Chlorobenzene-d5	530352	11.028	563960	11.038	94	50 - 200	-0.0100	+/-0.50	
1,4-Dichlorobenzene-d4	427093	13.432	464089	13.432	92	50 - 200	0.0000	+/-0.50	
OLFS4 MW03S (1104207-08)			Lab File ID: 0420708.D			Analyzed: 04/23/11 16:09			
Fluorobenzene	1228244	7.902	1251343	7.906	98	50 - 200	-0.0040	+/-0.50	
Chlorobenzene-d5	514558	11.034	563960	11.038	91	50 - 200	-0.0040	+/-0.50	
1,4-Dichlorobenzene-d4	416811	13.428	464089	13.432	90	50 - 200	-0.0040	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
SW8260B

Laboratory: Empirical Laboratories, LLC
SDG: CTOJM29_002
Client: Tetra Tech NUS, Inc. (T010)
Project: Saufley Field Site 4 CTOJM29
Sequence: 1D11618
Instrument: MS-VOA5
Calibration: 1110001

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
OLFS4 MW29D (1104207-06)			Lab File ID: 0420706D.D			Analyzed: 04/23/11 21:41			
Fluorobenzene	1329200	7.905	1251343	7.906	106	50 - 200	-0.0010	+/-0.50	
Chlorobenzene-d5	546024	11.037	563960	11.038	97	50 - 200	-0.0010	+/-0.50	
1,4-Dichlorobenzene-d4	438945	13.441	464089	13.432	95	50 - 200	0.0090	+/-0.50	

INITIAL CALIBRATION DATA

SW8260B

Laboratory: Empirical Laboratories, LLC
SDG: CTOJM29_002
Client: Tetra Tech NUS, Inc. (T010)
Project: Saufley Field Site 4 CTOJM29
Calibration: 1110001
Instrument: MS-VOA5
Matrix: Water
Calibration Dates: 4/15/11 9:53 4/15/11 17:45

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
Acetone												
Acrolein	2.501	7.345248E-02	5.002	0.0629605	10	7.600379E-02	25.01	4.266429E-02	50.02	4.401047E-02	250.1	4.491028E-02
Acrylonitrile	2.499	9.808561E-02	4.998	0.109848	9.996	8.699726E-02	24.99	8.799322E-02	49.98	8.802525E-02	249.9	9.420532E-02
Benzene	0.5	0.8000888	1	0.9156609	2	0.8803617	5	0.7934592	10	0.7359414	50	0.800176
Bromobenzene	0.5	0.641056	1	0.6621863	2	0.5914626	5	0.6467631	10	0.579489	50	0.6402908
Bromochloromethane	0.5	0.1093716	1	0.1692393	2	0.140701	5	0.1313986	10	0.112671	50	0.1315389
Tert-Amyl Methyl Ether	0.5	0.6306069	1	0.7326989	2	0.6863854	5	0.6084636	10	0.594319	50	0.6639212
Bromodichloromethane	0.5	0.3849176	1	0.3212413	2	0.3108098	5	0.3016333	10	0.2722413	50	0.3183873
Bromoform	0.5	0.3945924	1	0.3386649	2	0.3466746	5	0.3226988	10	0.33363	50	0.3812498
Bromomethane	0.5	0.1684676	1	0.1779699	2	0.192281	5	0.1780457	10	0.1785955	50	0.2262205
Bromofluorobenzene												
n-Butylbenzene	0.5	1.615764	1	1.620222	2	1.568309	5	1.533788	10	1.313584	50	1.538153
2-Butanone												
sec-Butylbenzene	0.5	2.182433	1	2.042219	2	2.12414	5	1.9027	10	1.740465	50	1.975233
tert-Butylbenzene	0.5	1.42206	1	1.934084	2	1.652871	5	1.639224	10	1.426676	50	1.647677
Carbon disulfide	0.5	0.6700777	1	0.7146108	2	0.6935102	5	0.6335915	10	0.6337523	50	0.6850653
Carbon tetrachloride	0.5	0.2142449	1	0.2502996	2	0.2321267	5	0.2296175	10	0.2145385	50	0.245885
Chlorobenzene	0.5	1.326671	1	1.439744	2	1.348718	5	1.242116	10	1.218162	50	1.309918
Chloroethane	0.5	0.2639473	1	0.3176148	2	0.2371905	5	0.2382983	10	0.229075	50	0.2546896
Chloroform	0.5	0.4713124	1	0.525224	2	0.4449954	5	0.3898242	10	0.3843343	50	0.4034271
2-Chloroethyl vinyl ether	0.9975	0.1757648	1.995	0.1714589	3.99	0.1786886	9.975	0.1651317	19.95	0.1499097	99.75	0.1703667
Chloromethane	0.5	0.4048956	1	0.522269	2	0.5269472	5	0.4844209	10	0.4433077	50	0.4808374
1-Chlorohexane	0.501	1.585962	1.002	1.589005	2.004	1.398023	5.01	1.274661	10.02	1.22227	50.1	1.31726
2-Chlorotoluene	0.5	1.32624	1	1.808458	2	1.659932	5	1.543797	10	1.385015	50	1.54863
4-Chlorotoluene	0.5	1.73978	1	1.803072	2	1.855684	5	1.677465	10	1.535848	50	1.79964
Cyclohexane	0.5	0.4396916	1	0.4634382	2	0.409737	5	0.3895298	10	0.3643557	50	0.4100495
Dibromochloromethane	0.5	0.5283043	1	0.5578137	2	0.5173084	5	0.5282558	10	0.5005973	50	0.5522381
1,2-Dibromo-3-chloropropane	0.5		1	9.348104E-02	2	9.474229E-02	5	0.1156024	10	0.1023672	50	0.1237073
1,2-Dibromoethane (EDB)	0.5	0.5843429	1	0.6618649	2	0.6056568	5	0.540378	10	0.5211705	50	0.5524816
Dibromomethane	0.5	0.1536054	1	0.1796265	2	0.153499	5	0.1450265	10	0.1479124	50	0.1641915
1,2-Dichlorobenzene	0.5	0.8575686	1	1.041613	2	1.049727	5	0.9857437	10	0.9044381	50	1.03308

INITIAL CALIBRATION DATA

SW8260B

Laboratory: Empirical Laboratories, LLC
SDG: CTOJM29_002
Client: Tetra Tech NUS, Inc. (T010)
Project: Saufley Field Site 4 CTOJM29
Calibration: 1110001
Instrument: MS-VOA5
Matrix: Water
Calibration Dates: 4/15/11 9:53 4/15/11 17:45

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
1,3-Dichlorobenzene	0.5	1.273057	1	1.210968	2	1.111015	5	1.008536	10	0.9391991	50	1.051088
1,4-Dichlorobenzene	0.5	1.532551	1	1.16052	2	1.202197	5	1.083727	10	0.9748769	50	1.079088
Dichlorodifluoromethane	0.5	0.2840134	1	0.2858936	2	0.2909534	5	0.3119691	10	0.2727878	50	0.3162249
1,1-Dichloroethane	0.5	0.4287103	1	0.5320965	2	0.4751234	5	0.4325725	10	0.4120782	50	0.4661043
1,2-Dichloroethane	0.5	0.3562957	1	0.31363	2	0.3396192	5	0.3170589	10	0.2989102	50	0.3387723
1,1-Dichloroethene	0.5	0.2393828	1	0.2659251	2	0.2648033	5	0.1920973	10	0.1939775	50	0.2009782
cis-1,2-Dichloroethene	0.5	0.249482	1	0.3033548	2	0.3005381	5	0.247724	10	0.2281777	50	0.2555682
trans-1,2-Dichloroethene	0.5	0.2998018	1	0.2666415	2	0.2699336	5	0.2006577	10	0.2123392	50	0.230136
1,2-Dichloroethene (total)	1	0.2746419	2	0.2849981	4	0.2852358	10	0.2241909	20	0.2202585	100	0.2428521
1,2-Dichloropropane	0.5	0.2971116	1	0.3268379	2	0.3157074	5	0.2696402	10	0.2481496	50	0.2695601
1,3-Dichloropropane	0.5	0.843535	1	0.909842	2	0.8361608	5	0.8171525	10	0.764916	50	0.8162331
2,2-Dichloropropane	0.5	0.3501656	1	0.3412545	2	0.3056573	5	0.2780712	10	0.2715509	50	0.3022778
1,1-Dichloropropene	0.5	0.2968029	1	0.3418814	2	0.3254472	5	0.2892188	10	0.2793071	50	0.3077439
cis-1,3-Dichloropropene	0.5	0.3369793	1	0.4209045	2	0.3752986	5	0.3546505	10	0.3451507	50	0.3709639
trans-1,3-Dichloropropene	0.5	0.6572671	1	0.7202759	2	0.7544529	5	0.7045884	10	0.6688263	50	0.7769461
1,3-Dichloropropene (total)	1	0.3058216	2	0.3600701	4	0.3468991	10	0.3256349	20	0.3108605	100	0.3508639
Diisopropyl Ether	0.5	1.095436	1	1.089445	2	1.036587	5	1.039403	10	1.009037	50	1.099811
Ethylbenzene	0.5	2.026046	1	2.21121	2	2.244356	5	2.0568	10	1.979842	50	2.099205
Ethyl tert-Butyl Ether	0.5	0.8180381	1	0.8773582	2	0.8584222	5	0.7778061	10	0.7427239	50	0.8236289
Ethyl Methacrylate	0.5	0.7708219	1	0.7903798	2	0.7030081	5	0.7054255	10	0.6633499	50	0.7145584
Hexachlorobutadiene	0.5	0.3004126	1	0.2670639	2	0.2546861	5	0.2139476	10	0.1996979	50	0.2170609
2-Hexanone												
Iodomethane	0.5	~~0.1155017~~	1	0.1466517	2	0.1505738	5	0.1804679	10	0.1858682	50	0.2715026
Isopropylbenzene	0.5	1.553991	1	1.879496	2	1.64715	5	1.463981	10	1.484014	50	1.604791
p-Isopropyltoluene	0.5	1.89864	1	1.776951	2	1.742258	5	1.607387	10	1.523654	50	1.666623
Methylene chloride	0.5	~~0.3900775~~	1	0.2936392	2	0.2698228	5	0.2477597	10	0.2252182	50	0.2518085
Methyl Acetate	0.5	~~0.4609926~~	1	0.4005555	2	0.2358498	5	0.2255224	10	0.2031954	50	0.215042
Methylcyclohexane	0.5	0.3449617	1	0.2959674	2	0.3342673	5	0.2715628	10	0.2594567	50	0.2933012
Naphthalene	0.5	1.330595	1	1.403953	2	1.438523	5	1.267743	10	1.210153	50	1.336267
Methyl Methacrylate	0.5	0.3571778	1	0.3326583	2	0.2536673	5	0.2420409	10	0.2434765	50	0.2725396
4-Methyl-2-pentanone												

INITIAL CALIBRATION DATA

SW8260B

Laboratory: Empirical Laboratories, LLC
SDG: CTOJM29_002
Client: Tetra Tech NUS, Inc. (T010)
Project: Saufley Field Site 4 CTOJM29
Calibration: 1110001
Instrument: MS-VOA5
Matrix: Water
Calibration Dates: 4/15/11 9:53 4/15/11 17:45

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
Methyl t-Butyl Ether	0.5	0.58849	1	0.3847061	2	0.61701	5	0.5249432	10	0.5220101	50	0.575102
n-Propylbenzene	0.5	2.658898	1	2.631022	2	2.742525	5	2.498391	10	2.252019	50	2.51794
Styrene	0.5	1.191692	1	1.431338	2	1.394782	5	1.292819	10	1.286717	50	1.356195
1,1,2,2-Tetrachloroethane	0.5	0.6565294	1	0.8292243	2	0.7688837	5	0.6768636	10	0.6541766	50	0.723185
1,1,1,2-Tetrachloroethane	0.5	0.4367006	1	0.4756397	2	0.5285685	5	0.4857648	10	0.4354952	50	0.5080245
tert-Butyl alcohol	2.5	1.891953E-02	5	2.545306E-02	10	2.534346E-02	25	2.000688E-02	50	1.962376E-02	250	2.099059E-02
Tetrachloroethene	0.5	0.364093	1	0.5506471	2	0.4872814	5	0.4530117	10	0.4530936	50	0.4932279
Toluene	0.5	1.194858	1	1.156849	2	1.245383	5	1.085715	10	1.014703	50	1.112732
1,2,3-Trichlorobenzene	0.5	0.4865515	1	0.6485175	2	0.5326165	5	0.4876621	10	0.4486489	50	0.5188974
1,2,4-Trichlorobenzene	0.5	0.7493696	1	0.6890607	2	0.6505441	5	0.5479476	10	0.5055653	50	0.5773303
1,1,2-Trichloroethane	0.5	0.5303094	1	0.5252135	2	0.4770975	5	0.4418115	10	0.4350982	50	0.4271284
1,1,1-Trichloroethane	0.5	0.330761	1	0.3376056	2	0.3149539	5	0.2880055	10	0.2771033	50	0.3098753
Tetrahydrofuran	0.5	~~0.1634841~~	1	0.1109906	2	0.130662	5	7.513845E-02	10	7.189065E-02	50	7.579246E-02
Trichloroethene	0.5	0.2354577	1	0.2523815	2	0.2614126	5	0.2117919	10	0.2188451	50	0.2396014
Trichlorofluoromethane	0.5	0.4371778	1	0.4162929	2	0.4261584	5	0.3891685	10	0.3896686	50	0.3943387
1,2,3-Trichloropropane	0.5	0.1683271	1	0.1842854	2	0.2015794	5	0.1413224	10	0.1597234	50	0.1514929
1,3,5-Trimethylbenzene	0.5	1.681783	1	1.781468	2	1.842237	5	1.535102	10	1.452974	50	1.666816
1,2,4-Trimethylbenzene	0.5	1.815771	1	1.840546	2	1.734166	5	1.554856	10	1.452915	50	1.671327
1,1,2-Trichloro-1,2,2-trifluoroethan	0.5	0.1947962	1	0.245106	2	0.2140875	5	0.1963128	10	0.1816022	50	0.207954
Vinyl chloride	0.5	0.4777512	1	0.3889818	2	0.3273641	5	0.3402598	10	0.3620777	50	0.3030401
m,p-Xylene	1	1.670396	2	1.787353	4	1.678962	10	1.568847	20	1.459675	100	1.572657
o-Xylene	0.5	1.74923	1	1.94044	2	1.807285	5	1.558785	10	1.560928	50	1.627801
Vinyl acetate	0.9995	0.4135478	1.999	0.3447625	3.998	0.4064887	9.995	0.3548725	19.99	0.3401282	99.95	0.3820547
Xylenes (total)	1.5	1.696674	3	1.838382	6	1.721736	15	1.565493	30	1.493426	150	1.591039
Dibromofluoromethane												
1,2-Dichloroethane-d4												
Toluene-d8												
tert-Amyl alcohol	2.5	1.766705E-02	5	1.906405E-02	10	1.790397E-02	25	0.0169066	50	0.0166562	250	1.650561E-02
tert-Amyl ethyl ether	0.5	0.6824261	1	0.6596976	2	0.6734211	5	0.6479509	10	0.6062625	50	0.6795288

INITIAL CALIBRATION DATA (Continued)

SW8260B

Laboratory: Empirical Laboratories, LLC
SDG: CTOJM29_002
Client: Tetra Tech NUS, Inc. (T010)
Project: Saufley Field Site 4 CTOJM29
Calibration: 1110001
Instrument: MS-VOA5
Matrix: Water
Calibration Dates: 4/15/11 9:53 4/15/11 17:45

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
Acetone							1		2	~~0.2395382~~	4	0.1062259
Acrolein	500.2	4.761912E-02	750.3	4.441414E-02	1000	4.446742E-02						
Acrylonitrile	499.8	9.624532E-02	749.7	0.0967836	999.6	9.945679E-02						
Benzene	100	0.8082567	150	0.8163695	200	0.7988039						
Bromobenzene	100	0.6227843	150	0.6086506	200	0.6133366						
Bromochloromethane	100	0.1302925	150	0.134319	200	0.130993						
Tert-Amyl Methyl Ether	100	0.6658783	150	0.687089	200	0.681037						
Bromodichloromethane	100	0.3180744	150	0.3272917	200	0.325512						
Bromoform	100	0.3779496	150	0.3790748	200	0.3705986						
Bromomethane	100	0.2381992	150	0.2519488	200	0.2510808						
Bromofluorobenzene							30	0.8695019	30	0.8691996	40	0.8060909
n-Butylbenzene	100	1.474875	150	1.431947	200	1.444853						
2-Butanone							1	0.1415871	2	0.1638124	4	0.150175
sec-Butylbenzene	100	1.901739	150	1.885204	200	1.850669						
tert-Butylbenzene	100	1.602518	150	1.609183	200	1.551959						
Carbon disulfide	100	0.6887554	150	0.6911361	200	0.68595						
Carbon tetrachloride	100	0.2509112	150	0.2571727	200	0.2633611						
Chlorobenzene	100	1.235874	150	1.215821	200	1.168307						
Chloroethane	100	0.2458709	150	0.2418009	200	0.2428498						
Chloroform	100	0.4073919	150	0.4212198	200	0.4175302						
2-Chloroethyl vinyl ether	199.5	0.175057	299.2	0.1795702	399	0.17956						
Chloromethane	100	0.4652296	150	0.4745201	200	0.4687825						
1-Chlorohexane	100.2	1.256774	150.3	1.25052	200.4	1.210453						
2-Chlorotoluene	100	1.52764	150	1.514417	200	1.503625						
4-Chlorotoluene	100	1.720962	150	1.745691	200	1.735362						
Cyclohexane	100	0.4088501	150	0.4185832	200	0.4205054						
Dibromochloromethane	100	0.5342505	150	0.5344027	200	0.5202787						
1,2-Dibromo-3-chloropropane	100	0.1245736	150	0.1227042	200	0.1233507						
1,2-Dibromoethane (EDB)	100	0.5329544	150	0.5193847	200	0.5009687						
Dibromomethane	100	0.1620901	150	0.1675086	200	0.1653088						
1,2-Dichlorobenzene	100	0.9798451	150	0.9607292	200	0.9510329						

INITIAL CALIBRATION DATA (Continued)

SW8260B

Laboratory: Empirical Laboratories, LLC
SDG: CTOJM29_002
Client: Tetra Tech NUS, Inc. (T010)
Project: Saufley Field Site 4 CTOJM29
Calibration: 1110001
Instrument: MS-VOA5
Matrix: Water
Calibration Dates: 4/15/11 9:53 4/15/11 17:45

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
1,3-Dichlorobenzene	100	1.028373	150	0.998828	200	1.002863						
1,4-Dichlorobenzene	100	1.0591	150	1.030866	200	1.009536						
Dichlorodifluoromethane	100	0.3117621	150	0.3095106	200	0.3036366						
1,1-Dichloroethane	100	0.4650846	150	0.4714799	200	0.4701173						
1,2-Dichloroethane	100	0.3454874	150	0.3557143	200	0.3525558						
1,1-Dichloroethene	100	0.204577	150	0.2000217	200	0.2103732						
cis-1,2-Dichloroethene	100	0.2594392	150	0.2625341	200	0.2612869						
trans-1,2-Dichloroethene	100	0.2320617	150	0.2404701	200	0.2408501						
1,2-Dichloroethene (total)	200	0.2457505	300	0.2515021	400	0.2510685						
1,2-Dichloropropane	100	0.2768431	150	0.2841096	200	0.2821266						
1,3-Dichloropropane	100	0.7927853	150	0.7731411	200	0.7493176						
2,2-Dichloropropane	100	0.305663	150	0.3168261	200	0.3142077						
1,1-Dichloropropene	100	0.3115563	150	0.3233728	200	0.3222422						
cis-1,3-Dichloropropene	100	0.3828268	150	0.3965628	200	0.395178						
trans-1,3-Dichloropropene	100	0.7696532	150	0.7817741	200	0.7646546						
1,3-Dichloropropene (total)	200	0.3653738	300	0.3800619	400	0.3801002						
Diisopropyl Ether	100	1.11285	150	1.134986	200	1.107778						
Ethylbenzene	100	1.937883	150	1.922859	200	1.8281						
Ethyl tert-Butyl Ether	100	0.8342713	150	0.8474832	200	0.8437941						
Ethyl Methacrylate	100	0.6893992	150	0.6995502	200	0.6764212						
Hexachlorobutadiene	100	0.2183398	150	0.2151024	200	0.2166238						
2-Hexanone							1	0.5026459	2	0.5797565	4	0.4901297
Iodomethane	100	0.2889175	150	0.3081212	200	0.3008402						
Isopropylbenzene	100	1.506733	150	1.473016	200	1.422801						
p-Isopropyltoluene	100	1.637658	150	1.625244	200	1.615128						
Methylene chloride	100	0.2516857	150	0.2554455	200	0.2533425						
Methyl Acetate	100	0.2201898	150	0.2211768	200	0.2256047						
Methylcyclohexane	100	0.2949703	150	0.3038449	200	0.3052717						
Naphthalene	100	1.347997	150	1.313537	200	1.294839						
Methyl Methacrylate	100	0.2694595	150	0.2856965	200	0.2875679						
4-Methyl-2-pentanone							1	0.2715508	2	0.2845776	4	0.2933364

INITIAL CALIBRATION DATA (Continued)

SW8260B

Laboratory: Empirical Laboratories, LLC
SDG: CTOJM29_002
Client: Tetra Tech NUS, Inc. (T010)
Project: Saufley Field Site 4 CTOJM29
Calibration: 1110001
Instrument: MS-VOA5
Matrix: Water
Calibration Dates: 4/15/11 9:53 4/15/11 17:45

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
Methyl t-Butyl Ether	100	0.5988705	150	0.6159157	200	0.6139185						
n-Propylbenzene	100	2.408552	150	2.369597	200	2.286507						
Styrene	100	1.294683	150	1.308169	200	1.270967						
1,1,2,2-Tetrachloroethane	100	0.713353	150	0.6930676	200	0.6933867						
1,1,1,2-Tetrachloroethane	100	0.475352	150	0.4757034	200	0.4682421						
tert-Butyl alcohol	500	2.167814E-02	750	2.229985E-02	1000	2.231197E-02						
Tetrachloroethene	100	0.4520485	150	0.4602833	200	0.448791						
Toluene	100	1.081687	150	1.095633	200	1.082227						
1,2,3-Trichlorobenzene	100	0.4923064	150	0.4935776	200	0.4830579						
1,2,4-Trichlorobenzene	100	0.5539334	150	0.560741	200	0.5458707						
1,1,2-Trichloroethane	100	0.4151994	150	0.4180961	200	0.3989418						
1,1,1-Trichloroethane	100	0.3158352	150	0.3216286	200	0.327623						
Tetrahydrofuran	100	7.667164E-02	150	7.949791E-02	200	7.960101E-02						
Trichloroethene	100	0.23727	150	0.2431529	200	0.2463272						
Trichlorofluoromethane	100	0.3969179	150	0.3949105	200	0.3914032						
1,2,3-Trichloropropane	100	0.1423161	150	0.1506411	200	0.1443797						
1,3,5-Trimethylbenzene	100	1.583804	150	1.575997	200	1.565018						
1,2,4-Trimethylbenzene	100	1.633456	150	1.64197	200	1.585531						
1,1,2-Trichloro-1,2,2-trifluoroethan	100	0.2067751	150	0.2062075	200	0.2127444						
Vinyl chloride	100	0.2340032	150	0.2065956	200	0.1971065						
m,p-Xylene	200	1.501925	300	1.462725	400	1.317357						
o-Xylene	100	1.565988	150	1.553286	200	1.508714						
Vinyl acetate	199.9	0.3826316	299.8	0.3832969	399.8	0.3787505						
Xylenes (total)	300	1.523279	450	1.492912	600	1.381143						
Dibromofluoromethane							30	0.305082	30	0.3121115	40	0.2808014
1,2-Dichloroethane-d4							30	0.060848	30	6.200351E-02	40	0.057634
Toluene-d8							30	2.175583	30	2.133059	40	1.993034
tert-Amyl alcohol	500	1.750579E-02	750	1.752437E-02	1000	1.792482E-02						
tert-Amyl ethyl ether	100	0.6929417	150	0.7127362	200	0.7089255						

INITIAL CALIBRATION DATA (Continued)

SW8260B

Laboratory: Empirical Laboratories, LLC
SDG: CTOJM29_002
Client: Tetra Tech NUS, Inc. (T010)
Project: Saufley Field Site 4 CTOJM29
Calibration: 1110001
Instrument: MS-VOA5
Matrix: Water
Calibration Dates: 4/15/11 9:53 4/15/11 17:45

Compound	Level 13		Level 14		Level 15		Level 16		Level 17		Level 18	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
Acetone	10	0.1058109	20	9.662517E-02	100	9.160077E-02	200	8.873568E-02	300	8.776138E-02	400	0.0912852
Acrolein												
Acrylonitrile												
Benzene												
Bromobenzene												
Bromochloromethane												
Tert-Amyl Methyl Ether												
Bromodichloromethane												
Bromoform												
Bromomethane												
Bromofluorobenzene	50	0.8179282	60	0.8024138	70	0.7653987	30	0.9016312	30	0.8719414	30	0.8837117
n-Butylbenzene												
2-Butanone	10	0.1154252	20	0.1283318	100	0.140829	200	0.1341546	300	0.1343933	400	0.1349522
sec-Butylbenzene												
tert-Butylbenzene												
Carbon disulfide												
Carbon tetrachloride												
Chlorobenzene												
Chloroethane												
Chloroform												
2-Chloroethyl vinyl ether												
Chloromethane												
1-Chlorohexane												
2-Chlorotoluene												
4-Chlorotoluene												
Cyclohexane												
Dibromochloromethane												
1,2-Dibromo-3-chloropropane												
1,2-Dibromoethane (EDB)												
Dibromomethane												
1,2-Dichlorobenzene												

INITIAL CALIBRATION DATA (Continued)

SW8260B

Laboratory: Empirical Laboratories, LLC
SDG: CTOJM29_002
Client: Tetra Tech NUS, Inc. (T010)
Project: Saufley Field Site 4 CTOJM29
Calibration: 1110001
Instrument: MS-VOA5
Matrix: Water
Calibration Dates: 4/15/11 9:53 4/15/11 17:45

Compound	Level 13		Level 14		Level 15		Level 16		Level 17		Level 18	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
1,3-Dichlorobenzene												
1,4-Dichlorobenzene												
Dichlorodifluoromethane												
1,1-Dichloroethane												
1,2-Dichloroethane												
1,1-Dichloroethene												
cis-1,2-Dichloroethene												
trans-1,2-Dichloroethene												
1,2-Dichloroethene (total)												
1,2-Dichloropropane												
1,3-Dichloropropane												
2,2-Dichloropropane												
1,1-Dichloropropene												
cis-1,3-Dichloropropene												
trans-1,3-Dichloropropene												
1,3-Dichloropropene (total)												
Diisopropyl Ether												
Ethylbenzene												
Ethyl tert-Butyl Ether												
Ethyl Methacrylate												
Hexachlorobutadiene												
2-Hexanone	10	0.4151944	20	0.4738867	100	0.4647011	200	0.4730331	300	0.4535798	400	0.4782568
Iodomethane												
Isopropylbenzene												
p-Isopropyltoluene												
Methylene chloride												
Methyl Acetate												
Methylcyclohexane												
Naphthalene												
Methyl Methacrylate												
4-Methyl-2-pentanone	10	0.2591883	20	0.2753029	100	0.2847717	200	0.2842831	300	0.2727058	400	0.2794371

INITIAL CALIBRATION DATA (Continued)

SW8260B

Laboratory: Empirical Laboratories, LLC
SDG: CTOJM29_002
Client: Tetra Tech NUS, Inc. (T010)
Project: Saufley Field Site 4 CTOJM29
Calibration: 1110001
Instrument: MS-VOA5
Matrix: Water
Calibration Dates: 4/15/11 9:53 4/15/11 17:45

Compound	Level 13		Level 14		Level 15		Level 16		Level 17		Level 18	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
Methyl t-Butyl Ether												
n-Propylbenzene												
Styrene												
1,1,2,2-Tetrachloroethane												
1,1,1,2-Tetrachloroethane												
tert-Butyl alcohol												
Tetrachloroethene												
Toluene												
1,2,3-Trichlorobenzene												
1,2,4-Trichlorobenzene												
1,1,2-Trichloroethane												
1,1,1-Trichloroethane												
Tetrahydrofuran												
Trichloroethene												
Trichlorofluoromethane												
1,2,3-Trichloropropane												
1,3,5-Trimethylbenzene												
1,2,4-Trimethylbenzene												
1,1,2-Trichloro-1,2,2-trifluoroethan												
Vinyl chloride												
m,p-Xylene												
o-Xylene												
Vinyl acetate												
Xylenes (total)												
Dibromofluoromethane	50	0.2831616	60	0.2832524	70	0.2746393	30	0.3029928	30	0.2980317	30	0.2988701
1,2-Dichloroethane-d4	50	6.188906E-02	60	5.667148E-02	70	5.616298E-02	30	0.0631027	30	5.735518E-02	30	5.957207E-02
Toluene-d8	50	1.973692	60	1.954738	70	1.847237	30	2.162138	30	2.08284	30	2.181926
tert-Amyl alcohol												
tert-Amyl ethyl ether												

INITIAL CALIBRATION DATA (Continued)

SW8260B

Laboratory: Empirical Laboratories, LLC
SDG: CTOJM29_002
Client: Tetra Tech NUS, Inc. (T010)
Project: Saufley Field Site 4 CTOJM29
Calibration: 1110001
Instrument: MS-VOA5
Matrix: Water
Calibration Dates: 4/15/11 9:53 4/15/11 17:45

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
Acetone	0.095435	8.130072	3.761286	9.346288E-02			15	
Acrolein	5.338917E-02	25.4234	3.639333	0.1077746	0.9990652		0.995	
Acrylonitrile	9.529337E-02	7.569294	4.589333	0.1474434			15	
Benzene	0.8165687	6.399931	7.650444	5.168866E-02			15	
Bromobenzene	0.622891	4.364366	12.40278	5.143733E-02			15	
Bromochloromethane	0.1322805	12.97677	6.738889	0.0928818			15	
Tert-Amyl Methyl Ether	0.6611555	6.555788	7.841111	7.572897E-02			15	
Bromodichloromethane	0.3200121	9.249059	8.636667	6.813749E-02			15	
Bromoform	0.3605704	7.045665	11.81067	5.905082E-02			SPCC (0.1)	
Bromomethane	0.2069788	16.64528	2.818556	0.1637358	0.9991868		0.995	
Bromofluorobenzene	0.8430908	5.464727	12.24611	1.755882E-02			15	
n-Butylbenzene	1.504611	6.561854	13.83644	3.032147E-02			15	
2-Butanone	0.1381845	9.827188	6.202444	5.654298E-02			15	
sec-Butylbenzene	1.956089	7.131853	13.29478	2.976972E-02			15	
tert-Butylbenzene	1.609584	9.357792	13.06044	5.049762E-02			15	
Carbon disulfide	0.6773833	4.033366	4.763333	4.957716E-02			15	
Carbon tetrachloride	0.2397952	7.491069	7.617778	6.986726E-02			15	
Chlorobenzene	1.27837	6.608143	11.08278	5.423621E-02			SPCC (0.3)	
Chloroethane	0.2523708	10.49478	2.951	0.1958913			15	
Chloroform	0.4294733	10.46046	6.715889	8.754408E-02			CCC (20)	
2-Chloroethyl vinyl ether	0.1717231	5.52504	8.994556	6.848219E-02			15	
Chloromethane	0.4745789	7.851537	2.228667	0.1926709			SPCC (0.1)	
1-Chlorohexane	1.344992	11.02804	11.049	3.869327E-02			15	
2-Chlorotoluene	1.535306	9.158972	12.625	3.281746E-02			15	
4-Chlorotoluene	1.734834	5.262659	12.68844	4.818632E-02			15	
Cyclohexane	0.4138601	6.775805	7.549889	5.761858E-02			15	
Dibromochloromethane	0.5303833	3.2862	10.31456	6.028785E-02			15	
1,2-Dibromo-3-chloropropane	0.1125661	12.02491	14.44125	3.902792E-02			15	
1,2-Dibromoethane (EDB)	0.5576892	9.147644	10.52789	5.679238E-02			15	
Dibromomethane	0.1598632	6.798654	8.573222	6.249779E-02			15	
1,2-Dichlorobenzene	0.9737531	6.602409	13.79711	3.249335E-02			15	
1,3-Dichlorobenzene	1.069325	10.20858	13.38444	4.478999E-02			15	

INITIAL CALIBRATION DATA (Continued)

SW8260B

Laboratory: Empirical Laboratories, LLC
SDG: CTOJM29_002
Client: Tetra Tech NUS, Inc. (T010)
Project: Saufley Field Site 4 CTOJM29
Calibration: 1110001
Instrument: MS-VOA5
Matrix: Water
Calibration Dates: 4/15/11 9:53 4/15/11 17:45

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
1,4-Dichlorobenzene	1.125829	14.93571	13.47644	4.420105E-02			15	
Dichlorodifluoromethane	0.2985279	5.170388	2.017222	0.1785951	0.9997339		0.995	
1,1-Dichloroethane	0.4614852	7.557788	5.750445	9.968297E-02			SPCC (0.1)	
1,2-Dichloroethane	0.3353382	6.162455	7.478667	8.089861E-02			15	
1,1-Dichloroethene	0.2191262	13.53056	4.228111	0.1783801			CCC (20)	
cis-1,2-Dichloroethene	0.2631228	9.248231	6.459889	8.951479E-02			15	
trans-1,2-Dichloroethene	0.2436546	12.59655	5.375111	0.1345106			15	
1,2-Dichloroethene (total)	0.2533887	9.456715	0	0			15	
1,2-Dichloropropane	0.2855651	8.528436	8.460444	7.290993E-02			CCC (20)	
1,3-Dichloropropane	0.8114537	6.040153	10.05411	0.0399961			15	
2,2-Dichloropropane	0.3095193	8.274472	6.569333	9.334919E-02			15	
1,1-Dichloropropene	0.3108414	6.366392	7.497444	8.152097E-02			15	
cis-1,3-Dichloropropene	0.3753906	7.176617	9.211445	6.630273E-02			15	
trans-1,3-Dichloropropene	0.7331598	6.458765	9.686222	5.472616E-02			15	
1,3-Dichloropropene (total)	0.3472984	7.996073	9.686222	5.472616E-02			15	
Diisopropyl Ether	1.080593	3.893299	6.121667	6.412666E-02			15	
Ethylbenzene	2.034033	6.673525	11.22944	0.0629414			CCC (20)	
Ethyl tert-Butyl Ether	0.8248362	5.044401	6.587778	7.160754E-02			15	
Ethyl Methacrylate	0.712546	5.877163	9.872444	5.863743E-02			15	
Hexachlorobutadiene	0.2336594	14.11394	15.80222	3.541708E-02			15	
2-Hexanone	0.4812427	9.22694	9.992778	3.236776E-02			15	
Iodomethane	0.2291179	30.40252	4.4235	0.1630534	0.9990179		0.995	
Isopropylbenzene	1.559553	8.952109	12.13022	3.579421E-02			15	
p-Isopropyltoluene	1.67706	6.663178	13.43278	2.871329E-02			15	
Methylene chloride	0.2560903	7.621563	4.710375	0.1147551			15	
Methyl Acetate	0.243392	26.37392	4.575	9.409387E-02	0.999715		0.995	
Methylcyclohexane	0.3004004	8.944592	8.791	4.837696E-02			15	
Naphthalene	1.327067	5.143918	15.67311	3.798954E-02			15	
Methyl Methacrylate	0.2826983	13.92008	7.548778	7.251518E-02			15	
4-Methyl-2-pentanone	0.2783504	3.582551	9.140111	2.964067E-02			15	
Methyl t-Butyl Ether	0.5601073	13.42515	5.375111	7.721725E-02			15	
n-Propylbenzene	2.48505	6.85256	12.53956	5.596903E-02			15	

INITIAL CALIBRATION DATA (Continued)

SW8260B

Laboratory: Empirical Laboratories, LLC
SDG: CTOJM29_002
Client: Tetra Tech NUS, Inc. (T010)
Project: Saufley Field Site 4 CTOJM29
Calibration: 1110001
Instrument: MS-VOA5
Matrix: Water
Calibration Dates: 4/15/11 9:53 4/15/11 17:45

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
Styrene	1.314151	5.413242	11.70344	5.177519E-02			15	
1,1,2,2-Tetrachloroethane	0.7120744	7.923079	12.05467	5.038292E-02			SPCC (0.3)	
1,1,1,2-Tetrachloroethane	0.4766101	6.262437	11.12456	4.672365E-02			15	
tert-Butyl alcohol	2.184747E-02	10.65008	4.374778	0.1799545			15	
Tetrachloroethene	0.4624975	10.6729	10.424	5.774833E-02			15	
Toluene	1.118865	6.198212	9.688333	5.751295E-02			CCC (20)	
1,2,3-Trichlorobenzene	0.510204	11.15195	15.95856	3.955662E-02			15	
1,2,4-Trichlorobenzene	0.5978181	13.4198	15.521	2.557265E-02			15	
1,1,2-Trichloroethane	0.4520995	10.62213	9.842667	6.054729E-02			15	
1,1,1-Trichloroethane	0.3137102	6.314808	7.277333	7.972291E-02			15	
Tetrahydrofuran	8.753059E-02	24.39609	6.928	8.088625E-02	0.9995802		0.995	
Trichloroethene	0.2384711	6.483154	8.412333	8.104842E-02			15	
Trichlorofluoromethane	0.4040041	4.421798	3.443333	0.0711888			15	
1,2,3-Trichloropropane	0.1604519	12.94579	12.18167	0.049631			15	
1,3,5-Trimethylbenzene	1.631689	7.556347	12.71789	0.0493266			15	
1,2,4-Trimethylbenzene	1.658949	7.474238	13.09133	5.295763E-02			15	
1,1,2-Trichloro-1,2,2-trifluoroethane	0.2072873	8.432636	4.302556	0.1663512			15	
Vinyl chloride	0.3152422	29.09972	2.374222	0.1915386		0.9981236	CCC (20)	*
m,p-Xylene	1.557766	9.078421	11.34	6.848237E-02			15	
o-Xylene	1.652495	8.873298	11.73289	5.401407E-02			15	
Vinyl acetate	0.3762815	6.768409	5.822778	0.1039803			15	
Xylenes (total)	1.589343	8.838143	0	0			15	
Dibromofluoromethane	0.2932159	4.427291	6.893333	0.0409069			15	
1,2-Dichloroethane-d4	0.059471	4.368149	7.391111	4.109608E-02			15	
Toluene-d8	2.056027	5.771716	9.617222	3.111463E-02			15	
tert-Amyl alcohol	1.751761E-02	4.453294	7.088	8.142149E-02			15	
tert-Amyl ethyl ether	0.6737656	4.880926	8.727444	6.940179E-02			15	

INITIAL CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	CTOJM29_002
Client:	Tetra Tech NUS, Inc. (T010)	Project:	Saufley Field Site 4 CTOJM29
Instrument ID:	MS-VOA5	Calibration:	1110001
Lab File ID:	0415ICV2.D	Calibration Date:	04/15/11 09:53
Sequence:	1D10810	Injection Date:	04/15/11
Lab Sample ID:	1D10810-ICV2	Injection Time:	14:01

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)
Benzene	A	100.0	101.0	0.8165687	0.824451		1.0	20
Carbon tetrachloride	A	100.0	107.2	0.2397952	0.2570399		7.2	20
Chlorobenzene	A	100.0	101.7	1.27837	1.300708	0.3	1.7	20
Chloroethane	A	100.0	93.79	0.2523708	0.2366934		-6.2	20
2-Chloroethyl vinyl ether	A	199.5	231.7	0.1717231	0.1989243		15.8	20
Dibromochloromethane	A	100.0	106.8	0.5303833	0.5662585		6.8	20
1,2-Dichlorobenzene	A	100.0	102.7	0.9737531	1.0004		2.7	20
1,3-Dichlorobenzene	A	100.0	97.34	1.069325	1.040926		-2.7	20
1,4-Dichlorobenzene	A	100.0	95.30	1.125829	1.072881		-4.7	20
Dichlorodifluoromethane	L	100.0	118.6	0.2985279	0.3640635		18.6	20
1,1-Dichloroethane	A	100.0	102.7	0.4614852	0.4740397	0.1	2.7	20
1,2-Dichloroethane	A	100.0	104.8	0.3353382	0.351463		4.8	20
1,1-Dichloroethene	A	100.0	99.74	0.2191262	0.2185616		-0.3	20
cis-1,2-Dichloroethene	A	100.0	98.50	0.2631228	0.2591797		-1.5	20
trans-1,2-Dichloroethene	A	100.0	99.02	0.2436546	0.241263		-1.0	20
1,2-Dichloropropane	A	100.0	100.1	0.2855651	0.2858466		0.1	20
cis-1,3-Dichloropropene	A	100.0	100.3	0.3753906	0.3764082		0.3	20
trans-1,3-Dichloropropene	A	100.0	117.0	0.7331598	0.8574418		17.0	20
Ethylbenzene	A	100.0	99.98	2.034033	2.033602		-0.02	20
Isopropylbenzene	A	100.0	106.1	1.559553	1.654837		6.1	20
Methylene chloride	A	100.0	101.1	0.2560903	0.2589239		1.1	20
Methyl t-Butyl Ether	A	100.0	107.3	0.5601073	0.6009371		7.3	20
1,1,2,2-Tetrachloroethane	A	100.0	99.25	0.7120744	0.7067488	0.3	-0.7	20
Tetrachloroethene	A	100.0	105.7	0.4624975	0.488637		5.7	20
Toluene	A	100.0	100.4	1.118865	1.123341		0.4	20
1,2,4-Trichlorobenzene	A	100.0	94.82	0.5978181	0.5668317		-5.2	20
1,1,2-Trichloroethane	A	100.0	93.72	0.4520995	0.4236851		-6.3	20
1,1,1-Trichloroethane	A	100.0	101.5	0.3137102	0.3183372		1.5	20
Trichloroethene	A	100.0	104.8	0.2384711	0.2498765		4.8	20

INITIAL CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	CTOJM29_002
Client:	Tetra Tech NUS, Inc. (T010)	Project:	Saufley Field Site 4 CTOJM29
Instrument ID:	MS-VOA5	Calibration:	1110001
Lab File ID:	0415ICV2.D	Calibration Date:	04/15/11 09:53
Sequence:	1D10810	Injection Date:	04/15/11
Lab Sample ID:	1D10810-ICV2	Injection Time:	14:01

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)
Vinyl chloride	Q	100.0	102.4	0.3152422	0.2413318		2.4	20
Xylenes (total)	A	300.0	298.9	1.589343	1.583136		-0.4	20
Bromofluorobenzene	A	30.00	29.40	0.8430908	0.8261078		-2.0	20
Dibromofluoromethane	A	30.00	31.09	0.2932159	0.3038724		3.6	20
1,2-Dichloroethane-d4	A	30.00	31.37	0.059471	6.218618E-02		4.6	20
Toluene-d8	A	30.00	29.51	2.056027	2.022546		-1.6	20

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	CTOJM29_002
Client:	Tetra Tech NUS, Inc. (T010)	Project:	Saufley Field Site 4 CTOJM29
Instrument ID:	MS-VOA5	Calibration:	1110001
Lab File ID:	0422CC1.D	Calibration Date:	04/15/11 09:53
Sequence:	1D11511	Injection Date:	04/22/11
Lab Sample ID:	1D11511-CCV1	Injection Time:	06:59

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
Benzene	A	100.0	119.7	0.8165687	0.977664		19.7	20	
Carbon tetrachloride	A	100.0	109.5	0.2397952	0.2625106		9.5	20	
Chlorobenzene	A	100.0	104.4	1.27837	1.33506	0.3	4.4	20	
Chloroethane	A	100.0	113.3	0.2523708	0.2859383		13.3	20	
2-Chloroethyl vinyl ether	A	199.5	215.5	0.1717231	0.1849993		7.7	20	
Dibromochloromethane	A	100.0	106.0	0.5303833	0.5622799		6.0	20	
1,2-Dichlorobenzene	A	100.0	112.6	0.9737531	1.096668		12.6	20	
1,3-Dichlorobenzene	A	100.0	106.4	1.069325	1.137644		6.4	20	
1,4-Dichlorobenzene	A	100.0	103.2	1.125829	1.161538		3.2	20	
Dichlorodifluoromethane	L	100.0	101.8	0.2985279	0.3125394		1.8	20	
1,1-Dichloroethane	A	100.0	123.6	0.4614852	0.570255	0.1	23.6	20	*
1,2-Dichloroethane	A	100.0	113.0	0.3353382	0.3790498		13.0	20	
1,1-Dichloroethene	A	100.0	114.4	0.2191262	0.2507227		14.4	20	
cis-1,2-Dichloroethene	A	100.0	113.7	0.2631228	0.2992265		13.7	20	
trans-1,2-Dichloroethene	A	100.0	114.5	0.2436546	0.2789223		14.5	20	
1,2-Dichloropropane	A	100.0	120.1	0.2855651	0.343071		20.1	20	*
cis-1,3-Dichloropropene	A	100.0	112.1	0.3753906	0.420988		12.1	20	
trans-1,3-Dichloropropene	A	100.0	115.4	0.7331598	0.8460737		15.4	20	
Ethylbenzene	A	100.0	110.5	2.034033	2.247792		10.5	20	
Isopropylbenzene	A	100.0	107.9	1.559553	1.682208		7.9	20	
Methylene chloride	A	100.0	118.4	0.2560903	0.3032267		18.4	20	
Methyl t-Butyl Ether	A	100.0	119.1	0.5601073	0.6669119		19.1	20	
1,1,2,2-Tetrachloroethane	A	100.0	112.5	0.7120744	0.8009584	0.3	12.5	20	
Tetrachloroethene	A	100.0	109.8	0.4624975	0.5078674		9.8	20	
Toluene	A	100.0	106.4	1.118865	1.191081		6.5	20	
1,2,4-Trichlorobenzene	A	100.0	106.2	0.5978181	0.6346517		6.2	20	
1,1,2-Trichloroethane	A	100.0	101.3	0.4520995	0.4579541		1.3	20	
1,1,1-Trichloroethane	A	100.0	107.8	0.3137102	0.3380589		7.8	20	
Trichloroethene	A	100.0	116.7	0.2384711	0.278381		16.7	20	

CONTINUING CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	CTOJM29_002
Client:	Tetra Tech NUS, Inc. (T010)	Project:	Saufley Field Site 4 CTOJM29
Instrument ID:	MS-VOA5	Calibration:	1110001
Lab File ID:	0422CC1.D	Calibration Date:	04/15/11 09:53
Sequence:	1D11511	Injection Date:	04/22/11
Lab Sample ID:	1D11511-CCV1	Injection Time:	06:59

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Vinyl chloride	Q	100.0	93.45	0.3152422	0.225451		-6.6	20
Xylenes (total)	A	300.0	329.7	1.589343	1.745396		9.8	20
Bromofluorobenzene	A	30.00	28.41	0.8430908	0.7983541		-5.3	20
Dibromofluoromethane	A	30.00	32.04	0.2932159	0.3131251		6.8	20
1,2-Dichloroethane-d4	A	30.00	32.17	0.059471	6.376651E-02		7.2	20
Toluene-d8	A	30.00	28.85	2.056027	1.977452		-3.8	20

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	CTOJM29_002
Client:	Tetra Tech NUS, Inc. (T010)	Project:	Saufley Field Site 4 CTOJM29
Instrument ID:	MS-VOA5	Calibration:	1110001
Lab File ID:	0423CC1.D	Calibration Date:	04/15/11 09:53
Sequence:	1D11618	Injection Date:	04/23/11
Lab Sample ID:	1D11618-CCV1	Injection Time:	11:18

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Benzene	A	100.0	105.2	0.8165687	0.8588998		5.2	20
Carbon tetrachloride	A	100.0	104.7	0.2397952	0.251089		4.7	20
Chlorobenzene	A	100.0	94.45	1.27837	1.207384	0.3	-5.6	20
Chloroethane	A	100.0	95.83	0.2523708	0.2418447		-4.2	20
2-Chloroethyl vinyl ether	A	199.5	199.6	0.1717231	0.1713556		-0.2	20
Dibromochloromethane	A	100.0	96.32	0.5303833	0.5108809		-3.7	20
1,2-Dichlorobenzene	A	100.0	98.43	0.9737531	0.9584319		-1.6	20
1,3-Dichlorobenzene	A	100.0	95.55	1.069325	1.021731		-4.5	20
1,4-Dichlorobenzene	A	100.0	91.58	1.125829	1.031068		-8.4	20
Dichlorodifluoromethane	L	100.0	104.5	0.2985279	0.3209559		4.5	20
1,1-Dichloroethane	A	100.0	106.4	0.4614852	0.4909805	0.1	6.4	20
1,2-Dichloroethane	A	100.0	106.6	0.3353382	0.357555		6.6	20
1,1-Dichloroethene	A	100.0	104.6	0.2191262	0.2292261		4.6	20
cis-1,2-Dichloroethene	A	100.0	100.4	0.2631228	0.2641077		0.4	20
trans-1,2-Dichloroethene	A	100.0	99.71	0.2436546	0.24296		-0.3	20
1,2-Dichloropropane	A	100.0	102.3	0.2855651	0.2920202		2.3	20
cis-1,3-Dichloropropene	A	100.0	100.8	0.3753906	0.3782416		0.8	20
trans-1,3-Dichloropropene	A	100.0	105.5	0.7331598	0.7736517		5.5	20
Ethylbenzene	A	100.0	96.82	2.034033	1.969334		-3.2	20
Isopropylbenzene	A	100.0	95.95	1.559553	1.496463		-4.0	20
Methylene chloride	A	100.0	101.7	0.2560903	0.2604907		1.7	20
Methyl t-Butyl Ether	A	100.0	111.7	0.5601073	0.6257507		11.7	20
1,1,2,2-Tetrachloroethane	A	100.0	99.56	0.7120744	0.708916	0.3	-0.4	20
Tetrachloroethene	A	100.0	97.58	0.4624975	0.4512895		-2.4	20
Toluene	A	100.0	96.09	1.118865	1.075151		-3.9	20
1,2,4-Trichlorobenzene	A	100.0	92.84	0.5978181	0.5549996		-7.2	20
1,1,2-Trichloroethane	A	100.0	90.60	0.4520995	0.4095961		-9.4	20
1,1,1-Trichloroethane	A	100.0	100.3	0.3137102	0.3146804		0.3	20
Trichloroethene	A	100.0	104.0	0.2384711	0.2481406		4.1	20

CONTINUING CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	CTOJM29_002
Client:	Tetra Tech NUS, Inc. (T010)	Project:	Saufley Field Site 4 CTOJM29
Instrument ID:	MS-VOA5	Calibration:	1110001
Lab File ID:	0423CC1.D	Calibration Date:	04/15/11 09:53
Sequence:	1D11618	Injection Date:	04/23/11
Lab Sample ID:	1D11618-CCV1	Injection Time:	11:18

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Vinyl chloride	Q	100.0	81.80	0.3152422	0.2037909		-18.2	20
Xylenes (total)	A	300.0	289.7	1.589343	1.534165		-3.5	20
Bromofluorobenzene	A	30.00	28.22	0.8430908	0.7931201		-5.9	20
Dibromofluoromethane	A	30.00	31.75	0.2932159	0.3103418		5.8	20
1,2-Dichloroethane-d4	A	30.00	31.85	0.059471	6.314256E-02		6.2	20
Toluene-d8	A	30.00	28.67	2.056027	1.964909		-4.4	20

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

ANALYSIS DATA SHEET

Blank

Laboratory: Empirical Laboratories, LLC SDG: CTOJM29_002

Client: Tetra Tech NUS, Inc. (T010) Project: Saufley Field Site 4 CTOJM29

Matrix: Laboratory ID: 1D22008-BLK1 File ID: 0422BL1.D

Sampled: Prepared: Analyzed: 04/22/11 08:38

Solids: Preparation: 5030B Dilution:

Batch: 1D22008 Sequence: 1D11511 Calibration: 1110001 Instrument: MS-VOA5

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
71-43-2	Benzene		0.250	0.500	1.00	U
56-23-5	Carbon tetrachloride		0.250	0.500	1.00	U
108-90-7	Chlorobenzene		0.250	0.500	1.00	U
75-00-3	Chloroethane		0.500	1.00	2.00	U
110-75-8	2-Chloroethyl vinyl ether		1.25	2.50	5.00	U
124-48-1	Dibromochloromethane		0.250	0.500	1.00	U
95-50-1	1,2-Dichlorobenzene		0.250	0.500	1.00	U
541-73-1	1,3-Dichlorobenzene		0.250	0.500	1.00	U
106-46-7	1,4-Dichlorobenzene		0.250	0.500	1.00	U
75-34-3	1,1-Dichloroethane		0.250	0.500	1.00	X, U
107-06-2	1,2-Dichloroethane		0.250	0.500	1.00	U
75-35-4	1,1-Dichloroethene		0.250	0.500	1.00	U
156-59-2	cis-1,2-Dichloroethene		0.250	0.500	1.00	U
156-60-5	trans-1,2-Dichloroethene		0.250	0.500	1.00	U
78-87-5	1,2-Dichloropropane		0.250	0.500	1.00	X, U
10061-01-5	cis-1,3-Dichloropropene		0.250	0.500	1.00	U
10061-02-6	trans-1,3-Dichloropropene		0.250	0.500	1.00	U
100-41-4	Ethylbenzene		0.250	0.500	1.00	U
98-82-8	Isopropylbenzene		0.250	0.500	1.00	U
75-09-2	Methylene chloride		0.500	1.00	2.00	U
1634-04-4	Methyl t-Butyl Ether		0.250	0.500	1.00	U
79-34-5	1,1,2,2-Tetrachloroethane		0.250	0.500	1.00	U
127-18-4	Tetrachloroethene		0.250	0.500	1.00	U
108-88-3	Toluene		0.250	0.500	1.00	U
120-82-1	1,2,4-Trichlorobenzene	0.523	0.250	0.500	1.00	I
79-00-5	1,1,2-Trichloroethane		0.250	0.500	1.00	U
71-55-6	1,1,1-Trichloroethane		0.250	0.500	1.00	U
79-01-6	Trichloroethene		0.250	0.500	1.00	U
75-01-4	Vinyl chloride		0.250	0.500	1.00	U
1330-20-7	Xylenes (total)		0.750	1.50	3.00	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	30.21	101	75 - 120	
Dibromofluoromethane	30.00	28.51	95.0	85 - 115	
1,2-Dichloroethane-d4	30.00	29.64	98.8	70 - 120	
Toluene-d8	30.00	31.87	106	85 - 120	

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC SDG: CTOJM29_002

Client: Tetra Tech NUS, Inc. (T010) Project: Saufley Field Site 4 CTOJM29

Matrix: Laboratory ID: 1D22008-BS1 File ID: 0422LS1.D

Sampled: Prepared: Analyzed: 04/22/11 07:24

Solids: Preparation: 5030B Dilution:

Batch: 1D22008 Sequence: 1D11511 Calibration: 1110001 Instrument: MS-VOA5

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
71-43-2	Benzene	53.4	0.250	0.500	1.00	
56-23-5	Carbon tetrachloride	49.6	0.250	0.500	1.00	
108-90-7	Chlorobenzene	52.0	0.250	0.500	1.00	
75-00-3	Chloroethane	46.3	0.500	1.00	2.00	
110-75-8	2-Chloroethyl vinyl ether	108	1.25	2.50	5.00	
124-48-1	Dibromochloromethane	50.2	0.250	0.500	1.00	
95-50-1	1,2-Dichlorobenzene	52.8	0.250	0.500	1.00	
541-73-1	1,3-Dichlorobenzene	50.5	0.250	0.500	1.00	
106-46-7	1,4-Dichlorobenzene	47.8	0.250	0.500	1.00	
75-71-8	Dichlorodifluoromethane	40.8	0.500	1.00	2.00	
75-34-3	1,1-Dichloroethane	55.0	0.250	0.500	1.00	X
107-06-2	1,2-Dichloroethane	51.4	0.250	0.500	1.00	
75-35-4	1,1-Dichloroethene	51.0	0.250	0.500	1.00	
156-59-2	cis-1,2-Dichloroethene	52.0	0.250	0.500	1.00	
156-60-5	trans-1,2-Dichloroethene	51.3	0.250	0.500	1.00	
78-87-5	1,2-Dichloropropane	53.6	0.250	0.500	1.00	X
10061-01-5	cis-1,3-Dichloropropene	48.7	0.250	0.500	1.00	
10061-02-6	trans-1,3-Dichloropropene	56.4	0.250	0.500	1.00	
100-41-4	Ethylbenzene	52.6	0.250	0.500	1.00	
98-82-8	Isopropylbenzene	54.7	0.250	0.500	1.00	
75-09-2	Methylene chloride	51.1	0.500	1.00	2.00	
1634-04-4	Methyl t-Butyl Ether	52.3	0.250	0.500	1.00	
79-34-5	1,1,2,2-Tetrachloroethane	53.1	0.250	0.500	1.00	
127-18-4	Tetrachloroethene	53.9	0.250	0.500	1.00	
108-88-3	Toluene	50.7	0.250	0.500	1.00	
120-82-1	1,2,4-Trichlorobenzene	52.2	0.250	0.500	1.00	B
79-00-5	1,1,2-Trichloroethane	49.9	0.250	0.500	1.00	
71-55-6	1,1,1-Trichloroethane	47.8	0.250	0.500	1.00	
79-01-6	Trichloroethene	52.8	0.250	0.500	1.00	
75-01-4	Vinyl chloride	37.5	0.250	0.500	1.00	
1330-20-7	Xylenes (total)	154	0.750	1.50	3.00	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	29.94	99.8	75 - 120	
Dibromofluoromethane	30.00	32.18	107	85 - 115	
1,2-Dichloroethane-d4	30.00	29.67	98.9	70 - 120	
Toluene-d8	30.00	30.97	103	85 - 120	

ANALYSIS DATA SHEET

Blank

Laboratory: Empirical Laboratories, LLC SDG: CTOJM29_002

Client: Tetra Tech NUS, Inc. (T010) Project: Saufley Field Site 4 CTOJM29

Matrix: Laboratory ID: 1D22024-BLK1 File ID: 0423BL1.D

Sampled: Prepared: Analyzed: 04/23/11 13:09

Solids: Preparation: 5030B Dilution:

Batch: 1D22024 Sequence: 1D11618 Calibration: 1110001 Instrument: MS-VOA5

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
71-43-2	Benzene		0.250	0.500	1.00	U
56-23-5	Carbon tetrachloride		0.250	0.500	1.00	U
108-90-7	Chlorobenzene		0.250	0.500	1.00	U
75-00-3	Chloroethane		0.500	1.00	2.00	U
110-75-8	2-Chloroethyl vinyl ether		1.25	2.50	5.00	U
124-48-1	Dibromochloromethane		0.250	0.500	1.00	U
95-50-1	1,2-Dichlorobenzene		0.250	0.500	1.00	U
541-73-1	1,3-Dichlorobenzene		0.250	0.500	1.00	U
106-46-7	1,4-Dichlorobenzene		0.250	0.500	1.00	U
75-34-3	1,1-Dichloroethane		0.250	0.500	1.00	U
107-06-2	1,2-Dichloroethane		0.250	0.500	1.00	U
75-35-4	1,1-Dichloroethene		0.250	0.500	1.00	U
156-59-2	cis-1,2-Dichloroethene		0.250	0.500	1.00	U
156-60-5	trans-1,2-Dichloroethene		0.250	0.500	1.00	U
78-87-5	1,2-Dichloropropane		0.250	0.500	1.00	U
10061-01-5	cis-1,3-Dichloropropene		0.250	0.500	1.00	U
10061-02-6	trans-1,3-Dichloropropene		0.250	0.500	1.00	U
100-41-4	Ethylbenzene		0.250	0.500	1.00	U
98-82-8	Isopropylbenzene		0.250	0.500	1.00	U
75-09-2	Methylene chloride		0.500	1.00	2.00	U
1634-04-4	Methyl t-Butyl Ether		0.250	0.500	1.00	U
79-34-5	1,1,2,2-Tetrachloroethane		0.250	0.500	1.00	U
127-18-4	Tetrachloroethene		0.250	0.500	1.00	U
108-88-3	Toluene		0.250	0.500	1.00	U
120-82-1	1,2,4-Trichlorobenzene		0.250	0.500	1.00	U
79-00-5	1,1,2-Trichloroethane		0.250	0.500	1.00	U
71-55-6	1,1,1-Trichloroethane		0.250	0.500	1.00	U
79-01-6	Trichloroethene		0.250	0.500	1.00	U
75-01-4	Vinyl chloride		0.250	0.500	1.00	U
1330-20-7	Xylenes (total)		0.750	1.50	3.00	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	30.01	100	75 - 120	
Dibromofluoromethane	30.00	34.31	114	85 - 115	
1,2-Dichloroethane-d4	30.00	36.27	121	70 - 120	
Toluene-d8	30.00	31.28	104	85 - 120	

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC SDG: CTOJM29_002

Client: Tetra Tech NUS, Inc. (T010) Project: Saufley Field Site 4 CTOJM29

Matrix: Laboratory ID: 1D22024-BS1 File ID: 0423LS1.D

Sampled: Prepared: Analyzed: 04/23/11 11:53

Solids: Preparation: 5030B Dilution:

Batch: 1D22024 Sequence: 1D11618 Calibration: 1110001 Instrument: MS-VOA5

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
71-43-2	Benzene	51.1	0.250	0.500	1.00	
56-23-5	Carbon tetrachloride	50.9	0.250	0.500	1.00	
108-90-7	Chlorobenzene	48.2	0.250	0.500	1.00	
75-00-3	Chloroethane	44.4	0.500	1.00	2.00	
110-75-8	2-Chloroethyl vinyl ether	117	1.25	2.50	5.00	
124-48-1	Dibromochloromethane	49.8	0.250	0.500	1.00	
95-50-1	1,2-Dichlorobenzene	48.7	0.250	0.500	1.00	
541-73-1	1,3-Dichlorobenzene	47.2	0.250	0.500	1.00	
106-46-7	1,4-Dichlorobenzene	44.4	0.250	0.500	1.00	
75-71-8	Dichlorodifluoromethane	61.0	0.500	1.00	2.00	
75-34-3	1,1-Dichloroethane	53.4	0.250	0.500	1.00	
107-06-2	1,2-Dichloroethane	54.0	0.250	0.500	1.00	
75-35-4	1,1-Dichloroethene	50.9	0.250	0.500	1.00	
156-59-2	cis-1,2-Dichloroethene	50.4	0.250	0.500	1.00	
156-60-5	trans-1,2-Dichloroethene	48.9	0.250	0.500	1.00	
78-87-5	1,2-Dichloropropane	50.4	0.250	0.500	1.00	
10061-01-5	cis-1,3-Dichloropropene	49.1	0.250	0.500	1.00	
10061-02-6	trans-1,3-Dichloropropene	54.9	0.250	0.500	1.00	
100-41-4	Ethylbenzene	49.0	0.250	0.500	1.00	
98-82-8	Isopropylbenzene	50.5	0.250	0.500	1.00	
75-09-2	Methylene chloride	50.3	0.500	1.00	2.00	
1634-04-4	Methyl t-Butyl Ether	55.7	0.250	0.500	1.00	
79-34-5	1,1,2,2-Tetrachloroethane	51.4	0.250	0.500	1.00	
127-18-4	Tetrachloroethene	49.3	0.250	0.500	1.00	
108-88-3	Toluene	47.8	0.250	0.500	1.00	
120-82-1	1,2,4-Trichlorobenzene	47.4	0.250	0.500	1.00	
79-00-5	1,1,2-Trichloroethane	46.1	0.250	0.500	1.00	
71-55-6	1,1,1-Trichloroethane	49.7	0.250	0.500	1.00	
79-01-6	Trichloroethene	52.1	0.250	0.500	1.00	
75-01-4	Vinyl chloride	36.2	0.250	0.500	1.00	
1330-20-7	Xylenes (total)	148	0.750	1.50	3.00	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	29.27	97.6	75 - 120	
Dibromofluoromethane	30.00	32.58	109	85 - 115	
1,2-Dichloroethane-d4	30.00	33.21	111	70 - 120	
Toluene-d8	30.00	29.94	99.8	85 - 120	

HOLDING TIME SUMMARY

SW8260B

Laboratory: Empirical Laboratories, LLC

SDG: CTOJM29_002

Client: Tetra Tech NUS, Inc. (T010)

Project: Saufley Field Site 4 CTOJM29

Sample Name	Date Collected	Date Received	Date Prepared	Days to Prep	Max Days to Prep	Date Analyzed	Days to Analysis	Max Days to Analysis	Q
OLFS4 MW14D	04/15/11 06:43	04/18/11 15:45	04/22/11 00:00	N/A	14.00	04/23/11 14:26	8.36	14.00	
FD04151101	04/15/11 00:00	04/18/11 15:45	04/22/11 00:00	N/A	14.00	04/23/11 14:52	8.66	14.00	
OLFS4 MW31S	04/15/11 08:10	04/18/11 15:45	04/22/11 00:00	N/A	14.00	04/23/11 15:17	8.34	14.00	
OLFS4 MW29D	04/15/11 09:23	04/18/11 15:45	04/22/11 00:00	N/A	14.00	04/23/11 21:41	8.55	14.00	
OLFS4 MW02D	04/15/11 10:45	04/18/11 15:45	04/22/11 00:00	N/A	14.00	04/23/11 15:43	8.25	14.00	
OLFS4 MW03S	04/15/11 11:43	04/18/11 15:45	04/22/11 00:00	N/A	14.00	04/23/11 16:09	8.23	14.00	
FB04151101	04/15/11 14:58	04/18/11 15:45	04/22/11 00:00	N/A	14.00	04/23/11 14:00	8.00	14.00	
TB04151101	04/15/11 15:58	04/18/11 15:45	04/22/11 00:00	N/A	14.00	04/22/11 10:42	6.78	14.00	

Data for SW8260B
Supporting Raw Data / Logs

Sequence Name: C:\HPCHEM\1\SEQUENCE\041511V5.S
Comment: 8260B/6200B/624
Operator: ADM
Data Path: C:\HPCHEM\1\DATA\041511V5\
Pre-Seq Cmd:
Post-Seq Cmd:

4/11/11

8 715

Method Sections To Run
(X) Full Method
( ) Reprocessing Only

On A Barcode Mismatch
(X) Inject Anyway
( ) Don't Inject

Line	Type	Vial	DataFile	Method	Sample Name
1	Blank	100	PREBLK1	VW5SUR	BLANK;;;;
2	Blank	100	PREBLK2	VW5SUR	BLANK;;;;
3	Blank	100	PREBLK3	VW5SUR	BLANK;;;;
4	BFB	50	0415TU1	VW5SUR	SEQ-TUN1;;;; 8:29, 4);;
5	Blank	100	BLANK1	VW5SUR	BLANK;;;;
6	Blank	100	BLANK2	VW5SUR	BLANK;;;;
7	Sample	1	0415CAL1	VW5SUR	SEQ-CAL1;;;;
8	Sample	2	0415CAL2	VW5SUR	SEQ-CAL2;;;;
9	Sample	3	0415CAL3	VW5SUR	SEQ-CAL3;;;;
10	Sample	4	0415CAL4	VW5SUR	SEQ-CAL4;;;;
11	Sample	5	0415CAL5	VW5SUR	SEQ-CAL5;;;;
12	Sample	6	0415CAL6	VW5SUR	SEQ-CAL6;;;;
13	Sample	7	0415CAL7	VW5SUR	SEQ-CAL7;;;;
14	Sample	8	0415CAL8	VW5SUR	SEQ-CAL8;;;;
15	Sample	9	0415CAL9	VW5SUR	SEQ-CAL9;;;;
16	Spike	10	0415ICV1	VW5SUR	SEQ-ICV1;;;;
17	Spike	11	0415ICV2	VW5SUR	SEQ-ICV2;;;;
18	Sample	12	0415CALA	VW5SUR	SEQ-CALA;;;;
19	Sample	13	0416CALB	VW5SUR	SEQ-CALB;;;;
20	Sample	14	0417CALC	VW5SUR	SEQ-CALC;;;;
21	Sample	15	0418CALD	VW5SUR	SEQ-CALD;;;;
22	Sample	16	0419CALE	VW5SUR	SEQ-CALE;;;;
23	Sample	17	0420CALF	VW5SUR	SEQ-CALF;;;;
24	Sample	18	0421CALG	VW5SUR	SEQ-CALG;;;;
25	Sample	19	0422CALH	VW5SUR	SEQ-CALH;;;;
26	Sample	20	0423CALI	VW5SUR	SEQ-CALI;;;;
27	Sample	21	0424ICV3	VW5SUR	SEQ-ICV3;;;;
28	Sample	22	0424ICV4	VW5SUR	SEQ-ICV4;;;;

ANALYSIS SEQUENCE

Instrument: MS-VOA5

Calibration ID: UNASSIGNED

1D10810

Printed: 4/19/2011 8:45:45AM

Lab Number	Sample Name	Analysis	Container	Order	Position	STD ID	ISTD ID	Comments
1D10810-TUN1	MS Tune	QC		1		11D0087		
1D10810-CAL1	Cal Standard	QC		2		11D0383	11A0563	
1D10810-CAL2	Cal Standard	QC		3		11D0384	11A0563	
1D10810-CAL3	Cal Standard	QC		4		11D0385	11A0563	
1D10810-CAL4	Cal Standard	QC		5		11D0386	11A0563	
1D10810-CAL5	Cal Standard	QC		6		11D0387	11A0563	
1D10810-CAL6	Cal Standard	QC		7		11D0388	11A0563	
1D10810-CAL7	Cal Standard	QC		8		11D0389	11A0563	
1D10810-CAL8	Cal Standard	QC		9		11D0390	11A0563	
1D10810-CAL9	Cal Standard	QC		10		11D0391	11A0563	
1D10810-ICV2	Initial Cal Check	QC		11		11D0401	11A0563	
1D10810-CALA	Cal Standard	QC		12		11D0392	11A0563	
1D10810-CALB	Cal Standard	QC		13		11D0393	11A0563	11C053 (5ml-100)
1D10810-CALC	Cal Standard	QC		14		11D0394	11A0563	0.02
1D10810-CALD	Cal Standard	QC		15		11D0395	11A0563	0.025
1D10810-CALE	Cal Standard	QC		16		11D0396	11A0563	0.03
1D10810-CALF	Cal Standard	QC		17		11D0397	11A0563	0.035
1D10810-CALG	Cal Standard	QC		18		11D0398	11A0563	
1D10810-CALH	Cal Standard	QC		19		11D0399	11A0563	
1D10810-CALI	Cal Standard	QC		20		11D0400	11A0563	
1D10810-ICV4	Initial Cal Check	QC		21		11D0402	11A0563	

Samples Loaded By _____ Date _____

Data Processed By _____ Date _____

68

CTOJM29_002

Data File: \\ELABNSHO5\TARGET\chem\voa5.i\041511V5.b\0415TU1.D

Date : 15-APR-2011 08:29

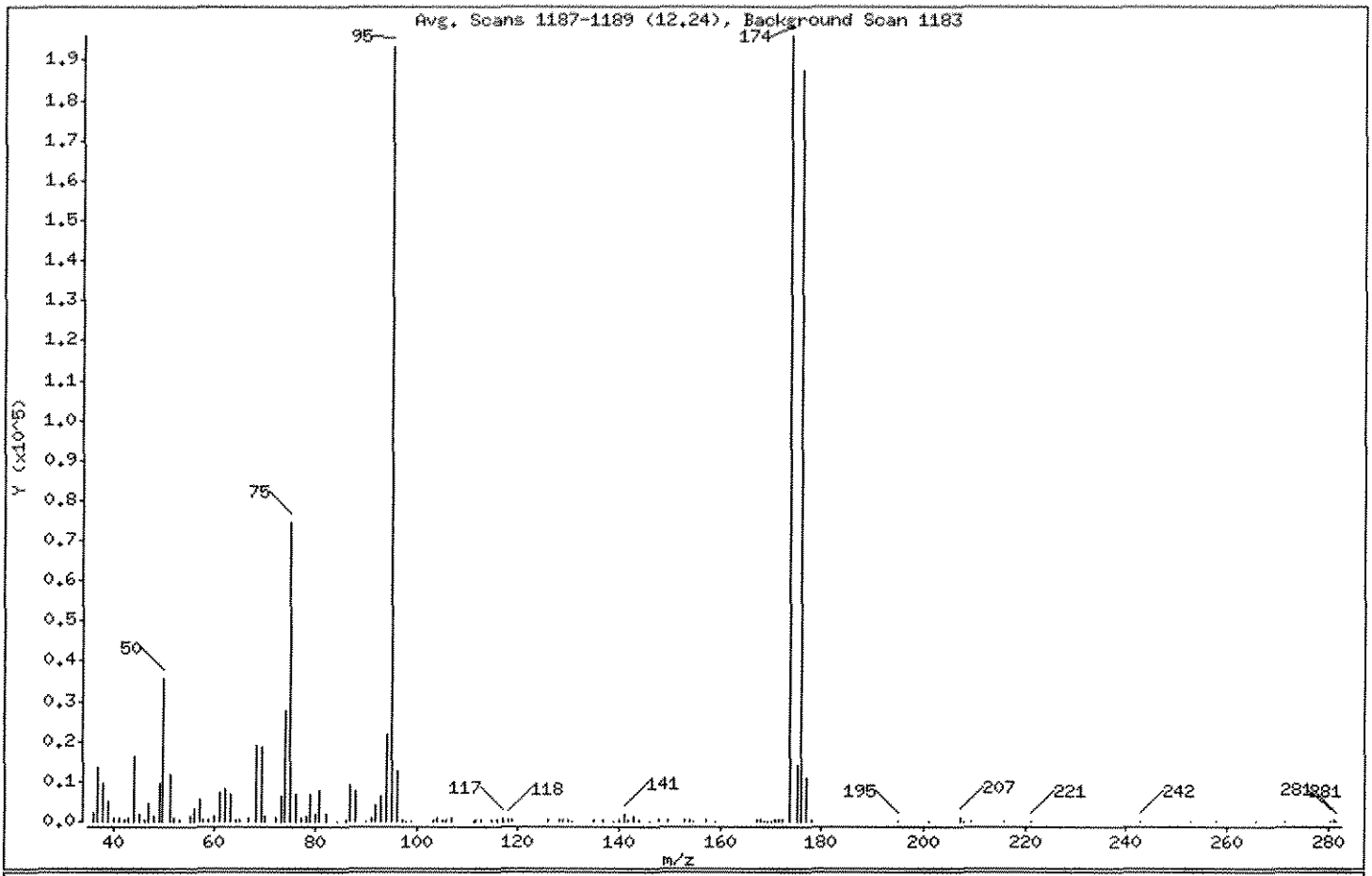
Client ID: SEQ-TUN1 Instrument: voa5.i

Sample Info: BLANK;;;;;

Volume Injected (uL): 1.0 Operator: ADM

Column phase: RTX-VRX Column diameter: 0.25

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	18.36
75	30.00 - 60.00% of mass 95	38.62
96	5.00 - 9.00% of mass 95	6.52
173	Less than 2.00% of mass 174	0.00 (0.00)
174	Greater than 50.00% of mass 95	101.29
175	5.00 - 9.00% of mass 174	7.21 (7.11)
176	95.00 - 101.00% of mass 174	96.86 (95.63)
177	5.00 - 9.00% of mass 176	5.57 (5.75)

04/21/11

MW 15/11

Data File: \\ELABNSH05\TARGET\chem\voa5.i\041511V5.b\0415TU1.D

Date : 15-APR-2011 08:29

Client ID: SEQ-TUN1 Instrument: voa5.i

Sample Info: BLANK;;;;;

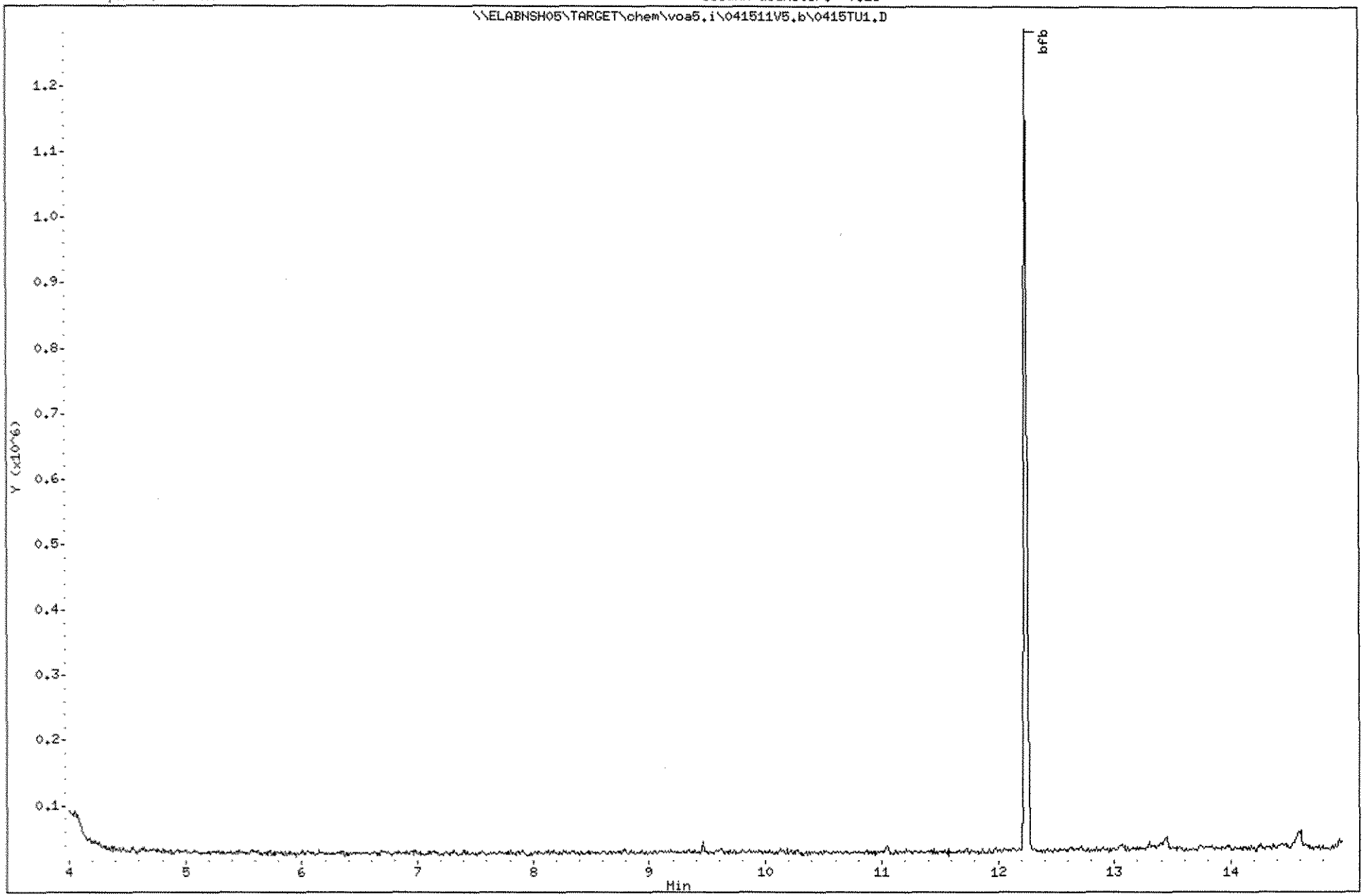
Volume Injected (uL): 1.0 Operator: ADM

Column phase: RTX-VRX Column diameter: 0.25

Data File: 0415TU1.D
Spectrum: Avg. Scans 1187-1189 (12.24), Background Scan 1183
Location of Maximum: 173.95
Number of points: 120

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.10	2372	69.10	18456	107.05	690	168.00	271
37.00	13717	69.90	1513	111.15	217	168.75	210
38.10	9375	72.05	994	111.50	259	169.65	156
38.95	5054	73.05	6549	112.80	508	170.05	152
40.15	838	74.05	27352	115.00	314	170.95	227
41.05	733	75.05	74760	116.10	470	171.55	348
42.15	406	76.05	6614	116.90	1114	172.25	245
43.05	940	77.05	1049	118.00	579	173.95	196096
44.05	16153	78.05	1311	118.80	565	175.05	13950
45.05	1771	78.90	6924	125.95	258	175.95	187520
46.15	293	80.00	1798	128.10	466	176.90	10776
47.00	4298	80.90	7698	128.90	461	178.00	351
48.10	1517	82.00	1769	130.00	546	194.90	170
49.00	9659	84.20	172	130.80	176	201.25	179
50.00	35552	86.10	234	135.00	530	207.05	904
51.10	11940	87.00	9227	136.85	469	207.95	210
52.10	733	88.05	7723	139.05	165	209.20	178
53.10	252	89.95	204	139.95	370	215.90	194
55.05	1302	91.05	1066	141.05	1956	221.15	159
56.05	3202	91.95	4104	141.75	335	242.60	208
57.05	5435	93.05	6333	142.95	1269	252.75	159
57.85	383	94.15	21480	144.00	233	257.70	198
58.85	238	95.05	193600	146.00	159	265.65	184
59.95	1208	96.00	12631	147.80	543	271.55	186
61.05	7103	97.10	503	149.80	239	280.60	215
62.05	8267	98.00	187	152.85	273	281.20	463
63.00	6707	99.10	161	153.95	387	281.65	157
64.20	625	103.45	303	154.65	223		
65.10	363	103.95	949	157.15	257		
66.80	698	105.15	408	158.95	170		
68.00	18856	105.85	607	167.30	244		

Data File: \\ELABNSH05\TARGET\chem\voa5.i\041511V5.b\0415TU1.D
Date : 15-APR-2011 08:29
Client ID: SEQ-TUN1
Instrument: voa5.i
Sample Info: BLANK;;;;;
Volume Injected (uL): 1.0
Operator: ADM
Column phase: RTX-VRX
Column diameter: 0.25



CTOJM29_002

Data File: \\ELABNSH05\TARGET\chem\voa5.i\041511V5.b\0415CAL1.D
Report Date: 18-Apr-2011 12:31

Laboratory Name

Data file : \\ELABNSH05\TARGET\chem\voa5.i\041511V5.b\0415CAL1.D
Lab Smp Id: SEQ-CAL1 Client Smp ID: SEQ-CAL1
Inj Date : 15-APR-2011 09:53 MS Autotune Date: 28-JUL-1998 05:19
Operator : ADM Inst ID: voa5.i
Smp Info : SEQ-CAL1;;;;;
Misc Info : ;;;;;gmall-ks.sub;
Comment :
Method : \\ELABNSH05\TARGET\chem\voa5.i\041511V5.b\VW5SUR.m
Meth Date : 18-Apr-2011 12:31 amonteiro Quant Type: ISTD
Cal Date : 15-APR-2011 14:26 Cal File: 0415CALA.D
Als bottle: 1 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: gmall-ks.sub
Target Version: 4.04
Processing Host: TARGET02_VM

04/21/11

Concentration Formula: Amt * DF * 5*Uf/Vo

04/18/11

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	unit correction factor
Vo	5.000	Volume of sample purged (mL)

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
* 62 Fluorobenzene	96	7.915	7.915	(1.000)	1360499	30.0000	
1 Dichlorodifluoromethane	85	2.025	2.025	(0.256)	6440	0.50000	0.2779(a)
2 Chloromethane	50	2.232	2.232	(0.282)	9181	0.50000	0.4266(aMH)
4 Vinyl chloride	62	2.370	2.370	(0.299)	10833	0.50000	0.09914(a)
7 Bromomethane	94	2.823	2.823	(0.357)	3820	0.50000	2.192(Q)
8 Chloroethane	64	2.961	2.961	(0.374)	5985	0.50000	0.5229(a)
11 Trichlorofluoromethane	101	3.443	3.443	(0.435)	9913	0.50000	0.5410(a)
15 t-Butyl alcohol	59	4.359	4.359	(0.551)	2145	2.50000	2.165(Q)
16 tert-Amyl alcohol	59	7.098	7.098	(0.897)	2003	2.50000	2.521(Q)
26 Trichlorotrifluoroethane	101	4.310	4.310	(0.545)	4417	0.50000	0.4699(aM)
10 Acrolein	56	3.631	3.631	(0.459)	8331	2.50000	0.3396(a)
22 1,1-Dichloroethene	96	4.222	4.222	(0.533)	5428	0.50000	0.5462(aQ)
23 Iodomethane	142	4.419	4.419	(0.558)	2619	0.50000	2.813(a)
29 Carbon disulfide	76	4.763	4.763	(0.602)	15194	0.50000	0.4946(a)
25 Methylene chloride	84	4.704	4.704	(0.594)	8845	0.50000	0.7616(aQ)
24 Acrylonitrile	53	4.586	4.586	(0.579)	11116	2.50000	2.573(a)

Data File: \\ELABNSH05\TARGET\chem\voa5.i\041511V5.b\0415CAL1.D
Report Date: 18-Apr-2011 12:31

							AMOUNTS	
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/L)	ON-COL (ug/L)
	32 trans-1,2-Dichloroethene	96	5.364	5.364	(0.678)	6798	0.50000	0.6152(a)
	33 MTBE	73	5.374	5.374	(0.679)	13344	0.50000	0.5253(a)
	34 1,1-Dichloroethane	63	5.748	5.748	(0.726)	9721	0.50000	0.4645(a)
	37 Vinyl acetate	43	5.817	5.817	(0.735)	18745	1.00000	1.099(a)
	45 Di-isopropyl ether	45	6.113	6.113	(0.772)	24839	0.50000	0.5069(a)
	46 cis-1,2-Dichloroethene	96	6.458	6.458	(0.816)	5657	0.50000	0.4741(aQ)
M	30 1,2-Dichloroethene(total)	96				12455	1.00000	1.089
	48 Bromochloromethane	128	6.733	6.733	(0.851)	2480	0.50000	0.4134(a)
	53 Tetrahydrofuran	42	6.930	6.930	(0.876)	3707	0.50000	1.560(a)
	49 Chloroform	83	6.714	6.714	(0.848)	10687	0.50000	0.5487(a)
	27 Methyl acetate	43	4.566	4.566	(0.577)	10453	0.50000	1.558
	56 1,1,1-Trichloroethane	97	7.275	7.275	(0.919)	7500	0.50000	0.5272(a)
	58 ETBE	59	6.595	6.595	(0.833)	18549	0.50000	0.4959(a)
	59 Cyclohexane	56	7.551	7.551	(0.954)	9970	0.50000	0.5312(a)
	60 Carbon tetrachloride	117	7.610	7.610	(0.961)	4858	0.50000	0.4467(a)
	61 Benzene	78	7.649	7.649	(0.966)	18142	0.50000	0.4899(a)
	55 1,2-Dichloroethane	62	7.482	7.482	(0.945)	8079	0.50000	0.5312(a)
	50 2,2-Dichloropropane	77	6.566	6.566	(0.830)	7940	0.50000	0.5657(a)
	57 1,1-Dichloropropene	75	7.492	7.492	(0.946)	6730	0.50000	0.4774(aQ)
	63 tert-Amyl Methyl Ether	73	7.837	7.837	(0.990)	14299	0.50000	0.4769(a)
	73 tert-Amyl Ethyl Ether	59	8.723	8.723	(1.102)	15474	0.50000	0.5064(a)
	67 Trichloroethene	95	8.418	8.418	(1.063)	5339	0.50000	0.4937(a)
	66 1,2-Dichloropropane	63	8.467	8.467	(1.070)	6737	0.50000	0.5202(a)
	65 Dibromomethane	93	8.575	8.575	(1.083)	3483	0.50000	0.4804(a)
	70 Methyl methacrylate	41	7.551	7.551	(0.954)	8099	0.50000	0.6317(a)
	68 Bromodichloromethane	83	8.634	8.634	(1.091)	8728	0.50000	0.6014(a)
	71 2-Chloroethyl vinyl ether	63	8.989	8.989	(1.136)	7951	1.00000	1.024(a)
	76 cis-1,3-Dichloropropene	75	9.206	9.206	(1.163)	7641	0.50000	0.4488(aQ)
	83 Toluene	92	9.688	9.688	(0.878)	11322	0.50000	0.5340(a)
	78 trans-1,3-Dichloropropene	75	9.688	9.688	(0.878)	6228	0.50000	0.4482(aQ)
	85 Ethyl methacrylate	69	9.866	9.866	(0.894)	7304	0.50000	0.5409(aQ)
	80 1,1,2-Trichloroethane	83	9.846	9.846	(0.892)	5025	0.50000	0.5865(a)
	89 Tetrachloroethene	166	10.417	10.417	(0.944)	3450	0.50000	0.3936(aQ)
	87 Dibromochloromethane	129	10.309	10.309	(0.934)	5006	0.50000	0.4980(a)
	88 1,2-Dibromoethane	107	10.526	10.526	(0.954)	5537	0.50000	0.5239(a)
	74 Methyl cyclohexane	83	8.792	8.792	(1.111)	7822	0.50000	0.5742(a)
*	92 Chlorobenzene-d5	82	11.038	11.038	(1.000)	568536	30.0000	
	93 Chlorobenzene	112	11.077	11.077	(1.004)	12571	0.50000	0.5189(a)
	90 1,1,1,2-Tetrachloroethane	131	11.117	11.117	(1.007)	4138	0.50000	0.4581(a)
	91 1-Chlorohexane	91	11.048	11.048	(1.001)	15058	0.50000	0.5896(aQ)
	94 Ethylbenzene	91	11.225	11.225	(1.017)	19198	0.50000	0.4980(a)
	95 m,p-Xylene	91	11.333	11.333	(1.027)	31656	1.00000	1.072
M	107 Xylene(total)	91				48231	1.50000	1.602
	99 o-Xylene	91	11.727	11.727	(1.062)	16575	0.50000	0.5293(a)
	97 Styrene	104	11.698	11.698	(1.060)	11292	0.50000	0.4534(a)
	96 Bromoform	173	11.806	11.806	(1.070)	3739	0.50000	0.5472(a)
	103 Isopropylbenzene	105	12.121	12.121	(1.098)	14725	0.50000	0.4982(a)

Data File: \\ELABNSH05\TARGET\chem\voa5.i\041511V5.b\0415CAL1.D
Report Date: 18-Apr-2011 12:31

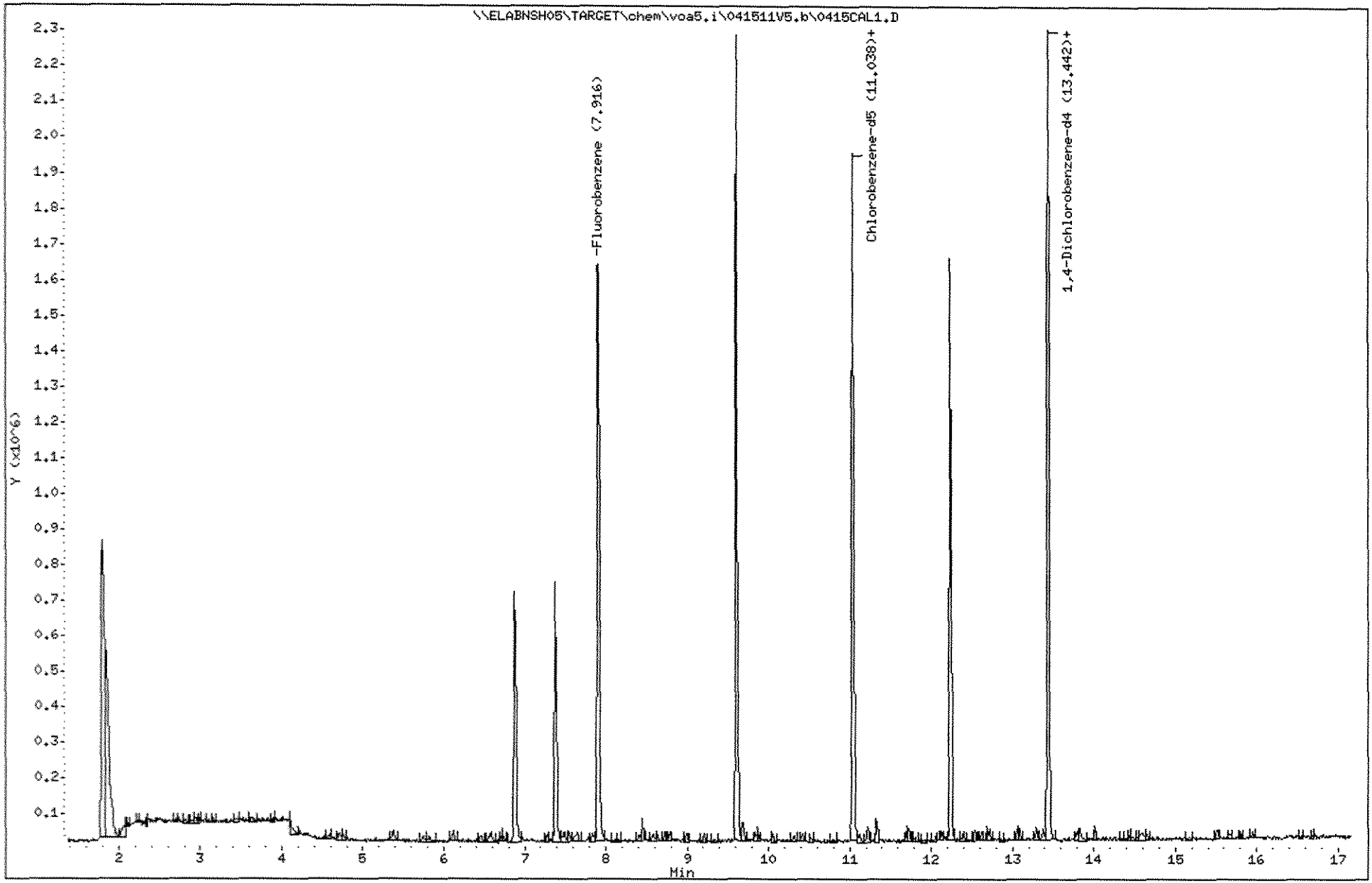
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
98	1,1,2,2-Tetrachloroethane	83	12.052	12.052	(0.897)	5728	0.50000	0.4610(a)
84	1,3-Dichloropropane	76	10.053	10.053	(0.911)	7993	0.50000	0.5198(a)
100	1,2,3-Trichloropropane	110	12.190	12.190	(1.104)	1595	0.50000	0.5245(aQ)
108	n-Propylbenzene	91	12.535	12.535	(0.933)	23198	0.50000	0.5350(a)
113	1,3,5-Trimethylbenzene	105	12.712	12.712	(0.946)	14673	0.50000	0.5154(a)
111	1,2,4-Trimethylbenzene	105	13.087	13.087	(0.974)	15842	0.50000	0.5473(a)
114	sec-Butylbenzene	105	13.294	13.294	(0.989)	19041	0.50000	0.5578(a)
112	tert-Butylbenzene	119	13.057	13.057	(0.971)	12407	0.50000	0.4417(a)
115	1,3-Dichlorobenzene	146	13.382	13.382	(0.996)	11107	0.50000	0.5953(a)
* 117	1,4-Dichlorobenzene-d4	152	13.441	13.441	(1.000)	523480	30.0000	(Q)
118	1,4-Dichlorobenzene	146	13.471	13.471	(1.002)	13371	0.50000	0.6806(a)
121	n-Butylbenzene	91	13.835	13.835	(1.029)	14097	0.50000	0.5369(a)
120	1,2-Dichlorobenzene	146	13.796	13.796	(1.026)	7482	0.50000	0.4403(a)
105	Bromobenzene	156	12.397	12.397	(0.922)	5593	0.50000	0.5146(a)
109	2-Chlorotoluene	91	12.624	12.624	(0.939)	11571	0.50000	0.4319(a)
110	4-Chlorotoluene	91	12.683	12.683	(0.944)	15179	0.50000	0.5014(a)
123	1,2,4-Trichlorobenzene	180	15.520	15.520	(1.155)	6538	0.50000	0.6268(a)
124	Naphthalene	128	15.668	15.668	(1.166)	11609	0.50000	0.5013(a)
119	p-Isopropyltoluene	119	13.432	13.432	(0.999)	16565	0.50000	0.5661(a)
125	Hexachlorobutadiene	225	15.796	15.796	(1.175)	2621	0.50000	0.6428(a)
126	1,2,3-Trichlorobenzene	180	15.953	15.953	(1.187)	4245	0.50000	0.4768(a)

QC Flag Legend

a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

Data File: \\ELABNSH05\TARGET\chem\voa5.i\041511V5.b\0415CAL1.D
Date : 15-APR-2011 09:53
Client ID: SEQ-CAL1
Sample Info: SEQ-CAL1;;;;;
Purge Volume: 5.0
Column phase: RTX-VRX

Instrument: voa5.i
Operator: ADM
Column diameter: 0.25



CTOJM29_002

Data File: \\ELABNSHO5\TARGET\chem\voa5.i\041511V5.b\0415CAL1.D
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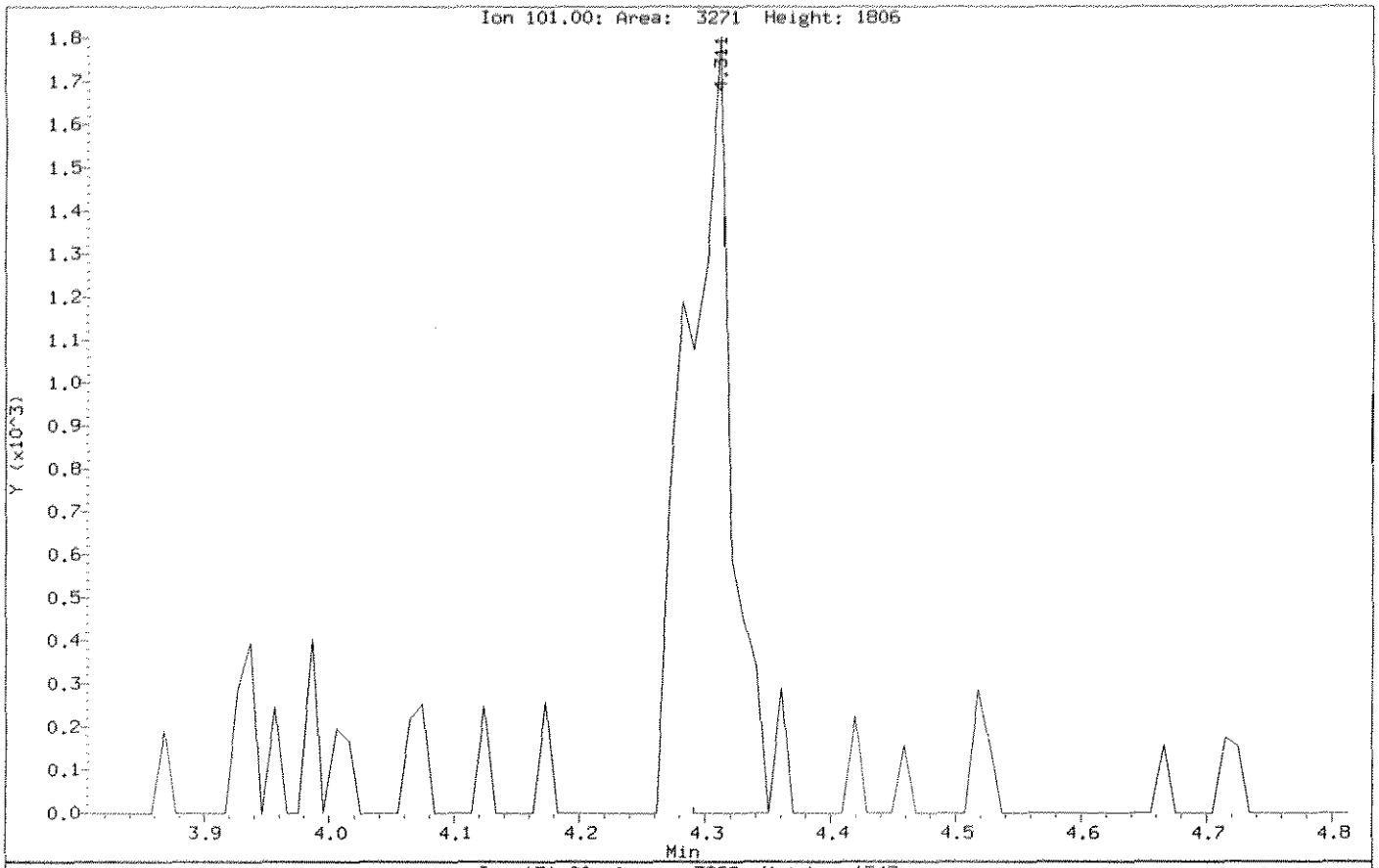
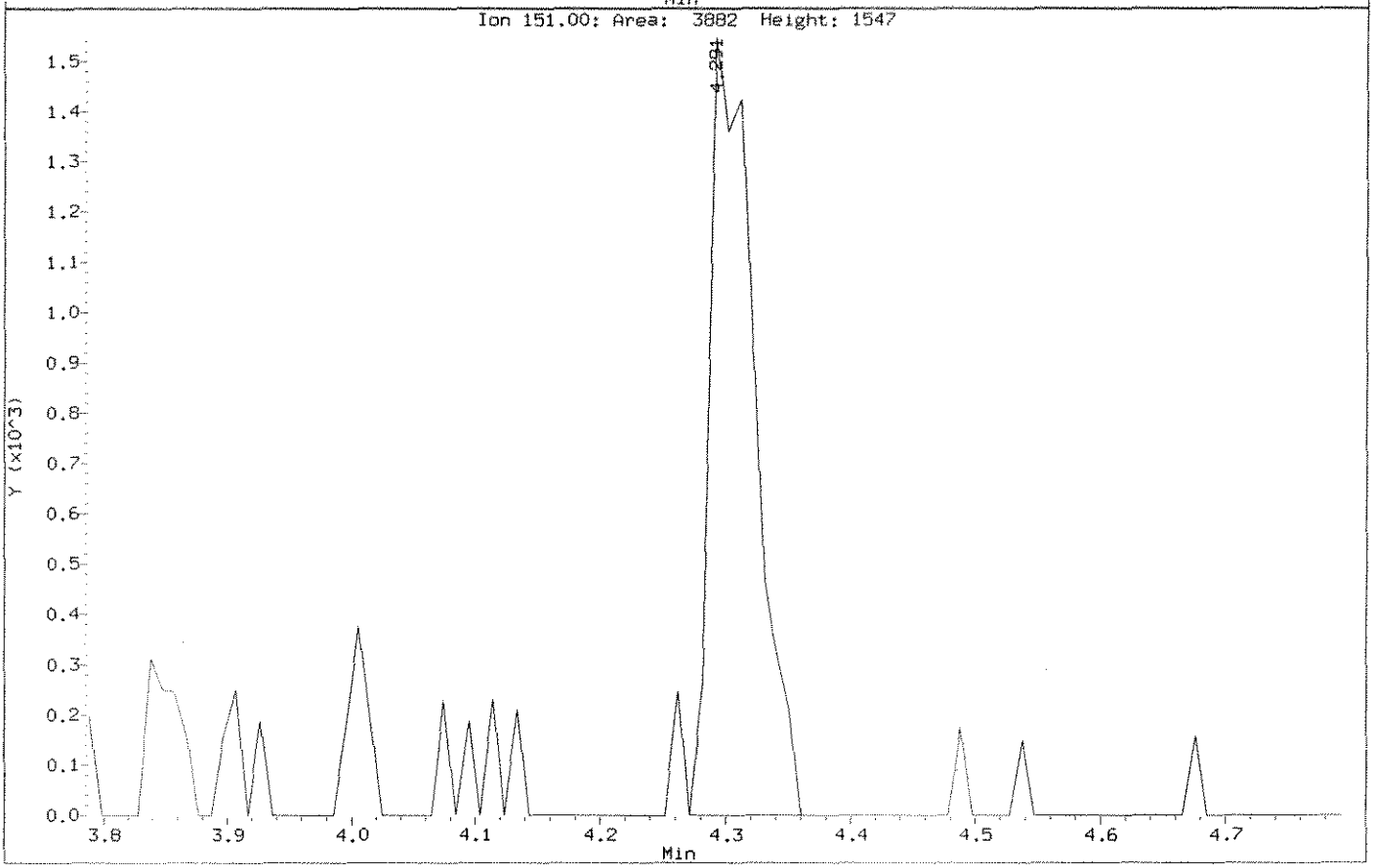
Instrument: voa5.i
Client Sample ID: SEQ-CAL1

Compound: Trichlorotrifluoroethane
CAS Number: 76-13-1





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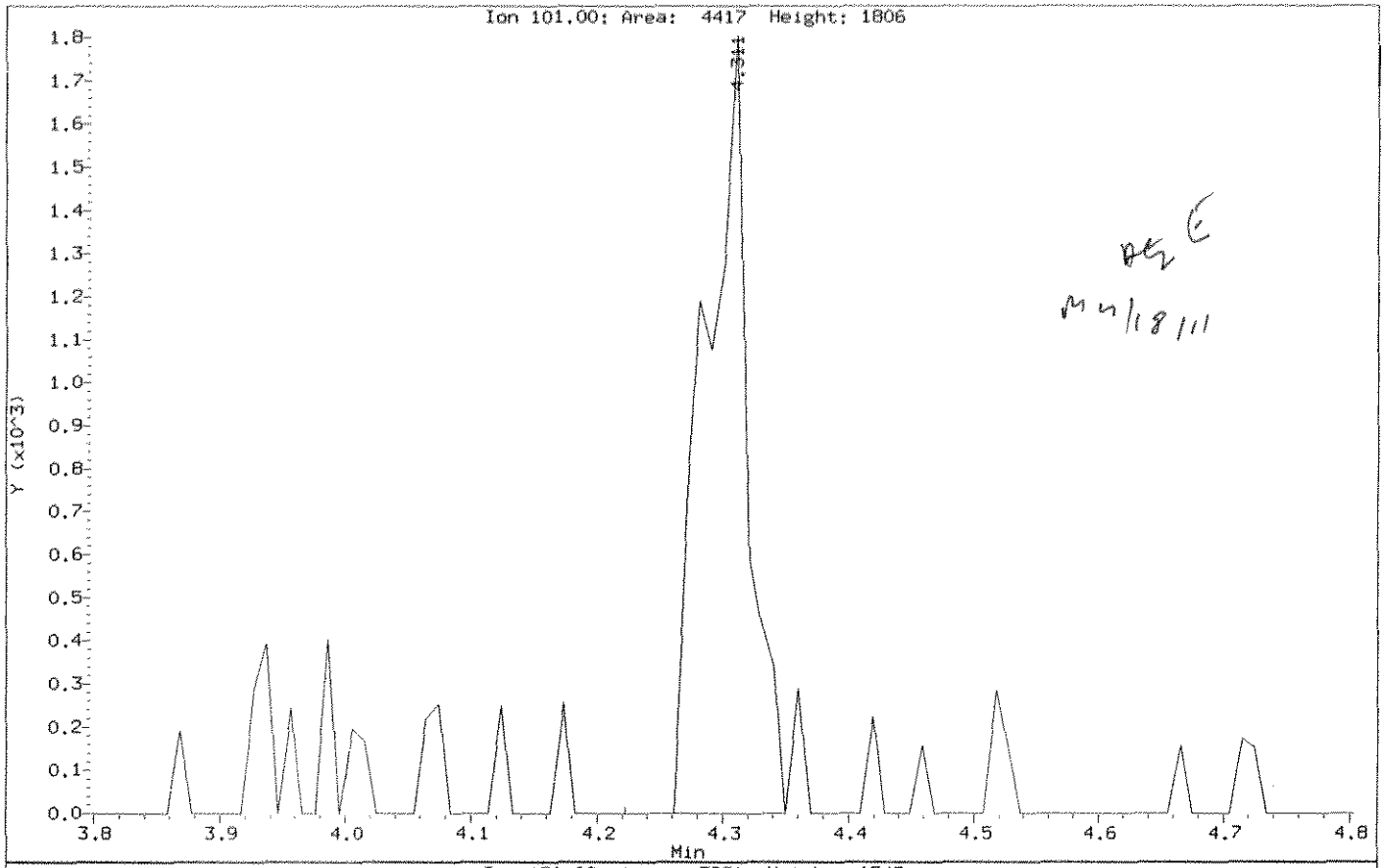
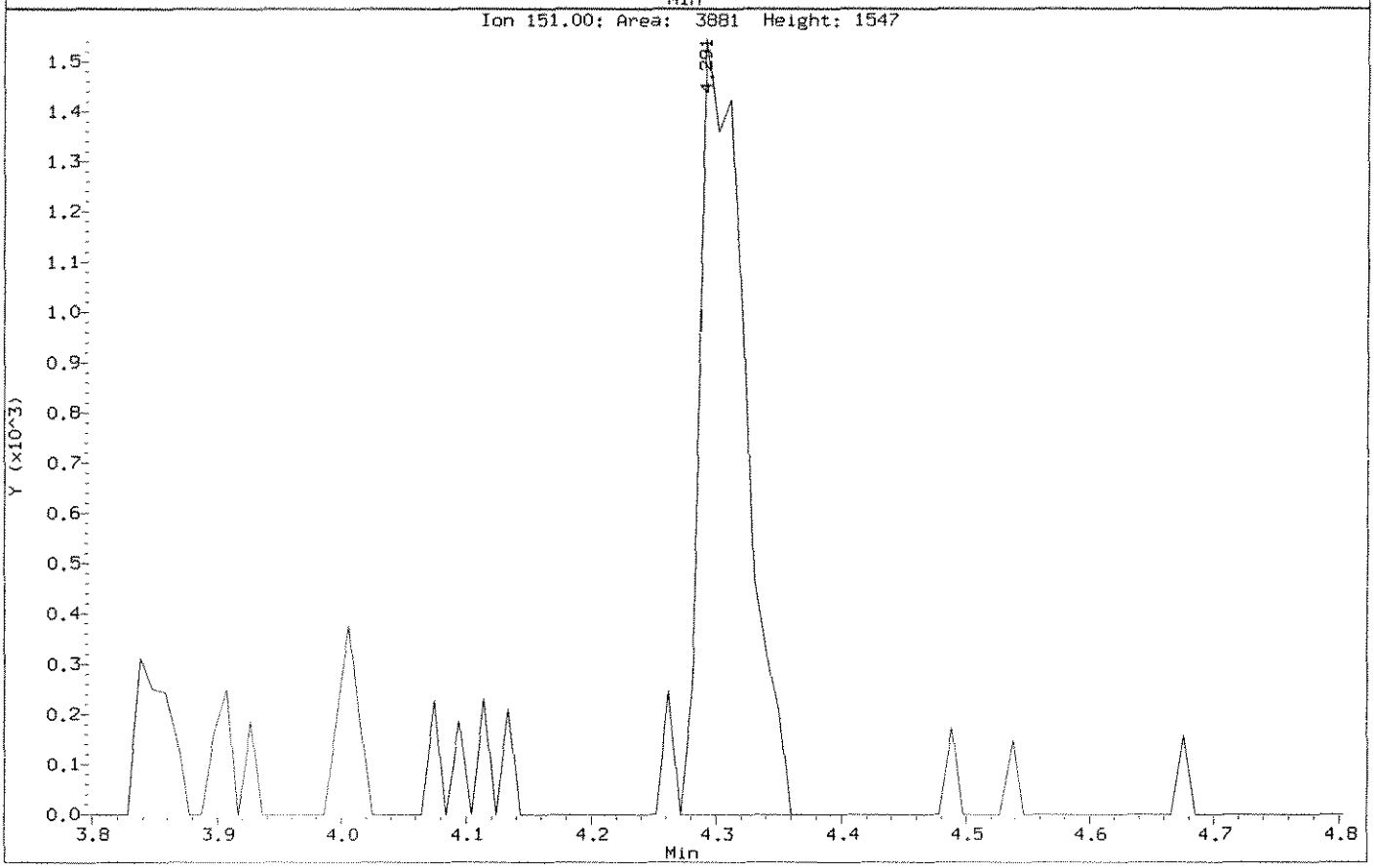
Instrument: voa5.i
Client Sample ID: SEQ-CAL1

Compound: Trichlorotrifluoroethane
CAS Number: 76-13-1



DEC
5/11/11



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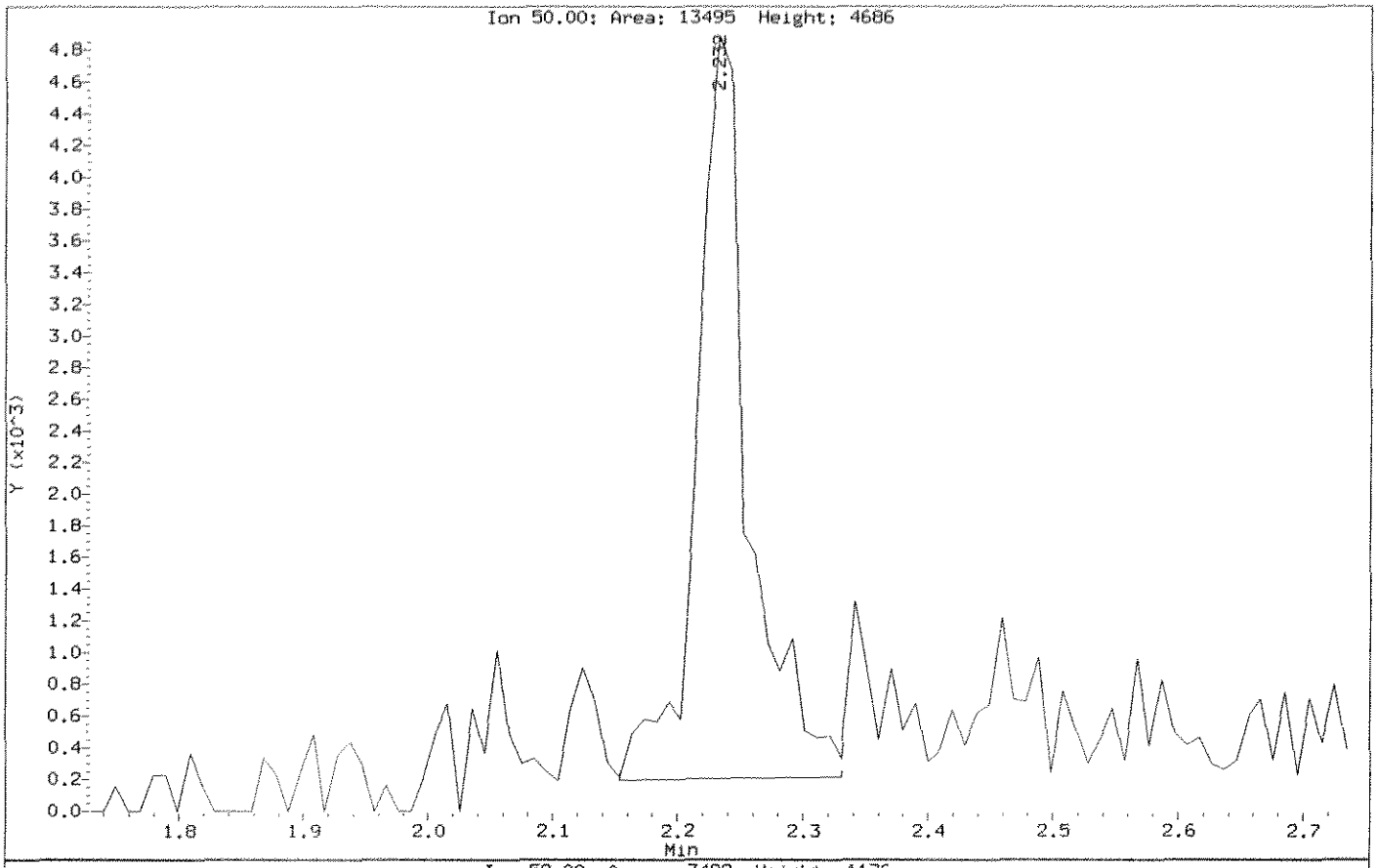
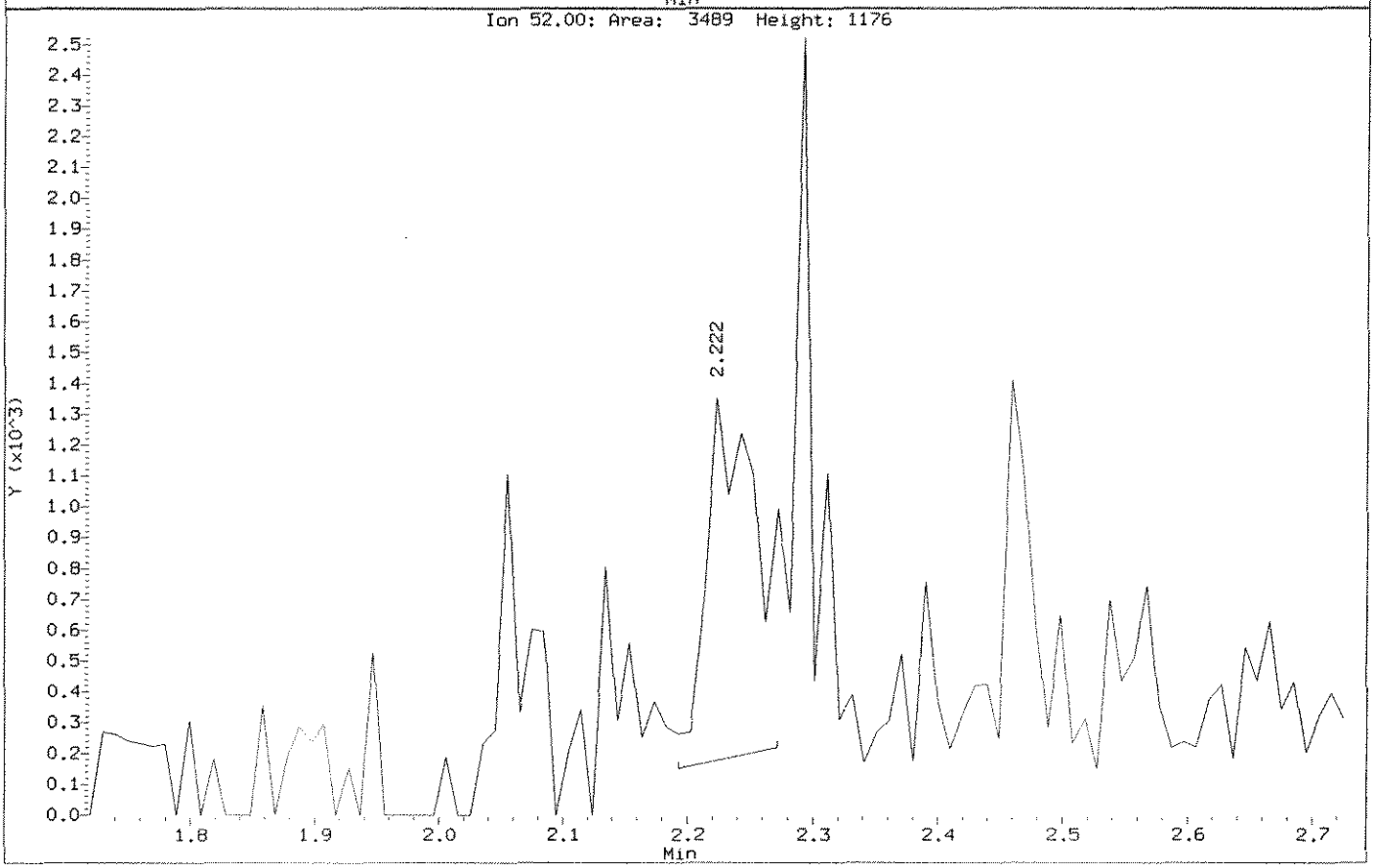
Injection Date: 15-APR-2011 09:53
Instrument: voa5.i
Client Sample ID: SEQ-CAL1

Compound: Chloromethane
CAS Number: 74-87-3





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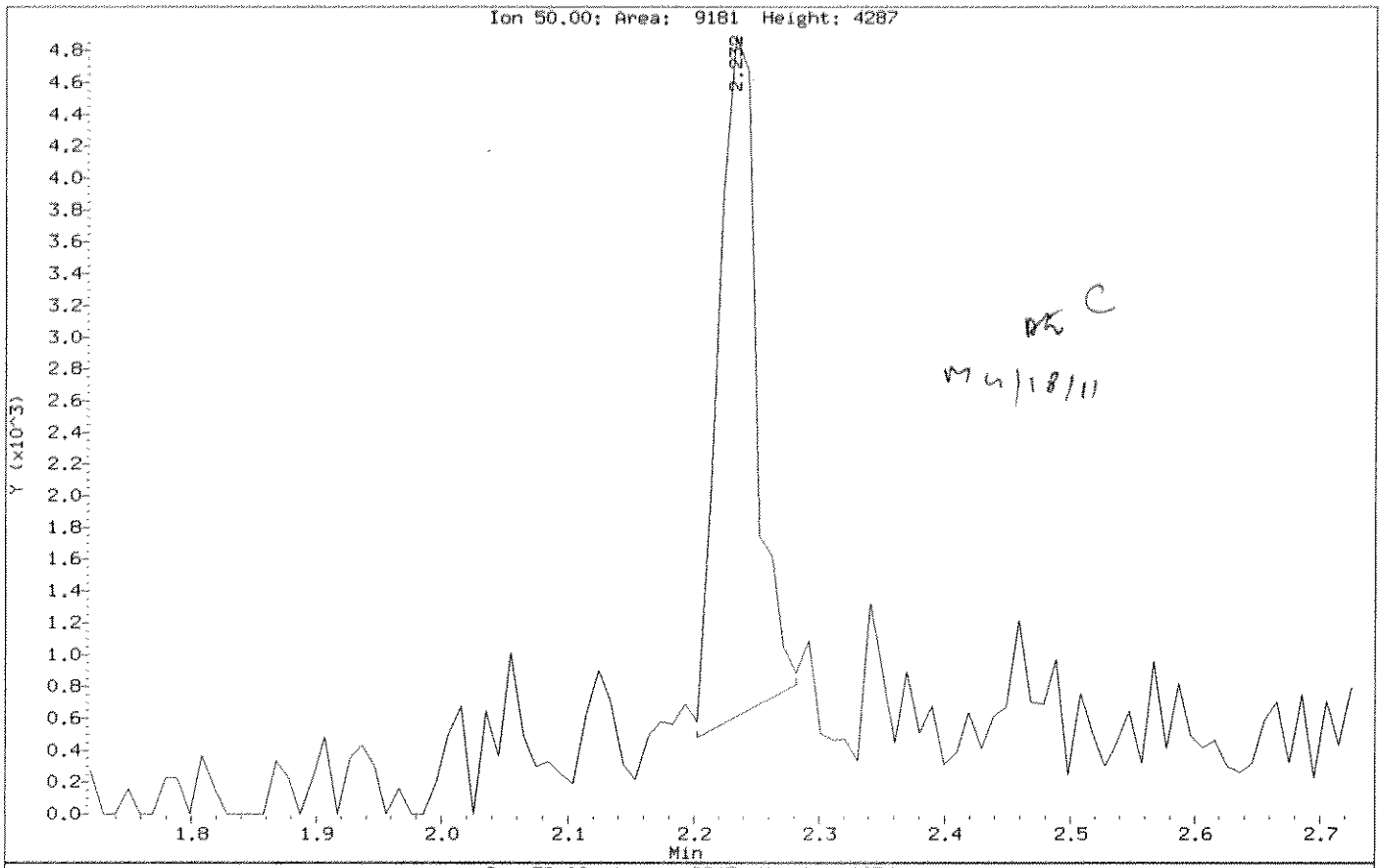
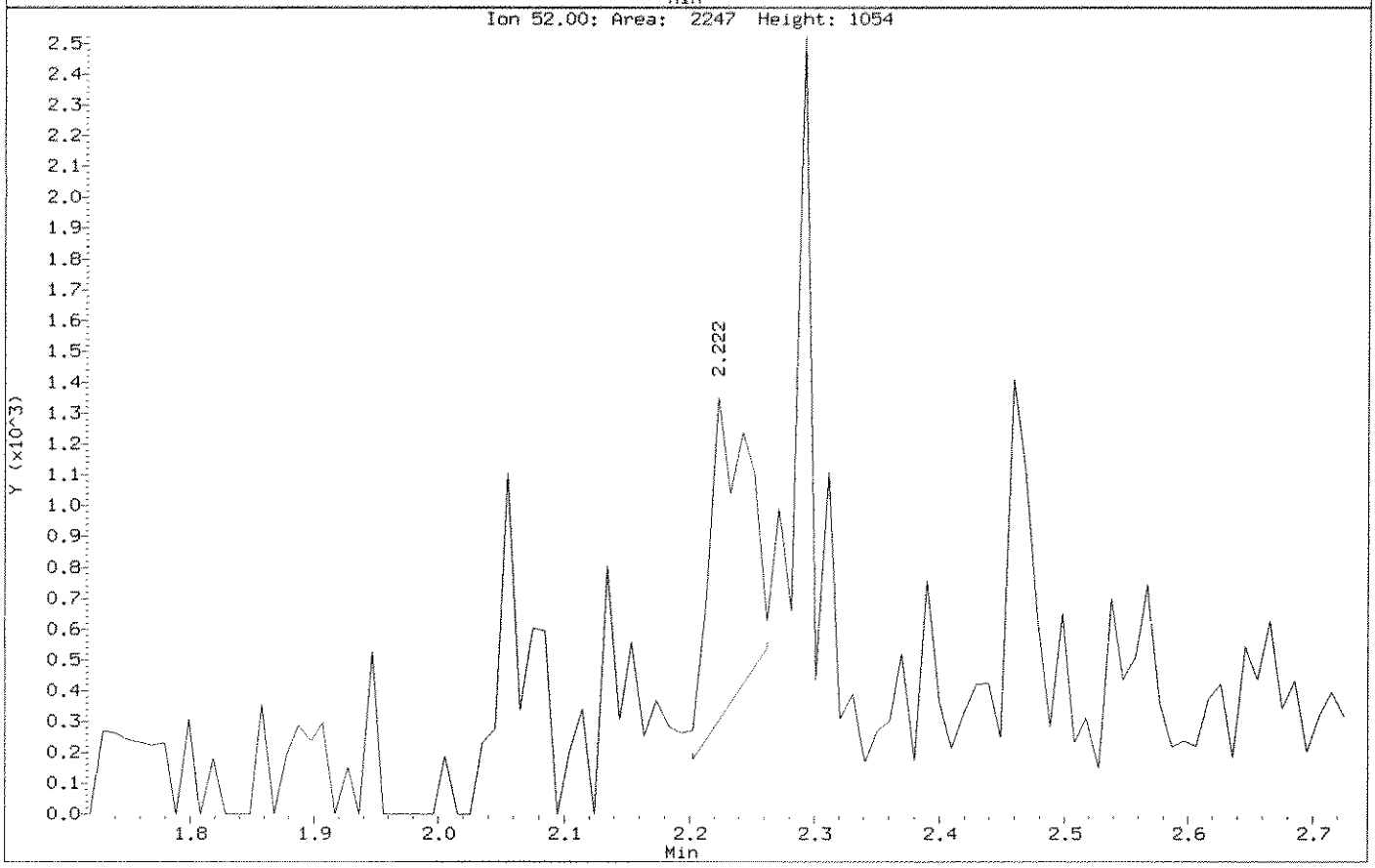
Injection Date: 15-APR-2011 09:53
Instrument: voa5.i
Client Sample ID: SEQ-CAL1

Compound: Chloromethane
CAS Number: 74-87-3





Data File: \\ELABNSH05\TARGET\chem\voa5.i\041511V5.b\0415CAL2.D
Report Date: 18-Apr-2011 12:31

Laboratory Name

Data file : \\ELABNSH05\TARGET\chem\voa5.i\041511V5.b\0415CAL2.D
Lab Smp Id: SEQ-CAL2 Client Smp ID: SEQ-CAL2
Inj Date : 15-APR-2011 10:18 MS Autotune Date: 28-JUL-1998 05:19
Operator : ADM Inst ID: voa5.i
Smp Info : SEQ-CAL2;;;;;
Misc Info : ;;;;;gmall-ks.sub;
Comment :
Method : \\ELABNSH05\TARGET\chem\voa5.i\041511V5.b\VW5SUR.m
Meth Date : 18-Apr-2011 12:31 amonteiro Quant Type: ISTD
Cal Date : 15-APR-2011 14:26 Cal File: 0415CALA.D
Als bottle: 2 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: gmall-ks.sub
Target Version: 4.04
Processing Host: TARGET02_VM

04/21/11

04/19/11

Concentration Formula: Amt * DF * 5*Uf/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	unit correction factor
Vo	5.000	Volume of sample purged (mL)

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
* 62 Fluorobenzene	96	7.914	7.914	(1.000)	1340114	30.0000	
1 Dichlorodifluoromethane	85	2.014	2.014	(0.255)	12771	1.00000	0.7473(a)
2 Chloromethane	50	2.231	2.231	(0.282)	23330	1.00000	1.100(a)
4 Vinyl chloride	62	2.369	2.369	(0.299)	17376	1.00000	0.5299(a)
7 Bromomethane	94	2.822	2.822	(0.357)	7950	1.00000	2.564
8 Chloroethane	64	2.950	2.950	(0.373)	14188	1.00000	1.258(a)
11 Trichlorofluoromethane	101	3.442	3.442	(0.435)	18596	1.00000	1.030(a)
15 t-Butyl alcohol	59	4.368	4.368	(0.552)	5685	5.00000	5.825(Q)
16 tert-Amyl alcohol	59	7.087	7.087	(0.895)	4258	5.00000	5.441(Q)
26 Trichlorotrifluoroethane	101	4.299	4.299	(0.543)	10949	1.00000	1.182
10 Acrolein	56	3.639	3.639	(0.460)	14068	5.00000	3.276(a)
22 1,1-Dichloroethene	96	4.230	4.230	(0.535)	11879	1.00000	1.214(Q)
23 Iodomethane	142	4.418	4.418	(0.558)	6551	1.00000	3.104(a)
29 Carbon disulfide	76	4.762	4.762	(0.602)	31922	1.00000	1.055
25 Methylene chloride	84	4.713	4.713	(0.596)	13117	1.00000	1.147(a)
24 Acrylonitrile	53	4.585	4.585	(0.579)	24525	5.00000	5.764

Data File: \\ELABNSH05\TARGET\chem\voa5.i\041511V5.b\0415CAL2.D
Report Date: 18-Apr-2011 12:31

		QUANT SIG				AMOUNTS CAL-AMT	AMOUNTS ON-COL
	Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/L)	ON-COL (ug/L)
	32 trans-1,2-Dichloroethene	96	5.373	5.373	(0.679)	11911	1.00000	1.094(Q)
	33 MTBE	73	5.373	5.373	(0.679)	17185	1.00000	0.6868(a)
	34 1,1-Dichloroethane	63	5.747	5.747	(0.726)	23769	1.00000	1.153
	37 Vinyl acetate	43	5.816	5.816	(0.735)	30786	2.00000	1.832(a)
	45 Di-isopropyl ether	45	6.122	6.122	(0.773)	48666	1.00000	1.008
	46 cis-1,2-Dichloroethene	96	6.457	6.457	(0.816)	13551	1.00000	1.153(Q)
M	30 1,2-Dichloroethene(total)	96				25462	2.00000	2.247
	48 Bromochloromethane	128	6.732	6.732	(0.851)	7560	1.00000	1.279(aQ)
	53 Tetrahydrofuran	42	6.920	6.920	(0.874)	4958	1.00000	1.928(a)
	49 Chloroform	83	6.713	6.713	(0.848)	23462	1.00000	1.223
	27 Methyl acetate	43	4.575	4.575	(0.578)	17893	1.00000	2.317
	56 1,1,1-Trichloroethane	97	7.274	7.274	(0.919)	15081	1.00000	1.076
	58 ETBE	59	6.585	6.585	(0.832)	39192	1.00000	1.064
	59 Cyclohexane	56	7.540	7.540	(0.953)	20702	1.00000	1.120(a)
	60 Carbon tetrachloride	117	7.619	7.619	(0.963)	11181	1.00000	1.044
	61 Benzene	78	7.648	7.648	(0.966)	40903	1.00000	1.121
	55 1,2-Dichloroethane	62	7.471	7.471	(0.944)	14010	1.00000	0.9353(a)
	50 2,2-Dichloropropane	77	6.575	6.575	(0.831)	15244	1.00000	1.102
	57 1,1-Dichloropropene	75	7.491	7.491	(0.946)	15272	1.00000	1.100(Q)
	63 tert-Amyl Methyl Ether	73	7.836	7.836	(0.990)	32730	1.00000	1.108
	73 tert-Amyl Ethyl Ether	59	8.722	8.722	(1.102)	29469	1.00000	0.9791(a)
	67 Trichloroethene	95	8.407	8.407	(1.062)	11274	1.00000	1.058
	66 1,2-Dichloropropane	63	8.456	8.456	(1.068)	14600	1.00000	1.144
	65 Dibromomethane	93	8.565	8.565	(1.082)	8024	1.00000	1.124
	70 Methyl methacrylate	41	7.540	7.540	(0.953)	14860	1.00000	1.177
	68 Bromodichloromethane	83	8.633	8.633	(1.091)	14350	1.00000	1.004
	71 2-Chloroethyl vinyl ether	63	8.988	8.988	(1.136)	15280	2.00000	1.997(a)
	76 cis-1,3-Dichloropropene	75	9.205	9.205	(1.163)	18802	1.00000	1.121
	83 Toluene	92	9.687	9.687	(0.878)	21469	1.00000	1.034
	78 trans-1,3-Dichloropropene	75	9.678	9.678	(0.877)	13367	1.00000	0.9824(a)
	85 Ethyl methacrylate	69	9.865	9.865	(0.894)	14668	1.00000	1.109
	80 1,1,2-Trichloroethane	83	9.835	9.835	(0.891)	9747	1.00000	1.162
	89 Tetrachloroethene	166	10.416	10.416	(0.944)	10219	1.00000	1.190
	87 Dibromochloromethane	129	10.308	10.308	(0.934)	10352	1.00000	1.052
	88 1,2-Dibromoethane	107	10.525	10.525	(0.954)	12283	1.00000	1.187
	74 Methyl cyclohexane	83	8.791	8.791	(1.111)	13221	1.00000	0.9852(a)
*	92 Chlorobenzene-d5	82	11.037	11.037	(1.000)	556745	30.0000	
	93 Chlorobenzene	112	11.076	11.076	(1.004)	26719	1.00000	1.126
	90 1,1,1,2-Tetrachloroethane	131	11.126	11.126	(1.008)	8827	1.00000	0.9980(a)
	91 1-Chlorohexane	91	11.047	11.047	(1.001)	29548	1.00000	1.181
	94 Ethylbenzene	91	11.224	11.224	(1.017)	41036	1.00000	1.087
	95 m,p-Xylene	91	11.332	11.332	(1.027)	66340	2.00000	2.295
M	107 Xylene(total)	91				102351	3.00000	3.469
	99 o-Xylene	91	11.726	11.726	(1.062)	36011	1.00000	1.174
	97 Styrene	104	11.697	11.697	(1.060)	26563	1.00000	1.089
	96 Bromoform	173	11.805	11.805	(1.070)	6285	1.00000	0.9392(a)
	103 Isopropylbenzene	105	12.130	12.130	(1.099)	34880	1.00000	1.205

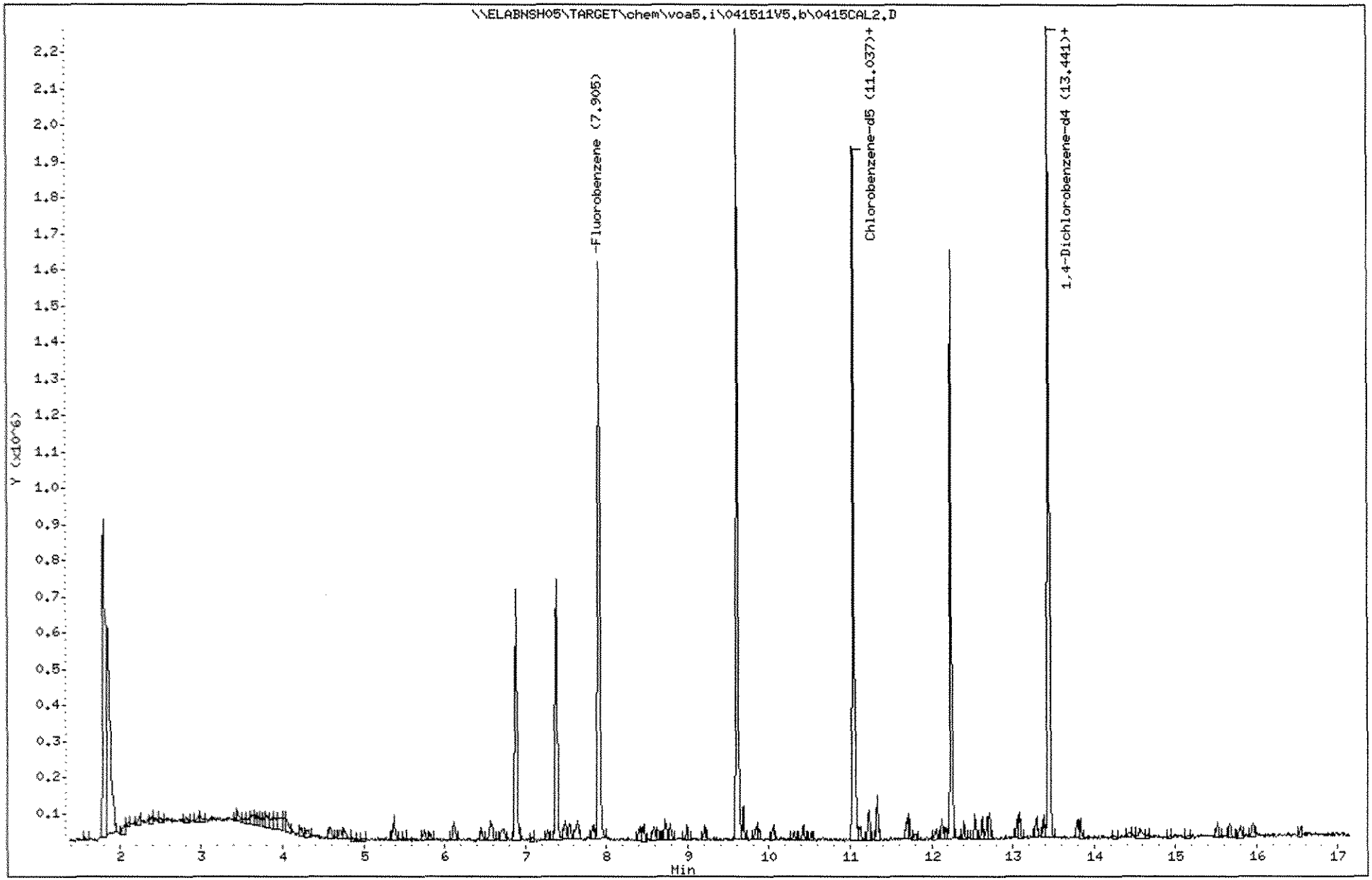
Data File: \\ELABNSH05\TARGET\chem\voa5.i\041511V5.b\0415CAL2.D
Report Date: 18-Apr-2011 12:31

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
98	1,1,2,2-Tetrachloroethane	83	12.051	12.051	(0.897)	14317	1.00000	1.164
84	1,3-Dichloropropane	76	10.052	10.052	(0.911)	16885	1.00000	1.121
100	1,2,3-Trichloropropane	110	12.180	12.180	(1.104)	3420	1.00000	1.148(Q)
108	n-Propylbenzene	91	12.534	12.534	(0.933)	45426	1.00000	1.059
113	1,3,5-Trimethylbenzene	105	12.711	12.711	(0.946)	30758	1.00000	1.092
111	1,2,4-Trimethylbenzene	105	13.086	13.086	(0.974)	31778	1.00000	1.109
114	sec-Butylbenzene	105	13.293	13.293	(0.989)	35260	1.00000	1.044
112	tert-Butylbenzene	119	13.056	13.056	(0.971)	33393	1.00000	1.202
115	1,3-Dichlorobenzene	146	13.381	13.381	(0.996)	20908	1.00000	1.132
* 117	1,4-Dichlorobenzene-d4	152	13.440	13.440	(1.000)	517966	30.0000	(Q)
118	1,4-Dichlorobenzene	146	13.470	13.470	(1.002)	20037	1.00000	1.031
121	n-Butylbenzene	91	13.834	13.834	(1.029)	27974	1.00000	1.077
120	1,2-Dichlorobenzene	146	13.795	13.795	(1.026)	17984	1.00000	1.070
122	1,2-Dibromo-3-chloropropane	157	14.435	14.435	(1.074)	1614	1.00000	0.8304(a)
105	Bromobenzene	156	12.396	12.396	(0.922)	11433	1.00000	1.063
109	2-Chlorotoluene	91	12.623	12.623	(0.939)	31224	1.00000	1.178
110	4-Chlorotoluene	91	12.682	12.682	(0.944)	31131	1.00000	1.039
123	1,2,4-Trichlorobenzene	180	15.519	15.519	(1.155)	11897	1.00000	1.153
124	Naphthalene	128	15.667	15.667	(1.166)	24240	1.00000	1.058
119	p-Isopropyltoluene	119	13.431	13.431	(0.999)	30680	1.00000	1.060
125	Hexachlorobutadiene	225	15.795	15.795	(1.175)	4611	1.00000	1.143
126	1,2,3-Trichlorobenzene	180	15.952	15.952	(1.187)	11197	1.00000	1.271

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.

Data File: \\ELABNSH05\TARGET\chem\voa5.i\041511V5.b\0415CAL2.D
Date : 15-APR-2011 10:18
Client ID: SEQ-CAL2
Instrument: voa5.i
Sample Info: SEQ-CAL2;;;;;
Purge Volume: 5.0
Operator: ADM
Column phase: RTX-VRX
Column diameter: 0.25



Data File: \\ELABNSH05\TARGET\chem\voa5.i\041511V5.b\0415CAL3.D
Report Date: 18-Apr-2011 12:32

Laboratory Name

Data file : \\ELABNSH05\TARGET\chem\voa5.i\041511V5.b\0415CAL3.D
Lab Smp Id: SEQ-CAL3 Client Smp ID: SEQ-CAL3
Inj Date : 15-APR-2011 10:43 MS Autotune Date: 28-JUL-1998 05:19
Operator : ADM Inst ID: voa5.i
Smp Info : SEQ-CAL3;;;;;
Misc Info : ;;;;;gmall-ks.sub;
Comment :
Method : \\ELABNSH05\TARGET\chem\voa5.i\041511V5.b\VW5SUR.m
Meth Date : 18-Apr-2011 12:32 amonteiro Quant Type: ISTD
Cal Date : 15-APR-2011 14:26 Cal File: 0415CALA.D
Als bottle: 3 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: gmall-ks.sub
Target Version: 4.04
Processing Host: TARGET02_VM

Concentration Formula: Amt * DF * 5*Uf/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	unit correction factor
Vo	5.000	Volume of sample purged (mL)

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
* 62 Fluorobenzene	96	7.905	7.905	(1.000)	1353722	30.0000	
1 Dichlorodifluoromethane	85	2.014	2.014	(0.255)	26258	2.00000	1.713(a)
2 Chloromethane	50	2.221	2.221	(0.281)	47556	2.00000	2.221
4 Vinyl chloride	62	2.379	2.379	(0.301)	29544	2.00000	1.299(a)
7 Bromomethane	94	2.812	2.812	(0.356)	17353	2.00000	3.384
8 Chloroethane	64	2.940	2.940	(0.372)	21406	2.00000	1.880(a)
11 Trichlorofluoromethane	101	3.443	3.443	(0.436)	38460	2.00000	2.110
15 t-Butyl alcohol	59	4.369	4.369	(0.553)	11436	10.0000	11.60(Q)
16 tert-Amyl alcohol	59	7.077	7.077	(0.895)	8079	10.0000	10.22
26 Trichlorotrifluoroethane	101	4.290	4.290	(0.543)	19321	2.00000	2.066
10 Acrolein	56	3.640	3.640	(0.460)	34296	10.0000	13.24
22 1,1-Dichloroethene	96	4.211	4.211	(0.533)	23898	2.00000	2.417(Q)
23 Iodomethane	142	4.418	4.418	(0.559)	13589	2.00000	3.609(a)
29 Carbon disulfide	76	4.763	4.763	(0.603)	62588	2.00000	2.048
25 Methylene chloride	84	4.704	4.704	(0.595)	24351	2.00000	2.107
24 Acrylonitrile	53	4.585	4.585	(0.580)	39241	10.0000	9.129(Q)

Data File: \\ELABNSH05\TARGET\chem\voa5.i\041511V5.b\0415CAL3.D
Report Date: 18-Apr-2011 12:32

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
32	trans-1,2-Dichloroethene	96	5.373	5.373	(0.680)	24361	2.00000	2.216
33	MTBE	73	5.373	5.373	(0.680)	55684	2.00000	2.203
34	1,1-Dichloroethane	63	5.748	5.748	(0.727)	42879	2.00000	2.059
37	Vinyl acetate	43	5.817	5.817	(0.736)	73333	4.00000	4.321(a)
45	Di-isopropyl ether	45	6.122	6.122	(0.774)	93550	2.00000	1.918
46	cis-1,2-Dichloroethene	96	6.457	6.457	(0.817)	27123	2.00000	2.284(Q)
M 30	1,2-Dichloroethene(total)	96				51484	4.00000	4.500
48	Bromochloromethane	128	6.733	6.733	(0.852)	12698	2.00000	2.127
53	Tetrahydrofuran	42	6.920	6.920	(0.875)	11792	2.00000	3.823
49	Chloroform	83	6.713	6.713	(0.849)	40160	2.00000	2.072
27	Methyl acetate	43	4.566	4.566	(0.578)	21285	2.00000	2.634
56	1,1,1-Trichloroethane	97	7.274	7.274	(0.920)	28424	2.00000	2.008
58	ETBE	59	6.585	6.585	(0.833)	77471	2.00000	2.081
59	Cyclohexane	56	7.550	7.550	(0.955)	36978	2.00000	1.980(a)
60	Carbon tetrachloride	117	7.609	7.609	(0.963)	20949	2.00000	1.936
61	Benzene	78	7.649	7.649	(0.968)	79451	2.00000	2.156
55	1,2-Dichloroethane	62	7.471	7.471	(0.945)	30650	2.00000	2.026
50	2,2-Dichloropropane	77	6.565	6.565	(0.831)	27585	2.00000	1.975
57	1,1-Dichloropropene	75	7.491	7.491	(0.948)	29371	2.00000	2.094(Q)
63	tert-Amyl Methyl Ether	73	7.836	7.836	(0.991)	61945	2.00000	2.076
73	tert-Amyl Ethyl Ether	59	8.722	8.722	(1.103)	60775	2.00000	1.999
67	Trichloroethene	95	8.407	8.407	(1.064)	23592	2.00000	2.192
66	1,2-Dichloropropane	63	8.456	8.456	(1.070)	28492	2.00000	2.211
65	Dibromomethane	93	8.565	8.565	(1.083)	13853	2.00000	1.920
70	Methyl methacrylate	41	7.540	7.540	(0.954)	22893	2.00000	1.795
68	Bromodichloromethane	83	8.634	8.634	(1.092)	28050	2.00000	1.942
71	2-Chloroethyl vinyl ether	63	8.988	8.988	(1.137)	32172	4.00000	4.162(a)
76	cis-1,3-Dichloropropene	75	9.205	9.205	(1.164)	33870	2.00000	2.000
83	Toluene	92	9.678	9.678	(0.877)	47448	2.00000	2.226
78	trans-1,3-Dichloropropene	75	9.678	9.678	(0.877)	28744	2.00000	2.058
85	Ethyl methacrylate	69	9.865	9.865	(0.894)	26784	2.00000	1.973
80	1,1,2-Trichloroethane	83	9.835	9.835	(0.891)	18177	2.00000	2.110
89	Tetrachloroethene	166	10.417	10.417	(0.944)	18565	2.00000	2.107
87	Dibromochloromethane	129	10.308	10.308	(0.934)	19709	2.00000	1.951
88	1,2-Dibromoethane	107	10.525	10.525	(0.954)	23075	2.00000	2.172
74	Methyl cyclohexane	83	8.782	8.782	(1.111)	30167	2.00000	2.225
* 92	Chlorobenzene-d5	82	11.037	11.037	(1.000)	571487	30.0000	
93	Chlorobenzene	112	11.077	11.077	(1.004)	51385	2.00000	2.110
90	1,1,1,2-Tetrachloroethane	131	11.116	11.116	(1.007)	20138	2.00000	2.218
91	1-Chlorohexane	91	11.047	11.047	(1.001)	53370	2.00000	2.079
94	Ethylbenzene	91	11.224	11.224	(1.017)	85508	2.00000	2.207
95	m,p-Xylene	91	11.333	11.333	(1.027)	127934	4.00000	4.311
M 107	Xylene(total)	91				196790	6.00000	6.498
99	o-Xylene	91	11.727	11.727	(1.062)	68856	2.00000	2.187
97	Styrene	104	11.697	11.697	(1.060)	53140	2.00000	2.123
96	Bromoform	173	11.806	11.806	(1.070)	13208	2.00000	1.923
103	Isopropylbenzene	105	12.131	12.131	(1.099)	62755	2.00000	2.112

Data File: \\ELABNSH05\TARGET\chem\voa5.i\041511V5.b\0415CAL3.D
Report Date: 18-Apr-2011 12:32

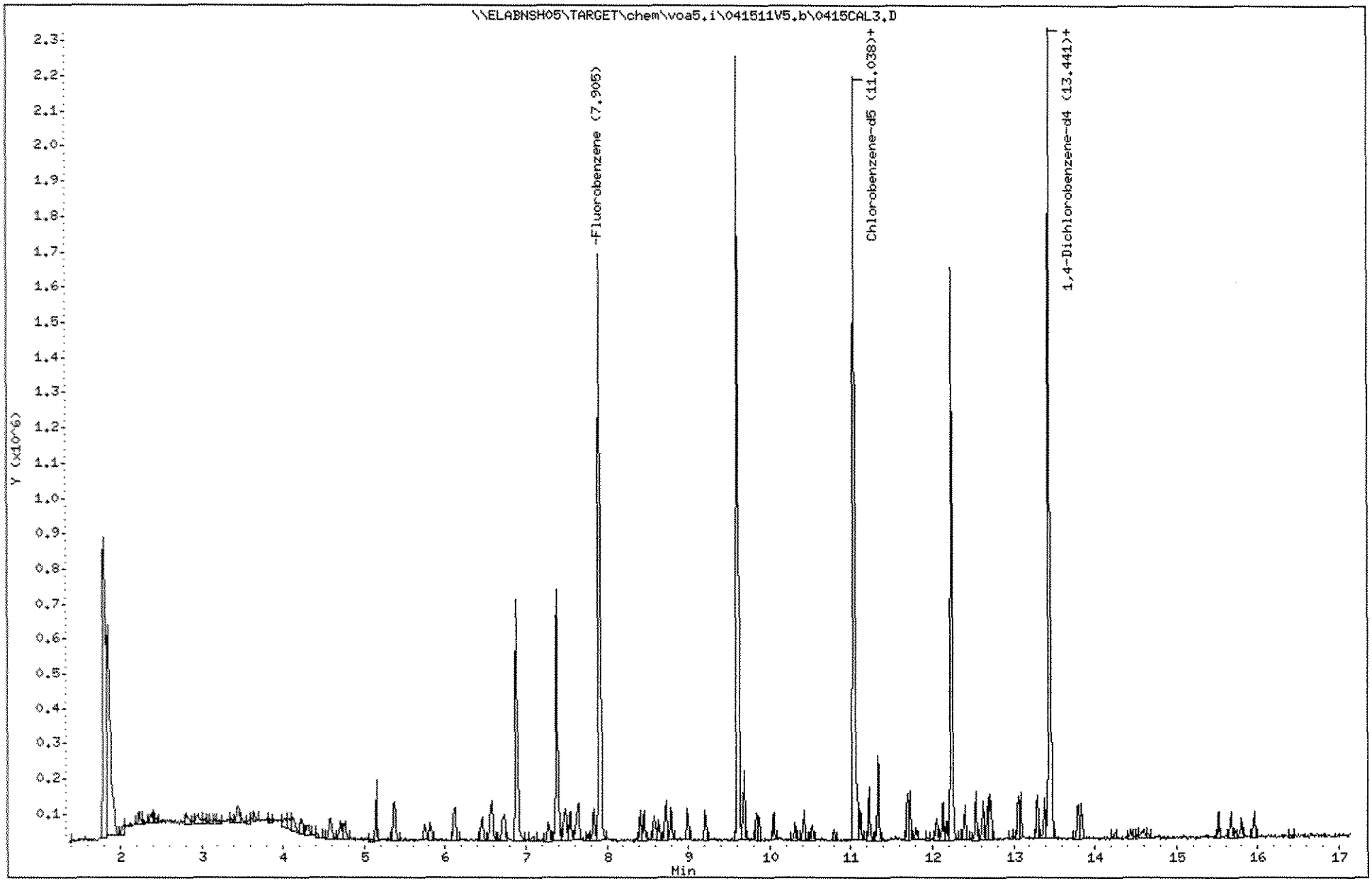
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
98	1,1,2,2-Tetrachloroethane	83	12.052	12.052	(0.897)	26132	2.00000	2.160
84	1,3-Dichloropropane	76	10.052	10.052	(0.911)	31857	2.00000	2.061
100	1,2,3-Trichloropropane	110	12.180	12.180	(1.104)	7680	2.00000	2.513(Q)
108	n-Propylbenzene	91	12.534	12.534	(0.933)	93210	2.00000	2.207
113	1,3,5-Trimethylbenzene	105	12.712	12.712	(0.946)	62612	2.00000	2.258
111	1,2,4-Trimethylbenzene	105	13.086	13.086	(0.974)	58939	2.00000	2.091
114	sec-Butylbenzene	105	13.293	13.293	(0.989)	72193	2.00000	2.172
112	tert-Butylbenzene	119	13.056	13.056	(0.971)	56176	2.00000	2.054
115	1,3-Dichlorobenzene	146	13.382	13.382	(0.996)	37760	2.00000	2.078
* 117	1,4-Dichlorobenzene-d4	152	13.441	13.441	(1.000)	509804	30.0000	(Q)
118	1,4-Dichlorobenzene	146	13.470	13.470	(1.002)	40859	2.00000	2.136
121	n-Butylbenzene	91	13.835	13.835	(1.029)	53302	2.00000	2.085
120	1,2-Dichlorobenzene	146	13.795	13.795	(1.026)	35677	2.00000	2.156
122	1,2-Dibromo-3-chloropropane	157	14.436	14.436	(1.074)	3220	2.00000	1.683(aQ)
105	Bromobenzene	156	12.397	12.397	(0.922)	20102	2.00000	1.899
109	2-Chlorotoluene	91	12.623	12.623	(0.939)	56416	2.00000	2.162
110	4-Chlorotoluene	91	12.682	12.682	(0.944)	63069	2.00000	2.139
123	1,2,4-Trichlorobenzene	180	15.519	15.519	(1.155)	22110	2.00000	2.176
124	Naphthalene	128	15.667	15.667	(1.166)	48891	2.00000	2.168
119	p-Isopropyltoluene	119	13.431	13.431	(0.999)	59214	2.00000	2.078
125	Hexachlorobutadiene	225	15.795	15.795	(1.175)	8656	2.00000	2.180
126	1,2,3-Trichlorobenzene	180	15.952	15.952	(1.187)	18102	2.00000	2.088

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.

Data File: \\ELABNSH05\TARGET\chem\voa5.i\041511V5.b\0415CAL3.D
Date : 15-APR-2011 10:43
Client ID: SEQ-CAL3
Sample Info: SEQ-CAL3;;;;;
Purge Volume: 5.0
Column phase: RTX-VRX

Instrument: voa5.i
Operator: ADM
Column diameter: 0.25



CTOJM29_002

Data File: \\ELABNSH05\TARGET\chem\voa5.i\041511V5.b\0415CAL4.D
Report Date: 18-Apr-2011 12:32

Laboratory Name

Data file : \\ELABNSH05\TARGET\chem\voa5.i\041511V5.b\0415CAL4.D
Lab Smp Id: SEQ-CAL4 Client Smp ID: SEQ-CAL4
Inj Date : 15-APR-2011 11:07 MS Autotune Date: 28-JUL-1998 05:19
Operator : ADM Inst ID: voa5.i
Smp Info : SEQ-CAL4;;;;;
Misc Info : ;;;;;gmall-ks.sub;
Comment :
Method : \\ELABNSH05\TARGET\chem\voa5.i\041511V5.b\VW5SUR.m
Meth Date : 18-Apr-2011 12:32 amonteiro Quant Type: ISTD
Cal Date : 15-APR-2011 14:26 Cal File: 0415CALA.D
Als bottle: 4 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: gmall-ks.sub
Target Version: 4.04
Processing Host: TARGET02_VM

Concentration Formula: Amt * DF * 5*Uf/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	unit correction factor
Vo	5.000	Volume of sample purged (mL)

04/21/11 mm 4/8/11

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
* 62 Fluorobenzene	96	7.911	7.911	(1.000)	1345037	30.0000	
1 Dichlorodifluoromethane	85	2.020	2.020	(0.255)	69935	5.00000	4.904
2 Chloromethane	50	2.227	2.227	(0.282)	108594	5.00000	5.104
4 Vinyl chloride	62	2.375	2.375	(0.300)	76277	5.00000	4.410
7 Bromomethane	94	2.818	2.818	(0.356)	39913	5.00000	5.390
8 Chloroethane	64	2.946	2.946	(0.372)	53420	5.00000	4.721
11 Trichlorofluoromethane	101	3.439	3.439	(0.435)	87241	5.00000	4.816
15 t-Butyl alcohol	59	4.375	4.375	(0.553)	22425	25.0000	22.89
16 tert-Amyl alcohol	59	7.083	7.083	(0.895)	18950	25.0000	24.13
26 Trichlorotrifluoroethane	101	4.296	4.296	(0.543)	44008	5.00000	4.735
10 Acrolein	56	3.636	3.636	(0.460)	47840	25.0000	20.11
22 1,1-Dichloroethene	96	4.227	4.227	(0.534)	43063	5.00000	4.383(Q)
23 Iodomethane	142	4.414	4.414	(0.558)	40456	5.00000	5.574
29 Carbon disulfide	76	4.759	4.759	(0.602)	142034	5.00000	4.677
25 Methylene chloride	84	4.709	4.709	(0.595)	55541	5.00000	4.837
24 Acrylonitrile	53	4.581	4.581	(0.579)	98589	25.0000	23.08(Q)

Data File: \\ELABNSH05\TARGET\chem\voa5.i\041511V5.b\0415CAL4.D
Report Date: 18-Apr-2011 12:32

			QUANT SIG					AMOUNTS	
		Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/L)	ON-COL (ug/L)
	32	trans-1,2-Dichloroethene	96	5.369	5.369	(0.679)	44982	5.00000	4.118
	33	MTBE	73	5.369	5.369	(0.679)	117678	5.00000	4.686
	34	1,1-Dichloroethane	63	5.744	5.744	(0.726)	96971	5.00000	4.687
	37	Vinyl acetate	43	5.823	5.823	(0.736)	159026	10.0000	9.431
	45	Di-isopropyl ether	45	6.118	6.118	(0.773)	233006	5.00000	4.809
	46	cis-1,2-Dichloroethene	96	6.453	6.453	(0.816)	55533	5.00000	4.707(Q)
M	30	1,2-Dichloroethene(total)	96				100515	10.0000	8.825
	48	Bromochloromethane	128	6.739	6.739	(0.852)	29456	5.00000	4.967
	53	Tetrahydrofuran	42	6.926	6.926	(0.875)	16844	5.00000	5.264
	49	Chloroform	83	6.709	6.709	(0.848)	87388	5.00000	4.538
	27	Methyl acetate	43	4.572	4.572	(0.578)	50556	5.00000	5.562
	56	1,1,1-Trichloroethane	97	7.271	7.271	(0.919)	64563	5.00000	4.590
	58	ETBE	59	6.581	6.581	(0.832)	174363	5.00000	4.715
	59	Cyclohexane	56	7.546	7.546	(0.954)	87322	5.00000	4.706
	60	Carbon tetrachloride	117	7.615	7.615	(0.963)	51474	5.00000	4.788
	61	Benzene	78	7.645	7.645	(0.966)	177872	5.00000	4.858
	55	1,2-Dichloroethane	62	7.477	7.477	(0.945)	71076	5.00000	4.727
	50	2,2-Dichloropropane	77	6.561	6.561	(0.829)	62336	5.00000	4.492
	57	1,1-Dichloropropene	75	7.497	7.497	(0.948)	64835	5.00000	4.652(Q)
	63	tert-Amyl Methyl Ether	73	7.842	7.842	(0.991)	136401	5.00000	4.602
	73	tert-Amyl Ethyl Ether	59	8.728	8.728	(1.103)	145253	5.00000	4.808
	67	Trichloroethene	95	8.403	8.403	(1.062)	47478	5.00000	4.441
	66	1,2-Dichloropropane	63	8.453	8.453	(1.068)	60446	5.00000	4.721
	65	Dibromomethane	93	8.571	8.571	(1.083)	32511	5.00000	4.536
	70	Methyl methacrylate	41	7.546	7.546	(0.954)	54259	5.00000	4.281
	68	Bromodichloromethane	83	8.630	8.630	(1.091)	67618	5.00000	4.713
	71	2-Chloroethyl vinyl ether	63	8.994	8.994	(1.137)	73851	10.0000	9.616
	76	cis-1,3-Dichloropropene	75	9.211	9.211	(1.164)	79503	5.00000	4.724
	83	Toluene	92	9.684	9.684	(0.877)	102462	5.00000	4.852
	78	trans-1,3-Dichloropropene	75	9.684	9.684	(0.877)	66494	5.00000	4.805
	85	Ethyl methacrylate	69	9.871	9.871	(0.894)	66573	5.00000	4.950
	80	1,1,2-Trichloroethane	83	9.841	9.841	(0.891)	41695	5.00000	4.886
	89	Tetrachloroethene	166	10.423	10.423	(0.944)	42752	5.00000	4.897
	87	Dibromochloromethane	129	10.314	10.314	(0.934)	49853	5.00000	4.980
	88	1,2-Dibromoethane	107	10.521	10.521	(0.953)	50997	5.00000	4.845
	74	Methyl cyclohexane	83	8.787	8.787	(1.111)	60877	5.00000	4.520
*	92	Chlorobenzene-d5	82	11.043	11.043	(1.000)	566237	30.0000	
	93	Chlorobenzene	112	11.083	11.083	(1.004)	117222	5.00000	4.858
	90	1,1,1,2-Tetrachloroethane	131	11.122	11.122	(1.007)	45843	5.00000	5.096
	91	1-Chlorohexane	91	11.043	11.043	(1.000)	120534	5.00000	4.738
	94	Ethylbenzene	91	11.220	11.220	(1.016)	194106	5.00000	5.056
	95	m,p-Xylene	91	11.339	11.339	(1.027)	296113	10.0000	10.07
M	107	Xylene(total)	91				443220	15.0000	14.79
	99	o-Xylene	91	11.733	11.733	(1.062)	147107	5.00000	4.716
	97	Styrene	104	11.703	11.703	(1.060)	122007	5.00000	4.919
	96	Bromoform	173	11.802	11.802	(1.069)	30454	5.00000	4.475
	103	Isopropylbenzene	105	12.127	12.127	(1.098)	138160	5.00000	4.694

Data File: \\ELABNSH05\TARGET\chem\voa5.i\041511V5.b\0415CAL4.D
Report Date: 18-Apr-2011 12:32

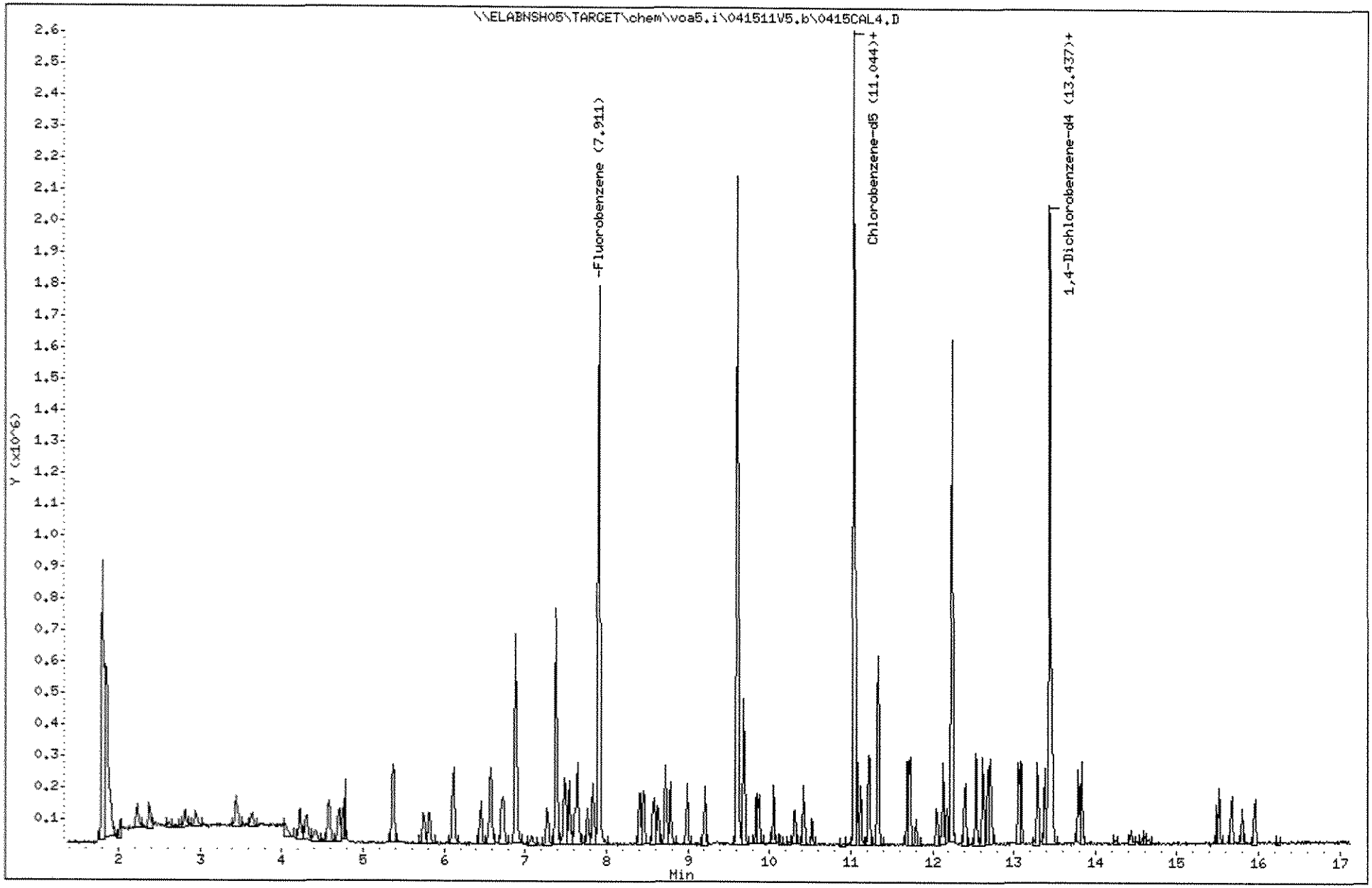
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)	
98	1,1,2,2-Tetrachloroethane	83	12.048	12.048	(0.896)	56127	5.00000	4.753	
84	1,3-Dichloropropane	76	10.048	10.048	(0.910)	77117	5.00000	5.035	
100	1,2,3-Trichloropropane	110	12.176	12.176	(1.103)	13337	5.00000	4.404	
108	n-Propylbenzene	91	12.531	12.531	(0.932)	207172	5.00000	5.027	
113	1,3,5-Trimethylbenzene	105	12.718	12.718	(0.946)	127294	5.00000	4.704	
111	1,2,4-Trimethylbenzene	105	13.082	13.082	(0.973)	128932	5.00000	4.686	
114	sec-Butylbenzene	105	13.289	13.289	(0.988)	157776	5.00000	4.864	
112	tert-Butylbenzene	119	13.053	13.053	(0.971)	135928	5.00000	5.092	
115	1,3-Dichlorobenzene	146	13.378	13.378	(0.995)	83630	5.00000	4.716	
* 117	1,4-Dichlorobenzene-d4	152	13.447	13.447	(1.000)	497533	30.0000		(Q)
118	1,4-Dichlorobenzene	146	13.476	13.476	(1.002)	89865	5.00000	4.813	
121	n-Butylbenzene	91	13.831	13.831	(1.029)	127185	5.00000	5.097	
120	1,2-Dichlorobenzene	146	13.791	13.791	(1.026)	81740	5.00000	5.062	
122	1,2-Dibromo-3-chloropropane	157	14.442	14.442	(1.074)	9586	5.00000	5.135	
105	Bromobenzene	156	12.403	12.403	(0.922)	53631	5.00000	5.192	
109	2-Chlorotoluene	91	12.619	12.619	(0.938)	128015	5.00000	5.028	
110	4-Chlorotoluene	91	12.688	12.688	(0.944)	139099	5.00000	4.835	
123	1,2,4-Trichlorobenzene	180	15.515	15.515	(1.154)	45437	5.00000	4.583	
124	Naphthalene	128	15.673	15.673	(1.166)	105124	5.00000	4.776	
119	p-Isopropyltoluene	119	13.427	13.427	(0.999)	133288	5.00000	4.792	
125	Hexachlorobutadiene	225	15.801	15.801	(1.175)	17741	5.00000	4.578	
126	1,2,3-Trichlorobenzene	180	15.958	15.958	(1.187)	40438	5.00000	4.779	

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Data File: \\ELABNSH05\TARGET\chem\voa5.i\041511V5.b\0415CAL4.D
Date : 15-APR-2011 11:07
Client ID: SEQ-CAL4
Sample Info: SEQ-CAL4;;;;;
Purge Volume: 5.0
Column phase: RTX-VRX

Instrument: voa5.i
Operator: ADM
Column diameter: 0.25



Data File: \\ELABNSH05\TARGET\chem\voa5.i\041511V5.b\0415CAL5.D
Report Date: 18-Apr-2011 12:32

Laboratory Name

Data file : \\ELABNSH05\TARGET\chem\voa5.i\041511V5.b\0415CAL5.D
Lab Smp Id: SEQ-CAL5 Client Smp ID: SEQ-CAL5
Inj Date : 15-APR-2011 11:32 MS Autotune Date: 28-JUL-1998 05:19
Operator : ADM Inst ID: voa5.i
Smp Info : SEQ-CAL5;;;;;
Misc Info : ;;;;;gmall-ks.sub;
Comment :
Method : \\ELABNSH05\TARGET\chem\voa5.i\041511V5.b\VW5SUR.m
Meth Date : 18-Apr-2011 12:32 amonteiro Quant Type: ISTD
Cal Date : 15-APR-2011 14:26 Cal File: 0415CALA.D
Als bottle: 5 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: gmall-ks.sub
Target Version: 4.04
Processing Host: TARGET02_VM

Concentration Formula: Amt * DF * 5*Uf/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	unit correction factor
Vo	5.000	Volume of sample purged (mL)

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
* 62 Fluorobenzene	96	7.915	7.915	(1.000)	1334026	30.0000	
1 Dichlorodifluoromethane	85	2.015	2.015	(0.255)	121302	10.0000	8.714
2 Chloromethane	50	2.232	2.232	(0.282)	197128	10.0000	9.341
4 Vinyl chloride	62	2.379	2.379	(0.301)	161007	10.0000	10.45
7 Bromomethane	94	2.813	2.813	(0.355)	79417	10.0000	8.944
8 Chloroethane	64	2.951	2.951	(0.373)	101864	10.0000	9.077
11 Trichlorofluoromethane	101	3.443	3.443	(0.435)	173276	10.0000	9.645
15 t-Butyl alcohol	59	4.379	4.379	(0.553)	43631	50.0000	44.91(Q)
16 tert-Amyl alcohol	59	7.088	7.088	(0.895)	37033	50.0000	47.54(Q)
26 Trichlorotrifluoroethane	101	4.300	4.300	(0.543)	80754	10.0000	8.761
10 Acrolein	56	3.640	3.640	(0.460)	97891	50.0000	45.49
22 1,1-Dichloroethene	96	4.231	4.231	(0.535)	86257	10.0000	8.852(Q)
23 Iodomethane	142	4.418	4.418	(0.558)	82651	10.0000	8.699
29 Carbon disulfide	76	4.763	4.763	(0.602)	281814	10.0000	9.356
25 Methylene chloride	84	4.704	4.704	(0.594)	100149	10.0000	8.794
24 Acrylonitrile	53	4.586	4.586	(0.579)	195635	50.0000	46.19(Q)

Data File: \\ELABNSH05\TARGET\chem\voa5.i\041511V5.b\0415CAL5.D
Report Date: 18-Apr-2011 12:32

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
32	trans-1,2-Dichloroethene	96	5.374	5.374	(0.679)	94422	10.0000	8.715
33	MTBE	73	5.374	5.374	(0.679)	232125	10.0000	9.320
34	1,1-Dichloroethane	63	5.748	5.748	(0.726)	183241	10.0000	8.929
37	Vinyl acetate	43	5.817	5.817	(0.735)	302342	20.0000	18.08
45	Di-isopropyl ether	45	6.122	6.122	(0.774)	448694	10.0000	9.338
46	cis-1,2-Dichloroethene	96	6.457	6.457	(0.816)	101465	10.0000	8.672(Q)
M 30	1,2-Dichloroethene(total)	96				195887	20.0000	17.39
48	Bromochloromethane	128	6.733	6.733	(0.851)	50102	10.0000	8.518
53	Tetrahydrofuran	42	6.930	6.930	(0.876)	31968	10.0000	9.589
49	Chloroform	83	6.713	6.713	(0.848)	170904	10.0000	8.949
27	Methyl acetate	43	4.576	4.576	(0.578)	90356	10.0000	9.599
56	1,1,1-Trichloroethane	97	7.275	7.275	(0.919)	123221	10.0000	8.833
58	ETBE	59	6.585	6.585	(0.832)	330271	10.0000	9.004
59	Cyclohexane	56	7.551	7.551	(0.954)	162020	10.0000	8.804
60	Carbon tetrachloride	117	7.620	7.620	(0.963)	95400	10.0000	8.947
61	Benzene	78	7.649	7.649	(0.966)	327255	10.0000	9.013
55	1,2-Dichloroethane	62	7.472	7.472	(0.944)	132918	10.0000	8.914
50	2,2-Dichloropropane	77	6.566	6.566	(0.830)	120752	10.0000	8.773
57	1,1-Dichloropropene	75	7.492	7.492	(0.946)	124201	10.0000	8.986(Q)
63	tert-Amyl Methyl Ether	73	7.836	7.836	(0.990)	264279	10.0000	8.989
73	tert-Amyl Ethyl Ether	59	8.723	8.723	(1.102)	269590	10.0000	8.998
67	Trichloroethene	95	8.408	8.408	(1.062)	97315	10.0000	9.177
66	1,2-Dichloropropane	63	8.457	8.457	(1.068)	110346	10.0000	8.690
65	Dibromomethane	93	8.575	8.575	(1.083)	65773	10.0000	9.252
70	Methyl methacrylate	41	7.551	7.551	(0.954)	108268	10.0000	8.612
68	Bromodichloromethane	83	8.634	8.634	(1.091)	121059	10.0000	8.507
71	2-Chloroethyl vinyl ether	63	8.989	8.989	(1.136)	132989	20.0000	17.46
76	cis-1,3-Dichloropropene	75	9.206	9.206	(1.163)	153480	10.0000	9.194
83	Toluene	92	9.688	9.688	(0.877)	186584	10.0000	9.069
78	trans-1,3-Dichloropropene	75	9.688	9.688	(0.877)	122984	10.0000	9.122
85	Ethyl methacrylate	69	9.875	9.875	(0.894)	121977	10.0000	9.310
80	1,1,2-Trichloroethane	83	9.836	9.836	(0.890)	80006	10.0000	9.624
89	Tetrachloroethene	166	10.427	10.427	(0.944)	83315	10.0000	9.797
87	Dibromochloromethane	129	10.309	10.309	(0.933)	92050	10.0000	9.438
88	1,2-Dibromoethane	107	10.525	10.525	(0.953)	95833	10.0000	9.345
74	Methyl cyclohexane	83	8.792	8.792	(1.111)	115374	10.0000	8.637
* 92	Chlorobenzene-d5	82	11.048	11.048	(1.000)	551641	30.0000	
93	Chlorobenzene	112	11.077	11.077	(1.003)	223996	10.0000	9.529
90	1,1,1,2-Tetrachloroethane	131	11.126	11.126	(1.007)	80079	10.0000	9.137
91	1-Chlorohexane	91	11.048	11.048	(1.000)	225201	10.0000	9.088
94	Ethylbenzene	91	11.225	11.225	(1.016)	364054	10.0000	9.734
95	m,p-Xylene	91	11.333	11.333	(1.026)	536811	20.0000	18.74
M 107	Xylene(total)	91				823835	30.0000	28.19
99	o-Xylene	91	11.727	11.727	(1.062)	287024	10.0000	9.446
97	Styrene	104	11.698	11.698	(1.059)	236602	10.0000	9.791
96	Bromoform	173	11.806	11.806	(1.069)	61348	10.0000	9.253
103	Isopropylbenzene	105	12.131	12.131	(1.098)	272881	10.0000	9.516

Data File: \\ELABNSH05\TARGET\chem\voa5.i\041511V5.b\0415CAL5.D
Report Date: 18-Apr-2011 12:32

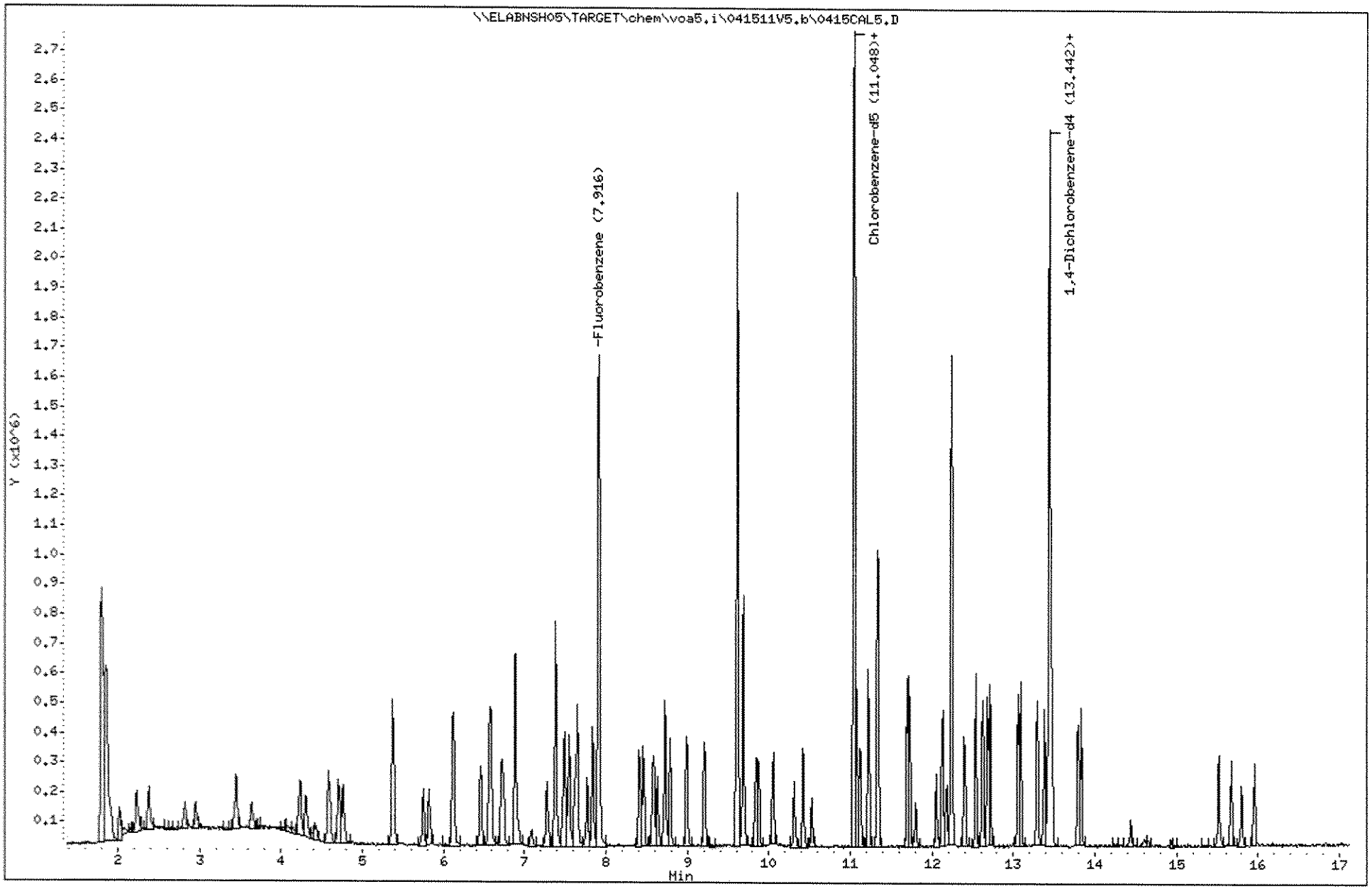
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
98	1,1,2,2-Tetrachloroethane	83	12.052	12.052	(0.897)	111316	10.0000	9.187
84	1,3-Dichloropropane	76	10.053	10.053	(0.910)	140653	10.0000	9.426
100	1,2,3-Trichloropropane	110	12.170	12.170	(1.102)	29370	10.0000	9.954(Q)
108	n-Propylbenzene	91	12.535	12.535	(0.933)	383208	10.0000	9.062
113	1,3,5-Trimethylbenzene	105	12.712	12.712	(0.946)	247241	10.0000	8.905
111	1,2,4-Trimethylbenzene	105	13.087	13.087	(0.974)	247231	10.0000	8.758
114	sec-Butylbenzene	105	13.293	13.293	(0.989)	296161	10.0000	8.898
112	tert-Butylbenzene	119	13.057	13.057	(0.971)	242766	10.0000	8.864
115	1,3-Dichlorobenzene	146	13.382	13.382	(0.996)	159816	10.0000	8.783
* 117	1,4-Dichlorobenzene-d4	152	13.441	13.441	(1.000)	510486	30.0000	(Q)
118	1,4-Dichlorobenzene	146	13.471	13.471	(1.002)	165887	10.0000	8.659
121	n-Butylbenzene	91	13.835	13.835	(1.029)	223522	10.0000	8.730
120	1,2-Dichlorobenzene	146	13.796	13.796	(1.026)	153901	10.0000	9.288
122	1,2-Dibromo-3-chloropropane	157	14.436	14.436	(1.074)	17419	10.0000	9.094
105	Bromobenzene	156	12.397	12.397	(0.922)	98607	10.0000	9.303
109	2-Chlorotoluene	91	12.624	12.624	(0.939)	235677	10.0000	9.021
110	4-Chlorotoluene	91	12.683	12.683	(0.944)	261343	10.0000	8.853
123	1,2,4-Trichlorobenzene	180	15.520	15.520	(1.155)	86028	10.0000	8.457
124	Naphthalene	128	15.667	15.667	(1.166)	205922	10.0000	9.119
119	p-Isopropyltoluene	119	13.431	13.431	(0.999)	259268	10.0000	9.085
125	Hexachlorobutadiene	225	15.805	15.805	(1.176)	33981	10.0000	8.546
126	1,2,3-Trichlorobenzene	180	15.953	15.953	(1.187)	76343	10.0000	8.794

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Data File: \\ELABNSH05\TARGET\chem\voa5.i\041511V5.b\0415CAL5.D
Date : 15-APR-2011 11:32
Client ID: SEQ-CAL5
Sample Info: SEQ-CAL5;;;;;
Purge Volume: 5.0
Column phase: RTX-VRX

Instrument: voa5.i
Operator: ADM
Column diameter: 0.25



Data File: \\ELABNSH05\TARGET\chem\voa5.i\041511V5.b\0415CAL6.D
Report Date: 18-Apr-2011 12:32

Laboratory Name

Data file : \\ELABNSH05\TARGET\chem\voa5.i\041511V5.b\0415CAL6.D
Lab Smp Id: SEQ-CAL6 Client Smp ID: SEQ-CAL6
Inj Date : 15-APR-2011 11:57 MS Autotune Date: 28-JUL-1998 05:19
Operator : ADM Inst ID: voa5.i
Smp Info : SEQ-CAL6;;;;;
Misc Info : ;;;;;gmall-ks.sub;
Comment :
Method : \\ELABNSH05\TARGET\chem\voa5.i\041511V5.b\VW5SUR.m
Meth Date : 18-Apr-2011 12:32 amonteiro Quant Type: ISTD
Cal Date : 15-APR-2011 14:26 Cal File: 0415CALA.D
Als bottle: 6 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: gmall-ks.sub
Target Version: 4.04
Processing Host: TARGET02_VM

Concentration Formula: Amt * DF * 5*Uf/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	unit correction factor
Vo	5.000	Volume of sample purged (mL)

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
* 62 Fluorobenzene	96	7.916	7.916	(1.000)	1336542	30.0000	
1 Dichlorodifluoromethane	85	2.016	2.016	(0.255)	704413	50.0000	51.40
2 Chloromethane	50	2.233	2.233	(0.282)	1071099	50.0000	50.66
4 Vinyl chloride	62	2.381	2.381	(0.301)	675043	50.0000	55.97
7 Bromomethane	94	2.824	2.824	(0.357)	503922	50.0000	46.74
8 Chloroethane	64	2.952	2.952	(0.373)	567339	50.0000	50.46
11 Trichlorofluoromethane	101	3.444	3.444	(0.435)	878417	50.0000	48.80
15 t-Butyl alcohol	59	4.380	4.380	(0.553)	233790	250.000	240.2
16 tert-Amyl alcohol	59	7.089	7.089	(0.895)	183837	250.000	235.6
26 Trichlorotrifluoroethane	101	4.311	4.311	(0.545)	463232	50.0000	50.16
10 Acrolein	56	3.641	3.641	(0.460)	500404	250.000	247.6
22 1,1-Dichloroethene	96	4.232	4.232	(0.535)	447693	50.0000	45.86(Q)
23 Iodomethane	142	4.429	4.429	(0.560)	604791	50.0000	46.99
29 Carbon disulfide	76	4.764	4.764	(0.602)	1526031	50.0000	50.57
25 Methylene chloride	84	4.715	4.715	(0.596)	560921	50.0000	49.16
24 Acrylonitrile	53	4.587	4.587	(0.579)	1048825	250.000	247.1(Q)

Data File: \\ELABNSH05\TARGET\chem\voa5.i\041511V5.b\0415CAL6.D
Report Date: 18-Apr-2011 12:32

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
	32 trans-1,2-Dichloroethene	96	5.375	5.375	(0.679)	512644	50.0000	47.22
	33 MTBE	73	5.375	5.375	(0.679)	1281080	50.0000	51.34
	34 1,1-Dichloroethane	63	5.749	5.749	(0.726)	1038280	50.0000	50.50
	37 Vinyl acetate	43	5.828	5.828	(0.736)	1701256	100.000	101.5
	45 Di-isopropyl ether	45	6.124	6.124	(0.774)	2449907	50.0000	50.89
	46 cis-1,2-Dichloroethene	96	6.459	6.459	(0.816)	569296	50.0000	48.56(Q)
M	30 1,2-Dichloroethene(total)	96				1081940	100.000	95.79
	48 Bromochloromethane	128	6.744	6.744	(0.852)	293012	50.0000	49.72
	53 Tetrahydrofuran	42	6.931	6.931	(0.876)	168833	50.0000	48.29
	49 Chloroform	83	6.715	6.715	(0.848)	898662	50.0000	46.97
	27 Methyl acetate	43	4.577	4.577	(0.578)	479021	50.0000	48.52
	56 1,1,1-Trichloroethane	97	7.276	7.276	(0.919)	690269	50.0000	49.39
	58 ETBE	59	6.587	6.587	(0.832)	1834691	50.0000	49.93
	59 Cyclohexane	56	7.552	7.552	(0.954)	913414	50.0000	49.54
	60 Carbon tetrachloride	117	7.621	7.621	(0.963)	547726	50.0000	51.27
	61 Benzene	78	7.650	7.650	(0.966)	1782448	50.0000	49.00
	55 1,2-Dichloroethane	62	7.483	7.483	(0.945)	754639	50.0000	50.51
	50 2,2-Dichloropropane	77	6.567	6.567	(0.830)	673345	50.0000	48.83
	57 1,1-Dichloropropene	75	7.503	7.503	(0.948)	685521	50.0000	49.50(Q)
	63 tert-Amyl Methyl Ether	73	7.838	7.838	(0.990)	1478931	50.0000	50.21
	73 tert-Amyl Ethyl Ether	59	8.724	8.724	(1.102)	1513698	50.0000	50.43
	67 Trichloroethene	95	8.409	8.409	(1.062)	533729	50.0000	50.24
	66 1,2-Dichloropropane	63	8.458	8.458	(1.068)	600464	50.0000	47.20
	65 Dibromomethane	93	8.576	8.576	(1.083)	365748	50.0000	51.35
	70 Methyl methacrylate	41	7.552	7.552	(0.954)	607101	50.0000	48.20
	68 Bromodichloromethane	83	8.636	8.636	(1.091)	709230	50.0000	49.75
	71 2-Chloroethyl vinyl ether	63	9.000	9.000	(1.137)	757110	100.000	99.21
	76 cis-1,3-Dichloropropene	75	9.217	9.217	(1.164)	826348	50.0000	49.41
	83 Toluene	92	9.689	9.689	(0.877)	1055235	50.0000	49.72
	78 trans-1,3-Dichloropropene	75	9.689	9.689	(0.877)	736800	50.0000	52.99
	85 Ethyl methacrylate	69	9.877	9.877	(0.894)	677636	50.0000	50.14
	80 1,1,2-Trichloroethane	83	9.847	9.847	(0.891)	405058	50.0000	47.24
	89 Tetrachloroethene	166	10.428	10.428	(0.944)	467742	50.0000	53.32
	87 Dibromochloromethane	129	10.320	10.320	(0.934)	523703	50.0000	52.06
	88 1,2-Dibromoethane	107	10.527	10.527	(0.953)	523934	50.0000	49.53
	74 Methyl cyclohexane	83	8.793	8.793	(1.111)	653349	50.0000	48.82
*	92 Chlorobenzene-d5	82	11.049	11.049	(1.000)	568997	30.0000	
	93 Chlorobenzene	112	11.088	11.088	(1.004)	1242232	50.0000	51.23
	90 1,1,1,2-Tetrachloroethane	131	11.128	11.128	(1.007)	481774	50.0000	53.30
	91 1-Chlorohexane	91	11.049	11.049	(1.000)	1251693	50.0000	48.97
	94 Ethylbenzene	91	11.236	11.236	(1.017)	1990736	50.0000	51.60
	95 m,p-Xylene	91	11.344	11.344	(1.027)	2982791	100.000	101.0
M	107 Xylene(total)	91				4526481	150.000	150.2
	99 o-Xylene	91	11.738	11.738	(1.062)	1543690	50.0000	49.25
	97 Styrene	104	11.709	11.709	(1.060)	1286118	50.0000	51.60
	96 Bromoform	173	11.817	11.817	(1.070)	361550	50.0000	52.87
	103 Isopropylbenzene	105	12.132	12.132	(1.098)	1521869	50.0000	51.45

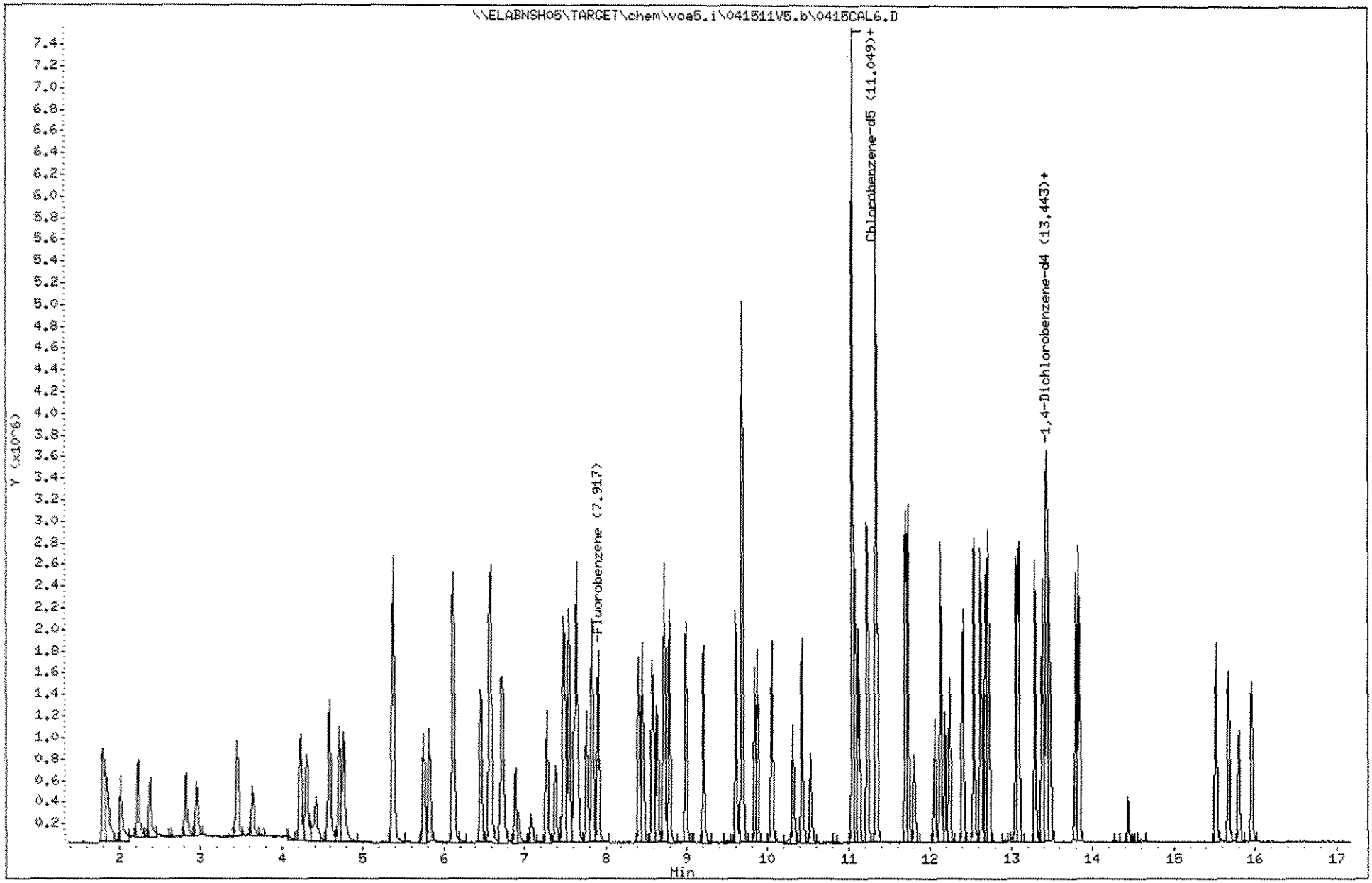
Data File: \\ELABNSH05\TARGET\chem\voa5.i\041511V5.b\0415CAL6.D
Report Date: 18-Apr-2011 12:32

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)	
98	1,1,2,2-Tetrachloroethane	83	12.054	12.054	(0.896)	605066	50.0000	50.78	
84	1,3-Dichloropropane	76	10.054	10.054	(0.910)	774057	50.0000	50.29	
100	1,2,3-Trichloropropane	110	12.182	12.182	(1.103)	143665	50.0000	47.21	
108	n-Propylbenzene	91	12.546	12.546	(0.933)	2106681	50.0000	50.66	
113	1,3,5-Trimethylbenzene	105	12.723	12.723	(0.946)	1394572	50.0000	51.08	
111	1,2,4-Trimethylbenzene	105	13.098	13.098	(0.974)	1398346	50.0000	50.37	
114	sec-Butylbenzene	105	13.295	13.295	(0.988)	1652615	50.0000	50.49	
112	tert-Butylbenzene	119	13.068	13.068	(0.971)	1378559	50.0000	51.18	
115	1,3-Dichlorobenzene	146	13.383	13.383	(0.995)	879412	50.0000	49.15	
* 117	1,4-Dichlorobenzene-d4	152	13.452	13.452	(1.000)	502001	30.0000		(Q)
118	1,4-Dichlorobenzene	146	13.482	13.482	(1.002)	902839	50.0000	47.92	
121	n-Butylbenzene	91	13.836	13.836	(1.029)	1286924	50.0000	51.11	
120	1,2-Dichlorobenzene	146	13.797	13.797	(1.026)	864345	50.0000	53.05	
122	1,2-Dibromo-3-chloropropane	157	14.447	14.447	(1.074)	103502	50.0000	54.95	
105	Bromobenzene	156	12.408	12.408	(0.922)	535711	50.0000	51.40	
109	2-Chlorotoluene	91	12.625	12.625	(0.938)	1295690	50.0000	50.43	
110	4-Chlorotoluene	91	12.694	12.694	(0.944)	1505702	50.0000	51.87	
123	1,2,4-Trichlorobenzene	180	15.521	15.521	(1.154)	483034	50.0000	48.29	
124	Naphthalene	128	15.678	15.678	(1.165)	1118012	50.0000	50.35	
119	p-Isopropyltoluene	119	13.433	13.433	(0.999)	1394411	50.0000	49.69	
125	Hexachlorobutadiene	225	15.806	15.806	(1.175)	181608	50.0000	46.45	
126	1,2,3-Trichlorobenzene	180	15.964	15.964	(1.187)	434145	50.0000	50.85	

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Data File: \\ELABNSH05\TARGET\chem\voa5.i\041511V5.b\0415CAL6.D
Date : 15-APR-2011 11:57
Client ID: SEQ-CAL6
Instrument: voa5.i
Sample Info: SEQ-CAL6;;;;;
Purge Volume: 5.0
Operator: ADM
Column phase: RTX-VRX
Column diameter: 0.25



CTOJM29_002

Data File: \\ELABNSH05\TARGET\chem\voa5.i\041511V5.b\0415CAL7.D
Report Date: 18-Apr-2011 12:33

Laboratory Name

Data file : \\ELABNSH05\TARGET\chem\voa5.i\041511V5.b\0415CAL7.D
Lab Smp Id: SEQ-CAL7 Client Smp ID: SEQ-CAL7
Inj Date : 15-APR-2011 12:22 MS Autotune Date: 28-JUL-1998 05:19
Operator : ADM Inst ID: voa5.i
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Misc Info : ;;;;;gmall-ks.sub;
Comment :
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Meth Date : 18-Apr-2011 12:33 amonteiro Quant Type: ISTD
Cal Date : 15-APR-2011 14:26 Cal File: 0415CALA.D
Als bottle: 7 Calibration Sample, Level: 7
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: gmall-ks.sub
Target Version: 4.04
Processing Host: TARGET02_VM

Concentration Formula: Amt * DF * 5*Uf/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	unit correction factor
Vo	5.000	Volume of sample purged (mL)

04/12/11 mw 4/18/11

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
* 62 Fluorobenzene	96	7.920	7.920	(1.000)	1328259	30.0000	
1 Dichlorodifluoromethane	85	2.019	2.019	(0.255)	1380336	100.000	101.5
2 Chloromethane	50	2.226	2.226	(0.281)	2059818	100.000	98.03
4 Vinyl chloride	62	2.374	2.374	(0.300)	1036056	100.000	98.21
7 Bromomethane	94	2.817	2.817	(0.356)	1054634	100.000	96.37
8 Chloroethane	64	2.955	2.955	(0.373)	1088601	100.000	97.42
11 Trichlorofluoromethane	101	3.448	3.448	(0.435)	1757366	100.000	98.25
15 t-Butyl alcohol	59	4.383	4.383	(0.553)	479903	500.000	496.1
16 tert-Amyl alcohol	59	7.092	7.092	(0.896)	387537	500.000	499.7
26 Trichlorotrifluoroethane	101	4.305	4.305	(0.544)	915503	100.000	99.75
10 Acrolein	56	3.645	3.645	(0.460)	1054597	500.000	529.2
22 1,1-Dichloroethene	96	4.236	4.236	(0.535)	905771	100.000	93.36
23 Iodomethane	142	4.433	4.433	(0.560)	1279191	100.000	97.06
29 Carbon disulfide	76	4.768	4.768	(0.602)	3049485	100.000	101.7
25 Methylene chloride	84	4.718	4.718	(0.596)	1114346	100.000	98.28
24 Acrylonitrile	53	4.600	4.600	(0.581)	2129793	500.000	505.0

Data File: \\ELABNSH05\TARGET\chem\voa5.i\041511V5.b\0415CAL7.D
Report Date: 18-Apr-2011 12:33

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
	32 trans-1,2-Dichloroethene	96	5.388	5.388	(0.680)	1027460	100.000	95.24
	33 MTBE	73	5.378	5.378	(0.679)	2651517	100.000	106.9
	34 1,1-Dichloroethane	63	5.762	5.762	(0.728)	2059176	100.000	100.8
	37 Vinyl acetate	43	5.831	5.831	(0.736)	3386532	200.000	203.4
	45 Di-isopropyl ether	45	6.127	6.127	(0.774)	4927176	100.000	103.0
	46 cis-1,2-Dichloroethene	96	6.472	6.472	(0.817)	1148675	100.000	98.60
M	30 1,2-Dichloroethene(total)	96				2176135	200.000	193.8
	48 Bromochloromethane	128	6.748	6.748	(0.852)	576874	100.000	98.50
	53 Tetrahydrofuran	42	6.935	6.935	(0.876)	339466	100.000	97.15
	49 Chloroform	83	6.728	6.728	(0.850)	1803740	100.000	94.86
	27 Methyl acetate	43	4.580	4.580	(0.578)	974897	100.000	98.81
	56 1,1,1-Trichloroethane	97	7.289	7.289	(0.920)	1398370	100.000	100.7
	58 ETBE	59	6.590	6.590	(0.832)	3693761	100.000	101.1
	59 Cyclohexane	56	7.555	7.555	(0.954)	1810196	100.000	98.79
	60 Carbon tetrachloride	117	7.624	7.624	(0.963)	1110917	100.000	104.6
	61 Benzene	78	7.654	7.654	(0.966)	3578581	100.000	98.98
	55 1,2-Dichloroethane	62	7.486	7.486	(0.945)	1529656	100.000	103.0
	50 2,2-Dichloropropane	77	6.580	6.580	(0.831)	1353332	100.000	98.75
	57 1,1-Dichloropropene	75	7.506	7.506	(0.948)	1379425	100.000	100.2
	63 tert-Amyl Methyl Ether	73	7.851	7.851	(0.991)	2948196	100.000	100.7
	73 tert-Amyl Ethyl Ether	59	8.737	8.737	(1.103)	3068020	100.000	102.8
	67 Trichloroethene	95	8.422	8.422	(1.063)	1050520	100.000	99.50
	66 1,2-Dichloropropane	63	8.471	8.471	(1.070)	1225731	100.000	96.94
	65 Dibromomethane	93	8.580	8.580	(1.083)	717659	100.000	101.4
	70 Methyl methacrylate	41	7.555	7.555	(0.954)	1193040	100.000	95.32
	68 Bromodichloromethane	83	8.649	8.649	(1.092)	1408284	100.000	99.39
	71 2-Chloroethyl vinyl ether	63	9.003	9.003	(1.137)	1546265	200.000	203.9
	76 cis-1,3-Dichloropropene	75	9.220	9.220	(1.164)	1694977	100.000	102.0
	83 Toluene	92	9.693	9.693	(0.877)	2164954	100.000	96.68
	78 trans-1,3-Dichloropropene	75	9.693	9.693	(0.877)	1540430	100.000	105.0
	85 Ethyl methacrylate	69	9.880	9.880	(0.894)	1379805	100.000	96.75
	80 1,1,2-Trichloroethane	83	9.850	9.850	(0.891)	831005	100.000	91.84
	89 Tetrachloroethene	166	10.432	10.432	(0.944)	904757	100.000	97.74
	87 Dibromochloromethane	129	10.323	10.323	(0.934)	1069281	100.000	100.7
	88 1,2-Dibromoethane	107	10.540	10.540	(0.954)	1066687	100.000	95.56
	74 Methyl cyclohexane	83	8.796	8.796	(1.111)	1305990	100.000	98.19
*	92 Chlorobenzene-d5	82	11.052	11.052	(1.000)	600438	30.0000	
	93 Chlorobenzene	112	11.091	11.091	(1.004)	2473553	100.000	96.68
	90 1,1,1,2-Tetrachloroethane	131	11.131	11.131	(1.007)	951398	100.000	99.74
	91 1-Chlorohexane	91	11.052	11.052	(1.000)	2520413	100.000	93.44
	94 Ethylbenzene	91	11.239	11.239	(1.017)	3878595	100.000	95.27
	95 m,p-Xylene	91	11.348	11.348	(1.027)	6012086	200.000	192.8
M	107 Xylene(total)	91				9146348	300.000	287.6
	99 o-Xylene	91	11.742	11.742	(1.062)	3134262	100.000	94.76
	97 Styrene	104	11.712	11.712	(1.060)	2591257	100.000	98.52
	96 Bromoform	173	11.820	11.820	(1.070)	756451	100.000	104.8
	103 Isopropylbenzene	105	12.136	12.136	(1.098)	3015665	100.000	96.61

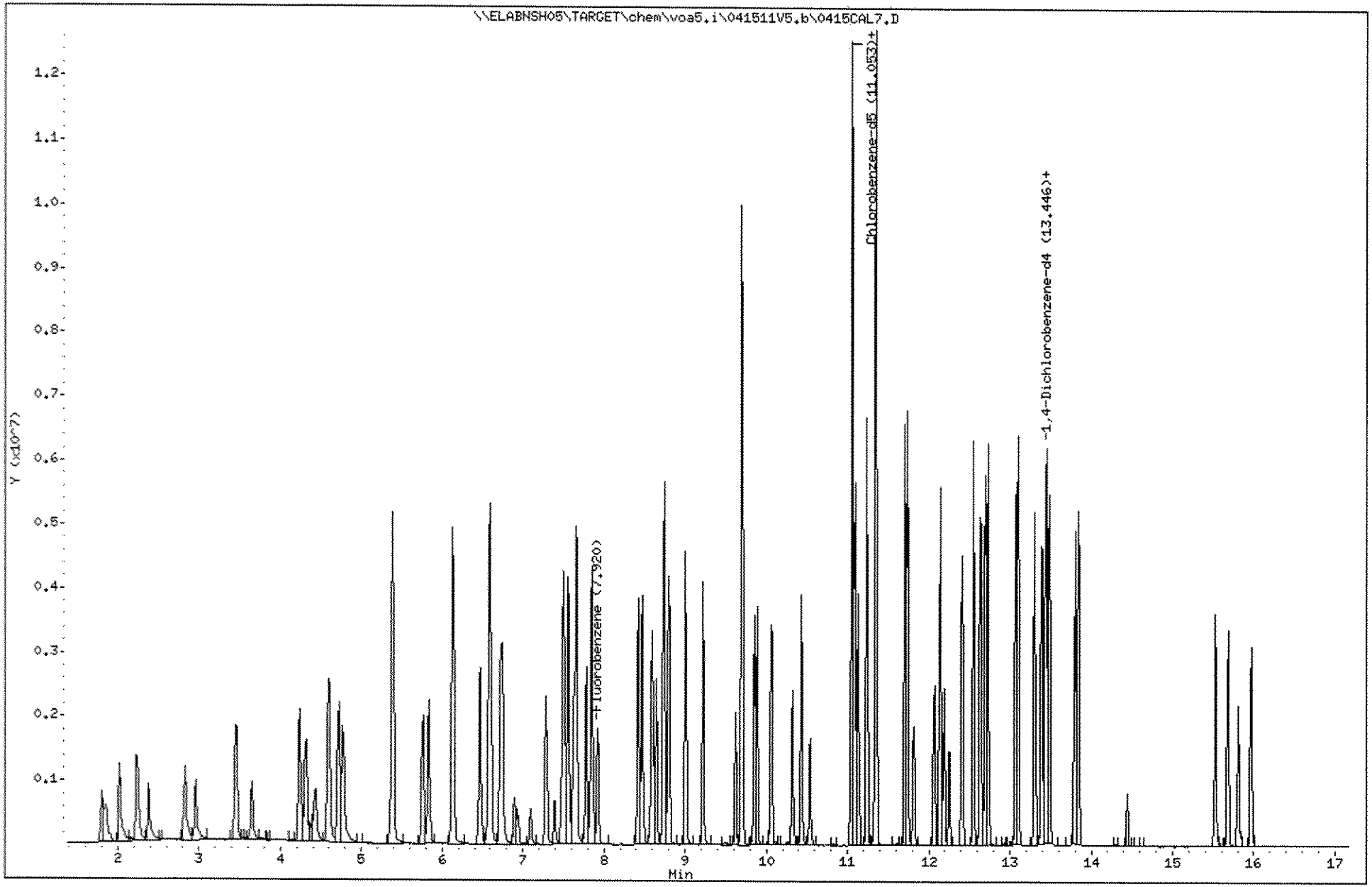
Data File: \\ELABNSH05\TARGET\chem\voa5.i\041511V5.b\0415CAL7.D
Report Date: 18-Apr-2011 12:33

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
98	1,1,2,2-Tetrachloroethane	83	12.067	12.067	(0.897)	1241560	100.000	100.2
84	1,3-Dichloropropane	76	10.057	10.057	(0.910)	1586728	100.000	97.70
100	1,2,3-Trichloropropane	110	12.185	12.185	(1.102)	284840	100.000	88.70
108	n-Propylbenzene	91	12.549	12.549	(0.933)	4191981	100.000	96.92
113	1,3,5-Trimethylbenzene	105	12.727	12.727	(0.946)	2756543	100.000	97.06
111	1,2,4-Trimethylbenzene	105	13.101	13.101	(0.974)	2842960	100.000	98.46
114	sec-Butylbenzene	105	13.298	13.298	(0.988)	3309894	100.000	97.22
112	tert-Butylbenzene	119	13.071	13.071	(0.971)	2789114	100.000	99.56
115	1,3-Dichlorobenzene	146	13.396	13.396	(0.996)	1789839	100.000	96.17
* 117	1,4-Dichlorobenzene-d4	152	13.456	13.456	(1.000)	522137	30.0000	
118	1,4-Dichlorobenzene	146	13.485	13.485	(1.002)	1843318	100.000	94.07
121	n-Butylbenzene	91	13.840	13.840	(1.029)	2566956	100.000	98.02
120	1,2-Dichlorobenzene	146	13.800	13.800	(1.026)	1705378	100.000	100.6
122	1,2-Dibromo-3-chloropropane	157	14.450	14.450	(1.074)	216815	100.000	110.7
105	Bromobenzene	156	12.411	12.411	(0.922)	1083929	100.000	99.98
109	2-Chlorotoluene	91	12.628	12.628	(0.939)	2658791	100.000	99.50
110	4-Chlorotoluene	91	12.697	12.697	(0.944)	2995259	100.000	99.20
123	1,2,4-Trichlorobenzene	180	15.524	15.524	(1.154)	964097	100.000	92.66
124	Naphthalene	128	15.682	15.682	(1.165)	2346130	100.000	101.6
119	p-Isopropyltoluene	119	13.436	13.436	(0.999)	2850273	100.000	97.65
125	Hexachlorobutadiene	225	15.810	15.810	(1.175)	380011	100.000	93.44
126	1,2,3-Trichlorobenzene	180	15.967	15.967	(1.187)	856838	100.000	96.49

Data File: \\ELABNSH05\TARGET\chem\voa5.i\041511V5.b\0415CAL7.D
Date : 15-APR-2011 12:22
Client ID: SEQ-CAL7
Sample Info: SEQ-CAL7;;;;;
Purge Volume: 5.0
Column phase: RTX-VRX

Instrument: voa5.i

Operator: ADM
Column diameter: 0.25



CTOJM29_002

Data File: \\ELABNSH05\TARGET\chem\voa5.i\041511V5.b\0415CAL8.D
Report Date: 18-Apr-2011 12:33

Laboratory Name

Data file : \\ELABNSH05\TARGET\chem\voa5.i\041511V5.b\0415CAL8.D
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Inj Date : 15-APR-2011 12:47 MS Autotune Date: 28-JUL-1998 05:19
Operator : ADM Inst ID: voa5.i
Smp Info : SEQ-CAL8;;;;;
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Meth Date : 18-Apr-2011 12:33 amonteiro Quant Type: ISTD
Cal Date : 15-APR-2011 14:26 Cal File: 0415CALA.D
Als bottle: 8 Calibration Sample, Level: 8
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: gmall-ks.sub
Target Version: 4.04
Processing Host: TARGET02_VM

Concentration Formula: Amt * DF * 5*Uf/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	unit correction factor
Vo	5.000	Volume of sample purged (mL)

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
* 62 Fluorobenzene	96	7.915	7.915	(1.000)	1348531	30.0000	
1 Dichlorodifluoromethane	85	2.015	2.015	(0.255)	2086923	150.000	151.3
2 Chloromethane	50	2.232	2.232	(0.282)	3199525	150.000	150.0
4 Vinyl chloride	62	2.370	2.370	(0.299)	1393003	150.000	144.2
7 Bromomethane	94	2.823	2.823	(0.357)	1698804	150.000	151.8
8 Chloroethane	64	2.951	2.951	(0.373)	1630380	150.000	143.7
11 Trichlorofluoromethane	101	3.443	3.443	(0.435)	2662745	150.000	146.6
15 t-Butyl alcohol	59	4.379	4.379	(0.553)	751801	750.000	765.5
16 tert-Amyl alcohol	59	7.088	7.088	(0.895)	590804	750.000	750.3
26 Trichlorotrifluoroethane	101	4.310	4.310	(0.545)	1390386	150.000	149.2
10 Acrolein	56	3.640	3.640	(0.460)	1497945	750.000	741.9
22 1,1-Dichloroethene	96	4.231	4.231	(0.535)	1348677	150.000	136.9(Q)
23 Iodomethane	142	4.428	4.428	(0.559)	2077555	150.000	153.7
29 Carbon disulfide	76	4.763	4.763	(0.602)	4660092	150.000	153.0
25 Methylene chloride	84	4.714	4.714	(0.596)	1722381	150.000	149.6
24 Acrylonitrile	53	4.596	4.596	(0.581)	3261587	750.000	761.7(Q)

Data File: \\ELABNSH05\TARGET\chem\voa5.i\041511V5.b\0415CAL8.D
Report Date: 18-Apr-2011 12:33

			QUANT SIG					AMOUNTS	
		Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/L)	ON-COL (ug/L)
	32	trans-1,2-Dichloroethene	96	5.384	5.384	(0.680)	1621407	150.000	148.0
	33	MTBE	73	5.384	5.384	(0.680)	4152907	150.000	164.9
	34	1,1-Dichloroethane	63	5.758	5.758	(0.727)	3179026	150.000	153.2
	37	Vinyl acetate	43	5.827	5.827	(0.736)	5165432	300.000	305.5
	45	Di-isopropyl ether	45	6.123	6.123	(0.774)	7652821	150.000	157.6
	46	cis-1,2-Dichloroethene	96	6.467	6.467	(0.817)	1770177	150.000	149.7(Q)
M	30	1,2-Dichloroethene(total)	96				3391584	300.000	297.7
	48	Bromochloromethane	128	6.743	6.743	(0.852)	905667	150.000	152.3
	53	Tetrahydrofuran	42	6.930	6.930	(0.876)	536027	150.000	150.8
	49	Chloroform	83	6.723	6.723	(0.849)	2840140	150.000	147.1
	27	Methyl acetate	43	4.576	4.576	(0.578)	1491319	150.000	148.6
	56	1,1,1-Trichloroethane	97	7.285	7.285	(0.920)	2168631	150.000	153.8
	58	ETBE	59	6.595	6.595	(0.833)	5714287	150.000	154.1
	59	Cyclohexane	56	7.551	7.551	(0.954)	2822362	150.000	151.7
	60	Carbon tetrachloride	117	7.620	7.620	(0.963)	1734027	150.000	160.9
	61	Benzene	78	7.659	7.659	(0.968)	5504498	150.000	150.0
	55	1,2-Dichloroethane	62	7.482	7.482	(0.945)	2398459	150.000	159.1
	50	2,2-Dichloropropane	77	6.576	6.576	(0.831)	2136249	150.000	153.5
	57	1,1-Dichloropropene	75	7.502	7.502	(0.948)	2180391	150.000	156.0(Q)
	63	tert-Amyl Methyl Ether	73	7.846	7.846	(0.991)	4632804	150.000	155.9
	73	tert-Amyl Ethyl Ether	59	8.733	8.733	(1.103)	4805734	150.000	158.7
	67	Trichloroethene	95	8.418	8.418	(1.063)	1639496	150.000	152.9
	66	1,2-Dichloropropane	63	8.467	8.467	(1.070)	1915653	150.000	149.2
	65	Dibromomethane	93	8.575	8.575	(1.083)	1129453	150.000	157.2
	70	Methyl methacrylate	41	7.551	7.551	(0.954)	1926353	150.000	151.6
	68	Bromodichloromethane	83	8.644	8.644	(1.092)	2206815	150.000	153.4
	71	2-Chloroethyl vinyl ether	63	8.999	8.999	(1.137)	2415102	300.000	313.7
	76	cis-1,3-Dichloropropene	75	9.216	9.216	(1.164)	2673886	150.000	158.5
	83	Toluene	92	9.698	9.698	(0.878)	3435517	150.000	146.9
	78	trans-1,3-Dichloropropene	75	9.688	9.688	(0.877)	2451366	150.000	159.9
	85	Ethyl methacrylate	69	9.876	9.876	(0.894)	2193541	150.000	147.3
	80	1,1,2-Trichloroethane	83	9.846	9.846	(0.891)	1311001	150.000	138.7
	89	Tetrachloroethene	166	10.427	10.427	(0.944)	1443285	150.000	149.3
	87	Dibromochloromethane	129	10.319	10.319	(0.934)	1675697	150.000	151.1
	88	1,2-Dibromoethane	107	10.535	10.535	(0.954)	1628606	150.000	139.7
	74	Methyl cyclohexane	83	8.792	8.792	(1.111)	2048721	150.000	151.7
*	92	Chlorobenzene-d5	82	11.048	11.048	(1.000)	627129	30.0000	
	93	Chlorobenzene	112	11.087	11.087	(1.004)	3812384	150.000	142.7
	90	1,1,1,2-Tetrachloroethane	131	11.127	11.127	(1.007)	1491637	150.000	149.7
	91	1-Chlorohexane	91	11.058	11.058	(1.001)	3929029	150.000	139.5(A)
	94	Ethylbenzene	91	11.235	11.235	(1.017)	6029402	150.000	141.8
	95	m,p-Xylene	91	11.353	11.353	(1.028)	9173173	300.000	281.7(A)
M	107	Xylene(total)	91				14043727	450.000	422.7
	99	o-Xylene	91	11.737	11.737	(1.062)	4870554	150.000	141.0
	97	Styrene	104	11.708	11.708	(1.060)	4101953	150.000	149.3
	96	Bromoform	173	11.816	11.816	(1.070)	1188644	150.000	157.7
	103	Isopropylbenzene	105	12.131	12.131	(1.098)	4618855	150.000	141.7

Data File: \\ELABNSH05\TARGET\chem\voa5.i\041511V5.b\0415CAL8.D
Report Date: 18-Apr-2011 12:33

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)	
98	1,1,2,2-Tetrachloroethane	83	12.062	12.062	(0.897)	1890536	150.000	146.0	
84	1,3-Dichloropropane	76	10.063	10.063	(0.911)	2424296	150.000	142.9	
100	1,2,3-Trichloropropane	110	12.190	12.190	(1.103)	472357	150.000	140.8	
108	n-Propylbenzene	91	12.545	12.545	(0.933)	6463738	150.000	143.0	
113	1,3,5-Trimethylbenzene	105	12.722	12.722	(0.946)	4298974	150.000	144.9	
111	1,2,4-Trimethylbenzene	105	13.097	13.097	(0.974)	4478933	150.000	148.5	
114	sec-Butylbenzene	105	13.303	13.303	(0.989)	5142421	150.000	144.6	
112	tert-Butylbenzene	119	13.067	13.067	(0.971)	4389496	150.000	150.0	
115	1,3-Dichlorobenzene	146	13.392	13.392	(0.996)	2724583	150.000	140.1	
* 117	1,4-Dichlorobenzene-d4	152	13.451	13.451	(1.000)	545556	30.0000		(Q)
118	1,4-Dichlorobenzene	146	13.481	13.481	(1.002)	2811977	150.000	137.3	
121	n-Butylbenzene	91	13.845	13.845	(1.029)	3906037	150.000	142.8	
120	1,2-Dichlorobenzene	146	13.806	13.806	(1.026)	2620658	150.000	148.0	
122	1,2-Dibromo-3-chloropropane	157	14.446	14.446	(1.074)	334710	150.000	163.5	
105	Bromobenzene	156	12.407	12.407	(0.922)	1660265	150.000	146.6	
109	2-Chlorotoluene	91	12.634	12.634	(0.939)	4130997	150.000	148.0	
110	4-Chlorotoluene	91	12.693	12.693	(0.944)	4761860	150.000	150.9	
123	1,2,4-Trichlorobenzene	180	15.530	15.530	(1.155)	1529578	150.000	140.7	
124	Naphthalene	128	15.677	15.677	(1.165)	3583040	150.000	148.5	
119	p-Isopropyltoluene	119	13.441	13.441	(0.999)	4433309	150.000	145.4	
125	Hexachlorobutadiene	225	15.805	15.805	(1.175)	586752	150.000	138.1	
126	1,2,3-Trichlorobenzene	180	15.963	15.963	(1.187)	1346371	150.000	145.1	

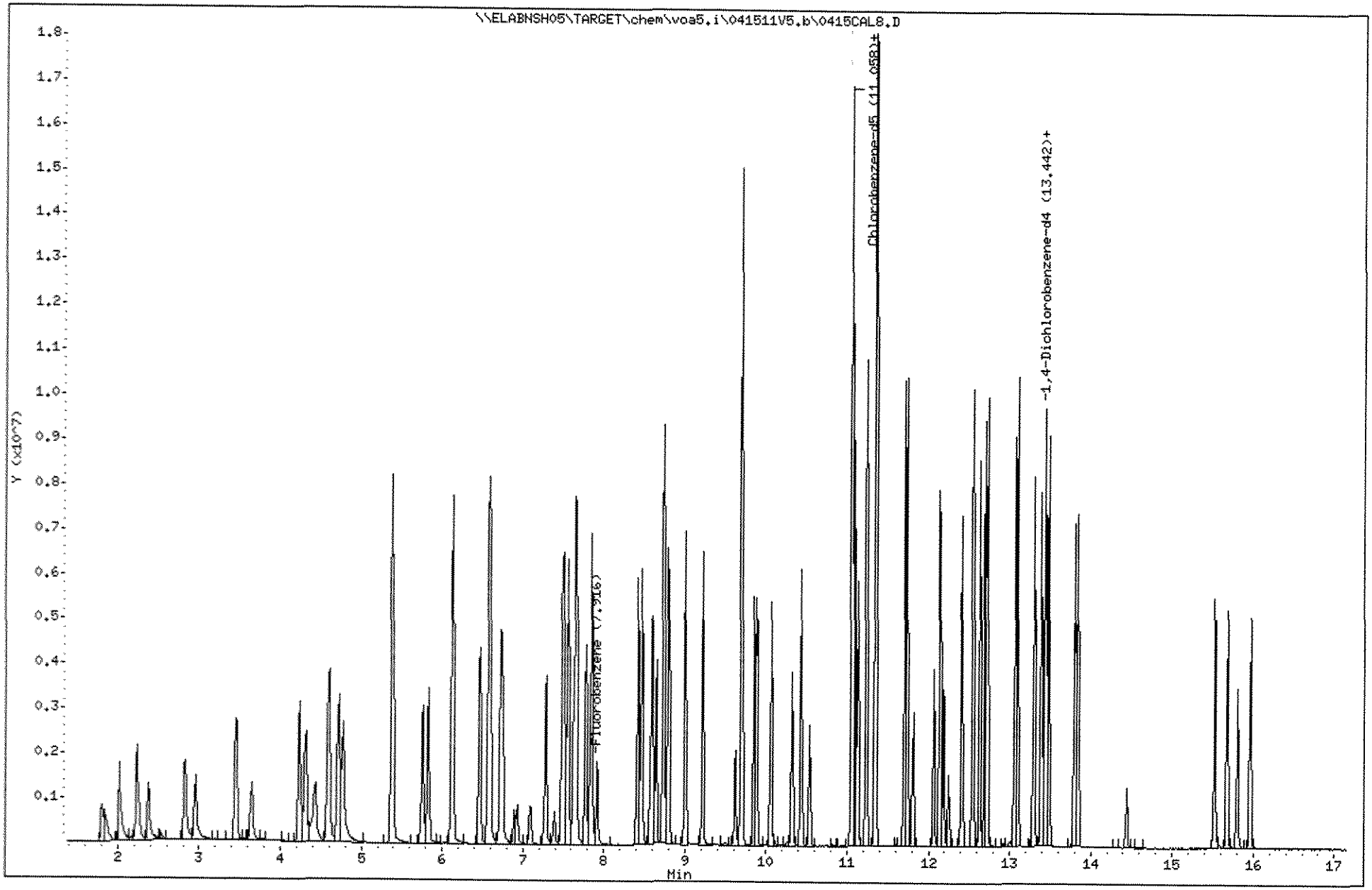
QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.
Q - Qualifier signal failed the ratio test.

Data File: \\ELABNSH05\TARGET\chem\voa5.i\041511V5.b\0415CAL8.D
Date : 15-APR-2011 12:47
Client ID: SEQ-CAL8
Sample Info: SEQ-CAL8;;;;;
Purge Volume: 5.0
Column phase: RTX-VRX

Instrument: voa5.i

Operator: ADM
Column diameter: 0.25



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CTOJM29_002

Data File: \\ELABNSH05\TARGET\chem\voa5.i\041511V5.b\0415CAL9.D
Report Date: 18-Apr-2011 12:33

Laboratory Name

Data file : \\ELABNSH05\TARGET\chem\voa5.i\041511V5.b\0415CAL9.D
Lab Smp Id: SEQ-CAL9 Client Smp ID: SEQ-CAL9
Inj Date : 15-APR-2011 13:12 MS Autotune Date: 28-JUL-1998 05:19
Operator : ADM Inst ID: voa5.i
Smp Info : SEQ-CAL9;;;;;
Misc Info : ;;;;;gmall-ks.sub;
Comment :
Method : \\ELABNSH05\TARGET\chem\voa5.i\041511V5.b\VW5SUR.m
Meth Date : 18-Apr-2011 12:33 amonteiro Quant Type: ISTD
Cal Date : 15-APR-2011 14:26 Cal File: 0415CALA.D
Als bottle: 9 Calibration Sample, Level: 9
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: gmall-ks.sub
Target Version: 4.04
Processing Host: TARGET02_VM

Concentration Formula: Amt * DF * 5*Uf/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	unit correction factor
Vo	5.000	Volume of sample purged (mL)

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
* 62 Fluorobenzene	96	7.917	7.917	(1.000)	1351481	30.0000	
1 Dichlorodifluoromethane	85	2.017	2.017	(0.255)	2735727	200.000	197.9
2 Chloromethane	50	2.224	2.224	(0.281)	4223671	200.000	197.6
4 Vinyl chloride	62	2.371	2.371	(0.300)	1775905	200.000	203.3(AH)
7 Bromomethane	94	2.815	2.815	(0.356)	2262206	200.000	201.1(A)
8 Chloroethane	64	2.953	2.953	(0.373)	2188046	200.000	192.4
11 Trichlorofluoromethane	101	3.445	3.445	(0.435)	3526493	200.000	193.8
15 t-Butyl alcohol	59	4.381	4.381	(0.553)	1005140	1000.00	1021(A)
16 tert-Amyl alcohol	59	7.090	7.090	(0.895)	807502	1000.00	1023(A)
26 Trichlorotrifluoroethane	101	4.302	4.302	(0.543)	1916800	200.000	205.3(A)
10 Acrolein	56	3.642	3.642	(0.460)	2003229	1000.00	991.3
22 1,1-Dichloroethene	96	4.233	4.233	(0.535)	1895436	200.000	192.0(Q)
23 Iodomethane	142	4.430	4.430	(0.560)	2710532	200.000	199.3
29 Carbon disulfide	76	4.765	4.765	(0.602)	6180323	200.000	202.5(A)
25 Methylene chloride	84	4.706	4.706	(0.594)	2282584	200.000	197.8
24 Acrylonitrile	53	4.598	4.598	(0.581)	4478673	1000.00	1044(AQ)

Data File: \\ELABNSH05\TARGET\chem\voa5.i\041511V5.b\0415CAL9.D
Report Date: 18-Apr-2011 12:33

			QUANT SIG					AMOUNTS	
		Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/L)	ON-COL (ug/L)
	32	trans-1,2-Dichloroethene	96	5.376	5.376	(0.679)	2170029	200.000	197.7
	33	MTBE	73	5.376	5.376	(0.679)	5531328	200.000	219.2(A)
	34	1,1-Dichloroethane	63	5.750	5.750	(0.726)	4235697	200.000	203.7(A)
	37	Vinyl acetate	43	5.829	5.829	(0.736)	6821575	400.000	402.6(A)
	45	Di-isopropyl ether	45	6.124	6.124	(0.774)	9980942	200.000	205.0(A)
	46	cis-1,2-Dichloroethene	96	6.459	6.459	(0.816)	2354162	200.000	198.6(Q)
M	30	1,2-Dichloroethene(total)	96				4524191	400.000	396.3
	48	Bromochloromethane	128	6.745	6.745	(0.852)	1180230	200.000	198.0
	53	Tetrahydrofuran	42	6.932	6.932	(0.876)	717195	200.000	201.2(A)
	49	Chloroform	83	6.715	6.715	(0.848)	3761894	200.000	194.4
	27	Methyl acetate	43	4.578	4.578	(0.578)	2032670	200.000	201.9(A)
	56	1,1,1-Trichloroethane	97	7.277	7.277	(0.919)	2951842	200.000	208.9(A)
	58	ETBE	59	6.587	6.587	(0.832)	7602478	200.000	204.6
	59	Cyclohexane	56	7.553	7.553	(0.954)	3788700	200.000	203.2(A)
	60	Carbon tetrachloride	117	7.622	7.622	(0.963)	2372850	200.000	219.6(A)
	61	Benzene	78	7.651	7.651	(0.966)	7197122	200.000	195.6
	55	1,2-Dichloroethane	62	7.484	7.484	(0.945)	3176483	200.000	210.3(A)
	50	2,2-Dichloropropane	77	6.568	6.568	(0.830)	2830972	200.000	203.0(A)
	57	1,1-Dichloropropene	75	7.503	7.503	(0.948)	2903361	200.000	207.3(AQ)
	63	tert-Amyl Methyl Ether	73	7.848	7.848	(0.991)	6136057	200.000	206.0(A)
	73	tert-Amyl Ethyl Ether	59	8.735	8.735	(1.103)	6387329	200.000	210.4(A)
	67	Trichloroethene	95	8.419	8.419	(1.063)	2219377	200.000	206.6(A)
	66	1,2-Dichloropropane	63	8.459	8.459	(1.068)	2541925	200.000	197.6
	65	Dibromomethane	93	8.577	8.577	(1.083)	1489411	200.000	206.8(A)
	70	Methyl methacrylate	41	7.553	7.553	(0.954)	2590950	200.000	203.4(A)
	68	Bromodichloromethane	83	8.636	8.636	(1.091)	2932822	200.000	203.4(A)
	71	2-Chloroethyl vinyl ether	63	9.001	9.001	(1.137)	3227536	400.000	418.3(A)
	76	cis-1,3-Dichloropropene	75	9.217	9.217	(1.164)	3560504	200.000	210.5(A)
	83	Toluene	92	9.690	9.690	(0.877)	4654694	200.000	193.4
	78	trans-1,3-Dichloropropene	75	9.690	9.690	(0.877)	3288805	200.000	208.6(A)
	85	Ethyl methacrylate	69	9.877	9.877	(0.894)	2909310	200.000	189.9
	80	1,1,2-Trichloroethane	83	9.848	9.848	(0.891)	1715862	200.000	176.5
	89	Tetrachloroethene	166	10.429	10.429	(0.944)	1930265	200.000	194.1
	87	Dibromochloromethane	129	10.321	10.321	(0.934)	2237736	200.000	196.2
	88	1,2-Dibromoethane	107	10.527	10.527	(0.953)	2154683	200.000	179.6
	74	Methyl cyclohexane	83	8.794	8.794	(1.111)	2750459	200.000	203.2(A)
*	92	Chlorobenzene-d5	82	11.049	11.049	(1.000)	645155	30.0000	
	93	Chlorobenzene	112	11.089	11.089	(1.004)	5024926	200.000	182.8
	90	1,1,1,2-Tetrachloroethane	131	11.128	11.128	(1.007)	2013925	200.000	196.5
	91	1-Chlorohexane	91	11.049	11.049	(1.000)	5216611	200.000	180.0(A)
	94	Ethylbenzene	91	11.237	11.237	(1.017)	7862717	200.000	179.8
	95	m,p-Xylene	91	11.345	11.345	(1.027)	11331994	400.000	338.3(A)
M	107	Xylene(total)	91				17821024	600.000	520.9
	99	o-Xylene	91	11.739	11.739	(1.062)	6489030	200.000	182.6
	97	Styrene	104	11.709	11.709	(1.060)	5466471	200.000	193.4
	96	Bromoform	173	11.818	11.818	(1.070)	1593957	200.000	205.6(A)
	103	Isopropylbenzene	105	12.133	12.133	(1.098)	6119513	200.000	182.5

Data File: \\ELABNSH05\TARGET\chem\voa5.i\041511V5.b\0415CAL9.D
Report Date: 18-Apr-2011 12:33

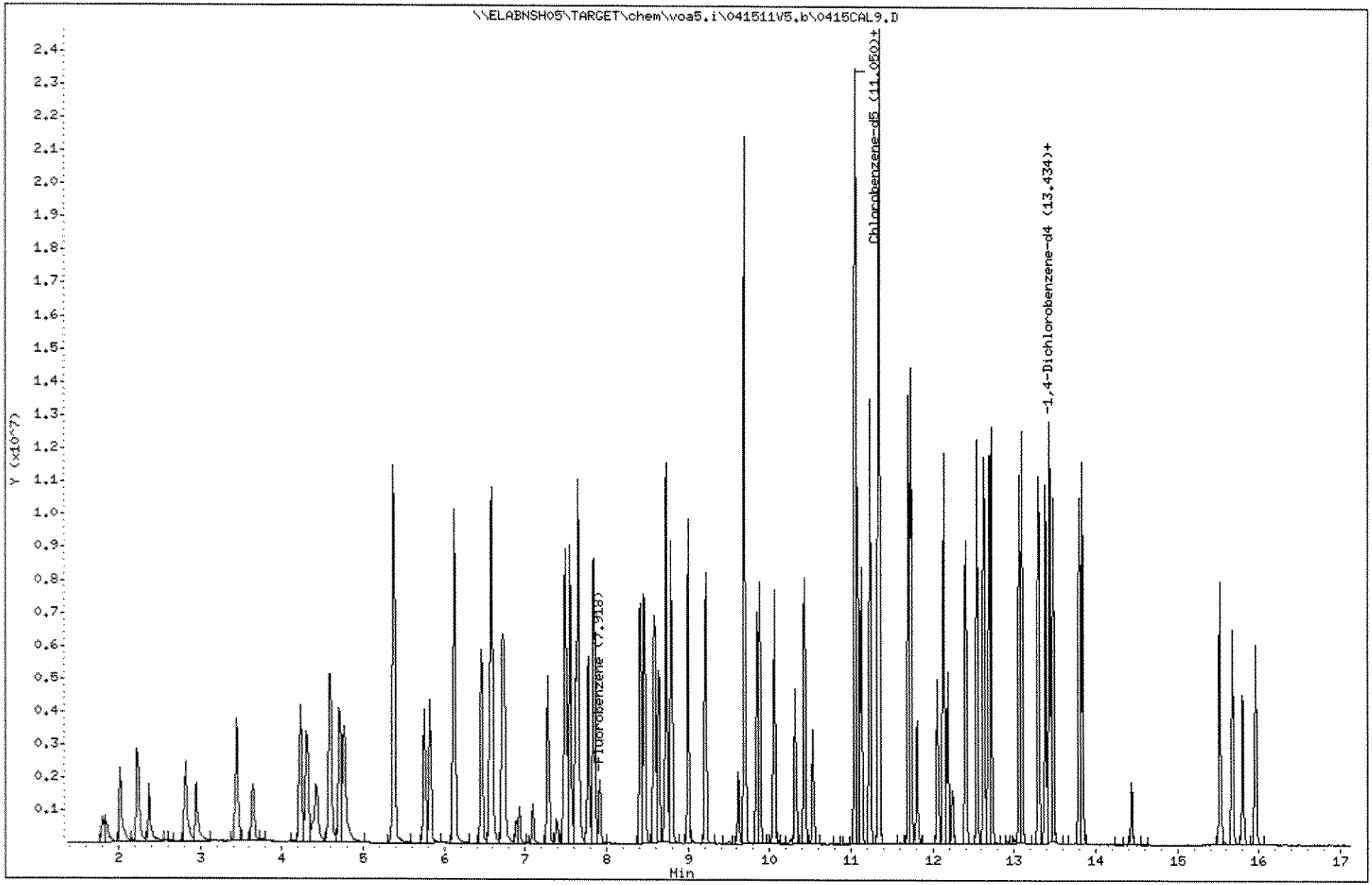
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
98	1,1,2,2-Tetrachloroethane	83	12.054	12.054	(0.896)	2534527	200.000	194.8
84	1,3-Dichloropropane	76	10.055	10.055	(0.910)	3222840	200.000	184.7
100	1,2,3-Trichloropropane	110	12.182	12.182	(1.103)	620982	200.000	180.0
108	n-Propylbenzene	91	12.547	12.547	(0.933)	8357838	200.000	184.0
113	1,3,5-Trimethylbenzene	105	12.724	12.724	(0.946)	5720588	200.000	191.8
111	1,2,4-Trimethylbenzene	105	13.098	13.098	(0.974)	5795571	200.000	191.1
114	sec-Butylbenzene	105	13.295	13.295	(0.988)	6764724	200.000	189.2
112	tert-Butylbenzene	119	13.059	13.059	(0.971)	5672855	200.000	192.8
115	1,3-Dichlorobenzene	146	13.384	13.384	(0.995)	3665750	200.000	187.6
* 117	1,4-Dichlorobenzene-d4	152	13.453	13.453	(1.000)	548293	30.0000	(Q)
118	1,4-Dichlorobenzene	146	13.482	13.482	(1.002)	3690144	200.000	179.3
121	n-Butylbenzene	91	13.837	13.837	(1.029)	5281351	200.000	192.0
120	1,2-Dichlorobenzene	146	13.798	13.798	(1.026)	3476298	200.000	195.3
122	1,2-Dibromo-3-chloropropane	157	14.438	14.438	(1.073)	450882	200.000	219.2(A)
105	Bromobenzene	156	12.409	12.409	(0.922)	2241921	200.000	196.9
109	2-Chlorotoluene	91	12.625	12.625	(0.938)	5496181	200.000	195.9
110	4-Chlorotoluene	91	12.694	12.694	(0.944)	6343247	200.000	200.1(A)
123	1,2,4-Trichlorobenzene	180	15.521	15.521	(1.154)	1995314	200.000	182.6
124	Naphthalene	128	15.679	15.679	(1.165)	4733008	200.000	195.1
119	p-Isopropyltoluene	119	13.433	13.433	(0.999)	5903755	200.000	192.6
125	Hexachlorobutadiene	225	15.807	15.807	(1.175)	791822	200.000	185.4
126	1,2,3-Trichlorobenzene	180	15.965	15.965	(1.187)	1765715	200.000	189.4

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.
Q - Qualifier signal failed the ratio test.
H - Operator selected an alternate compound hit.

Data File: \\ELABNSH05\TARGET\chem\voa5.i\041511V5.b\0415CAL9.D
Date : 15-APR-2011 13:12
Client ID: SEQ-CAL9
Sample Info: SEQ-CAL9;;;;;
Purge Volume: 5.0
Column phase: RTX-VRX

Instrument: voa5.i
Operator: ADM
Column diameter: 0.25



Data File: \\ELABNSH05\TARGET\chem\voa5.i\041511V5.b\0415ICV2.D
Report Date: 18-Apr-2011 12:33

Laboratory Name

Data file : \\ELABNSH05\TARGET\chem\voa5.i\041511V5.b\0415ICV2.D
Lab Smp Id: SEQ-ICV2 Client Smp ID: SEQ-ICV2
Inj Date : 15-APR-2011 14:01 MS Autotune Date: 28-JUL-1998 05:19
Operator : ADM Inst ID: voa5.i
Smp Info : SEQ-ICV2;;;;;
Misc Info : ;3;ICV;;;gmall-ks.sub;
Comment :
Method : \\ELABNSH05\TARGET\chem\voa5.i\041511V5.b\VW5SUR.m
Meth Date : 18-Apr-2011 12:33 amonteiro Quant Type: ISTD
Cal Date : 15-APR-2011 14:26 Cal File: 0415CALA.D
Als bottle: 11 QC Sample: ICV
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: gmall-k.sub
Target Version: 4.04
Processing Host: TARGET02_VM

Concentration Formula: Amt * DF * 5*Uf/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	unit correction factor
Vo	5.000	Volume of sample purged (mL)

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
* 62 Fluorobenzene	96	7.915	7.917	(1.000)	1321805	30.0000	
1 Dichlorodifluoromethane	85	2.015	2.017	(0.255)	1604070	118.590	118.6
2 Chloromethane	50	2.231	2.224	(0.282)	2287211	109.383	109.4
4 Vinyl chloride	62	2.369	2.371	(0.299)	1063312	102.351	102.4
7 Bromomethane	94	2.822	2.815	(0.357)	1053801	96.7571	96.76
8 Chloroethane	64	2.950	2.953	(0.373)	1042875	93.7879	93.79
11 Trichlorofluoromethane	101	3.453	3.445	(0.436)	1822587	102.390	102.4
15 t-Butyl alcohol	59	4.379	4.381	(0.553)	502106	521.613	521.6
16 tert-Amyl alcohol	59	7.087	7.090	(0.895)	403563	522.866	522.9
26 Trichlorotrifluoroethane	101	4.310	4.302	(0.545)	935043	102.379	102.4
10 Acrolein	56	3.640	3.642	(0.460)	1082971	546.254	546.2
22 1,1-Dichloroethene	96	4.231	4.233	(0.535)	962986	99.7423	99.74(Q)
23 Iodomethane	142	4.428	4.430	(0.559)	1381375	105.096	105.1
29 Carbon disulfide	76	4.763	4.765	(0.602)	3172707	106.304	106.3
25 Methylene chloride	84	4.713	4.706	(0.596)	1140823	101.106	101.1
24 Acrylonitrile	53	4.595	4.598	(0.581)	2220770	529.137	529.1(Q)

Data File: \\ELABNSH05\TARGET\chem\voa5.i\041511V5.b\0415ICV2.D
Report Date: 18-Apr-2011 12:33

			QUANT SIG					CONCENTRATIONS	
		Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ug/L)	FINAL (ug/L)
	32	trans-1,2-Dichloroethene	96	5.383	5.376	(0.680)	1063009	99.0185	99.02
	33	MTBE	73	5.373	5.376	(0.679)	2647739	107.290	107.3
	34	1,1-Dichloroethane	63	5.758	5.750	(0.727)	2088627	102.720	102.7
	37	Vinyl acetate	43	5.827	5.829	(0.736)	3446118	207.968	208.0
	45	Di-isopropyl ether	45	6.122	6.124	(0.774)	4786646	100.536	100.5
	46	cis-1,2-Dichloroethene	96	6.467	6.459	(0.817)	1141950	98.5014	98.50(Q)
M	30	1,2-Dichloroethene(total)	96				2204959	197.520	197.5
	48	Bromochloromethane	128	6.743	6.745	(0.852)	610760	104.792	104.8
	53	Tetrahydrofuran	42	6.930	6.932	(0.876)	351086	100.946	100.9
	49	Chloroform	83	6.713	6.715	(0.848)	1872942	98.9788	98.98
	27	Methyl acetate	43	4.576	4.578	(0.578)	980590	99.8707	99.87
$	51	Dibromofluoromethane	111	6.890	6.895	(0.871)	401660	31.0903	31.09
	56	1,1,1-Trichloroethane	97	7.284	7.277	(0.920)	1402599	101.475	101.5
	58	ETBE	59	6.585	6.587	(0.832)	3685768	101.418	101.4
	59	Cyclohexane	56	7.550	7.553	(0.954)	1796495	98.5204	98.52
	60	Carbon tetrachloride	117	7.619	7.622	(0.963)	1132522	107.191	107.2
$	54	1,2-Dichloroethane-d4	102	7.393	7.388	(0.934)	82198	31.3697	31.37
	61	Benzene	78	7.659	7.651	(0.968)	3632545	100.965	101.0
	55	1,2-Dichloroethane	62	7.481	7.484	(0.945)	1548552	104.809	104.8
	50	2,2-Dichloropropane	77	6.575	6.568	(0.831)	1309860	96.0486	96.05
	57	1,1-Dichloropropene	75	7.501	7.503	(0.948)	1416299	103.412	103.4(Q)
	63	tert-Amyl Methyl Ether	73	7.846	7.848	(0.991)	2820467	96.8214	96.82
	73	tert-Amyl Ethyl Ether	59	8.732	8.735	(1.103)	2977618	100.303	100.3
	67	Trichloroethene	95	8.417	8.419	(1.063)	1100960	104.783	104.8
	66	1,2-Dichloropropane	63	8.466	8.459	(1.070)	1259445	100.099	100.1
	65	Dibromomethane	93	8.575	8.577	(1.083)	759822	107.874	107.9
	70	Methyl methacrylate	41	7.550	7.553	(0.954)	1224422	98.3019	98.30
	68	Bromodichloromethane	83	8.644	8.636	(1.092)	1510178	107.106	107.1
	71	2-Chloroethyl vinyl ether	63	8.998	9.001	(1.137)	1748545	231.685	231.7
	76	cis-1,3-Dichloropropene	75	9.215	9.217	(1.164)	1658461	100.271	100.3
$	81	Toluene-d8	98	9.619	9.614	(0.871)	1187075	29.5115	29.51
	83	Toluene	92	9.698	9.690	(0.878)	2197709	100.400	100.4
	78	trans-1,3-Dichloropropene	75	9.688	9.690	(0.877)	1677502	116.952	117.0
	85	Ethyl methacrylate	69	9.875	9.877	(0.894)	1363277	97.7941	97.79
	80	1,1,2-Trichloroethane	83	9.845	9.848	(0.891)	828899	93.7150	93.72
	89	Tetrachloroethene	166	10.427	10.429	(0.944)	955971	105.652	105.6
	87	Dibromochloromethane	129	10.318	10.321	(0.934)	1107830	106.764	106.8
	88	1,2-Dibromoethane	107	10.535	10.527	(0.954)	1086284	99.5618	99.56
	74	Methyl cyclohexane	83	8.791	8.794	(1.111)	1294945	97.8373	97.84
*	92	Chlorobenzene-d5	82	11.047	11.049	(1.000)	586921	30.0000	
	93	Chlorobenzene	112	11.087	11.089	(1.004)	2544710	101.747	101.7
	90	1,1,1,2-Tetrachloroethane	131	11.126	11.128	(1.007)	982721	105.392	105.4
	91	1-Chlorohexane	91	11.057	11.049	(1.001)	2589347	98.2074	98.21
	94	Ethylbenzene	91	11.234	11.237	(1.017)	3978546	99.9788	99.98
	95	m,p-Xylene	91	11.343	11.345	(1.027)	6127237	201.050	201.0(A)
M	107	Xylene(total)	91				9291756	298.933	298.9
	99	o-Xylene	91	11.737	11.739	(1.062)	3164519	97.8834	97.88

Data File: \\ELABNSH05\TARGET\chem\voa5.i\041511V5.b\0415ICV2.D
Report Date: 18-Apr-2011 12:33

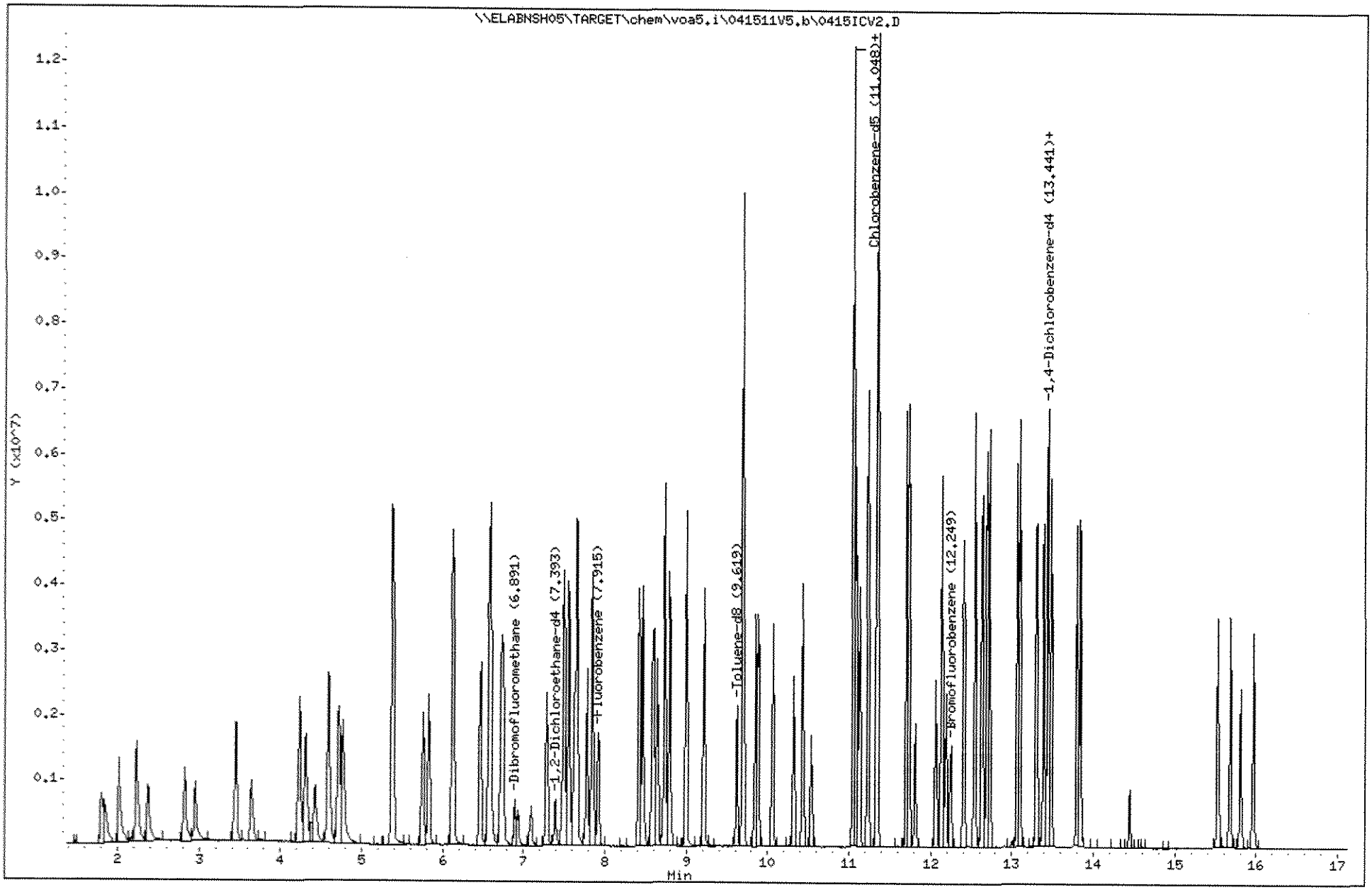
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)	
97	Styrene	104	11.707	11.709	(1.060)	2665705	103.683	103.7	
96	Bromoform	173	11.815	11.818	(1.070)	763117	108.179	108.2	
103	Isopropylbenzene	105	12.131	12.133	(1.098)	3237529	106.110	106.1	
$ 104	Bromofluorobenzene	95	12.249	12.244	(1.109)	484860	29.3957	29.40	
98	1,1,2,2-Tetrachloroethane	83	12.062	12.054	(0.897)	1227340	99.2521	99.25	
84	1,3-Dichloropropane	76	10.062	10.055	(0.911)	1563749	98.5020	98.50	
100	1,2,3-Trichloropropane	110	12.190	12.182	(1.103)	306975	97.7912	97.79	
108	n-Propylbenzene	91	12.544	12.547	(0.933)	4304666	99.7481	99.75	
113	1,3,5-Trimethylbenzene	105	12.722	12.724	(0.946)	2773366	97.8746	97.87	
111	1,2,4-Trimethylbenzene	105	13.096	13.098	(0.974)	2894010	100.454	100.4	
114	sec-Butylbenzene	105	13.303	13.295	(0.989)	3388025	99.7374	99.74	
112	tert-Butylbenzene	119	13.066	13.059	(0.971)	2835155	101.429	101.4	
115	1,3-Dichlorobenzene	146	13.392	13.384	(0.996)	1807672	97.3442	97.34	
* 117	1,4-Dichlorobenzene-d4	152	13.451	13.453	(1.000)	520980	30.0000		(Q)
118	1,4-Dichlorobenzene	146	13.480	13.482	(1.002)	1863166	95.2970	95.30	
121	n-Butylbenzene	91	13.835	13.837	(1.029)	2614740	100.070	100.1	
120	1,2-Dichlorobenzene	146	13.795	13.798	(1.026)	1737295	102.737	102.7	
122	1,2-Dibromo-3-chloropropane	157	14.446	14.438	(1.074)	214030	109.488	109.5	
105	Bromobenzene	156	12.407	12.409	(0.922)	1114907	103.069	103.1	
109	2-Chlorotoluene	91	12.633	12.625	(0.939)	2679081	100.483	100.5	
110	4-Chlorotoluene	91	12.692	12.694	(0.944)	3104673	103.052	103.0	
123	1,2,4-Trichlorobenzene	180	15.529	15.521	(1.155)	984360	94.8168	94.82	
124	Naphthalene	128	15.677	15.679	(1.166)	2317868	100.576	100.6	
119	p-Isopropyltoluene	119	13.441	13.433	(0.999)	3009658	103.340	103.3	
125	Hexachlorobutadiene	225	15.805	15.807	(1.175)	392702	96.7787	96.78	
126	1,2,3-Trichlorobenzene	180	15.962	15.965	(1.187)	887504	100.167	100.2	

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.
Q - Qualifier signal failed the ratio test.

Data File: \\ELABNSH05\TARGET\chem\voa5.i\041511V5.b\0415ICV2.D
Date : 15-APR-2011 14:01
Client ID: SEQ-ICV2
Sample Info: SEQ-ICV2;;;;;
Purge Volume: 5.0
Column phase: RTX-VRX

Instrument: voa5.i
Operator: ADM
Column diameter: 0.25



Data File: \\ELABNSH05\TARGET\chem\voa5.i\041511V5.b\0415CALA.D
Report Date: 18-Apr-2011 12:34

Laboratory Name

Data file : \\ELABNSH05\TARGET\chem\voa5.i\041511V5.b\0415CALA.D
Lab Smp Id: SEQ-CALA Client Smp ID: SEQ-CALA
Inj Date : 15-APR-2011 14:26 MS Autotune Date: 28-JUL-1998 05:19
Operator : ADM Inst ID: voa5.i
Smp Info : SEQ-CALA;;;;
Misc Info : ;;;;;ksur.sub;
Comment :
Method : \\ELABNSH05\TARGET\chem\voa5.i\041511V5.b\VW5SUR.m
Meth Date : 18-Apr-2011 12:34 amonteiro Quant Type: ISTD
Cal Date : 15-APR-2011 14:26 Cal File: 0415CALA.D
Als bottle: 12 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: ksur.sub
Target Version: 4.04
Processing Host: TARGET02_VM

Concentration Formula: Amt * DF * 5*Uf/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	unit correction factor
Vo	5.000	Volume of sample purged (mL)

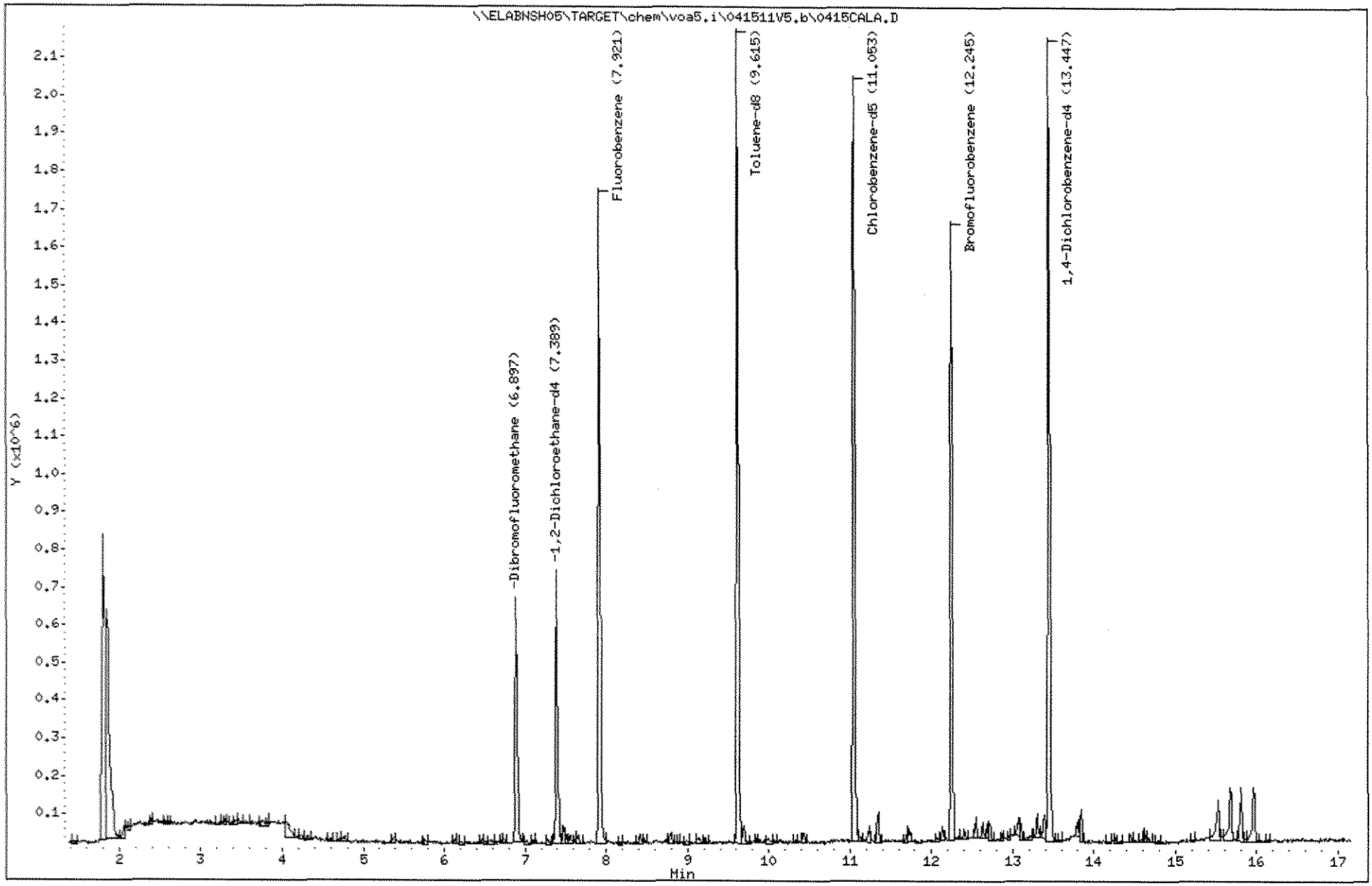
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
* 62 Fluorobenzene	96	7.921	7.921	(1.000)	1311136	30.0000	
43 2-Butanone	43	6.207	6.207	(0.784)	6188	1.00000	1.025(a)
$ 51 Dibromofluoromethane	111	6.896	6.896	(0.871)	400004	30.0000	31.21
$ 54 1,2-Dichloroethane-d4	102	7.389	7.389	(0.933)	79780	30.0000	30.69
77 4-Methyl-2-pentanone	43	9.142	9.142	(1.154)	11868	1.00000	0.9756(a)
$ 81 Toluene-d8	98	9.615	9.615	(0.870)	1180317	30.0000	31.74
86 2-Hexanone	43	9.989	9.989	(0.904)	9090	1.00000	1.044(a)
* 92 Chlorobenzene-d5	82	11.053	11.053	(1.000)	542529	30.0000	
$ 104 Bromofluorobenzene	95	12.245	12.245	(1.108)	471730	30.0000	30.94
* 117 1,4-Dichlorobenzene-d4	152	13.447	13.447	(1.000)	497582	30.0000	(Q)

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.

Data File: \\ELABNSH05\TARGET\chem\voa5.i\041511V5.b\0415CALA.D
Date : 15-APR-2011 14:26
Client ID: SEQ-CALA
Sample Info: SEQ-CALA;;;;
Purge Volume: 5.0
Column phase: RTX-VRX

Instrument: voa5.i
Operator: ADM
Column diameter: 0.25



Data File: \\ELABNSH05\TARGET\chem\voa5.i\041511V5.b\0415CALB.D
Report Date: 18-Apr-2011 12:34

Laboratory Name

Data file : \\ELABNSH05\TARGET\chem\voa5.i\041511V5.b\0415CALB.D
Lab Smp Id: SEQ-CALB Client Smp ID: SEQ-CALB
Inj Date : 15-APR-2011 14:51 MS Autotune Date: 28-JUL-1998 05:19
Operator : ADM Inst ID: voa5.i
Smp Info : SEQ-CALB;;;;
Misc Info : ;;;;;ksur.sub;
Comment :
Method : \\ELABNSH05\TARGET\chem\voa5.i\041511V5.b\VW5SUR.m
Meth Date : 18-Apr-2011 12:34 amonteiro Quant Type: ISTD
Cal Date : 15-APR-2011 14:26 Cal File: 0415CALA.D
Als bottle: 13 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: ksur.sub
Target Version: 4.04
Processing Host: TARGET02_VM

Concentration Formula: Amt * DF * 5*Uf/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	unit correction factor
Vo	5.000	Volume of sample purged (mL)

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
* 62 Fluorobenzene	96	7.921	7.921	(1.000)	1287540	30.0000	
14 Acetone	43	3.754	3.754	(0.474)	20561	2.00000	5.020(a)
43 2-Butanone	43	6.197	6.197	(0.782)	14061	2.00000	2.371(a)
$ 51 Dibromofluoromethane	111	6.897	6.897	(0.871)	401856	30.0000	31.93
$ 54 1,2-Dichloroethane-d4	102	7.389	7.389	(0.933)	79832	30.0000	31.28
77 4-Methyl-2-pentanone	43	9.142	9.142	(1.154)	24427	2.00000	2.045(a)
$ 81 Toluene-d8	98	9.615	9.615	(0.870)	1164422	30.0000	31.12
86 2-Hexanone	43	9.990	9.990	(0.904)	21099	2.00000	2.409(a)
* 92 Chlorobenzene-d5	82	11.053	11.053	(1.000)	545893	30.0000	
$ 104 Bromofluorobenzene	95	12.245	12.245	(1.108)	474490	30.0000	30.93
* 117 1,4-Dichlorobenzene-d4	152	13.447	13.447	(1.000)	472773	30.0000	(Q)

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

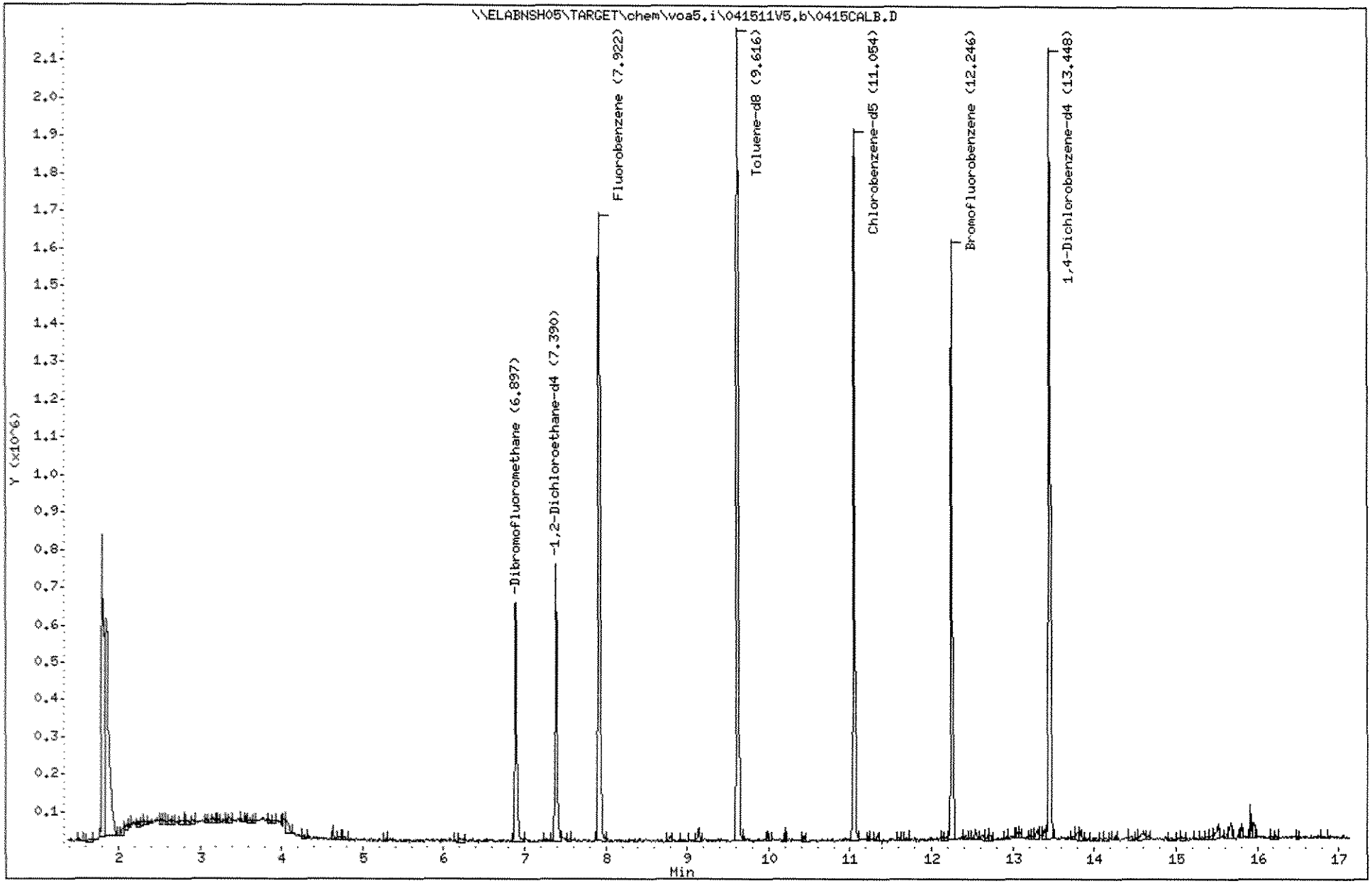
Data File: \\ELABNSH05\TARGET\chem\voa5.i\041511V5.b\0415CALB.D
Report Date: 18-Apr-2011 12:34

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Data File: \\ELABNSH05\TARGET\chem\voa5.i\041511V5.b\0415CALB.D
Date : 15-APR-2011 14:51
Client ID: SEQ-CALB
Sample Info: SEQ-CALB;;;;
Purge Volume: 5.0
Column phase: RTX-VRX

Instrument: voa5.i
Operator: ADM
Column diameter: 0.25



CTOJM29_002

Data File: \\ELABNSH05\TARGET\chem\voa5.i\041511V5.b\0415CALC.D
Report Date: 18-Apr-2011 12:34

Laboratory Name

Data file : \\ELABNSH05\TARGET\chem\voa5.i\041511V5.b\0415CALC.D
Lab Smp Id: SEQ-CALC Client Smp ID: SEQ-CALC
Inj Date : 15-APR-2011 15:16 MS Autotune Date: 28-JUL-1998 05:19
Operator : ADM Inst ID: voa5.i
Smp Info : SEQ-CALC;;;;
Misc Info : ;;;;;ksur.sub;
Comment :
Method : \\ELABNSH05\TARGET\chem\voa5.i\041511V5.b\VW5SUR.m
Meth Date : 18-Apr-2011 12:34 amonteiro Quant Type: ISTD
Cal Date : 15-APR-2011 14:26 Cal File: 0415CALA.D
Als bottle: 14 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: ksur.sub
Target Version: 4.04
Processing Host: TARGET02_VM

Concentration Formula: Amt * DF * 5*Uf/Vo

04/21/11 mm 4/21/11

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	unit correction factor
Vo	5.000	Volume of sample purged (mL)

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
* 62 Fluorobenzene	96	7.920	7.920	(1.000)	1337739	30.0000	
14 Acetone	43	3.763	3.763	(0.475)	18947	4.00000	4.452(a)
43 2-Butanone	43	6.206	6.206	(0.784)	26786	4.00000	4.347(a)
$ 51 Dibromofluoromethane	111	6.896	6.896	(0.871)	500852	40.0000	38.31
$ 54 1,2-Dichloroethane-d4	102	7.388	7.388	(0.933)	102799	40.0000	38.76
77 4-Methyl-2-pentanone	43	9.141	9.141	(1.154)	52321	4.00000	4.215(a)
$ 81 Toluene-d8	98	9.614	9.614	(0.870)	1448186	40.0000	38.77
86 2-Hexanone	43	9.989	9.989	(0.904)	35614	4.00000	4.074(a)
* 92 Chlorobenzene-d5	82	11.052	11.052	(1.000)	544968	30.0000	
$ 104 Bromofluorobenzene	95	12.244	12.244	(1.108)	585725	40.0000	38.24
* 117 1,4-Dichlorobenzene-d4	152	13.456	13.456	(1.000)	487063	30.0000	(Q)

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

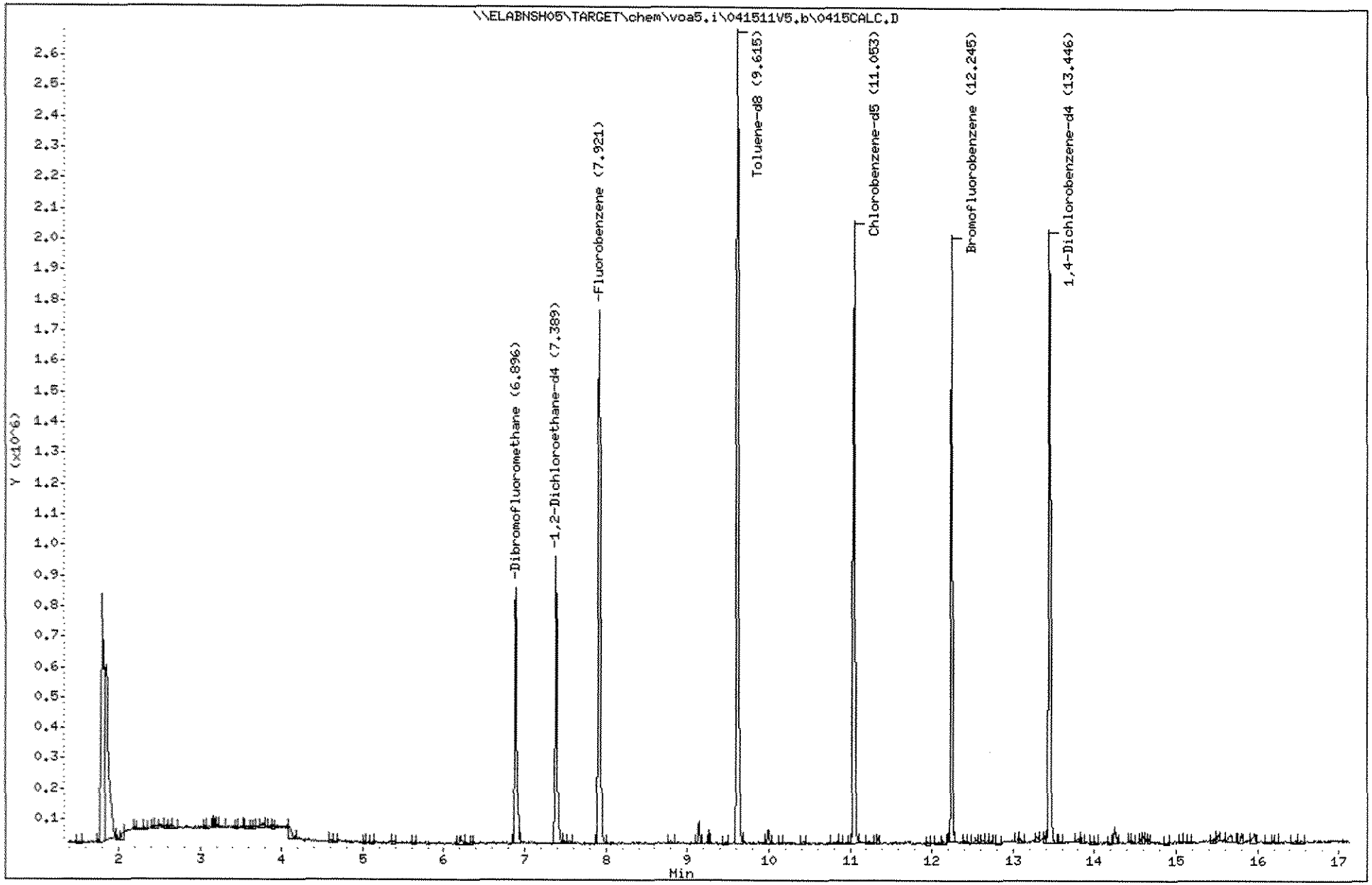
Data File: \\ELABNSH05\TARGET\chem\voa5.i\041511V5.b\0415CALC.D
Report Date: 18-Apr-2011 12:34

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Data File: \\ELABNSH05\TARGET\chem\voa5.i\041511V5.b\0415CALC.D
Date : 15-APR-2011 15:16
Client ID: SEQ-CALC
Sample Info: SEQ-CALC;;;;
Purge Volume: 5.0
Column phase: RTX-VRX

Instrument: voa5.i
Operator: ADM
Column diameter: 0.25



CTOJM29_002

Data File: \\ELABNSH05\TARGET\chem\voa5.i\041511V5.b\0415CALD.D
Report Date: 18-Apr-2011 12:34

Laboratory Name

Data file : \\ELABNSH05\TARGET\chem\voa5.i\041511V5.b\0415CALD.D
Lab Smp Id: SEQ-CALD Client Smp ID: SEQ-CALD
Inj Date : 15-APR-2011 15:41 MS Autotune Date: 28-JUL-1998 05:19
Operator : ADM Inst ID: voa5.i
Smp Info : SEQ-CALD;;;;
Misc Info : ;;;;;ksur.sub;
Comment :
Method : \\ELABNSH05\TARGET\chem\voa5.i\041511V5.b\VW5SUR.m
Meth Date : 18-Apr-2011 12:34 amonteiro Quant Type: ISTD
Cal Date : 15-APR-2011 14:26 Cal File: 0415CALA.D
Als bottle: 15 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: ksur.sub
Target Version: 4.04
Processing Host: TARGET02_VM

Concentration Formula: Amt * DF * 5*Uf/Vo

04/21/11 MM 11/8/11

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	unit correction factor
Vo	5.000	Volume of sample purged (mL)

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
*	62 Fluorobenzene	96	7.924	7.924	(1.000)	1283403	30.0000	
	14 Acetone	43	3.767	3.767	(0.475)	45266	10.0000	11.09
	43 2-Butanone	43	6.200	6.200	(0.782)	49379	10.0000	8.353(a)
$	51 Dibromofluoromethane	111	6.890	6.890	(0.869)	605684	50.0000	48.28
$	54 1,2-Dichloroethane-d4	102	7.392	7.392	(0.933)	132381	50.0000	52.03
	77 4-Methyl-2-pentanone	43	9.136	9.136	(1.153)	110881	10.0000	9.312
$	81 Toluene-d8	98	9.618	9.618	(0.871)	1731734	50.0000	48.00
	86 2-Hexanone	43	9.992	9.992	(0.905)	72859	10.0000	8.628
*	92 Chlorobenzene-d5	82	11.046	11.046	(1.000)	526445	30.0000	
$	104 Bromofluorobenzene	95	12.248	12.248	(1.109)	717657	50.0000	48.51
*	117 1,4-Dichlorobenzene-d4	152	13.450	13.450	(1.000)	499291	30.0000	(Q)

QC Flag Legend

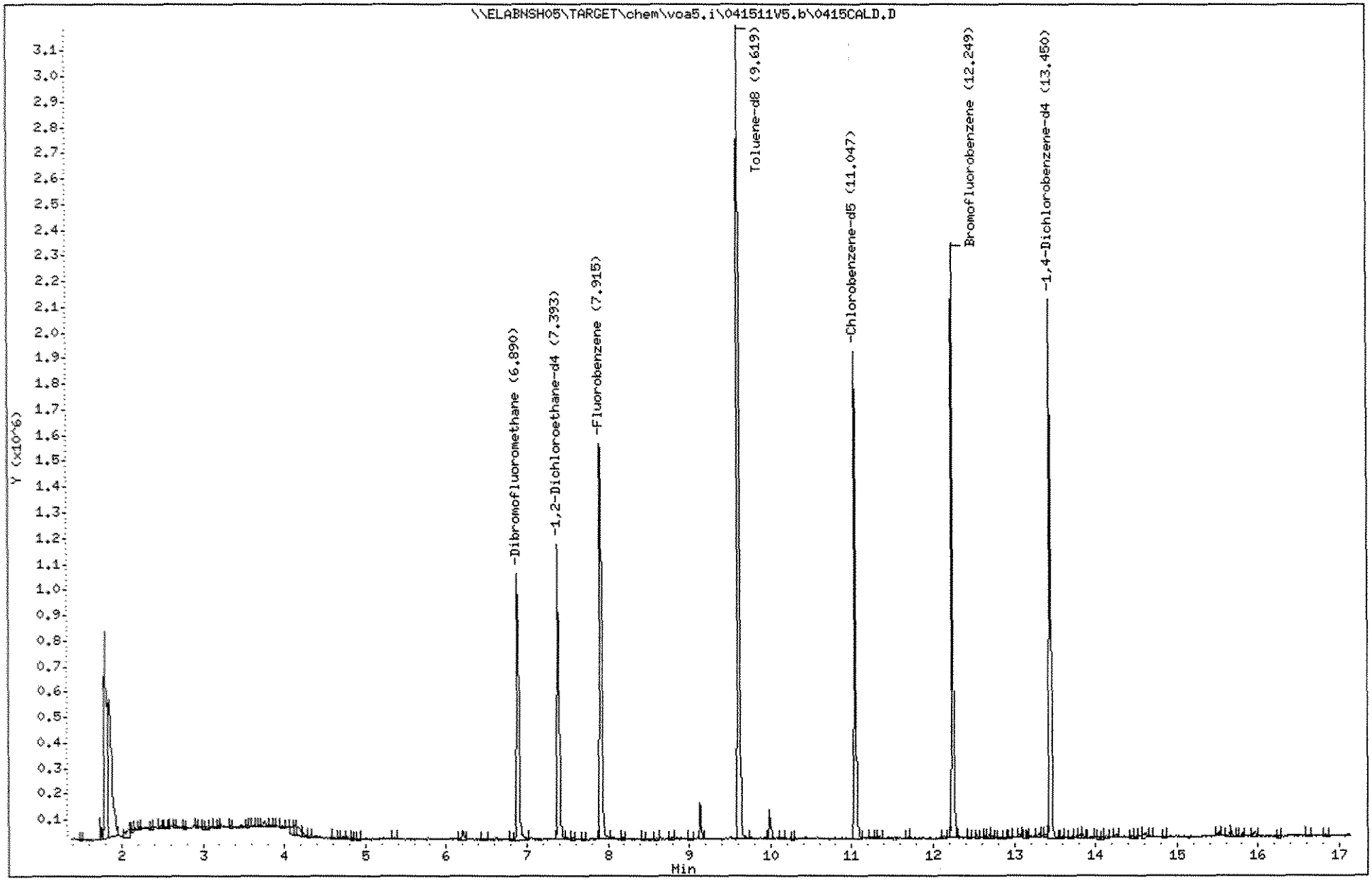
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: \\ELABNSH05\TARGET\chem\voa5.i\041511V5.b\0415CALD.D
Report Date: 18-Apr-2011 12:34

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Data File: \\ELABNSH05\TARGET\chem\voa5.i\041511V5.b\0415CALD.D
Date : 15-APR-2011 15:41
Client ID: SEQ-CALD
Instrument: voa5.i
Sample Info: SEQ-CALD;;;;
Purge Volume: 5.0
Operator: ADM
Column phase: RTX-VRX
Column diameter: 0.25



CTOJM29_002

Data File: \\ELABNSH05\TARGET\chem\voa5.i\041511V5.b\0415CALE.D
Report Date: 18-Apr-2011 12:35

Laboratory Name

Data file : \\ELABNSH05\TARGET\chem\voa5.i\041511V5.b\0415CALE.D
Lab Smp Id: SEQ-CALE Client Smp ID: SEQ-CALE
Inj Date : 15-APR-2011 16:05 MS Autotune Date: 28-JUL-1998 05:19
Operator : ADM Inst ID: voa5.i
Smp Info : SEQ-CALE;;;;
Misc Info : ;;;;;ksur.sub;
Comment :
Method : \\ELABNSH05\TARGET\chem\voa5.i\041511V5.b\VW5SUR.m
Meth Date : 18-Apr-2011 12:35 amonteiro Quant Type: ISTD
Cal Date : 15-APR-2011 14:26 Cal File: 0415CALA.D
Als bottle: 16 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: ksur.sub
Target Version: 4.04
Processing Host: TARGET02_VM

Concentration Formula: Amt * DF * 5*Uf/Vo

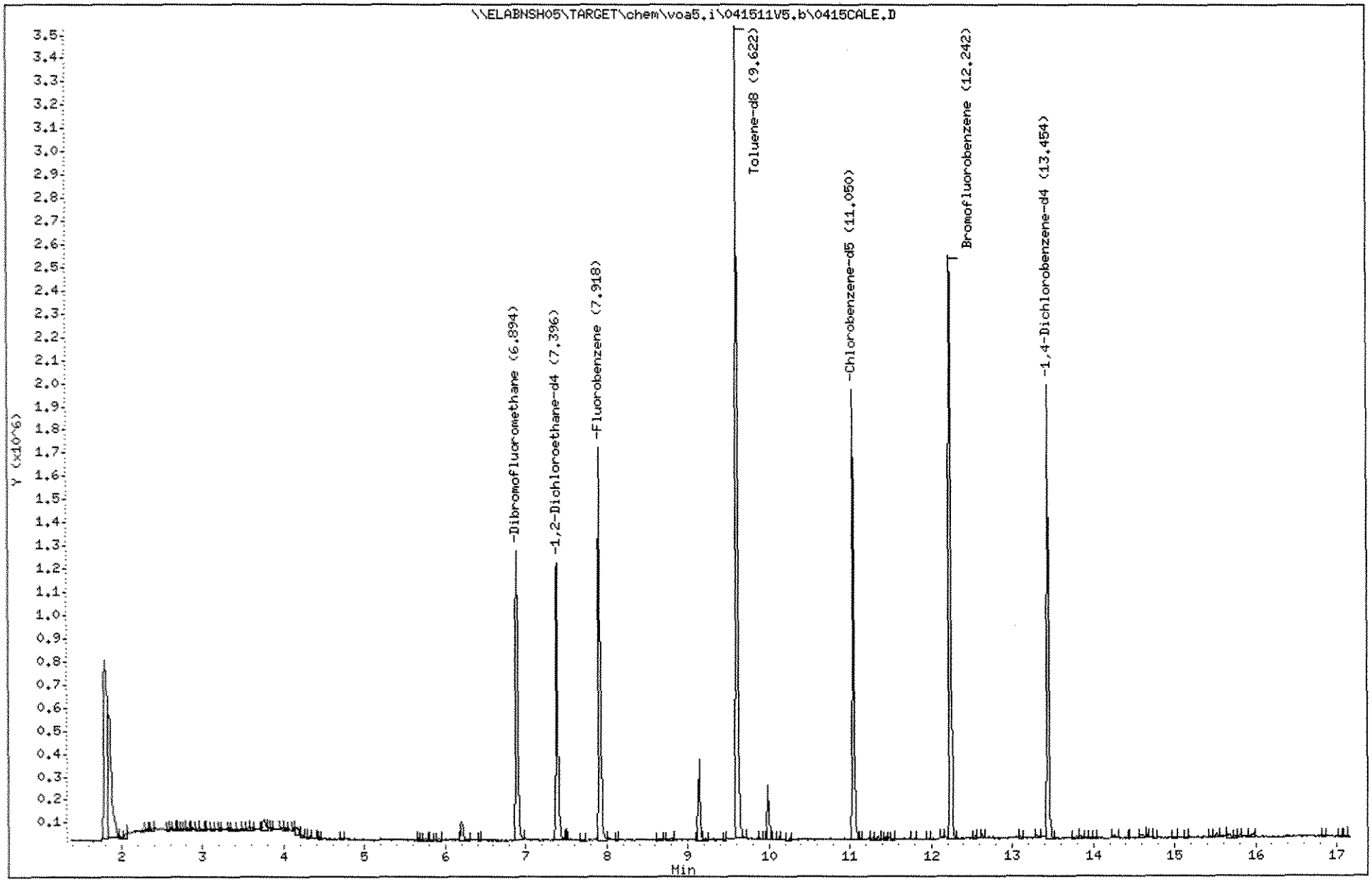
Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	unit correction factor
Vo	5.000	Volume of sample purged (mL)

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
* 62 Fluorobenzene	96	7.918	7.918	(1.000)	1285426	30.0000	
14 Acetone	43	3.761	3.761	(0.475)	82803	20.0000	20.25
43 2-Butanone	43	6.204	6.204	(0.784)	109974	20.0000	18.57
$ 51 Dibromofluoromethane	111	6.893	6.893	(0.871)	728200	60.0000	57.96
$ 54 1,2-Dichloroethane-d4	102	7.396	7.396	(0.934)	145694	60.0000	57.18
77 4-Methyl-2-pentanone	43	9.139	9.139	(1.154)	235921	20.0000	19.78
$ 81 Toluene-d8	98	9.622	9.622	(0.871)	2051728	60.0000	57.04
86 2-Hexanone	43	9.996	9.996	(0.905)	165800	20.0000	19.69
* 92 Chlorobenzene-d5	82	11.050	11.050	(1.000)	524809	30.0000	
$ 104 Bromofluorobenzene	95	12.242	12.242	(1.108)	842228	60.0000	57.10
* 117 1,4-Dichlorobenzene-d4	152	13.453	13.453	(1.000)	484161	30.0000	(Q)

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Data File: \\ELABNSH05\TARGET\chem\voa5.i\041511V5.b\0415CALE.D
Date : 15-APR-2011 16:05
Client ID: SEQ-CALE
Instrument: voa5.i
Sample Info: SEQ-CALE;;;;
Purge Volume: 5.0
Operator: ADM
Column phase: RTX-VRX
Column diameter: 0.25



CTOJM29_002

Data File: \\ELABNSH05\TARGET\chem\voa5.i\041511V5.b\0415CALF.D
Report Date: 18-Apr-2011 12:35

Laboratory Name

Data file : \\ELABNSH05\TARGET\chem\voa5.i\041511V5.b\0415CALF.D
Lab Smp Id: SEQ-CALF Client Smp ID: SEQ-CALF
Inj Date : 15-APR-2011 16:30 MS Autotune Date: 28-JUL-1998 05:19
Operator : ADM Inst ID: voa5.i
Smp Info : SEQ-CALF;;;;
Misc Info : ;;;;;ksur.sub;
Comment :
Method : \\ELABNSH05\TARGET\chem\voa5.i\041511V5.b\VW5SUR.m
Meth Date : 18-Apr-2011 12:35 amonteiro Quant Type: ISTD
Cal Date : 15-APR-2011 14:26 Cal File: 0415CALA.D
Als bottle: 17 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: ksur.sub
Target Version: 4.04
Processing Host: TARGET02_VM

Concentration Formula: Amt * DF * 5*Uf/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	unit correction factor
Vo	5.000	Volume of sample purged (mL)

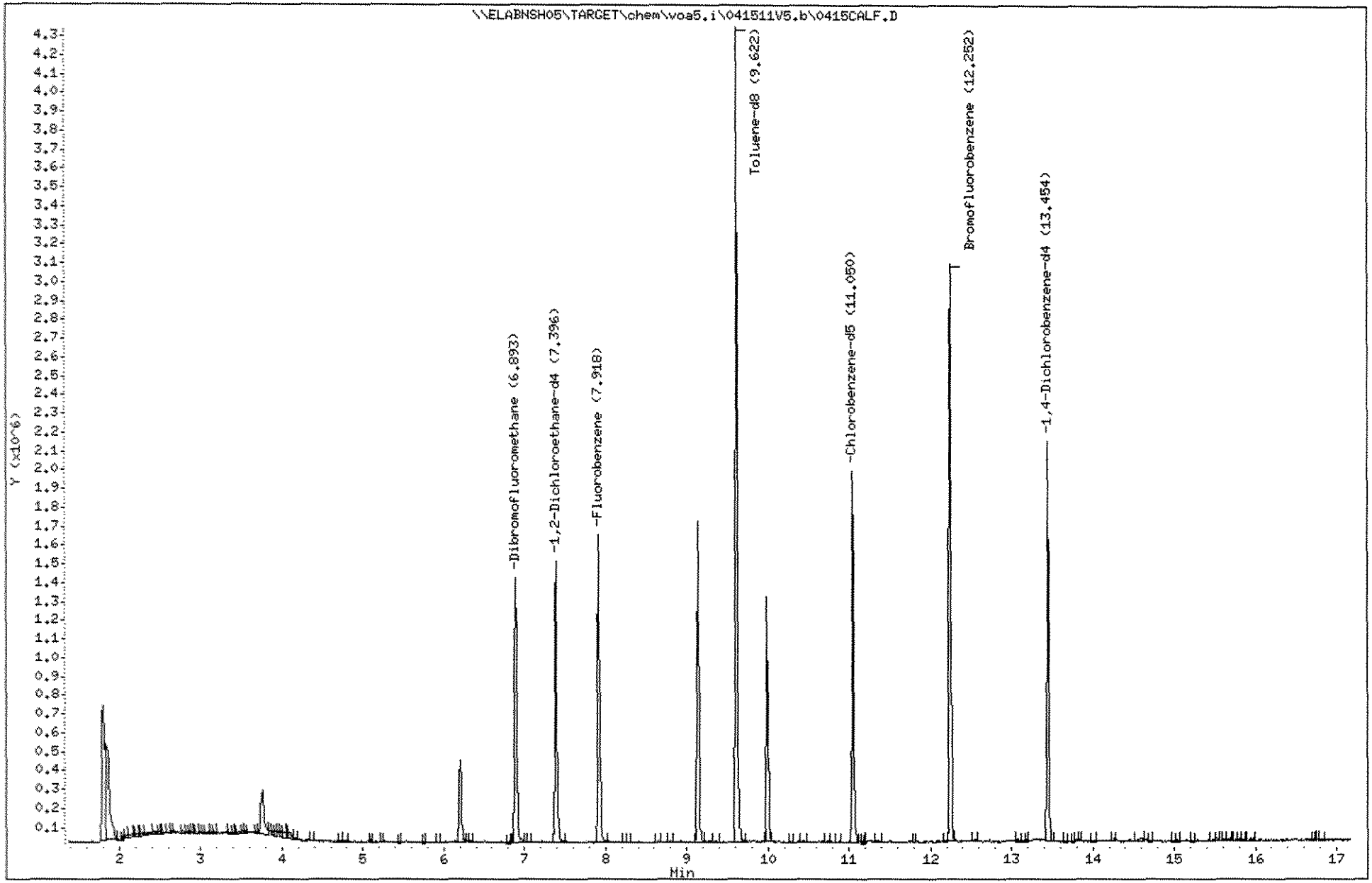
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)	
* 62 Fluorobenzene	96	7.917	7.917	(1.000)	1270247	30.0000		
14 Acetone	43	3.761	3.761	(0.475)	387852	100.000	95.98	
43 2-Butanone	43	6.203	6.203	(0.784)	596292	100.000	101.9	
$ 51 Dibromofluoromethane	111	6.893	6.893	(0.871)	814006	70.0000	65.56	
$ 54 1,2-Dichloroethane-d4	102	7.395	7.395	(0.934)	166462	70.0000	66.11	
77 4-Methyl-2-pentanone	43	9.139	9.139	(1.154)	1205768	100.000	102.3	
$ 81 Toluene-d8	98	9.621	9.621	(0.871)	2319433	70.0000	62.89	
86 2-Hexanone	43	9.996	9.996	(0.905)	833556	100.000	96.56	
* 92 Chlorobenzene-d5	82	11.050	11.050	(1.000)	538124	30.0000		
$ 104 Bromofluorobenzene	95	12.251	12.251	(1.109)	961052	70.0000	63.55	
* 117 1,4-Dichlorobenzene-d4	152	13.453	13.453	(1.000)	497200	30.0000		(Q)

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Data File: \\ELABNSH05\TARGET\chem\voa5.i\041511V5.b\0415CALF.D
Date : 15-APR-2011 16:30
Client ID: SEQ-CALF
Sample Info: SEQ-CALF;;;;
Purge Volume: 5.0
Column phase: RTX-VRX

Instrument: voa5.i
Operator: ADM
Column diameter: 0.25



CTOJM29_002

Data File: \\ELABNSH05\TARGET\chem\voa5.i\041511V5.b\0415CALG.D
Report Date: 18-Apr-2011 12:35

Laboratory Name

Data file : \\ELABNSH05\TARGET\chem\voa5.i\041511V5.b\0415CALG.D
Lab Smp Id: SEQ-CALG Client Smp ID: SEQ-CALG
Inj Date : 15-APR-2011 16:55 MS Autotune Date: 28-JUL-1998 05:19
Operator : ADM Inst ID: voa5.i
Smp Info : SEQ-CALG;;;;
Misc Info : ;;;;;ksur.sub;
Comment :
Method : \\ELABNSH05\TARGET\chem\voa5.i\041511V5.b\VW5SUR.m
Meth Date : 18-Apr-2011 12:35 amonteiro Quant Type: ISTD
Cal Date : 15-APR-2011 14:26 Cal File: 0415CALA.D
Als bottle: 18 Calibration Sample, Level: 7
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: ksur.sub
Target Version: 4.04
Processing Host: TARGET02_VM

Concentration Formula: Amt * DF * 5*Uf/Vo

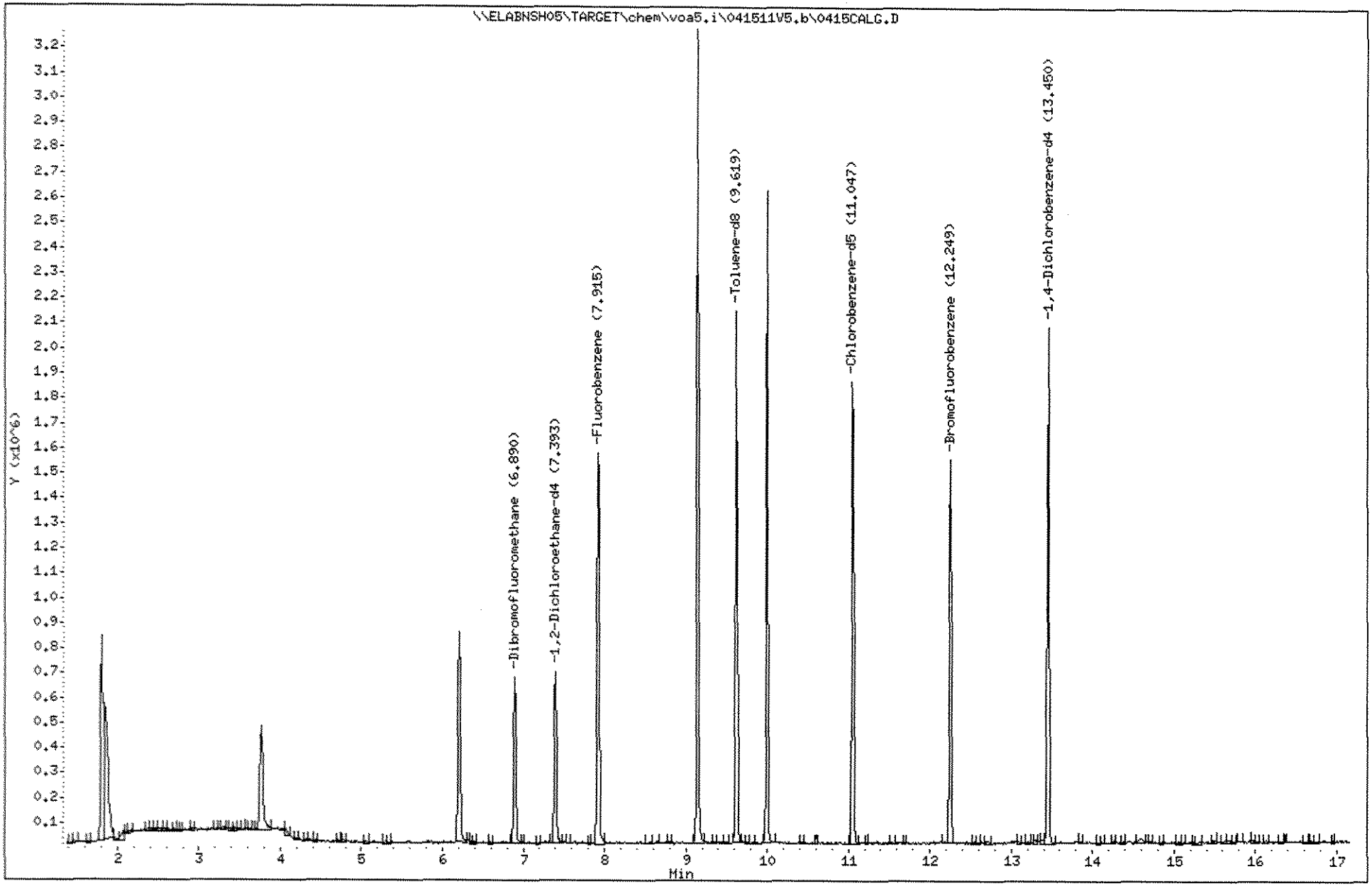
Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	unit correction factor
Vo	5.000	Volume of sample purged (mL)

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
* 62 Fluorobenzene	96	7.914	7.914	(1.000)	1268456	30.0000	
14 Acetone	43	3.757	3.757	(0.475)	750382	200.000	186.0
43 2-Butanone	43	6.200	6.200	(0.783)	1134461	200.000	194.2
$ 51 Dibromofluoromethane	111	6.890	6.890	(0.871)	384333	30.0000	31.00
$ 54 1,2-Dichloroethane-d4	102	7.392	7.392	(0.934)	80043	30.0000	31.83
77 4-Methyl-2-pentanone	43	9.136	9.136	(1.154)	2404004	200.000	204.3
$ 81 Toluene-d8	98	9.618	9.618	(0.871)	1124690	30.0000	31.55
86 2-Hexanone	43	9.993	9.993	(0.905)	1640400	200.000	196.6
* 92 Chlorobenzene-d5	82	11.047	11.047	(1.000)	520175	30.0000	
$ 104 Bromofluorobenzene	95	12.248	12.248	(1.109)	469006	30.0000	32.08
* 117 1,4-Dichlorobenzene-d4	152	13.450	13.450	(1.000)	480376	30.0000	

Data File: \\ELABNSH05\TARGET\chem\voa5.i\041511V5.b\0415CALC.D
Date : 15-APR-2011 16:55
Client ID: SEQ-CALC
Sample Info: SEQ-CALC;;;;
Purge Volume: 5.0
Column phase: RTX-VRX

Instrument: voa5.i

Operator: ADM
Column diameter: 0.25



CTOJM29_002

Data File: \\ELABNSH05\TARGET\chem\voa5.i\041511V5.b\0415CALH.D
Report Date: 18-Apr-2011 12:35

Laboratory Name

Data file : \\ELABNSH05\TARGET\chem\voa5.i\041511V5.b\0415CALH.D
Lab Smp Id: SEQ-CALH Client Smp ID: SEQ-CALH
Inj Date : 15-APR-2011 17:20 MS Autotune Date: 28-JUL-1998 05:19
Operator : ADM Inst ID: voa5.i
Smp Info : SEQ-CALH;;;;
Misc Info : ;;;;;ksur.sub;
Comment :
Method : \\ELABNSH05\TARGET\chem\voa5.i\041511V5.b\VW5SUR.m
Meth Date : 18-Apr-2011 12:35 amonteiro Quant Type: ISTD
Cal Date : 15-APR-2011 14:26 Cal File: 0415CALA.D
Als bottle: 19 Calibration Sample, Level: 8
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: ksur.sub
Target Version: 4.04
Processing Host: TARGET02_VM

Concentration Formula: Amt * DF * 5*Uf/Vo

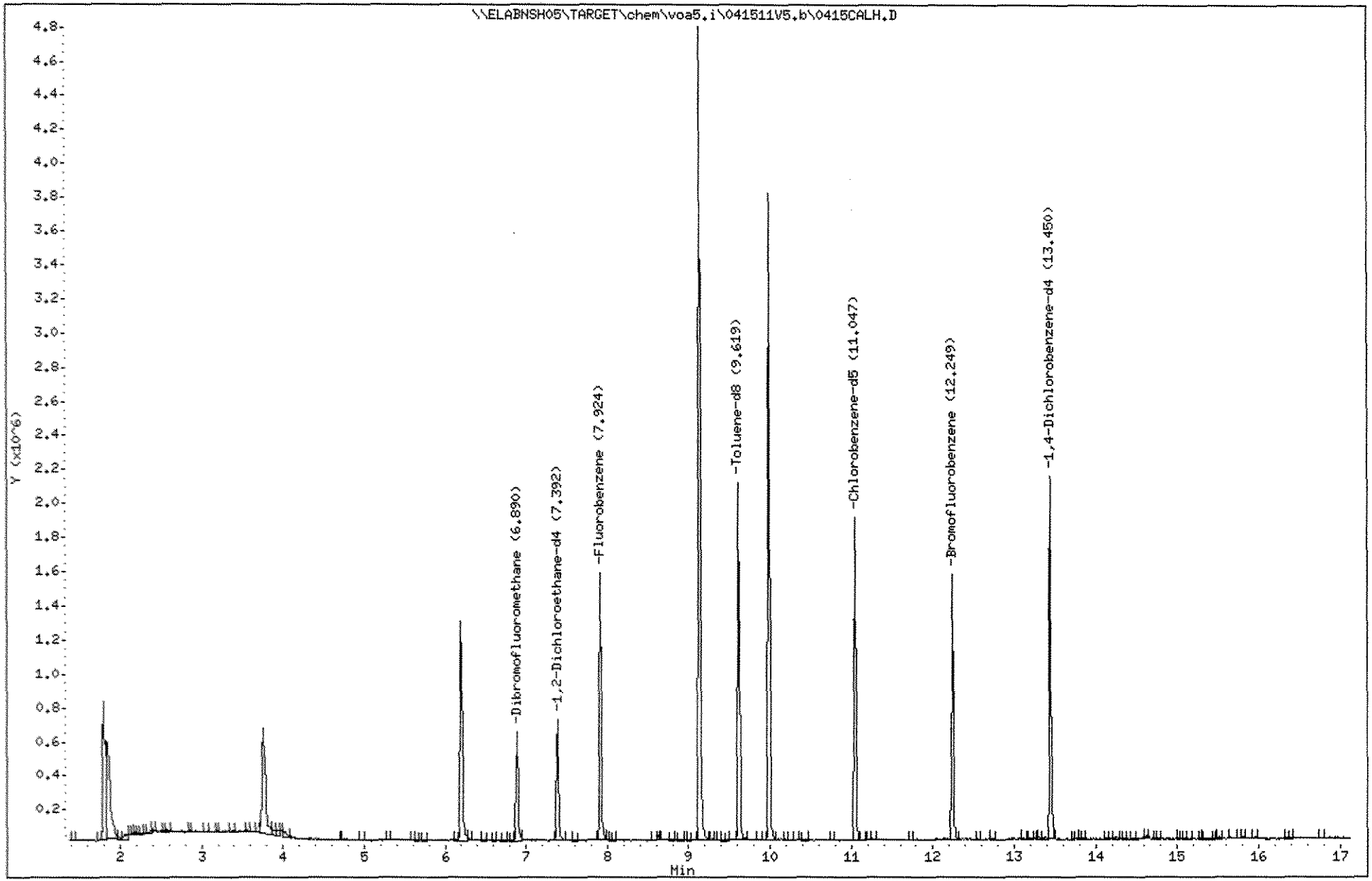
Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	unit correction factor
Vo	5.000	Volume of sample purged (mL)

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
* 62 Fluorobenzene	96	7.924	7.924	(1.000)	1312035	30.0000	
14 Acetone	43	3.757	3.757	(0.474)	1151460	300.000	275.9
43 2-Butanone	43	6.200	6.200	(0.782)	1763287	300.000	291.8
$ 51 Dibromofluoromethane	111	6.890	6.890	(0.869)	391028	30.0000	30.49
$ 54 1,2-Dichloroethane-d4	102	7.392	7.392	(0.933)	75252	30.0000	28.93(Q)
77 4-Methyl-2-pentanone	43	9.145	9.145	(1.154)	3577995	300.000	293.9
$ 81 Toluene-d8	98	9.618	9.618	(0.871)	1133994	30.0000	30.39
86 2-Hexanone	43	9.992	9.992	(0.905)	2469497	300.000	282.8
* 92 Chlorobenzene-d5	82	11.046	11.046	(1.000)	544446	30.0000	
$ 104 Bromofluorobenzene	95	12.248	12.248	(1.109)	474725	30.0000	31.03
* 117 1,4-Dichlorobenzene-d4	152	13.450	13.450	(1.000)	491682	30.0000	(Q)

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Data File: \\ELABNSH05\TARGET\chem\voa5.i\041511V5.b\0415CALH.D
Date : 15-APR-2011 17:20
Client ID: SEQ-CALH
Instrument: voa5.i
Sample Info: SEQ-CALH;;;;
Purge Volume: 5.0
Operator: ADM
Column phase: RTX-VRX
Column diameter: 0.25



CTOJM29_002

Data File: \\ELABNSH05\TARGET\chem\voa5.i\041511V5.b\0415CALI.D
Report Date: 18-Apr-2011 12:36

Laboratory Name

Data file : \\ELABNSH05\TARGET\chem\voa5.i\041511V5.b\0415CALI.D
Lab Smp Id: SEQ-CALI Client Smp ID: SEQ-CALI
Inj Date : 15-APR-2011 17:45 MS Autotune Date: 28-JUL-1998 05:19
Operator : ADM Inst ID: voa5.i
Smp Info : SEQ-CALI;;;;
Misc Info : ;;;;;ksur.sub;
Comment :
Method : \\ELABNSH05\TARGET\chem\voa5.i\041511V5.b\VW5SUR.m
Meth Date : 18-Apr-2011 12:36 amonteiro Quant Type: ISTD
Cal Date : 15-APR-2011 17:45 Cal File: 0415CALI.D
Als bottle: 20 Calibration Sample, Level: 9
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: ksur.sub
Target Version: 4.04
Processing Host: TARGET02_VM

Concentration Formula: Amt * DF * 5*Uf/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	unit correction factor
Vo	5.000	Volume of sample purged (mL)

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
* 62 Fluorobenzene	96	7.919	7.919	(1.000)	1319192	30.0000	
14 Acetone	43	3.763	3.763	(0.475)	1605636	400.000	382.6
43 2-Butanone	43	6.205	6.205	(0.784)	2373705	400.000	390.6
$ 51 Dibromofluoromethane	111	6.895	6.895	(0.871)	394267	30.0000	30.58
$ 54 1,2-Dichloroethane-d4	102	7.387	7.387	(0.933)	78587	30.0000	30.05
77 4-Methyl-2-pentanone	43	9.141	9.141	(1.154)	4915083	400.000	401.6(A)
$ 81 Toluene-d8	98	9.614	9.614	(0.870)	1180348	30.0000	31.84
86 2-Hexanone	43	9.998	9.998	(0.905)	3449609	400.000	397.5
* 92 Chlorobenzene-d5	82	11.052	11.052	(1.000)	540966	30.0000	
$ 104 Bromofluorobenzene	95	12.244	12.244	(1.108)	478058	30.0000	31.44
* 117 1,4-Dichlorobenzene-d4	152	13.455	13.455	(1.000)	491098	30.0000	(Q)

QC Flag Legend

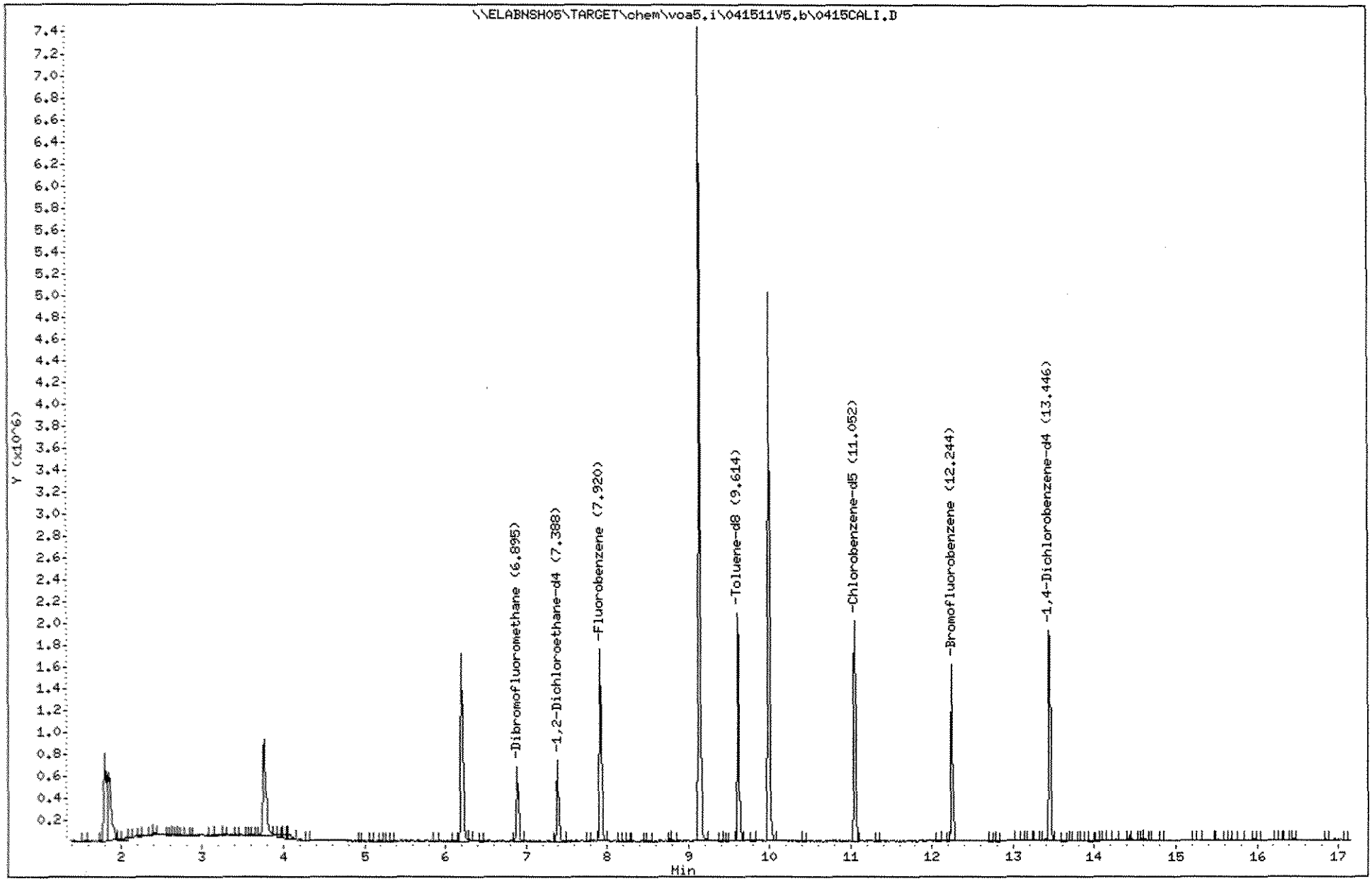
A - Target compound detected but, quantitated amount exceeded maximum amount.

Data File: \\ELABNSH05\TARGET\chem\voa5.i\041511V5.b\0415CALI.D
Report Date: 18-Apr-2011 12:36

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Data File: \\ELABNSH05\TARGET\chem\voa5.i\041511V5.b\0415CALI.D
Date : 15-APR-2011 17:45
Client ID: SEQ-CALI
Instrument: voa5.i
Sample Info: SEQ-CALI;;;;
Purge Volume: 5.0
Operator: ADM
Column phase: RTX-VRX
Column diameter: 0.25



ANALYSIS SEQUENCE

1D11511

Instrument: MS-VOA5

Calibnration ID: 1110001

Printed: 4/25/2011 12:45:15PM

Lab Number	Analysis	Container	Order	Position	STD ID	ISTD ID	Client	Comments
1D11511-TUN1	QC		1		11D0087			
1D11511-CCV1	QC		2		11D0481	11A0563		
1D22008-BS1	QC		3			11A0563		
1D22008-BLK1	QC		4			11A0563		
1104184-04	VOC_8260B_REG	A	5			11A0563	Shaw E & I (I700)	See version
1104188-05	VOC_8260B_REG	A	6			11A0563	Shaw E & I (I700)	
1104189-04	VOC_8260B_REG	B	7			11A0563	Tetra Tech NUS, Inc. (T010)	BTEX & MTBE
1104191-03	VOC_8260B_REG	B	8			11A0563	Tetra Tech NUS, Inc. (T010)	BTEX & MTBE
1104207-11	VOC_8260B_REG	A	9			11A0563	Tetra Tech NUS, Inc. (T010)	
1104187-01	VOC_8260B_REG	B	10			11A0563	Tetra Tech NUS, Inc. (T010)	
1104187-02	VOC_8260B_REG	B	11			11A0563	Tetra Tech NUS, Inc. (T010)	
1104188-01	VOC_8260B_REG	B	12			11A0563	Shaw E & I (I700)	
1104189-01	VOC_8260B_REG	B	13			11A0563	Tetra Tech NUS, Inc. (T010)	BTEX & MTBE
1104189-02	VOC_8260B_REG	B	14			11A0563	Tetra Tech NUS, Inc. (T010)	BTEX & MTBE
1104189-03	VOC_8260B_REG	B	15			11A0563	Tetra Tech NUS, Inc. (T010)	BTEX & MTBE
1104185-05	VOC_8260B_REG	A	16			11A0563	Shaw E & I (I700)	MS/MSD
1104191-01	VOC_8260B_REG	B	17			11A0563	Tetra Tech NUS, Inc. (T010)	BTEX & MTBE
1104191-02	VOC_8260B_REG	B	18			11A0563	Tetra Tech NUS, Inc. (T010)	BTEX & MTBE
1104185-01RE1	VOC_8260B_REG	C	19			11A0563	Shaw E & I (I700)	RR 100x > TCE -ADM
1104181-05RE1	VOC_8260B_REG	C	20			11A0563	Shaw E & I (I700)	RR 25x-cis-1,2-dce -ADM
1104184-01RE1	VOC_8260B_REG	C	21			11A0563	Shaw E & I (I700)	RR 20x-carbontet.-ADM
1104187-06	VOC_8260B_REG	B	22			11A0563	Tetra Tech NUS, Inc. (T010)	
1104188-03	VOC_8260B_REG	B	23			11A0563	Shaw E & I (I700)	

Samples Loaded By Date

Data Processed By Date

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CTOJM29_002

ANALYSIS SEQUENCE

1D11511

Instrument: MS-VOA5

Calibnration ID: 1110001

Printed: 4/25/2011 12:45:15PM

Lab Number	Analysis	Container	Order	Position	STD ID	ISTD ID	Client	Comments
1104187-03	VOC_8260B_REG	B	24			11A0563	Tetra Tech NUS, Inc. (T010)	
1104187-04	VOC_8260B_REG	B	25			11A0563	Tetra Tech NUS, Inc. (T010)	
1D22008-MS1	QC		26			11A0563		
1D22008-MSD1	QC		27			11A0563		

Samples Loaded By Date

Data Processed By Date

139

CTOJM29_002

Data File: \\ELABNSH05\TARGET\chem\voa5.i\042211V5.b\0422TU1.D

Date : 22-APR-2011 06:34

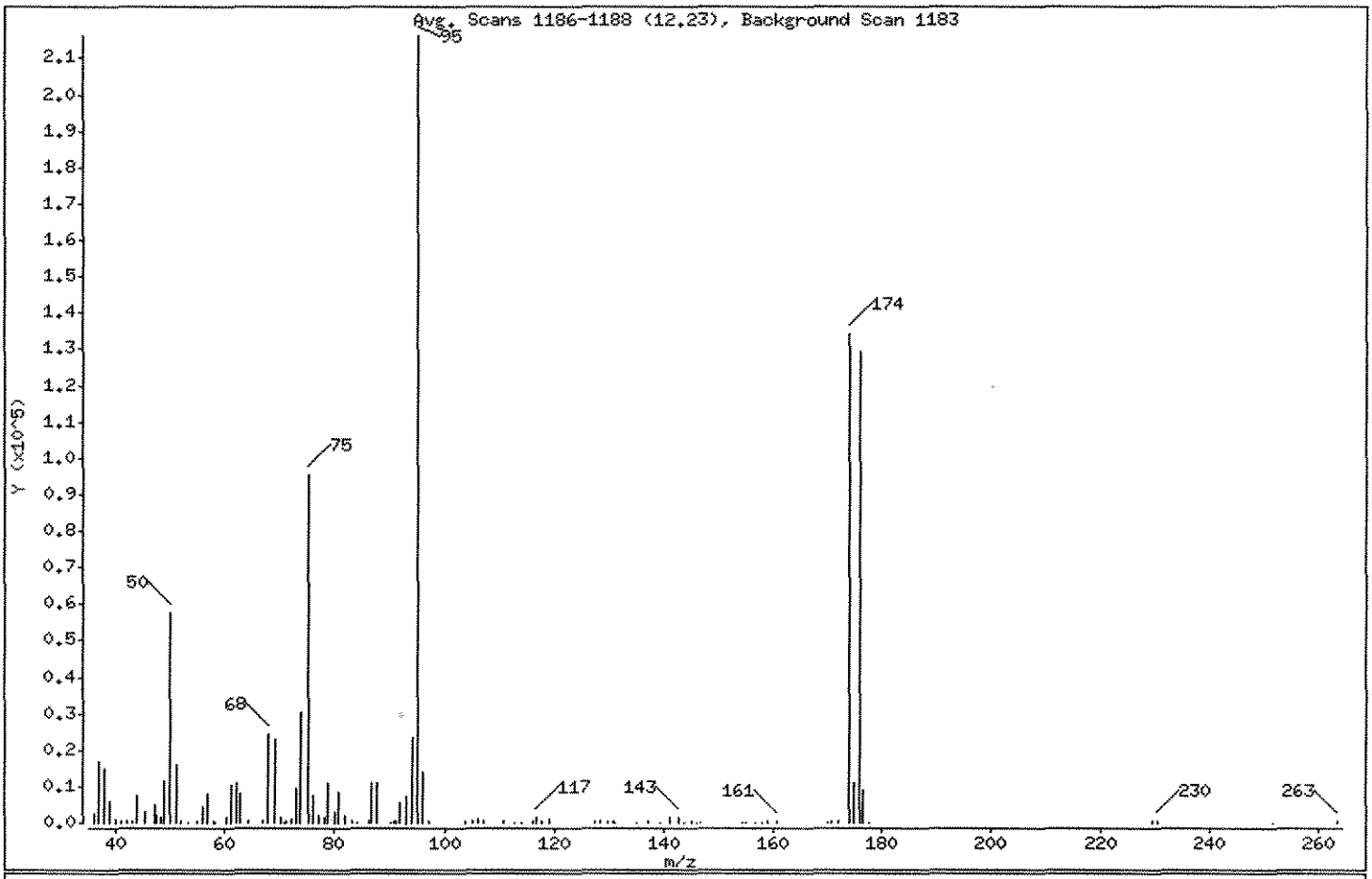
Client ID: SEQ-TUN1 Instrument: voa5.i

Sample Info: SEQ-TUN1;;;;;

Volume Injected (uL): 1.0 Operator: ADM

Column phase: RTX-VRX Column diameter: 0.25

1 bfb



4-23-11

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	26.58
75	30.00 - 60.00% of mass 95	44.19
96	5.00 - 9.00% of mass 95	6.51
173	Less than 2.00% of mass 174	0.00 (0.00)
174	Greater than 50.00% of mass 95	61.99
175	5.00 - 9.00% of mass 174	4.96 (8.01)
176	95.00 - 101.00% of mass 174	59.85 (96.55)
177	5.00 - 9.00% of mass 176	4.23 (7.06)

MJ 4/11

Data File: \\ELABNSH05\TARGET\chem\voa5.i\042211V5.b\0422TU1.D

Date : 22-APR-2011 06:34

Client ID: SEQ-TUN1 Instrument: voa5.i

Sample Info: SEQ-TUN1;;;;;

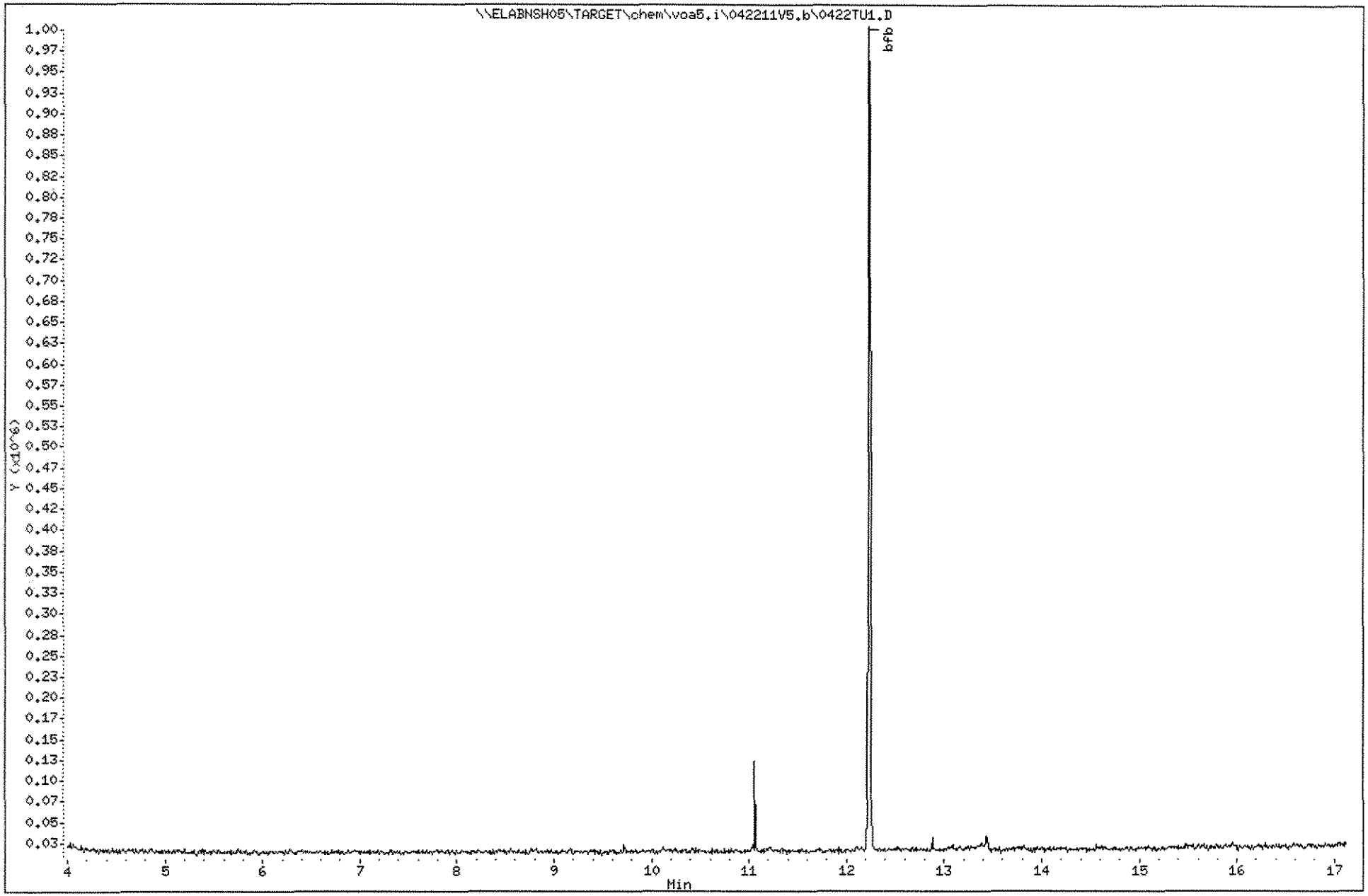
Volume Injected (uL): 1.0 Operator: ADM

Column phase: RTX-VRX Column diameter: 0.25

Data File: 0422TU1.D
Spectrum: Avg. Scans 1186-1188 (12.23), Background Scan 1183
Location of Maximum: 95.05
Number of points: 102

m/z	Y	m/z	Y	m/z	Y	m/z	Y
35.90	2660	63.00	8136	91.15	268	140.95	1361
37.00	16880	64.20	594	91.95	5427	142.85	1579
38.00	15018	66.90	625	93.05	7285	143.65	222
38.95	6118	68.00	24232	94.05	23464	145.10	375
39.95	1060	69.10	22768	95.05	216192	146.00	161
40.75	432	70.10	1460	96.10	14068	146.70	197
41.85	275	70.80	181	97.10	609	154.55	196
42.95	527	71.35	475	103.85	712	154.95	229
44.05	7295	72.05	1069	105.15	496	156.85	187
45.15	3110	73.05	9387	106.05	948	158.15	153
47.10	4836	73.95	30272	107.05	518	158.95	339
47.70	2118	75.05	95528	110.95	423	160.80	348
48.20	1541	76.05	7691	112.70	170	170.05	239
49.00	11663	77.15	1796	114.30	198	170.85	322
50.00	57464	78.15	1331	116.10	656	171.95	516
51.10	15872	78.90	10850	116.90	1444	173.95	134016
51.90	589	80.10	2994	117.90	366	174.95	10728
53.30	205	80.90	8354	119.00	837	175.95	129392
54.95	643	81.70	1841	127.60	403	176.90	9136
55.95	4522	83.20	257	128.60	347	177.90	155
56.95	7754	84.20	168	129.90	641	229.40	250
57.85	344	86.10	354	130.70	268	230.20	333
58.35	222	87.00	10709	131.20	211	251.75	174
60.25	1512	87.95	10960	135.10	243	263.30	254
61.05	10590	90.15	209	136.95	416		
62.05	11139	90.75	657	139.45	186		

Data File: \\ELABNSH05\TARGET\chem\voa5.i\042211V5.b\0422TU1.D
Date : 22-APR-2011 06:34
Client ID: SEQ-TUN1
Instrument: voa5.i
Sample Info: SEQ-TUN1;;;;;
Volume Injected (uL): 1.0
Operator: ADM
Column phase: RTX-VRX
Column diameter: 0.25



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CTOJM29_002

Data File: \\ELABNSH05\TARGET\chem\voa5.i\042211V5.b\0422CC1.D
Report Date: 22-Apr-2011 07:18

Laboratory Name

Data file : \\ELABNSH05\TARGET\chem\voa5.i\042211V5.b\0422CC1.D
Lab Smp Id: SEQ-CCV1 Client Smp ID: SEQ-CCV1
Inj Date : 22-APR-2011 06:59 MS Autotune Date: 28-JUL-1998 05:19
Operator : ADM Inst ID: voa5.i
Smp Info : SEQ-CCV1;;;;;
Misc Info : ;2;CCV;;;gm-all.sub;
Comment :
Method : \\ELABNSH05\TARGET\chem\voa5.i\042211V5.b\VW5SUR.m
Meth Date : 22-Apr-2011 07:18 amonteiro Quant Type: ISTD
Cal Date : 15-APR-2011 14:26 Cal File: 0415CALA.D
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: gm-all.sub
Target Version: 4.04
Processing Host: TARGET02_VM

Concentration Formula: Amt * DF * 5*Uf/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	unit correction factor
Vo	5.000	Volume of sample purged (mL)

VM 4-21-11

PDW 4-23-11

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
* 62 Fluorobenzene	96	7.908	7.908	(1.000)	1078952	30.0000	
1 Dichlorodifluoromethane	85	2.018	2.018	(0.255)	1124050	100.000	101.8
2 Chloromethane	50	2.234	2.234	(0.283)	1916576	100.000	112.3
4 Vinyl chloride	62	2.372	2.372	(0.300)	810836	100.000	93.45
7 Bromomethane	94	2.815	2.815	(0.356)	872466	100.000	98.11
8 Chloroethane	64	2.953	2.953	(0.374)	1028379	100.000	113.3
11 Trichlorofluoromethane	101	3.446	3.446	(0.436)	1644988	100.000	113.2
15 t-Butyl alcohol	59	4.372	4.372	(0.553)	451556	500.000	574.7
16 tert-Amyl alcohol	59	7.081	7.081	(0.895)	312229	500.000	495.6
26 Trichlorotrifluoroethane	101	4.303	4.303	(0.544)	925660	100.000	124.2
10 Acrolein	56	3.633	3.633	(0.459)	542148	500.000	333.6
22 1,1-Dichloroethene	96	4.224	4.224	(0.534)	901726	100.000	114.4(Q)
14 Acetone	43	3.751	3.751	(0.474)	803342	200.000	234.0
23 Iodomethane	142	4.421	4.421	(0.559)	1144181	100.000	106.6
29 Carbon disulfide	76	4.756	4.756	(0.601)	3050609	100.000	125.2
25 Methylene chloride	84	4.707	4.707	(0.595)	1090557	100.000	118.4

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			QUANT SIG					AMOUNTS	
								CAL-AMT	ON-COL
	Compounds		MASS	RT	EXP RT	REL RT	RESPONSE	(ug/L)	(ug/L)
	24	Acrylonitrile	53	4.588	4.588	(0.580)	1945360	500.000	567.8(Q)
	32	trans-1,2-Dichloroethene	96	5.377	5.377	(0.680)	1003146	100.000	114.5
	33	MTBE	73	5.367	5.367	(0.679)	2398553	100.000	119.1
	34	1,1-Dichloroethane	63	5.751	5.751	(0.727)	2050926	100.000	123.6
	37	Vinyl acetate	43	5.820	5.820	(0.736)	3129205	200.000	231.3
	45	Di-isopropyl ether	45	6.115	6.115	(0.773)	4702906	100.000	121.0
	46	cis-1,2-Dichloroethene	96	6.460	6.460	(0.817)	1076170	100.000	113.7(Q)
M	30	1,2-Dichloroethene(total)	96				2079317	200.000	228.2
	43	2-Butanone	43	6.194	6.194	(0.783)	1006425	200.000	202.5
	48	Bromochloromethane	128	6.736	6.736	(0.852)	530271	100.000	111.5
	53	Tetrahydrofuran	42	6.923	6.923	(0.875)	312645	100.000	110.1
	49	Chloroform	83	6.706	6.706	(0.848)	1655180	100.000	107.2
	27	Methyl acetate	43	4.569	4.569	(0.578)	910390	100.000	113.5
$	51	Dibromofluoromethane	111	6.884	6.884	(0.870)	337847	30.0000	32.04
	56	1,1,1-Trichloroethane	97	7.278	7.278	(0.920)	1215831	100.000	107.8
	58	ETBE	59	6.578	6.578	(0.832)	3328359	100.000	112.2
	59	Cyclohexane	56	7.544	7.544	(0.954)	1751640	100.000	117.7
	60	Carbon tetrachloride	117	7.613	7.613	(0.963)	944121	100.000	109.5
$	54	1,2-Dichloroethane-d4	102	7.386	7.386	(0.934)	68801	30.0000	32.17
	61	Benzene	78	7.652	7.652	(0.968)	3516175	100.000	119.7
	55	1,2-Dichloroethane	62	7.475	7.475	(0.945)	1363255	100.000	113.0
	50	2,2-Dichloropropane	77	6.568	6.568	(0.831)	1278095	100.000	114.8
	57	1,1-Dichloropropene	75	7.494	7.494	(0.948)	1286858	100.000	115.1(Q)
	63	tert-Amyl Methyl Ether	73	7.839	7.839	(0.991)	2626041	100.000	110.4
	67	Trichloroethene	95	8.410	8.410	(1.064)	1001199	100.000	116.7
	66	1,2-Dichloropropane	63	8.460	8.460	(1.070)	1233857	100.000	120.1
	65	Dibromomethane	93	8.568	8.568	(1.083)	659985	100.000	114.8
	70	Methyl methacrylate	41	7.544	7.544	(0.954)	1192296	100.000	117.3
	68	Bromodichloromethane	83	8.637	8.637	(1.092)	1243661	100.000	108.0
	71	2-Chloroethyl vinyl ether	63	8.992	8.992	(1.137)	1327376	200.000	215.5
	73	tert-Amyl Ethyl Ether	59	8.726	8.726	(1.103)	2779325	100.000	114.7
	76	cis-1,3-Dichloropropene	75	9.208	9.208	(1.164)	1514086	100.000	112.1
	77	4-Methyl-2-pentanone	43	9.129	9.129	(1.154)	2133835	200.000	213.2
$	81	Toluene-d8	98	9.612	9.612	(0.871)	943136	30.0000	28.85
	83	Toluene	92	9.691	9.691	(0.878)	1893600	100.000	106.4
	78	trans-1,3-Dichloropropene	75	9.681	9.681	(0.877)	1345102	100.000	115.4
	85	Ethyl methacrylate	69	9.868	9.868	(0.894)	1185726	100.000	104.7
	80	1,1,2-Trichloroethane	83	9.839	9.839	(0.891)	728063	100.000	101.3
	89	Tetrachloroethene	166	10.420	10.420	(0.944)	807416	100.000	109.8
	86	2-Hexanone	43	9.986	9.986	(0.905)	1490425	200.000	194.8
	87	Dibromochloromethane	129	10.311	10.311	(0.934)	893922	100.000	106.0
	88	1,2-Dibromoethane	107	10.528	10.528	(0.954)	925986	100.000	104.4
	74	Methyl cyclohexane	83	8.785	8.785	(1.111)	1251676	100.000	115.8
*	92	Chlorobenzene-d5	82	11.040	11.040	(1.000)	476945	30.0000	
	93	Chlorobenzene	112	11.080	11.080	(1.004)	2122501	100.000	104.4
	90	1,1,1,2-Tetrachloroethane	131	11.119	11.119	(1.007)	800993	100.000	105.7
	91	1-Chlorohexane	91	11.050	11.050	(1.001)	2237917	100.000	104.4

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	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)	
	94 Ethylbenzene	91	11.228	11.228	(1.017)	3573577	100.000	110.5	
	95 m,p-Xylene	91	11.336	11.336	(1.027)	5540711	200.000	223.7	
M	107 Xylene(total)	91				8324577	300.000	329.7	
	99 o-Xylene	91	11.730	11.730	(1.062)	2783865	100.000	106.0	
	97 Styrene	104	11.700	11.700	(1.060)	2256987	100.000	108.0	
	96 Bromoform	173	11.809	11.809	(1.070)	575038	100.000	100.3	
	103 Isopropylbenzene	105	12.134	12.134	(1.099)	2674403	100.000	107.9	
$	104 Bromofluorobenzene	95	12.242	12.242	(1.109)	380771	30.0000	28.41	
	98 1,1,2,2-Tetrachloroethane	83	12.055	12.055	(0.897)	1040477	100.000	112.5	
	84 1,3-Dichloropropane	76	10.055	10.055	(0.911)	1359611	100.000	105.4	
	100 1,2,3-Trichloropropane	110	12.183	12.183	(1.103)	246733	100.000	96.72	
	108 n-Propylbenzene	91	12.538	12.538	(0.933)	3779799	100.000	117.1	
	113 1,3,5-Trimethylbenzene	105	12.715	12.715	(0.946)	2436515	100.000	114.9	
	111 1,2,4-Trimethylbenzene	105	13.089	13.089	(0.974)	2540347	100.000	117.9	
	114 sec-Butylbenzene	105	13.296	13.296	(0.989)	2915913	100.000	114.8	
	112 tert-Butylbenzene	119	13.060	13.060	(0.971)	2432512	100.000	116.3	
	115 1,3-Dichlorobenzene	146	13.385	13.385	(0.996)	1477845	100.000	106.4	
*	117 1,4-Dichlorobenzene-d4	152	13.444	13.444	(1.000)	389712	30.0000		(Q)
	118 1,4-Dichlorobenzene	146	13.473	13.473	(1.002)	1508884	100.000	103.2	
	121 n-Butylbenzene	91	13.838	13.838	(1.029)	2298419	100.000	117.6	
	120 1,2-Dichlorobenzene	146	13.798	13.798	(1.026)	1424616	100.000	112.6	
	122 1,2-Dibromo-3-chloropropane	157	14.439	14.439	(1.074)	155473	100.000	106.3	
	105 Bromobenzene	156	12.400	12.400	(0.922)	899623	100.000	111.2	
	109 2-Chlorotoluene	91	12.626	12.626	(0.939)	2287206	100.000	114.7	
	110 4-Chlorotoluene	91	12.685	12.685	(0.944)	2667123	100.000	118.3	
	123 1,2,4-Trichlorobenzene	180	15.522	15.522	(1.155)	824438	100.000	106.2	
	124 Naphthalene	128	15.670	15.670	(1.166)	1923275	100.000	111.6	
	119 p-Isopropyltoluene	119	13.434	13.434	(0.999)	2514200	100.000	115.4	
	125 Hexachlorobutadiene	225	15.798	15.798	(1.175)	306254	100.000	100.9	
	126 1,2,3-Trichlorobenzene	180	15.956	15.956	(1.187)	699970	100.000	105.6	

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Data File: \\ELABNSH05\TARGET\chem\voa5.i\042211V5.b\0422CC1.D
Date : 22-APR-2011 06:59
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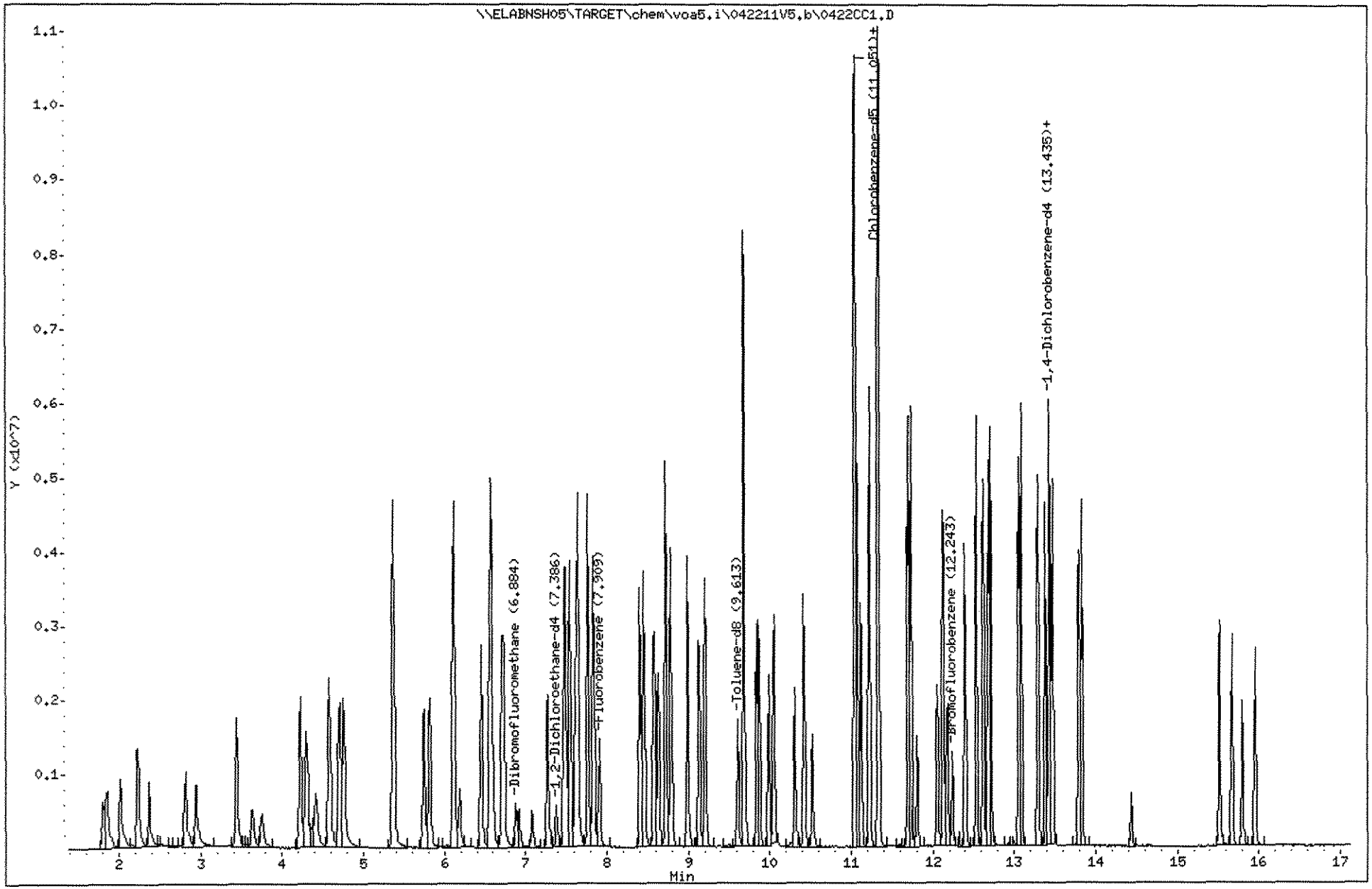
Instrument: voa5.i
Sample Info: SEQ-CCV1;;;;;
Purge Volume: 5.0
Operator: ADM
Column phase: RTX-VRX
Column diameter: 0.25



Data File: \\ELABNSH05\TARGET\chem\voa5.i\042211V5.b\0422LS1.D
Report Date: 23-Apr-2011 07:28

Laboratory Name

Data file : \\ELABNSH05\TARGET\chem\voa5.i\042211V5.b\0422LS1.D
Lab Smp Id: 1D22008-BS1 Client Smp ID: 1D22008-BS1
Inj Date : 22-APR-2011 07:24 MS Autotune Date: 28-JUL-1998 05:19
Operator : ADM Inst ID: voa5.i
Smp Info : 1D22008-BS1;;;;;
Misc Info : ;3;LCS;;;gm-all.sub;
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Meth Date : 22-Apr-2011 19:34 tapsvc Quant Type: ISTD
Cal Date : 15-APR-2011 14:26 Cal File: 0415CALA.D
Als bottle: 2 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: gm-all.sub
Target Version: 4.04
Processing Host: TARGET02_VM

Concentration Formula: Amt * DF * 5*Uf/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	unit correction factor
Vo	5.000	Volume of sample purged (mL)

4-23-11

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
* 62 Fluorobenzene	96	7.905	7.905	(1.000)	1117170	30.0000	
1 Dichlorodifluoromethane	85	2.024	2.014	(0.256)	467674	40.7873	40.79
2 Chloromethane	50	2.231	2.231	(0.282)	861977	48.7741	48.77
4 Vinyl chloride	62	2.379	2.369	(0.301)	407044	37.4738	37.47
7 Bromomethane	94	2.822	2.812	(0.357)	362458	40.4778	40.48
8 Chloroethane	64	2.950	2.940	(0.373)	434966	46.2827	46.28
11 Trichlorofluoromethane	101	3.443	3.433	(0.436)	784374	52.1362	52.14
15 t-Butyl alcohol	59	4.369	4.368	(0.553)	212786	261.544	261.5
16 tert-Amyl alcohol	59	7.078	7.077	(0.895)	165634	253.908	253.9
26 Trichlorotrifluoroethane	101	4.300	4.290	(0.544)	409356	53.0311	53.03
10 Acrolein	56	3.640	3.630	(0.460)	256890	150.598	150.6
22 1,1-Dichloroethene	96	4.221	4.211	(0.534)	415882	50.9657	50.96(Q)
14 Acetone	43	3.758	3.748	(0.475)	387063	108.912	108.9
23 Iodomethane	142	4.418	4.408	(0.559)	494249	46.0043	46.00
29 Carbon disulfide	76	4.763	4.752	(0.603)	1350295	53.5299	53.53
25 Methylene chloride	84	4.704	4.693	(0.595)	487264	51.0944	51.09

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		Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/L)
	24	Acrylonitrile	53	4.585	4.575	(0.580)	945125	266.442	266.4(Q)
	32	trans-1,2-Dichloroethene	96	5.373	5.363	(0.680)	465916	51.3494	51.35
	33	MTBE	73	5.364	5.363	(0.679)	1089845	52.2511	52.25
	34	1,1-Dichloroethane	63	5.748	5.737	(0.727)	945927	55.0429	55.04
	37	Vinyl acetate	43	5.817	5.806	(0.736)	1498591	107.003	107.0
	45	Di-isopropyl ether	45	6.112	6.102	(0.773)	2145104	53.3075	53.31
	46	cis-1,2-Dichloroethene	96	6.457	6.447	(0.817)	509648	52.0133	52.01(Q)
M	30	1,2-Dichloroethene(total)	96				975565	103.363	103.4
	43	2-Butanone	43	6.191	6.181	(0.783)	569049	110.584	110.6
	48	Bromochloromethane	128	6.733	6.723	(0.852)	245840	49.9066	49.91
	53	Tetrahydrofuran	42	6.920	6.910	(0.875)	145052	49.6165	49.62
	49	Chloroform	83	6.713	6.703	(0.849)	794353	49.6683	49.67
	27	Methyl acetate	43	4.566	4.565	(0.578)	421247	51.0218	51.02
$	51	Dibromofluoromethane	111	6.881	6.870	(0.870)	351428	32.1848	32.18
	56	1,1,1-Trichloroethane	97	7.275	7.264	(0.920)	557885	47.7549	47.75
	58	ETBE	59	6.575	6.575	(0.832)	1559375	50.7674	50.77
	59	Cyclohexane	56	7.540	7.540	(0.954)	795320	51.6048	51.60
	60	Carbon tetrachloride	117	7.609	7.609	(0.963)	442484	49.5517	49.55
$	54	1,2-Dichloroethane-d4	102	7.383	7.373	(0.934)	65697	29.6653	29.66
	61	Benzene	78	7.639	7.639	(0.966)	1623029	53.3747	53.37
	55	1,2-Dichloroethane	62	7.472	7.461	(0.945)	641816	51.3960	51.40
	50	2,2-Dichloropropane	77	6.565	6.555	(0.831)	586564	50.8897	50.89
	57	1,1-Dichloropropene	75	7.491	7.481	(0.948)	601234	51.9406	51.94(Q)
	63	tert-Amyl Methyl Ether	73	7.836	7.826	(0.991)	1170977	47.5605	47.56
	67	Trichloroethene	95	8.407	8.397	(1.064)	468582	52.7657	52.76
	66	1,2-Dichloropropane	63	8.457	8.446	(1.070)	570174	53.6172	53.62
	65	Dibromomethane	93	8.565	8.565	(1.083)	308978	51.9017	51.90
	70	Methyl methacrylate	41	7.540	7.540	(0.954)	525954	49.9605	49.96
	68	Bromodichloromethane	83	8.634	8.624	(1.092)	609481	51.1442	51.14
	71	2-Chloroethyl vinyl ether	63	8.988	8.988	(1.137)	690426	108.240	108.2
	73	tert-Amyl Ethyl Ether	59	8.722	8.712	(1.103)	1240445	49.4391	49.44
	76	cis-1,3-Dichloropropene	75	9.205	9.195	(1.164)	680512	48.6804	48.68
	77	4-Methyl-2-pentanone	43	9.126	9.126	(1.155)	1095047	105.644	105.6
$	81	Toluene-d8	98	9.609	9.599	(0.871)	994086	30.9688	30.97
	83	Toluene	92	9.678	9.678	(0.877)	885586	50.6970	50.70
	78	trans-1,3-Dichloropropene	75	9.678	9.678	(0.877)	645099	56.3582	56.36
	85	Ethyl methacrylate	69	9.865	9.865	(0.894)	534439	48.0414	48.04
	80	1,1,2-Trichloroethane	83	9.836	9.825	(0.891)	351978	49.8668	49.87
	89	Tetrachloroethene	166	10.417	10.416	(0.944)	389412	53.9299	53.93
	86	2-Hexanone	43	9.983	9.973	(0.905)	745355	99.2040	99.20
	87	Dibromochloromethane	129	10.308	10.298	(0.934)	415483	50.1757	50.18
	88	1,2-Dibromoethane	107	10.525	10.515	(0.954)	441657	50.7251	50.72
	74	Methyl cyclohexane	83	8.782	8.781	(1.111)	575445	51.4405	51.44
*	92	Chlorobenzene-d5	82	11.037	11.037	(1.000)	468372	30.0000	
	93	Chlorobenzene	112	11.077	11.066	(1.004)	1036874	51.9516	51.95
	90	1,1,1,2-Tetrachloroethane	131	11.116	11.116	(1.007)	380760	51.1703	51.17
	91	1-Chlorohexane	91	11.037	11.037	(1.000)	1063819	50.5603	50.56

Data File: \\ELABNSH05\TARGET\chem\voa5.i\042211V5.b\0422LS1.D
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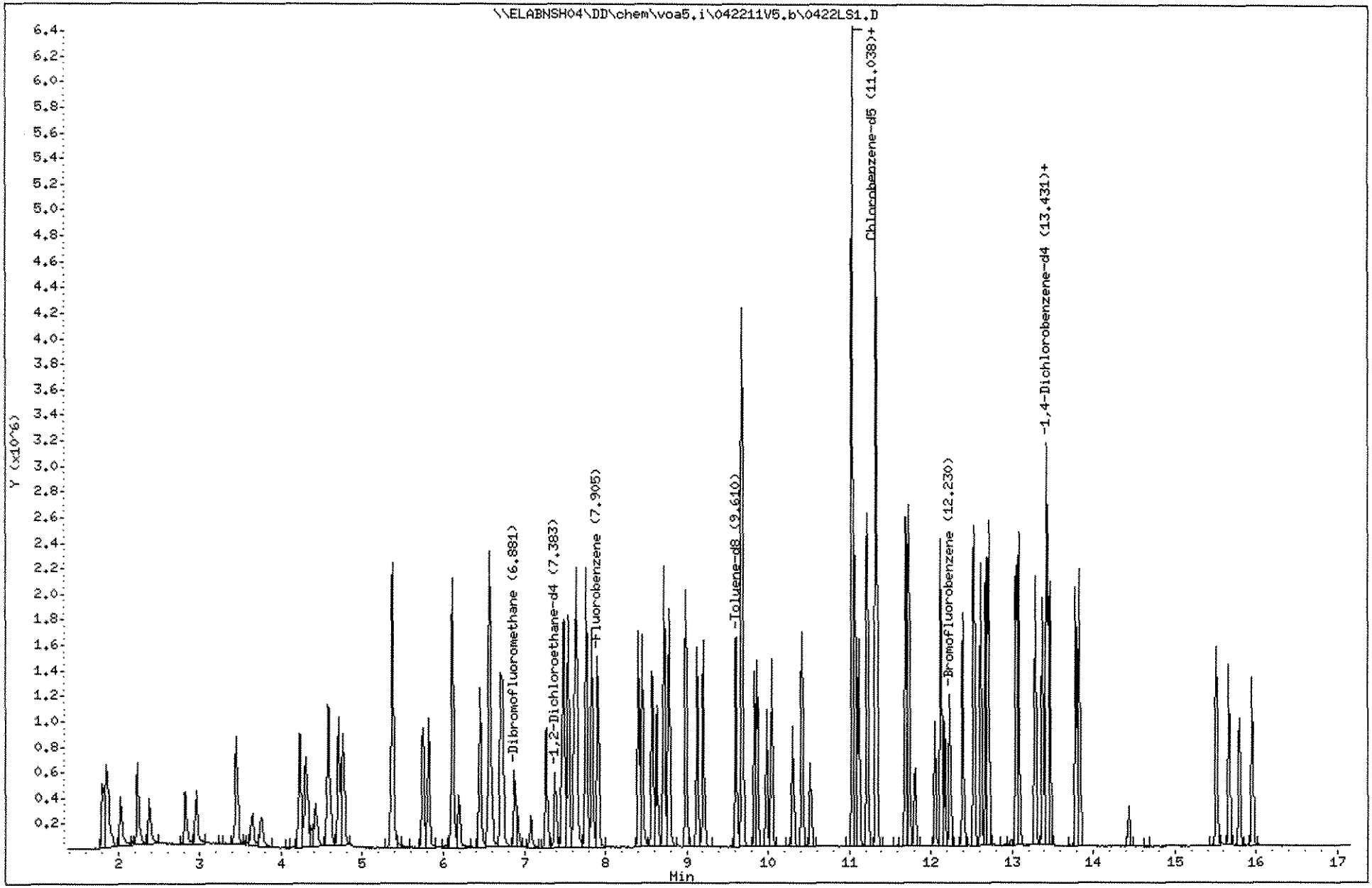
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)	
94	Ethylbenzene	91	11.224	11.214	(1.017)	1669123	52.5606	52.56	
95	m,p-Xylene	91	11.333	11.332	(1.027)	2543167	104.569	104.6	
M 107	Xylene(total)	91				3814739	153.856	153.8	
99	o-Xylene	91	11.727	11.726	(1.062)	1271571	49.2868	49.29	
97	Styrene	104	11.697	11.687	(1.060)	1052058	51.2772	51.28	
96	Bromoform	173	11.806	11.795	(1.070)	252033	44.7711	44.77	
103	Isopropylbenzene	105	12.121	12.120	(1.098)	1330759	54.6549	54.65	
$ 104	Bromofluorobenzene	95	12.229	12.229	(1.108)	394124	29.9426	29.94	
98	1,1,2,2-Tetrachloroethane	83	12.052	12.042	(0.897)	497052	53.0733	53.07	
84	1,3-Dichloropropane	76	10.042	10.042	(0.910)	639225	50.4568	50.46	
100	1,2,3-Trichloropropane	110	12.170	12.170	(1.103)	114162	45.5732	45.57	
108	n-Propylbenzene	91	12.535	12.524	(0.933)	1795624	54.9389	54.94	
113	1,3,5-Trimethylbenzene	105	12.712	12.711	(0.946)	1145995	53.4004	53.40	
111	1,2,4-Trimethylbenzene	105	13.086	13.076	(0.974)	1154019	52.8907	52.89	
114	sec-Butylbenzene	105	13.283	13.283	(0.988)	1352173	52.5585	52.56	
112	tert-Butylbenzene	119	13.057	13.046	(0.971)	1105584	52.2249	52.22	
115	1,3-Dichlorobenzene	146	13.382	13.371	(0.996)	710606	50.5264	50.53	
* 117	1,4-Dichlorobenzene-d4	152	13.441	13.431	(1.000)	394568	30.0000		(Q)
118	1,4-Dichlorobenzene	146	13.470	13.470	(1.002)	708400	47.8416	47.84	
121	n-Butylbenzene	91	13.825	13.825	(1.029)	1098881	55.5298	55.53	
120	1,2-Dichlorobenzene	146	13.786	13.785	(1.026)	675617	52.7535	52.75	
122	1,2-Dibromo-3-chloropropane	157	14.436	14.425	(1.074)	71511	48.3023	48.30	
105	Bromobenzene	156	12.397	12.396	(0.922)	432922	52.8442	52.84	
109	2-Chlorotoluene	91	12.613	12.613	(0.938)	1077637	53.3675	53.37	
110	4-Chlorotoluene	91	12.682	12.672	(0.944)	1236392	54.1873	54.19	
123	1,2,4-Trichlorobenzene	180	15.509	15.509	(1.154)	410213	52.1723	52.17	
124	Naphthalene	128	15.667	15.667	(1.166)	953707	54.6414	54.64	
119	p-Isopropyltoluene	119	13.421	13.421	(0.999)	1174175	53.2333	53.23	
125	Hexachlorobutadiene	225	15.795	15.795	(1.175)	164305	53.4649	53.46	
126	1,2,3-Trichlorobenzene	180	15.953	15.952	(1.187)	355296	52.9476	52.95	

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Data File: \\ELABNSH04\DD\chem\voa5.i\042211V5.b\0422LS1.D
Date : 22-APR-2011 07:24
Client ID: 1D22008-BS1
Instrument: voa5.i
Sample Info: 1D22008-BS1;;;;;
Purge Volume: 5.0
Operator: ADM
Column phase: RTX-VRX
Column diameter: 0.25



Data File: \\ELABNSH04\DD\chem\voa5.i\042211V5.b\0422BL1.D
Report Date: 23-Apr-2011 12:00

Laboratory Name

Data file : \\ELABNSH04\DD\chem\voa5.i\042211V5.b\0422BL1.D
Lab Smp Id: 1D22008-BLK1 Client Smp ID: 1D22008-BLK1
Inj Date : 22-APR-2011 08:38 MS Autotune Date: 28-JUL-1998 05:19
Operator : ADM Inst ID: voa5.i
Smp Info : 1D22008-BLK1;;;;;
Misc Info : ;3;;;;gm-all.sub;
Comment :
Method : \\ELABNSH04\DD\chem\voa5.i\042211V5.b\VW5SUR.m
Meth Date : 23-Apr-2011 11:58 rward Quant Type: ISTD
Cal Date : 15-APR-2011 14:26 Cal File: 0415CALA.D
Als bottle: 100 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: gm-all.sub
Target Version: 4.04
Processing Host: TARGET04_VM

Concentration Formula: Amt * DF * 5*Uf/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	unit correction factor
Vo	5.000	Volume of sample purged (mL)

MH 4/26/11

4-23-11

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
* 62 Fluorobenzene	96	7.911	7.905	(1.000)	1243244	30.0000	
$ 51 Dibromofluoromethane	111	6.886	6.870	(0.871)	346416	28.5086	28.51
$ 54 1,2-Dichloroethane-d4	102	7.379	7.373	(0.933)	73050	29.6401	29.64
$ 81 Toluene-d8	98	9.605	9.599	(0.870)	1093313	31.8681	31.87
* 92 Chlorobenzene-d5	82	11.043	11.037	(1.000)	500589	30.0000	
$ 104 Bromofluorobenzene	95	12.235	12.229	(1.108)	425023	30.2119	30.21
111 1,2,4-Trimethylbenzene	105	13.092	13.076	(0.974)	2779	0.12379	0.1238(a)
* 117 1,4-Dichlorobenzene-d4	152	13.437	13.431	(1.000)	405968	30.0000	(Q)
123 1,2,4-Trichlorobenzene	180	15.505	15.509	(1.154)	4230	0.52288	0.5229(aQ)
124 Naphthalene	128	15.673	15.667	(1.166)	13271	0.73899	0.7390(a)
126 1,2,3-Trichlorobenzene	180	15.948	15.952	(1.187)	3678	0.53272	0.5327(aQ)

QC Flag Legend

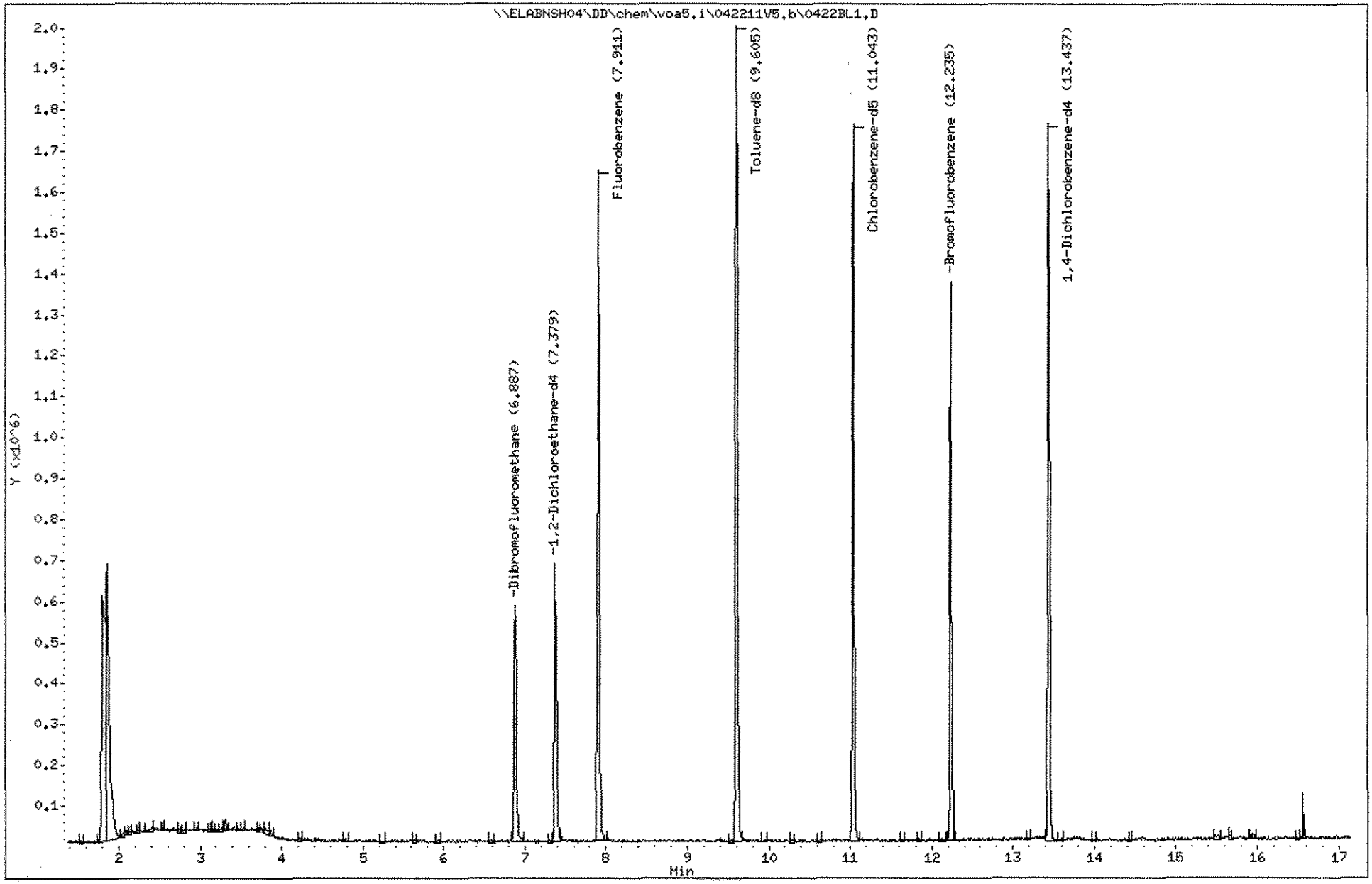
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: \\ELABNSH04\DD\chem\voa5.i\042211V5.b\0422BL1.D
Report Date: 23-Apr-2011 12:00

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Data File: \\ELABNSH04\DD\chem\voa5.i\042211V5.b\0422BL1.D
Date : 22-APR-2011 08:38
Client ID: 1D22008-BLK1
Instrument: voa5.i
Sample Info: 1D22008-BLK1;;;;;
Purge Volume: 5.0
Operator: ADM
Column phase: RTX-VRX
Column diameter: 0.25



Data File: \\ELABNSH04\DD\chem\voa5.i\042211V5.b\0422BL1.D

Date : 22-APR-2011 08:38

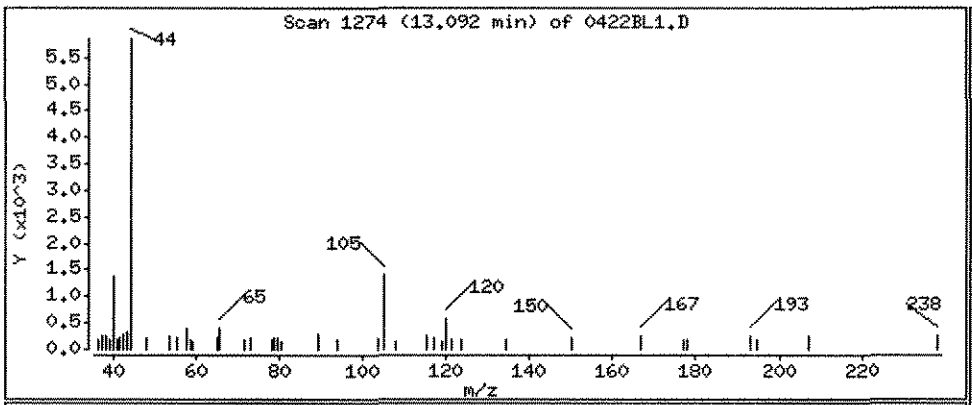
Client ID: 1D22008-BLK1 Instrument: voa5.i

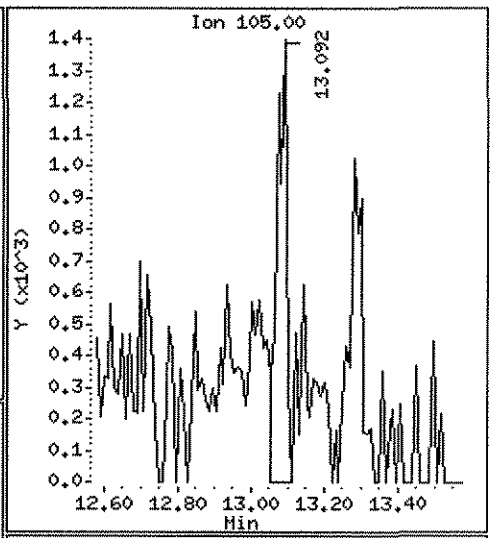
Sample Info: 1D22008-BLK1;;;;;

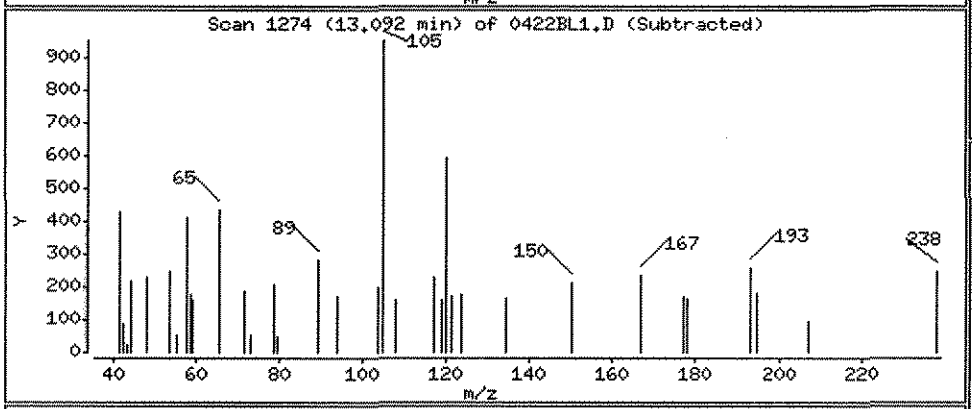
Purge Volume: 5.0 Operator: ADM

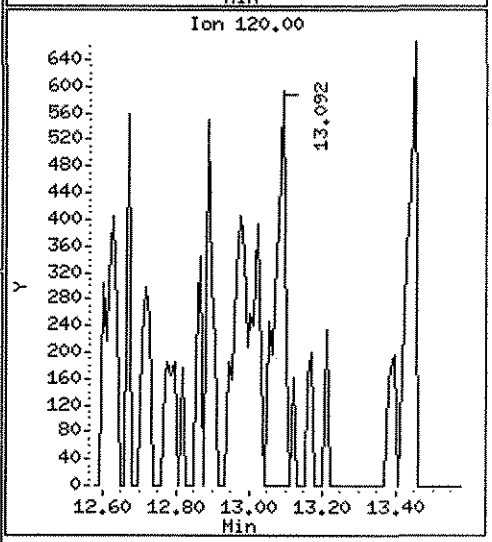
Column phase: RTX-VRX Column diameter: 0.25

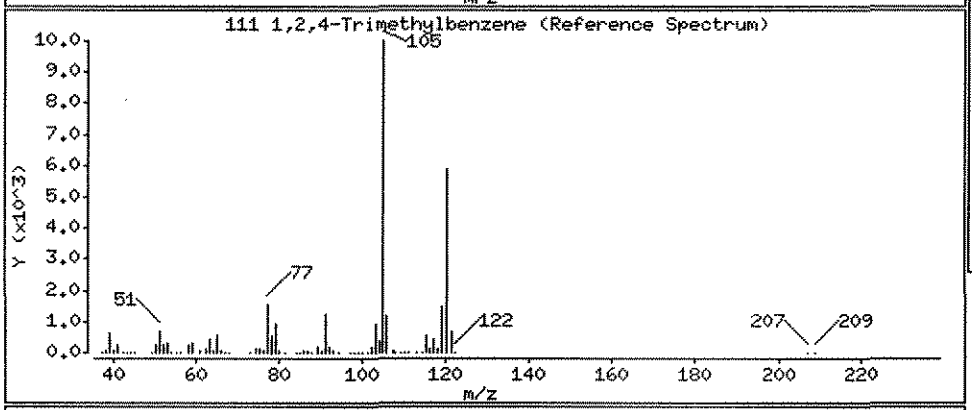
111 1,2,4-Trimethylbenzene Concentration: 0.1238 ug/L

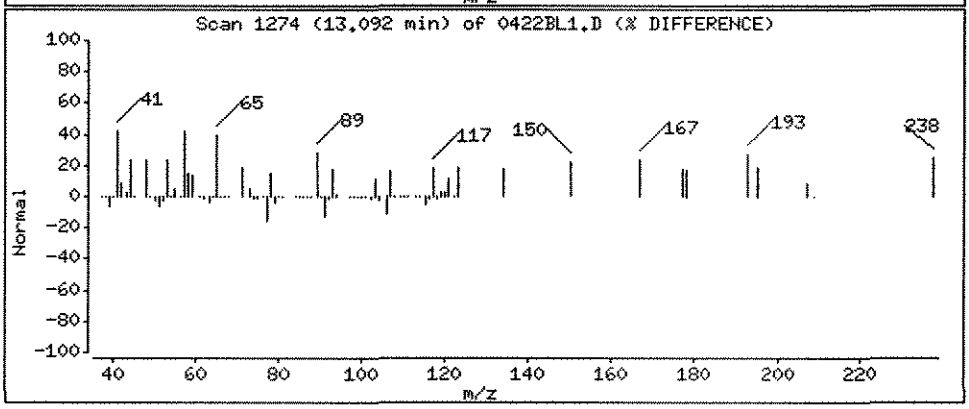












Data File: \\ELABNSH04\DD\chem\voa5.i\042211V5.b\0422BL1.D

Date : 22-APR-2011 08:38

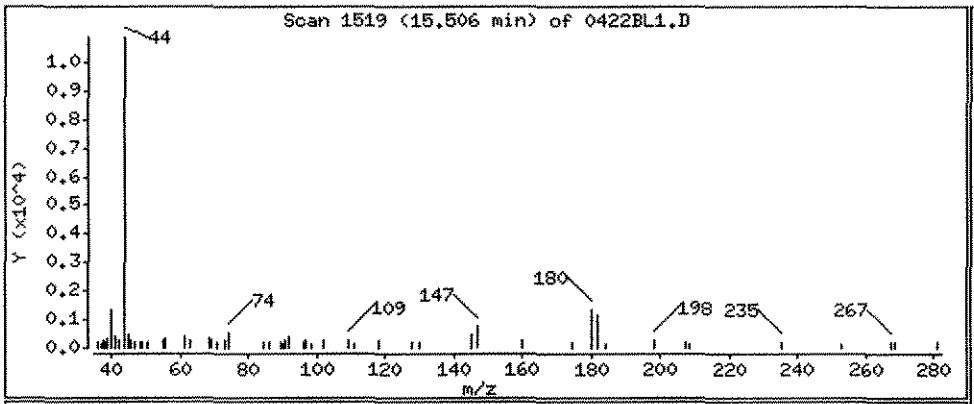
Client ID: 1D22008-BLK1 Instrument: voa5.i

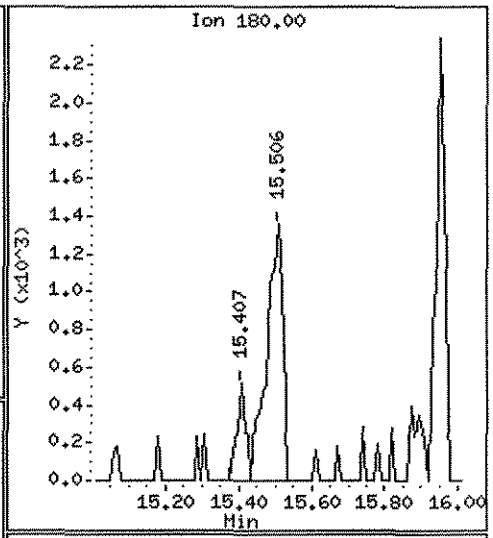
Sample Info: 1D22008-BLK1;;;;;

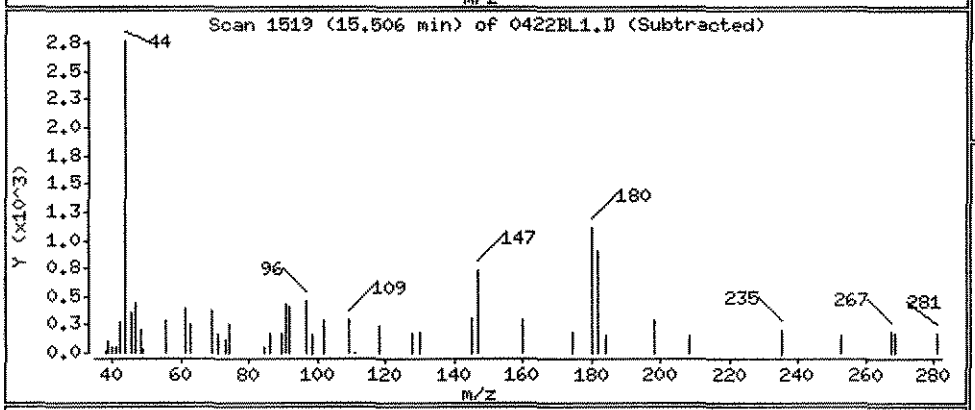
Purge Volume: 5.0 Operator: ADM

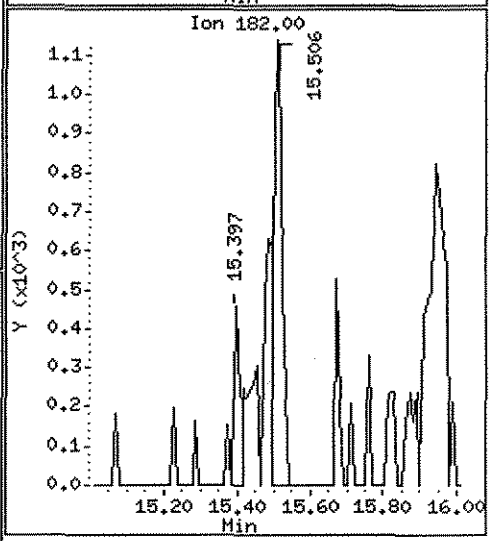
Column phase: RTX-VRX Column diameter: 0.25

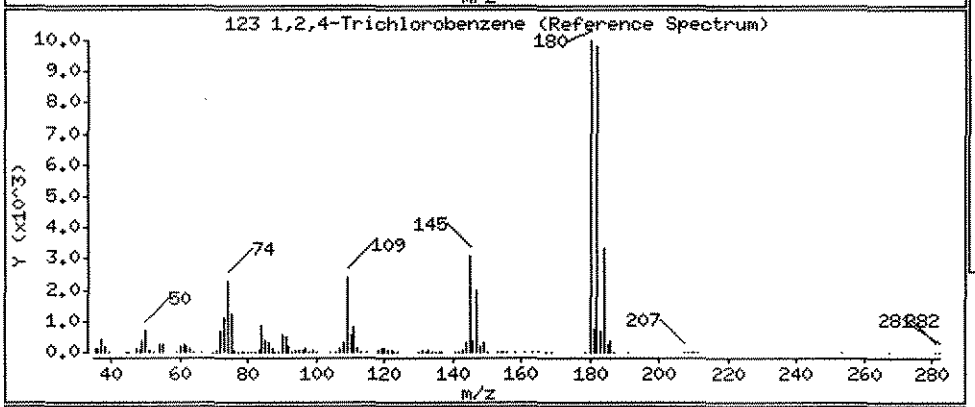
123 1,2,4-Trichlorobenzene Concentration: 0.5229 ug/L

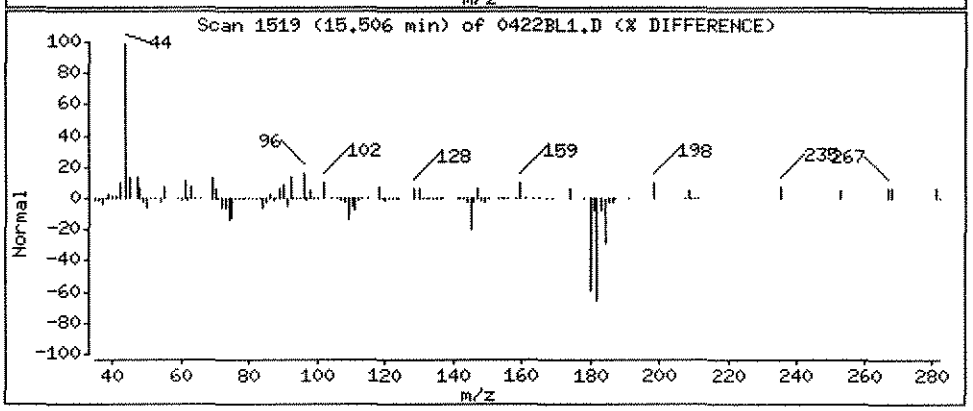












Data File: \\ELABNSH04\DD\chem\voa5.i\042211V5.b\0422BL1.D

Date : 22-APR-2011 08:38

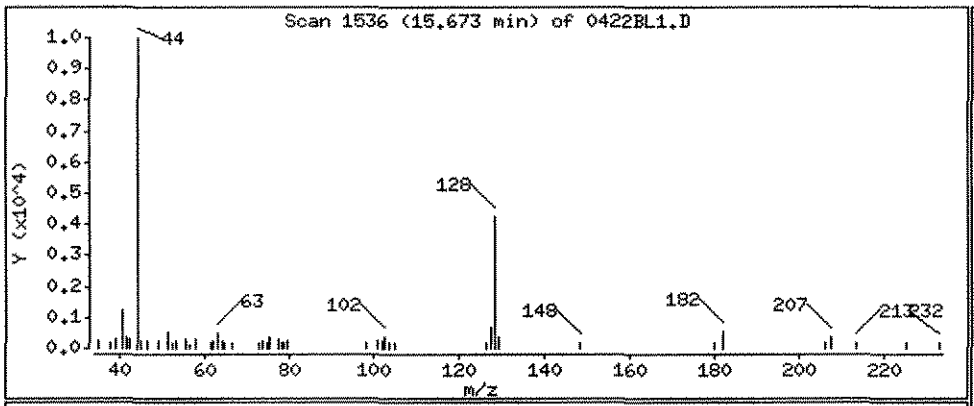
Client ID: 1D22008-BLK1 Instrument: voa5.i

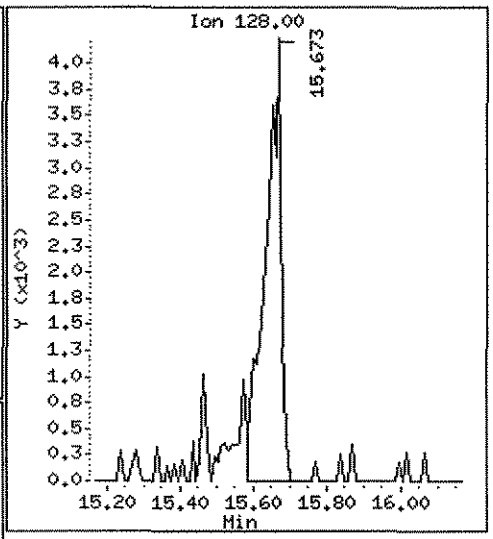
Sample Info: 1D22008-BLK1;;;;;

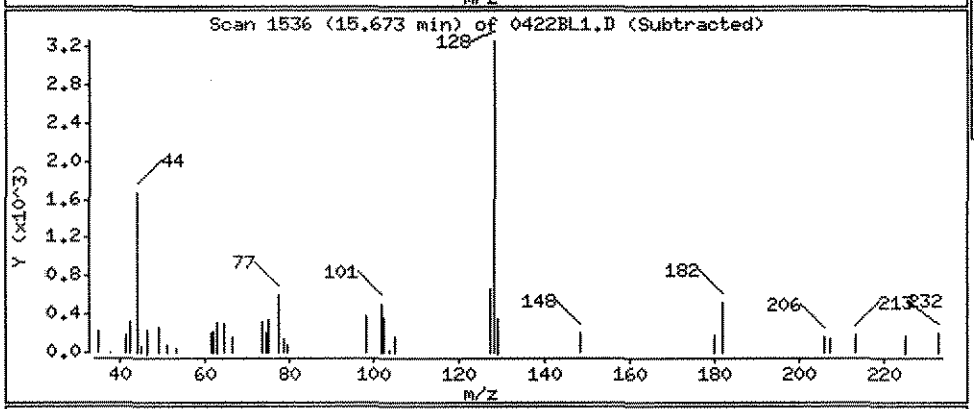
Purge Volume: 5.0 Operator: ADM

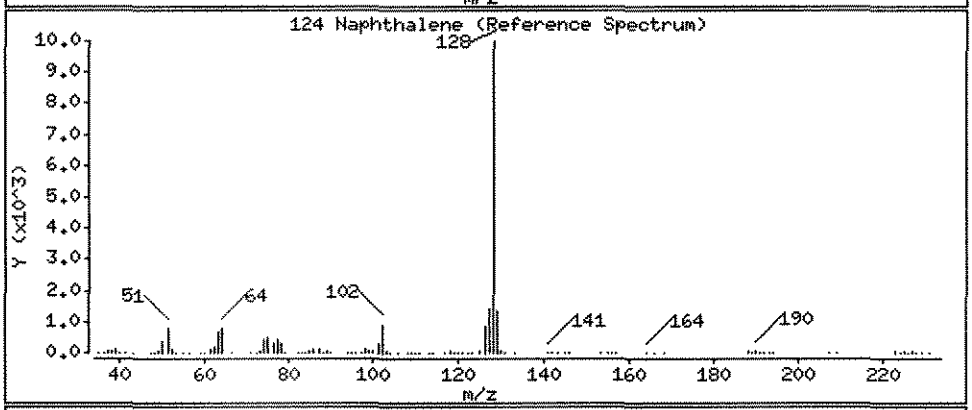
Column phase: RTX-VRX Column diameter: 0.25

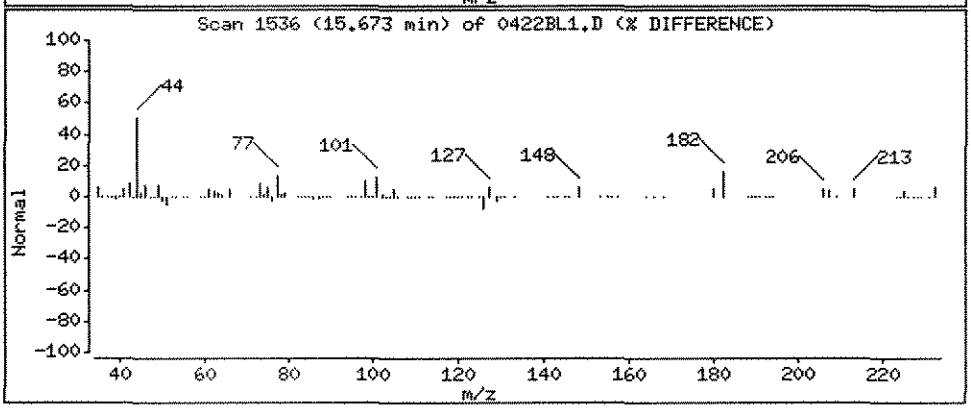
124 Naphthalene Concentration: 0.7390 ug/L











Data File: \\ELABNSH04\DD\chem\voa5.i\042211V5.b\0422BL1.D

Date : 22-APR-2011 08:38

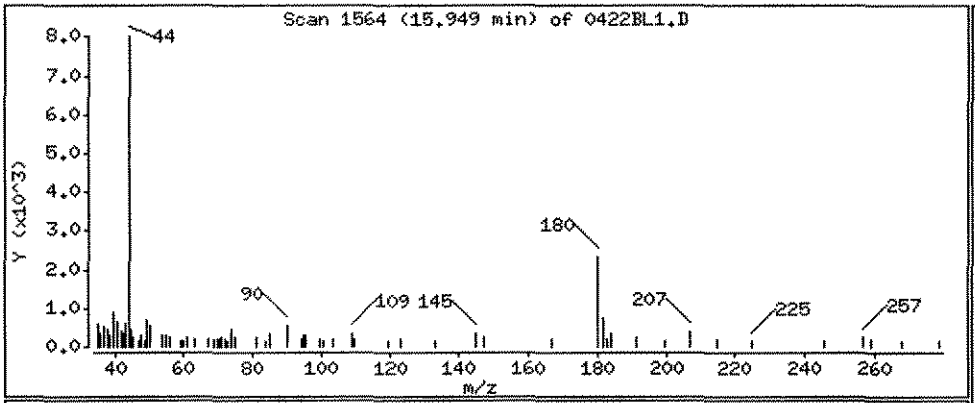
Client ID: 1D22008-BLK1 Instrument: voa5.i

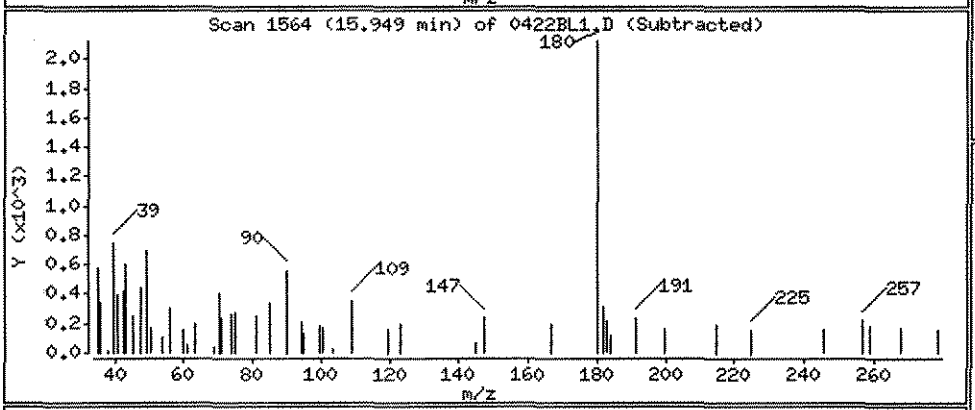
Sample Info: 1D22008-BLK1;;;;;

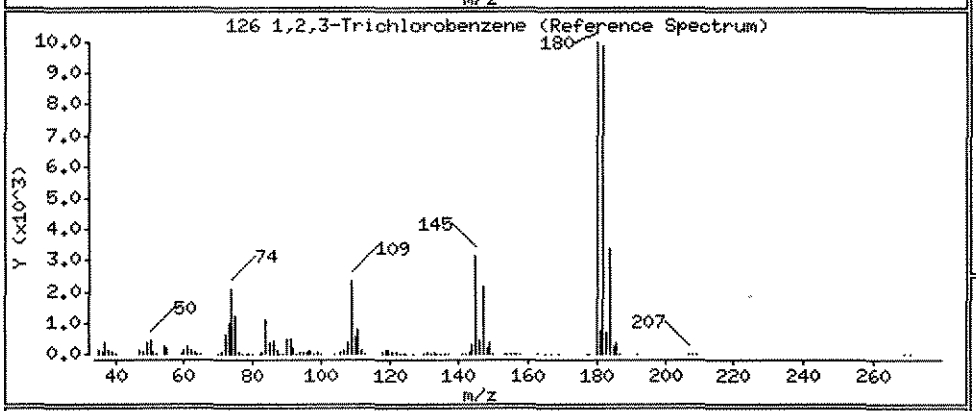
Purge Volume: 5.0 Operator: ADM

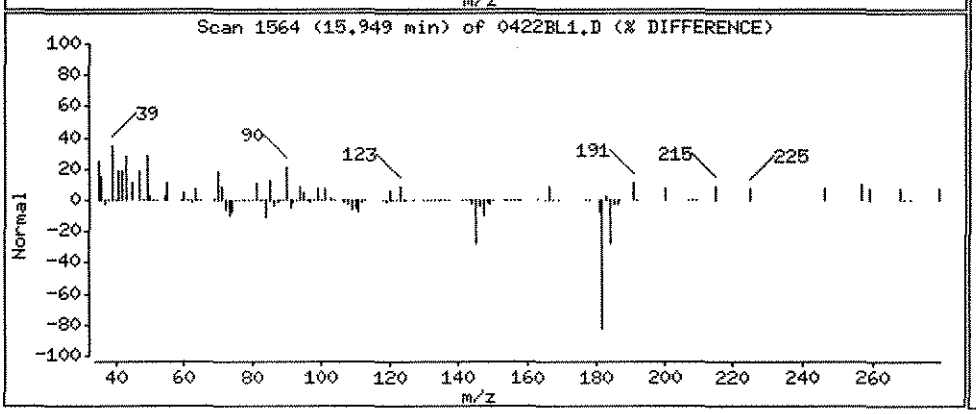
Column phase: RTX-VRX Column diameter: 0.25

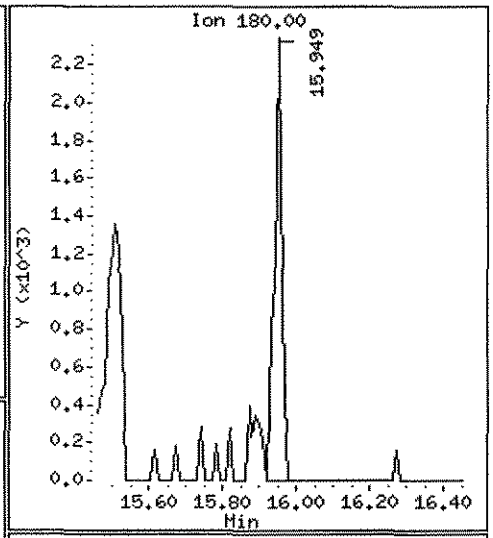
126 1,2,3-Trichlorobenzene Concentration: 0.5327 ug/L

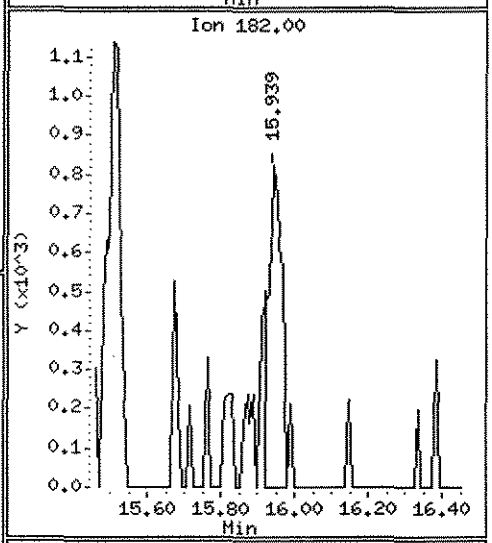


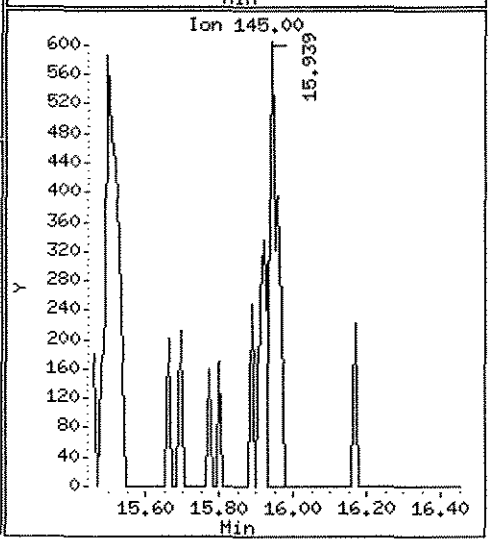












Data File: \\ELABNSH04\DD\chem\voa5.i\042211V5.b\0420711.D
Report Date: 23-Apr-2011 12:00

Laboratory Name

Data file : \\ELABNSH04\DD\chem\voa5.i\042211V5.b\0420711.D
Lab Smp Id: 1104207-11 Client Smp ID: TB04151101
Inj Date : 22-APR-2011 10:42 MS Autotune Date: 28-JUL-1998 05:19
Operator : ADM Inst ID: voa5.i
Smp Info : 1104207-11;;;;;
Misc Info : ;0;;;;gm-all.sub;
Comment :
Method : \\ELABNSH04\DD\chem\voa5.i\042211V5.b\VW5SUR.m
Meth Date : 23-Apr-2011 11:58 rward Quant Type: ISTD
Cal Date : 15-APR-2011 14:26 Cal File: 0415CALA.D
Als bottle: 8
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: gm-all.sub
Target Version: 4.04
Processing Host: TARGET04_VM

Concentration Formula: Amt * DF * 5*Uf/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	unit correction factor
Vo	5.000	Volume of sample purged (mL)

4-23-11

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
* 62 Fluorobenzene	96	7.906	7.905	(1.000)	1110759	30.0000	
14 Acetone	43	3.759	3.748	(0.475)	22180	6.27705	6.277(a)
25 Methylene chloride	84	4.704	4.693	(0.595)	66573	7.02112	7.021
$ 51 Dibromofluoromethane	111	6.881	6.870	(0.870)	311117	28.6575	28.66
$ 54 1,2-Dichloroethane-d4	102	7.374	7.373	(0.933)	65889	29.9233	29.92
$ 81 Toluene-d8	98	9.600	9.599	(0.870)	975735	32.4225	32.42
* 92 Chlorobenzene-d5	82	11.038	11.037	(1.000)	439114	30.0000	
$ 104 Bromofluorobenzene	95	12.230	12.229	(1.108)	366821	29.7251	29.72
* 117 1,4-Dichlorobenzene-d4	152	13.441	13.431	(1.000)	363867	30.0000	(Q)
124 Naphthalene	128	15.658	15.667	(1.165)	4900	0.30443	0.3044(a)
126 1,2,3-Trichlorobenzene	180	15.943	15.952	(1.186)	1278	0.20652	0.2065(aQ)

QC Flag Legend

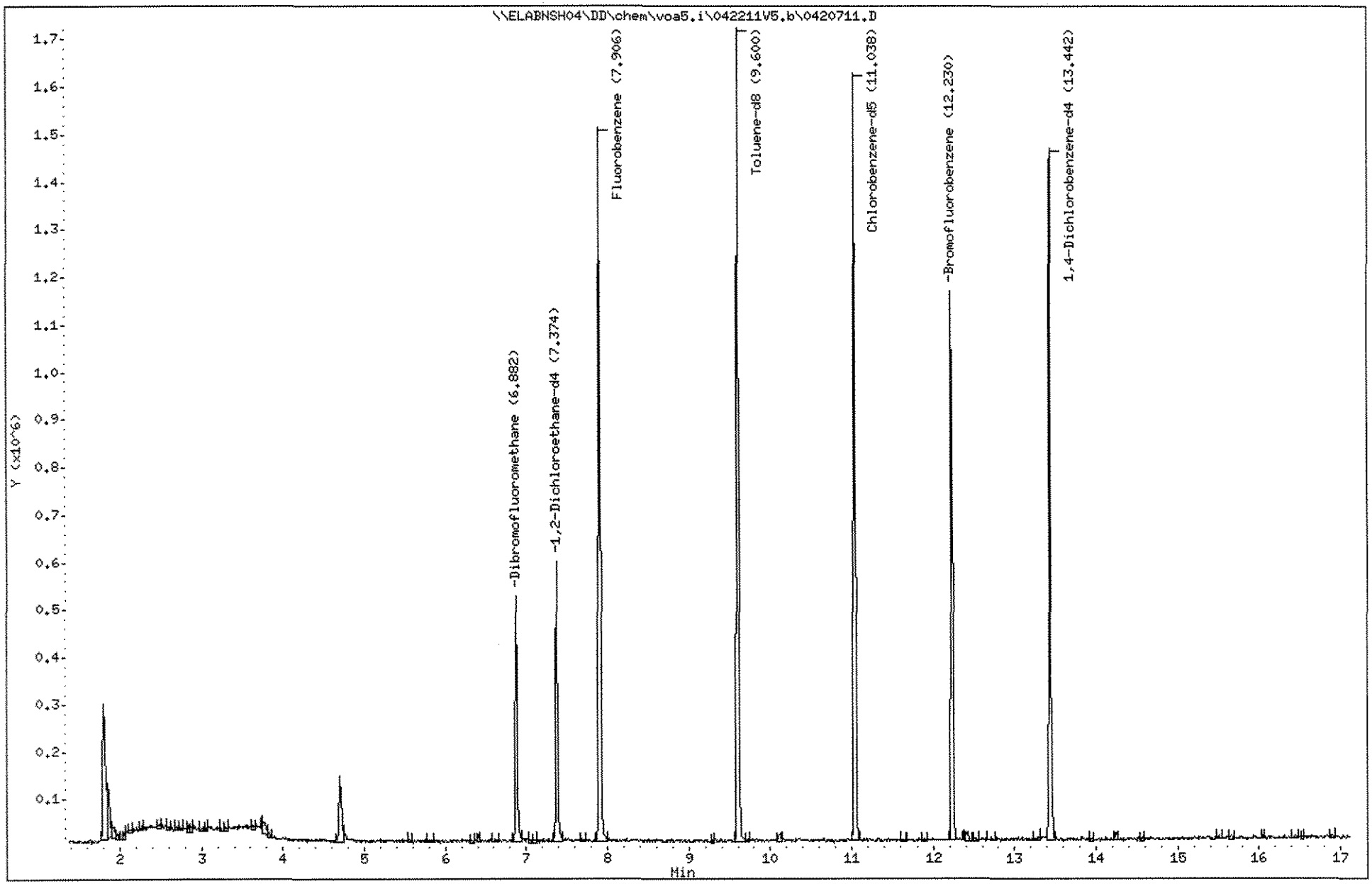
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: \\ELABNSH04\DD\chem\voa5.i\042211V5.b\0420711.D
Report Date: 23-Apr-2011 12:00

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Data File: \\ELABNSH04\DD\chem\voa5.i\042211V5.b\0420711.D
Date : 22-APR-2011 10:42
Client ID: TB04151101
Instrument: voa5.i
Sample Info: 1104207-11;;;;;
Purge Volume: 5.0
Operator: ADM
Column phase: RTX-VRX
Column diameter: 0.25



Data File: \\ELABNSH04\DD\chem\voa5.i\042211V5.b\0420711.D

Date : 22-APR-2011 10:42

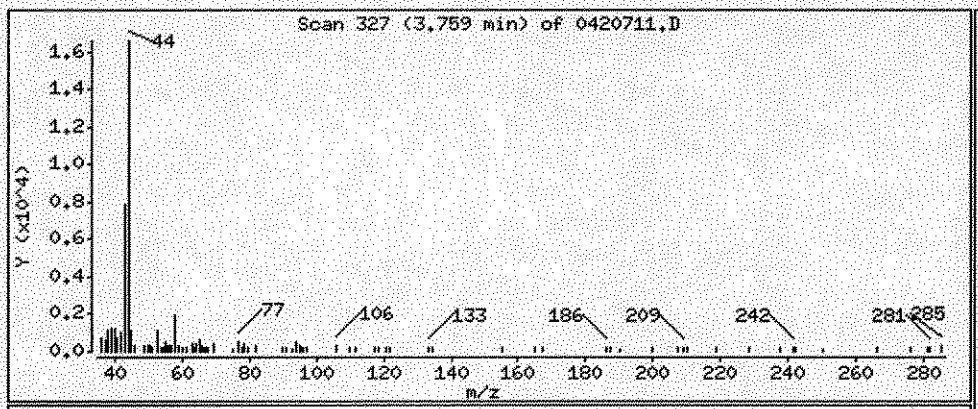
Client ID: TB04151101 Instrument: voa5.i

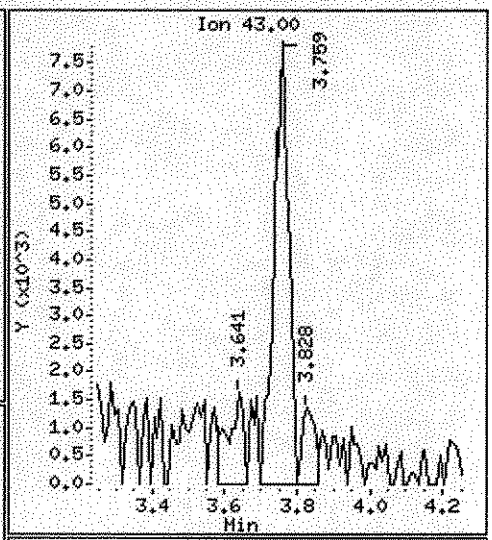
Sample Info: 1104207-11;;;;;

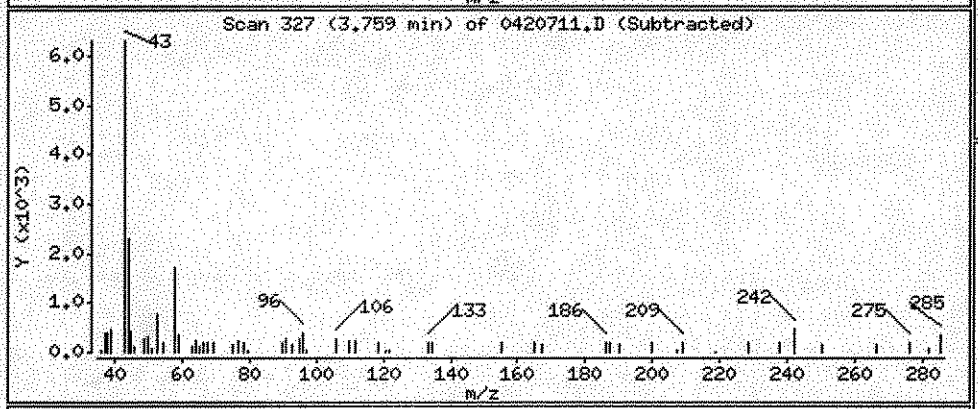
Purge Volume: 5.0 Operator: ADM

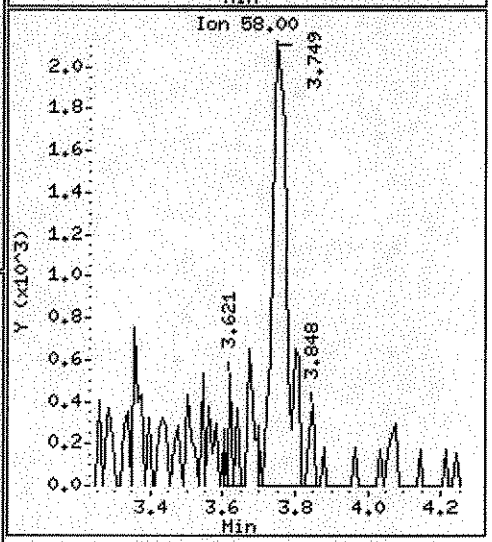
Column phase: RTX-VRX Column diameter: 0.25

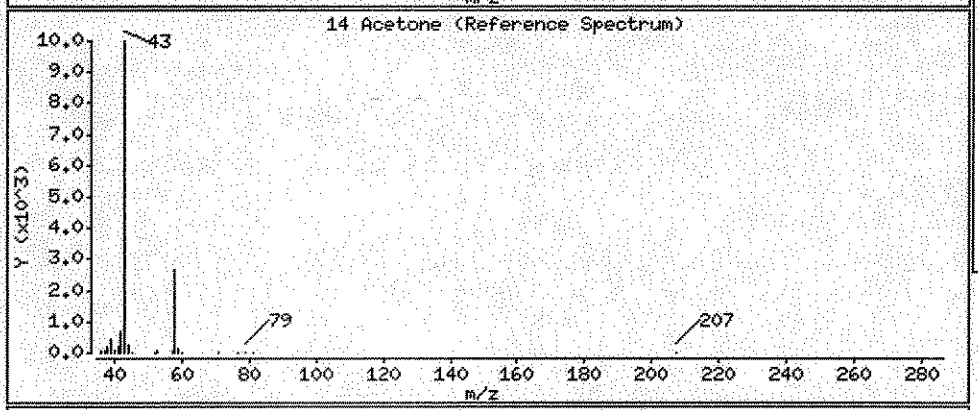
14 Acetone Concentration: 6.277 ug/L

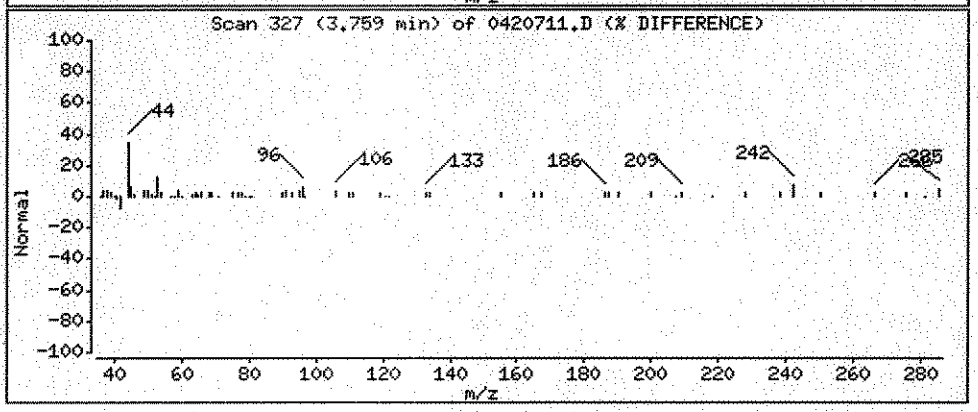












Data File: \\ELABNSH04\DD\chem\voa5.i\042211V5.b\0420711.D

Date : 22-APR-2011 10:42

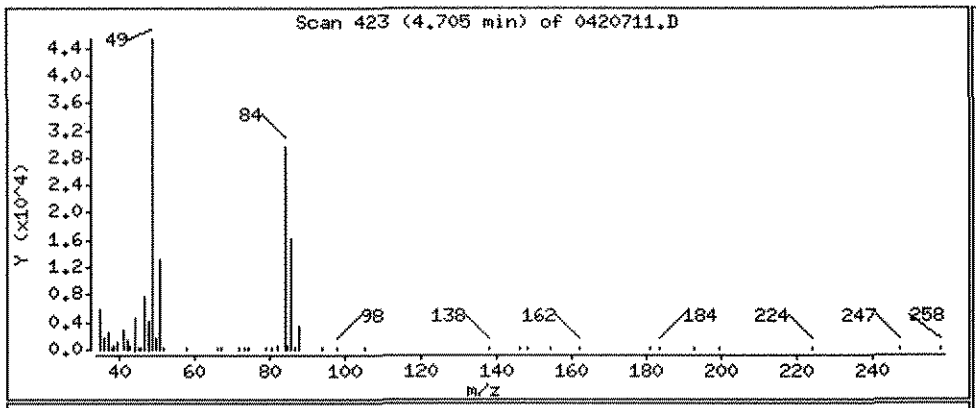
Client ID: TB04151101 Instrument: voa5.i

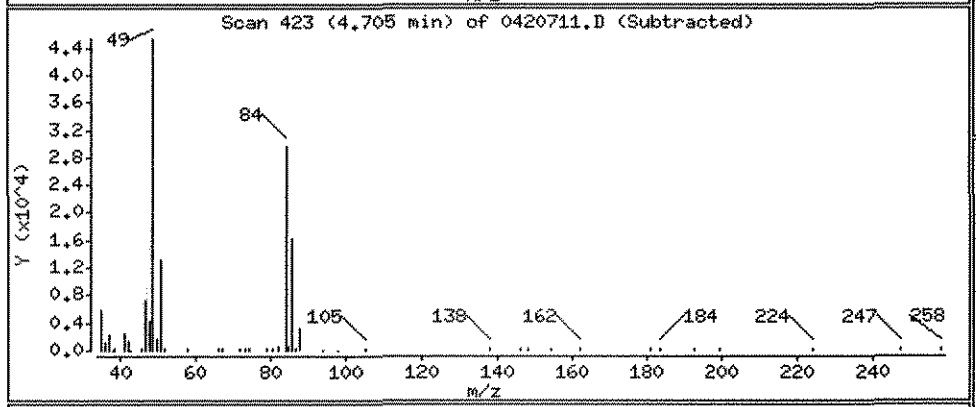
Sample Info: 1104207-11;;;;;

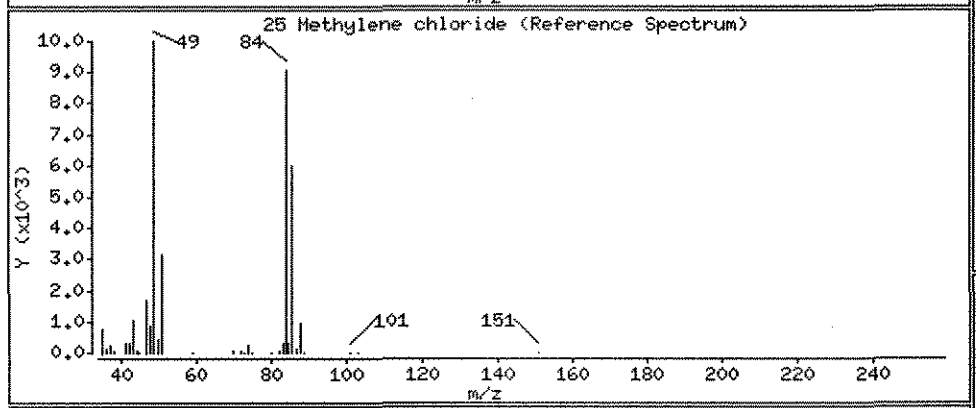
Purge Volume: 5.0 Operator: ADM

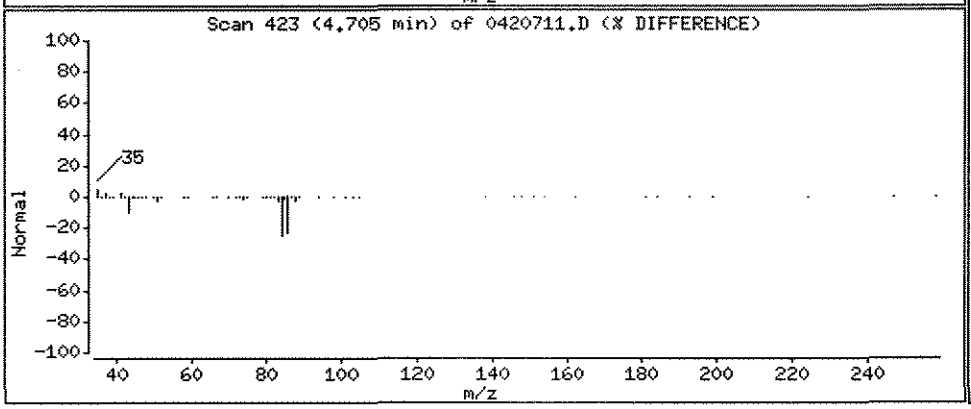
Column phase: RTX-VRX Column diameter: 0.25

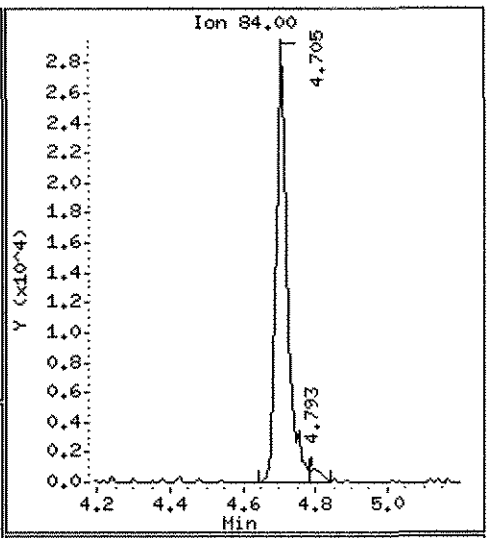
25 Methylene chloride Concentration: 7.021 ug/L

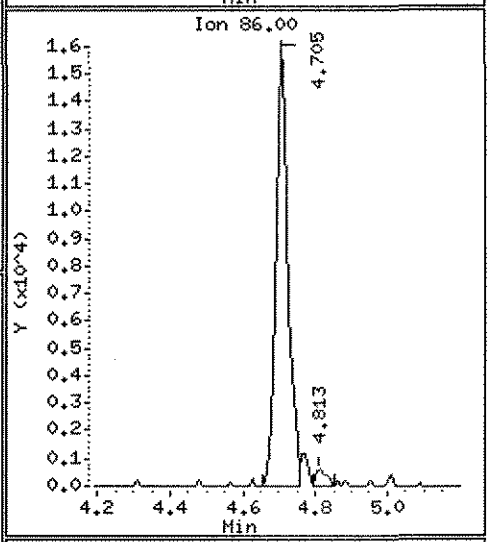


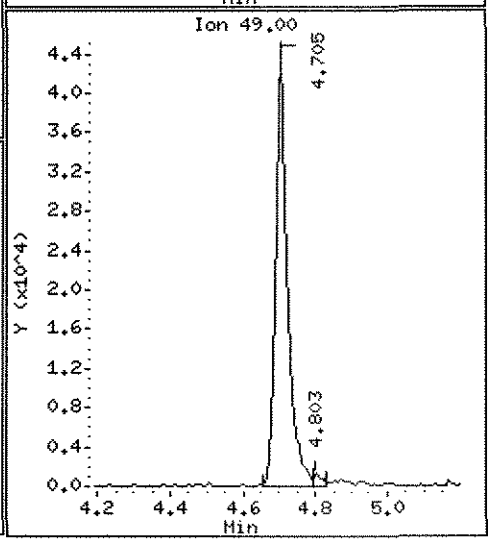












Data File: \\ELABNSH04\DD\chem\voa5.i\042211V5.b\0420711.D

Date : 22-APR-2011 10:42

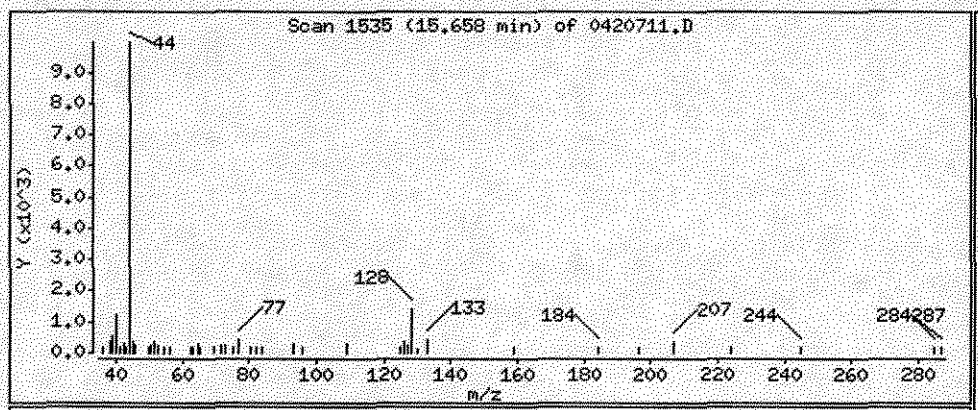
Client ID: TB04151101 Instrument: voa5.i

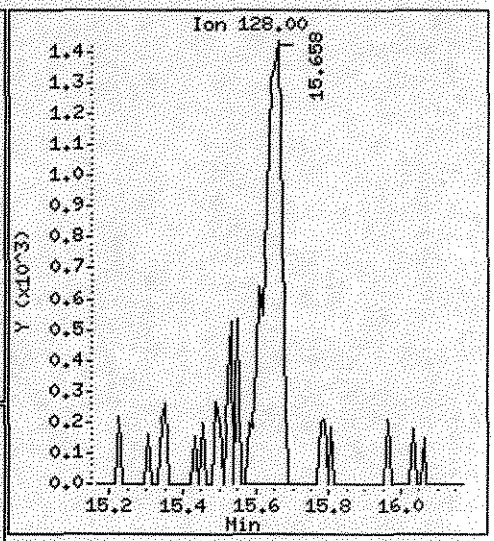
Sample Info: 1104207-11;;;;;

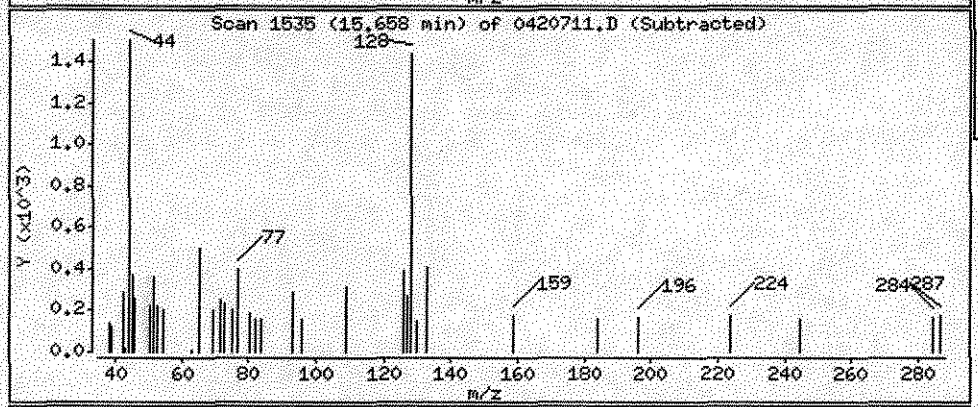
Purge Volume: 5.0 Operator: ADM

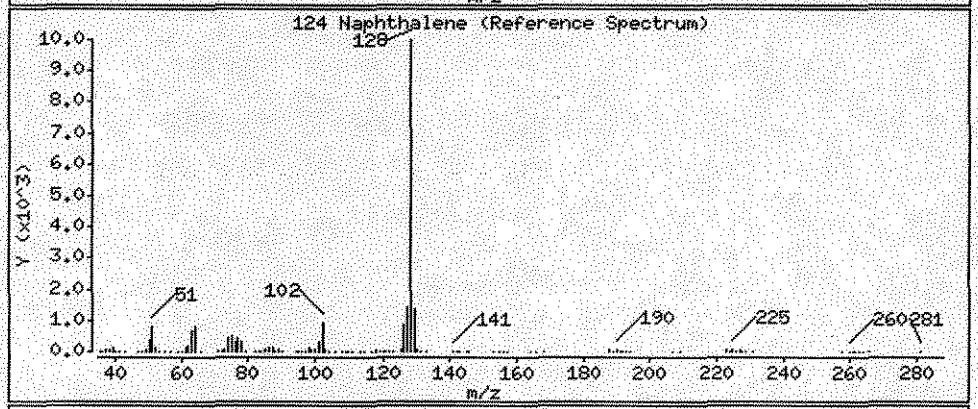
Column phase: RTX-VRX Column diameter: 0.25

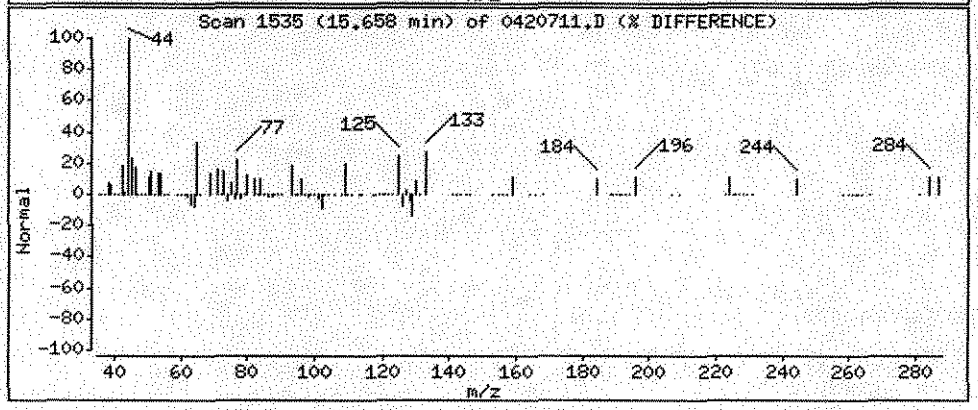
124 Naphthalene Concentration: 0.3044 ug/L











Data File: \\ELABNSH04\DD\chem\voa5.i\042211V5.b\0420711.D

Date : 22-APR-2011 10:42

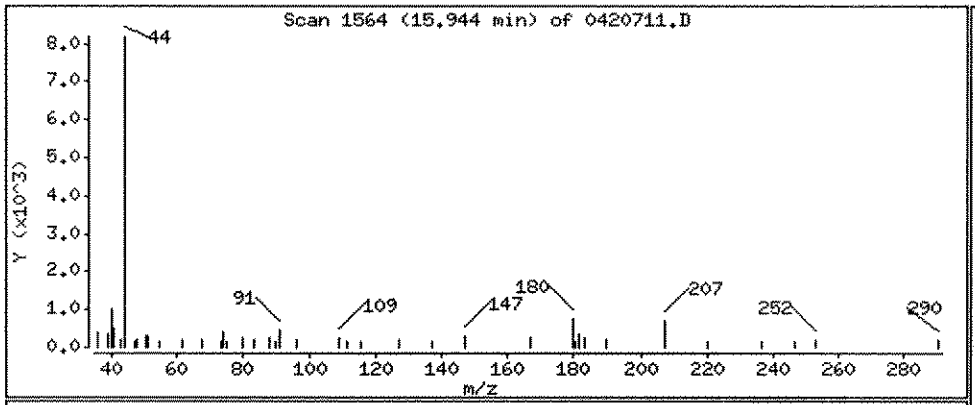
Client ID: TB04151101 Instrument: voa5.i

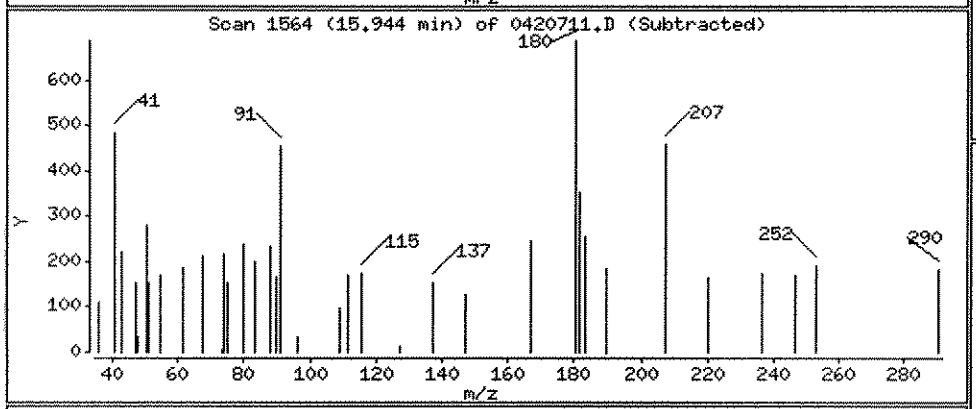
Sample Info: 1104207-11;;;;;

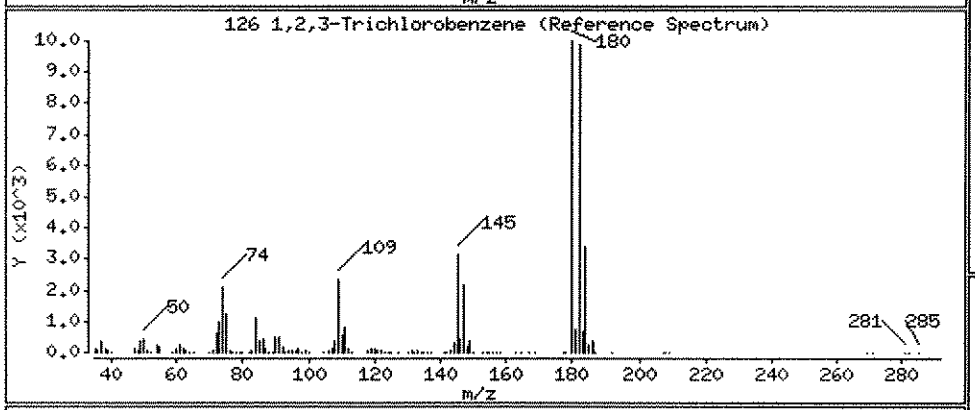
Purge Volume: 5.0 Operator: ADM

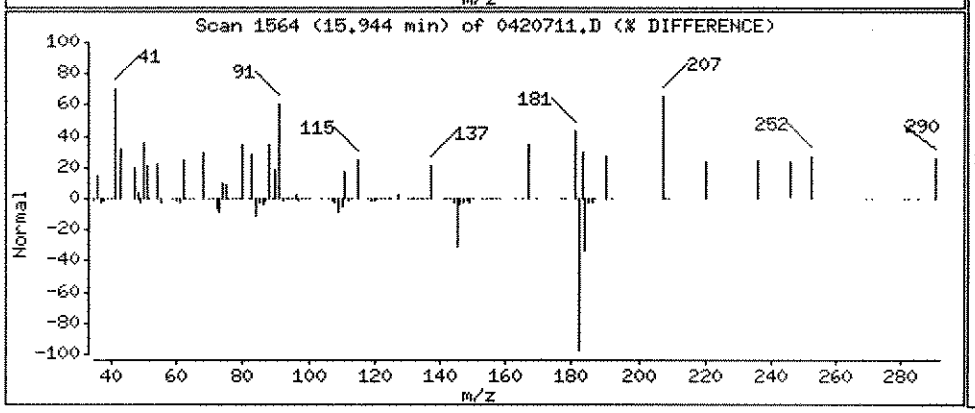
Column phase: RTX-VRX Column diameter: 0.25

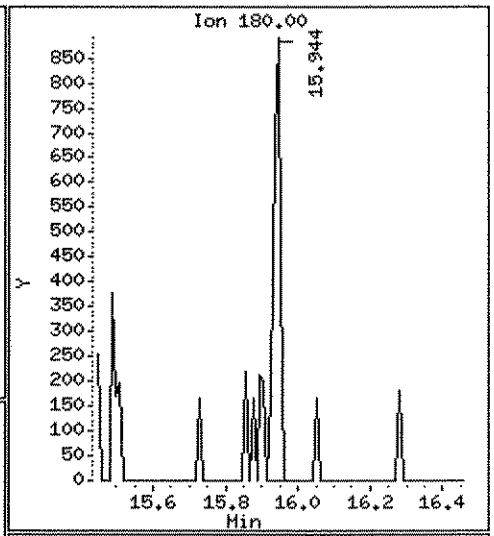
126 1,2,3-Trichlorobenzene Concentration: 0.2065 ug/L

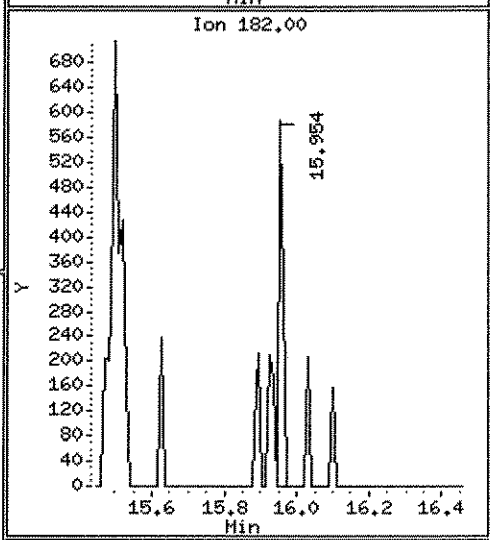


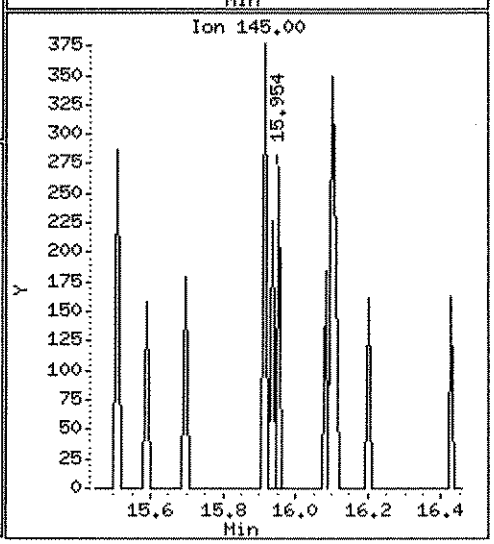












Sequence Name: C:\HPCHEM\1\SEQUENCE\042311V5.S
Comment: 8260B/6200B/624
Operator: ADM
Data Path: C:\HPCHEM\1\DATA\042311V5\
Pre-Seq Cmd:
Post-Seq Cmd:

8724

Method Sections To Run
(X) Full Method
( ) Reprocessing Only

On A Barcode Mismatch
(X) Inject Anyway
( ) Don't Inject

Line	Type	Vial	DataFile	Method	Sample Name
1	Blank	100	PREBLK1	VW5SUR	BLANK;;;;;
2	Blank	100	PREBLK2	VW5SUR	BLANK;;;;;
3	Blank	100	PREBLK3	VW5SUR	BLANK;;;;;
4	Sample	50	0423TU1	VW5SUR	SEQ-TUN1;;;;; 1053 4-23
5	DailyCal	27	0423CC1	VW5SUR	SEQ-CCV1;;;;;
6	Spike	28	0423LS1	VW5SUR	-BS1;;;;;
7	Spike	29	0423RL1	VW5SUR	SEQ-LCV1;;;;;
8	Blank	100	BLANK1	VW5SUR	BLANK;;;;;
9	Blank	100	0423BL1	VW5SUR	1D22024-BLK1;;;;;
10	Sample	30	0421004	VW5SUR	1104210-04;;;;;
11	Sample	31	0420709	VW5SUR	1104207-09;;;;;
12	Sample	32	0420703	VW5SUR	1104207-03;;;;;
13	Sample	33	0420704	VW5SUR	1104207-04;;;;;
14	Sample	34	0420705	VW5SUR	1104207-05;;;;;
15	Sample	35	0420707	VW5SUR	1104207-07;;;;;
16	Sample	36	0420708	VW5SUR	1104207-08;;;;;
17	Sample	37	0421001	VW5SUR	1104210-01;;;;;
18	Sample	38	0421002	VW5SUR	1104210-02;;;;;
19	Sample	39	0421003	VW5SUR	1104210-03;;;;;
20	Sample	40	0421103	VW5SUR	1104211-03;;;;;
21	Sample	41	0421104	VW5SUR	1104211-04;;;;;
22	Sample	42	0421107	VW5SUR	1104211-07;;;;;
23	Sample	43	0421108	VW5SUR	1104211-08;;;;;
24	Sample	44	0421101D	VW5SUR	1104211-01;25;;;;
25	Sample	45	0421102D	VW5SUR	1104211-02;10;;;;
26	Sample	46	0421105D	VW5SUR	1104211-05;10;;;;
27	Sample	47	0421106D	VW5SUR	1104211-06;5;;;;
28	Sample	48	0420901D	VW5SUR	1104209-01;10;;;;
29	Sample	49	0420706D	VW5SUR	1104207-06;10;;;;
30	Sample	1	0421002M	VW5SUR	1104210-02;;;;;
31	Sample	2	0421002S	VW5SUR	1104210-02;;;;; 2231 4-23
32	Blank	3	BLANK2	VW5SUR	BLANK;;;;;
33	Spike	4	423LS624	VW5SUR	-BS2;;;;; 624
34	Blank	5	BLANK3	VW5SUR	BLANK;;;;;
35	Blank	6	423BL624	VW5SUR	BLANK;;;;; 624
36	Sample	7	0424406	VW5SUR	1104244-06;;;;;
37	Sample	8	0424506	VW5SUR	1104245-06;;;;;
38	Sample	9	0424402D	VW5SUR	1104244-02;;;;; 5X
39	Sample	10	0424403D	VW5SUR	1104244-03;;;;; 50X
40	Sample	11	0424404D	VW5SUR	1104244-04;;;;; 5X
41	Sample	12	0424405D	VW5SUR	1104244-05;;;;; 5X
42	Sample	13	0424502D	VW5SUR	1104245-02;;;;; 5X
43	Sample	14	0424503D	VW5SUR	1104245-03;;;;; 5X

Cyntl Ld 04/28/11

pH ≤2 for all samples

pH ≤2 for some samples

Checklist visually verified
cyntl Ld
04/28/11

Last Modified: Sat Apr 23 14:05:31 2011 Page: 1

Sequence Name: C:\HPCHEM\1\SEQUENCE\042311V5.S

8725

Line	Type	Vial	DataFile	Method	Sample Name
44	Sample	15	0424504D	VW5SUR	1104245-04;;;;; 5X
45	Sample	16	0424505D	VW5SUR	1104245-05;;;;; 5X

ANALYSIS SEQUENCE

Instrument: MS-VOA5

1D11618

Printed: 4/26/2011 5:32:19PM

Calibration ID: 1110001

Lab Number	Sample Name	Analysis	Container	Order	Position	STD ID	ISTD ID	Comments
1D11618-TUN1	;3;BFB;;;all.sub;	QC		1		11D0087		
1D11618-CCV1	;3;BFB;;;all.sub;	QC		2		11D0481	11A0563	
1D22024-BS1	LCS	QC		3			11A0563	
1D22024-BLK1	Blank	QC		4			11A0563	
1104210-04	Trip Blank	VOC_8260B_REG	B	5			11A0563	BTEX & MTBE
1104207-09	FB04151101	VOC_8260B_REG	B	6			11A0563	
1104207-03	OLF54 MW14D	VOC_8260B_REG	B	7			11A0563	
1104207-04	FD04151101	VOC_8260B_REG	B	8			11A0563	
1104207-05	OLF54 MW31S	VOC_8260B_REG	C	9			11A0563	
1104207-07	OLF54 MW02D	VOC_8260B_REG	B	10			11A0563	
1104207-08	OLF54 MW03S	VOC_8260B_REG	B	11			11A0563	
1104210-01	PT-GW-1343-MW06S-201104	VOC_8260B_REG	B	12			11A0563	BTEX & MTBE
1104210-02	PT-GW-1343-MW02S-201104	VOC_6200B	B	13			11A0563	BatchQC
1104210-02	PT-GW-1343-MW02S-201104	VOC_624	B	13			11A0563	BatchQC
1104210-02	PT-GW-1343-MW02S-201104	VOC_8260B_REG	B	13			11A0563	BTEX & MTBE, MS/MSD
1104210-03	PT-GW-1343-MW05S-201104	VOC_8260B_REG	B	14			11A0563	BTEX & MTBE
1104211-03	MW-2	VOC_6200B	D	15			11A0563	
1104211-07	MW-6	VOC_6200B	A	16			11A0563	
1104211-08	MW-7	VOC_6200B	A	17			11A0563	
1104211-01	MW-1	VOC_6200B	C	18			11A0563	
1104211-02	MW-1A	VOC_6200B	D	19			11A0563	
1104211-05	MW-4	VOC_6200B	A	20			11A0563	
1104211-06	MW-5	VOC_6200B	A	21			11A0563	
1104209-01	MW-2	VOC_6200B	B	22			11A0563	
1104207-06	OLF54 MW29D	VOC_8260B_REG	B	23			11A0563	

Samples Loaded By _____ Date _____

Data Processed By _____ Date _____

167

CTOJM29_002

ANALYSIS SEQUENCE

Instrument: MS-VOA5

1D11618

Printed: 4/26/2011 5:32:19PM

Calibration ID: 1110001

Lab Number	Sample Name	Analysis	Container	Order	Position	STD ID	ISTD ID	Comments
1D22024-MS1	Matrix Spike	QC		24			11A0563	
1D22024-MSD1	Matrix Spike Dup	QC		25			11A0563	
1D22024-BS2	LCS	QC		26			11A0563	
1D22024-BLK2	Blank	QC		27			11A0563	
1104244-06	TRIP BLANK	VOC_624	A	28			11A0563	
1104245-06	TRIPBLANK	VOC_624	A	29			11A0563	
1104244-02	AKZO OPCSF GRAB A-1	VOC_624	A	30			11A0563	
1104244-03	AKZO OPCSF GRAB A-2	VOC_624	A	31			11A0563	
1104244-04	AKZO OPCSF GRAB A-3	VOC_624	A	32			11A0563	
1104244-05	AKZO OPCSF GRAB A-4	VOC_624	A	33			11A0563	
1104245-02	HA IND GRAB N-1	VOC_624	A	34			11A0563	
1104245-03	HA IND GRAB N-2	VOC_624	A	35			11A0563	
1104245-04	HA IND GRAB N-3	VOC_624	A	36			11A0563	
1104245-05	HA IND GRAB N-4	VOC_624	A	37			11A0563	

Samples Loaded By Date

Data Processed By Date

168

CTOJM29_002

Data File: \\ELABNSH04\DD\chem\voa5.i\042311V5.b\0423TU1.D

Date : 23-APR-2011 10:53

Client ID:

Instrument: voa5.i

Sample Info: SEQ-TUN1;;;;;

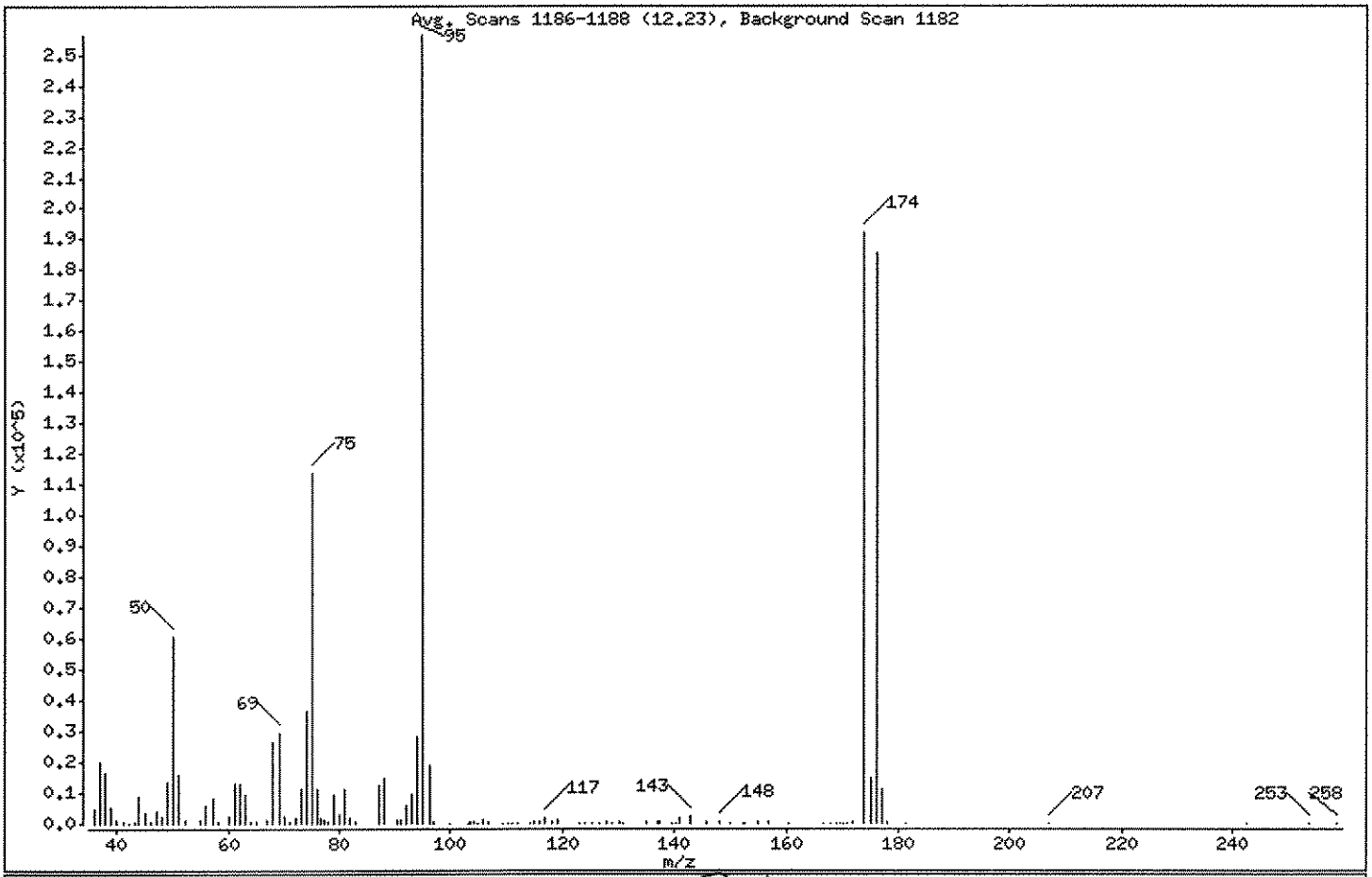
Volume Injected (uL): 1.0

Operator: ADM

Column phase: RTX-VRX

Column diameter: 0.25

1 bfb



4-28-11

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	23.78
75	30.00 - 60.00% of mass 95	44.28
96	5.00 - 9.00% of mass 95	7.27
173	Less than 2.00% of mass 174	0.00 (0.00)
174	Greater than 50.00% of mass 95	74.95
175	5.00 - 9.00% of mass 174	5.84 (7.79)
176	95.00 - 101.00% of mass 174	72.40 (96.60)
177	5.00 - 9.00% of mass 176	4.31 (5.96)

04/25/11

Data File: \\ELABNSH04\DD\chem\voa5.i\042311V5.b\0423TU1.D

Date : 23-APR-2011 10:53

Client ID: Instrument: voa5.i

Sample Info: SEQ-TUN1;;;;;

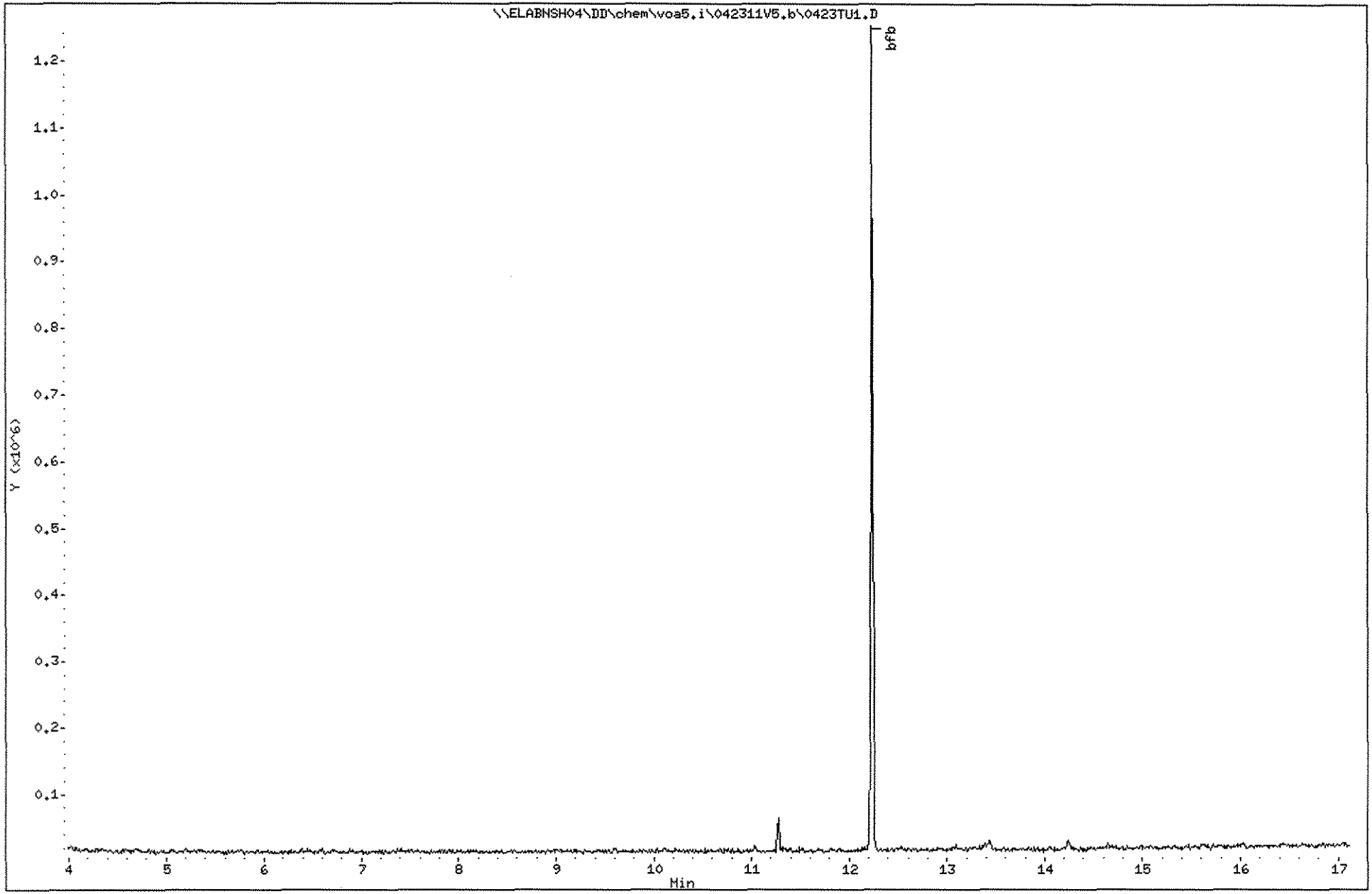
Volume Injected (uL): 1.0 Operator: ADM

Column phase: RTX-VRX Column diameter: 0.25

Data File: 0423TU1.D
Spectrum: Avg. Scans 1186-1188 (12.23), Background Scan 1182
Location of Maximum: 95.05
Number of points: 112

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	4674	69.10	29488	104.05	509	145.90	454
37.00	20256	70.10	2229	104.65	256	148.00	737
38.00	16552	71.15	308	105.85	1135	150.10	189
39.05	5524	72.05	1484	106.75	352	152.15	189
40.05	1218	73.05	10925	109.15	152	152.75	218
41.15	476	74.05	36536	110.25	269	154.95	345
42.15	167	75.05	113480	110.95	274	156.75	336
43.15	597	76.05	11254	112.00	170	160.50	178
43.95	8890	76.75	1742	114.30	207	166.80	208
45.05	3792	77.25	945	114.90	442	168.05	250
46.15	635	77.95	881	115.70	702	169.05	240
47.10	4175	78.90	9410	116.90	1690	169.65	292
47.90	2168	80.00	3177	118.00	664	170.35	266
49.00	13543	81.00	11337	119.00	1353	170.85	249
50.00	60944	81.80	1979	123.05	178	171.95	754
51.00	15788	82.90	297	123.95	159	173.95	192064
52.20	938	87.00	12109	125.15	267	175.05	14970
54.95	1147	87.95	14810	126.65	186	175.95	185536
55.95	5709	90.45	1111	127.70	558	177.00	11057
57.05	8359	90.95	960	128.80	159	178.10	313
58.05	598	92.05	6128	130.00	862	181.20	160
60.05	2469	93.05	9242	130.70	288	207.05	195
61.05	12933	94.05	28032	135.10	531	242.40	150
61.95	12795	95.05	256256	137.05	480	253.65	153
63.00	9510	96.10	18624	137.45	329	258.50	245
64.10	583	97.00	702	139.75	251		
64.90	435	99.90	213	140.15	187		
67.00	1272	103.00	206	140.95	1489		
68.00	26272	103.55	699	142.95	2269		

Data File: \\ELABNSH04\DD\chem\voa5.i\042311V5.b\0423TU1.D
Date : 23-APR-2011 10:53
Client ID:
Instrument: voa5.i
Sample Info: SEQ-TUN1;;;;;
Volume Injected (uL): 1.0
Operator: ADM
Column phase: RTX-VRX
Column diameter: 0.25



CTOJM29_002

Data File: \\ELABNSH04\DD\chem\voa5.i\042311V5.b\0423CC1.D
Report Date: 25-Apr-2011 09:06

Laboratory Name

Data file : \\ELABNSH04\DD\chem\voa5.i\042311V5.b\0423CC1.D
Lab Smp Id: SEQ-CCV1 Client Smp ID: SEQ-CCV1
Inj Date : 23-APR-2011 11:18 MS Autotune Date: 28-JUL-1998 05:19
Operator : ADM Inst ID: voa5.i
Smp Info : SEQ-CCV1;;;;;
Misc Info : ;3;BFB;;;all.sub;
Comment :
Method : \\ELABNSH04\DD\chem\voa5.i\042311V5.b\VW5SUR.m
Meth Date : 25-Apr-2011 09:06 mnelson Quant Type: ISTD
Cal Date : 15-APR-2011 14:26 Cal File: 0415CALA.D
Als bottle: 27 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: gm-all.sub
Target Version: 4.04
Processing Host: TARGET03_VM

Concentration Formula: Amt * DF * 5*Uf/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	unit correction factor
Vo	5.000	Volume of sample purged (mL)

04/25/11

4-28-11

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
* 62 Fluorobenzene	96	7.906	7.906	(1.000)	1251343	30.0000	
1 Dichlorodifluoromethane	85	2.015	2.015	(0.255)	1338753	100.000	104.5
2 Chloromethane	50	2.232	2.232	(0.282)	1882664	100.000	95.11
4 Vinyl chloride	62	2.370	2.370	(0.300)	850041	100.000	81.80
7 Bromomethane	94	2.813	2.813	(0.356)	774653	100.000	75.55
8 Chloroethane	64	2.941	2.941	(0.372)	1008769	100.000	95.83
11 Trichlorofluoromethane	101	3.444	3.444	(0.436)	1768261	100.000	104.9
15 t-Butyl alcohol	59	4.369	4.369	(0.553)	505051	500.000	554.2
16 tert-Amyl alcohol	59	7.078	7.078	(0.895)	366153	500.000	501.1
26 Trichlorotrifluoroethane	101	4.300	4.300	(0.544)	995909	100.000	115.2
10 Acrolein	56	3.631	3.631	(0.459)	598194	500.000	317.2
22 1,1-Dichloroethene	96	4.222	4.222	(0.534)	956135	100.000	104.6(Q)
14 Acetone	43	3.749	3.749	(0.474)	846253	200.000	212.6
23 Iodomethane	142	4.419	4.419	(0.559)	1095896	100.000	88.50
29 Carbon disulfide	76	4.754	4.754	(0.601)	3081341	100.000	109.0
25 Methylene chloride	84	4.704	4.704	(0.595)	1086544	100.000	101.7

Data File: \\ELABNSH04\DD\chem\voa5.i\042311V5.b\0423CC1.D
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		Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
	24	Acrylonitrile	53	4.576	4.576	(0.579)	2103029	500.000	529.3(Q)
	32	trans-1,2-Dichloroethene	96	5.364	5.364	(0.679)	1013421	100.000	99.71
	33	MTBE	73	5.364	5.364	(0.679)	2610096	100.000	111.7
	34	1,1-Dichloroethane	63	5.739	5.739	(0.726)	2047950	100.000	106.4
	37	Vinyl acetate	43	5.808	5.808	(0.735)	3334212	200.000	212.5
	45	Di-isopropyl ether	45	6.113	6.113	(0.773)	4890253	100.000	108.5
	46	cis-1,2-Dichloroethene	96	6.448	6.448	(0.816)	1101631	100.000	100.4(Q)
M	30	1,2-Dichloroethene(total)	96				2115052	200.000	200.1
	43	2-Butanone	43	6.182	6.182	(0.782)	1283109	200.000	222.6
	48	Bromochloromethane	128	6.734	6.734	(0.852)	560192	100.000	101.5
	53	Tetrahydrofuran	42	6.911	6.911	(0.874)	356487	100.000	108.2
	49	Chloroform	83	6.704	6.704	(0.848)	1763113	100.000	98.42
	27	Methyl acetate	43	4.566	4.566	(0.578)	1023192	100.000	110.0
$	51	Dibromofluoromethane	111	6.871	6.871	(0.869)	388344	30.0000	31.75
	56	1,1,1-Trichloroethane	97	7.265	7.265	(0.919)	1312577	100.000	100.3
	58	ETBE	59	6.576	6.576	(0.832)	3540964	100.000	102.9
	59	Cyclohexane	56	7.541	7.541	(0.954)	1805205	100.000	104.6
	60	Carbon tetrachloride	117	7.610	7.610	(0.963)	1047328	100.000	104.7
$	54	1,2-Dichloroethane-d4	102	7.374	7.374	(0.933)	79013	30.0000	31.85
	61	Benzene	78	7.640	7.640	(0.966)	3582594	100.000	105.2
	55	1,2-Dichloroethane	62	7.462	7.462	(0.944)	1491413	100.000	106.6
	50	2,2-Dichloropropane	77	6.556	6.556	(0.829)	1377985	100.000	106.7
	57	1,1-Dichloropropene	75	7.482	7.482	(0.946)	1336999	100.000	103.1(Q)
	63	tert-Amyl Methyl Ether	73	7.827	7.827	(0.990)	2829394	100.000	102.6
	67	Trichloroethene	95	8.398	8.398	(1.062)	1035030	100.000	104.0
	66	1,2-Dichloropropane	63	8.447	8.447	(1.069)	1218058	100.000	102.3
	65	Dibromomethane	93	8.566	8.566	(1.083)	694893	100.000	104.2
	70	Methyl methacrylate	41	7.541	7.541	(0.954)	1227396	100.000	104.1
	68	Bromodichloromethane	83	8.625	8.625	(1.091)	1317783	100.000	98.72
	71	2-Chloroethyl vinyl ether	63	8.989	8.989	(1.137)	1425924	200.000	199.6
	73	tert-Amyl Ethyl Ether	59	8.713	8.713	(1.102)	2920527	100.000	103.9
	76	cis-1,3-Dichloropropene	75	9.206	9.206	(1.164)	1577700	100.000	100.8
	77	4-Methyl-2-pentanone	43	9.127	9.127	(1.154)	2482132	200.000	213.8
$	81	Toluene-d8	98	9.600	9.600	(0.870)	1108130	30.0000	28.67
	83	Toluene	92	9.679	9.679	(0.877)	2021140	100.000	96.09
	78	trans-1,3-Dichloropropene	75	9.679	9.679	(0.877)	1454362	100.000	105.5
	85	Ethyl methacrylate	69	9.866	9.866	(0.894)	1292925	100.000	96.52
	80	1,1,2-Trichloroethane	83	9.826	9.826	(0.890)	769986	100.000	90.60
	89	Tetrachloroethene	166	10.417	10.417	(0.944)	848364	100.000	97.58
	86	2-Hexanone	43	9.974	9.974	(0.904)	1709618	200.000	189.0
	87	Dibromochloromethane	129	10.299	10.299	(0.933)	960388	100.000	96.32
	88	1,2-Dibromoethane	107	10.516	10.516	(0.953)	984017	100.000	93.86
	74	Methyl cyclohexane	83	8.782	8.782	(1.111)	1264742	100.000	100.9
*	92	Chlorobenzene-d5	82	11.038	11.038	(1.000)	563960	30.0000	
	93	Chlorobenzene	112	11.068	11.068	(1.003)	2269721	100.000	94.45
	90	1,1,1,2-Tetrachloroethane	131	11.117	11.117	(1.007)	846097	100.000	94.43
	91	1-Chlorohexane	91	11.038	11.038	(1.000)	2351349	100.000	92.81

Data File: \\ELABNSH04\DD\chem\voa5.i\042311V5.b\0423CC1.D
Report Date: 25-Apr-2011 09:06

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)	
94	Ethylbenzene	91	11.215	11.215	(1.016)	3702086	100.000	96.82	
95	m,p-Xylene	91	11.334	11.334	(1.027)	5728414	200.000	195.6	
M 107	Xylene(total)	91				8652076	300.000	289.7	
99	o-Xylene	91	11.718	11.718	(1.062)	2923662	100.000	94.12	
97	Styrene	104	11.688	11.688	(1.059)	2379850	100.000	96.33	
96	Bromoform	173	11.797	11.797	(1.069)	618323	100.000	91.22	
103	Isopropylbenzene	105	12.122	12.122	(1.098)	2813150	100.000	95.95	
$ 104	Bromofluorobenzene	95	12.230	12.230	(1.108)	447288	30.0000	28.22	
98	1,1,2,2-Tetrachloroethane	83	12.043	12.043	(0.897)	1096667	100.000	99.56	
84	1,3-Dichloropropane	76	10.043	10.043	(0.910)	1450364	100.000	95.08	
100	1,2,3-Trichloropropane	110	12.171	12.171	(1.103)	267942	100.000	88.83	
108	n-Propylbenzene	91	12.525	12.525	(0.933)	3937204	100.000	102.4	
113	1,3,5-Trimethylbenzene	105	12.703	12.703	(0.946)	2566209	100.000	101.7	
111	1,2,4-Trimethylbenzene	105	13.077	13.077	(0.974)	2662416	100.000	103.7	
114	sec-Butylbenzene	105	13.284	13.284	(0.989)	3045086	100.000	100.6	
112	tert-Butylbenzene	119	13.048	13.048	(0.971)	2567108	100.000	103.1	
115	1,3-Dichlorobenzene	146	13.373	13.373	(0.996)	1580581	100.000	95.55	
* 117	1,4-Dichlorobenzene-d4	152	13.432	13.432	(1.000)	464089	30.0000		(Q)
118	1,4-Dichlorobenzene	146	13.461	13.461	(1.002)	1595024	100.000	91.58	
121	n-Butylbenzene	91	13.826	13.826	(1.029)	2403136	100.000	103.2	
120	1,2-Dichlorobenzene	146	13.786	13.786	(1.026)	1482659	100.000	98.43	
122	1,2-Dibromo-3-chloropropane	157	14.427	14.427	(1.074)	176880	100.000	101.6	
105	Bromobenzene	156	12.397	12.397	(0.923)	967551	100.000	100.4	
109	2-Chlorotoluene	91	12.614	12.614	(0.939)	2442108	100.000	102.8	
110	4-Chlorotoluene	91	12.673	12.673	(0.944)	2824644	100.000	105.2	
123	1,2,4-Trichlorobenzene	180	15.510	15.510	(1.155)	858564	100.000	92.84	
124	Naphthalene	128	15.658	15.658	(1.166)	2075309	100.000	101.1	
119	p-Isopropyltoluene	119	13.422	13.422	(0.999)	2635751	100.000	101.6	
125	Hexachlorobutadiene	225	15.786	15.786	(1.175)	331991	100.000	91.85	
126	1,2,3-Trichlorobenzene	180	15.943	15.943	(1.187)	742648	100.000	94.09	

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Data File: \\ELABNSH04\DD\chem\voa5.i\042311V5.b\0423CC1.D
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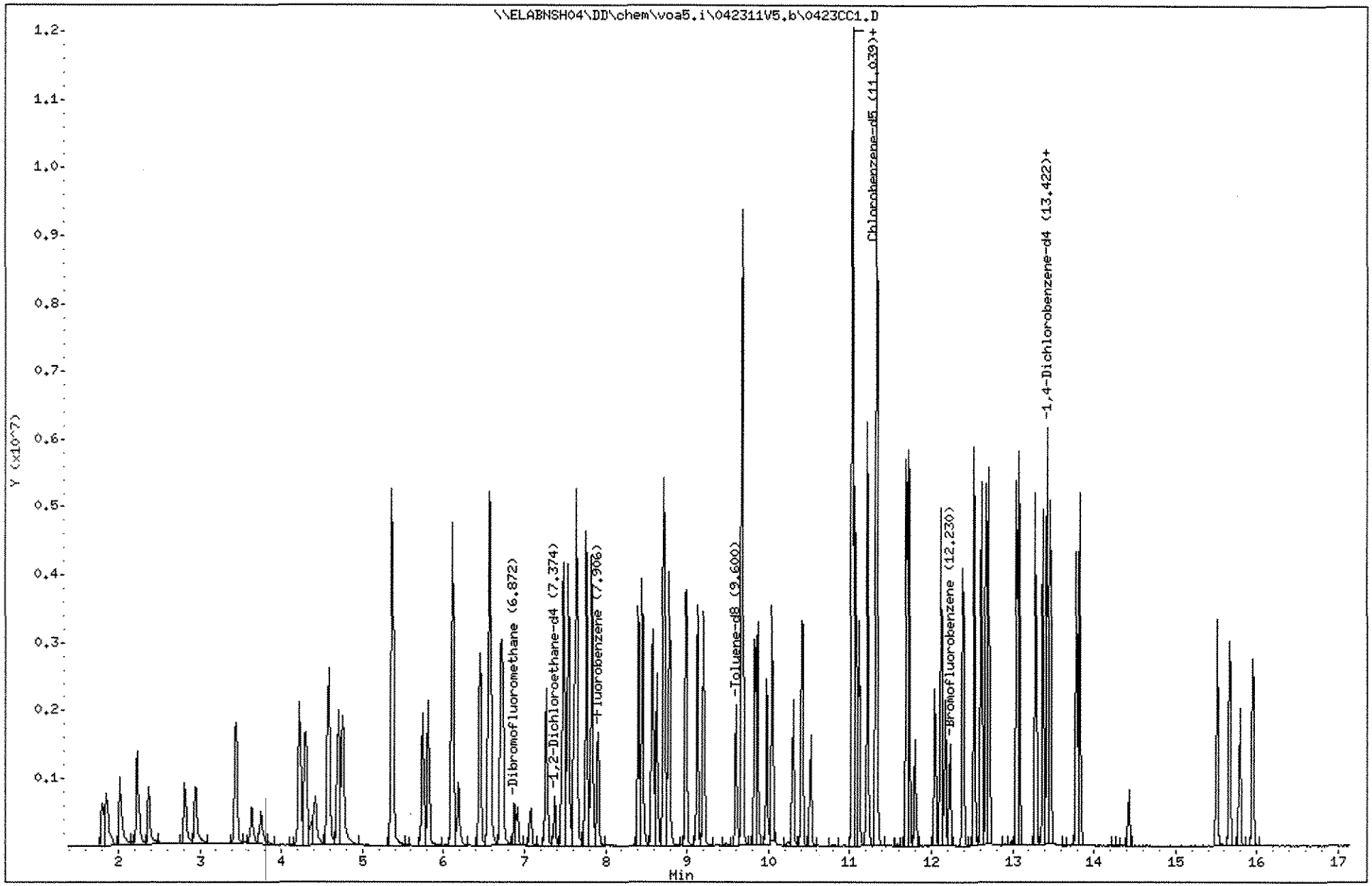
Instrument: voa5.i
Sample Info: SEQ-CCV1;;;;;
Purge Volume: 5.0
Operator: ADM
Column phase: RTX-VRX
Column diameter: 0.25



Data File: \\ELABNSH05\TARGET\chem\voa5.i\042311V5.b\0423LS1.D
Report Date: 24-Apr-2011 05:40

Laboratory Name

Data file : \\ELABNSH05\TARGET\chem\voa5.i\042311V5.b\0423LS1.D
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Inj Date : 23-APR-2011 11:53 MS Autotune Date: 28-JUL-1998 05:19
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Misc Info : ;3;LCS;;;gm-all.sub;
Comment :
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Meth Date : 24-Apr-2011 05:25 ghallquist Quant Type: ISTD
Cal Date : 15-APR-2011 14:26 Cal File: 0415CALA.D
Als bottle: 28 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: gm-all.sub
Target Version: 4.04
Processing Host: TARGET07_VM

Concentration Formula: Amt * DF * 5*Uf/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	unit correction factor
Vo	5.000	Volume of sample purged (mL)

YMR 04/24/11

4-28-11

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
* 62 Fluorobenzene	96	7.905	7.906	(1.000)	1228101	30.0000	
1 Dichlorodifluoromethane	85	2.015	2.015	(0.255)	768300	61.0451	61.04
2 Chloromethane	50	2.231	2.232	(0.282)	927695	47.7512	47.75
4 Vinyl chloride	62	2.369	2.370	(0.300)	434897	36.2117	36.21
7 Bromomethane	94	2.812	2.813	(0.356)	323843	33.2467	33.25
8 Chloroethane	64	2.940	2.941	(0.372)	458600	44.3897	44.39
11 Trichlorofluoromethane	101	3.433	3.444	(0.434)	887166	53.6422	53.64
15 t-Butyl alcohol	59	4.369	4.369	(0.553)	273955	306.313	306.3
16 tert-Amyl alcohol	59	7.068	7.078	(0.894)	208364	290.560	290.6
26 Trichlorotrifluoroethane	101	4.300	4.300	(0.544)	424727	50.0523	50.05
10 Acrolein	56	3.630	3.631	(0.459)	321490	171.967	172.0
22 1,1-Dichloroethene	96	4.221	4.222	(0.534)	457006	50.9465	50.95(Q)
14 Acetone	43	3.748	3.749	(0.474)	418863	107.214	107.2
23 Iodomethane	142	4.408	4.419	(0.558)	516458	43.8591	43.86
29 Carbon disulfide	76	4.753	4.754	(0.601)	1476754	53.2551	53.26
25 Methylene chloride	84	4.694	4.704	(0.594)	527721	50.3383	50.34

Data File: \\ELABNSH05\TARGET\chem\voa5.i\042311V5.b\0423LS1.D
Report Date: 24-Apr-2011 05:40

		Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/L)
	24	Acrylonitrile	53	4.576	4.576	(0.579)	1075215	275.736	275.7(Q)
	32	trans-1,2-Dichloroethene	96	5.364	5.364	(0.679)	487444	48.8694	48.87
	33	MTBE	73	5.364	5.364	(0.679)	1276989	55.6933	55.69
	34	1,1-Dichloroethane	63	5.738	5.739	(0.726)	1008749	53.3965	53.40
	37	Vinyl acetate	43	5.807	5.808	(0.735)	1726581	112.147	112.1
	45	Di-isopropyl ether	45	6.102	6.113	(0.772)	2324310	52.5435	52.54
	46	cis-1,2-Dichloroethene	96	6.447	6.448	(0.816)	543289	50.4382	50.44(Q)
M	30	1,2-Dichloroethene(total)	96				1030733	99.3076	99.31
	43	2-Butanone	43	6.181	6.182	(0.782)	586393	103.661	103.7
	48	Bromochloromethane	128	6.723	6.734	(0.850)	276336	51.0304	51.03
	53	Tetrahydrofuran	42	6.910	6.911	(0.874)	174481	54.2418	54.24
	49	Chloroform	83	6.703	6.704	(0.848)	853443	48.5429	48.54
	27	Methyl acetate	43	4.556	4.566	(0.576)	512793	56.4429	56.44
$	51	Dibromofluoromethane	111	6.871	6.871	(0.869)	391111	32.5837	32.58
	56	1,1,1-Trichloroethane	97	7.265	7.265	(0.919)	638017	49.6811	49.68
	58	ETBE	59	6.575	6.576	(0.832)	1748157	51.7726	51.77
	59	Cyclohexane	56	7.540	7.541	(0.954)	883706	52.1605	52.16
	60	Carbon tetrachloride	117	7.609	7.610	(0.963)	499679	50.9023	50.90
$	54	1,2-Dichloroethane-d4	102	7.373	7.374	(0.933)	80857	33.2123	33.21
	61	Benzene	78	7.639	7.640	(0.966)	1709794	51.1491	51.15
	55	1,2-Dichloroethane	62	7.462	7.462	(0.944)	741191	53.9926	53.99
	50	2,2-Dichloropropane	77	6.555	6.556	(0.829)	655996	51.7727	51.77
	57	1,1-Dichloropropene	75	7.481	7.482	(0.946)	650076	51.0872	51.09(Q)
	63	tert-Amyl Methyl Ether	73	7.826	7.827	(0.990)	1315981	48.6220	48.62
	67	Trichloroethene	95	8.397	8.398	(1.062)	508304	52.0685	52.07
	66	1,2-Dichloropropane	63	8.447	8.447	(1.069)	588926	50.3782	50.38
	65	Dibromomethane	93	8.565	8.566	(1.083)	347344	53.0760	53.08
	70	Methyl methacrylate	41	7.540	7.541	(0.954)	595073	51.4203	51.42
	68	Bromodichloromethane	83	8.624	8.625	(1.091)	662940	50.6052	50.60
	71	2-Chloroethyl vinyl ether	63	8.979	8.989	(1.136)	817887	116.640	116.6
	73	tert-Amyl Ethyl Ether	59	8.713	8.713	(1.102)	1352892	49.0503	49.05
	76	cis-1,3-Dichloropropene	75	9.195	9.206	(1.163)	753834	49.0546	49.05
	77	4-Methyl-2-pentanone	43	9.126	9.127	(1.155)	1293485	113.516	113.5
$	81	Toluene-d8	98	9.599	9.600	(0.870)	1118299	29.9352	29.94
	83	Toluene	92	9.678	9.679	(0.877)	972336	47.8291	47.83
	78	trans-1,3-Dichloropropene	75	9.678	9.679	(0.877)	730815	54.8609	54.86
	85	Ethyl methacrylate	69	9.865	9.866	(0.894)	630855	48.7271	48.73
	80	1,1,2-Trichloroethane	83	9.826	9.826	(0.890)	378312	46.0543	46.05
	89	Tetrachloroethene	166	10.417	10.417	(0.944)	414355	49.3080	49.31
	86	2-Hexanone	43	9.973	9.974	(0.904)	884717	101.180	101.2
	87	Dibromochloromethane	129	10.299	10.299	(0.933)	479660	49.7734	49.77
	88	1,2-Dibromoethane	107	10.515	10.516	(0.953)	493311	48.6836	48.68
	74	Methyl cyclohexane	83	8.782	8.782	(1.111)	622680	50.6351	50.64
*	92	Chlorobenzene-d5	82	11.037	11.038	(1.000)	545089	30.0000	
	93	Chlorobenzene	112	11.067	11.068	(1.003)	1118492	48.1538	48.15
	90	1,1,1,2-Tetrachloroethane	131	11.116	11.117	(1.007)	411387	47.5052	47.50
	91	1-Chlorohexane	91	11.037	11.038	(1.000)	1134602	46.3351	46.34

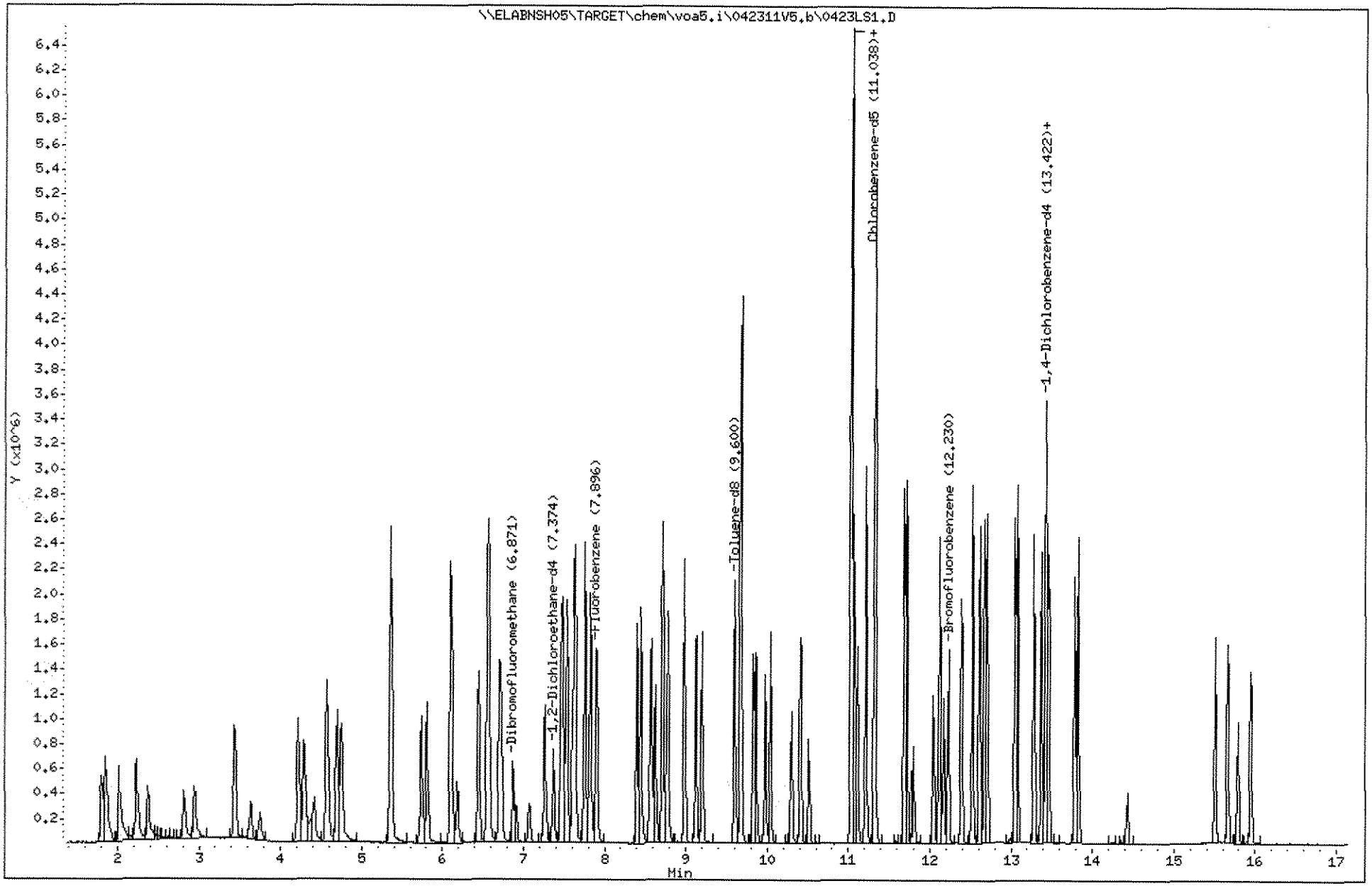
Data File: \\ELABNSH05\TARGET\chem\voa5.i\042311V5.b\0423LS1.D
Report Date: 24-Apr-2011 05:40

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)	
94	Ethylbenzene	91	11.215	11.215	(1.016)	1809910	48.9726	48.97	
95	m,p-Xylene	91	11.333	11.334	(1.027)	2807957	99.2069	99.21	
M 107	Xylene(total)	91				4258442	147.516	147.5	
99	o-Xylene	91	11.717	11.718	(1.062)	1450485	48.3089	48.31	
97	Styrene	104	11.687	11.688	(1.059)	1145112	47.9575	47.96	
96	Bromoform	173	11.796	11.797	(1.069)	299624	45.7341	45.73	
103	Isopropylbenzene	105	12.121	12.122	(1.098)	1430683	50.4891	50.49	
$ 104	Bromofluorobenzene	95	12.229	12.230	(1.108)	448442	29.2742	29.27	
98	1,1,2,2-Tetrachloroethane	83	12.042	12.043	(0.897)	561348	51.3509	51.35	
84	1,3-Dichloropropane	76	10.042	10.043	(0.910)	730006	49.5127	49.51	
100	1,2,3-Trichloropropane	110	12.170	12.171	(1.103)	137583	47.1926	47.19	
108	n-Propylbenzene	91	12.525	12.525	(0.933)	1949007	51.0881	51.09	
113	1,3,5-Trimethylbenzene	105	12.702	12.703	(0.946)	1252895	50.0171	50.02	
111	1,2,4-Trimethylbenzene	105	13.076	13.077	(0.974)	1285551	50.4775	50.48	
114	sec-Butylbenzene	105	13.283	13.284	(0.989)	1464452	48.7672	48.77	
112	tert-Butylbenzene	119	13.047	13.048	(0.971)	1240632	50.2078	50.21	
115	1,3-Dichlorobenzene	146	13.372	13.373	(0.996)	775616	47.2475	47.25	
* 117	1,4-Dichlorobenzene-d4	152	13.431	13.432	(1.000)	460553	30.0000		(Q)
118	1,4-Dichlorobenzene	146	13.460	13.461	(1.002)	767807	44.4244	44.42	
121	n-Butylbenzene	91	13.825	13.826	(1.029)	1152452	49.8931	49.89	
120	1,2-Dichlorobenzene	146	13.786	13.786	(1.026)	728554	48.7365	48.74	
122	1,2-Dibromo-3-chloropropane	157	14.426	14.427	(1.074)	94033	54.4145	54.41	
105	Bromobenzene	156	12.397	12.397	(0.923)	469524	49.1007	49.10	
109	2-Chlorotoluene	91	12.613	12.614	(0.939)	1174071	49.8128	49.81	
110	4-Chlorotoluene	91	12.672	12.673	(0.944)	1393193	52.3112	52.31	
123	1,2,4-Trichlorobenzene	180	15.509	15.510	(1.155)	435197	47.4197	47.42	
124	Naphthalene	128	15.657	15.658	(1.166)	1120258	54.9878	54.99	
119	p-Isopropyltoluene	119	13.421	13.422	(0.999)	1317896	51.1887	51.19	
125	Hexachlorobutadiene	225	15.795	15.786	(1.176)	167151	46.5980	46.60	
126	1,2,3-Trichlorobenzene	180	15.953	15.943	(1.188)	386439	49.3377	49.34	

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Data File: \\ELABNSH05\TARGET\chem\voa5.i\042311V5.b\0423LS1.D
Date : 23-APR-2011 11:53
Client ID: 1D22024-BS1
Instrument: voa5.i
Sample Info: 1D22024-BS1;;;;;
Purge Volume: 5.0
Operator: ADM
Column phase: RTX-VRX
Column diameter: 0.25



Data File: \\ELABNSH05\TARGET\chem\voa5.i\042311V5.b\0423BL1.D
Report Date: 24-Apr-2011 05:40

Laboratory Name

Data file : \\ELABNSH05\TARGET\chem\voa5.i\042311V5.b\0423BL1.D
Lab Smp Id: 1D22024-BLK1 Client Smp ID: 1D22024-BLK1
Inj Date : 23-APR-2011 13:09 MS Autotune Date: 28-JUL-1998 05:19
Operator : ADM Inst ID: voa5.i
Smp Info : 1D22024-BLK1;;;;;
Misc Info : ;3;METHSPIKE;;;gm-all.sub;
Comment :
Method : \\ELABNSH05\TARGET\chem\voa5.i\042311V5.b\VW5SUR.m
Meth Date : 24-Apr-2011 05:25 ghallquist Quant Type: ISTD
Cal Date : 15-APR-2011 14:26 Cal File: 0415CALA.D
Als bottle: 100 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: gm-all.sub
Target Version: 4.04
Processing Host: TARGET07_VM

Concentration Formula: Amt * DF * 5*Uf/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	unit correction factor
Vo	5.000	Volume of sample purged (mL)

YMR 04/25/11

4-28-11

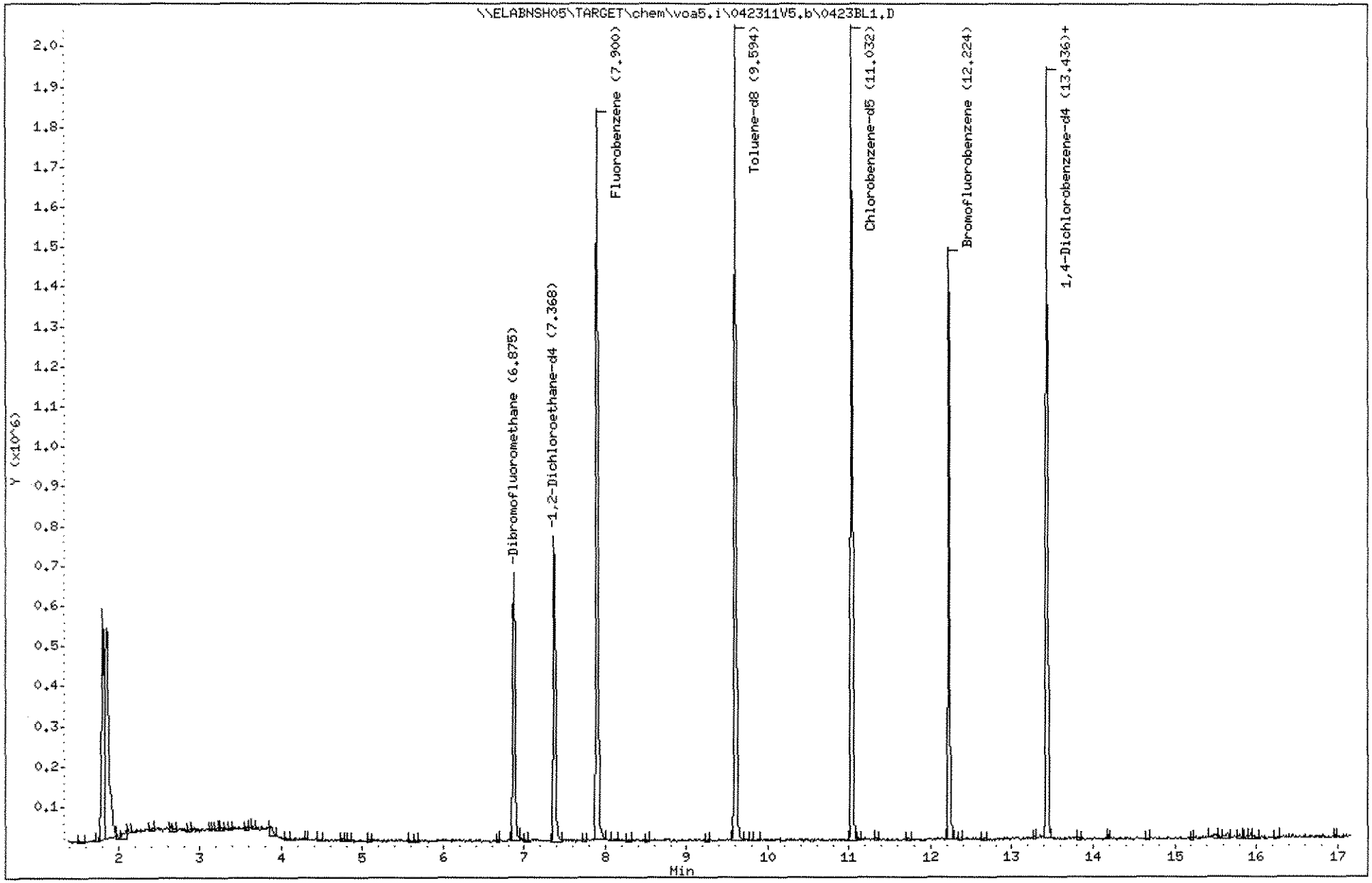
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
* 62 Fluorobenzene	96	7.899	7.906	(1.000)	1191918	30.0000	
49 Chloroform	83	6.708	6.704	(0.849)	1917	0.11235	0.1123(aQ)
$ 51 Dibromofluoromethane	111	6.875	6.871	(0.870)	399719	34.3117	34.31
$ 54 1,2-Dichloroethane-d4	102	7.377	7.374	(0.934)	85699	36.2698	36.27(R)
$ 81 Toluene-d8	98	9.594	9.600	(0.870)	1193624	31.2807	31.28
* 92 Chlorobenzene-d5	82	11.032	11.038	(1.000)	556779	30.0000	
$ 104 Bromofluorobenzene	95	12.224	12.230	(1.108)	469500	30.0054	30.00
115 1,3-Dichlorobenzene	146	13.386	13.373	(0.996)	2559	0.15228	0.1523(a)
* 117 1,4-Dichlorobenzene-d4	152	13.435	13.432	(1.000)	471459	30.0000	(Q)
118 1,4-Dichlorobenzene	146	13.435	13.461	(1.000)	2884	0.16300	0.1630(a)
123 1,2,4-Trichlorobenzene	180	15.504	15.510	(1.154)	1403	0.14934	0.1493(aQ)
124 Naphthalene	128	15.661	15.658	(1.166)	9323	0.44703	0.4470(a)
126 1,2,3-Trichlorobenzene	180	15.937	15.943	(1.186)	2481	0.30943	0.3094(aQ)

Data File: \\ELABNSH05\TARGET\chem\voa5.i\042311V5.b\0423BL1.D
Report Date: 24-Apr-2011 05:40

QC Flag Legend

a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.
R - Spike/Surrogate failed recovery limits.

Data File: \\ELABNSH05\TARGET\chem\voa5.i\042311V5.b\0423BL1.D
Date : 23-APR-2011 13:09
Client ID: 1D22024-BLK1
Instrument: voa5.i
Sample Info: 1D22024-BLK1;;;;;
Purge Volume: 5.0
Operator: ADM
Column phase: RTX-VRX
Column diameter: 0.25



CTOJM29_002

Data File: \\ELABNSH05\TARGET\chem\voa5.i\042311V5.b\0423BL1.D

Date : 23-APR-2011 13:09

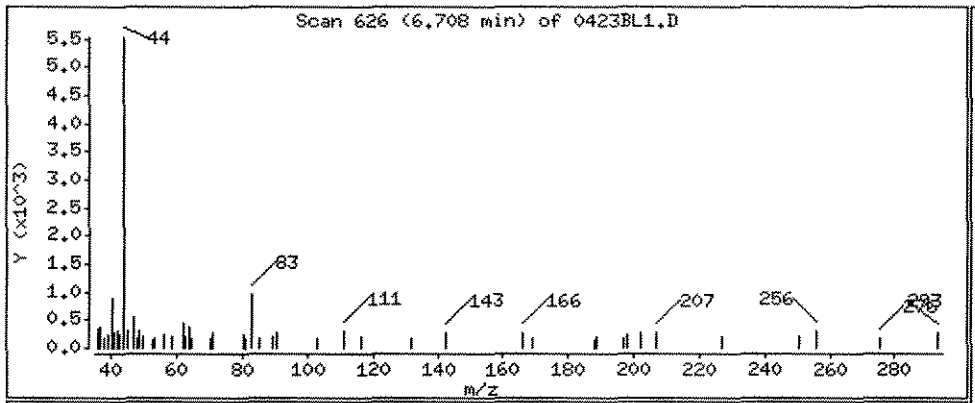
Client ID: 1D22024-BLK1 Instrument: voa5.i

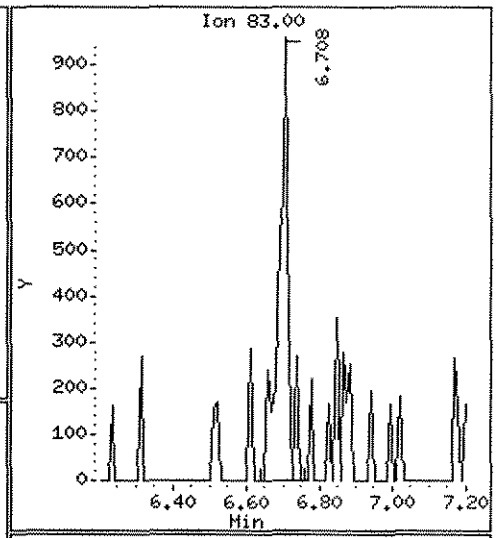
Sample Info: 1D22024-BLK1;;;;;

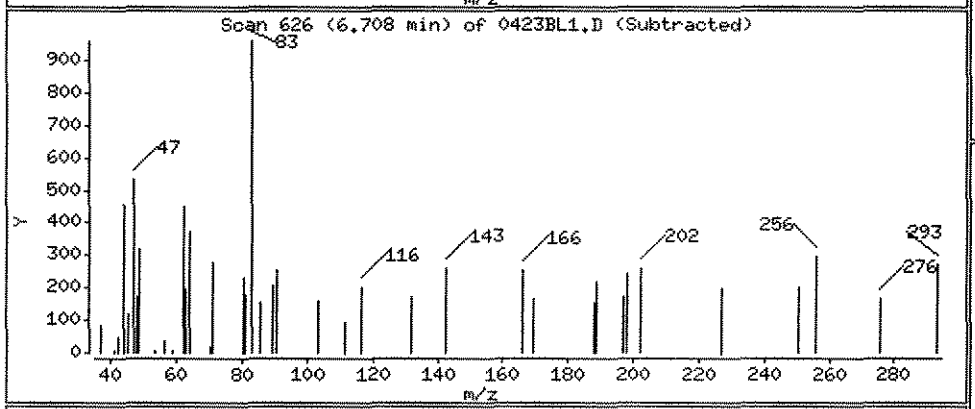
Purge Volume: 5.0 Operator: ADM

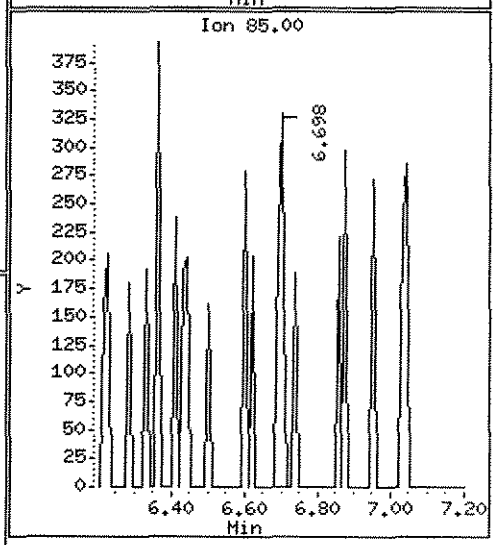
Column phase: RTX-VRX Column diameter: 0.25

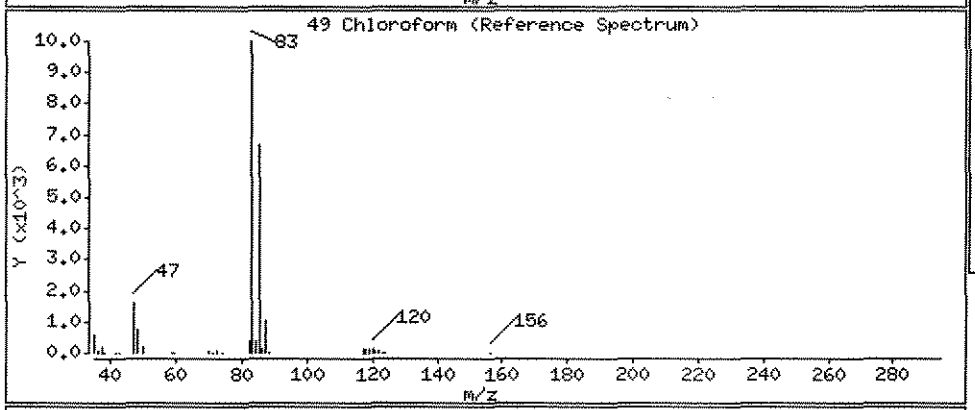
49 Chloroform Concentration: 0.1123 ug/L

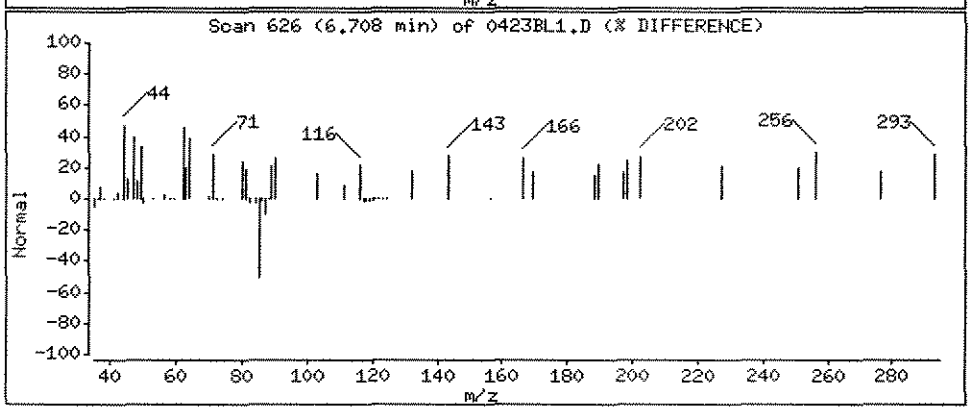












Data File: \\ELABNSH05\TARGET\chem\voa5.i\042311V5.b\0423BL1.D

Date : 23-APR-2011 13:09

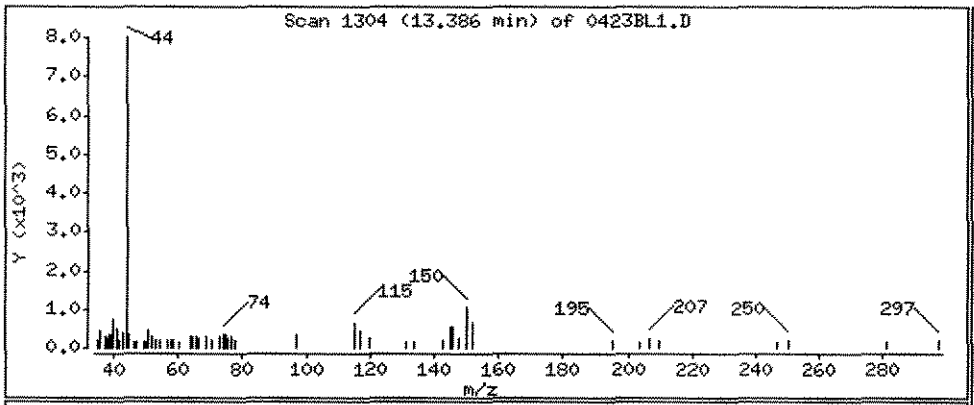
Client ID: 1D22024-BLK1 Instrument: voa5.i

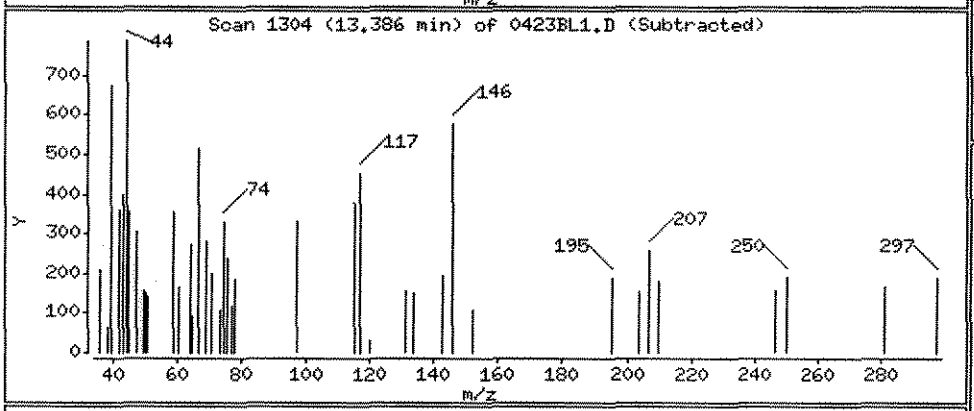
Sample Info: 1D22024-BLK1;;;;;

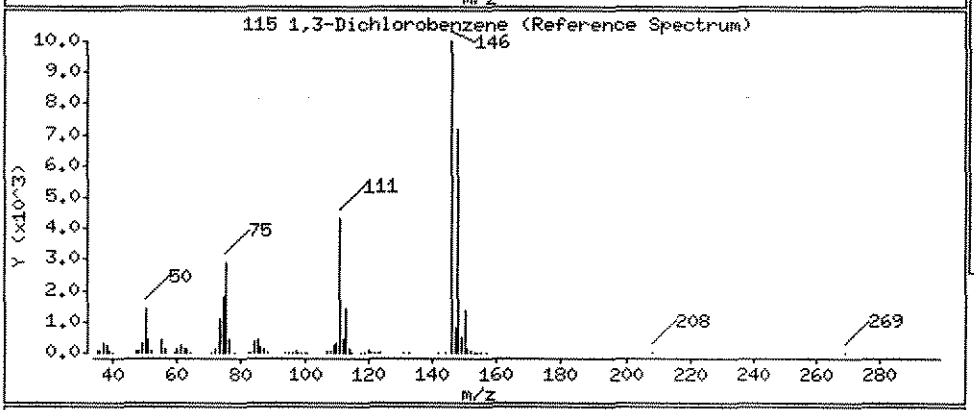
Purge Volume: 5.0 Operator: ADM

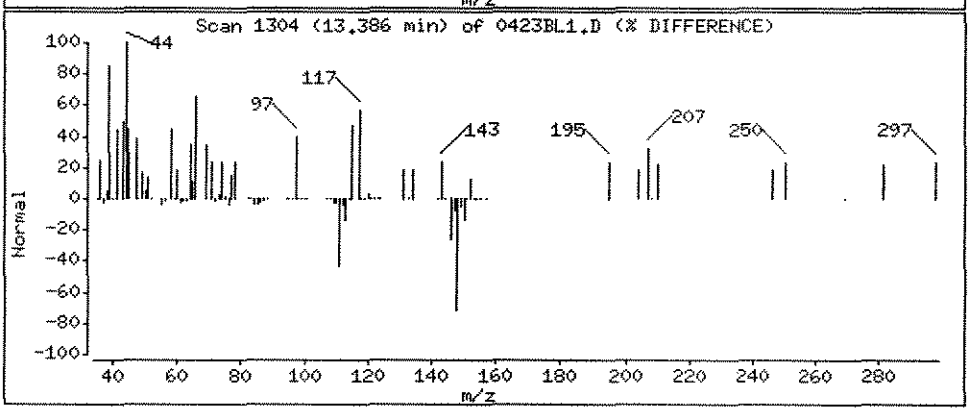
Column phase: RTX-VRX Column diameter: 0.25

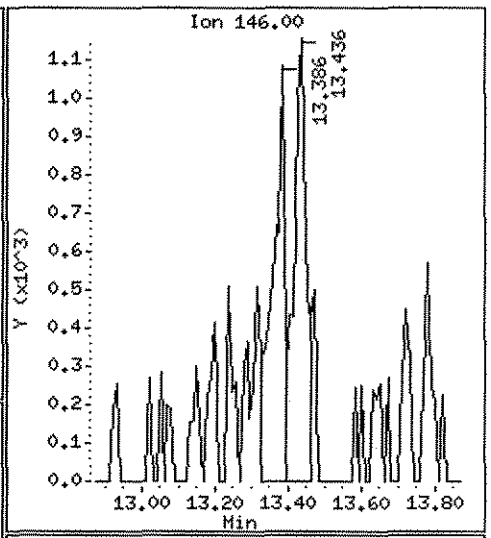
115 1,3-Dichlorobenzene Concentration: 0.1523 ug/L

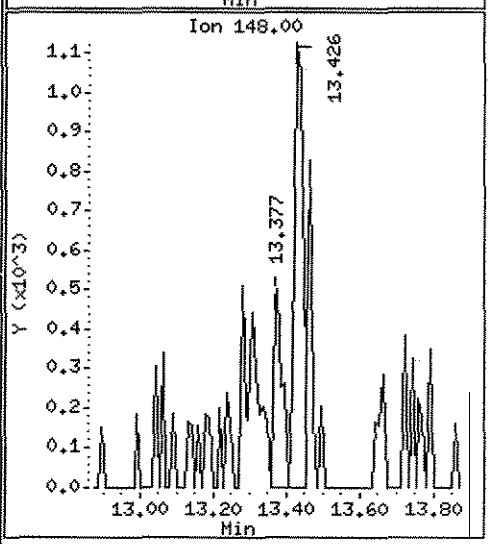












Data File: \\ELABNSH05\TARGET\chem\voa5.i\042311V5.b\0423BL1.D

Date : 23-APR-2011 13:09

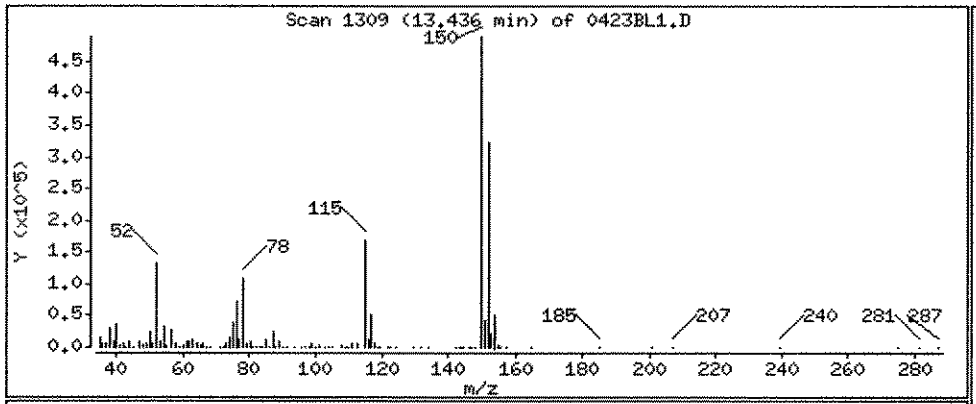
Client ID: 1D22024-BLK1 Instrument: voa5.i

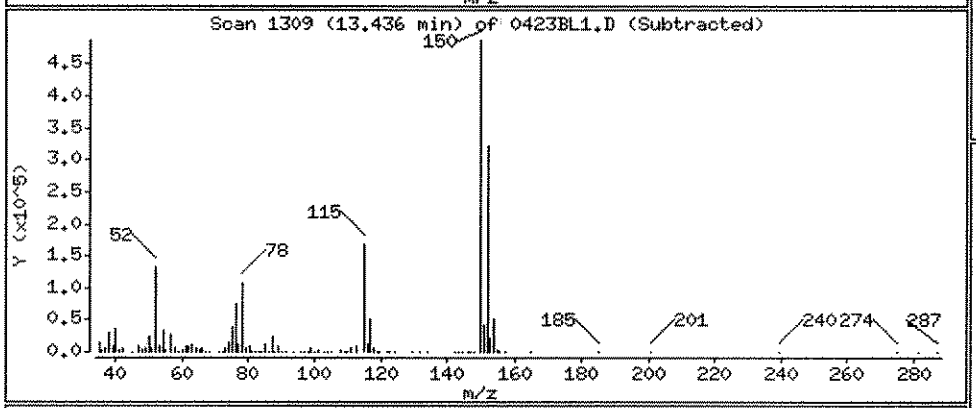
Sample Info: 1D22024-BLK1;;;;;

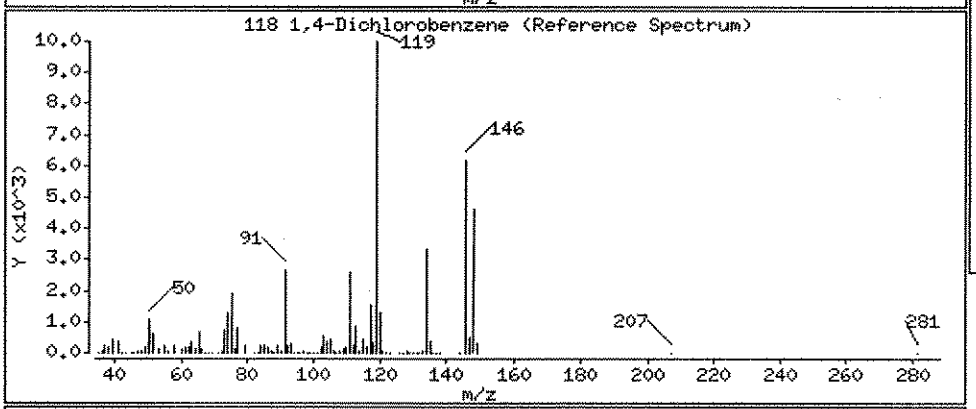
Purge Volume: 5.0 Operator: ADM

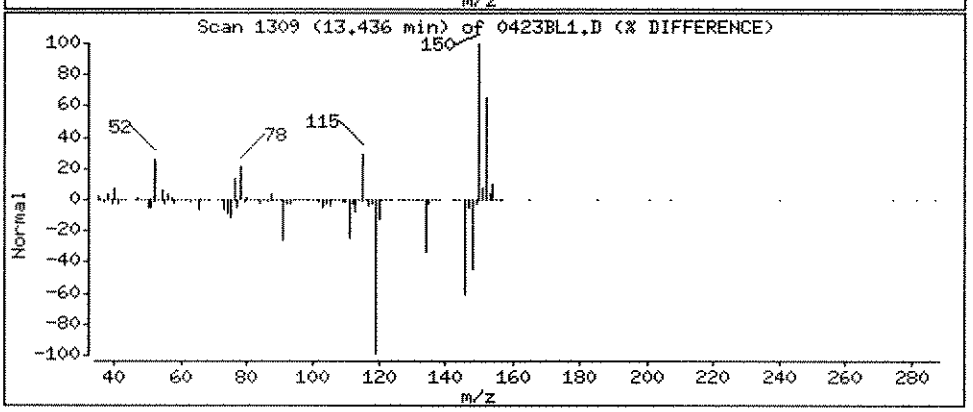
Column phase: RTX-VRX Column diameter: 0.25

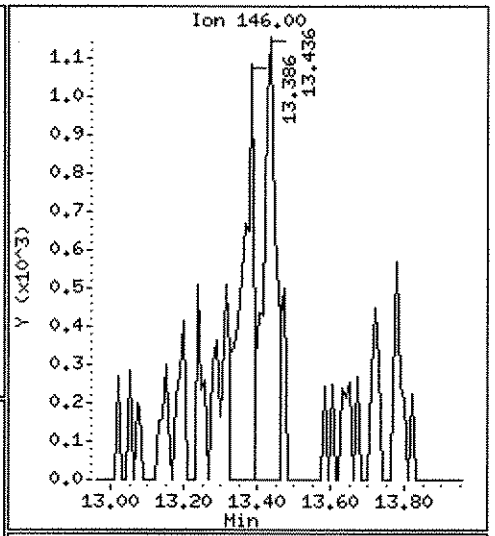
118 1,4-Dichlorobenzene Concentration: 0.1630 ug/L

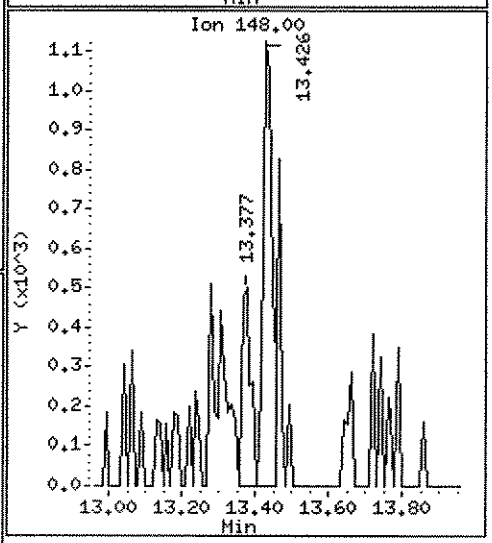












Data File: \\ELABNSH05\TARGET\chem\voa5.i\042311V5.b\0423BL1.D

Date : 23-APR-2011 13:09

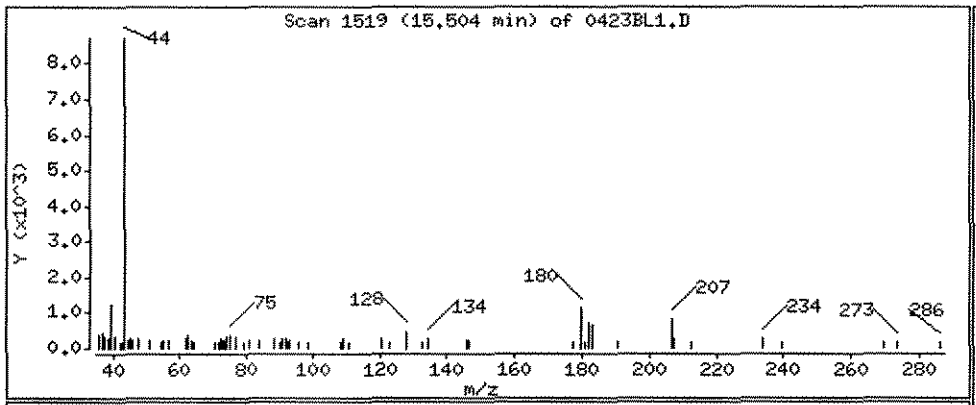
Client ID: 1D22024-BLK1 Instrument: voa5.i

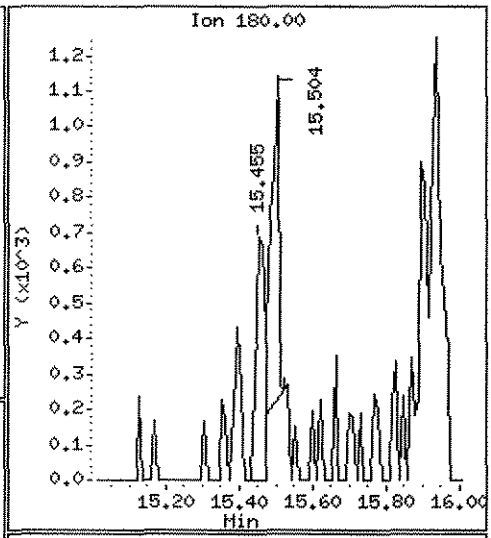
Sample Info: 1D22024-BLK1;;;;;

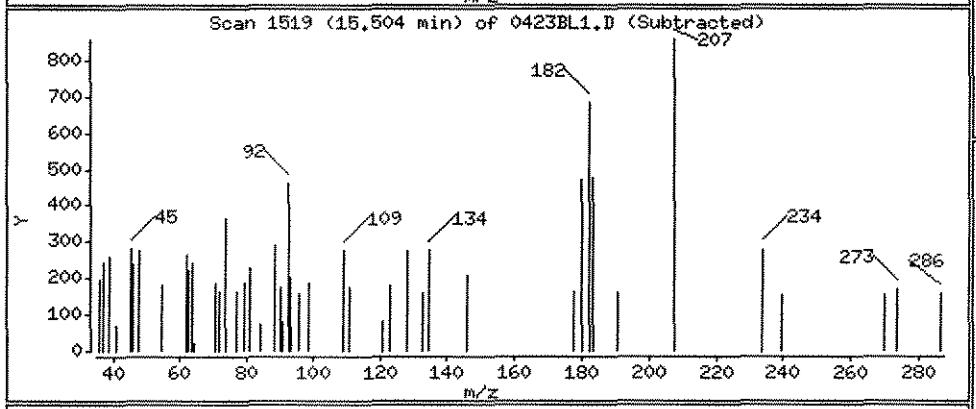
Purge Volume: 5.0 Operator: ADM

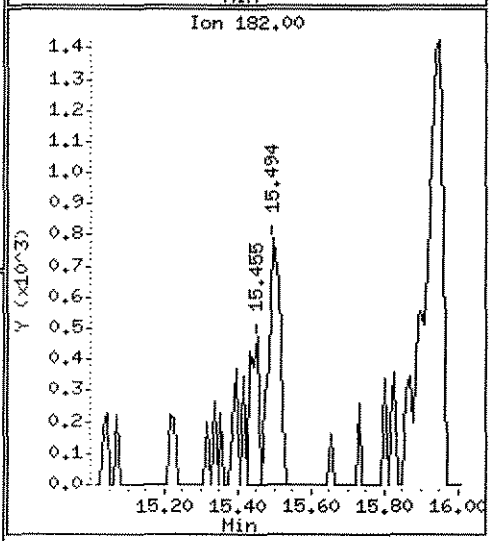
Column phase: RTX-VRX Column diameter: 0.25

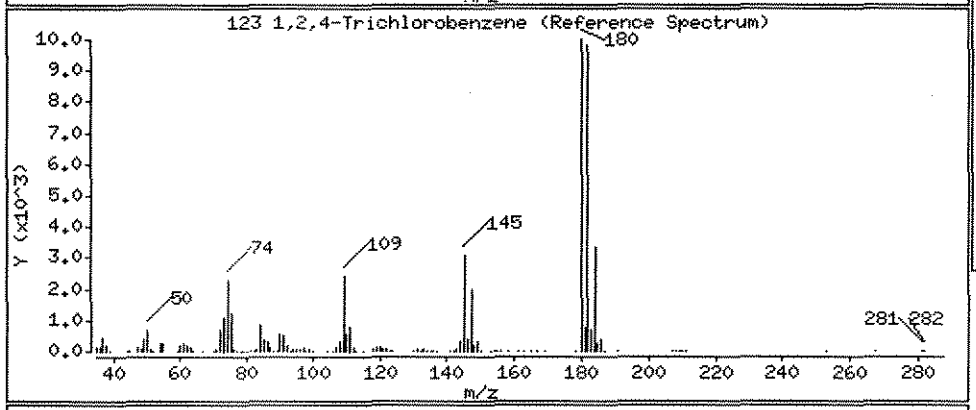
123 1,2,4-Trichlorobenzene Concentration: 0.1493 ug/L

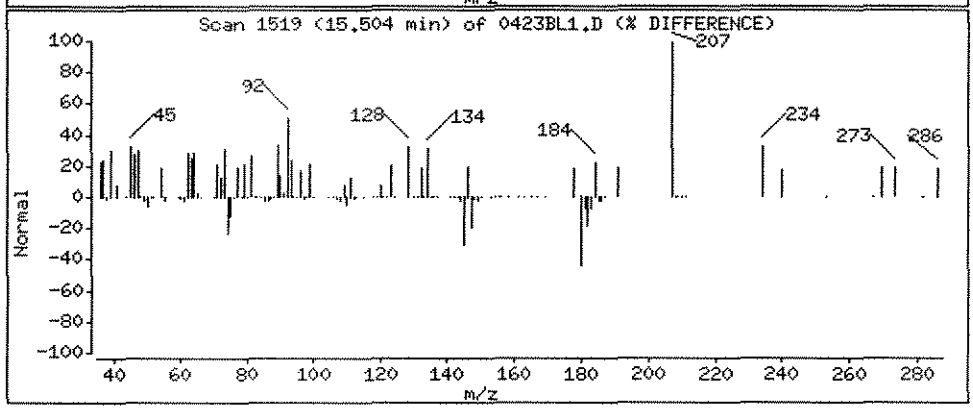












Data File: \\ELAPNSH05\TARGET\chem\voa5.i\042311V5.b\0423BL1.D

Date : 23-APR-2011 13:09

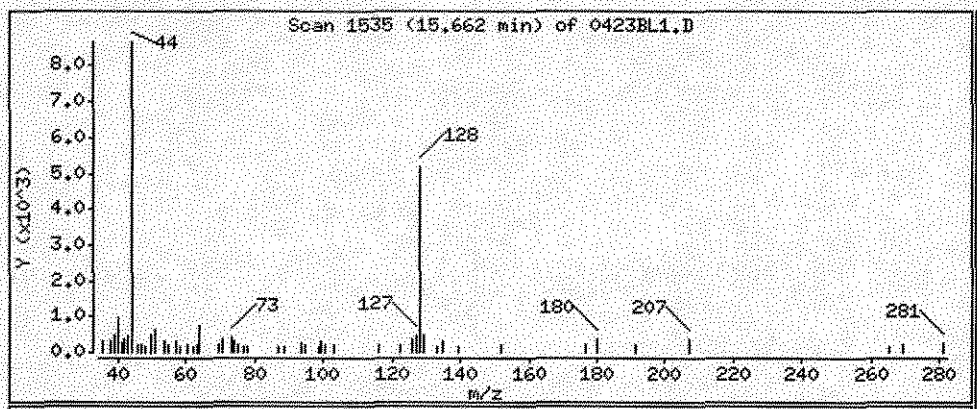
Client ID: 1D22024-BLK1 Instrument: voa5.i

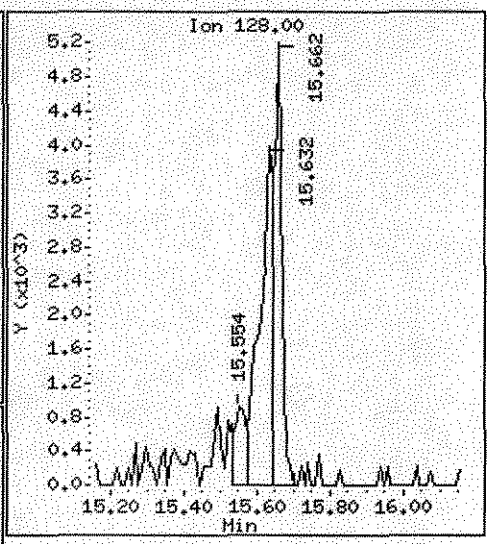
Sample Info: 1D22024-BLK1;;;;;

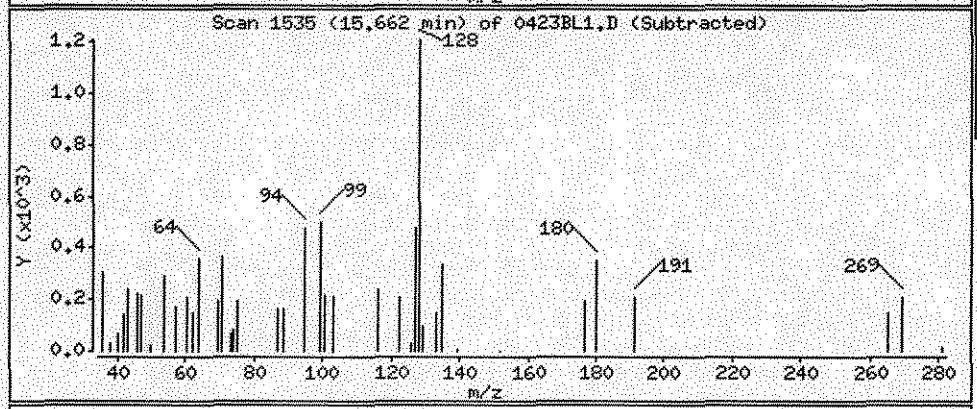
Purge Volume: 5.0 Operator: ADM

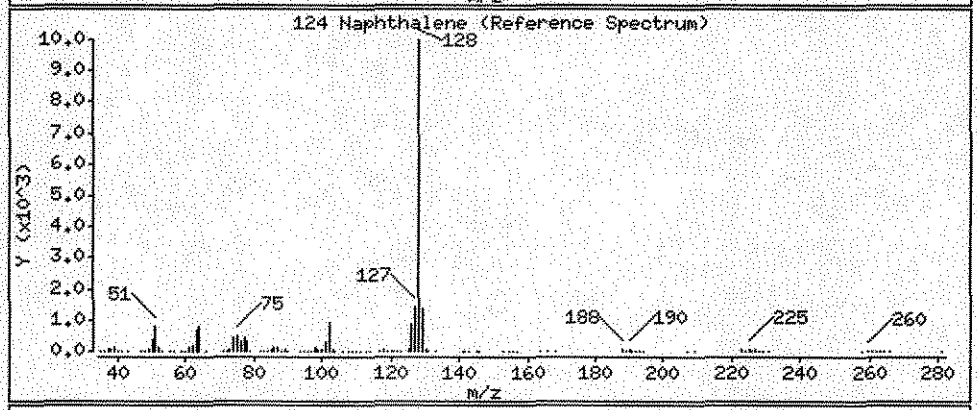
Column phase: RTX-VRX Column diameter: 0.25

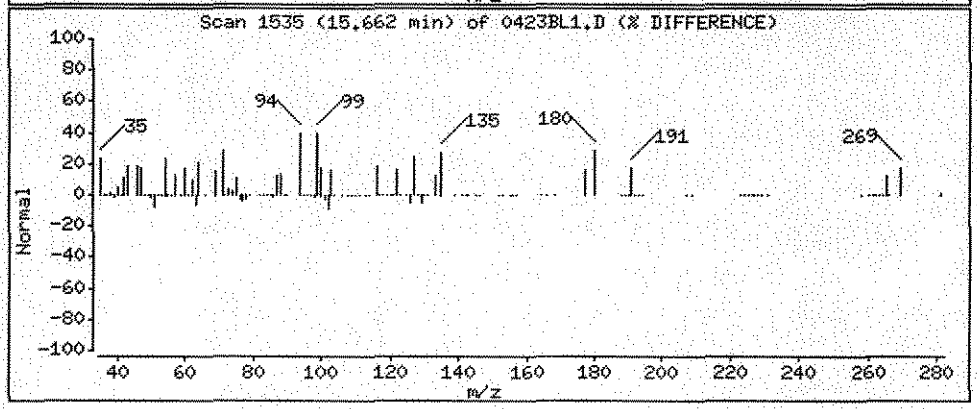
124 Naphthalene Concentration: 0.4470 ug/L











Data File: \\ELABNSH05\TARGET\chem\voa5.i\042311V5.b\0423BL1.D

Date : 23-APR-2011 13:09

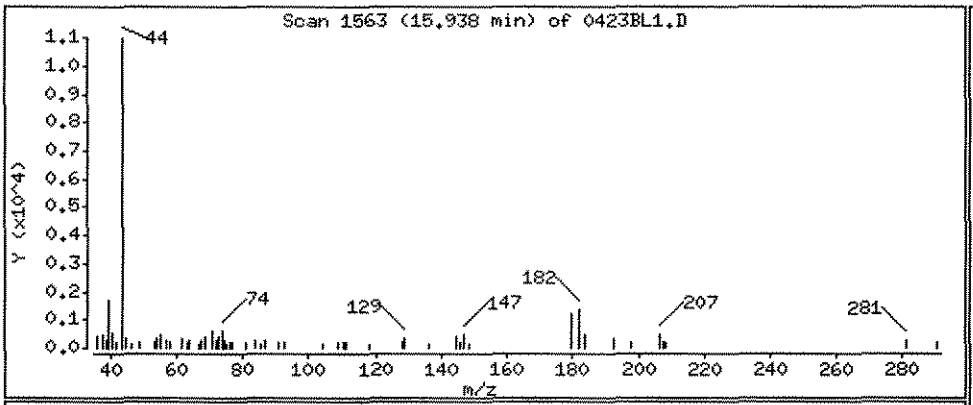
Client ID: 1D22024-BLK1 Instrument: voa5.i

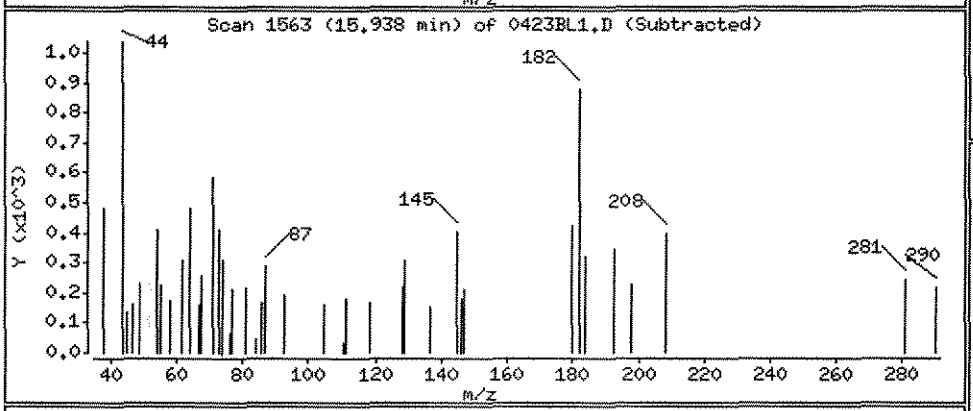
Sample Info: 1D22024-BLK1;;;;;

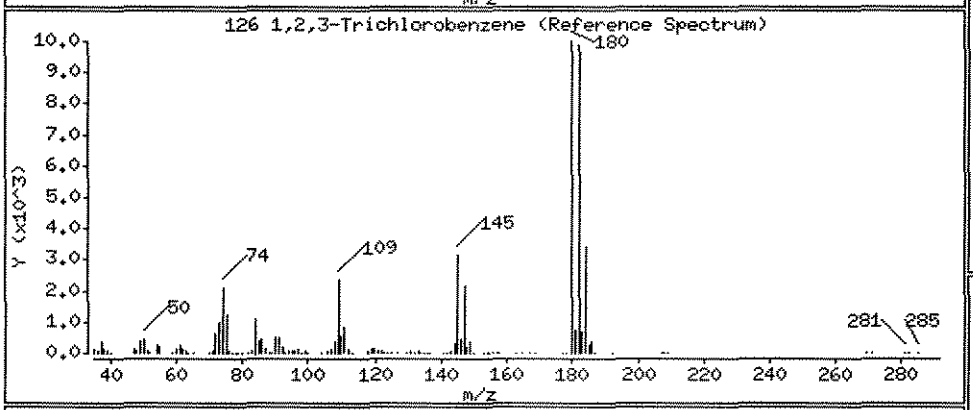
Purge Volume: 5.0 Operator: ADM

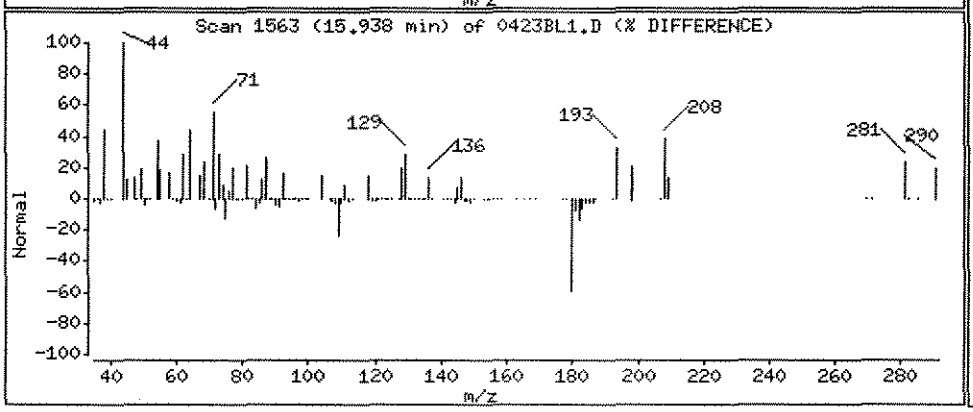
Column phase: RTX-VRX Column diameter: 0.25

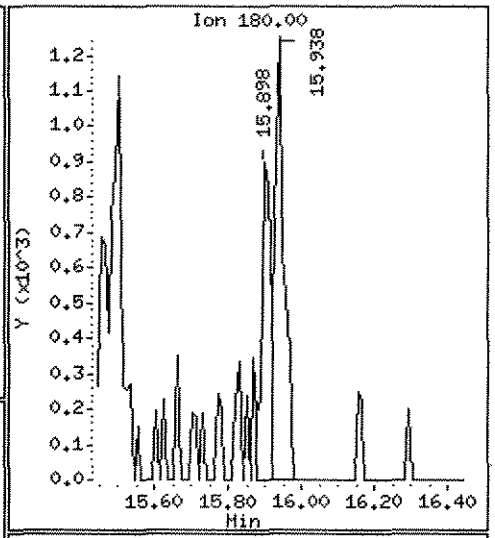
126 1,2,3-Trichlorobenzene Concentration: 0.3094 ug/L

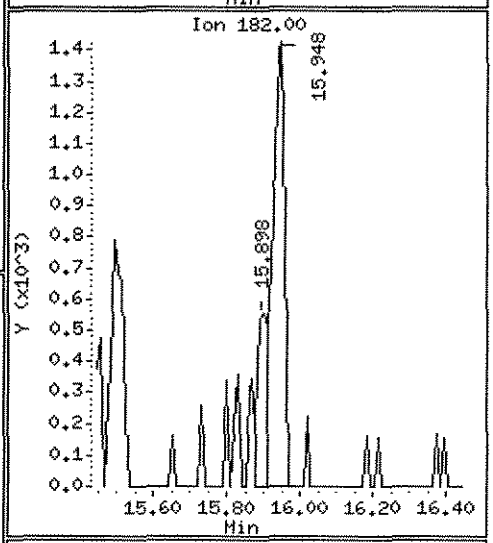


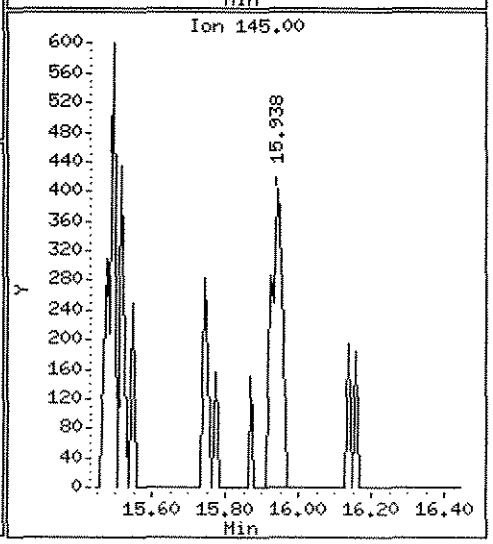












Data File: \\ELABNSH05\TARGET\chem\voa5.i\042311V5.b\0420709.D
Report Date: 24-Apr-2011 05:41

Laboratory Name

Data file : \\ELABNSH05\TARGET\chem\voa5.i\042311V5.b\0420709.D
Lab Smp Id: 1104207-09 Client Smp ID: FB04151101
Inj Date : 23-APR-2011 14:00 MS Autotune Date: 28-JUL-1998 05:19
Operator : ADM Inst ID: voa5.i
Smp Info : 1104207-09;;;;;
Misc Info : ;0;;;;gm-all.sub;
Comment :
Method : \\ELABNSH05\TARGET\chem\voa5.i\042311V5.b\VW5SUR.m
Meth Date : 24-Apr-2011 05:25 ghallquist Quant Type: ISTD
Cal Date : 15-APR-2011 14:26 Cal File: 0415CALA.D
Als bottle: 31
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: gm-all.sub
Target Version: 4.04
Processing Host: TARGET07_VM

Concentration Formula: Amt * DF * 5*Uf/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	unit correction factor
Vo	5.000	Volume of sample purged (mL)

4-25-11

4-28-11

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
* 62 Fluorobenzene	96	7.900	7.906	(1.000)	1326739	30.0000	
2 Chloromethane	50	2.226	2.232	(0.282)	12897	0.61449	0.6145(a)
25 Methylene chloride	84	4.699	4.704	(0.595)	34613	3.05620	3.056
43 2-Butanone	43	6.186	6.182	(0.783)	84089	13.7599	13.76
49 Chloroform	83	6.698	6.704	(0.848)	11714	0.61674	0.6167(a)
$ 51 Dibromofluoromethane	111	6.876	6.871	(0.870)	385824	29.7535	29.75
$ 54 1,2-Dichloroethane-d4	102	7.368	7.374	(0.933)	79338	30.1656	30.16
$ 81 Toluene-d8	98	9.594	9.600	(0.870)	1177595	31.8133	31.81
83 Toluene	92	9.673	9.679	(0.877)	2456	0.12193	0.1219(a)
86 2-Hexanone	43	9.978	9.974	(0.904)	4285	0.49457	0.4946(a)
* 92 Chlorobenzene-d5	82	11.032	11.038	(1.000)	540106	30.0000	
$ 104 Bromofluorobenzene	95	12.224	12.230	(1.108)	451025	29.7145	29.71
115 1,3-Dichlorobenzene	146	13.357	13.373	(0.994)	2255	0.14564	0.1456(aQ)
* 117 1,4-Dichlorobenzene-d4	152	13.436	13.432	(1.000)	434387	30.0000	(Q)
118 1,4-Dichlorobenzene	146	13.465	13.461	(1.002)	2504	0.15361	0.1536(aM)
123 1,2,4-Trichlorobenzene	180	15.495	15.510	(1.153)	2483	0.28685	0.2868(a)

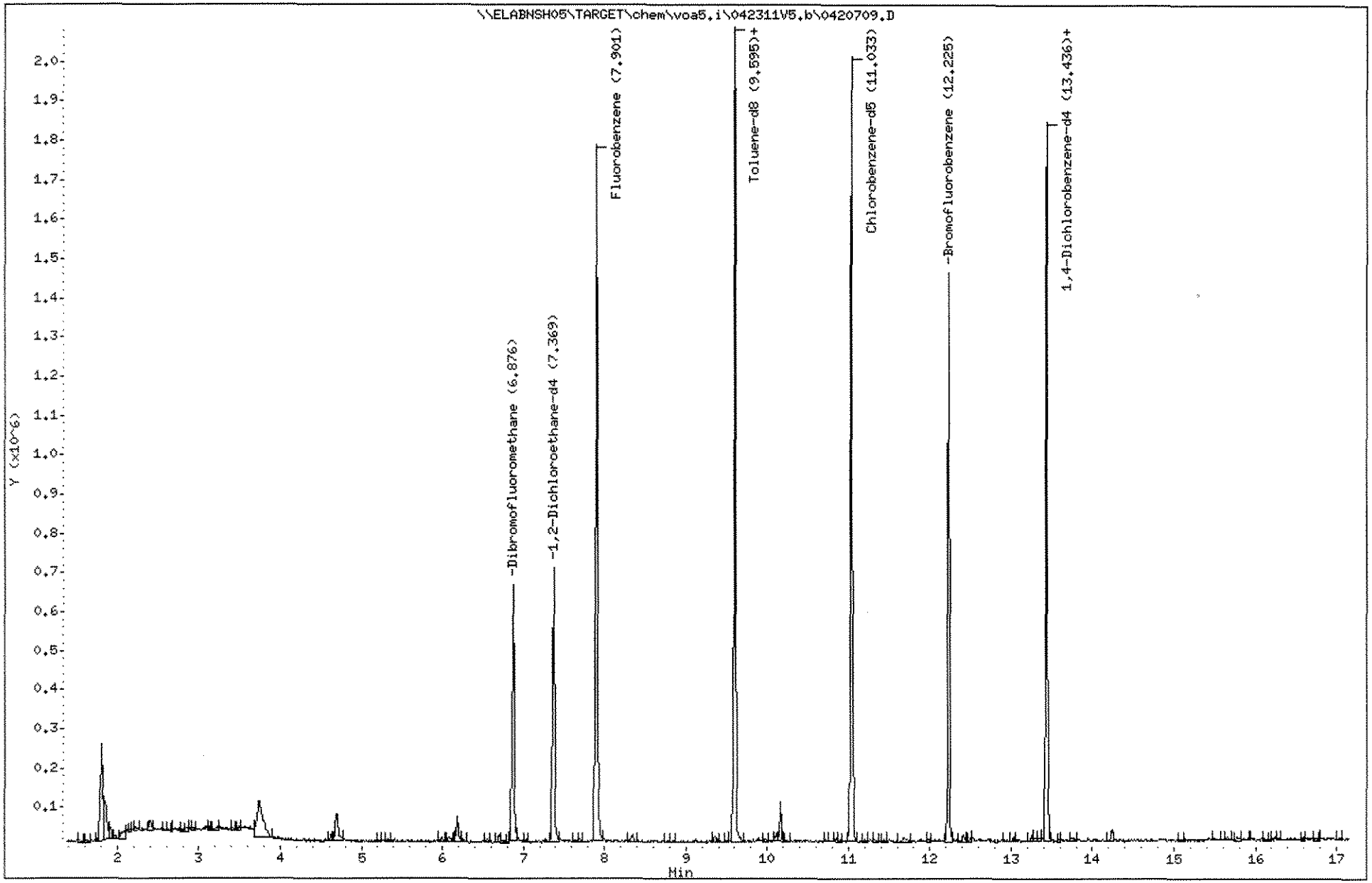
Data File: \\ELABNSH05\TARGET\chem\voa5.i\042311V5.b\0420709.D
Report Date: 24-Apr-2011 05:41

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
124 Naphthalene	128	15.652	15.658	(1.165)	6153	0.32021	0.3202(a)
126 1,2,3-Trichlorobenzene	180	15.938	15.943	(1.186)	1431	0.19370	0.1937(aQ)

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.

Data File: \\ELABNSH05\TARGET\chem\voa5.i\042311V5.b\0420709.D
Date : 23-APR-2011 14:00
Client ID: FB04151101
Instrument: voa5.i
Sample Info: 1104207-09;;;;;
Purge Volume: 5.0
Operator: ADM
Column phase: RTX-VRX
Column diameter: 0.25



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Date : 23-APR-2011 14:00

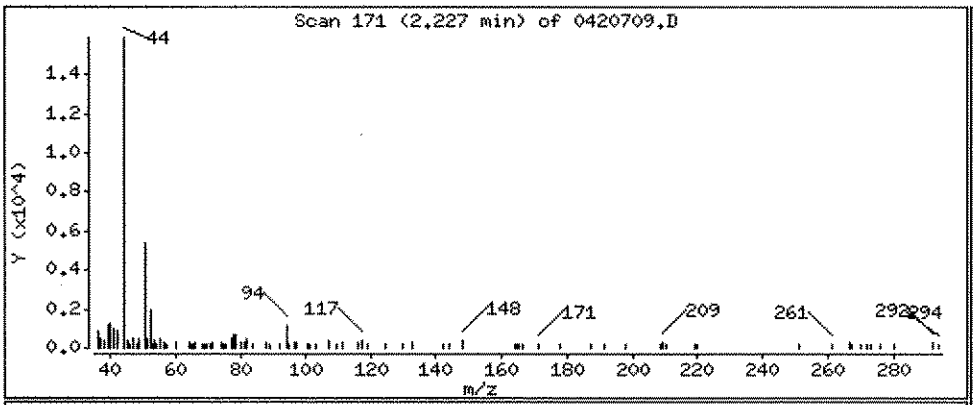
Client ID: FB04151101 Instrument: voa5.i

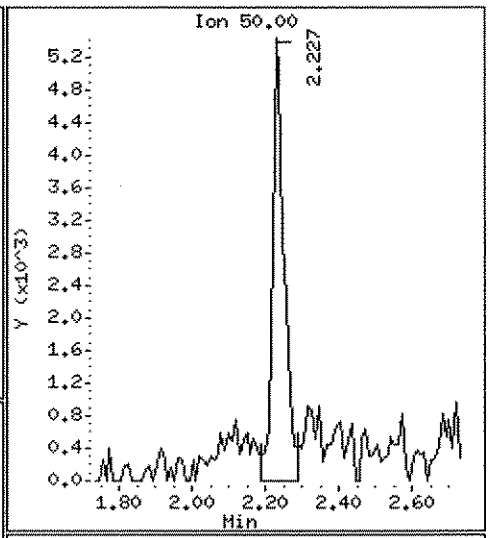
Sample Info: 1104207-09;;;;;

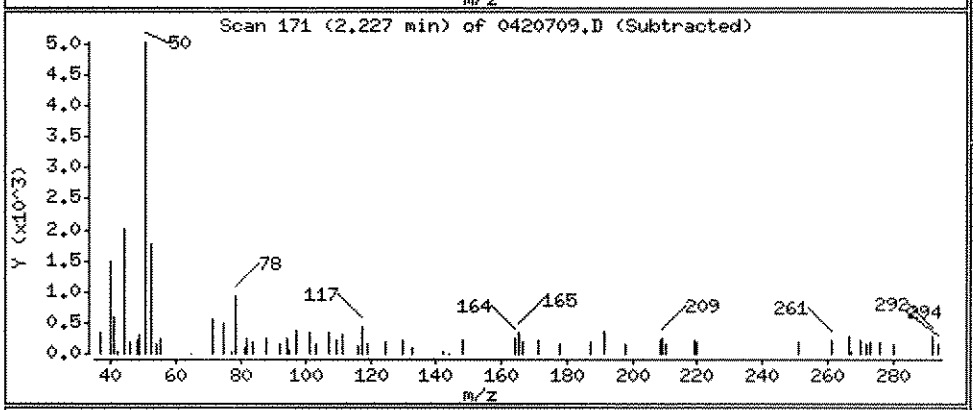
Purge Volume: 5.0 Operator: ADM

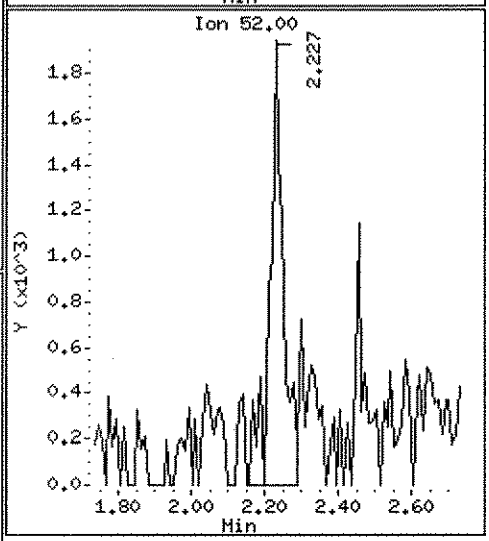
Column phase: RTX-VRX Column diameter: 0.25

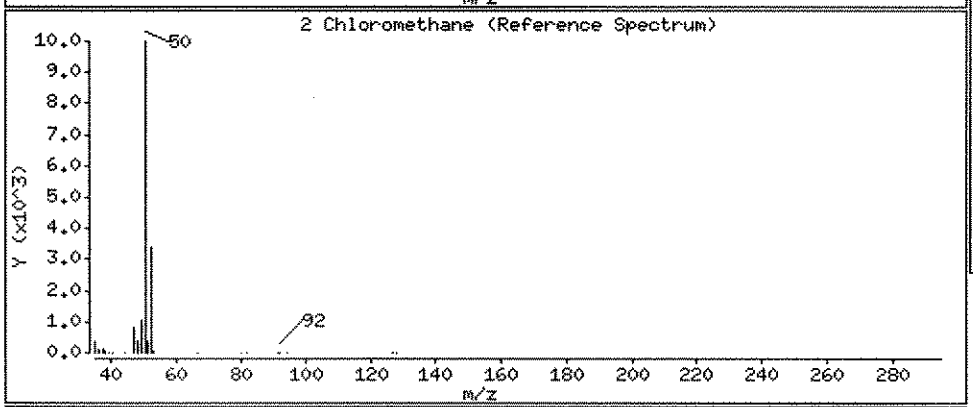
2 Chloromethane Concentration: 0.6145 ug/L

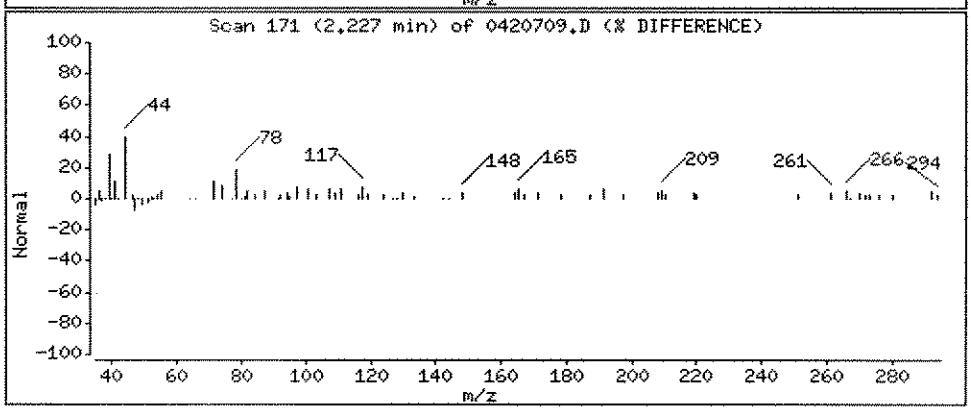












Data File: \\ELABNSH05\TARGET\chem\voa5.i\042311V5.b\0420709.D

Date : 23-APR-2011 14:00

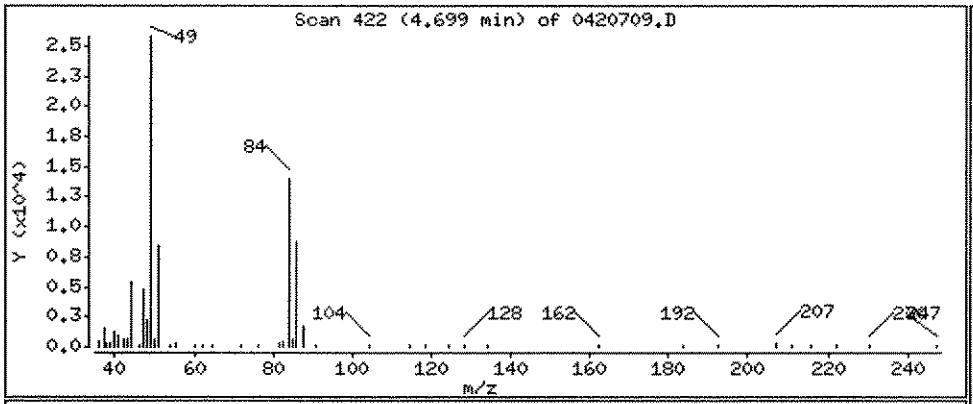
Client ID: FB04151101 Instrument: voa5.i

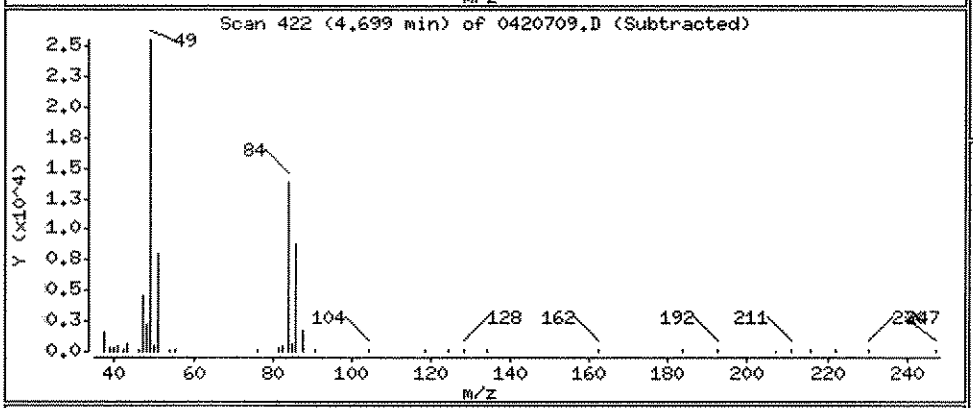
Sample Info: 1104207-09;;;;;

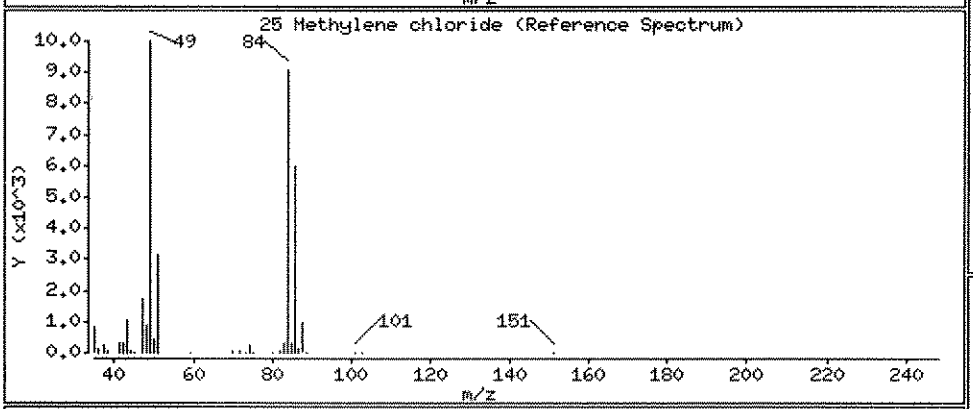
Purge Volume: 5.0 Operator: ADM

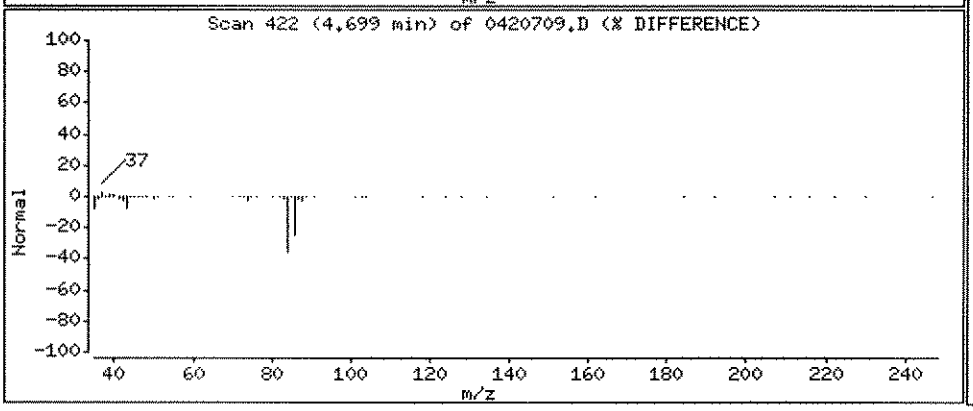
Column phase: RTX-VRX Column diameter: 0.25

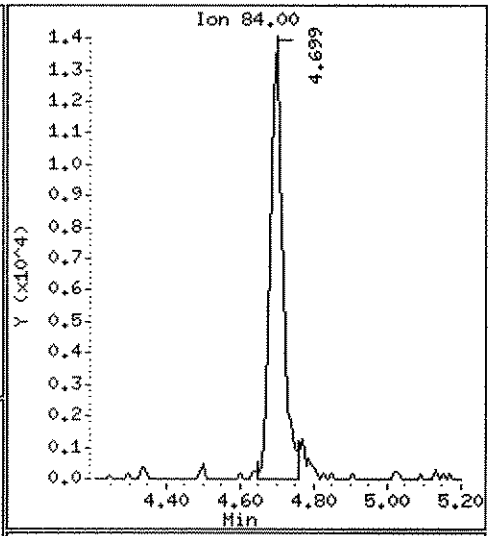
25 Methylene chloride Concentration: 3.056 ug/L

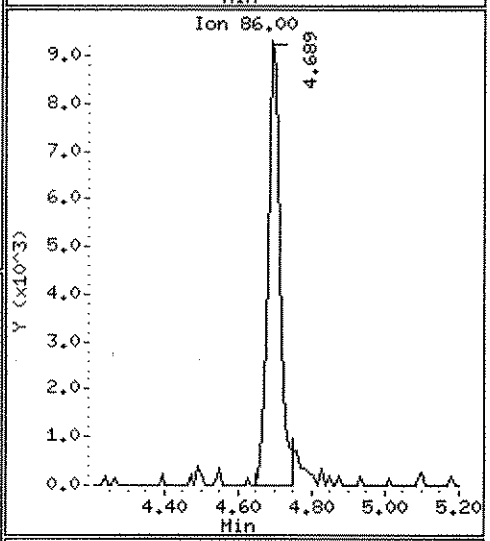


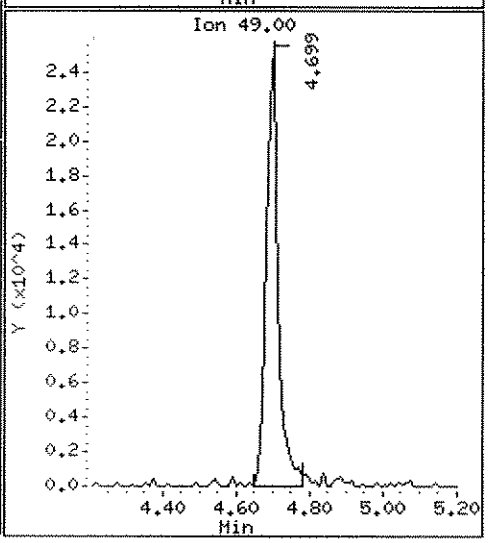












Data File: \\ELABNSH05\TARGET\chem\voa5.i\042311V5.b\0420709.D

Date : 23-APR-2011 14:00

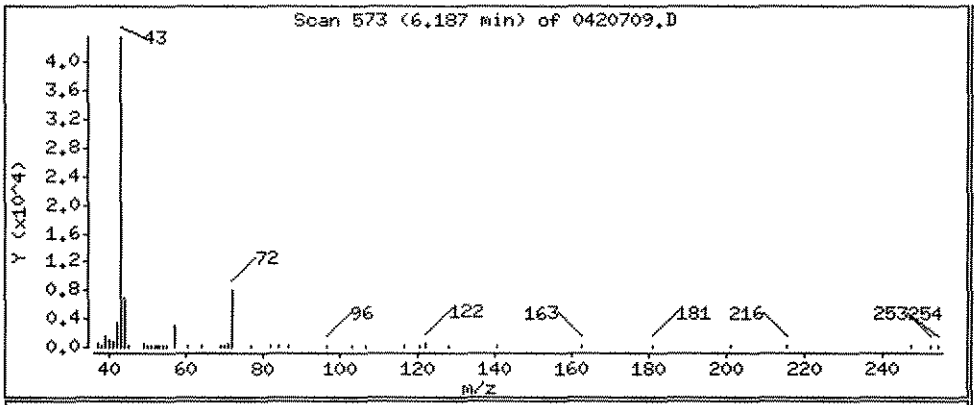
Client ID: FB04151101 Instrument: voa5.i

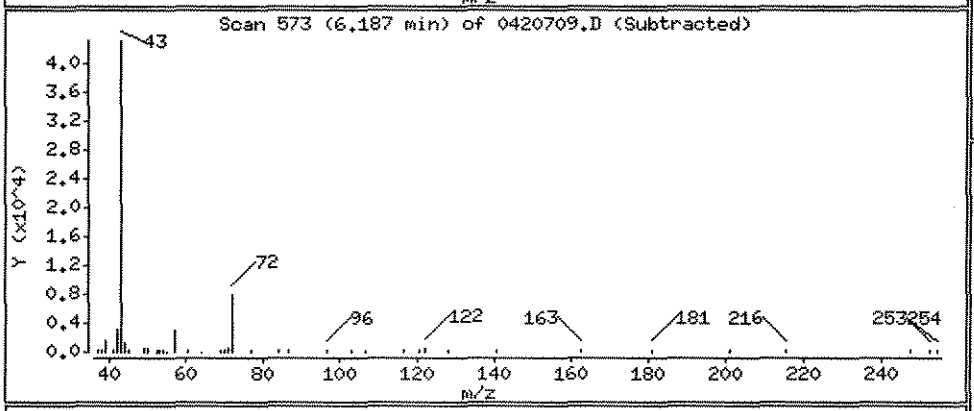
Sample Info: 1104207-09;;;;;

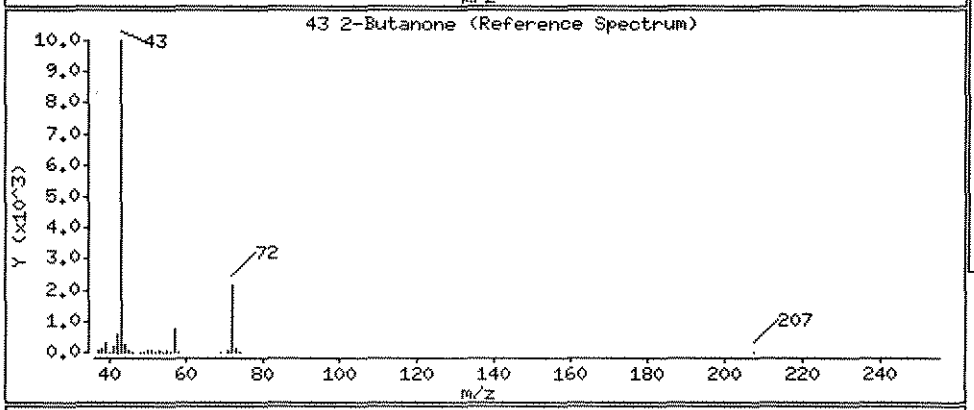
Purge Volume: 5.0 Operator: ADM

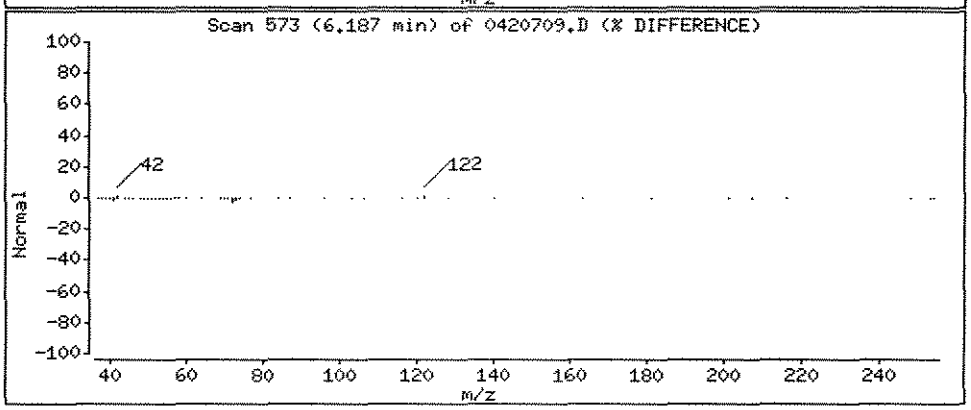
Column phase: RTX-VRX Column diameter: 0.25

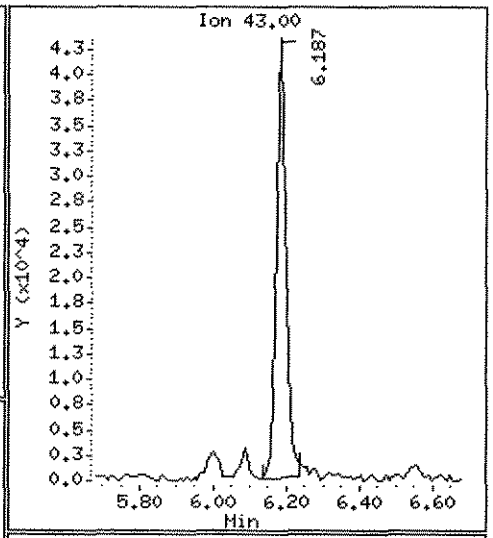
43 2-Butanone Concentration: 13.76 ug/L

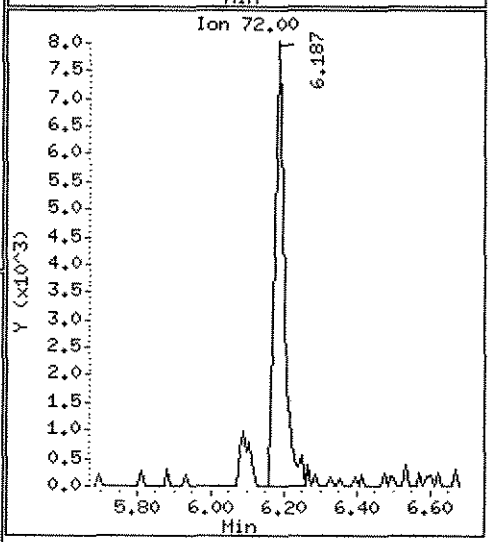












Data File: \\ELABNSH05\TARGET\chem\voa5.i\042311V5.b\0420709.D

Date : 23-APR-2011 14:00

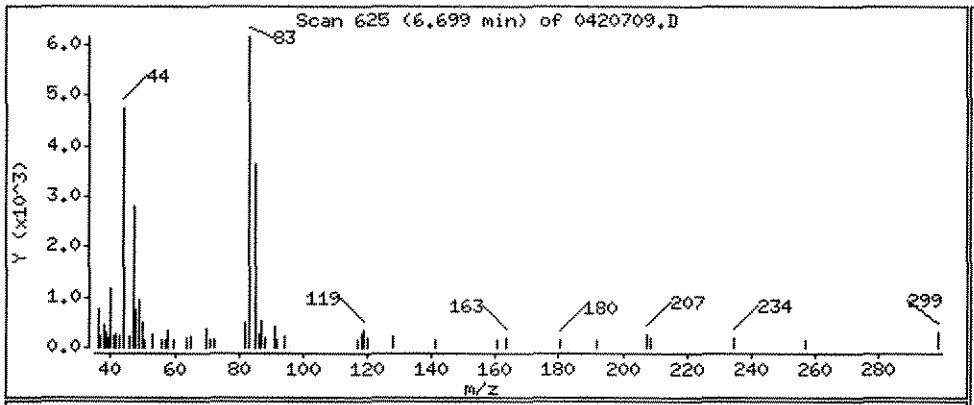
Client ID: FB04151101 Instrument: voa5.i

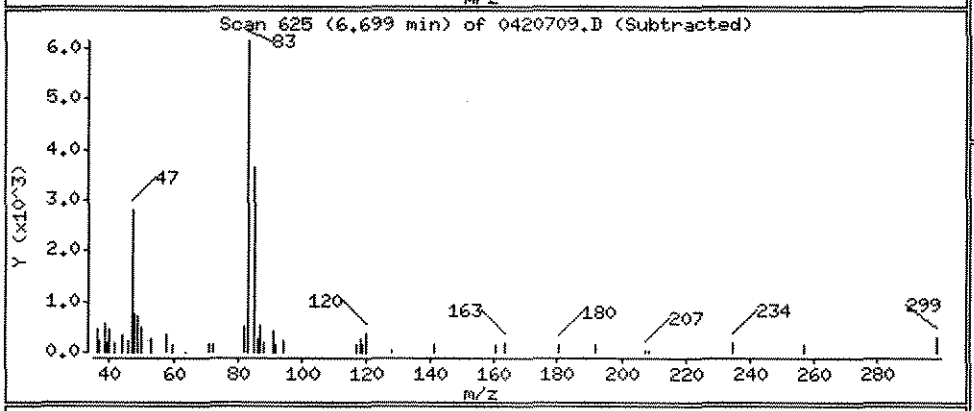
Sample Info: 1104207-09;;;;;

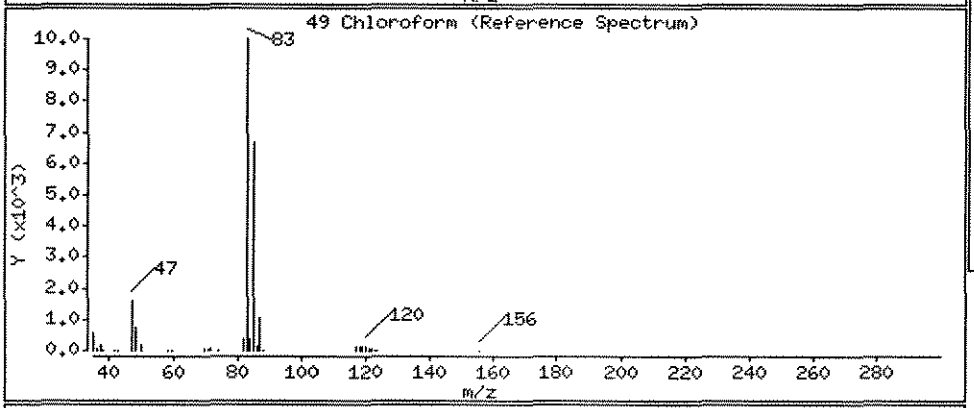
Purge Volume: 5.0 Operator: ADM

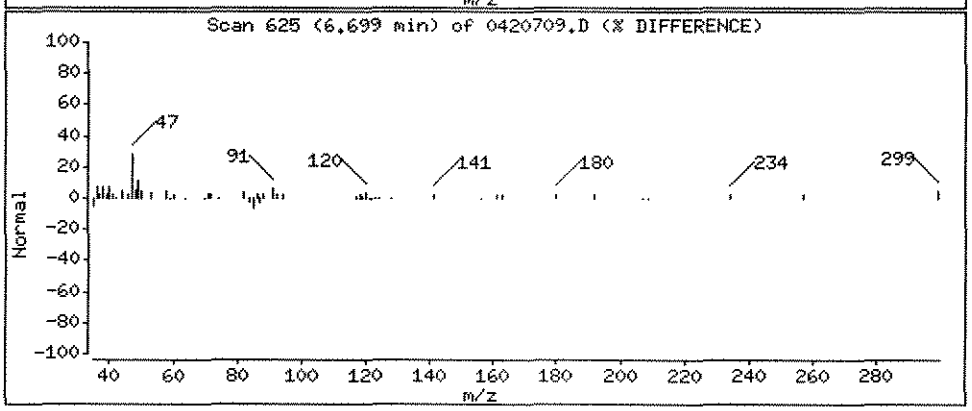
Column phase: RTX-VRX Column diameter: 0.25

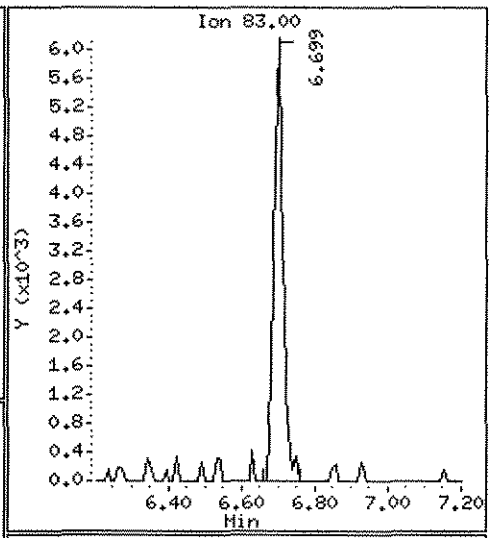
49 Chloroform Concentration: 0.6167 ug/L

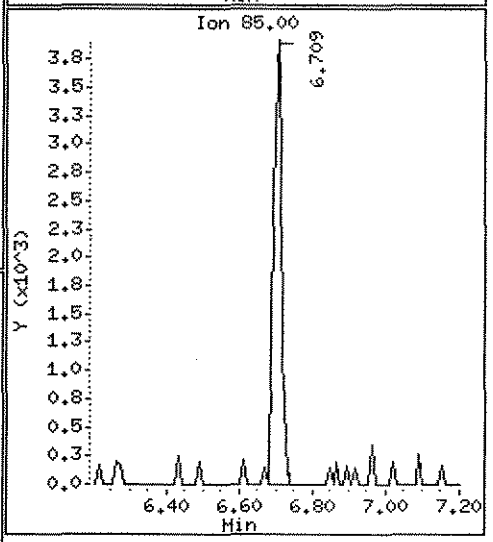












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Date : 23-APR-2011 14:00

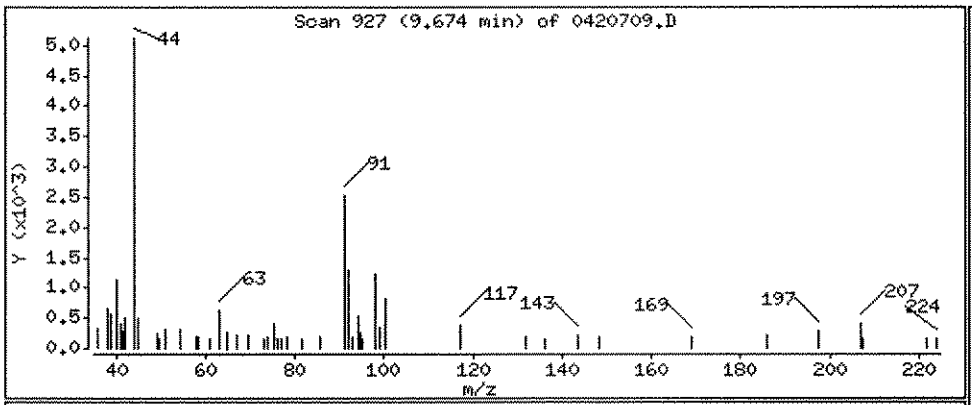
Client ID: FB04151101 Instrument: voa5.i

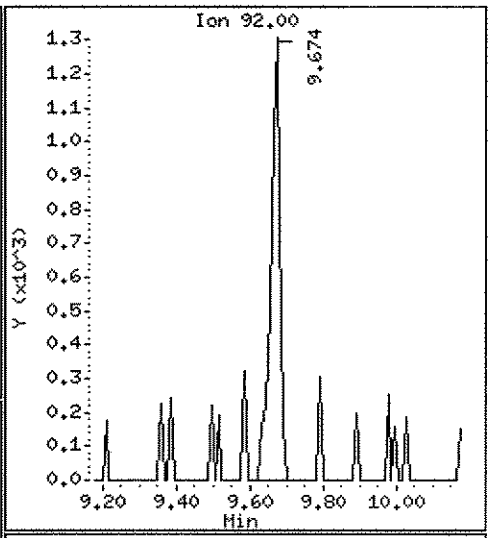
Sample Info: 1104207-09;;;;;

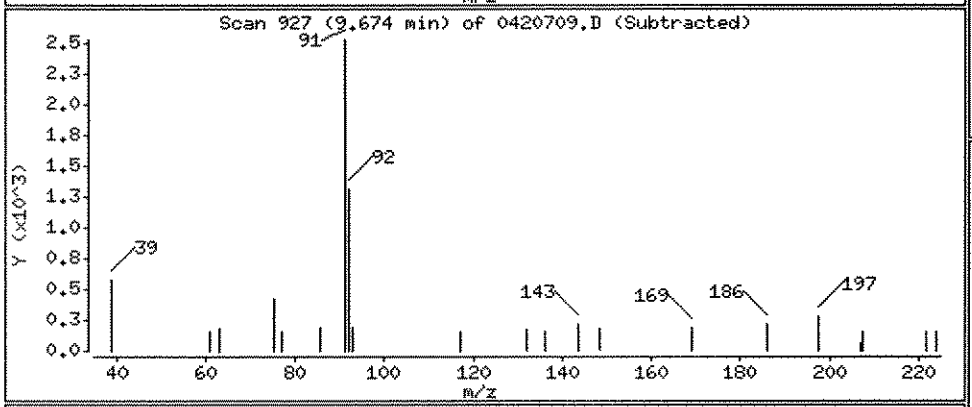
Purge Volume: 5.0 Operator: ADM

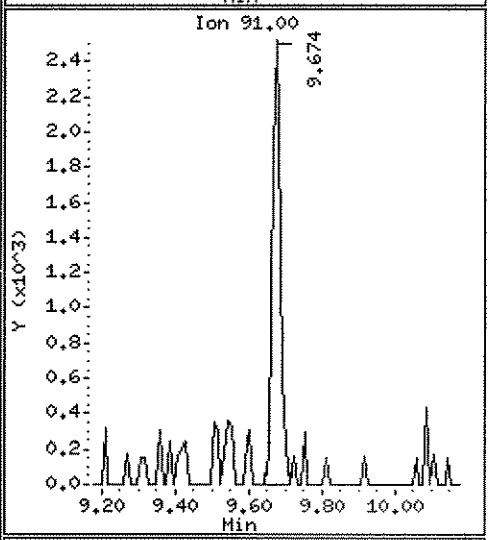
Column phase: RTX-VRX Column diameter: 0.25

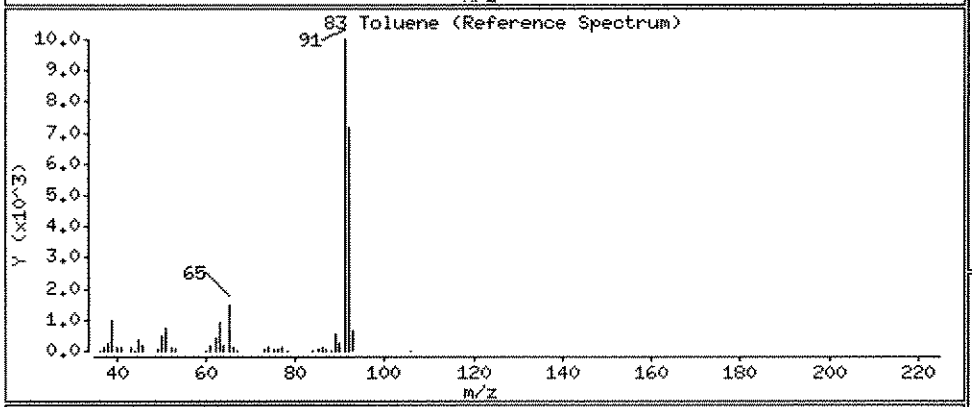
83 Toluene Concentration: 0.1219 ug/L

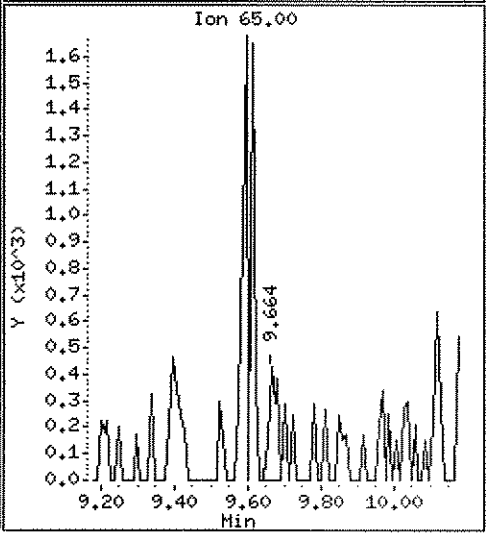


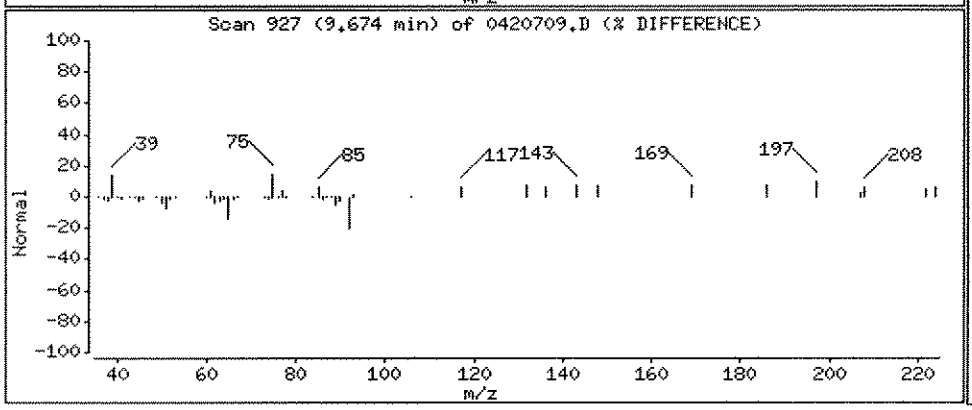












Data File: \\ELABNSH05\TARGET\chem\voa5.i\042311V5.b\0420709.D

Date : 23-APR-2011 14:00

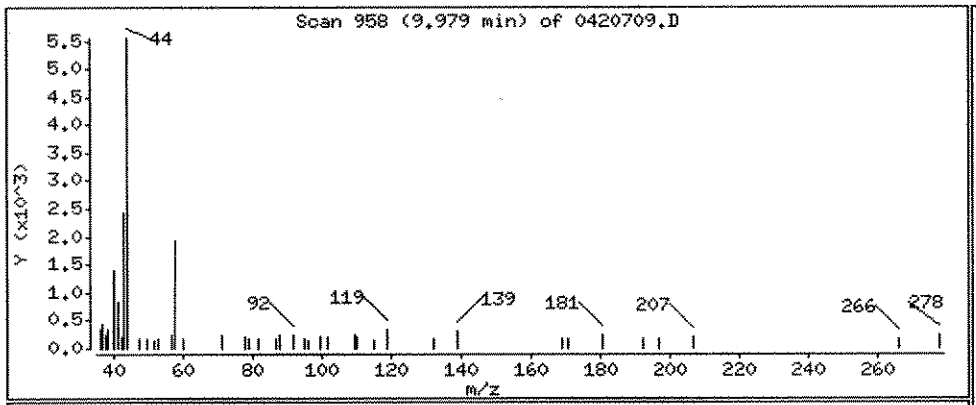
Client ID: FB04151101 Instrument: voa5.i

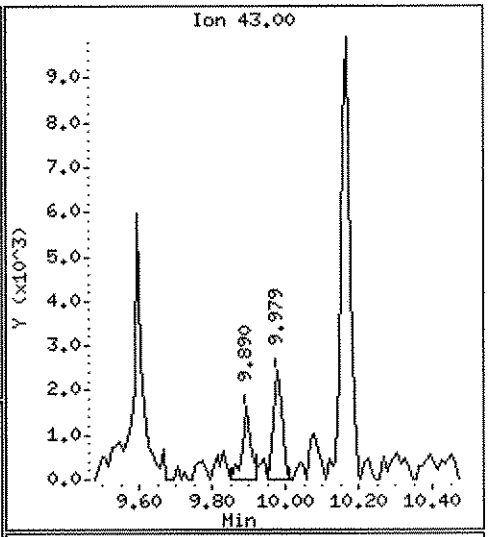
Sample Info: 1104207-09;;;;;

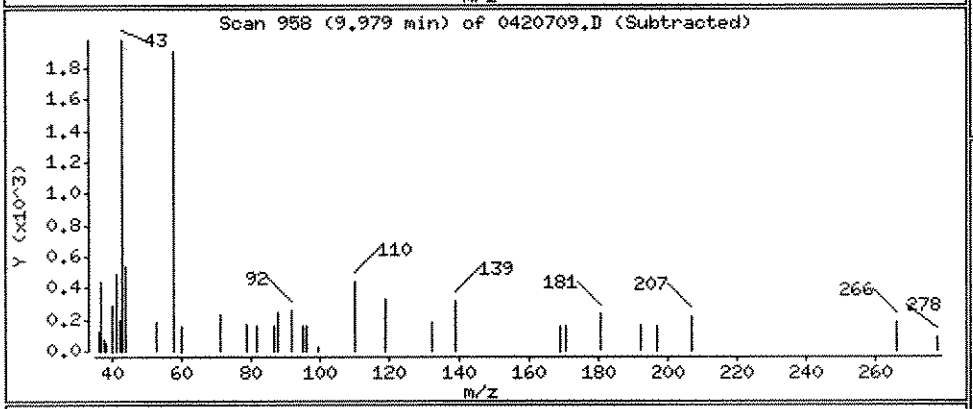
Purge Volume: 5.0 Operator: ADM

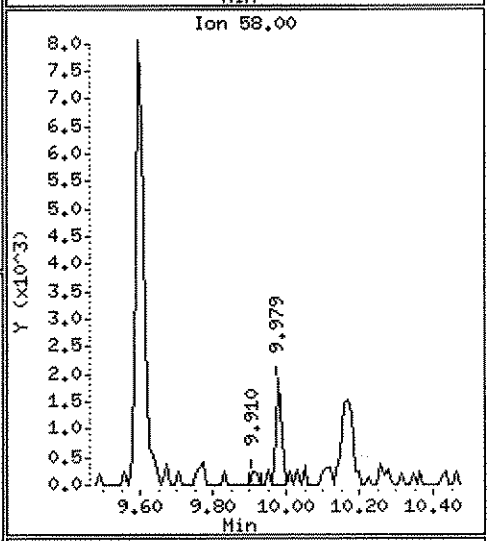
Column phase: RTX-VRX Column diameter: 0.25

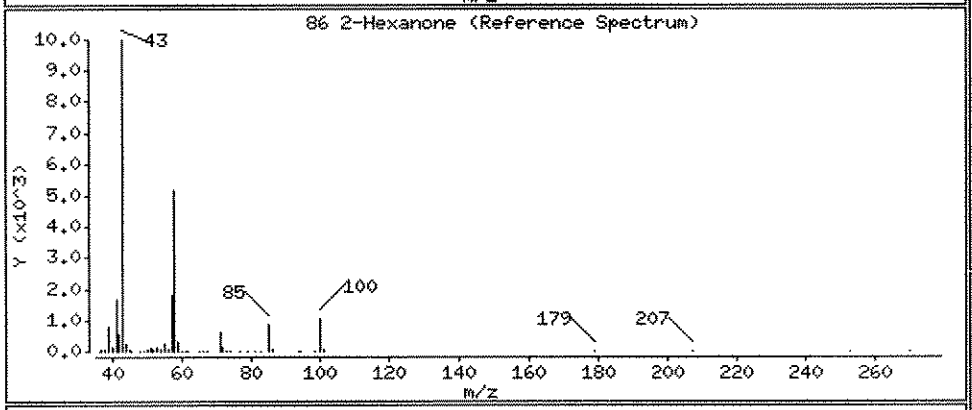
86 2-Hexanone Concentration: 0.4946 ug/L

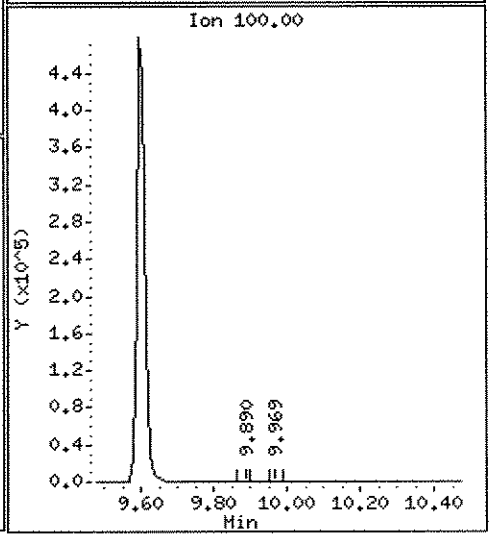


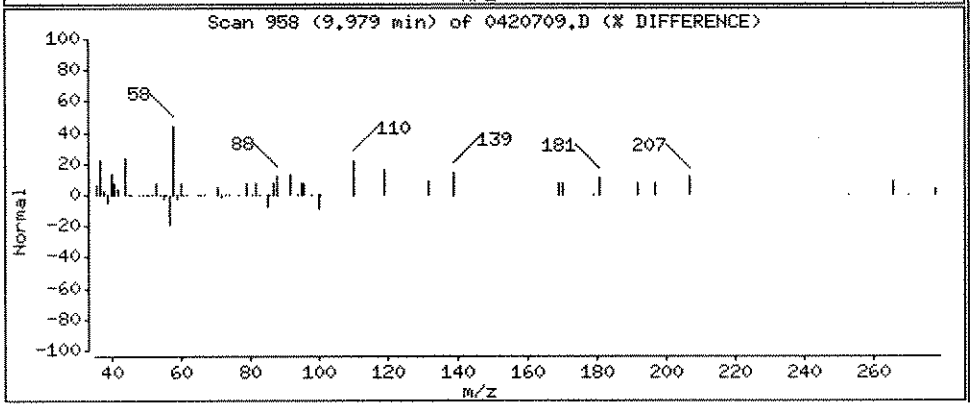












Data File: \\ELABNSH05\TARGET\chem\voa5.i\042311V5.b\0420709.D

Date : 23-APR-2011 14:00

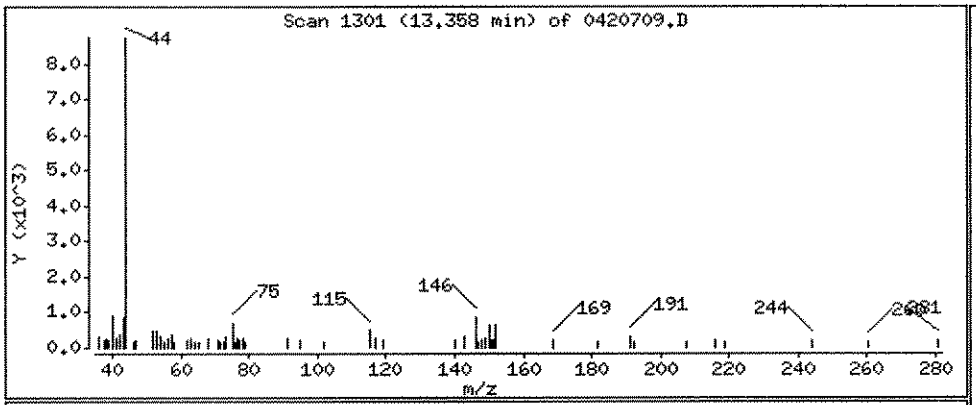
Client ID: FB04151101 Instrument: voa5.i

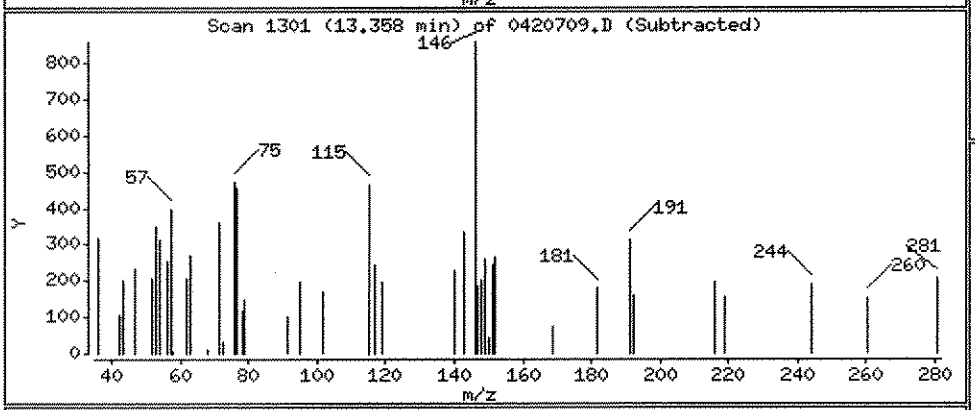
Sample Info: 1104207-09;;;;;

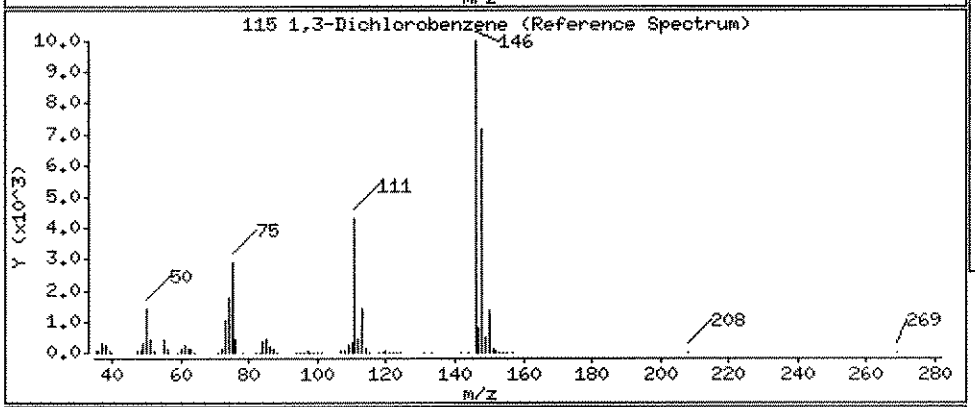
Purge Volume: 5.0 Operator: ADM

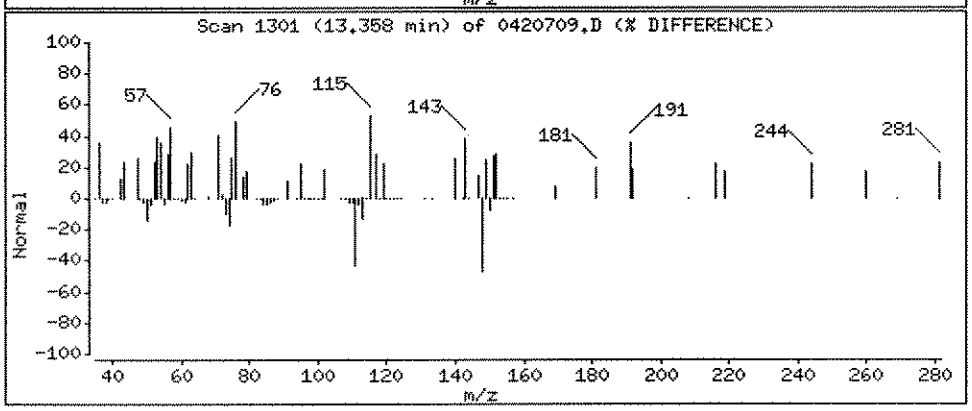
Column phase: RTX-VRX Column diameter: 0.25

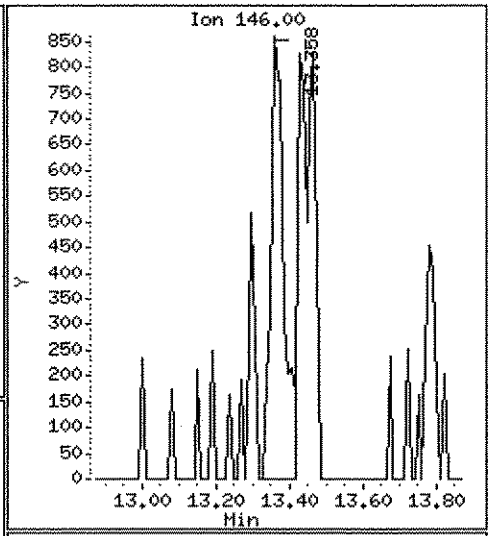
115 1,3-Dichlorobenzene Concentration: 0.1456 ug/L

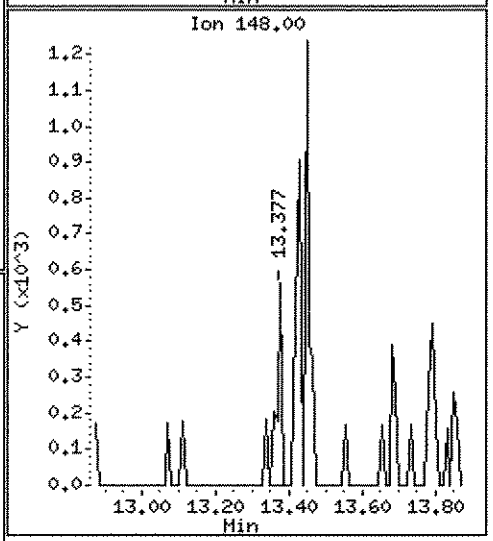






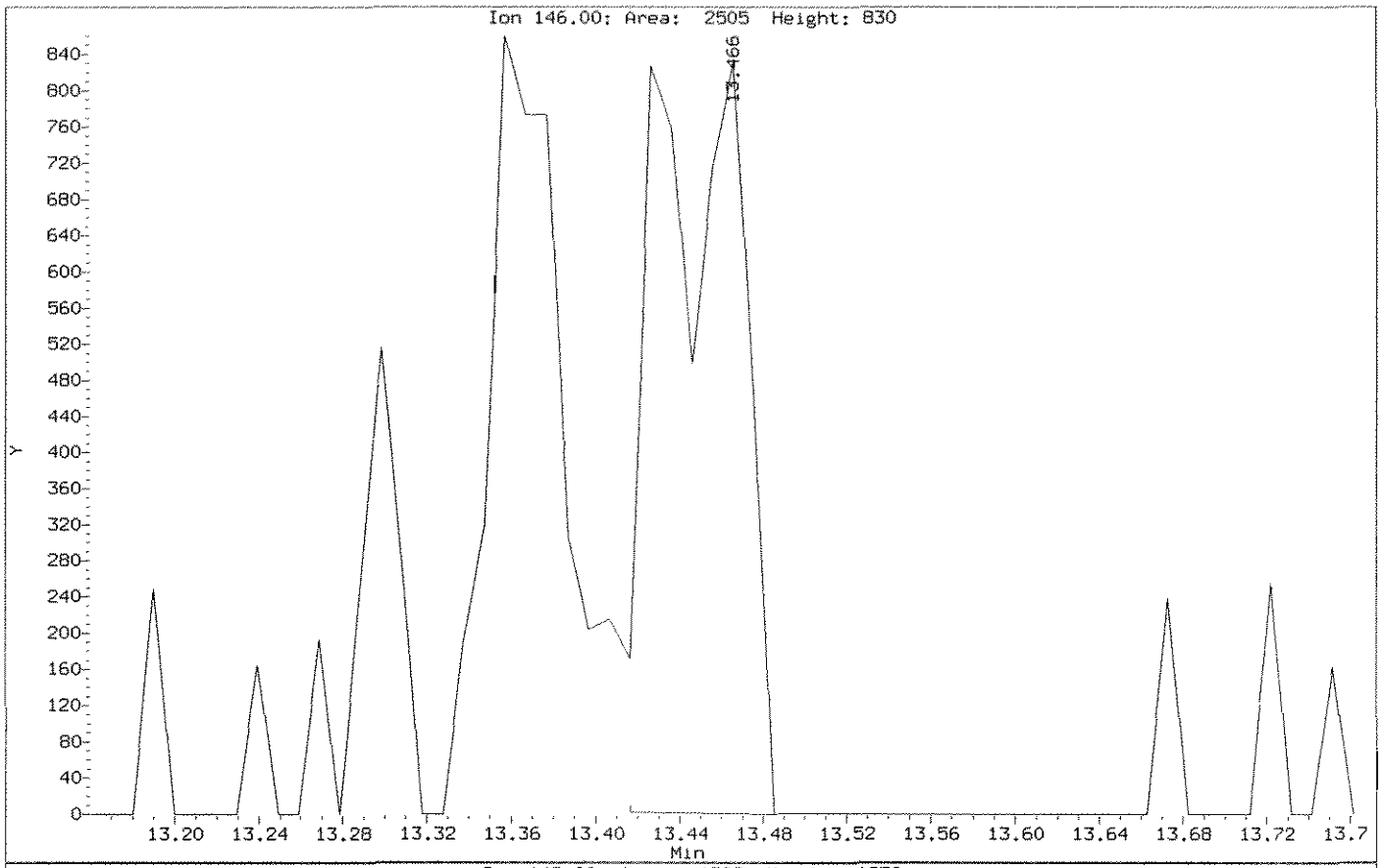


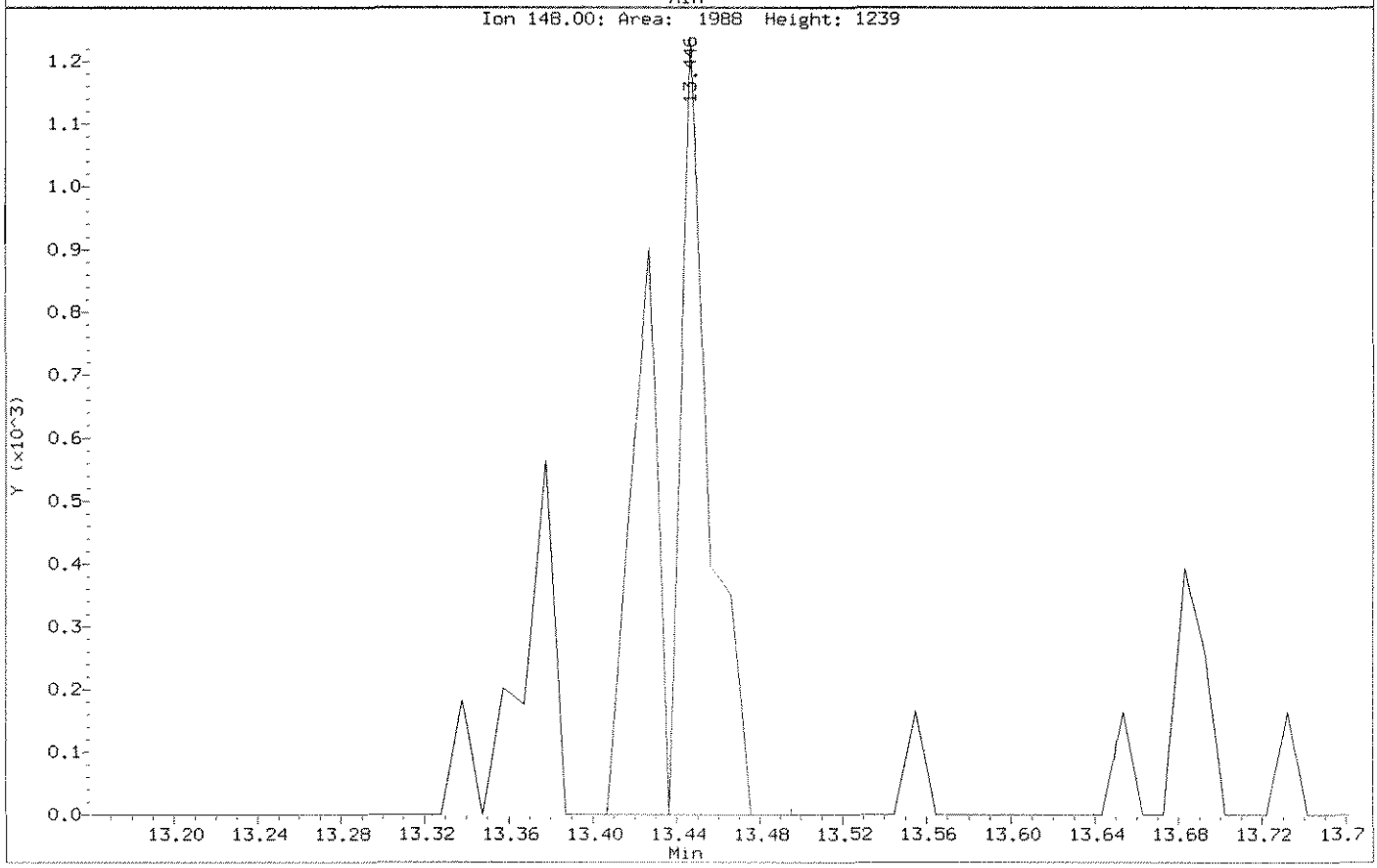




Data File: \\ELABNSHO5\TARGET\chem\voa5.i\042311V5.b\0420709.D
Injection Date: 23-APR-2011 14:00
Instrument: voa5.i
Client Sample ID: FB04151101

Compound: 1,4-Dichlorobenzene
CAS Number: 106-46-7





Data File: \\ELABNSH05\TARGET\chem\voa5.i\042311V5.b\0420709.D

Date : 23-APR-2011 14:00

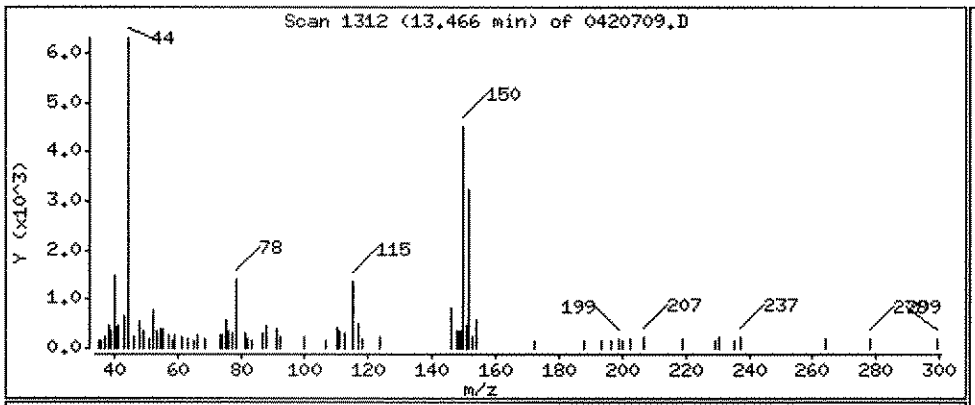
Client ID: FB04151101 Instrument: voa5.i

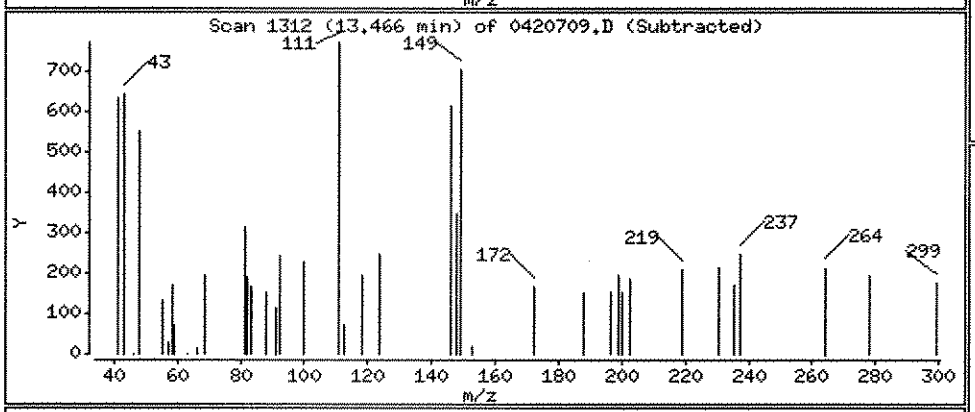
Sample Info: 1104207-09;;;;;

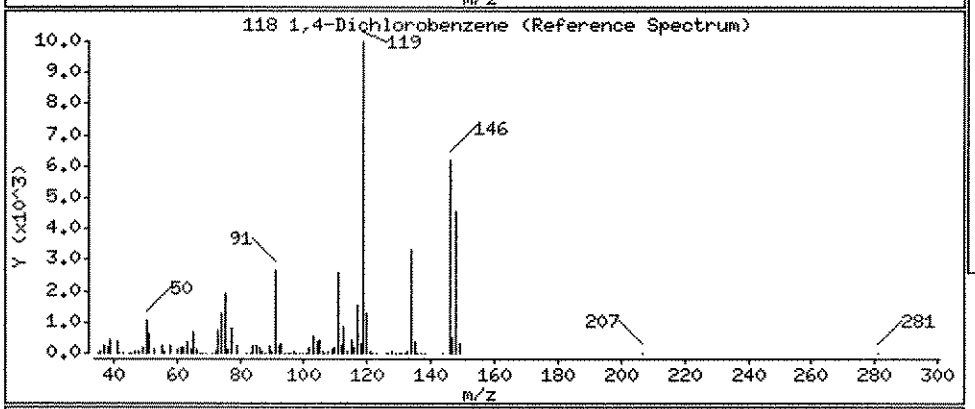
Purge Volume: 5.0 Operator: ADM

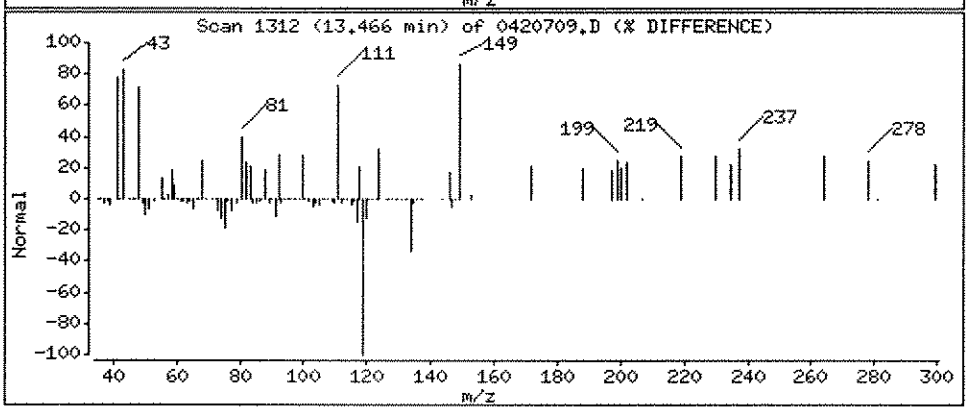
Column phase: RTX-VRX Column diameter: 0.25

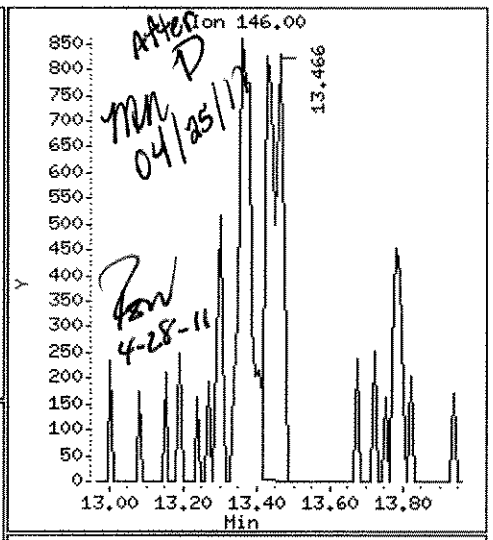
118 1,4-Dichlorobenzene Concentration: 0.1536 ug/L

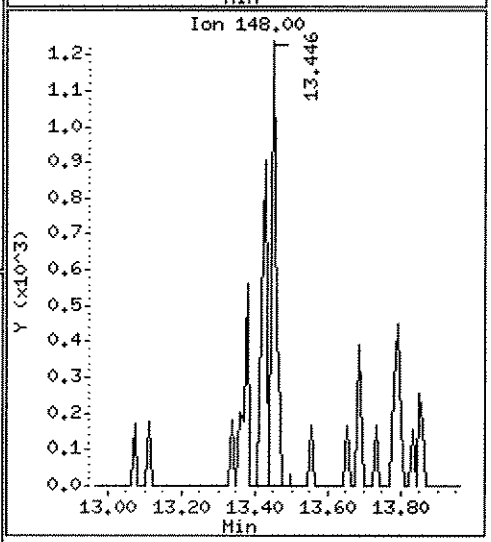












Data File: \\ELABNSH05\TARGET\chem\voa5.i\042311V5.b\0420709.D

Date : 23-APR-2011 14:00

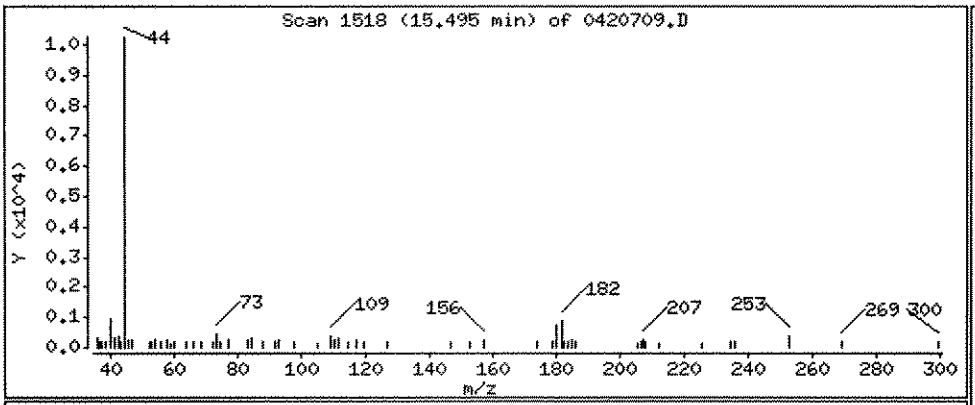
Client ID: FB04151101 Instrument: voa5.i

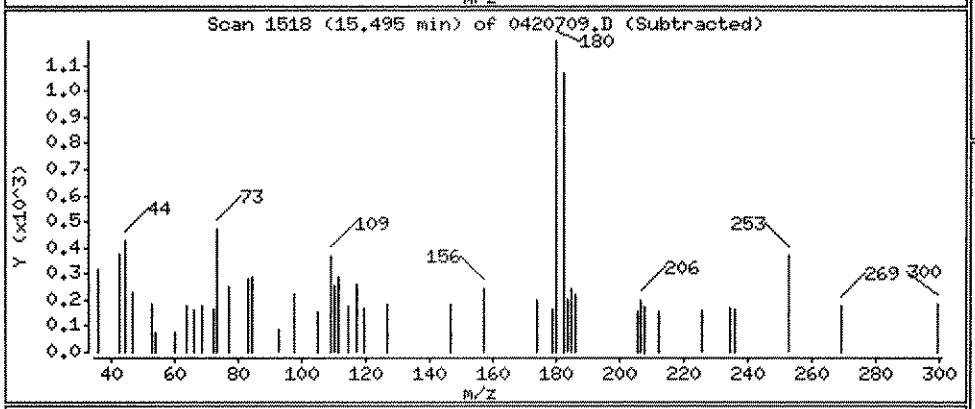
Sample Info: 1104207-09;;;;;

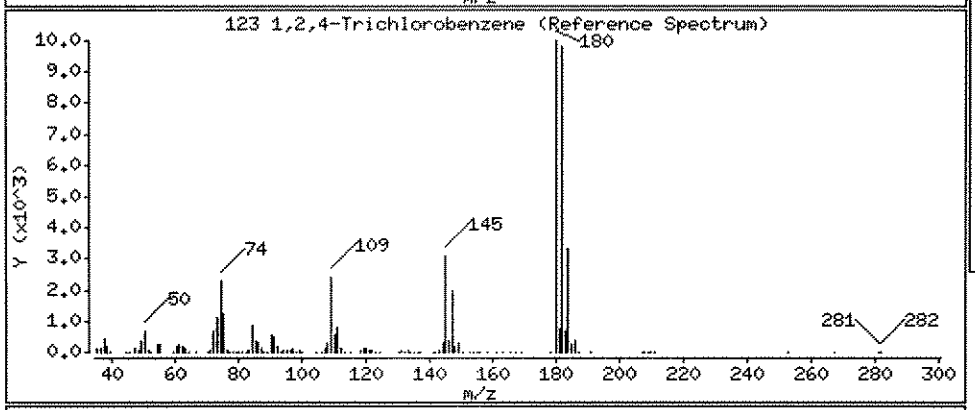
Purge Volume: 5.0 Operator: ADM

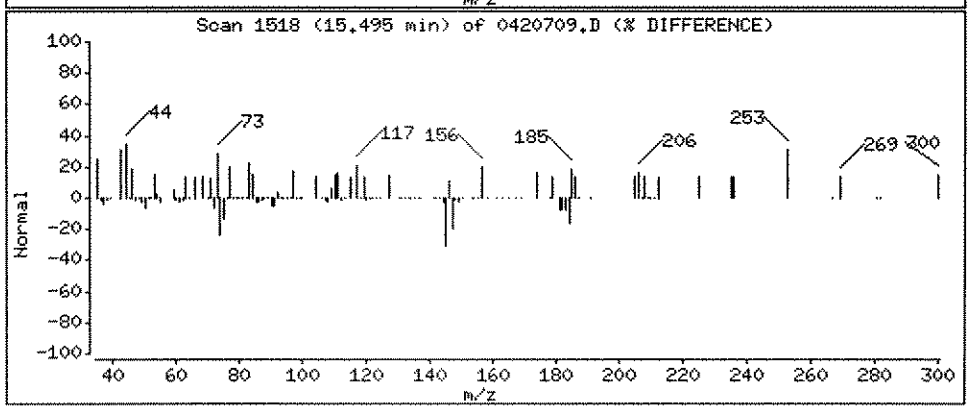
Column phase: RTX-VRX Column diameter: 0.25

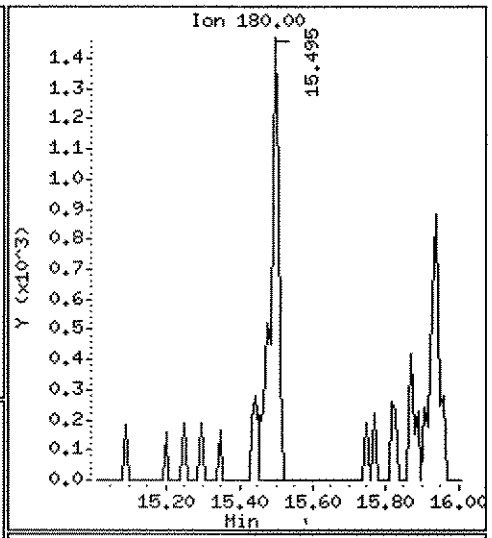
123 1,2,4-Trichlorobenzene Concentration: 0.2868 ug/L

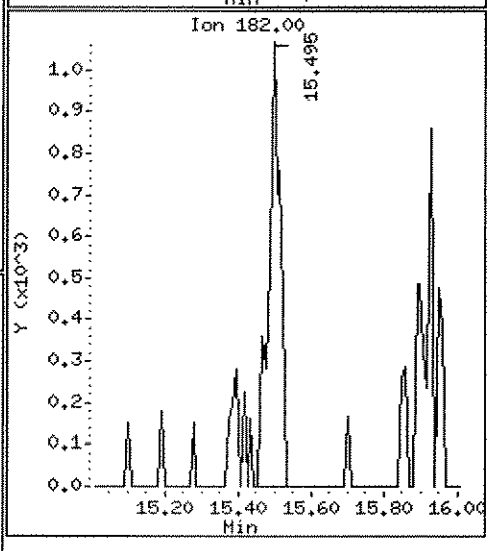












Data File: \\ELABNSH05\TARGET\chem\voa5.i\042311V5.b\0420709.D

Date : 23-APR-2011 14:00

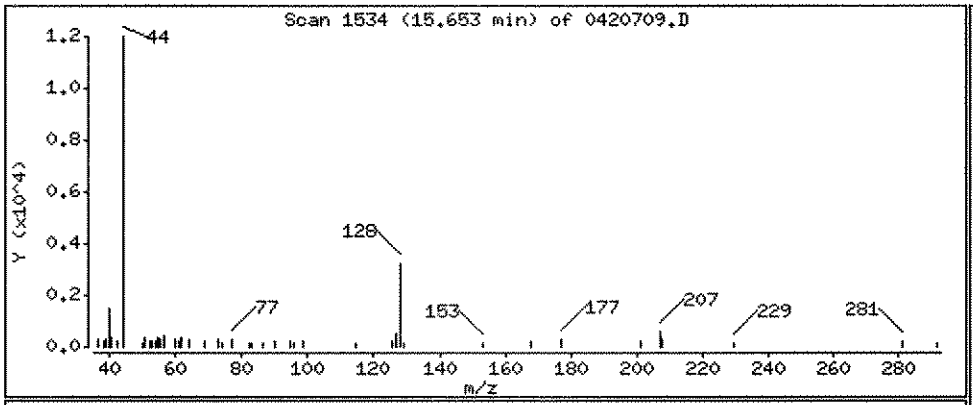
Client ID: FB04151101 Instrument: voa5.i

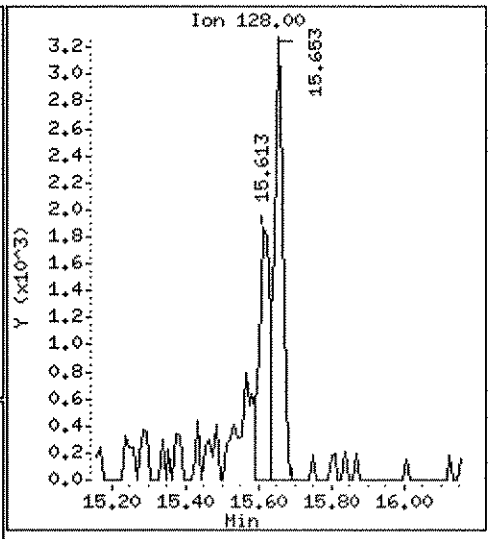
Sample Info: 1104207-09;;;;;

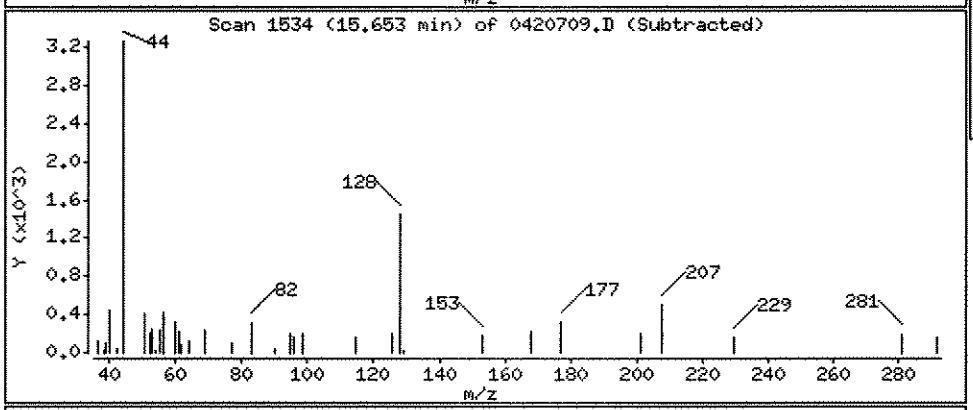
Purge Volume: 5.0 Operator: ADM

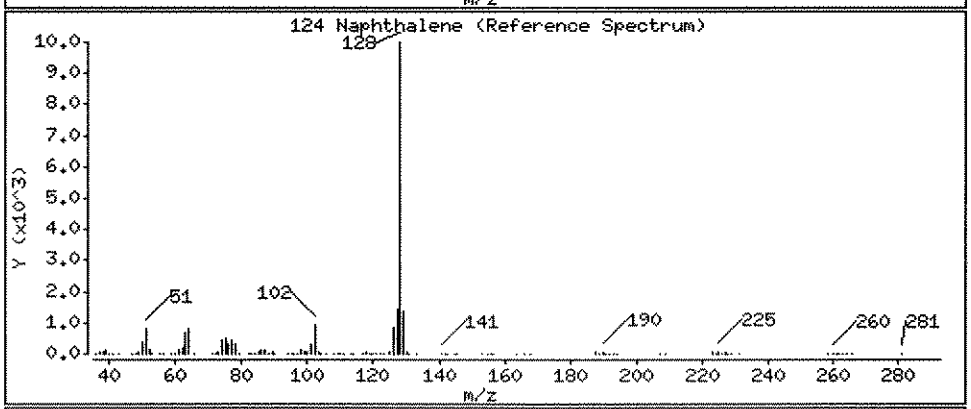
Column phase: RTX-VRX Column diameter: 0.25

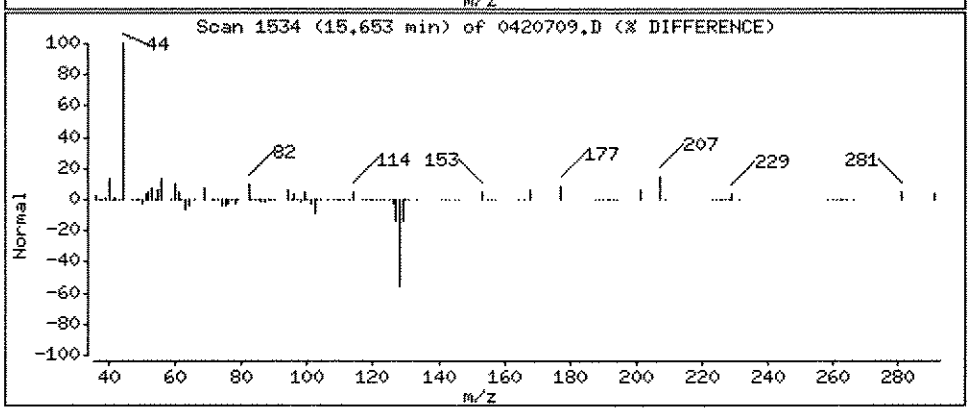
124 Naphthalene Concentration: 0.3202 ug/L











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Date : 23-APR-2011 14:00

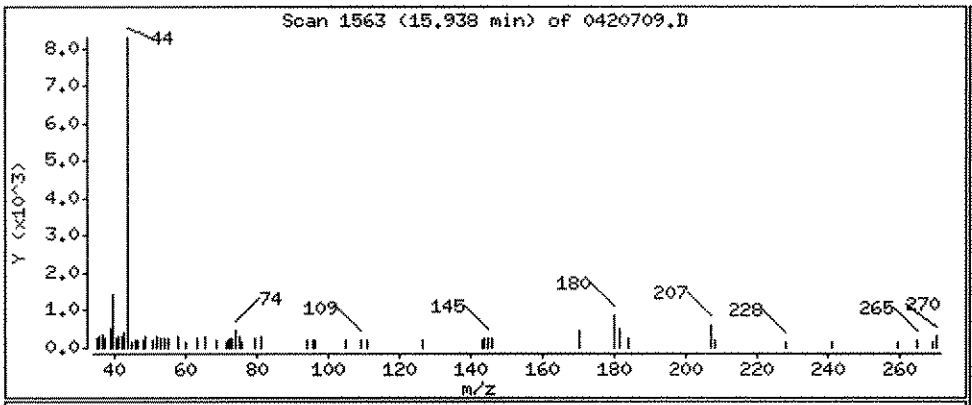
Client ID: FB04151101 Instrument: voa5.i

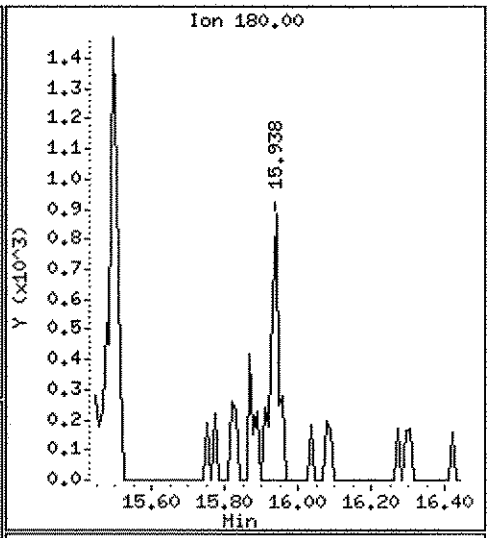
Sample Info: 1104207-09;;;;;

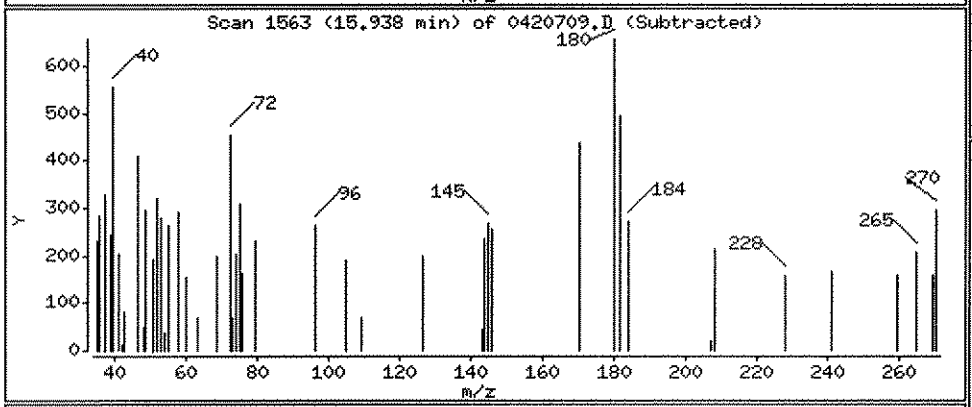
Purge Volume: 5.0 Operator: ADM

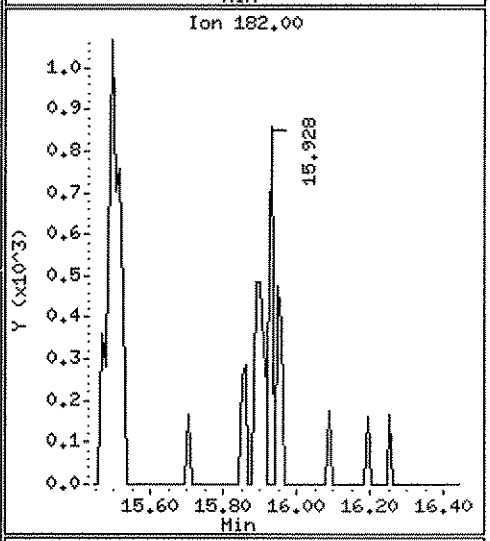
Column phase: RTX-VRX Column diameter: 0.25

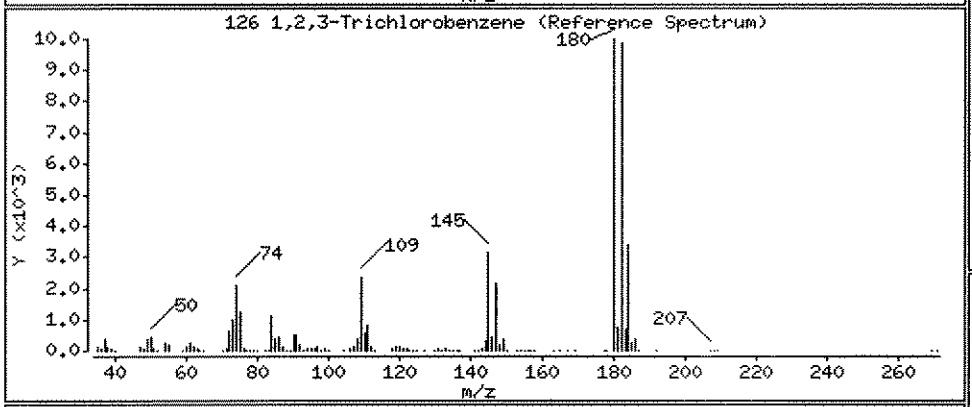
126 1,2,3-Trichlorobenzene Concentration: 0.1937 ug/L

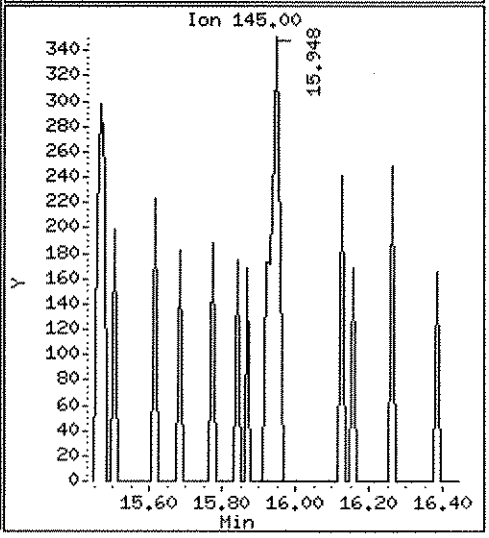


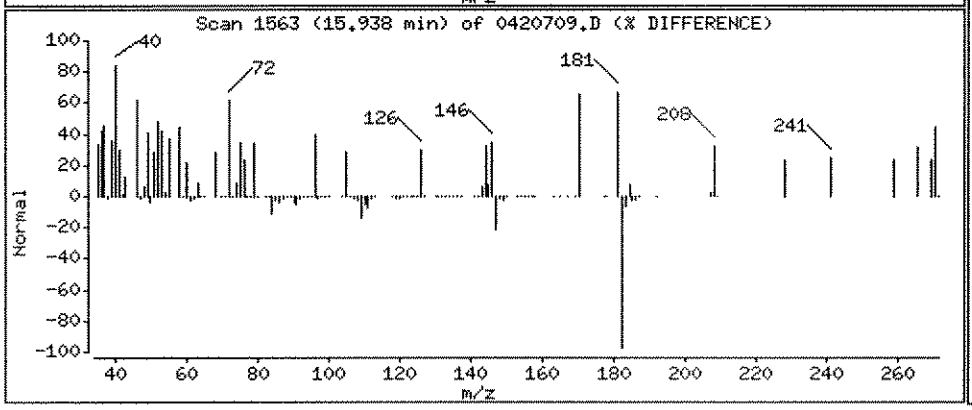












Data File: \\ELABNSH05\TARGET\chem\voa5.i\042311V5.b\0420703.D
Report Date: 24-Apr-2011 05:41

Laboratory Name

Data file : \\ELABNSH05\TARGET\chem\voa5.i\042311V5.b\0420703.D
Lab Smp Id: 1104207-03 Client Smp ID: OLF54 MW14D
Inj Date : 23-APR-2011 14:26 MS Autotune Date: 28-JUL-1998 05:19
Operator : ADM Inst ID: voa5.i
Smp Info : 1104207-03;;;;;
Misc Info : ;0;;;;gm-all.sub;
Comment :
Method : \\ELABNSH05\TARGET\chem\voa5.i\042311V5.b\VW5SUR.m
Meth Date : 24-Apr-2011 05:25 ghallquist Quant Type: ISTD
Cal Date : 15-APR-2011 14:26 Cal File: 0415CALA.D
Als bottle: 32
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: gm-all.sub
Target Version: 4.04
Processing Host: TARGET07_VM

Concentration Formula: Amt * DF * 5*Uf/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	unit correction factor
Vo	5.000	Volume of sample purged (mL)

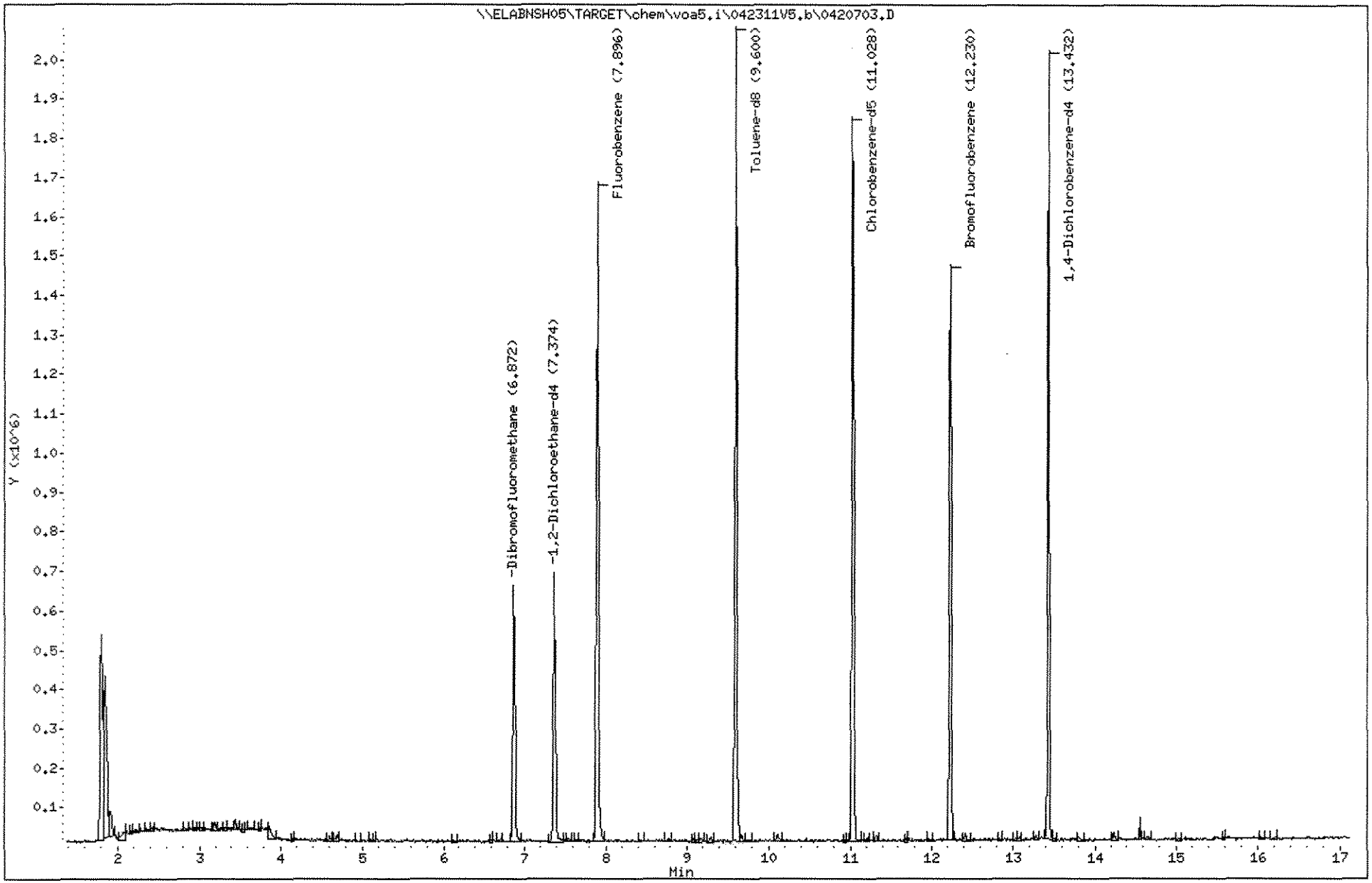
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
* 62 Fluorobenzene	96	7.896	7.906	(1.000)	1312891	30.0000	
25 Methylene chloride	84	4.694	4.704	(0.595)	7268	0.64851	0.6485(a)
49 Chloroform	83	6.704	6.704	(0.849)	3436	0.18281	0.1828(a)
$ 51 Dibromofluoromethane	111	6.871	6.871	(0.870)	384980	30.0015	30.00
$ 54 1,2-Dichloroethane-d4	102	7.374	7.374	(0.934)	80063	30.7623	30.76
$ 81 Toluene-d8	98	9.600	9.600	(0.870)	1151483	31.2847	31.28
83 Toluene	92	9.669	9.679	(0.877)	4278	0.21358	0.2136(a)
* 92 Chlorobenzene-d5	82	11.028	11.038	(1.000)	537054	30.0000	
95 m,p-Xylene	91	11.323	11.334	(1.027)	6414	0.23000	0.2300(a)
M 107 Xylene(total)	91				6414	0.23000	0.2300(a)
$ 104 Bromofluorobenzene	95	12.230	12.230	(1.109)	460620	30.5191	30.52
111 1,2,4-Trimethylbenzene	105	13.077	13.077	(0.974)	4995	0.19637	0.1964(a)
* 117 1,4-Dichlorobenzene-d4	152	13.431	13.432	(1.000)	460001	30.0000	(Q)
123 1,2,4-Trichlorobenzene	180	15.510	15.510	(1.155)	2057	0.22440	0.2244(a)
124 Naphthalene	128	15.628	15.658	(1.164)	3622	0.17800	0.1780(aH)
126 1,2,3-Trichlorobenzene	180	15.933	15.943	(1.186)	1355	0.17320	0.1732(aQ)

Data File: \\ELABNSH05\TARGET\chem\voa5.i\042311V5.b\0420703.D
Report Date: 24-Apr-2011 05:41

QC Flag Legend

a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.
H - Operator selected an alternate compound hit.

Data File: \\ELABNSH05\TARGET\chem\voa5.i\042311V5.b\0420703.D
Date : 23-APR-2011 14:26
Client ID: OLF54 MW14D
Instrument: voa5.i
Sample Info: 1104207-03;;;;;
Purge Volume: 5.0
Operator: ADM
Column phase: RTX-VRX
Column diameter: 0.25



Data File: \\ELABNSH05\TARGET\chem\voa5.i\042311V5.b\0420703.D

Date : 23-APR-2011 14:26

Client ID: OLF54 MW14D

Instrument: voa5.i

Sample Info: 1104207-03;;;;;

Purge Volume: 5.0

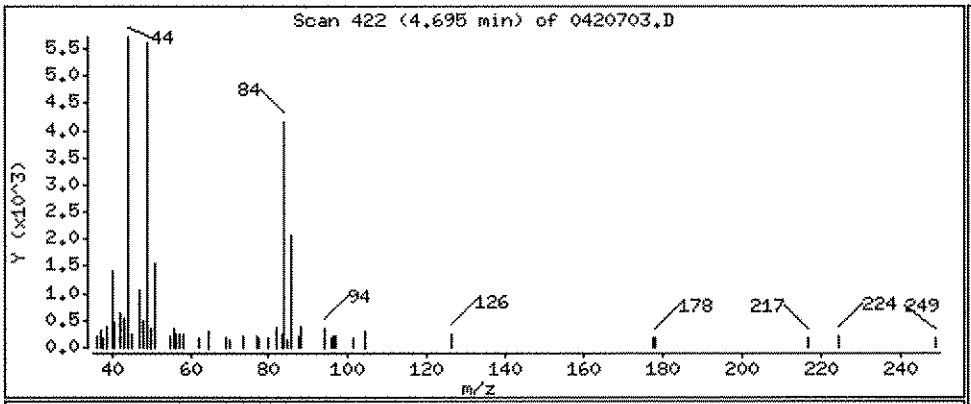
Operator: ADM

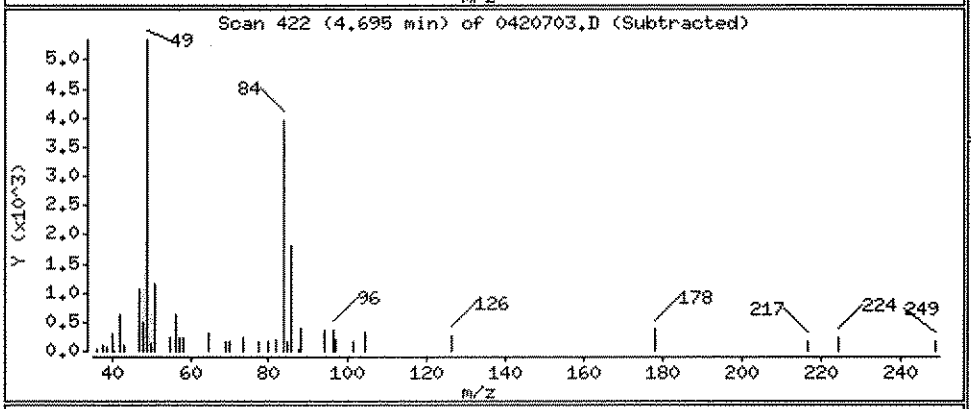
Column phase: RTX-VRX

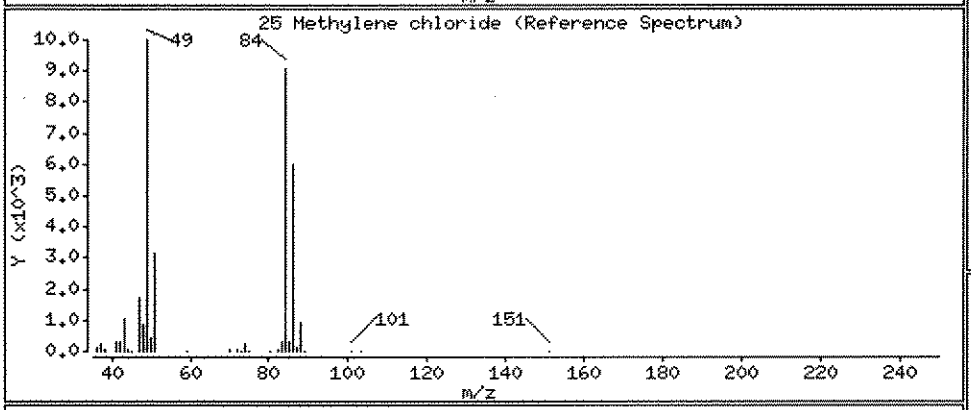
Column diameter: 0.25

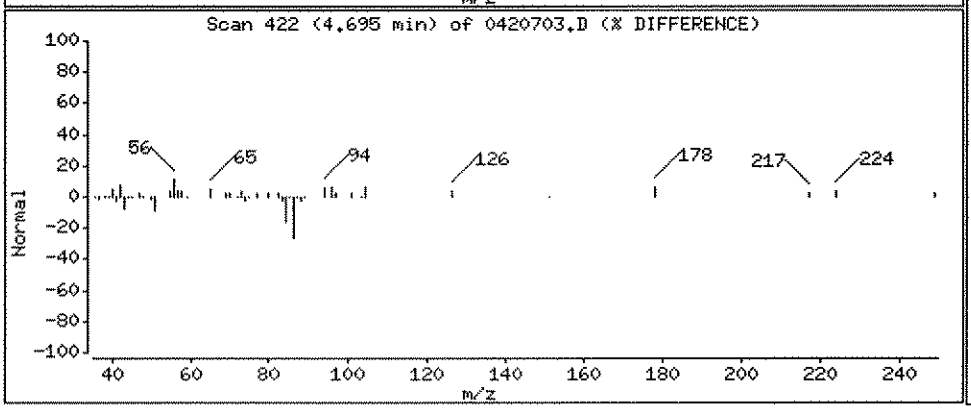
25 Methylene chloride

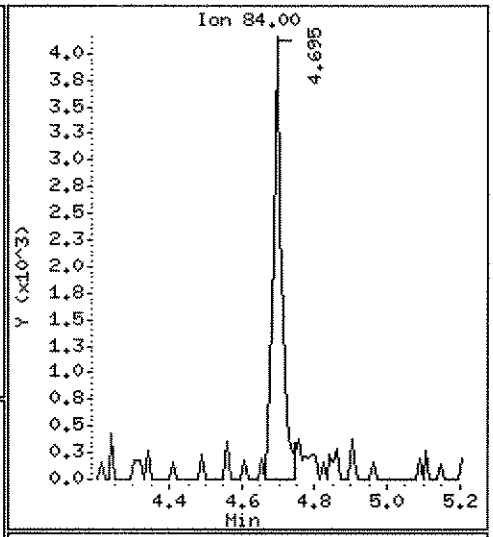
Concentration: 0.6485 ug/L

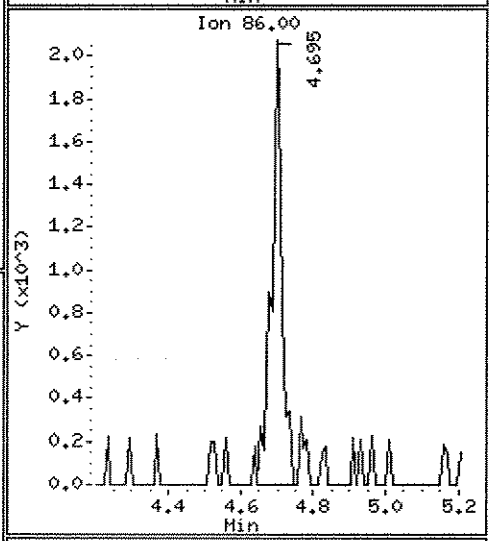


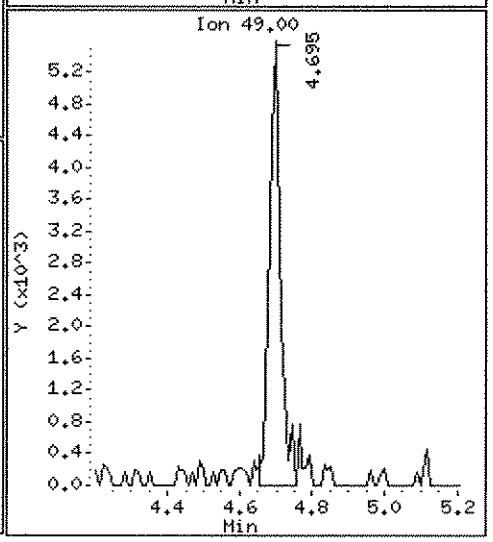












Data File: \\ELABNSH05\TARGET\chem\voa5.i\042311V5.b\0420703.D

Date : 23-APR-2011 14:26

Client ID: OLF54 MW14D

Instrument: voa5.i

Sample Info: 1104207-03;;;;;

Purge Volume: 5.0

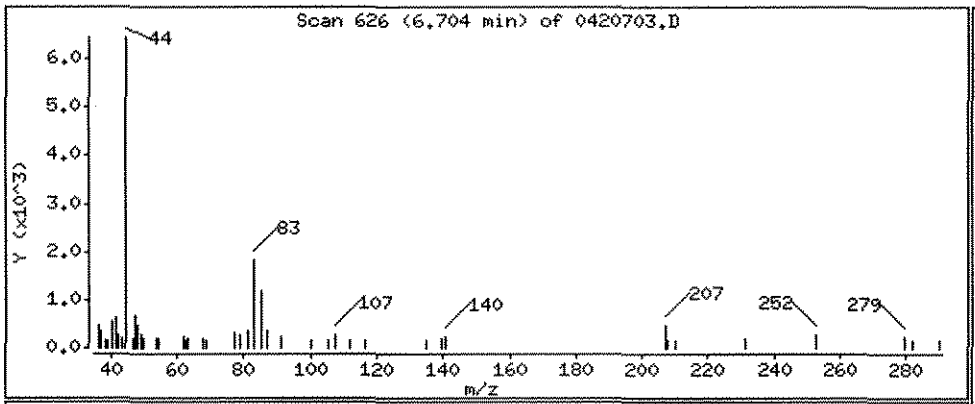
Operator: ADM

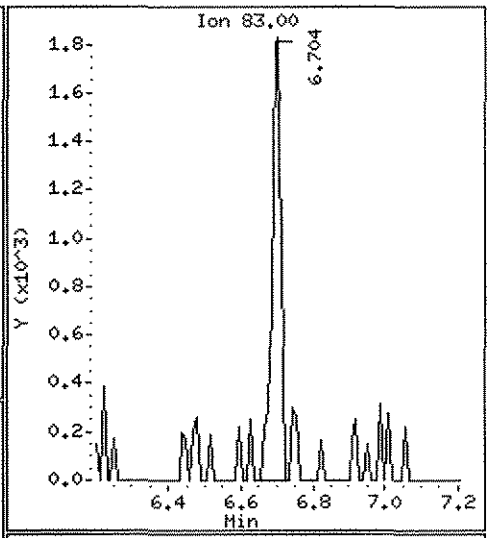
Column phase: RTX-VRX

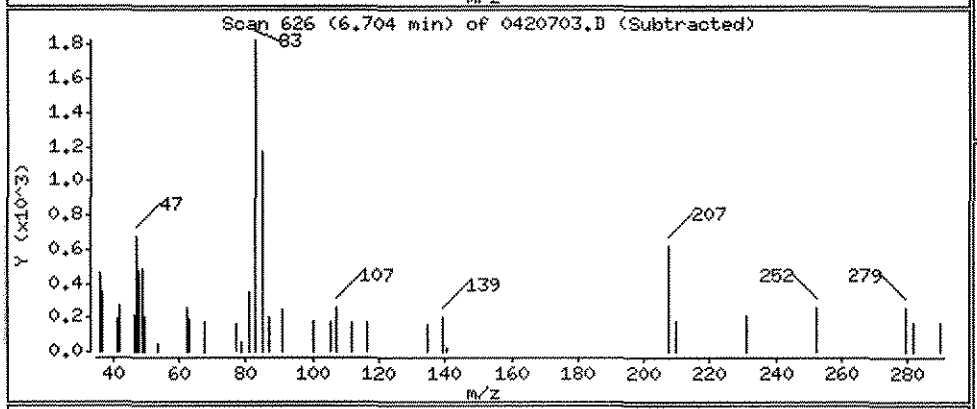
Column diameter: 0.25

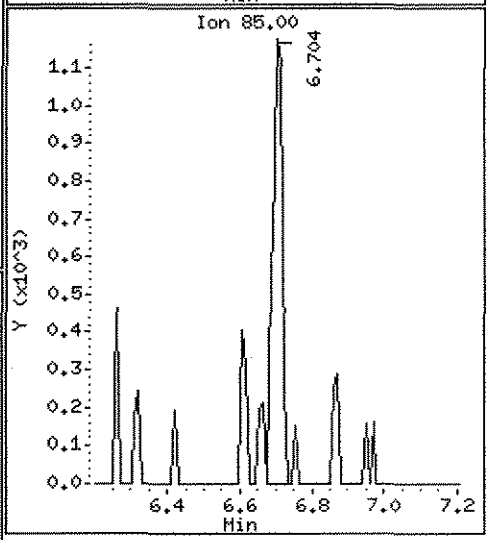
49 Chloroform

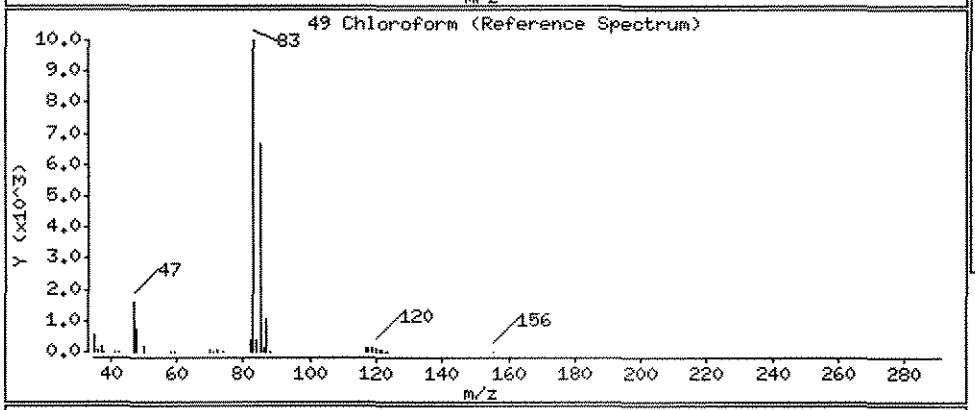
Concentration: 0.1828 ug/L

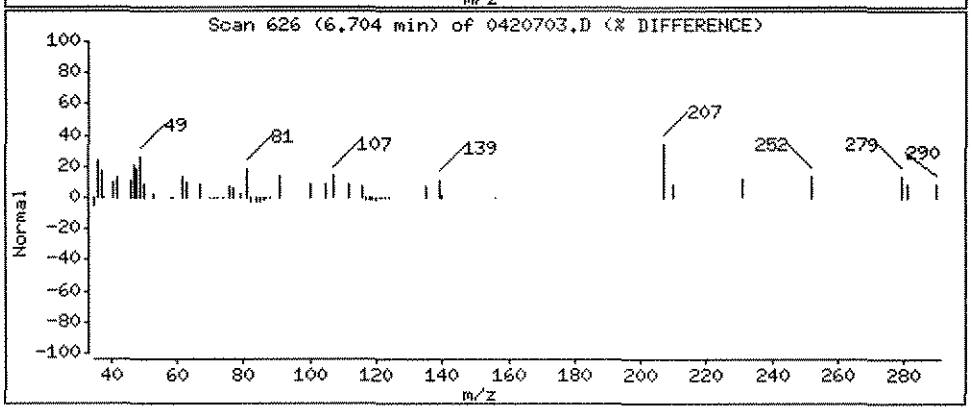












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Date : 23-APR-2011 14:26

Client ID: OLF54 MW14D

Instrument: voa5.i

Sample Info: 1104207-03;;;;;

Purge Volume: 5.0

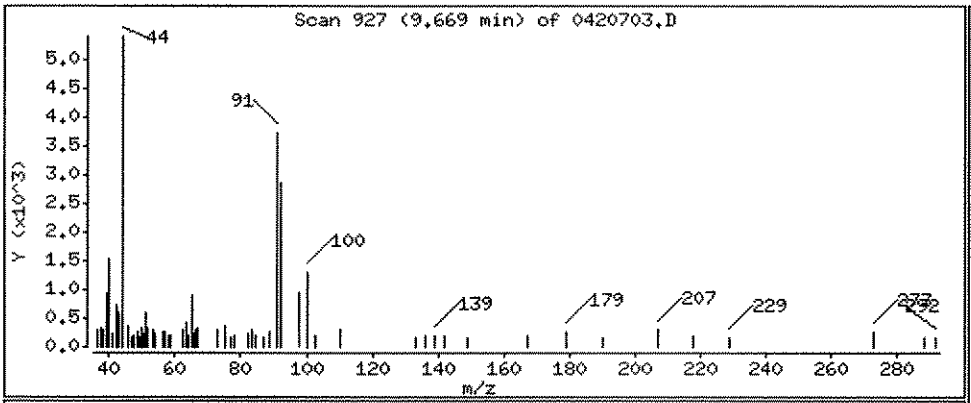
Operator: ADM

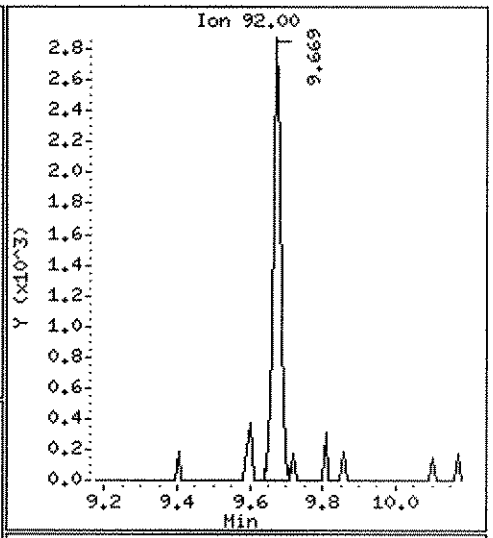
Column phase: RTX-VRX

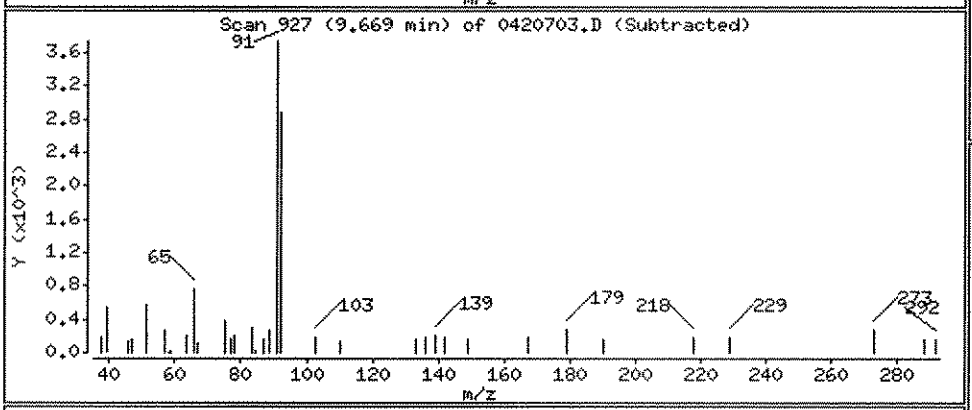
Column diameter: 0.25

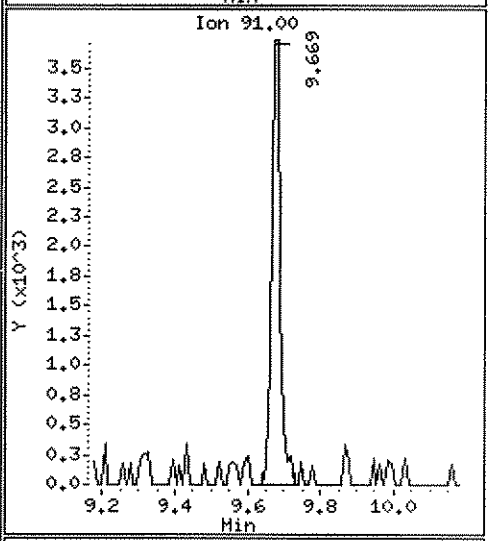
83 Toluene

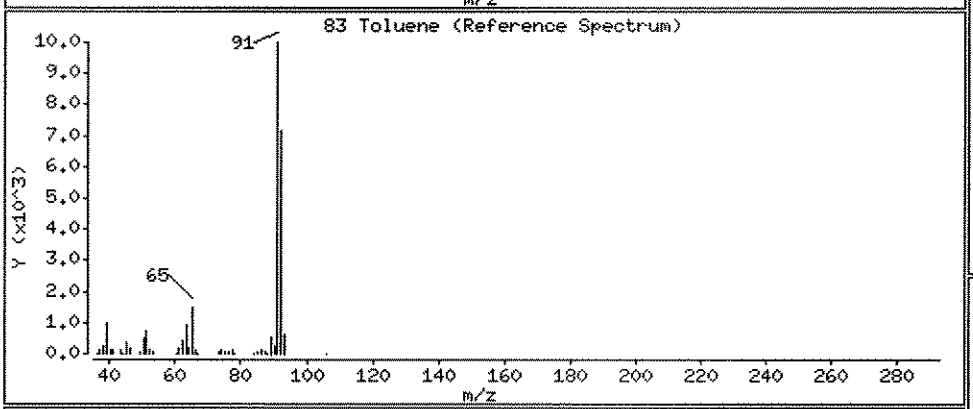
Concentration: 0.2136 ug/L

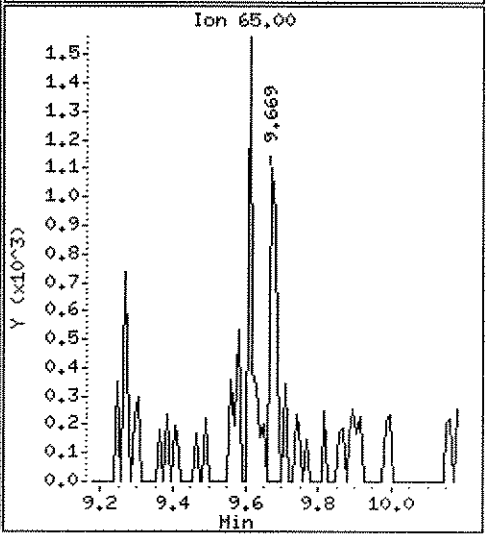


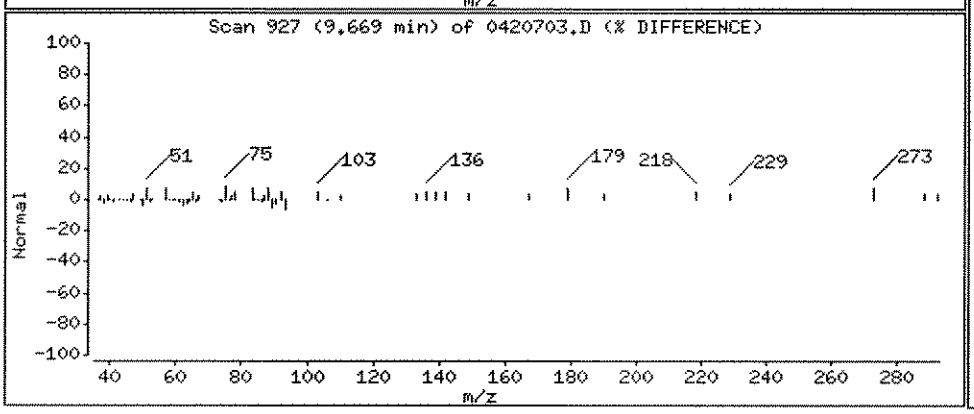












Data File: \\ELABNSH05\TARGET\chem\voa5.i\042311V5.b\0420703.D

Date : 23-APR-2011 14:26

Client ID: OLF54 MW14D

Instrument: voa5.i

Sample Info: 1104207-03;;;;;

Purge Volume: 5.0

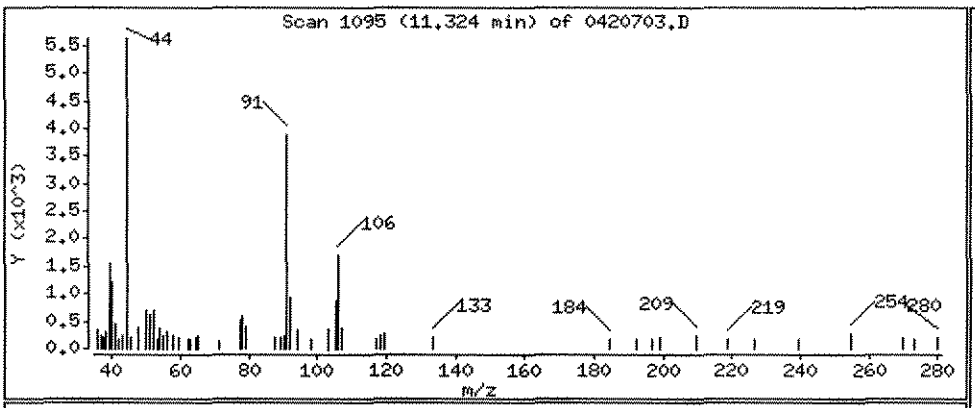
Operator: ADM

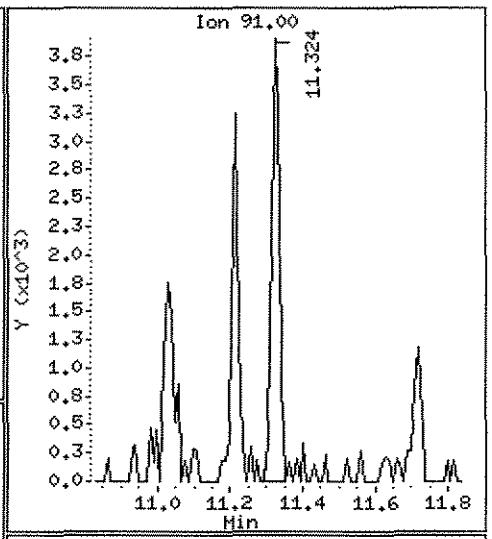
Column phase: RTX-VRX

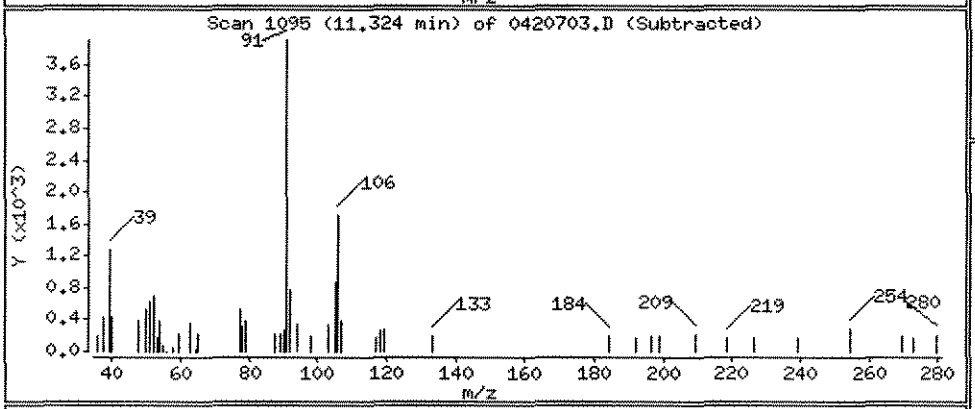
Column diameter: 0.25

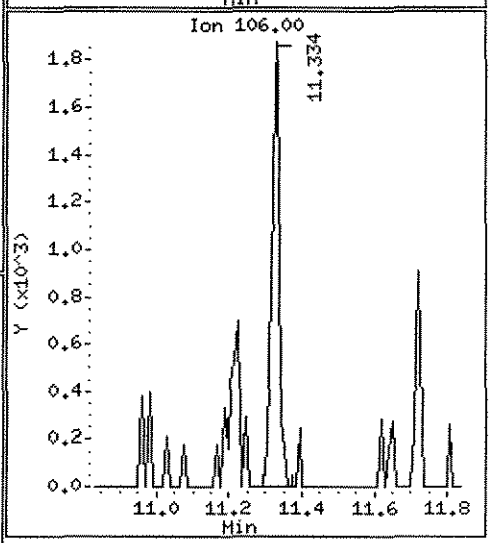
95 m,p-Xylene

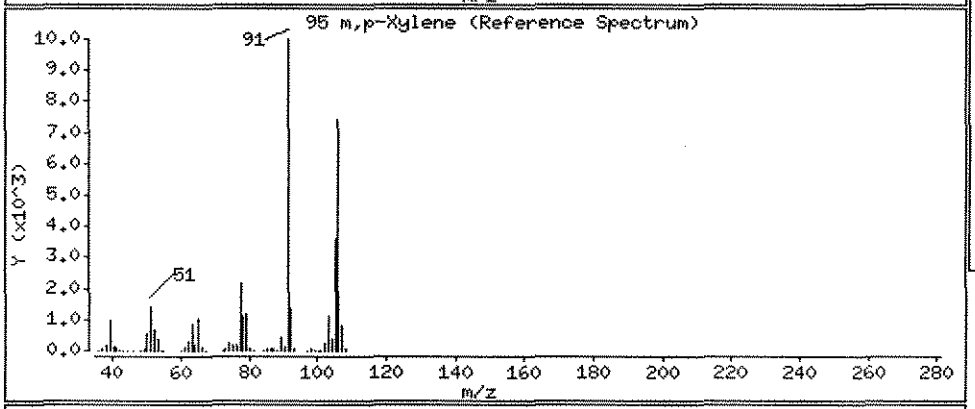
Concentration: 0.2300 ug/L

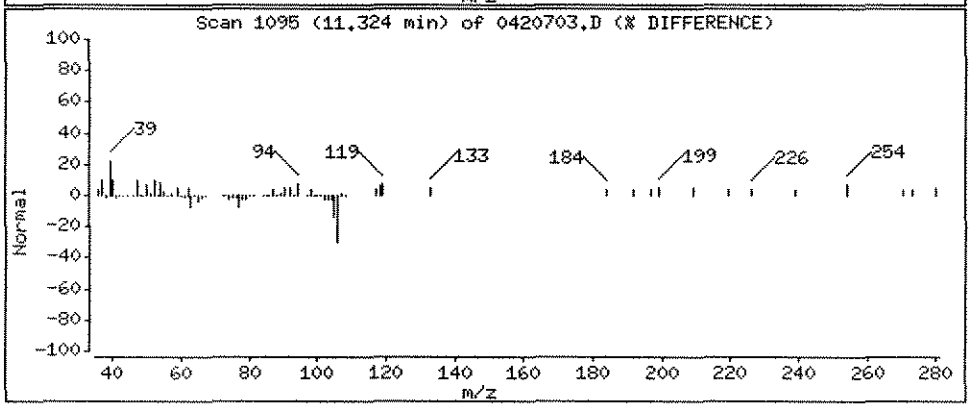












Data File: \\ELABNSH05\TARGET\chem\voa5.i\042311V5.b\0420703.D

Date : 23-APR-2011 14:26

Client ID: OLF54 MW14D

Instrument: voa5.i

Sample Info: 1104207-03;;;;;

Purge Volume: 5.0

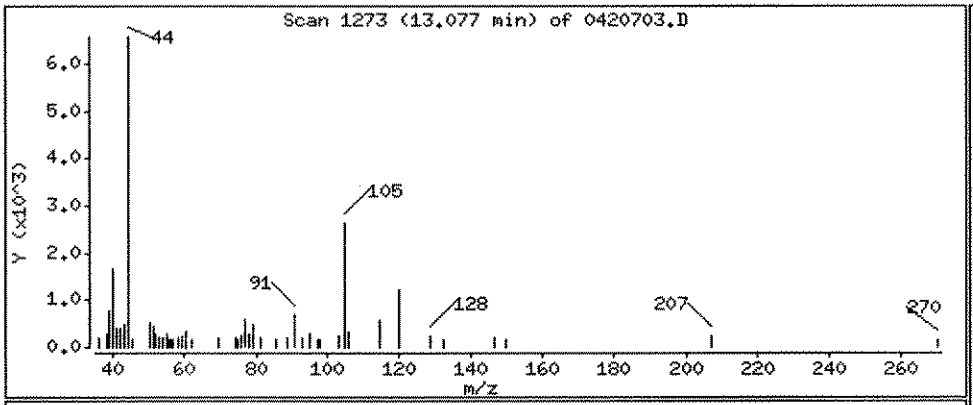
Operator: ADM

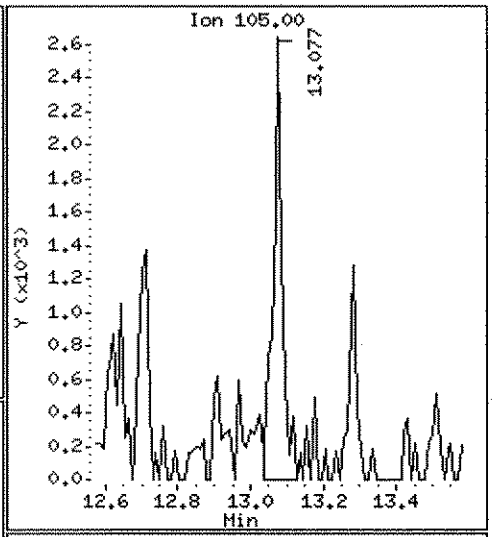
Column phase: RTX-VRX

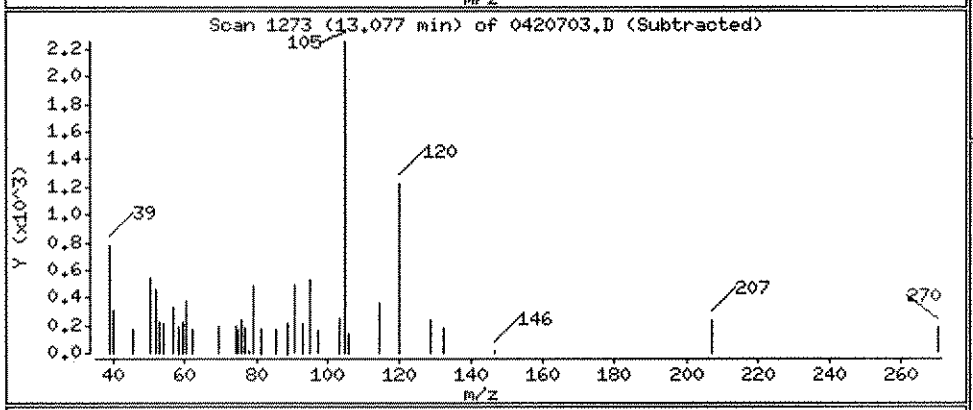
Column diameter: 0.25

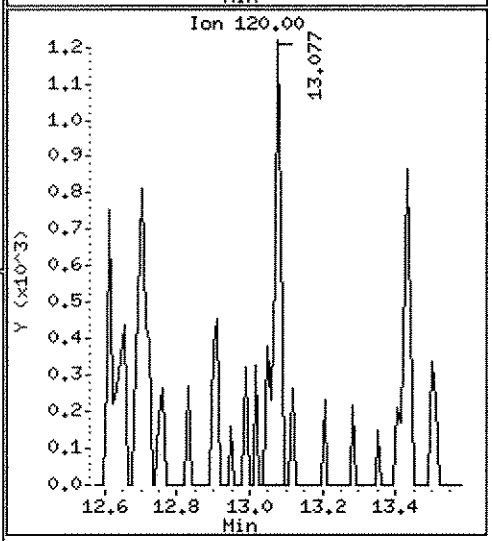
111 1,2,4-Trimethylbenzene

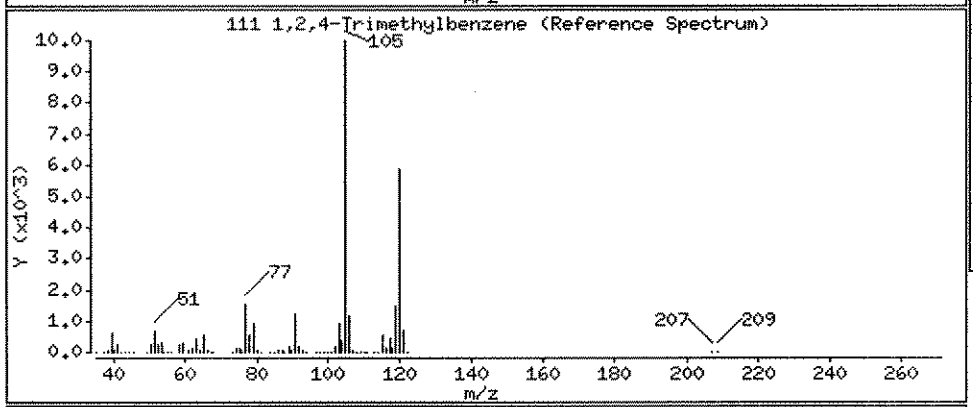
Concentration: 0.1964 ug/L

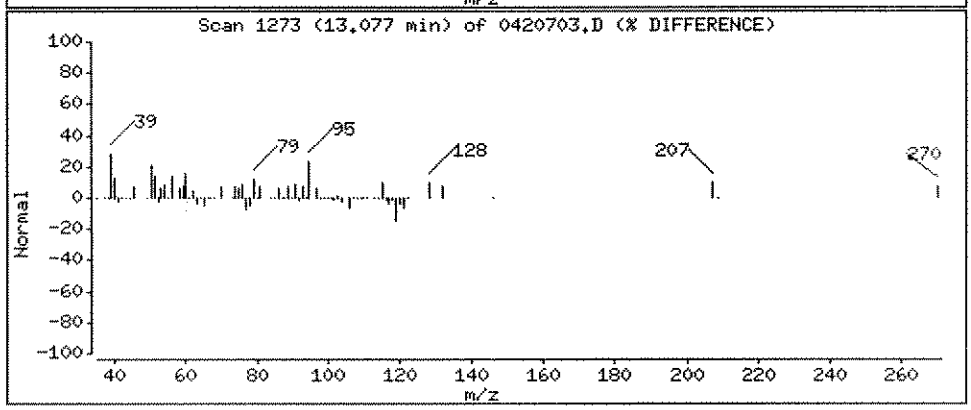












Data File: \\ELABNSH05\TARGET\chem\voa5.i\042311V5.b\0420703.D

Date : 23-APR-2011 14:26

Client ID: OLF54 MW14D

Instrument: voa5.i

Sample Info: 1104207-03;;;;;

Purge Volume: 5.0

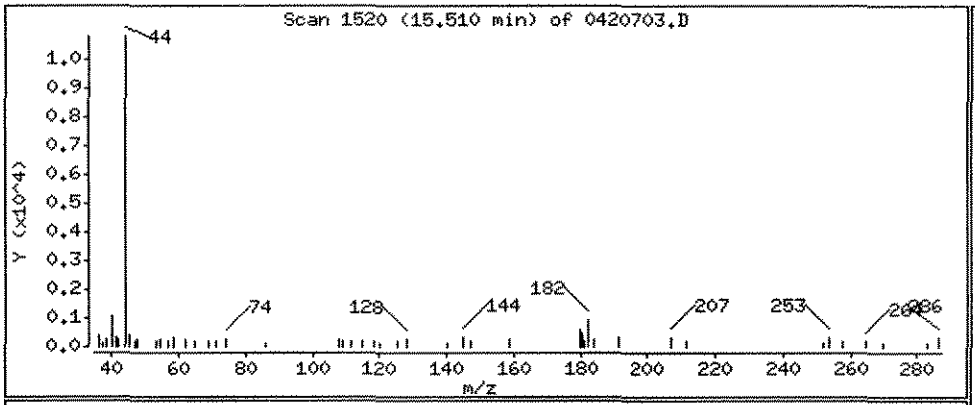
Operator: ADM

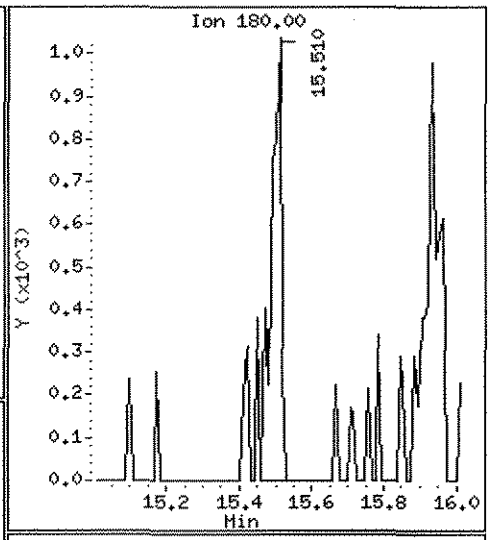
Column phase: RTX-VRX

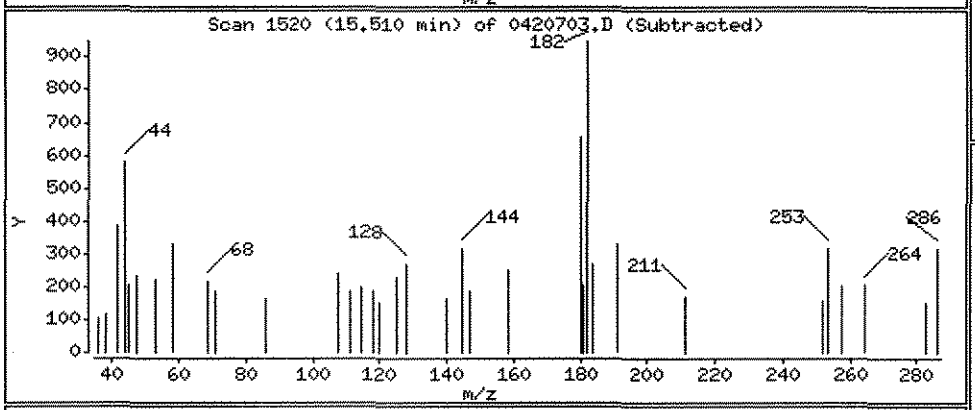
Column diameter: 0.25

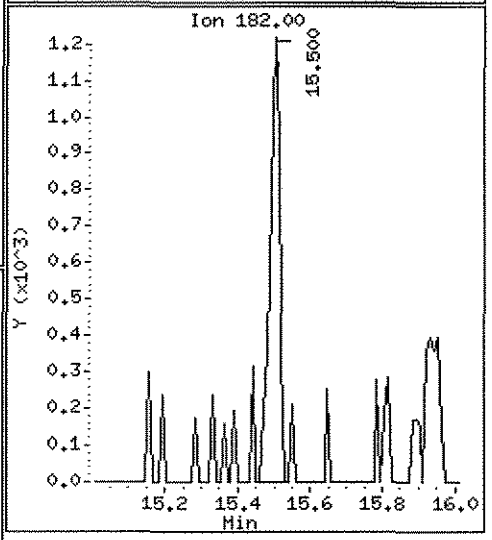
123 1,2,4-Trichlorobenzene

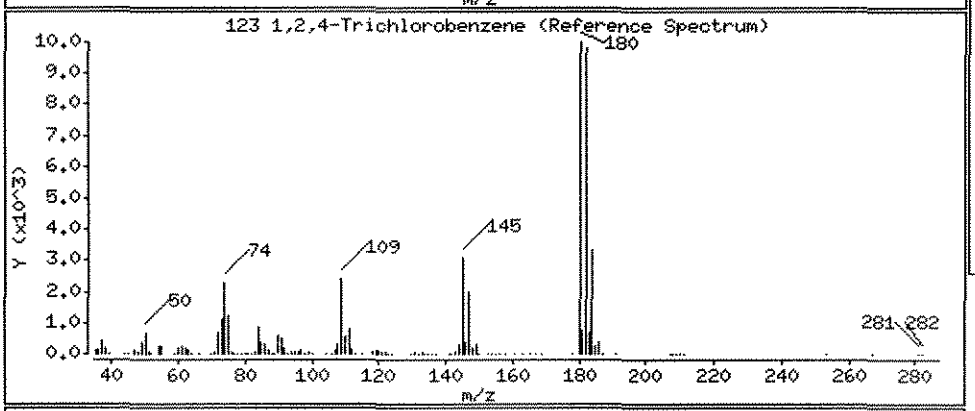
Concentration: 0.2244 ug/L

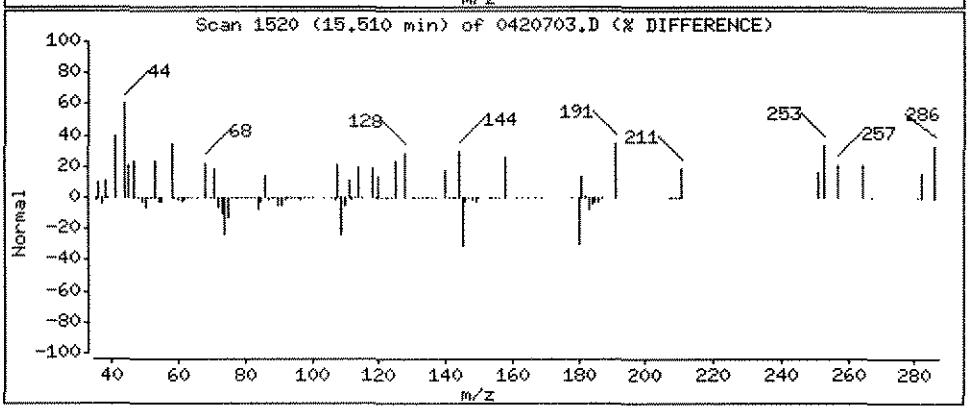












Data File: \\ELABNSH05\TARGET\chem\voa5.i\042311V5.b\0420703.D

Date : 23-APR-2011 14:26

Client ID: OLF54 MW14D

Instrument: voa5.i

Sample Info: 1104207-03;;;;;

Purge Volume: 5.0

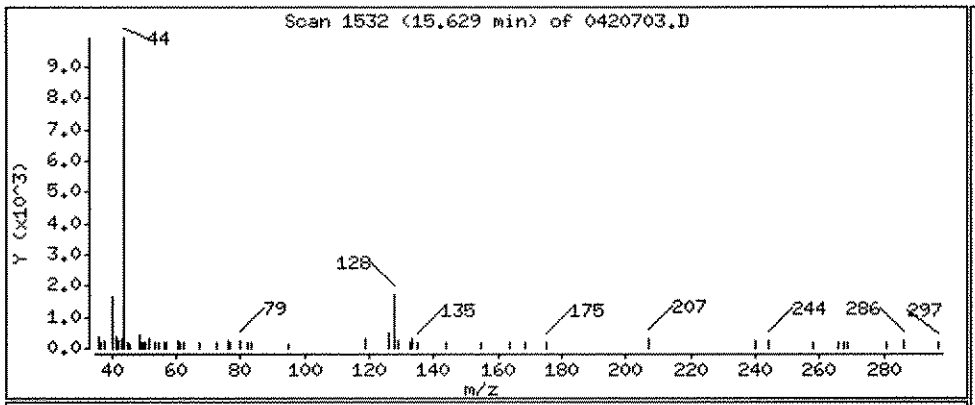
Operator: ADM

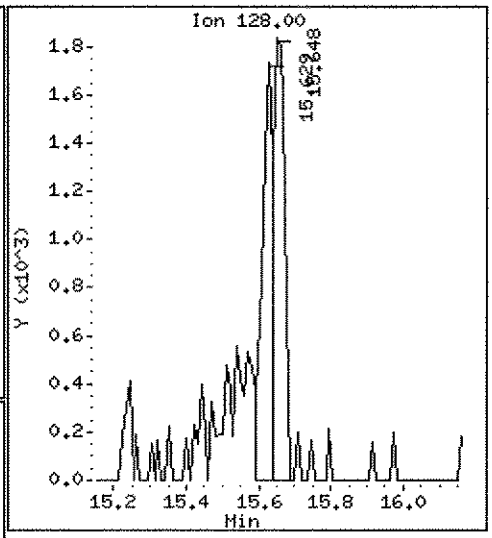
Column phase: RTX-VRX

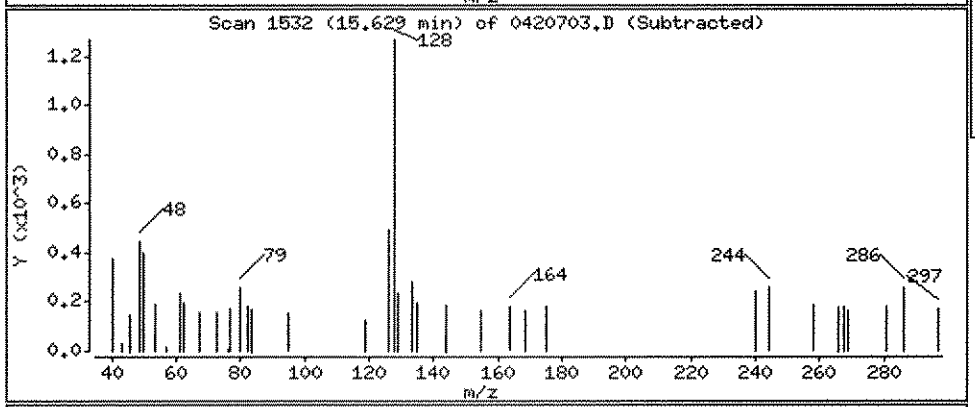
Column diameter: 0.25

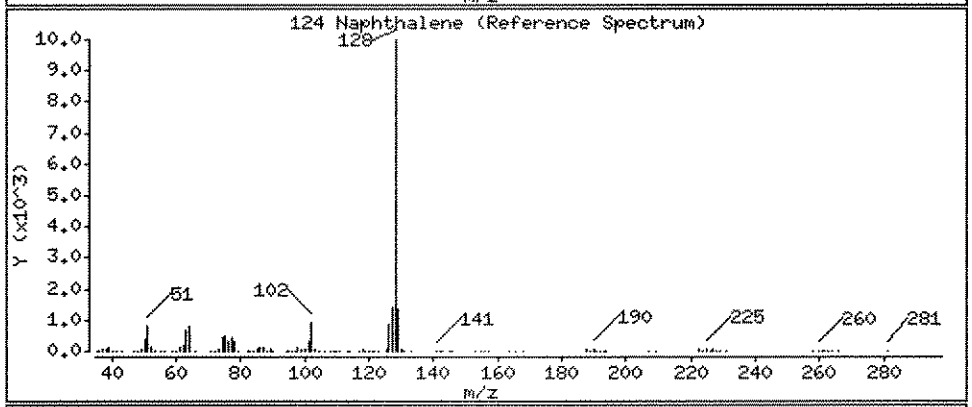
124 Naphthalene

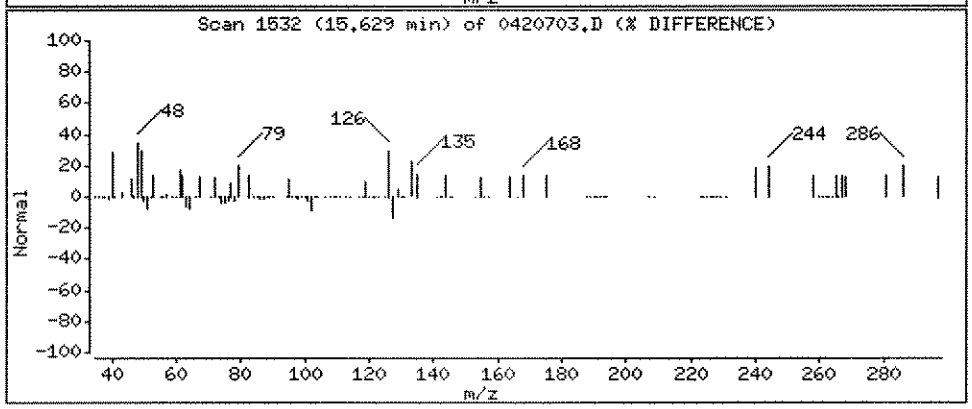
Concentration: 0.1780 ug/L











Data File: \\ELABNSH05\TARGET\chem\voa5.i\042311V5.b\0420703.D

Date : 23-APR-2011 14:26

Client ID: OLF54 MW14D

Instrument: voa5.i

Sample Info: 1104207-03;;;;;

Purge Volume: 5.0

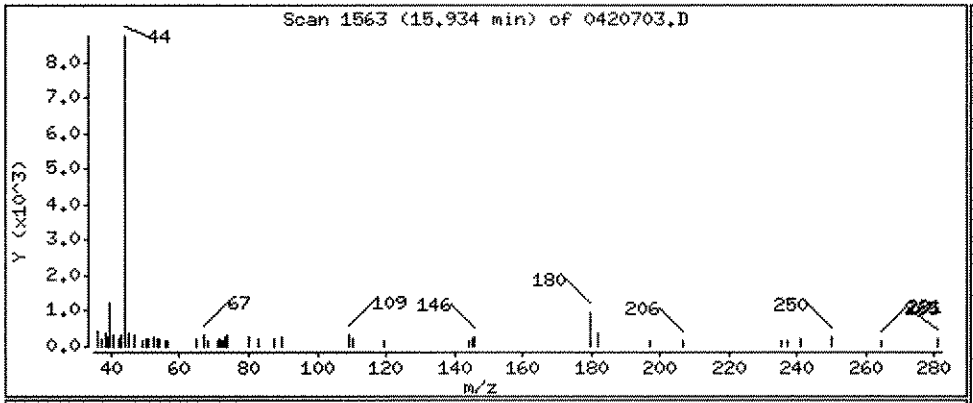
Operator: ADM

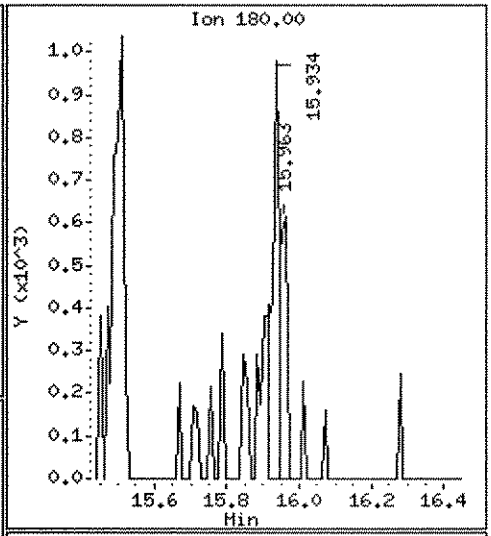
Column phase: RTX-VRX

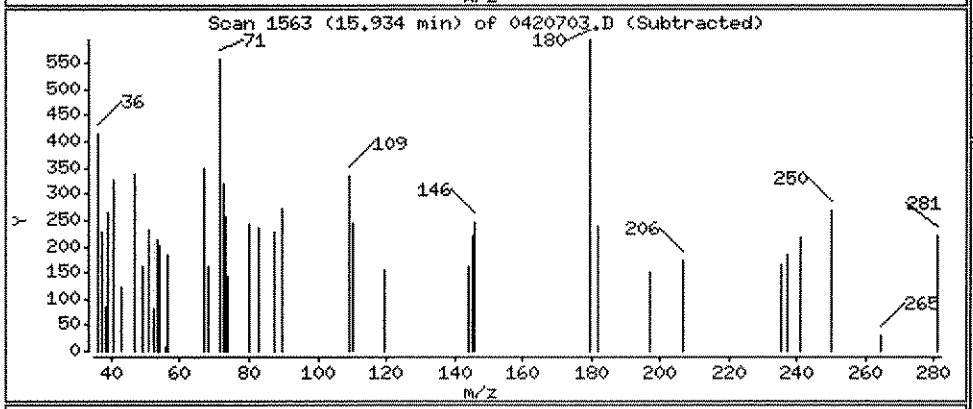
Column diameter: 0.25

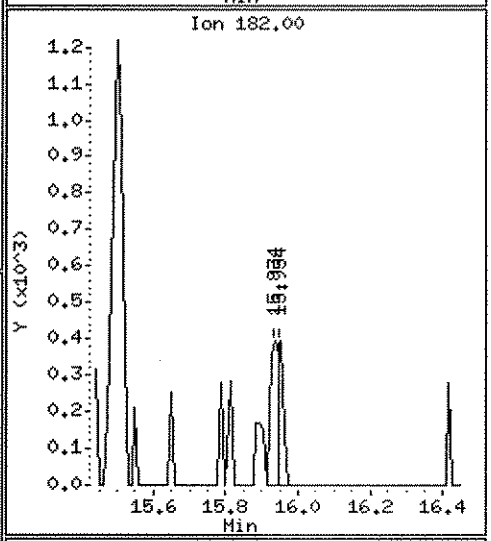
126 1,2,3-Trichlorobenzene

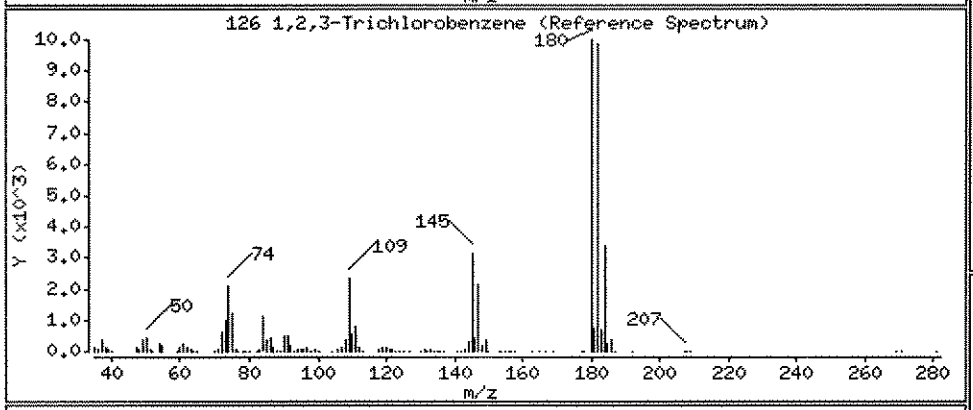
Concentration: 0.1732 ug/L

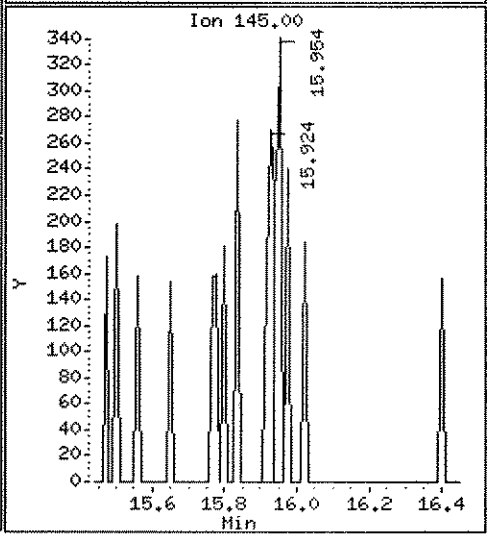


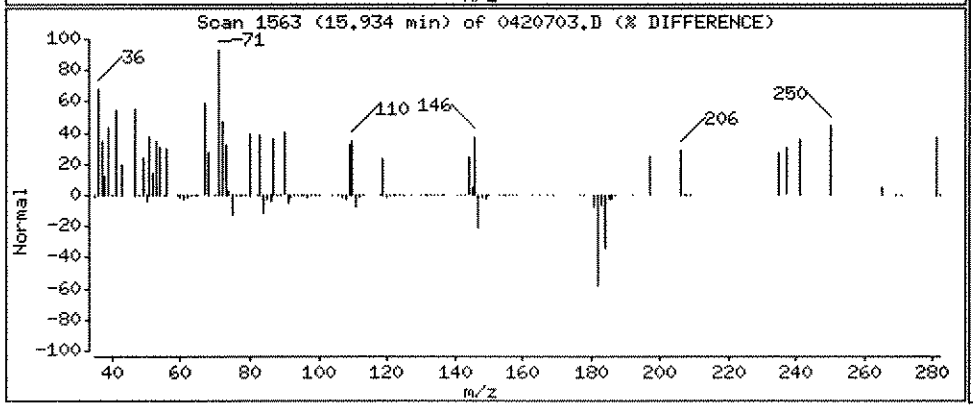












Data File: \\ELABNSH05\TARGET\chem\voa5.i\042311V5.b\0420704.D
Report Date: 24-Apr-2011 05:41

Laboratory Name

Data file : \\ELABNSH05\TARGET\chem\voa5.i\042311V5.b\0420704.D
Lab Smp Id: 1104207-04 Client Smp ID: FD04151101
Inj Date : 23-APR-2011 14:52 MS Autotune Date: 28-JUL-1998 05:19
Operator : ADM Inst ID: voa5.i
Smp Info : 1104207-04;;;;;
Misc Info : ;0;;;;gm-all.sub;
Comment :
Method : \\ELABNSH05\TARGET\chem\voa5.i\042311V5.b\VW5SUR.m
Meth Date : 24-Apr-2011 05:25 ghallquist Quant Type: ISTD
Cal Date : 15-APR-2011 14:26 Cal File: 0415CALA.D
Als bottle: 33
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: gm-all.sub
Target Version: 4.04
Processing Host: TARGET07_VM

Concentration Formula: Amt * DF * 5*Uf/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	unit correction factor
Vo	5.000	Volume of sample purged (mL)

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
* 62 Fluorobenzene	96	7.898	7.906	(1.000)	1259504	30.0000	
25 Methylene chloride	84	4.697	4.704	(0.595)	4829	0.44914	0.4491(a)
49 Chloroform	83	6.696	6.704	(0.848)	4534	0.25146	0.2514(a)
$ 51 Dibromofluoromethane	111	6.874	6.871	(0.870)	380783	30.9323	30.93
59 Cyclohexane	56	7.543	7.541	(0.955)	4642	0.26716	0.2672(aQ)
$ 54 1,2-Dichloroethane-d4	102	7.366	7.374	(0.933)	75247	30.1374	30.14
$ 81 Toluene-d8	98	9.592	9.600	(0.870)	1112159	31.0574	31.06
83 Toluene	92	9.671	9.679	(0.877)	4736	0.24303	0.2430(a)
* 92 Chlorobenzene-d5	82	11.030	11.038	(1.000)	522510	30.0000	
95 m,p-Xylene	91	11.326	11.334	(1.027)	7912	0.29162	0.2916(a)
M 107 Xylene(total)	91				7912	0.29162	0.2916(a)
$ 104 Bromofluorobenzene	95	12.222	12.230	(1.108)	447850	30.4989	30.50
111 1,2,4-Trimethylbenzene	105	13.079	13.077	(0.974)	3287	0.13720	0.1372(a)
* 117 1,4-Dichlorobenzene-d4	152	13.434	13.432	(1.000)	433237	30.0000	(Q)
123 1,2,4-Trichlorobenzene	180	15.512	15.510	(1.155)	1445	0.16738	0.1674(a)
124 Naphthalene	128	15.640	15.658	(1.164)	5854	0.30546	0.3055(a)

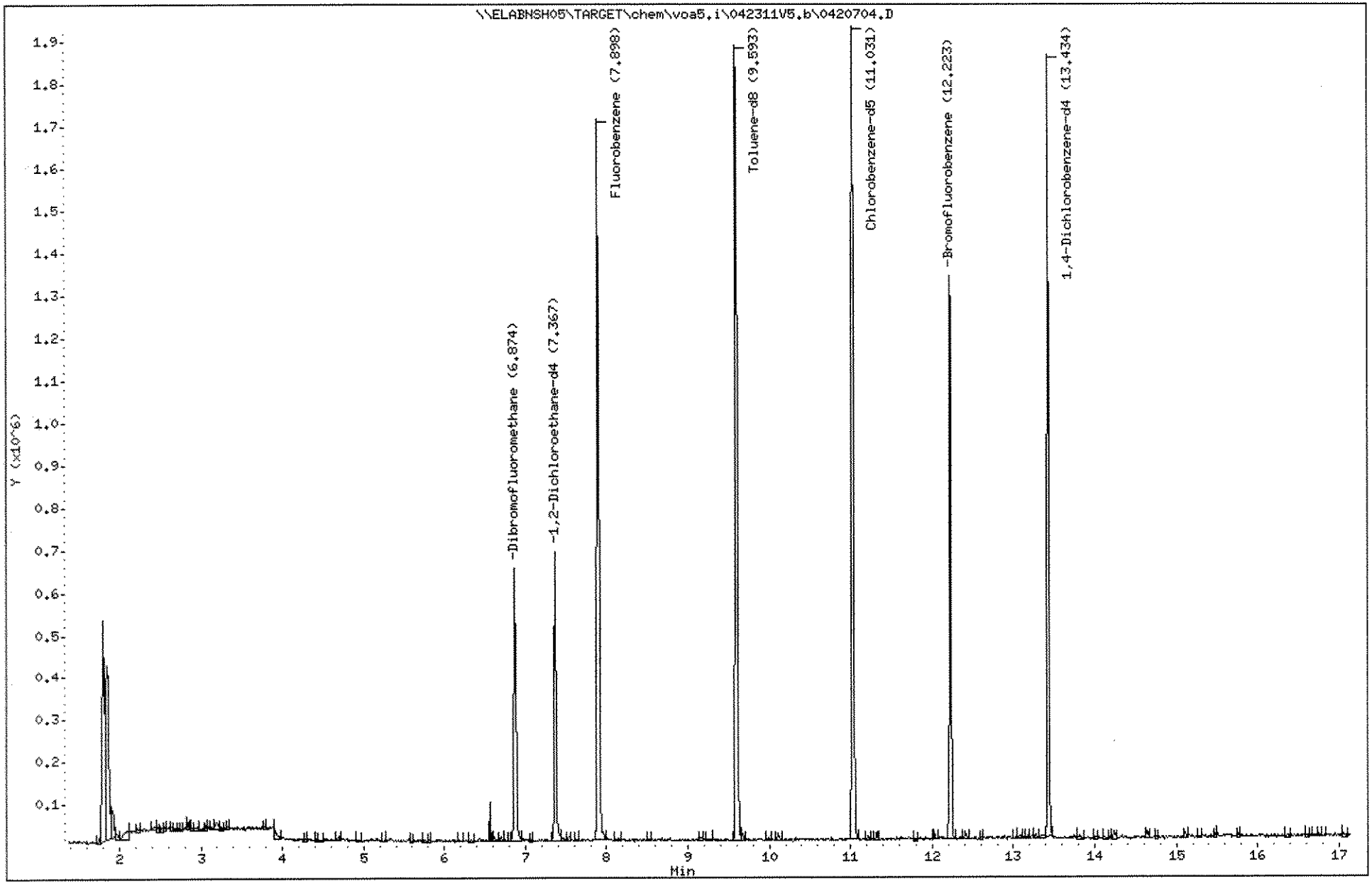
Data File: \\ELABNSH05\TARGET\chem\voa5.i\042311V5.b\0420704.D
Report Date: 24-Apr-2011 05:41

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
126 1,2,3-Trichlorobenzene	180	15.946	15.943	(1.187)	1240	0.16830	0.1683(a)

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.

Data File: \\ELABNSH05\TARGET\chem\voa5.i\042311V5.b\0420704.D
Date : 23-APR-2011 14:52
Client ID: FD04151101
Instrument: voa5.i
Sample Info: 1104207-04;;;;;
Purge Volume: 5.0
Operator: ADM
Column phase: RTX-VRX
Column diameter: 0.25



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Date : 23-APR-2011 14:52

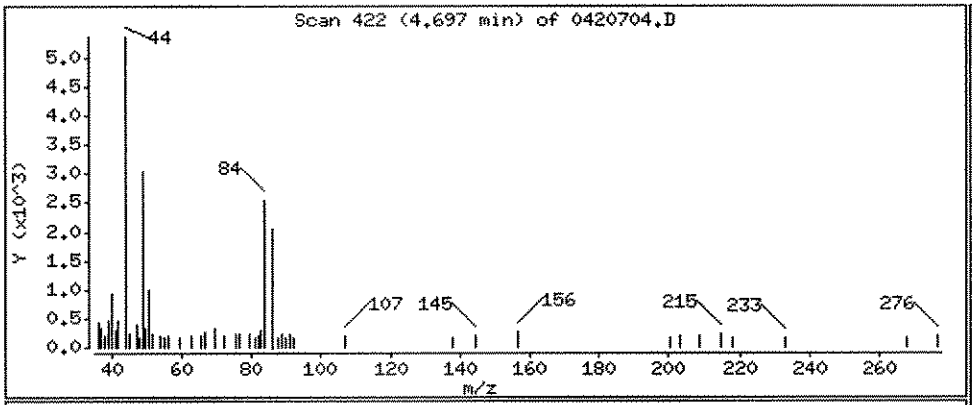
Client ID: FD04151101 Instrument: voa5.i

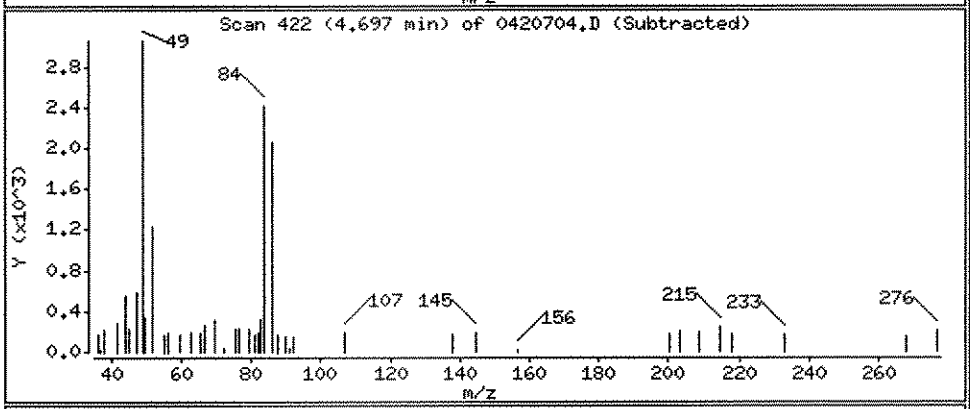
Sample Info: 1104207-04;;;;;

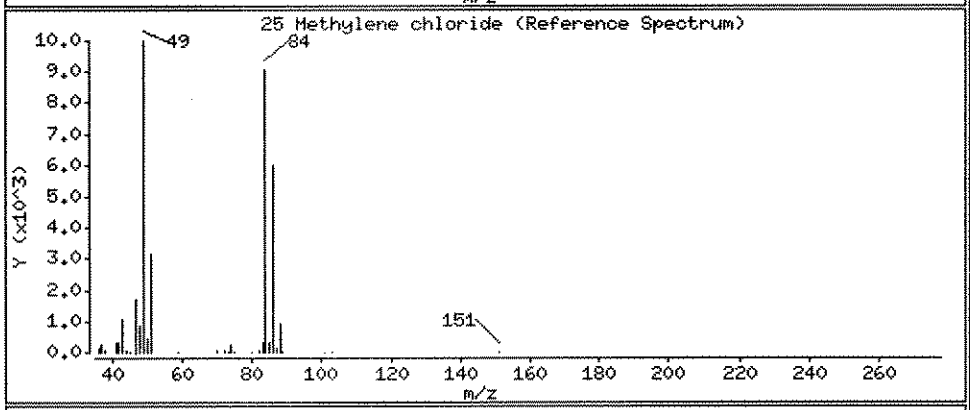
Purge Volume: 5.0 Operator: ADM

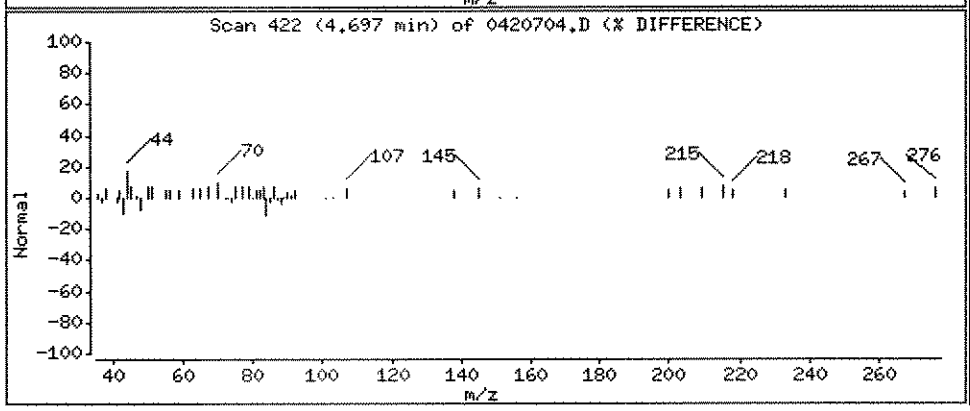
Column phase: RTX-VRX Column diameter: 0.25

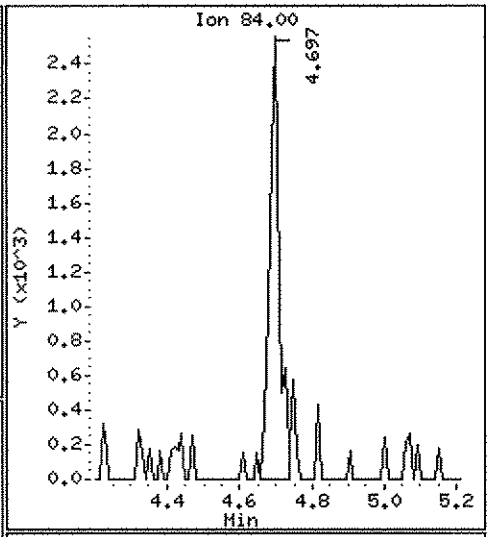
25 Methylene chloride Concentration: 0.4491 ug/L

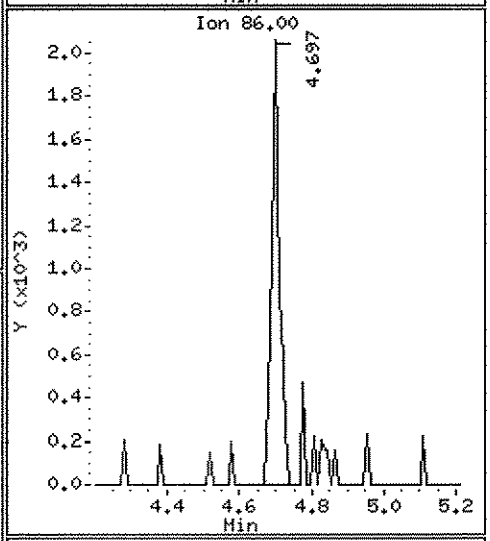


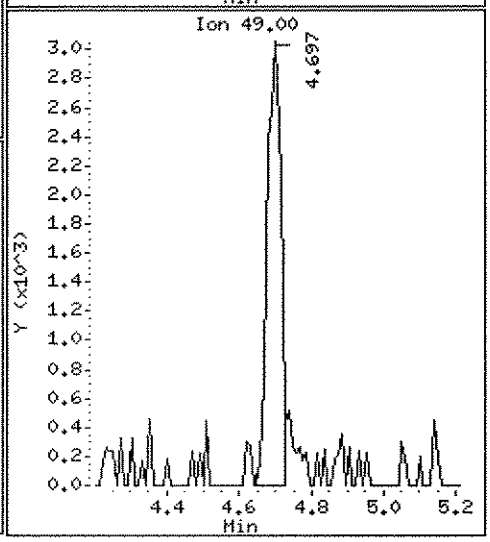












Data File: \\ELABNSH05\TARGET\chem\voa5.i\042311V5.b\0420704.D

Date : 23-APR-2011 14:52

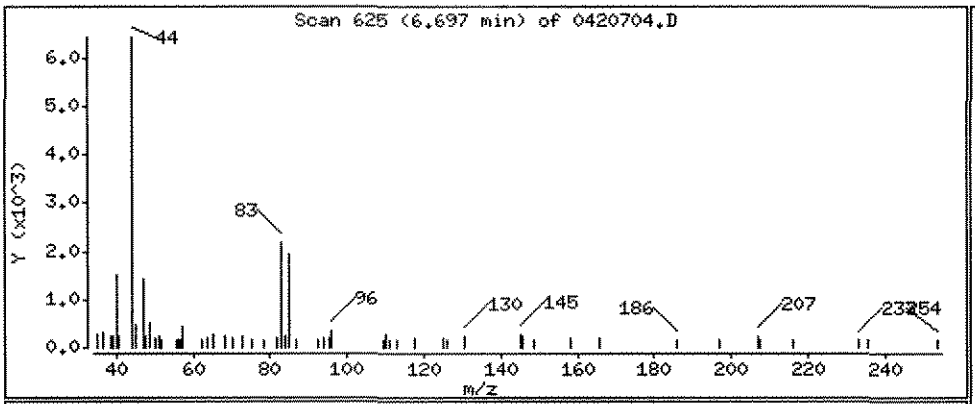
Client ID: FD04151101 Instrument: voa5.i

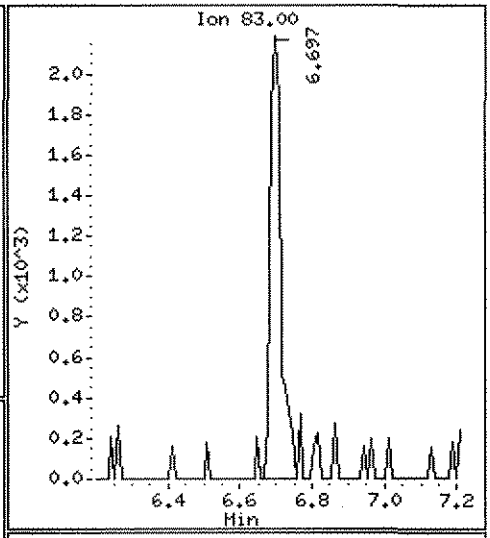
Sample Info: 1104207-04;;;;;

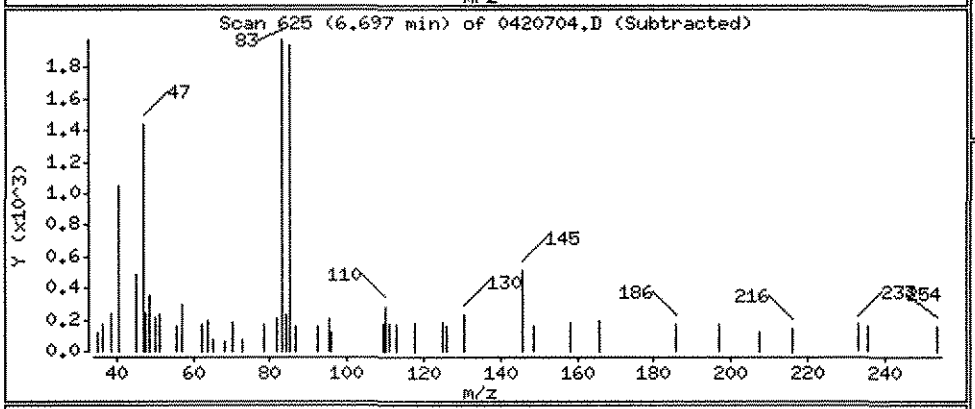
Purge Volume: 5.0 Operator: ADM

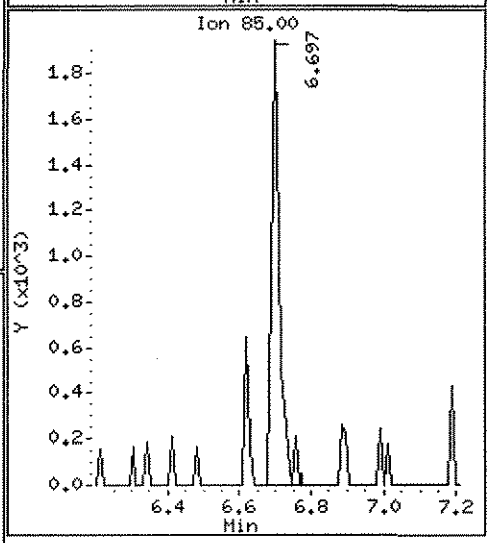
Column phase: RTX-VRX Column diameter: 0.25

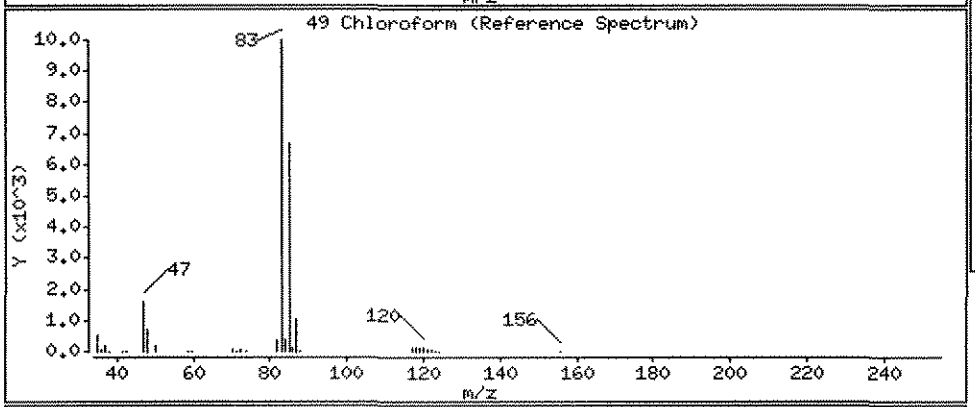
49 Chloroform Concentration: 0.2514 ug/L

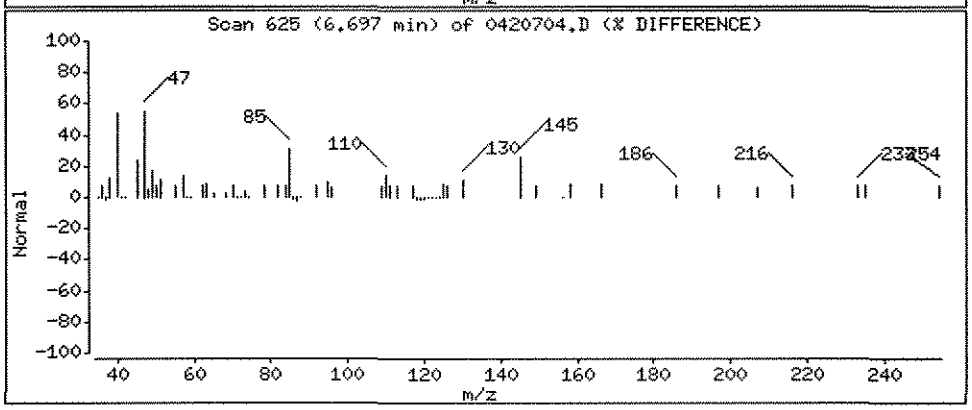












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Date : 23-APR-2011 14:52

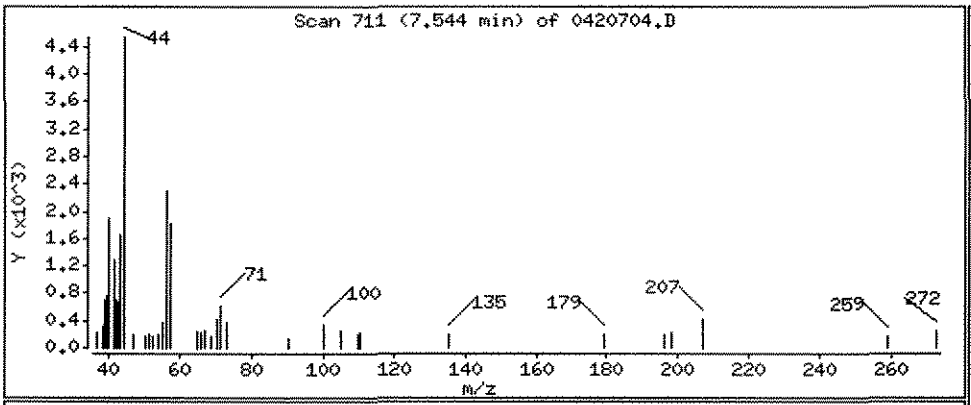
Client ID: FD04151101 Instrument: voa5.i

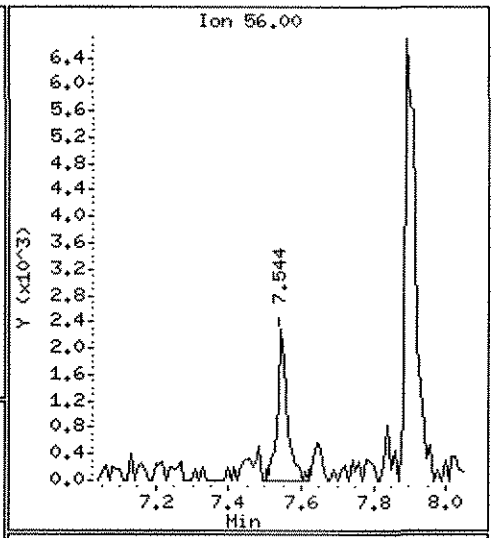
Sample Info: 1104207-04;;;;;

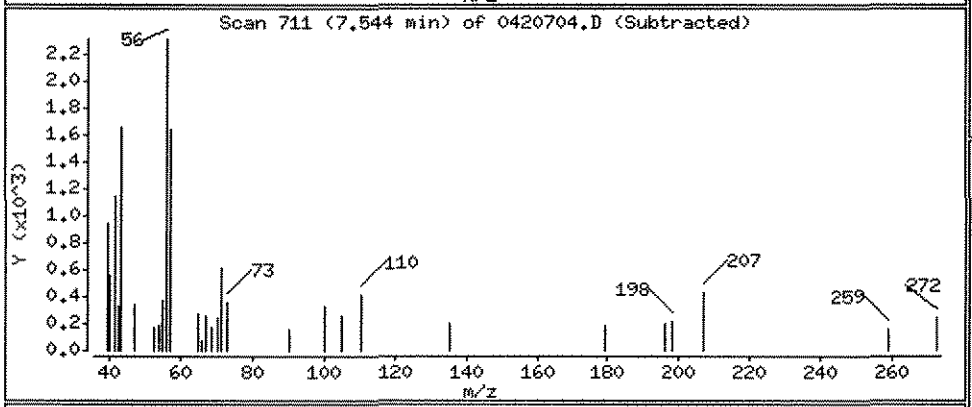
Purge Volume: 5.0 Operator: ADM

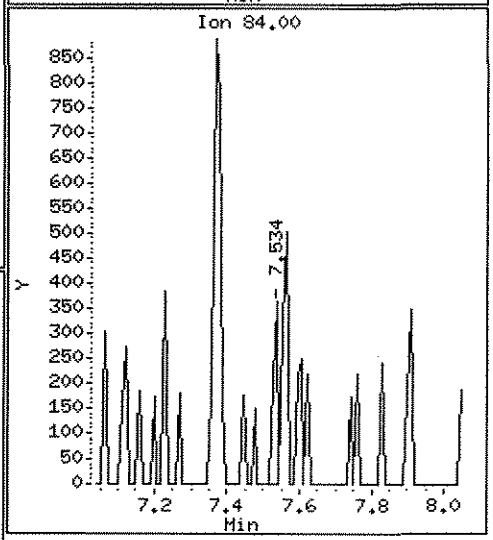
Column phase: RTX-VRX Column diameter: 0.25

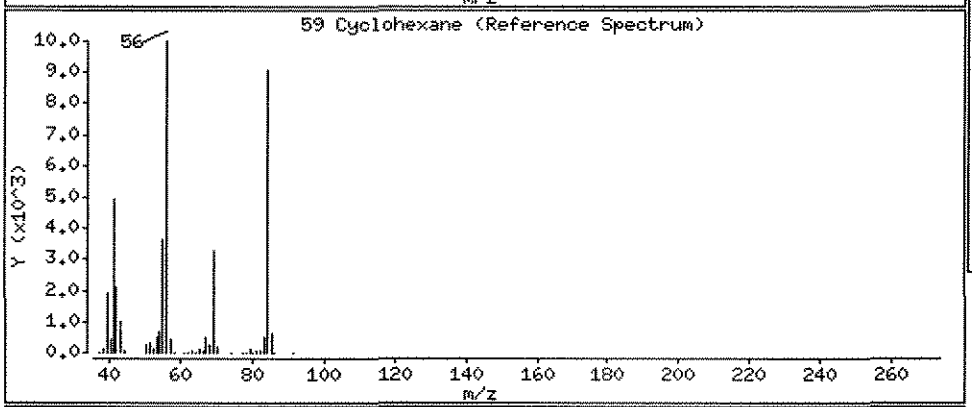
59 Cyclohexane Concentration: 0.2672 ug/L

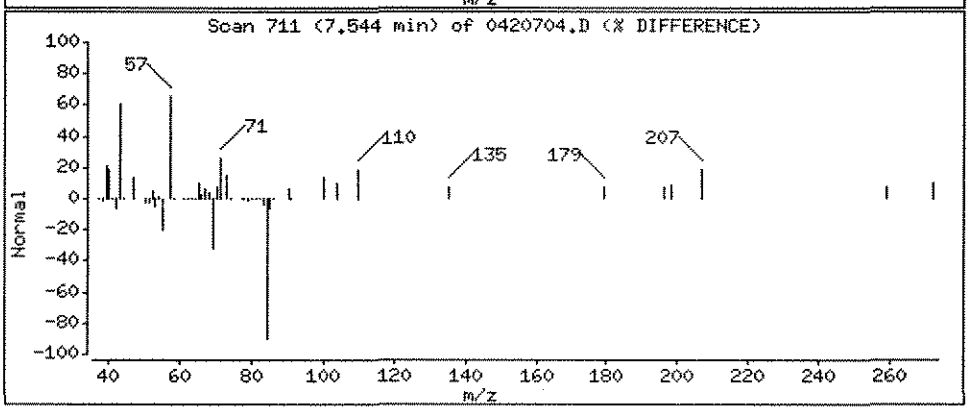












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Date : 23-APR-2011 14:52

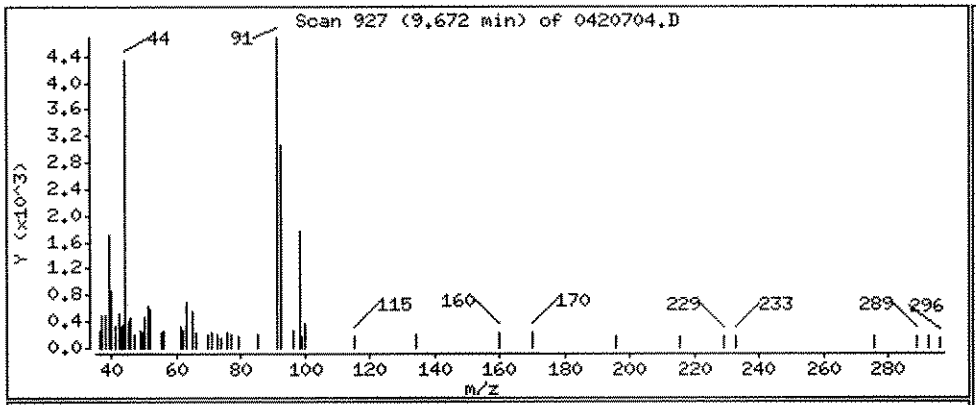
Client ID: FD04151101 Instrument: voa5.i

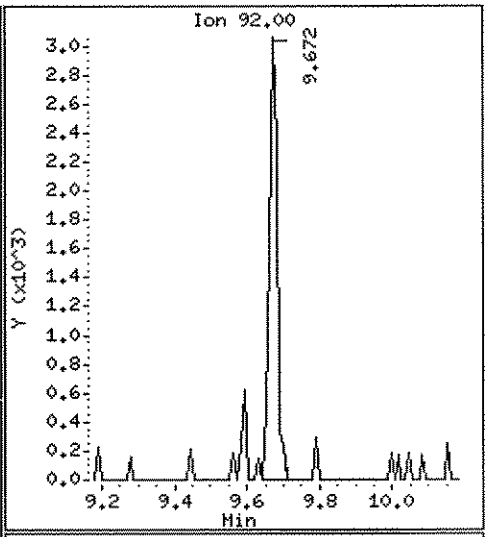
Sample Info: 1104207-04;;;;;

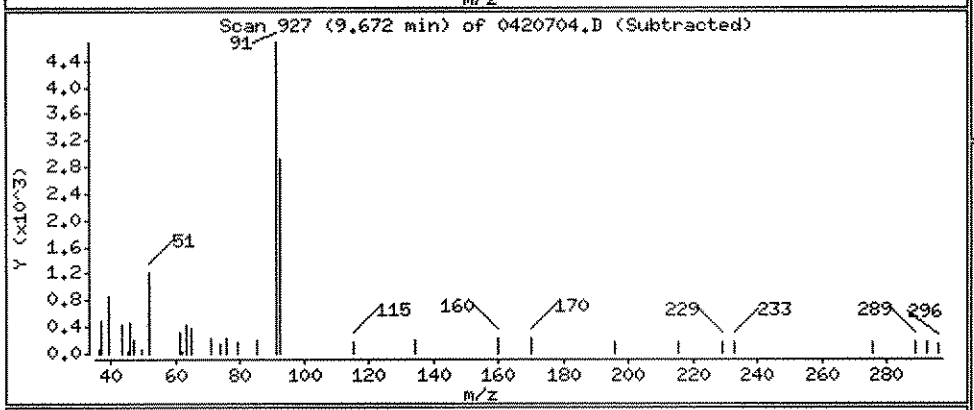
Purge Volume: 5.0 Operator: ADM

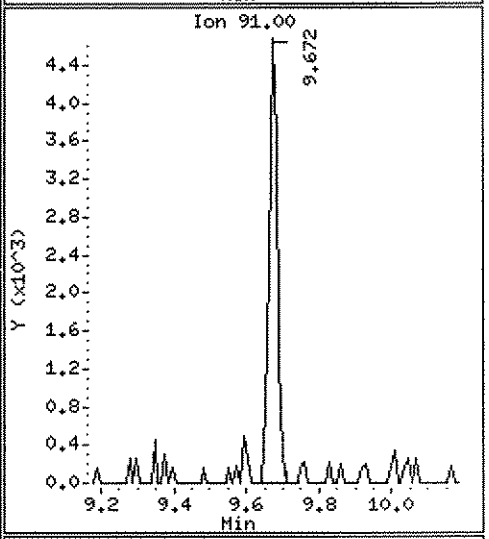
Column phase: RTX-VRX Column diameter: 0.25

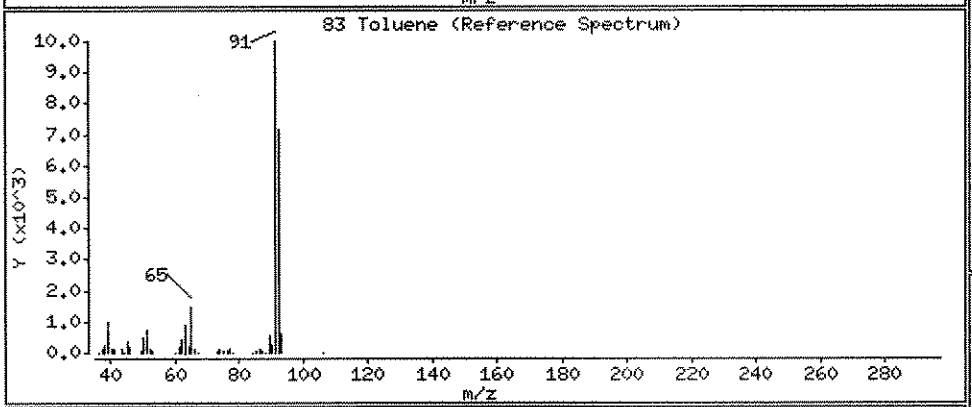
83 Toluene Concentration: 0.2430 ug/L

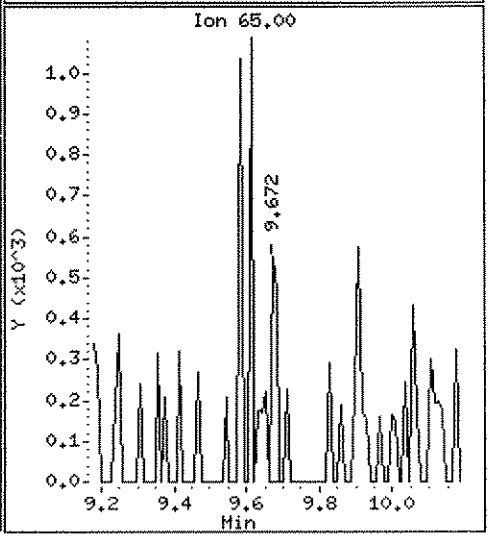


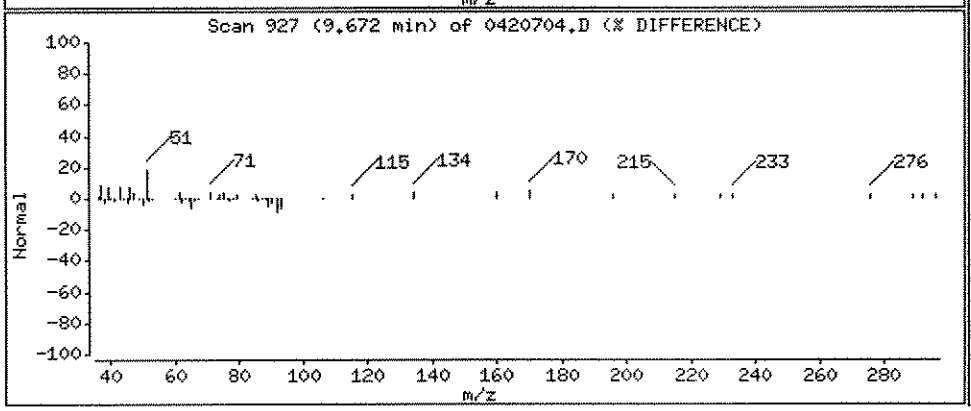












Data File: \\ELABNSH05\TARGET\chem\voa5.i\042311V5.b\0420704.D

Date : 23-APR-2011 14:52

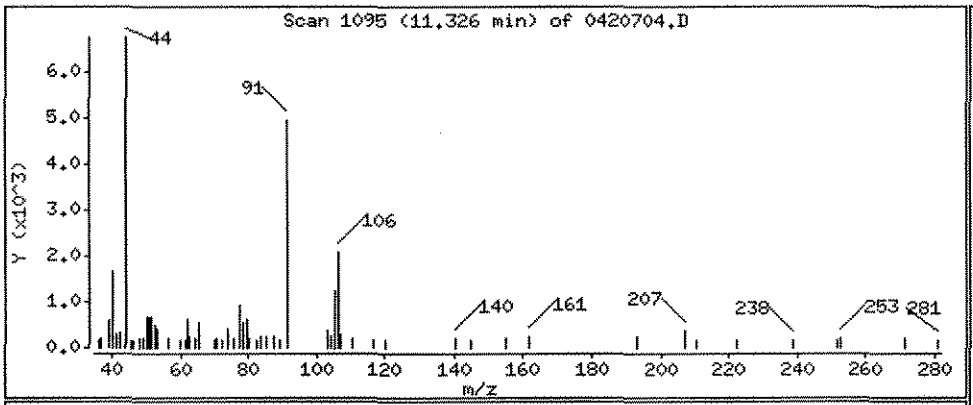
Client ID: FD04151101 Instrument: voa5.i

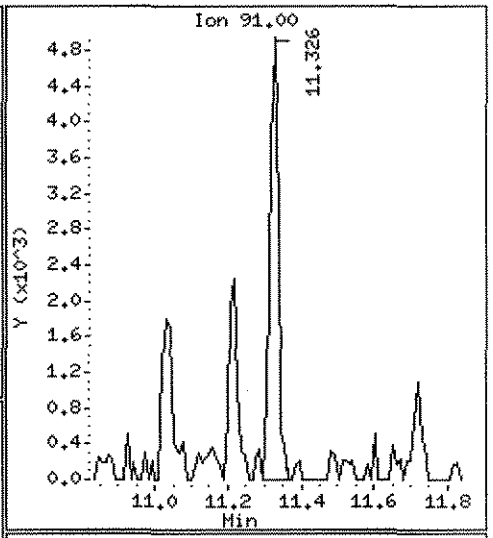
Sample Info: 1104207-04;;;;;

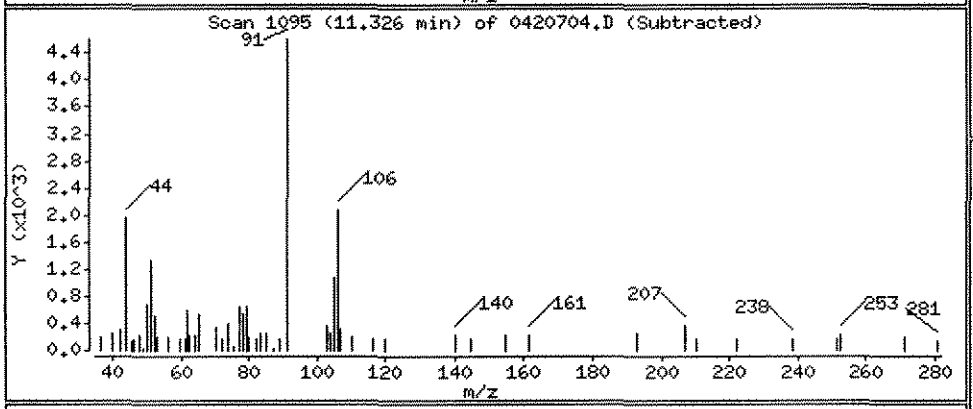
Purge Volume: 5.0 Operator: ADM

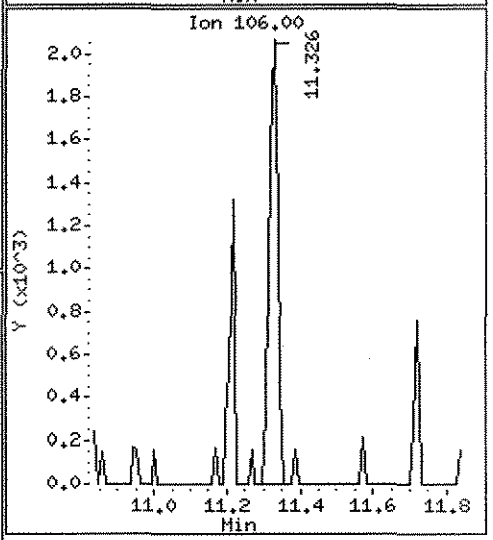
Column phase: RTX-VRX Column diameter: 0.25

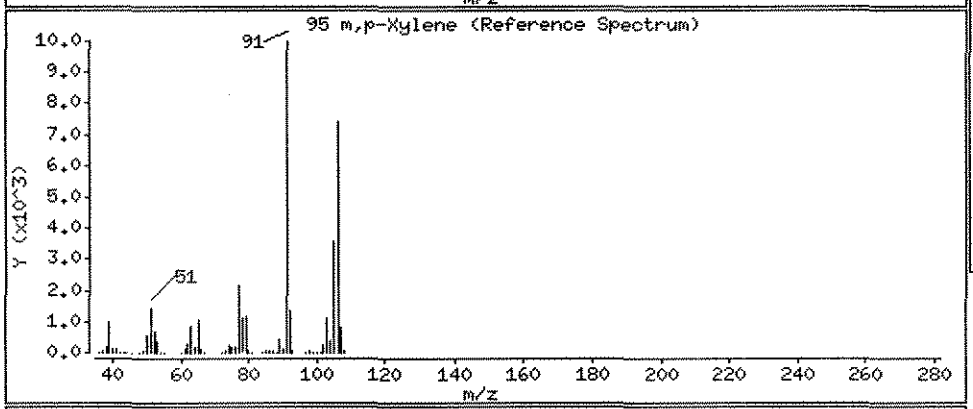
95 m,p-Xylene Concentration: 0.2916 ug/L

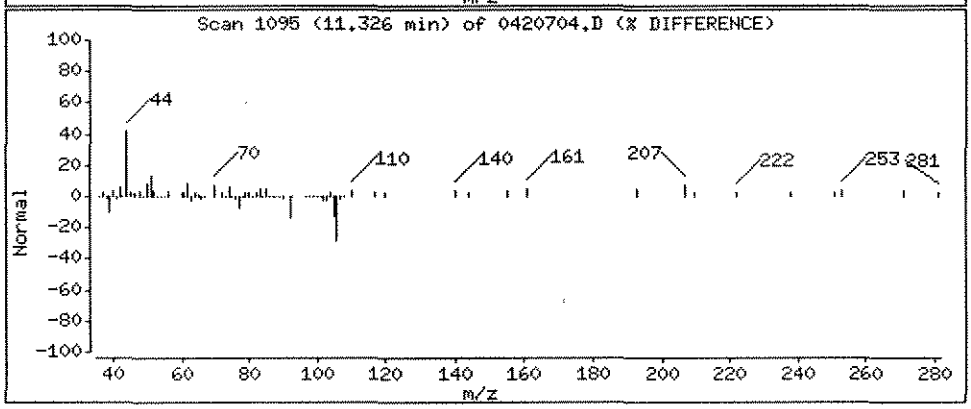












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Date : 23-APR-2011 14:52

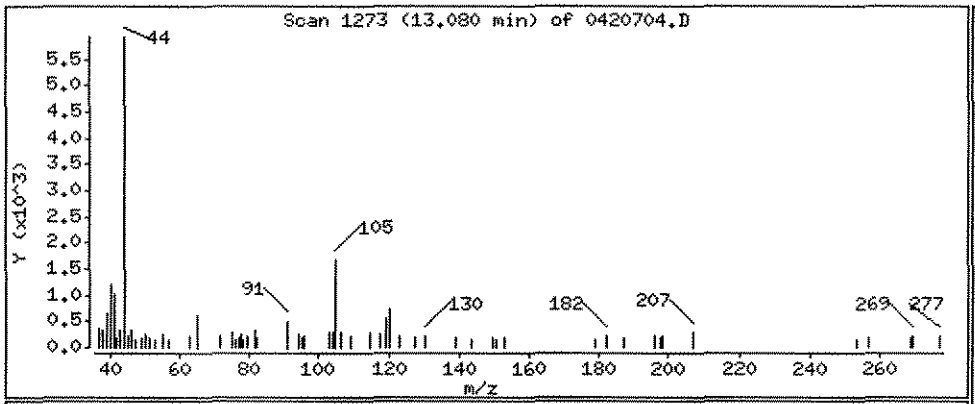
Client ID: FD04151101 Instrument: voa5.i

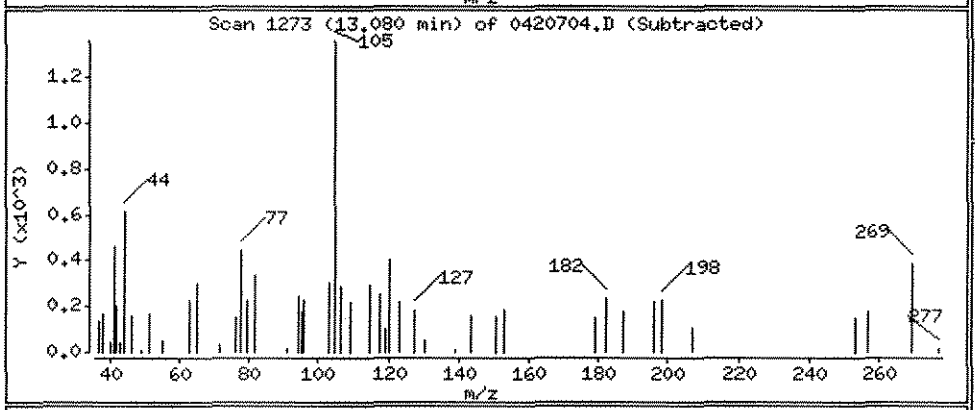
Sample Info: 1104207-04;;;;;

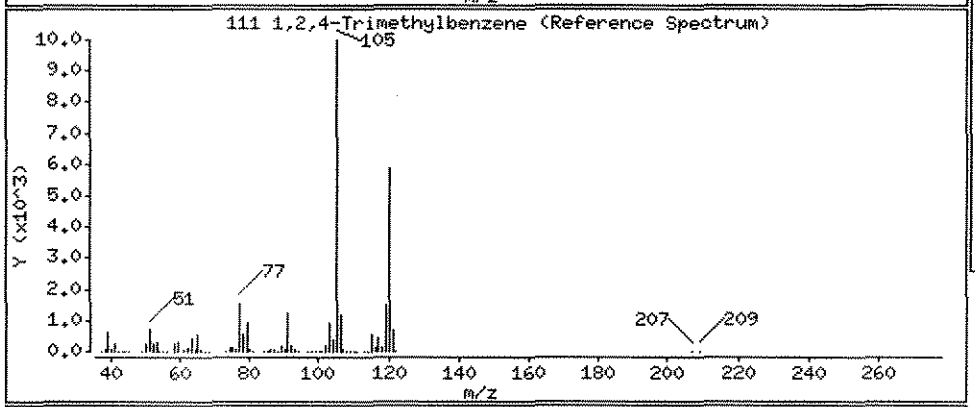
Purge Volume: 5.0 Operator: ADM

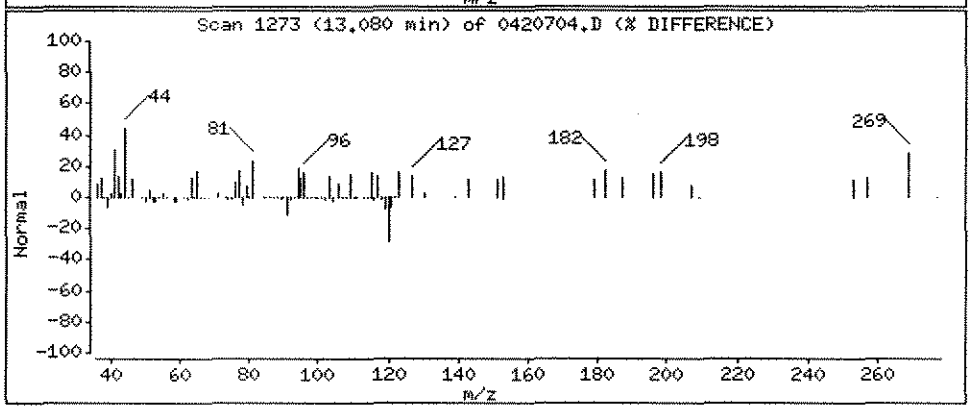
Column phase: RTX-VRX Column diameter: 0.25

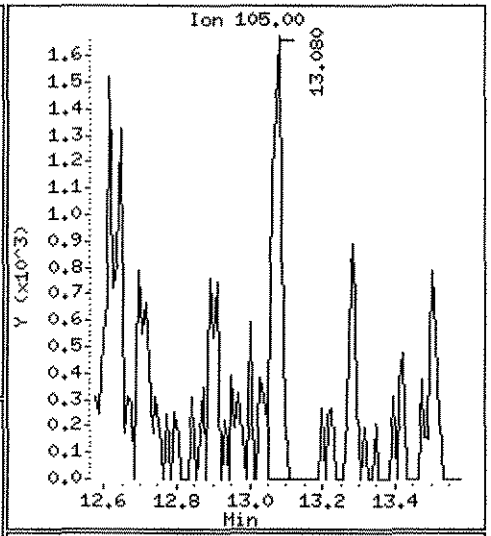
111 1,2,4-Trimethylbenzene Concentration: 0.1372 ug/L

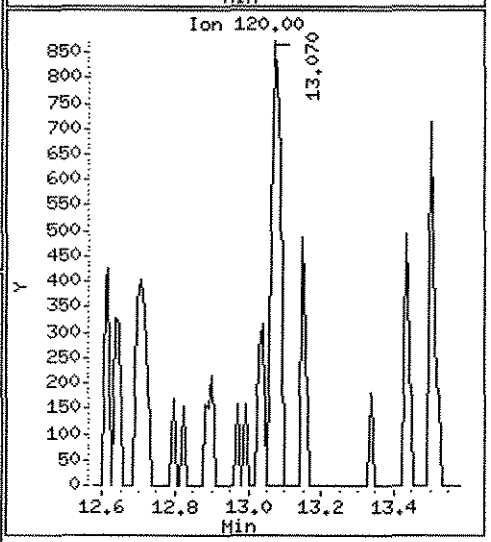












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Date : 23-APR-2011 14:52

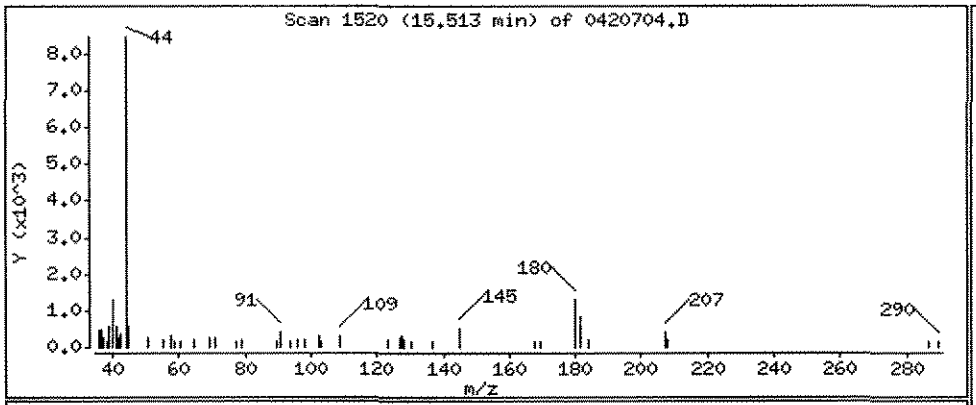
Client ID: FD04151101 Instrument: voa5.i

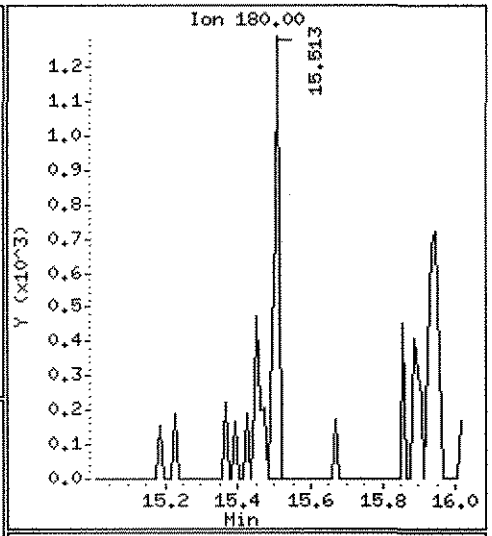
Sample Info: 1104207-04;;;;;

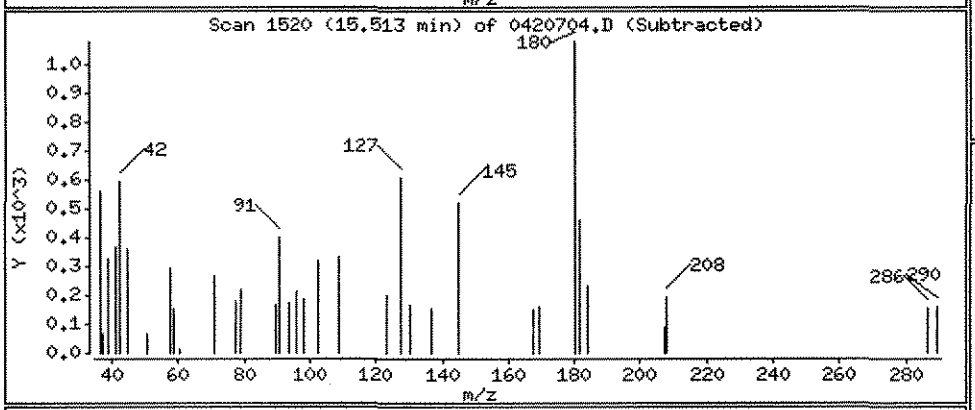
Purge Volume: 5.0 Operator: ADM

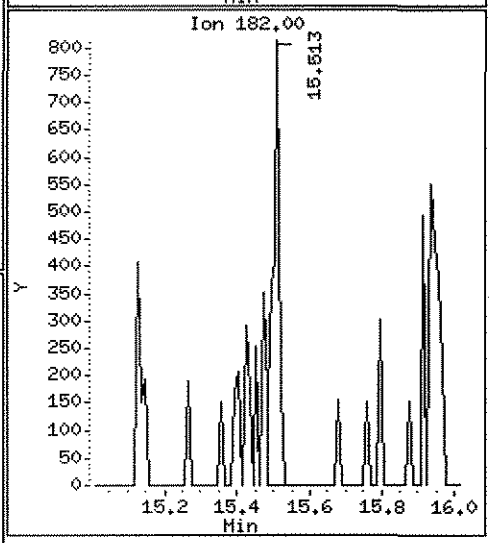
Column phase: RTX-VRX Column diameter: 0.25

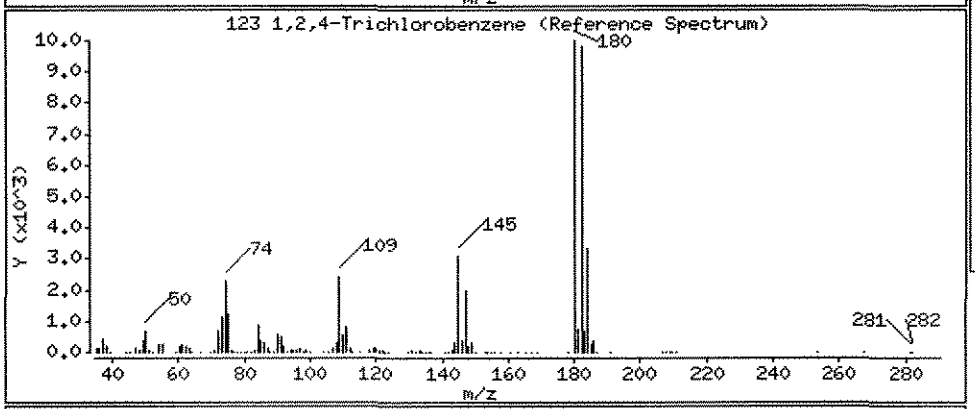
123 1,2,4-Trichlorobenzene Concentration: 0.1674 ug/L

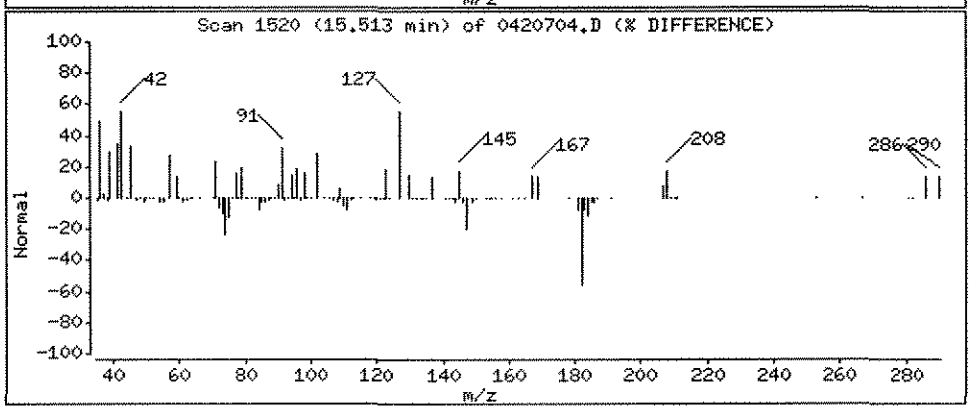












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Date : 23-APR-2011 14:52

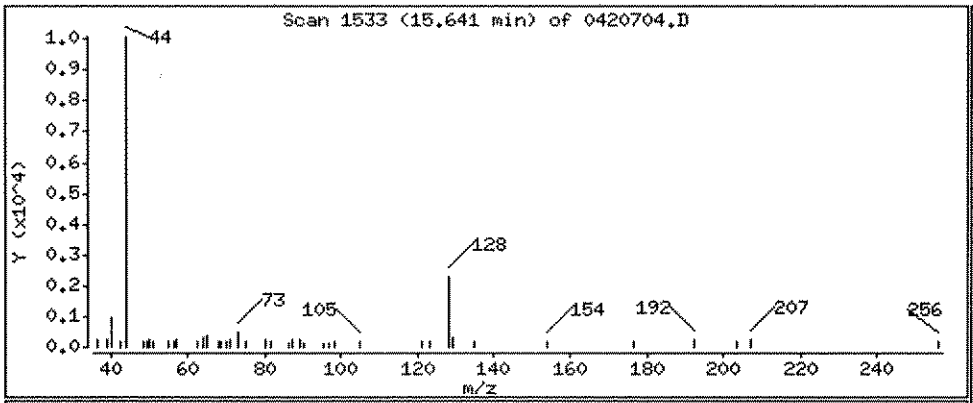
Client ID: FD04151101 Instrument: voa5.i

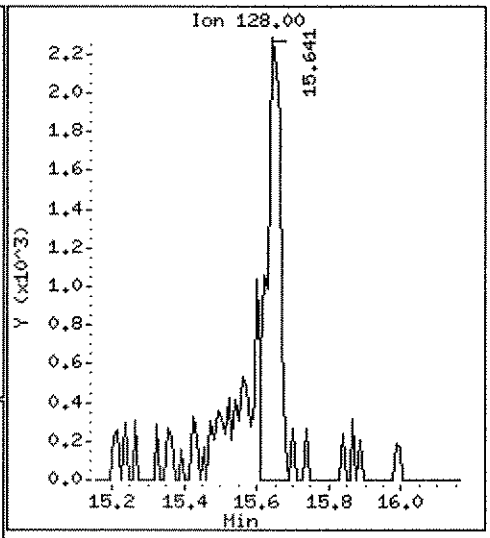
Sample Info: 1104207-04;;;;;

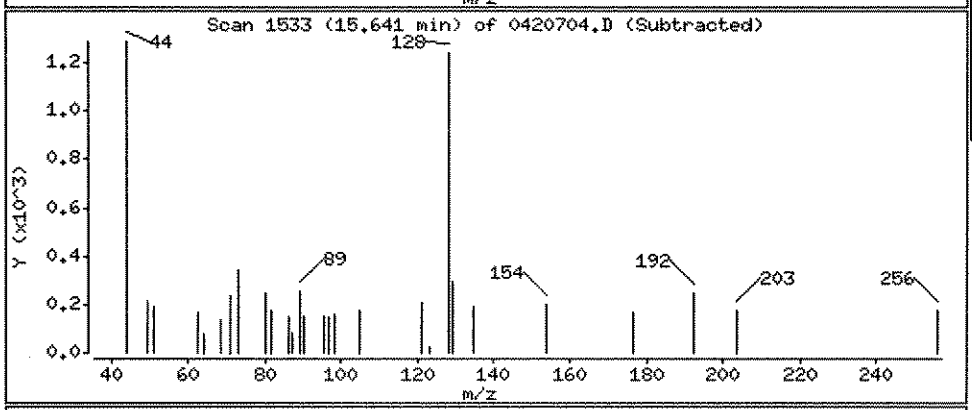
Purge Volume: 5.0 Operator: ADM

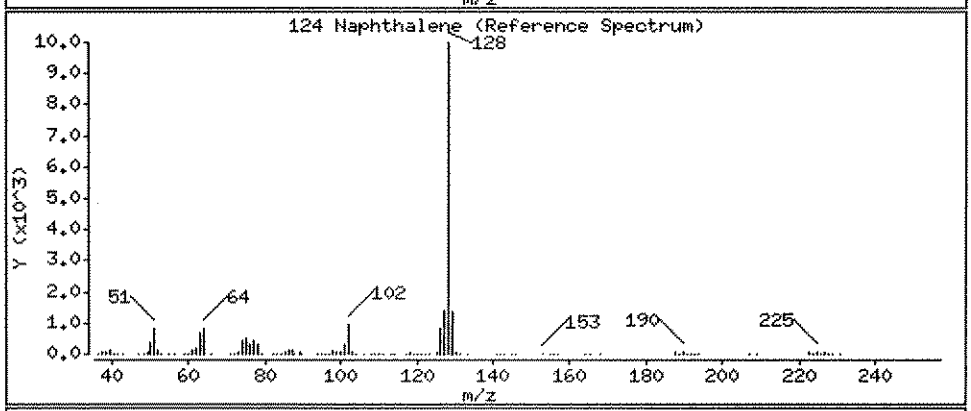
Column phase: RTX-VRX Column diameter: 0.25

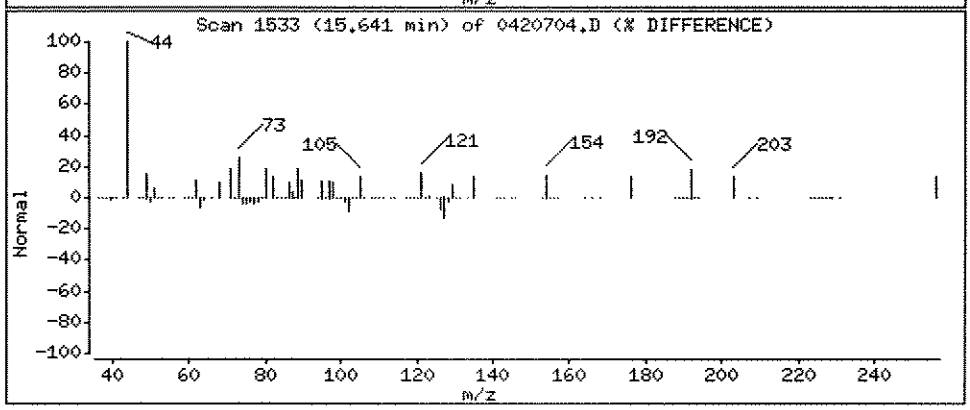
124 Naphthalene Concentration: 0.3055 ug/L











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Date : 23-APR-2011 14:52

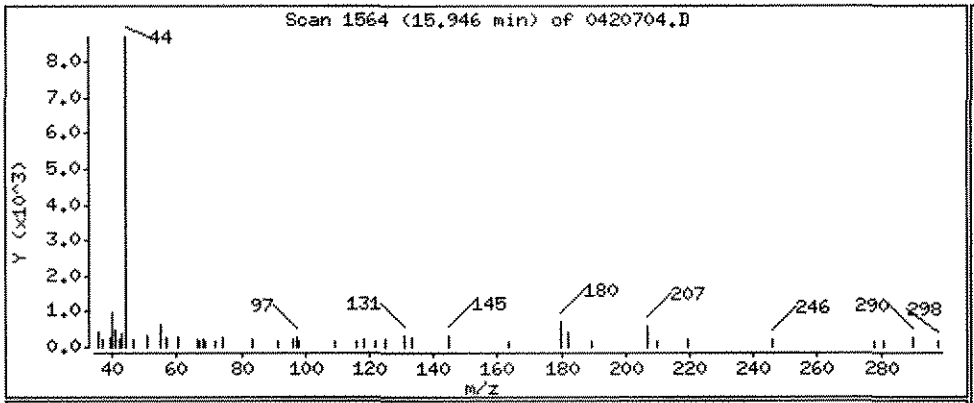
Client ID: FD04151101 Instrument: voa5.i

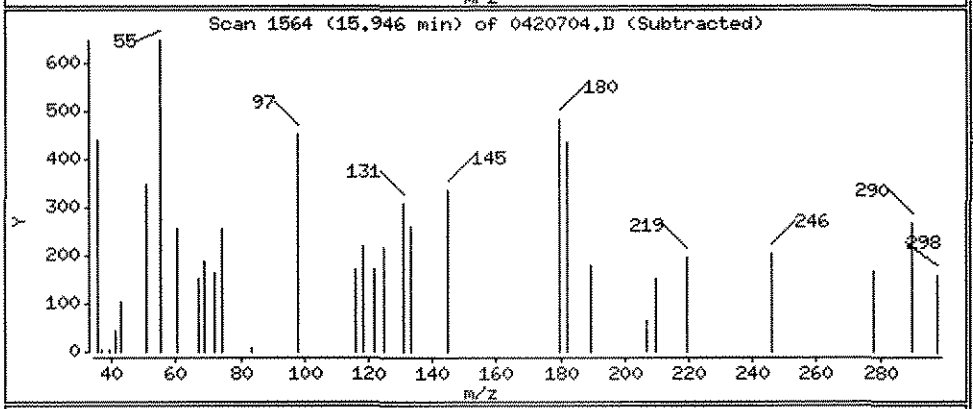
Sample Info: 1104207-04;;;;;

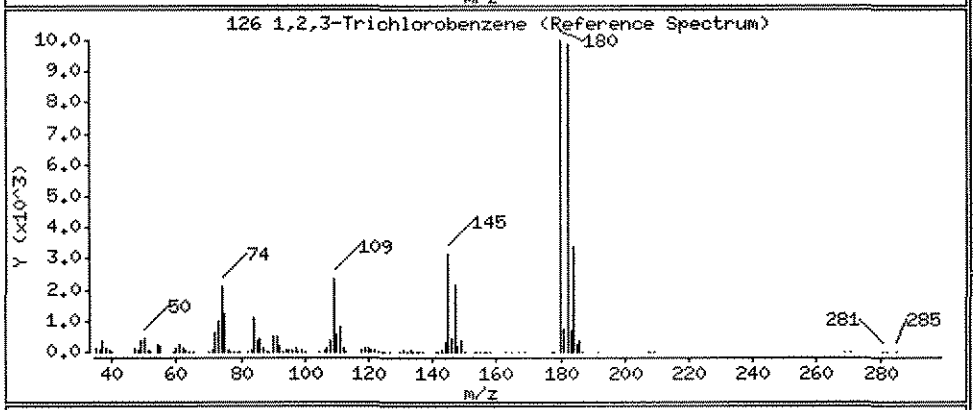
Purge Volume: 5.0 Operator: ADM

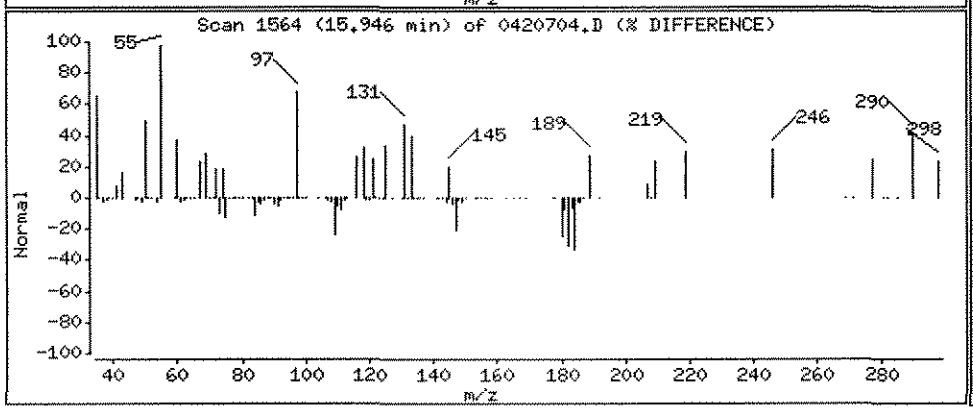
Column phase: RTX-VRX Column diameter: 0.25

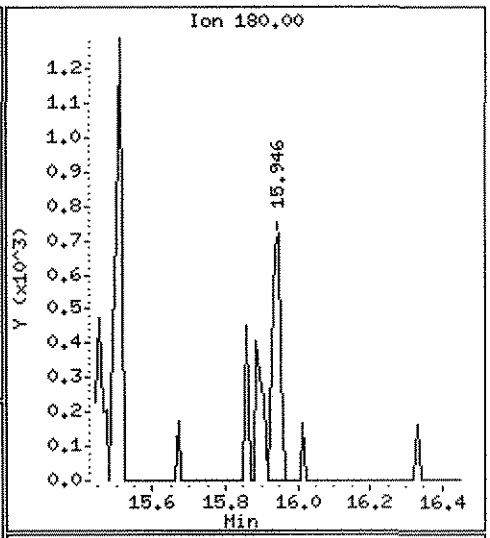
126 1,2,3-Trichlorobenzene Concentration: 0.1683 ug/L

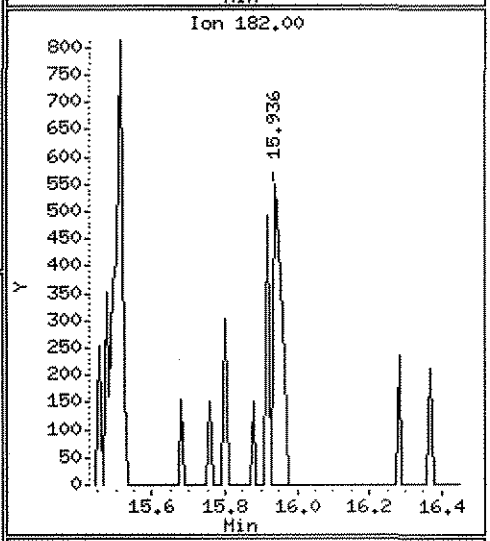


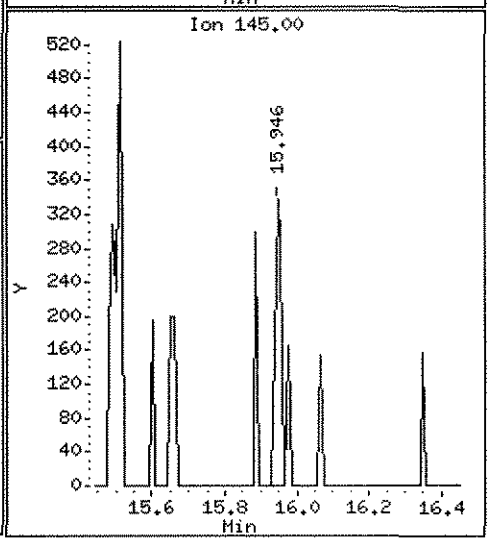












Data File: \\ELABNSH05\TARGET\chem\voa5.i\042311V5.b\0420705.D
Report Date: 24-Apr-2011 05:41

Laboratory Name

Data file : \\ELABNSH05\TARGET\chem\voa5.i\042311V5.b\0420705.D
Lab Smp Id: 1104207-05 Client Smp ID: OLF54 MW31S
Inj Date : 23-APR-2011 15:17 MS Autotune Date: 28-JUL-1998 05:19
Operator : ADM Inst ID: voa5.i
Smp Info : 1104207-05;;;;;
Misc Info : ;0;;;;gm-all.sub;
Comment :
Method : \\ELABNSH05\TARGET\chem\voa5.i\042311V5.b\VW5SUR.m
Meth Date : 24-Apr-2011 05:25 ghallquist Quant Type: ISTD
Cal Date : 15-APR-2011 14:26 Cal File: 0415CALA.D
Als bottle: 34
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: gm-all.sub
Target Version: 4.04
Processing Host: TARGET07_VM

Concentration Formula: Amt * DF * 5*Uf/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	unit correction factor
Vo	5.000	Volume of sample purged (mL)

04/25/11

4-28-11

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
* 62 Fluorobenzene	96	7.902	7.906	(1.000)	1286203	30.0000	
25 Methylene chloride	84	4.691	4.704	(0.594)	5915	0.53873	0.5387(aQ)
$ 51 Dibromofluoromethane	111	6.867	6.871	(0.869)	374014	29.7517	29.75
$ 54 1,2-Dichloroethane-d4	102	7.370	7.374	(0.933)	79173	31.0516	31.05
$ 81 Toluene-d8	98	9.596	9.600	(0.870)	1123204	31.0350	31.03
83 Toluene	92	9.665	9.679	(0.876)	2400	0.12186	0.1218(a)
* 92 Chlorobenzene-d5	82	11.034	11.038	(1.000)	528080	30.0000	
94 Ethylbenzene	91	11.211	11.215	(1.016)	11115	0.31044	0.3104(a)
M 107 Xylene(total)	91				3027	0.10406	0.1041(a)
99 o-Xylene	91	11.724	11.718	(1.062)	3027	0.10406	0.1041(a)
103 Isopropylbenzene	105	12.118	12.122	(1.098)	8808	0.32085	0.3208(a)
$ 104 Bromofluorobenzene	95	12.226	12.230	(1.108)	434263	29.2617	29.26
108 n-Propylbenzene	91	12.531	12.525	(0.933)	11689	0.33097	0.3310(a)
113 1,3,5-Trimethylbenzene	105	12.699	12.703	(0.945)	26084	1.12482	1.125
111 1,2,4-Trimethylbenzene	105	13.073	13.077	(0.973)	29920	1.26904	1.269
114 sec-Butylbenzene	105	13.280	13.284	(0.988)	25142	0.90439	0.9044(a)

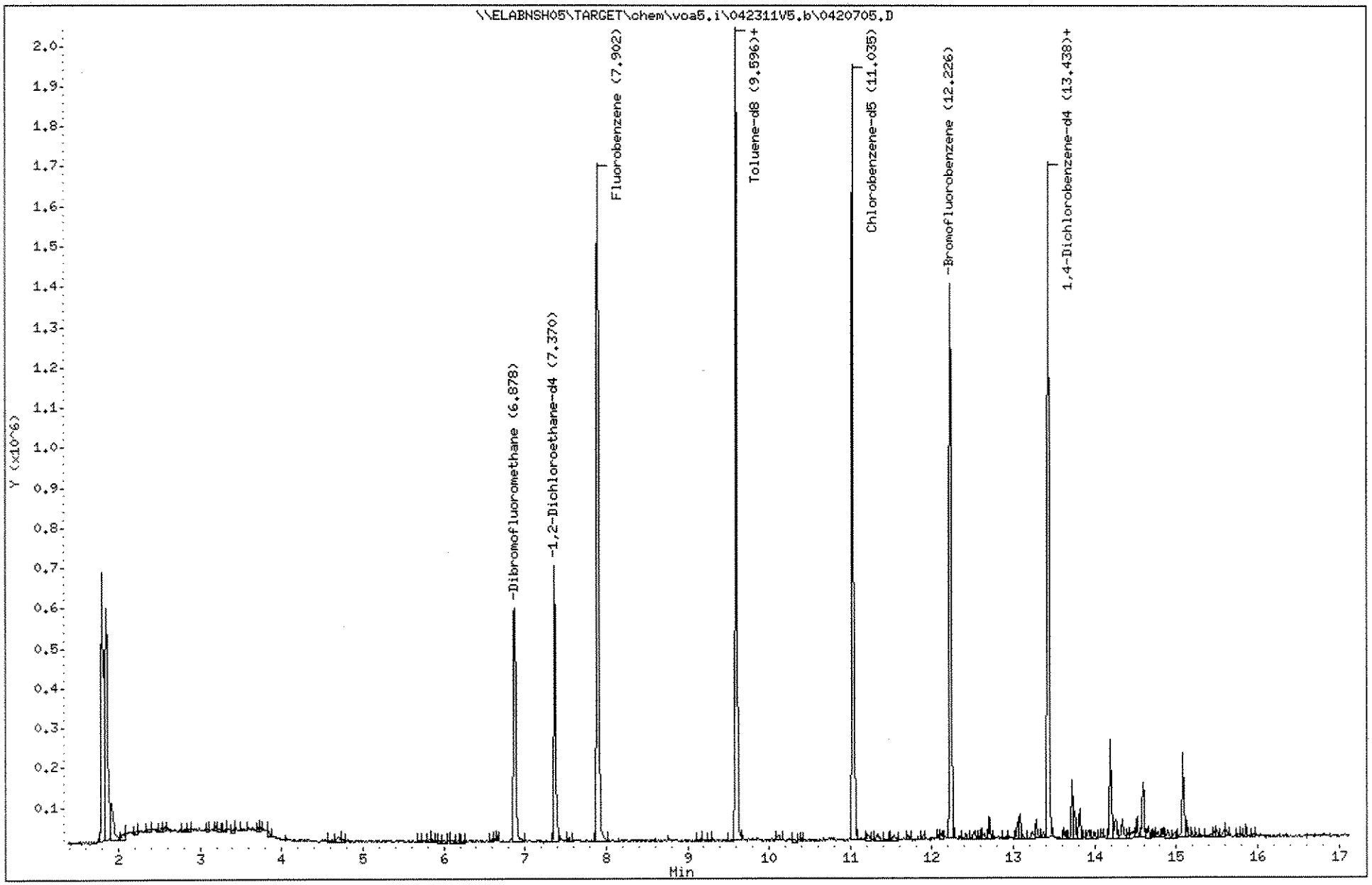
Data File: \\ELABNSH05\TARGET\chem\voa5.i\042311V5.b\0420705.D
Report Date: 24-Apr-2011 05:41

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
112 tert-Butylbenzene	119	13.044	13.048	(0.971)	20174	0.88191	0.8819(a)
* 117 1,4-Dichlorobenzene-d4	152	13.438	13.432	(1.000)	426358	30.0000	(Q)
121 n-Butylbenzene	91	13.812	13.826	(1.028)	10330	0.48308	0.4831(aQ)
123 1,2,4-Trichlorobenzene	180	15.506	15.510	(1.154)	1197	0.14089	0.1409(a)
124 Naphthalene	128	15.664	15.658	(1.166)	5069	0.26877	0.2688(a)
119 p-Isopropyltoluene	119	13.418	13.422	(0.999)	4575	0.19195	0.1920(a)

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.

Data File: \\ELABNSH05\TARGET\chem\voa5.i\042311V5.b\0420705.D
Date : 23-APR-2011 15:17
Client ID: OLF54 MW31S
Instrument: voa5.i
Sample Info: 1104207-05;;;;;
Purge Volume: 5.0
Operator: ADM
Column phase: RTX-VRX
Column diameter: 0.25



Data File: \\ELABNSH05\TARGET\chem\voa5.i\042311V5.b\0420705.D

Date : 23-APR-2011 15:17

Client ID: OLF54 MW31S

Instrument: voa5.i

Sample Info: 1104207-05;;;;;

Purge Volume: 5.0

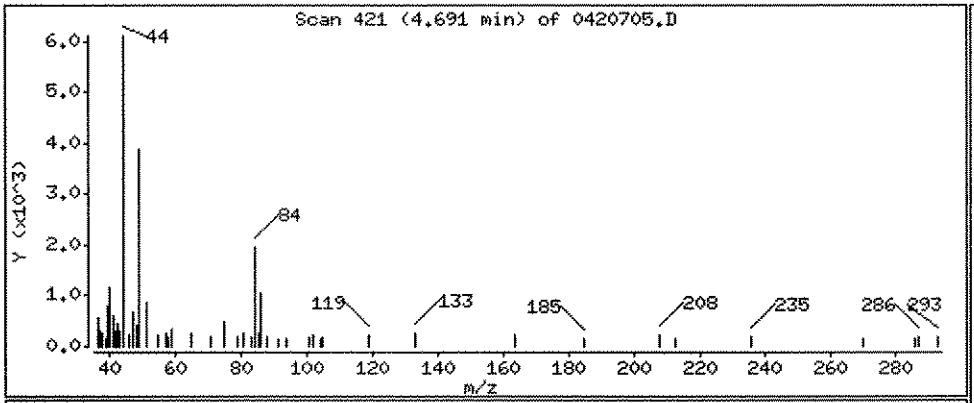
Operator: ADM

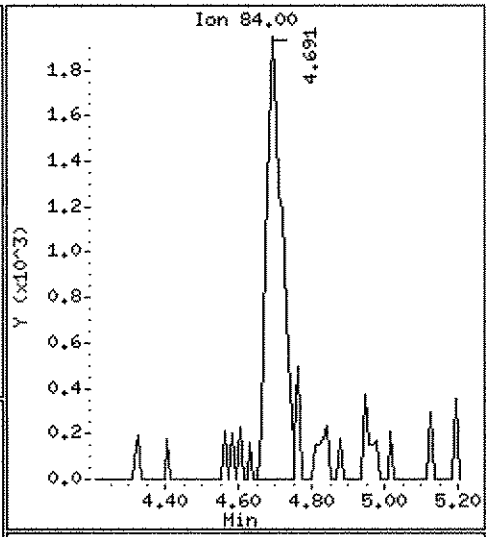
Column phase: RTX-VRX

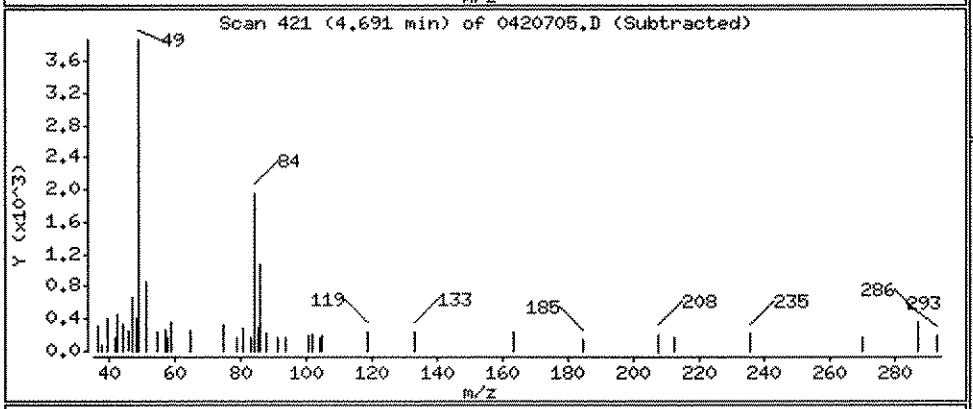
Column diameter: 0.25

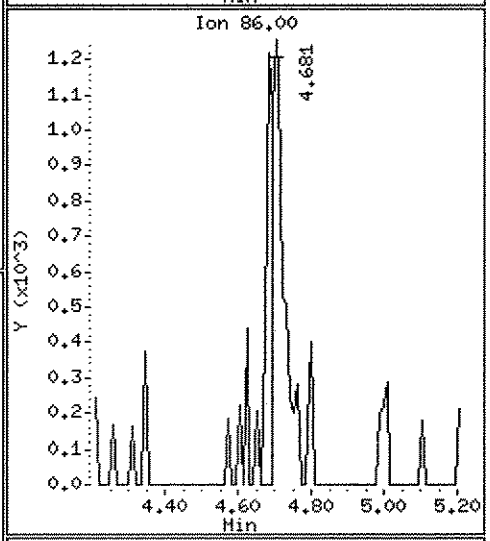
25 Methylene chloride

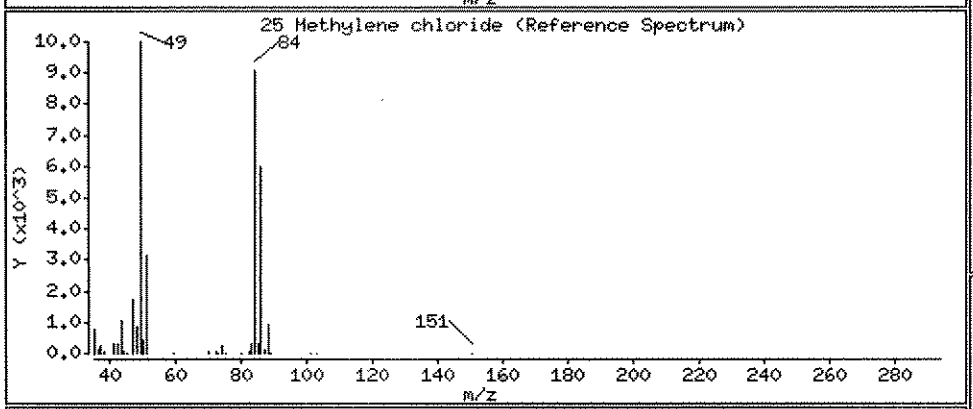
Concentration: 0.5387 ug/L

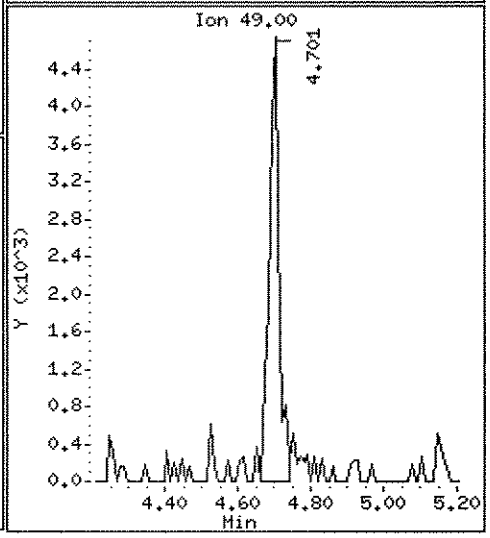


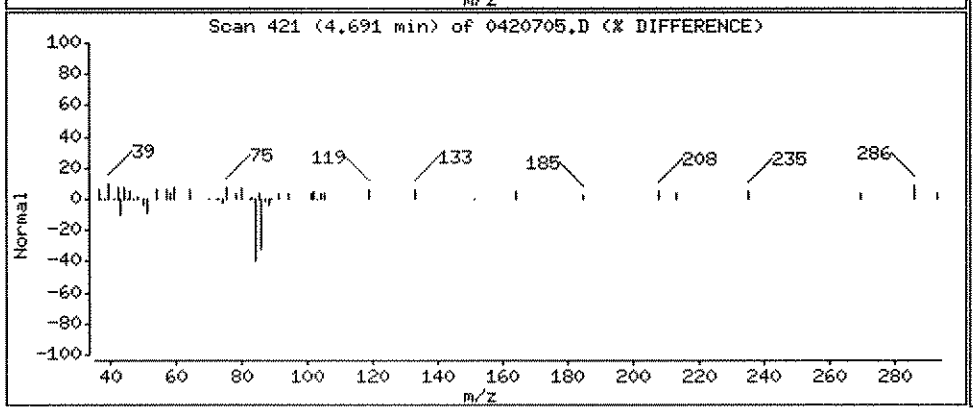












Data File: \\ELABNSH05\TARGET\chem\voa5.i\042311V5.b\0420705.D

Date : 23-APR-2011 15:17

Client ID: OLF54 MW31S

Instrument: voa5.i

Sample Info: 1104207-05;;;;;

Purge Volume: 5.0

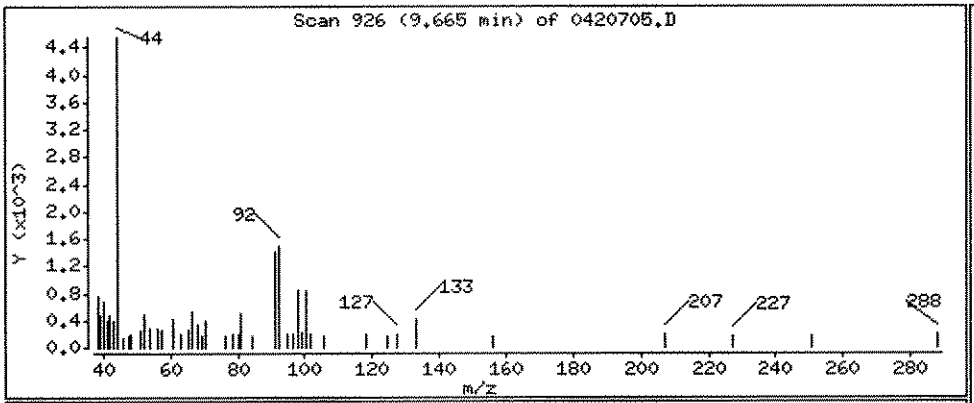
Operator: ADM

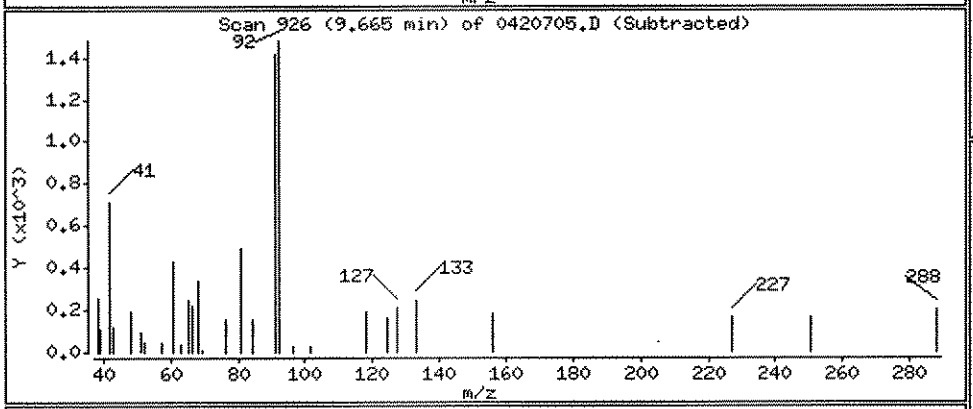
Column phase: RTX-VRX

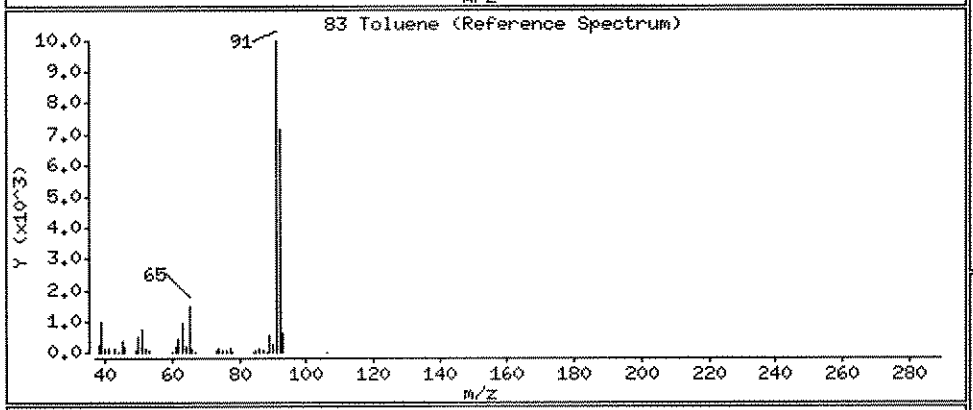
Column diameter: 0.25

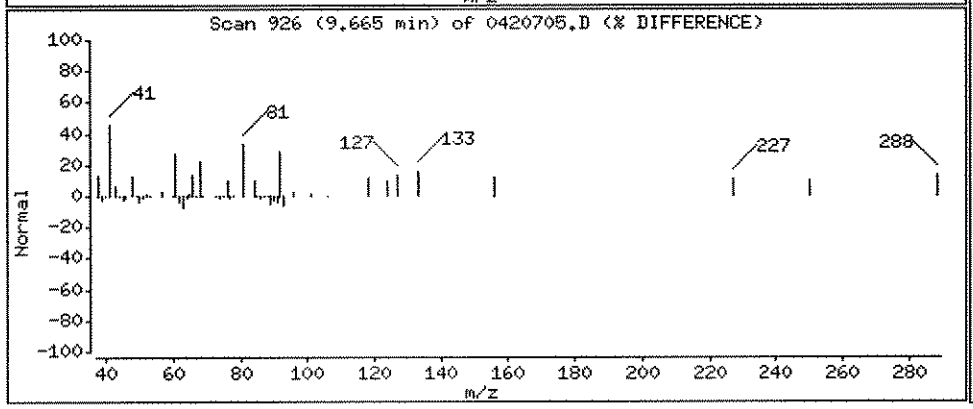
83 Toluene

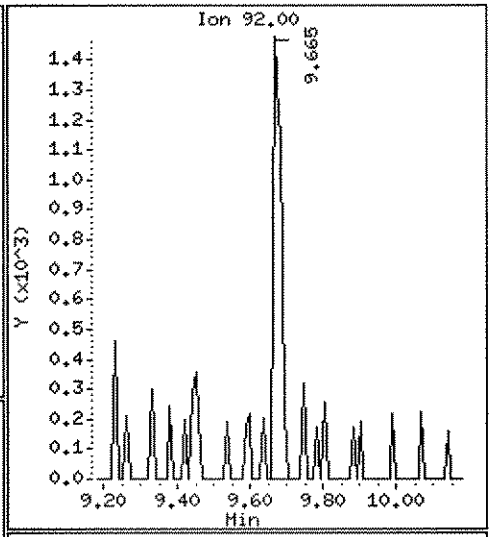
Concentration: 0.1218 ug/L

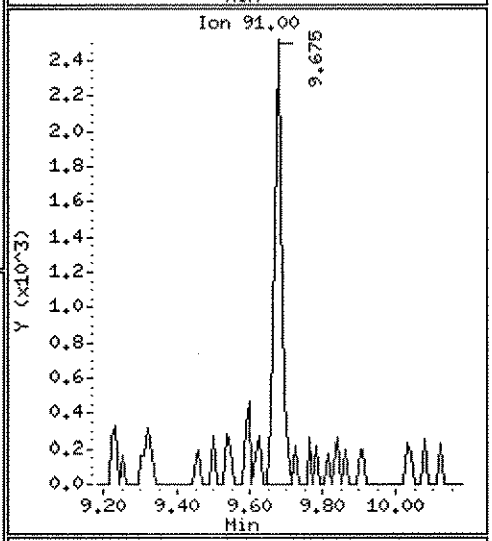


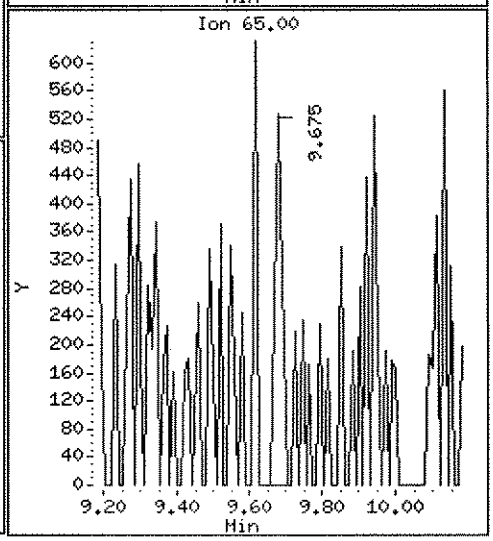












Data File: \\ELABNSH05\TARGET\chem\voa5.i\042311V5.b\0420705.D

Date : 23-APR-2011 15:17

Client ID: OLF54 MW31S

Instrument: voa5.i

Sample Info: 1104207-05;;;;;

Purge Volume: 5.0

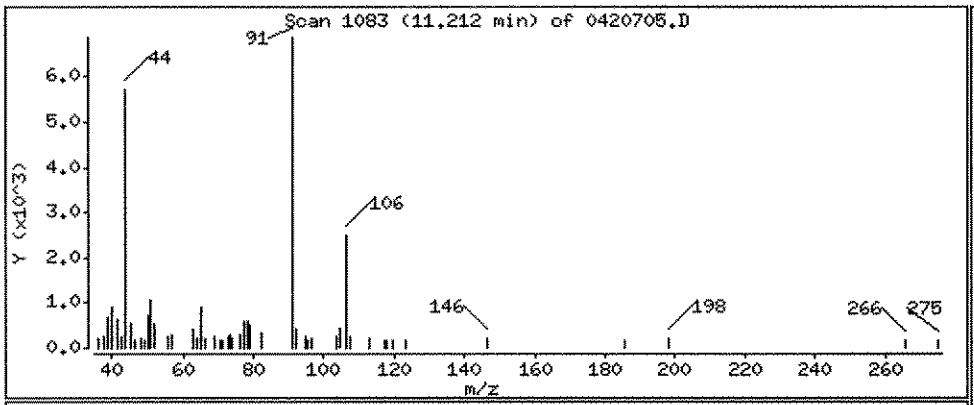
Operator: ADM

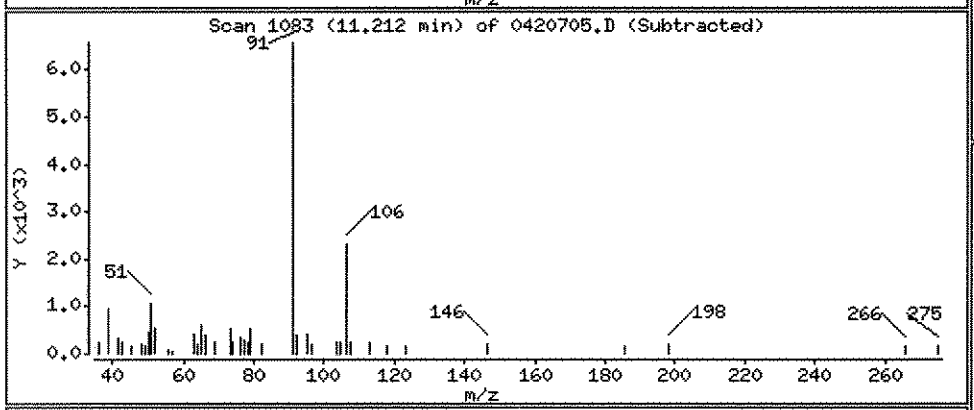
Column phase: RTX-VRX

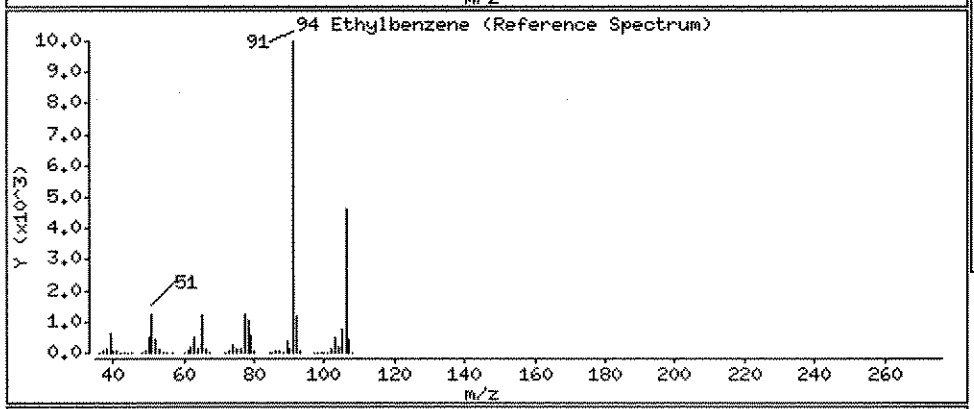
Column diameter: 0.25

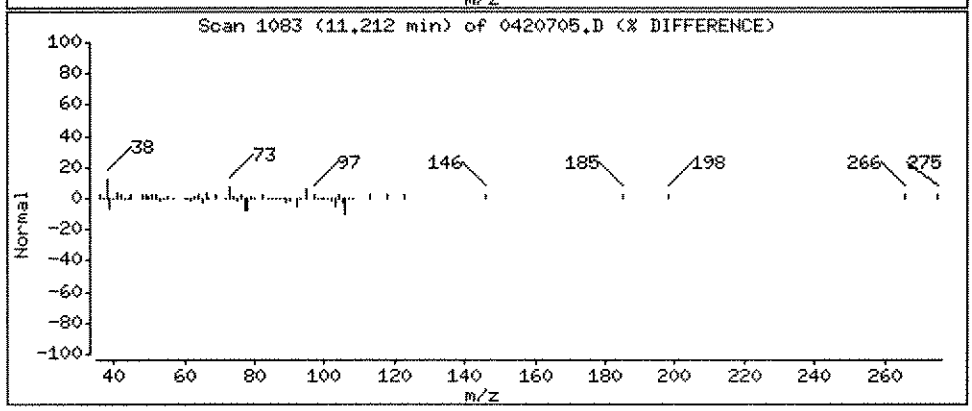
94 Ethylbenzene

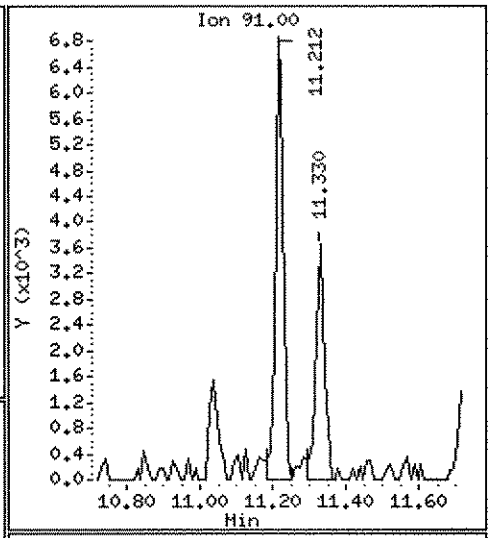
Concentration: 0.3104 ug/L

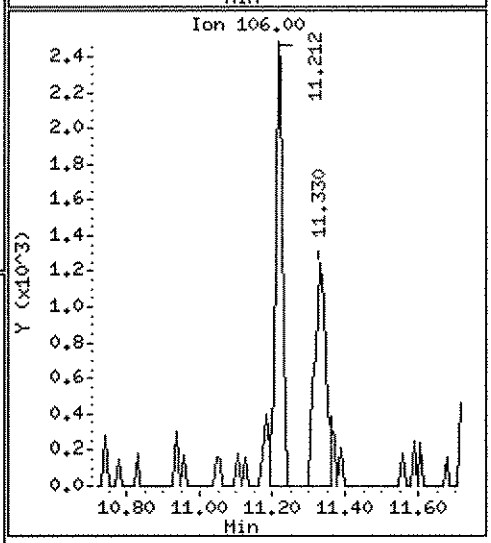












Data File: \\ELABNSH05\TARGET\chem\voa5.i\042311V5.b\0420705.D

Date : 23-APR-2011 15:17

Client ID: OLF54 MW31S

Instrument: voa5.i

Sample Info: 1104207-05;;;;;

Purge Volume: 5.0

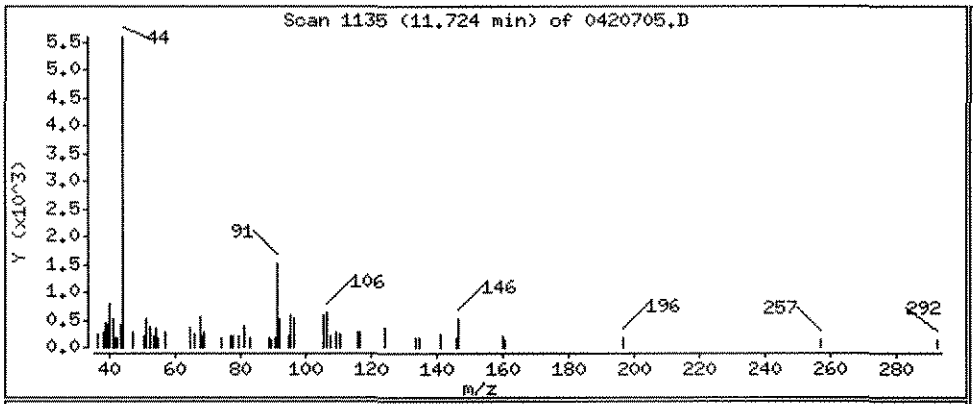
Operator: ADM

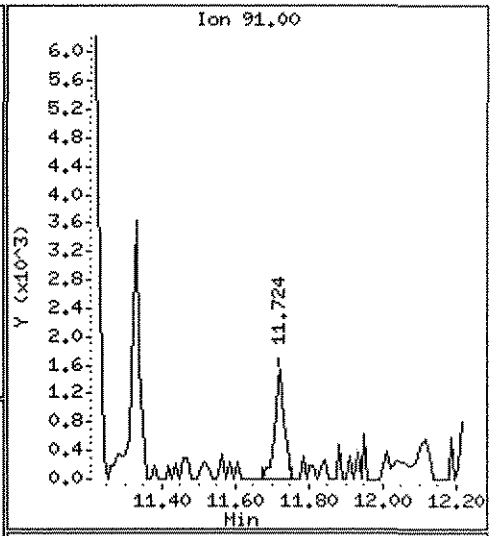
Column phase: RTX-VRX

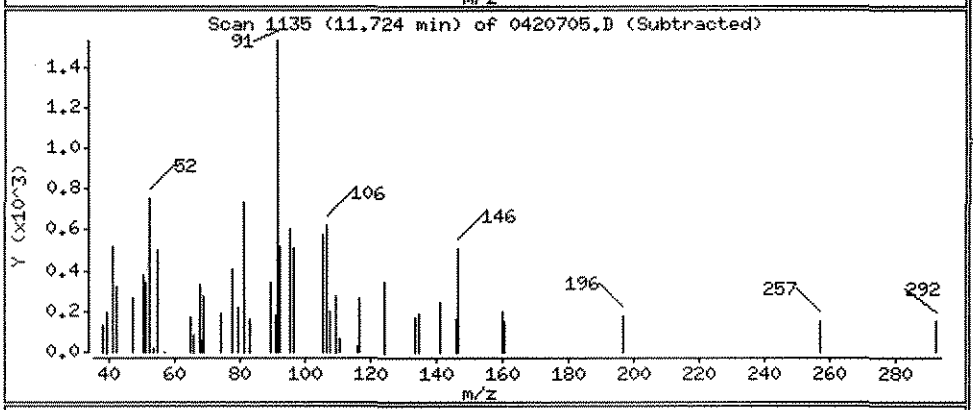
Column diameter: 0.25

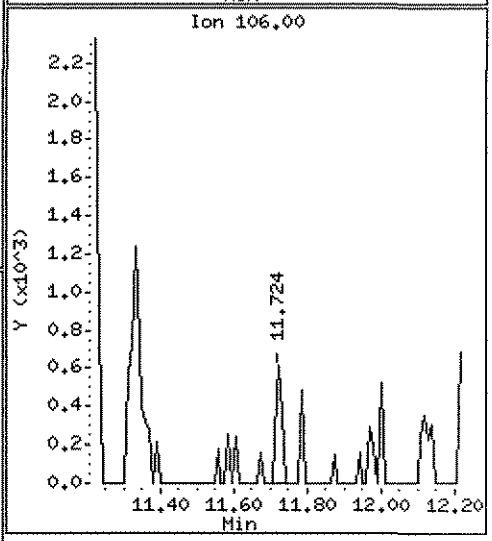
99 o-Xylene

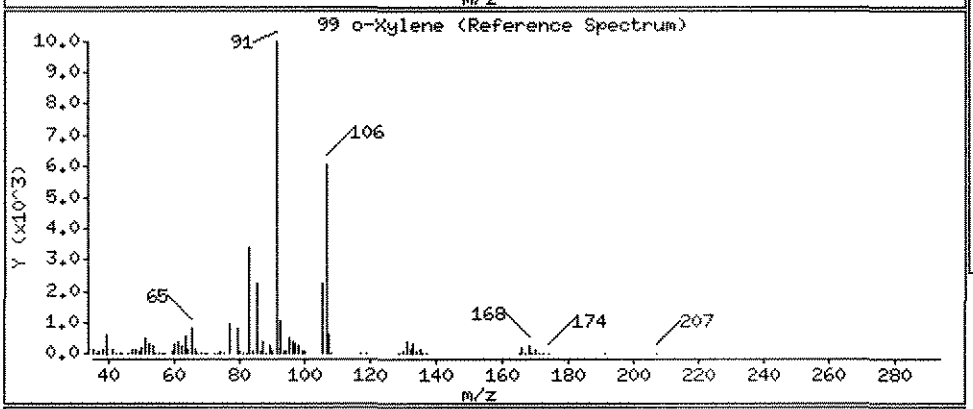
Concentration: 0.1041 ug/L

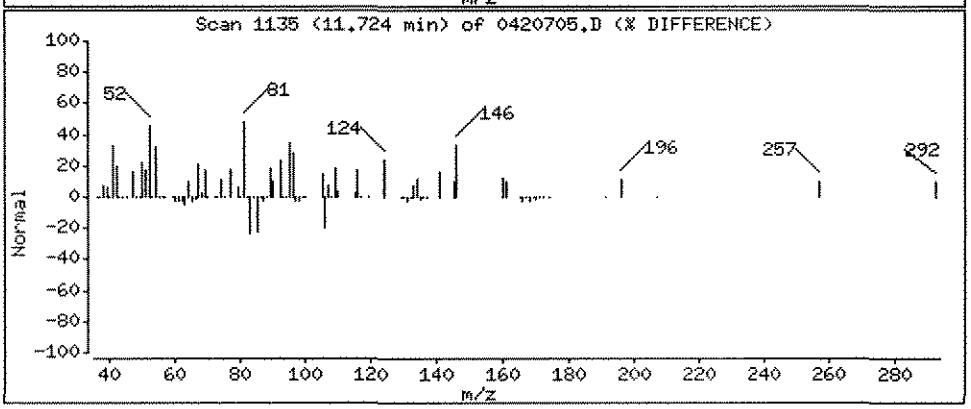












Data File: \\ELABNSH05\TARGET\chem\voa5.i\042311V5.b\0420705.D

Date : 23-APR-2011 15:17

Client ID: OLF54 MW31S

Instrument: voa5.i

Sample Info: 1104207-05;;;;;

Purge Volume: 5.0

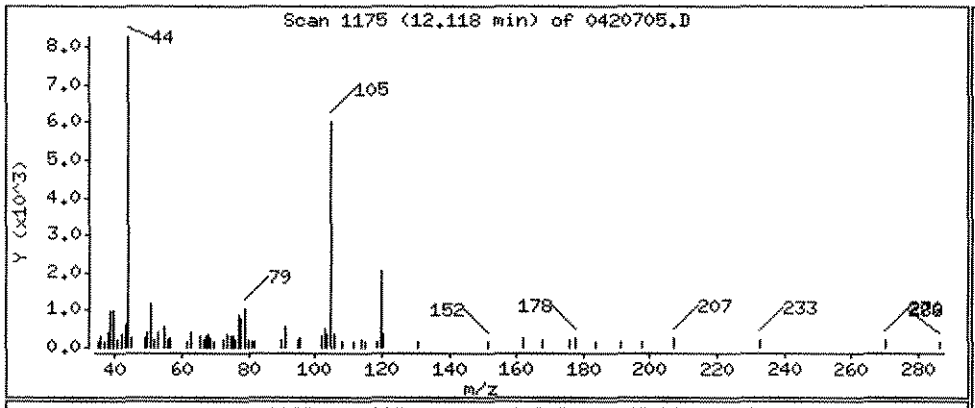
Operator: ADM

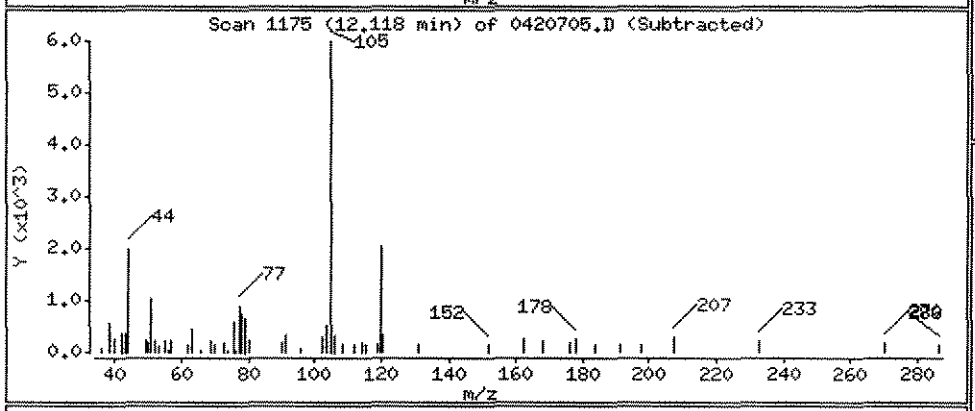
Column phase: RTX-VRX

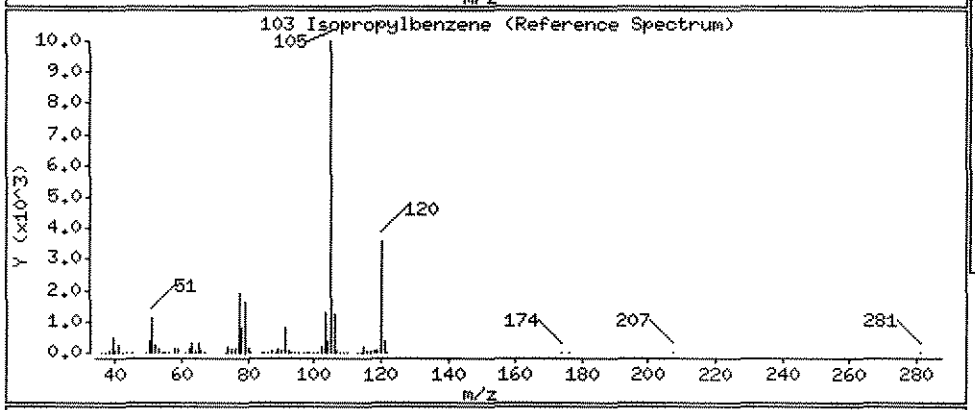
Column diameter: 0.25

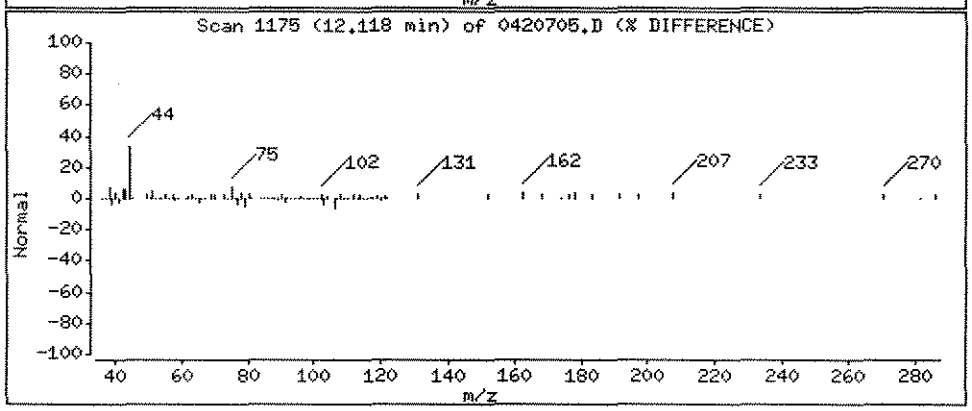
103 Isopropylbenzene

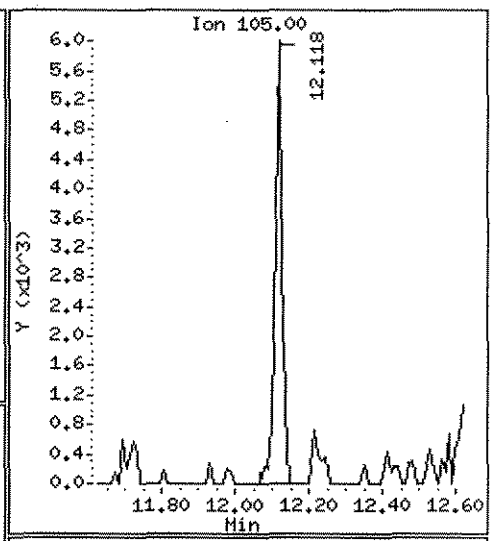
Concentration: 0.3208 ug/L

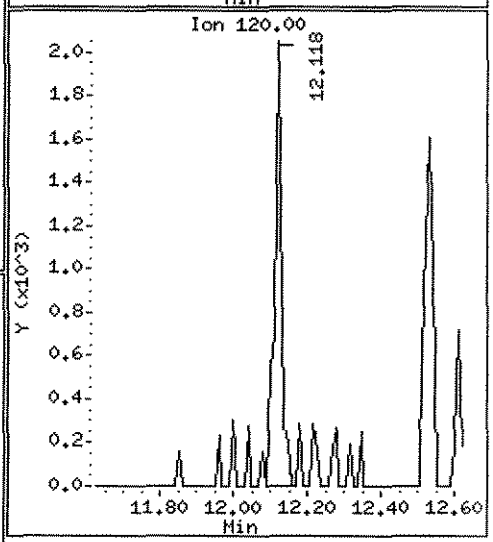












Data File: \\ELABNSH05\TARGET\chem\voa5.i\042311V5.b\0420705.D

Date : 23-APR-2011 15:17

Client ID: OLF54 MW31S

Instrument: voa5.i

Sample Info: 1104207-05;;;;;

Purge Volume: 5.0

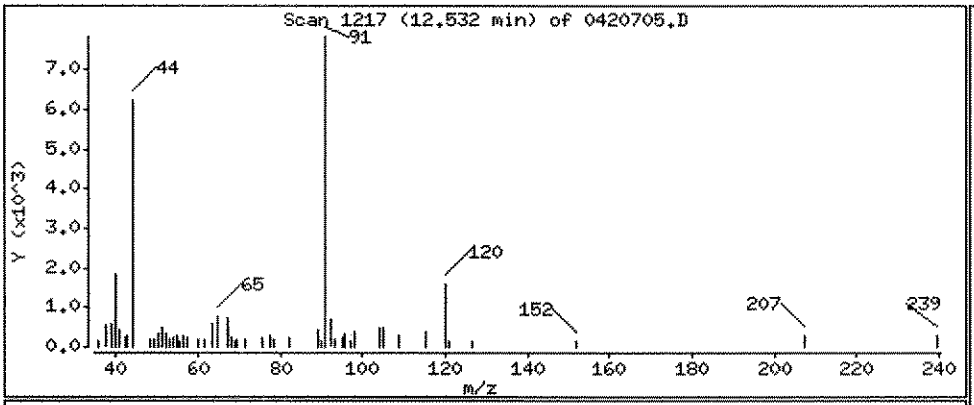
Operator: ADM

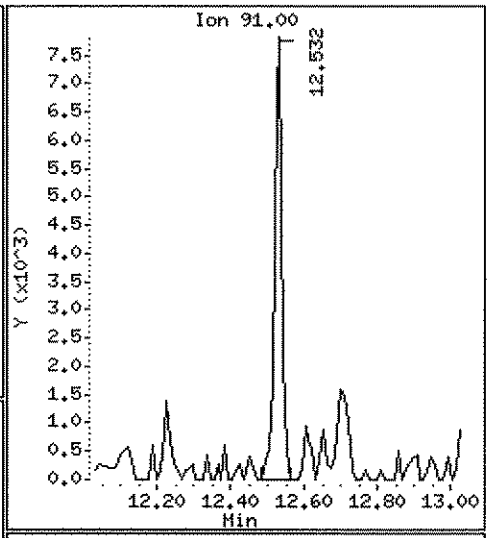
Column phase: RTX-VRX

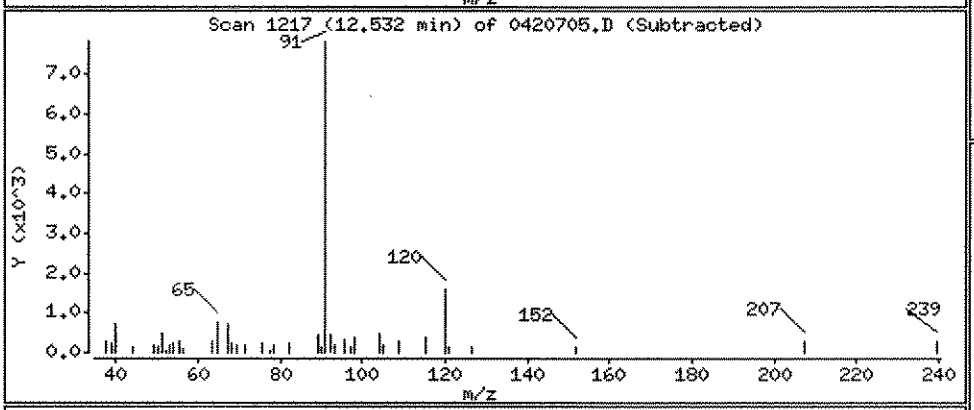
Column diameter: 0.25

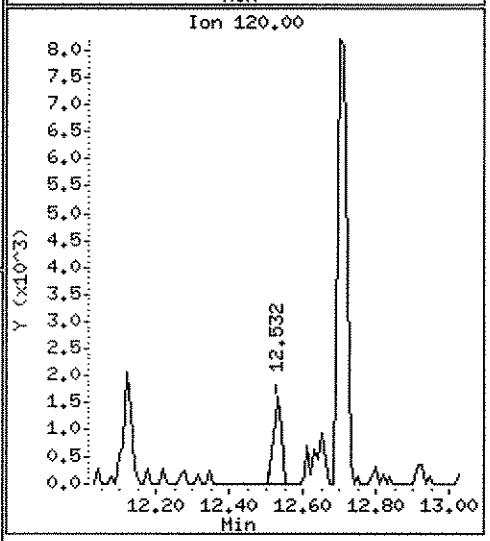
108 n-Propylbenzene

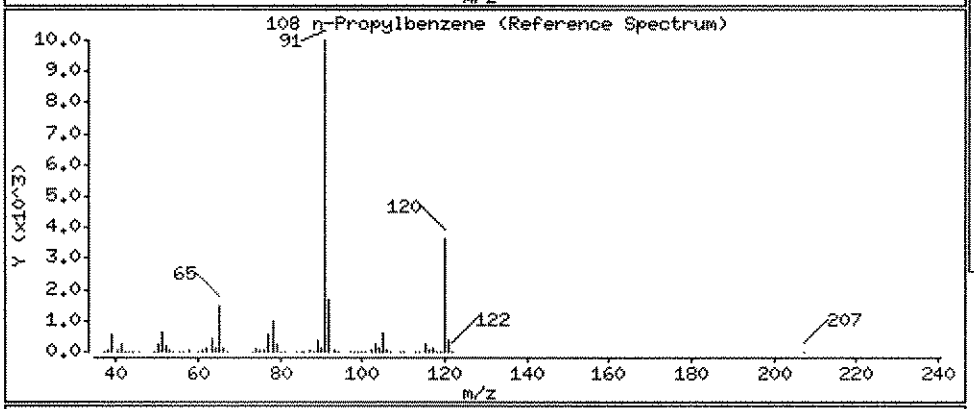
Concentration: 0.3310 ug/L

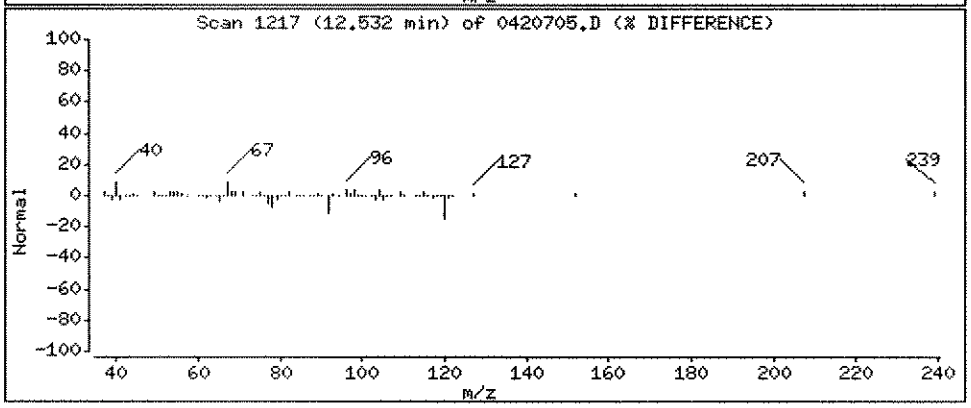












Data File: \\ELABNSH05\TARGET\chem\voa5.i\042311V5.b\0420705.D

Date : 23-APR-2011 15:17

Client ID: OLF54 MW31S

Instrument: voa5.i

Sample Info: 1104207-05;;;;;

Purge Volume: 5.0

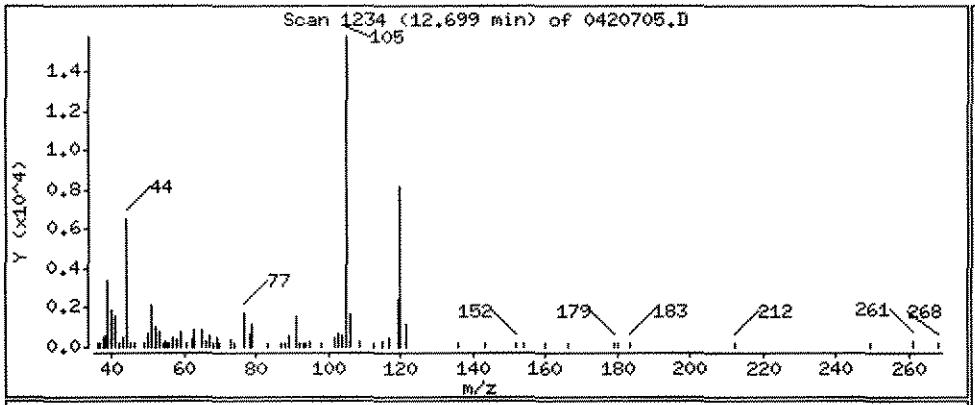
Operator: ADM

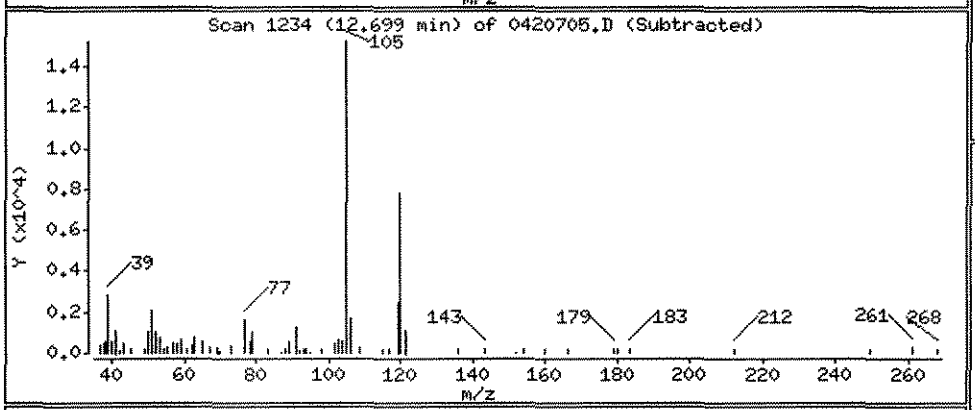
Column phase: RTX-VRX

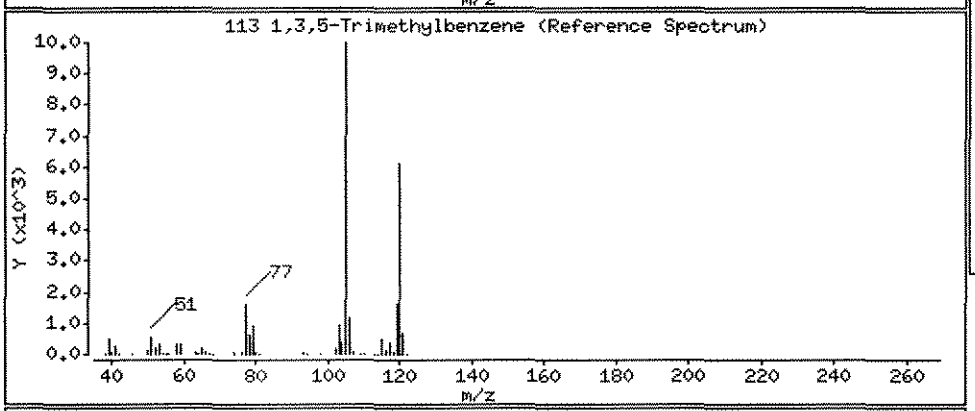
Column diameter: 0.25

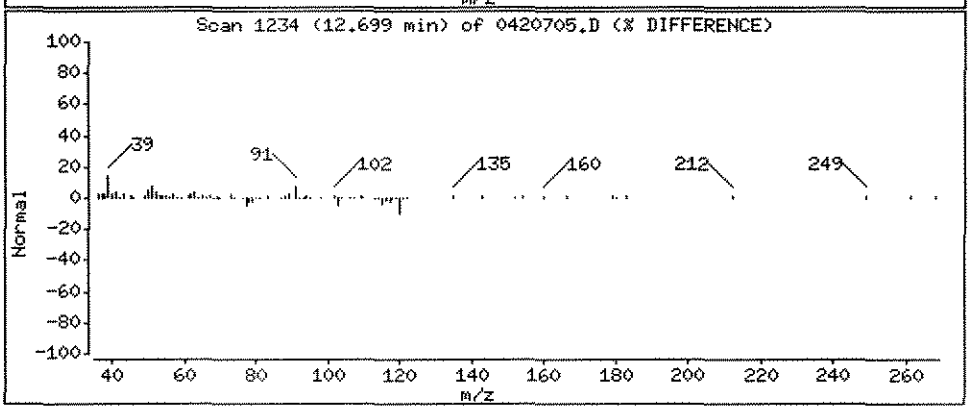
113 1,3,5-Trimethylbenzene

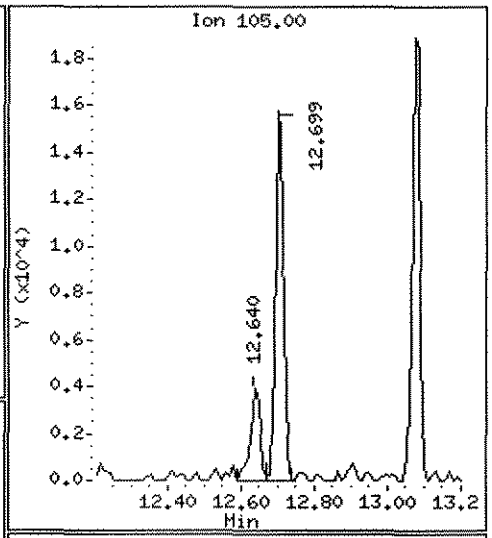
Concentration: 1.125 ug/L

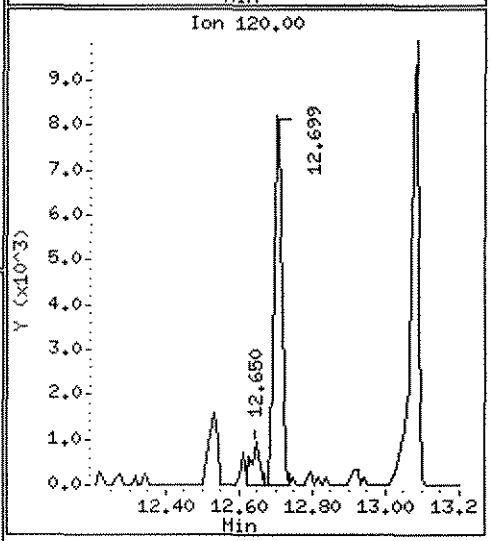












Data File: \\ELABNSH05\TARGET\chem\voa5.i\042311V5.b\0420705.D

Date : 23-APR-2011 15:17

Client ID: OLF54 MW31S

Instrument: voa5.i

Sample Info: 1104207-05;;;;;

Purge Volume: 5.0

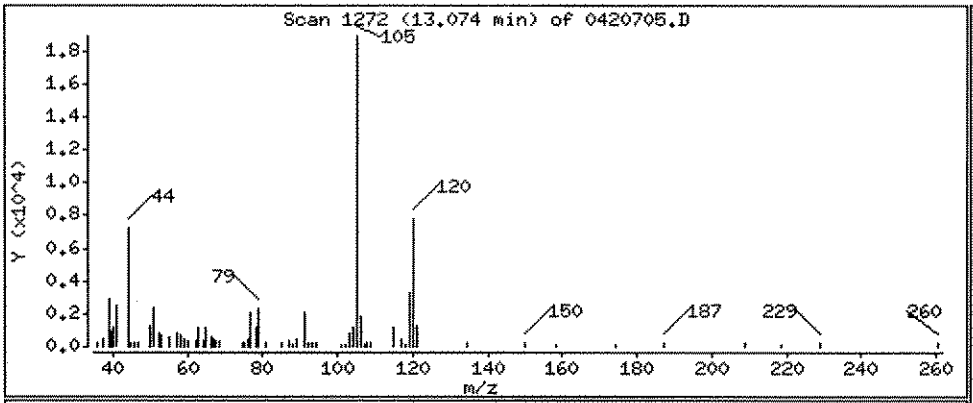
Operator: ADM

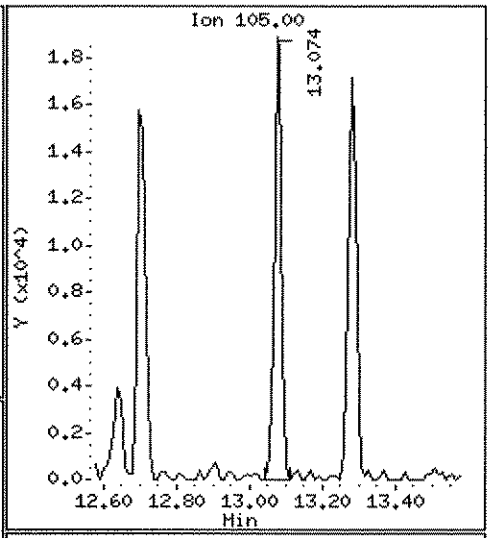
Column phase: RTX-VRX

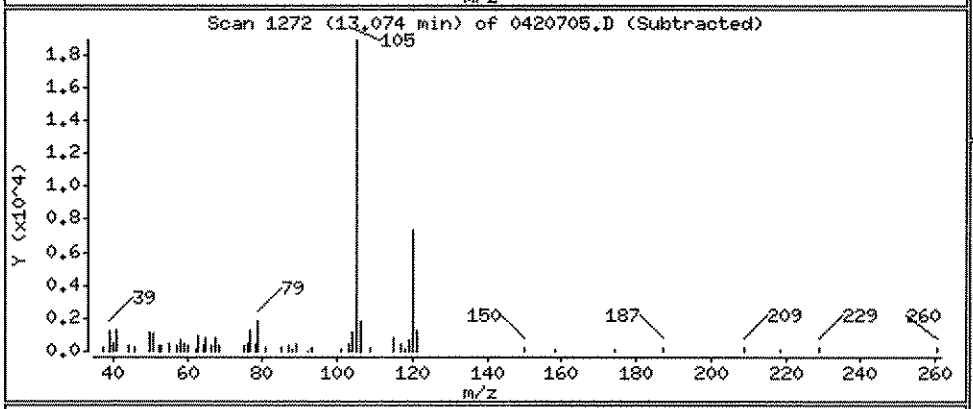
Column diameter: 0.25

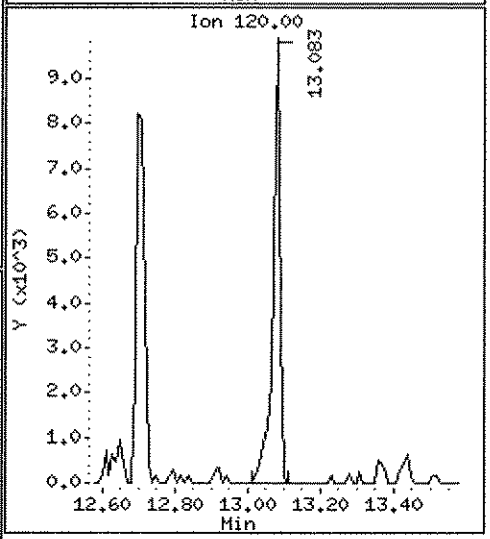
111 1,2,4-Trimethylbenzene

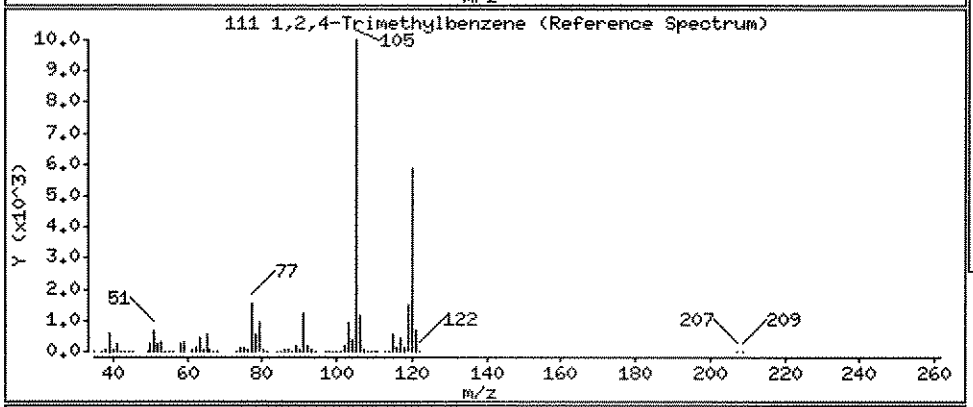
Concentration: 1.269 ug/L

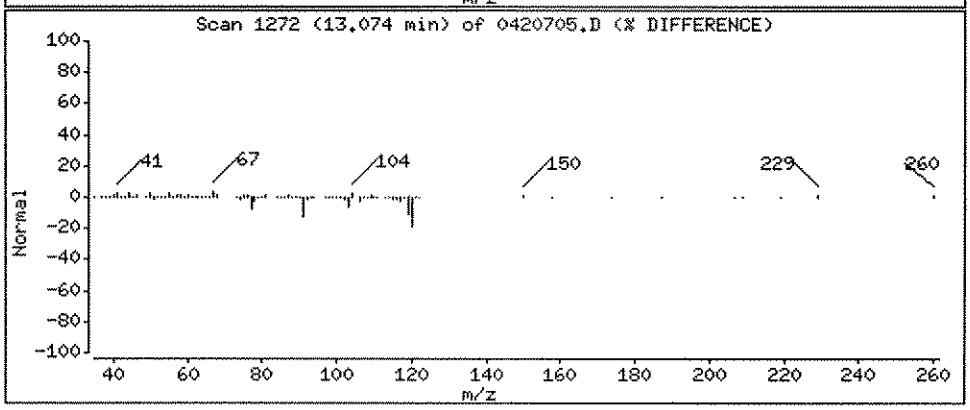












Data File: \\ELABNSH05\TARGET\chem\voa5.i\042311V5.b\0420705.D

Date : 23-APR-2011 15:17

Client ID: OLF54 MW31S

Instrument: voa5.i

Sample Info: 1104207-05;;;;;

Purge Volume: 5.0

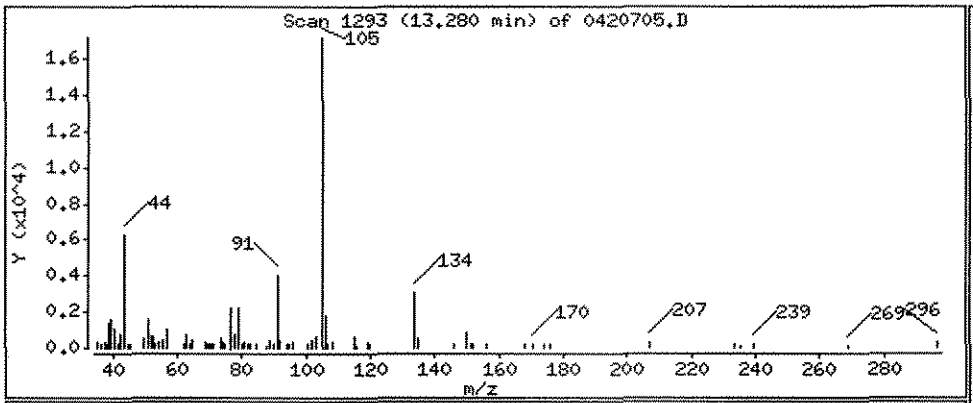
Operator: ADM

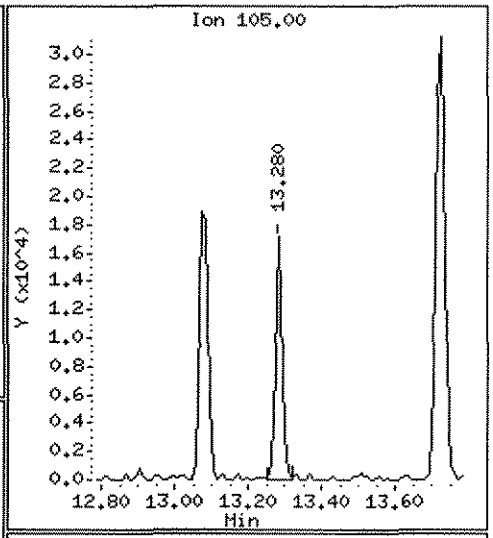
Column phase: RTX-VRX

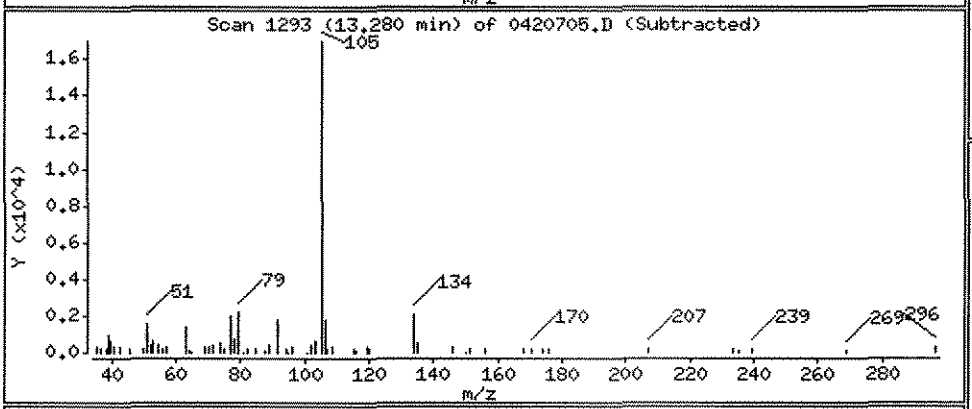
Column diameter: 0.25

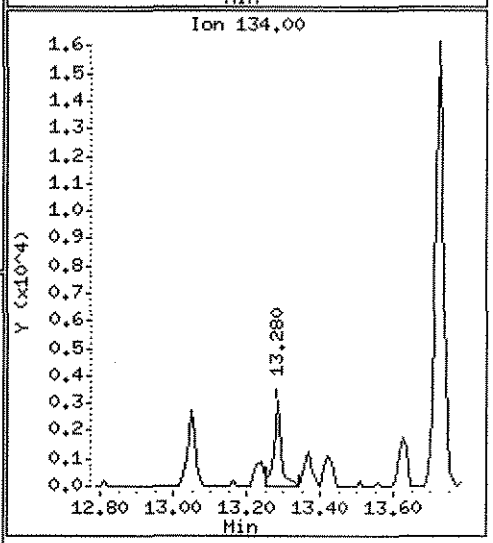
114 sec-Butylbenzene

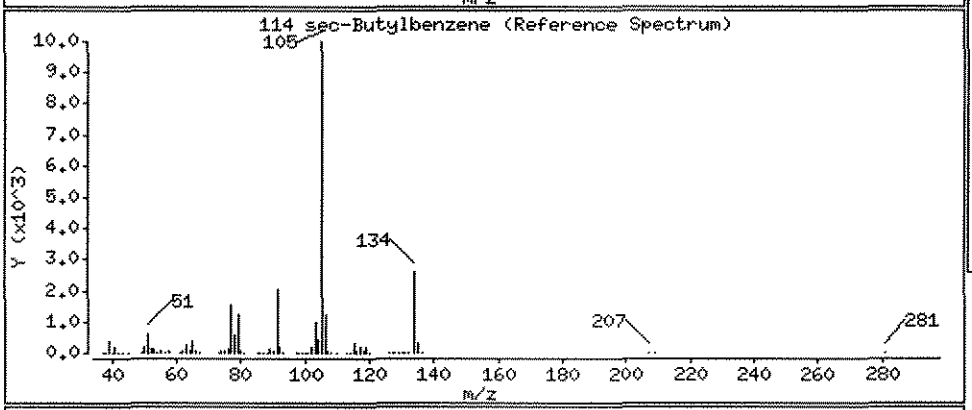
Concentration: 0.9044 ug/L

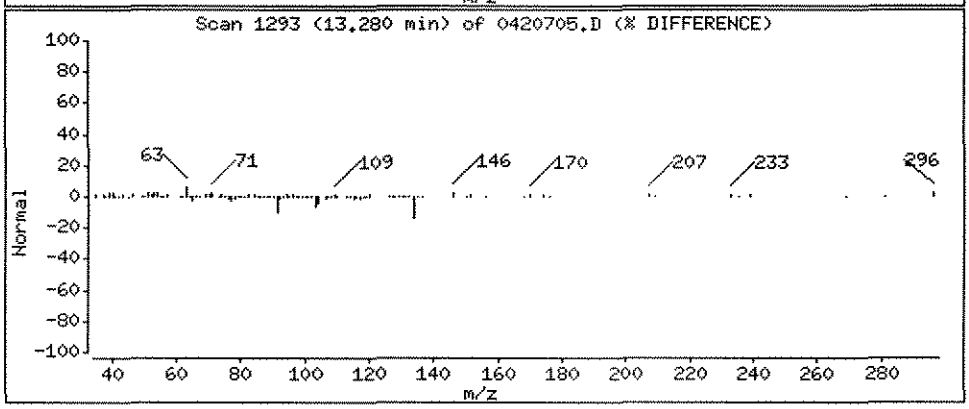












Data File: \\ELABNSH05\TARGET\chem\voa5.i\042311V5.b\0420705.D

Date : 23-APR-2011 15:17

Client ID: OLF54 MW31S

Instrument: voa5.i

Sample Info: 1104207-05;;;;;

Purge Volume: 5.0

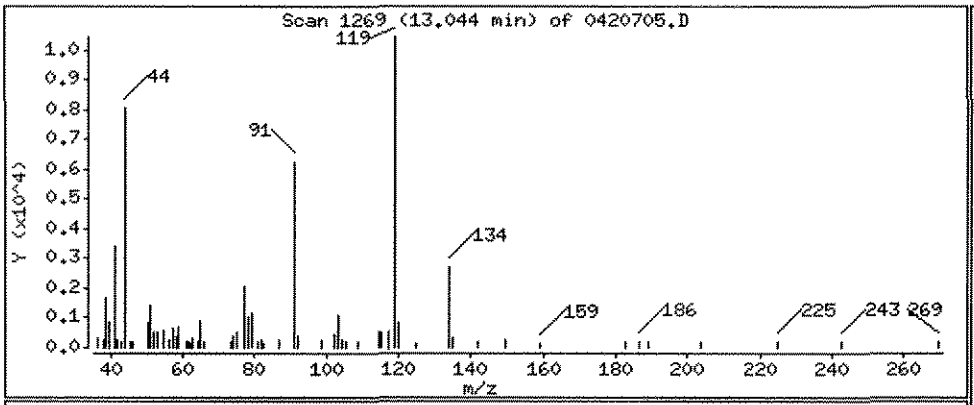
Operator: ADM

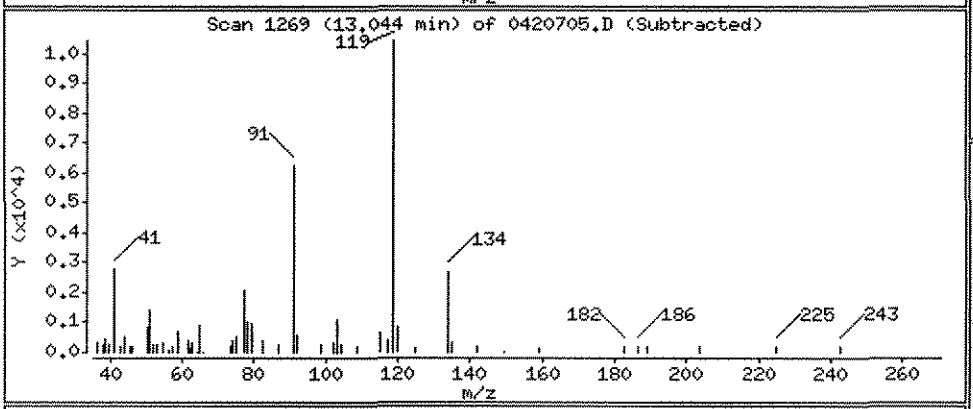
Column phase: RTX-VRX

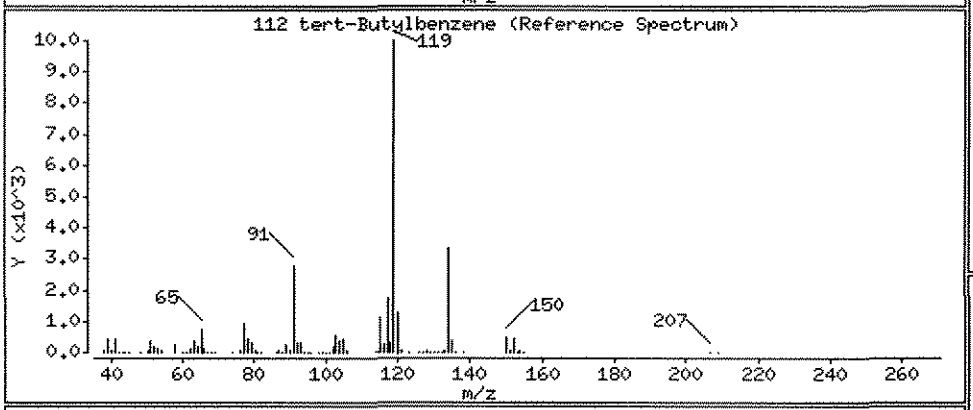
Column diameter: 0.25

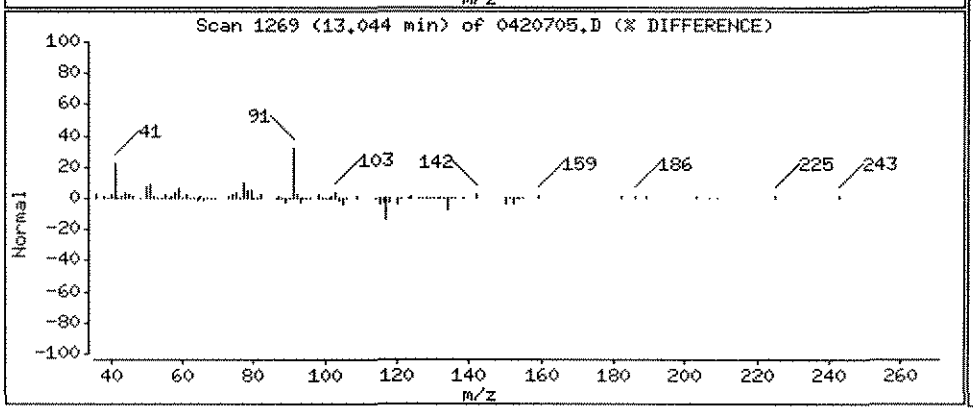
112 tert-Butylbenzene

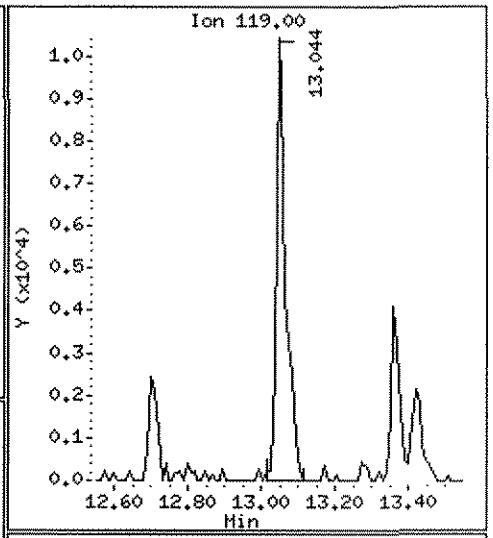
Concentration: 0.8819 ug/L

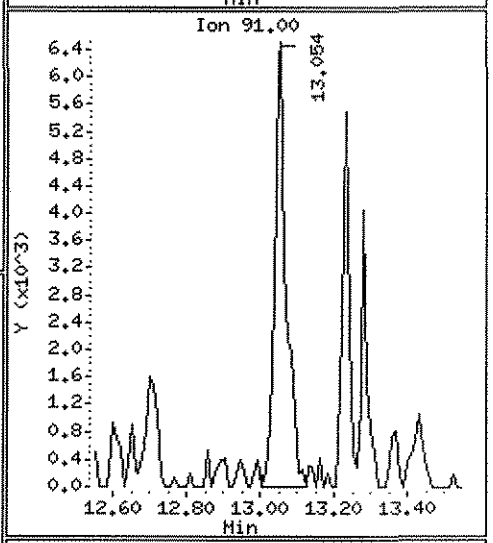


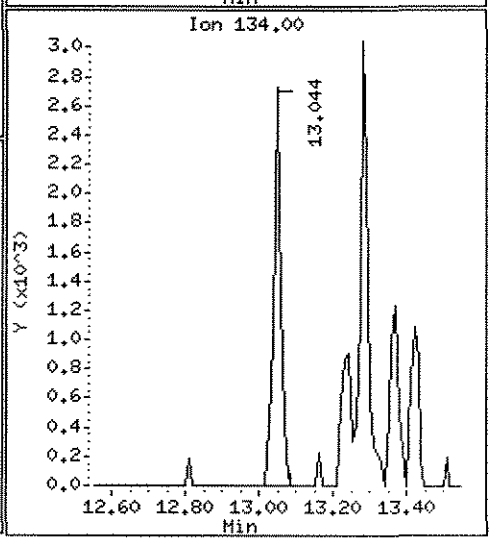












Data File: \\ELABNSH05\TARGET\chem\voa5.i\042311V5.b\0420705.D

Date : 23-APR-2011 15:17

Client ID: OLF54 MW31S

Instrument: voa5.i

Sample Info: 1104207-05;;;;;

Purge Volume: 5.0

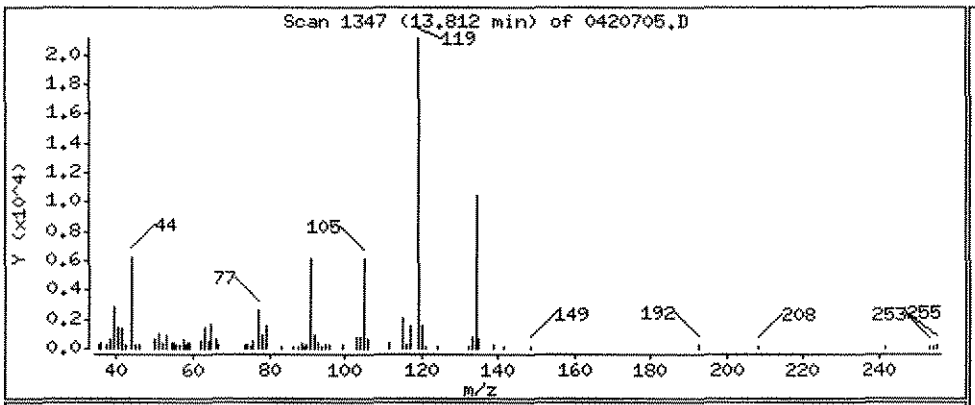
Operator: ADM

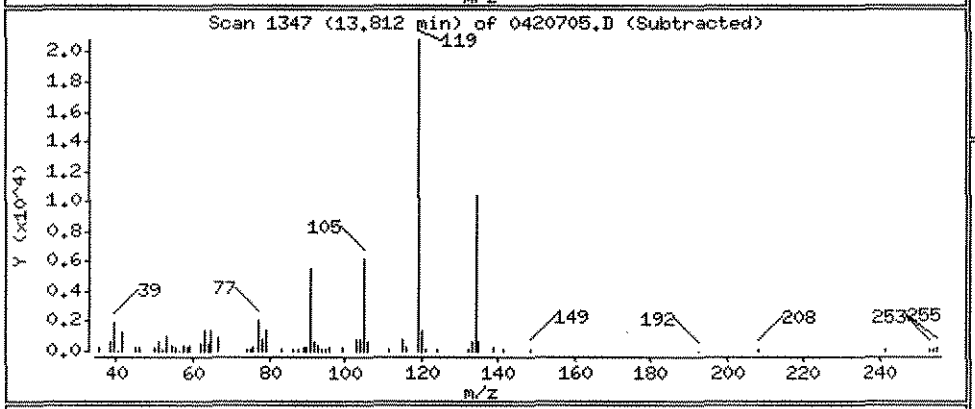
Column phase: RTX-VRX

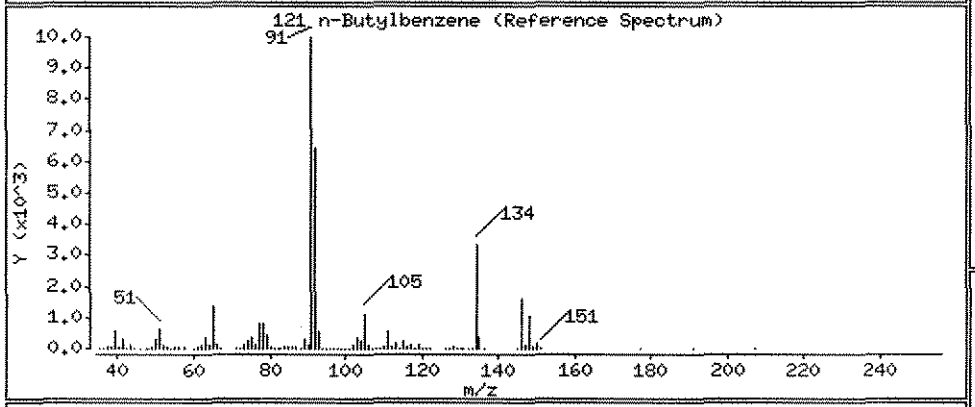
Column diameter: 0.25

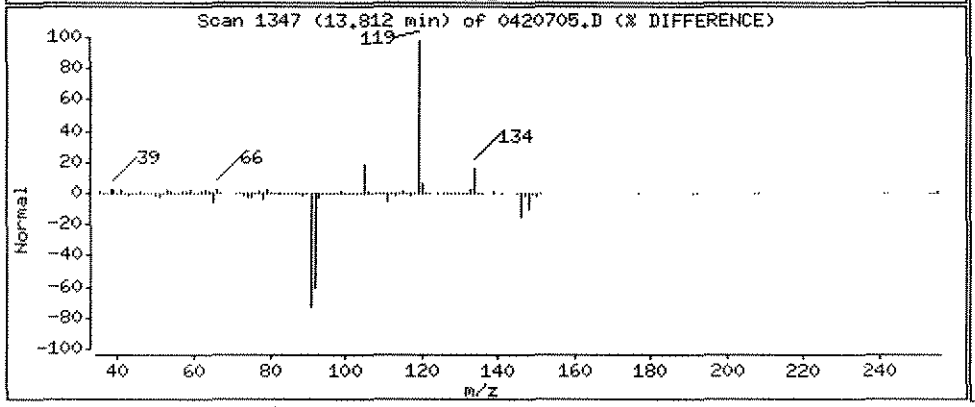
121 n-Butylbenzene

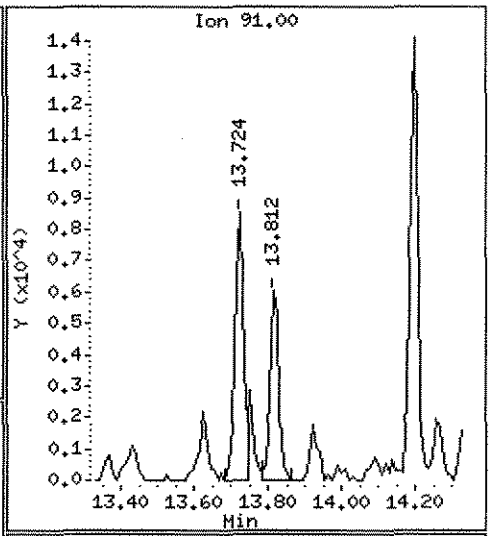
Concentration: 0.4831 ug/L

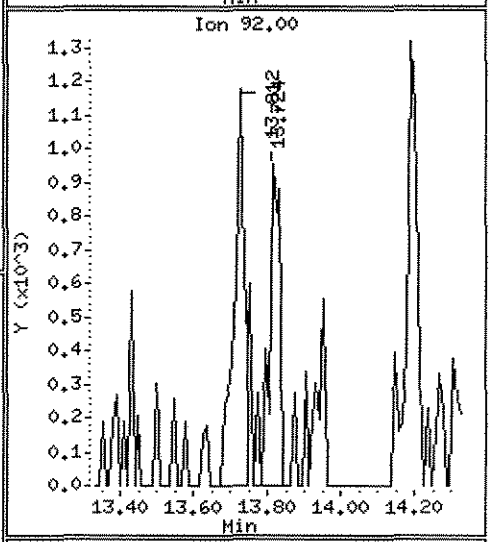


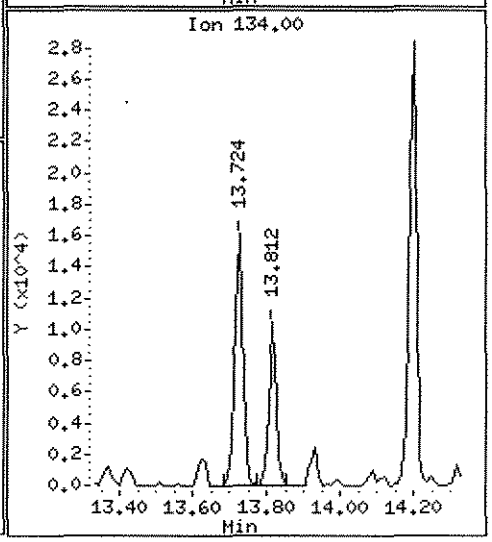












Data File: \\ELABNSH05\TARGET\chem\voa5.i\042311V5.b\0420705.D

Date : 23-APR-2011 15:17

Client ID: OLF54 MW31S

Instrument: voa5.i

Sample Info: 1104207-05;;;;;

Purge Volume: 5.0

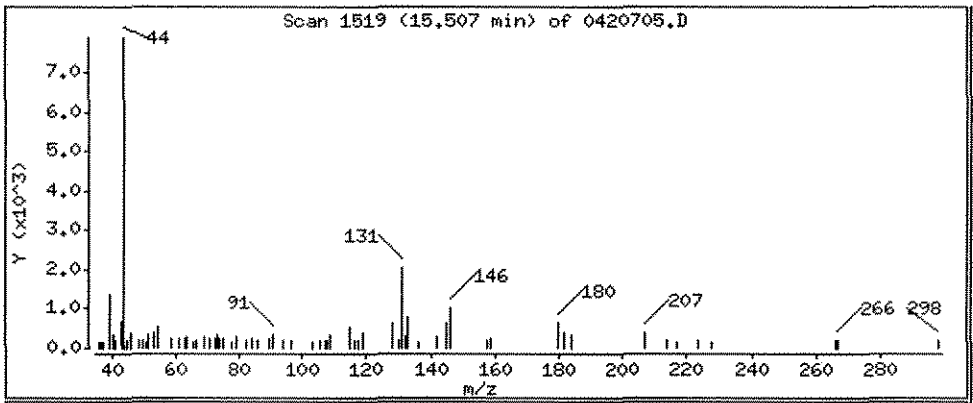
Operator: ADM

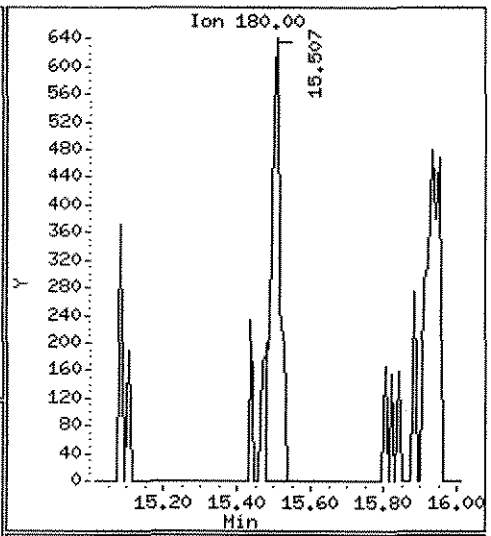
Column phase: RTX-VRX

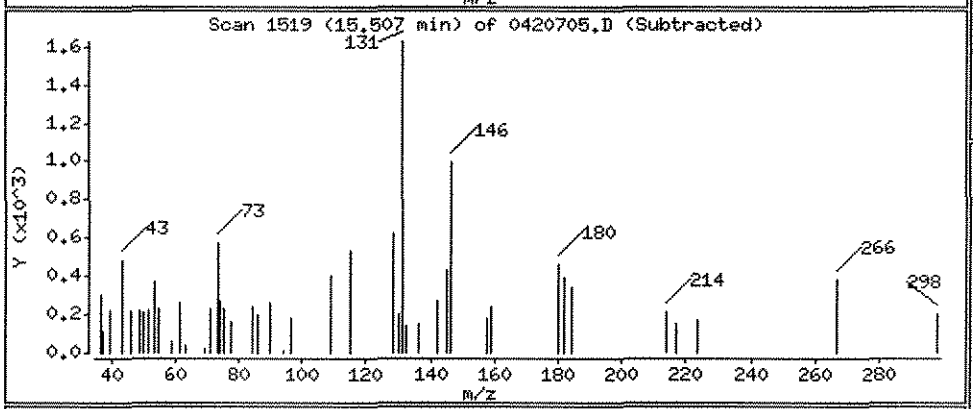
Column diameter: 0.25

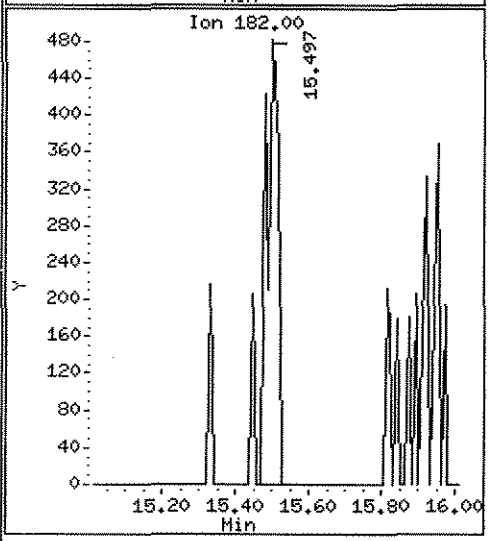
123 1,2,4-Trichlorobenzene

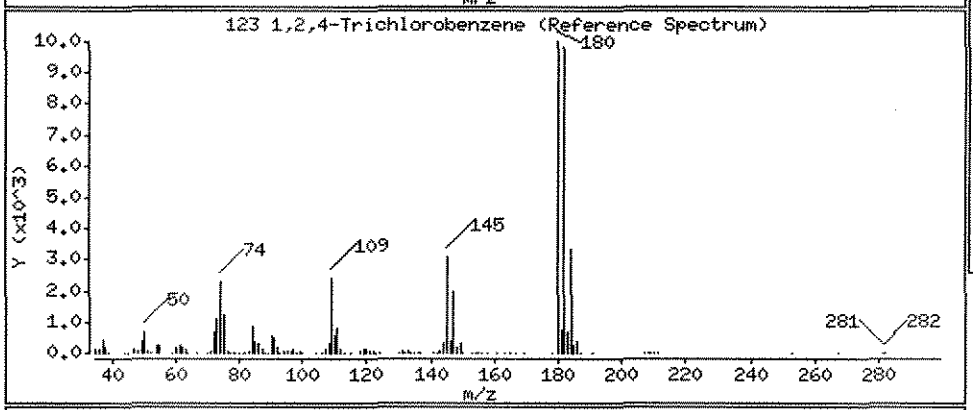
Concentration: 0.1409 ug/L

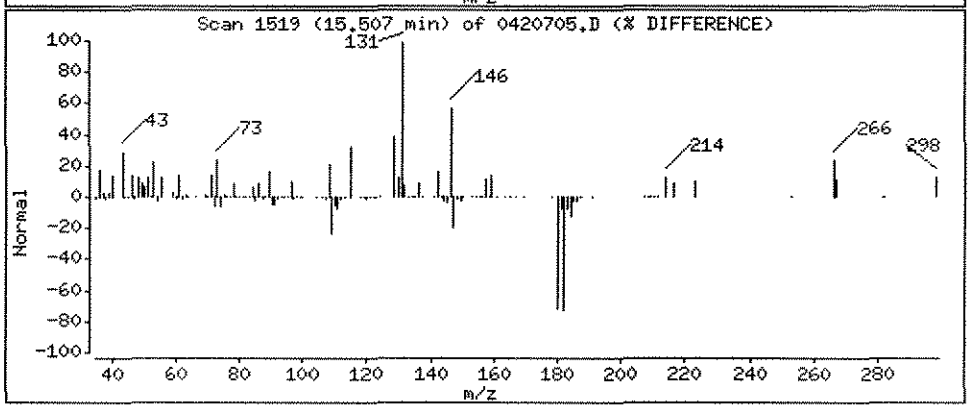












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Date : 23-APR-2011 15:17

Client ID: OLF54 MW31S

Instrument: voa5.i

Sample Info: 1104207-05;;;;;

Purge Volume: 5.0

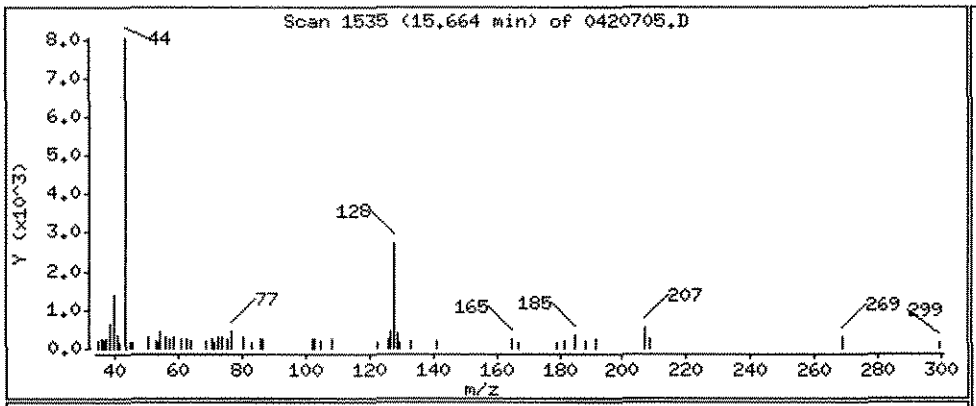
Operator: ADM

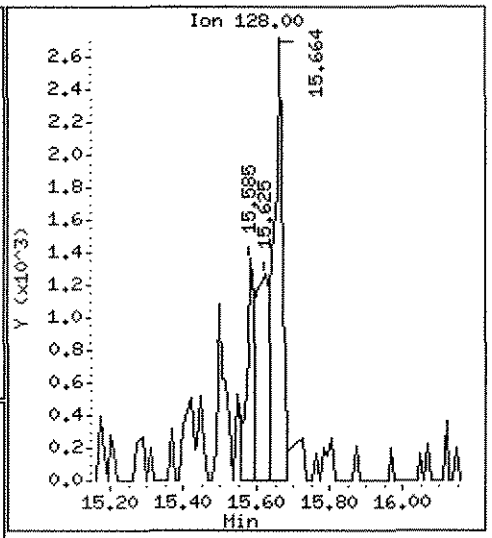
Column phase: RTX-VRX

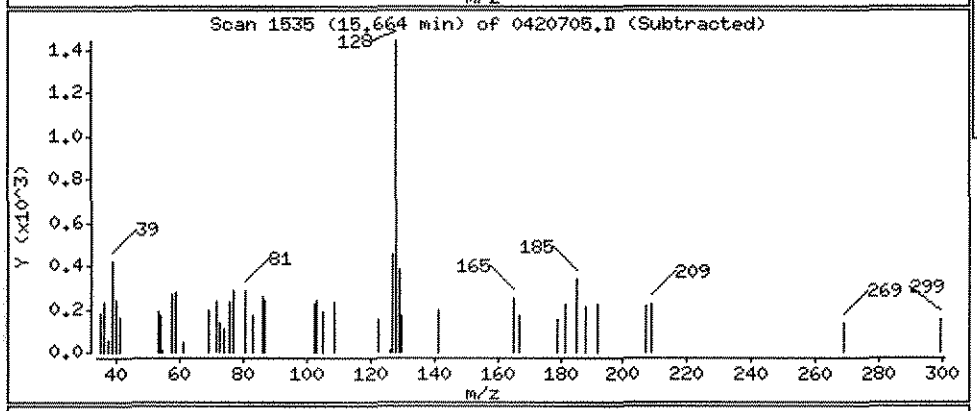
Column diameter: 0.25

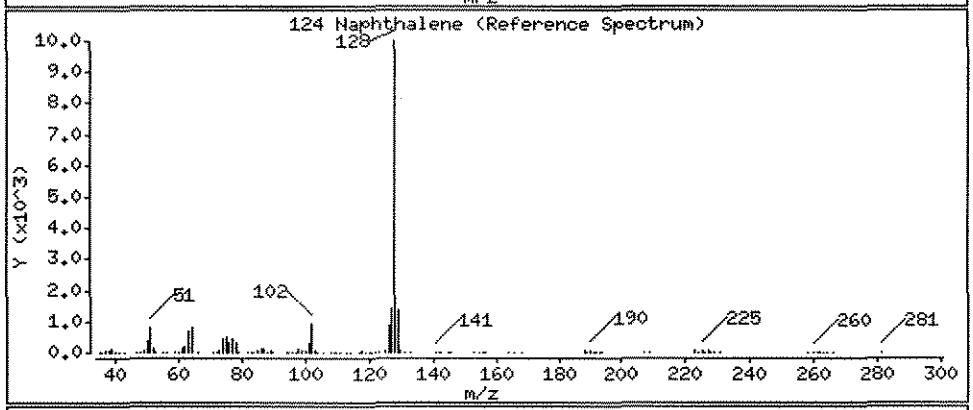
124 Naphthalene

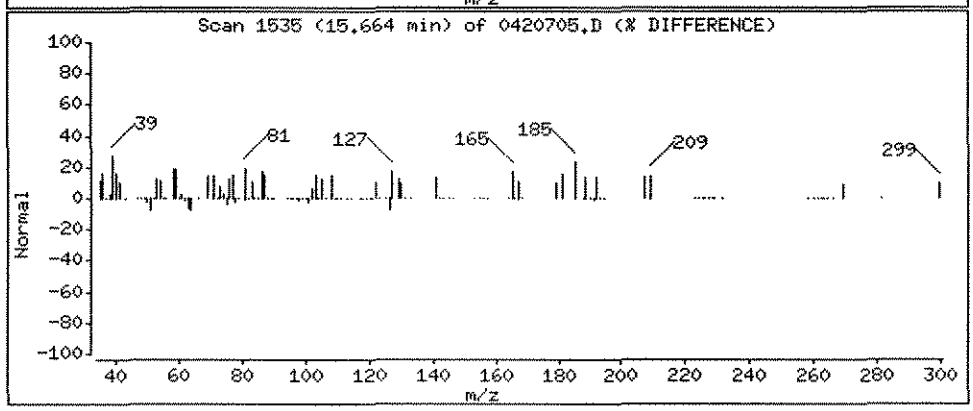
Concentration: 0.2688 ug/L











Data File: \\ELABNSH05\TARGET\chem\voa5.i\042311V5.b\0420705.D

Date : 23-APR-2011 15:17

Client ID: OLF54 MW31S

Instrument: voa5.i

Sample Info: 1104207-05;;;;;

Purge Volume: 5.0

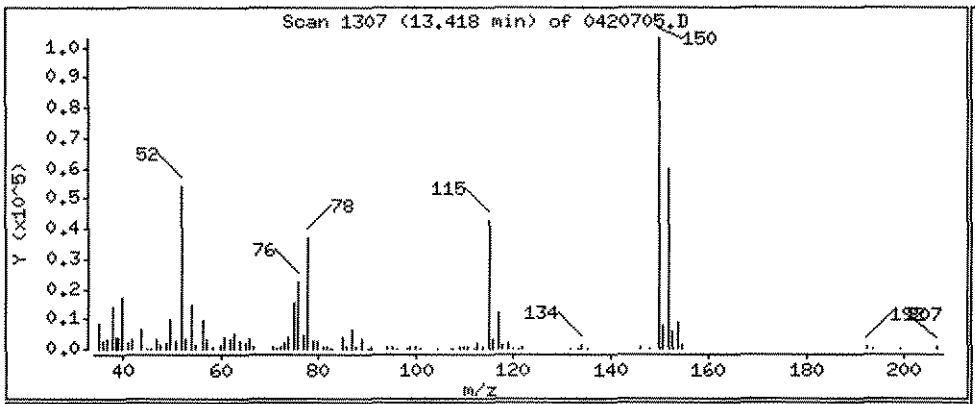
Operator: ADM

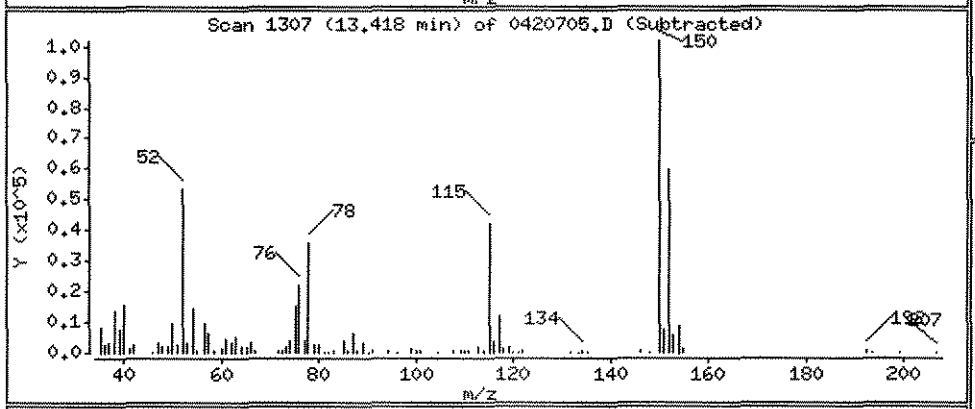
Column phase: RTX-VRX

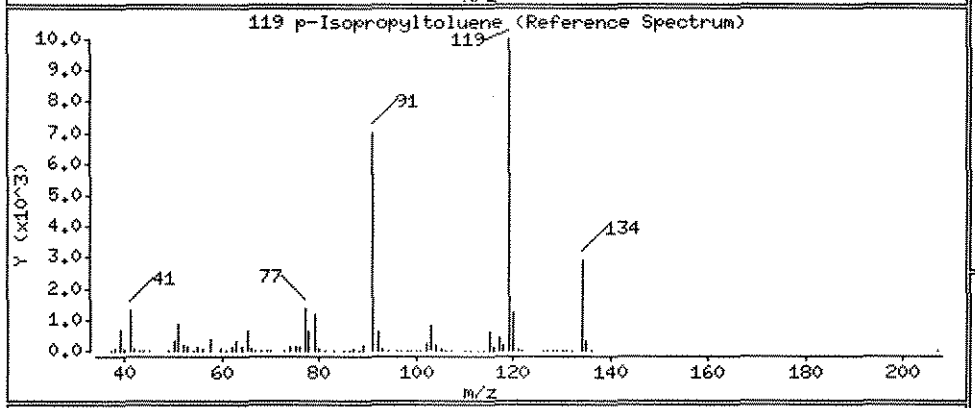
Column diameter: 0.25

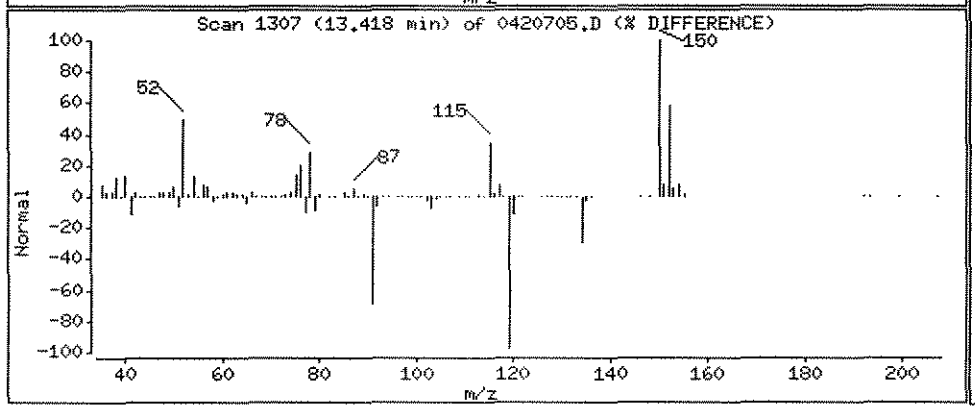
119 p-Isopropyltoluene

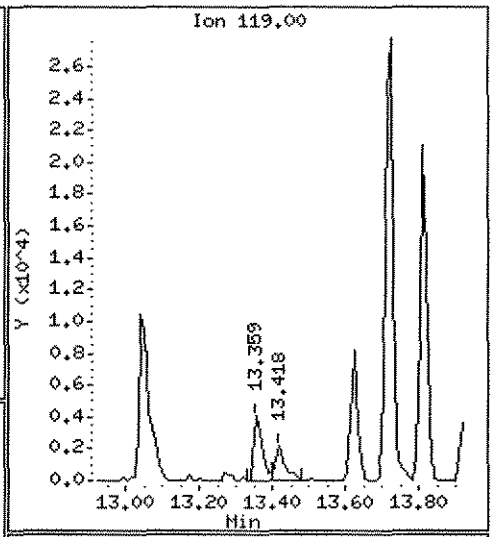
Concentration: 0.1920 ug/L

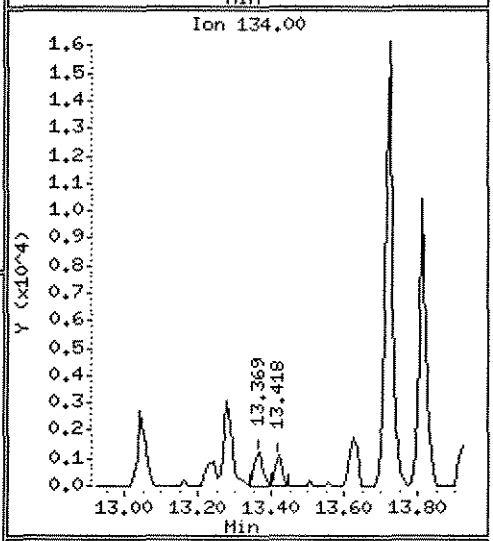


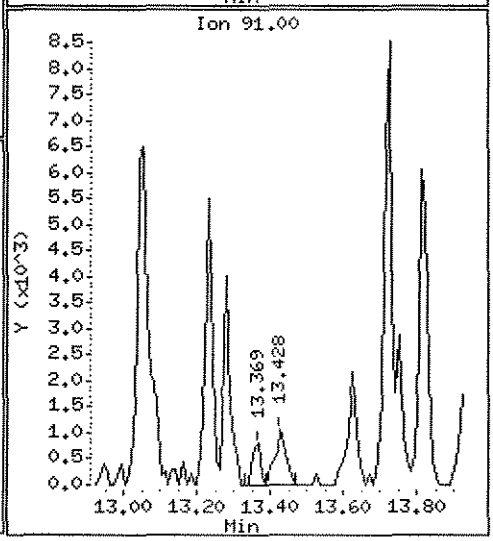












Data File: \\ELABNSH05\TARGET\chem\voa5.i\042311V5.b\0420707.D
Report Date: 24-Apr-2011 05:41

Laboratory Name

Data file : \\ELABNSH05\TARGET\chem\voa5.i\042311V5.b\0420707.D
Lab Smp Id: 1104207-07 Client Smp ID: OLF54 MW02D
Inj Date : 23-APR-2011 15:43 MS Autotune Date: 28-JUL-1998 05:19
Operator : ADM Inst ID: voa5.i
Smp Info : 1104207-07;;;;;
Misc Info : ;0;;;;gm-all.sub;
Comment :
Method : \\ELABNSH05\TARGET\chem\voa5.i\042311V5.b\VW5SUR.m
Meth Date : 24-Apr-2011 05:25 ghallquist Quant Type: ISTD
Cal Date : 15-APR-2011 14:26 Cal File: 0415CALA.D
Als bottle: 35
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: gm-all.sub
Target Version: 4.04
Processing Host: TARGET07_VM

Concentration Formula: Amt * DF * 5*Uf/Vo

MPM 04/25/11

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	unit correction factor
Vo	5.000	Volume of sample purged (mL)

KDW 4-28-11

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
* 62 Fluorobenzene	96	7.896	7.906	(1.000)	1318782	30.0000	
2 Chloromethane	50	2.232	2.232	(0.283)	8881	0.42570	0.4257(aQ)
25 Methylene chloride	84	4.685	4.704	(0.593)	7882	0.70015	0.7002(a)
$ 51 Dibromofluoromethane	111	6.871	6.871	(0.870)	370463	28.7412	28.74
$ 54 1,2-Dichloroethane-d4	102	7.374	7.374	(0.934)	79766	30.5113	30.51(Q)
61 Benzene	78	7.630	7.640	(0.966)	19345	0.53892	0.5389(a)
$ 81 Toluene-d8	98	9.600	9.600	(0.870)	1128044	31.0352	31.04
83 Toluene	92	9.669	9.679	(0.877)	2606	0.13175	0.1318(aQ)
* 92 Chlorobenzene-d5	82	11.028	11.038	(1.000)	530352	30.0000	
$ 104 Bromofluorobenzene	95	12.220	12.230	(1.108)	440813	29.5758	29.58
* 117 1,4-Dichlorobenzene-d4	152	13.432	13.432	(1.000)	427093	30.0000	(Q)
124 Naphthalene	128	15.658	15.658	(1.166)	2923	0.15472	0.1547(a)
126 1,2,3-Trichlorobenzene	180	15.953	15.943	(1.188)	780	0.10739	0.1074(a)

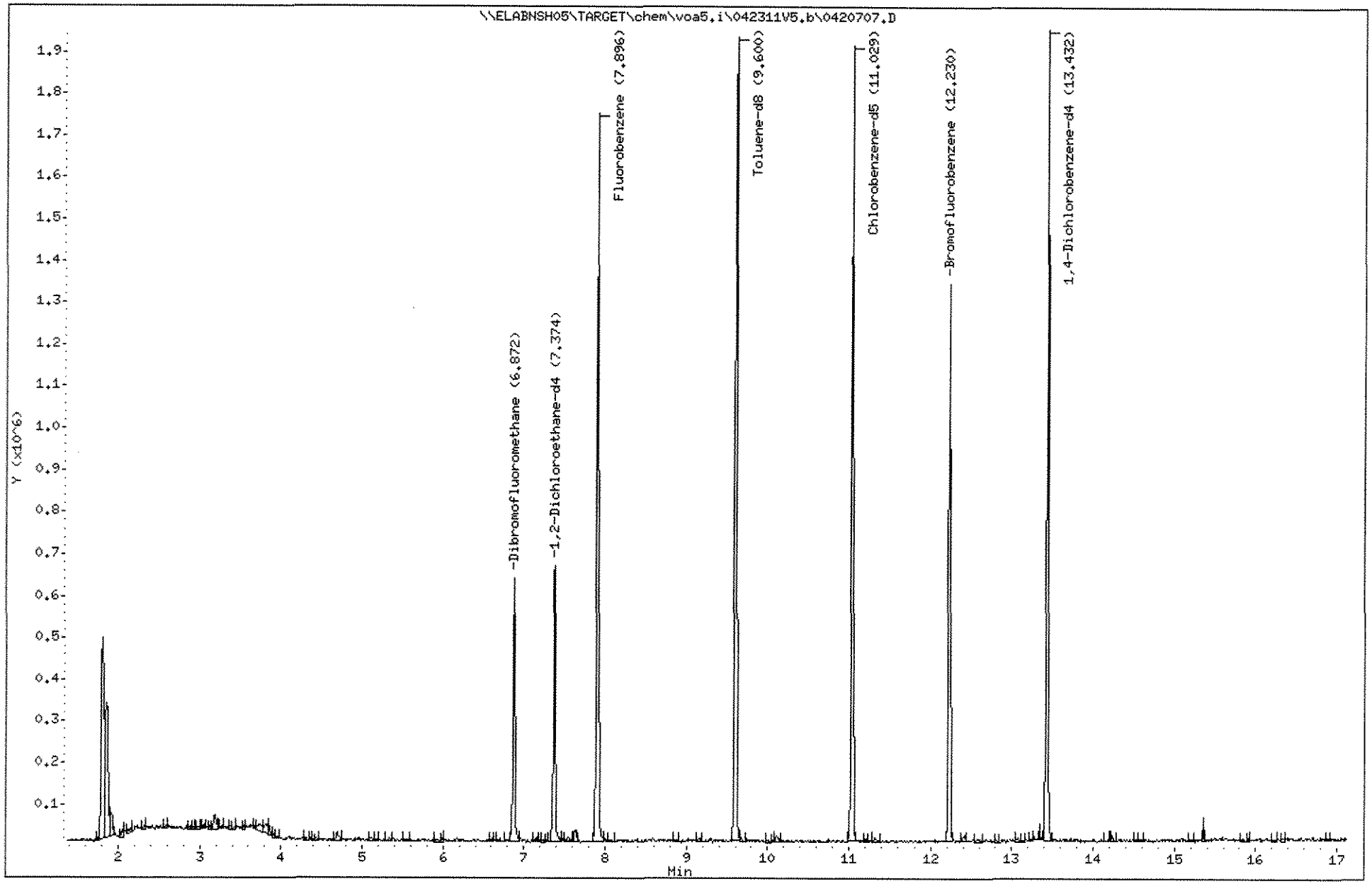
Data File: \\ELABNSH05\TARGET\chem\voa5.i\042311V5.b\0420707.D
Report Date: 24-Apr-2011 05:41

QC Flag Legend

a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.

Data File: \\ELABNSH05\TARGET\chem\voa5.i\042311V5.b\0420707.D
Date : 23-APR-2011 15:43
Client ID: OLF54 MW02D
Sample Info: 1104207-07;;;;;
Purge Volume: 5.0
Column phase: RTX-VRX

Instrument: voa5.i
Operator: ADM
Column diameter: 0.25



CTOJM29_002

Data File: \\ELABNSH05\TARGET\chem\voa5.i\042311V5.b\0420707.D

Date : 23-APR-2011 15:43

Client ID: OLF54 HW02D

Instrument: voa5.i

Sample Info: 1104207-07;;;;;

Purge Volume: 5.0

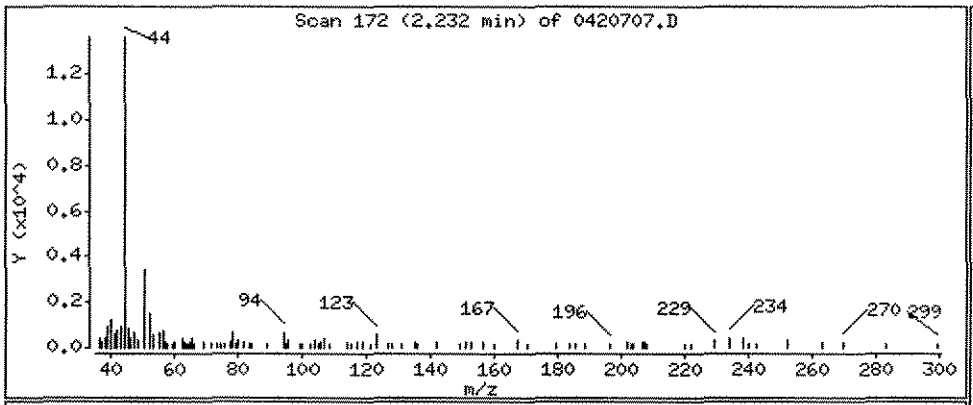
Operator: ADM

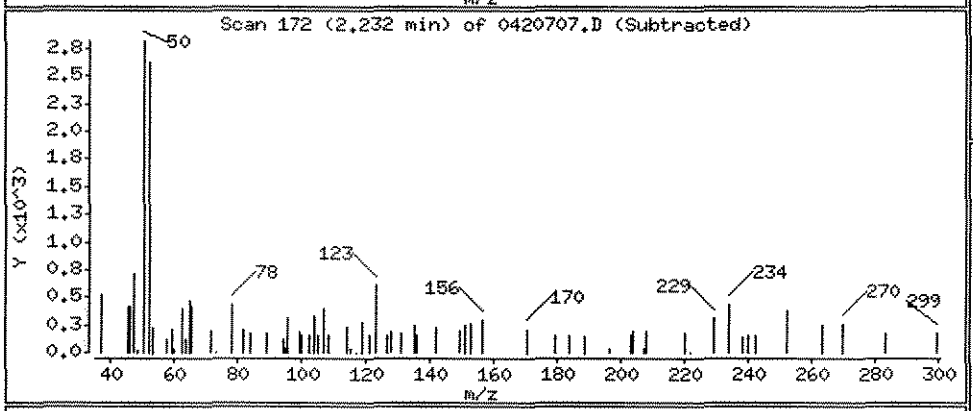
Column phase: RTX-VRX

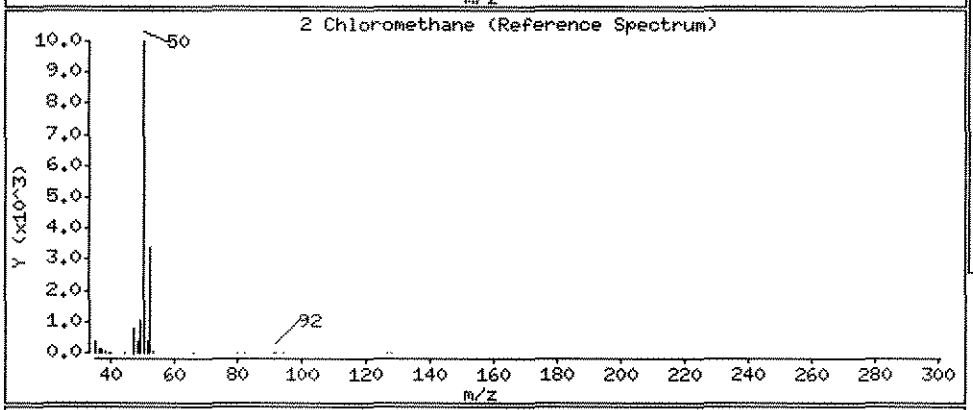
Column diameter: 0.25

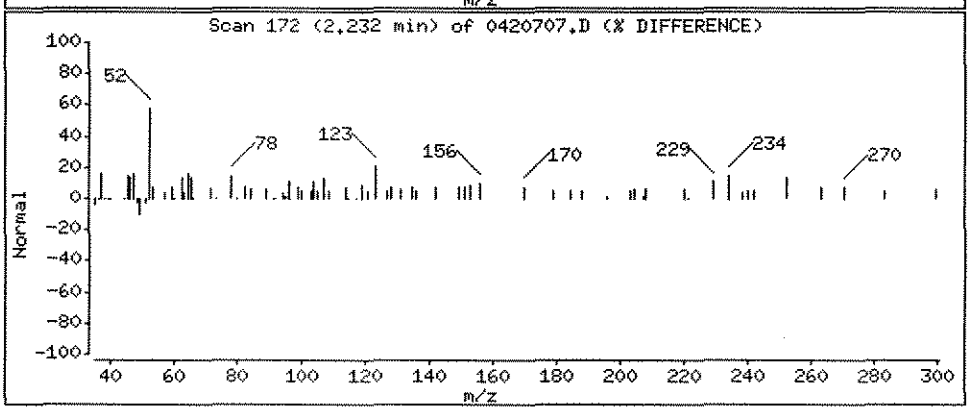
2 Chloromethane

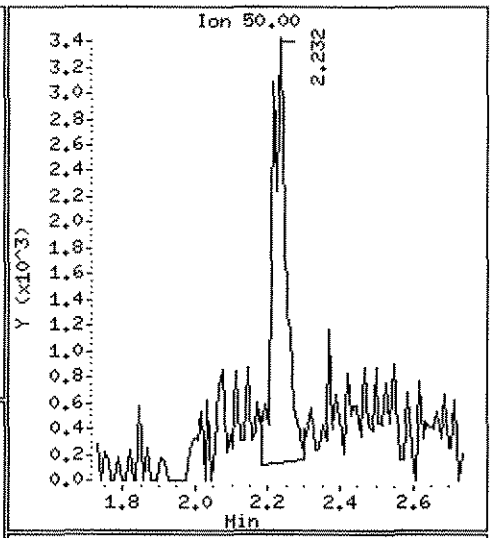
Concentration: 0.4257 ug/L

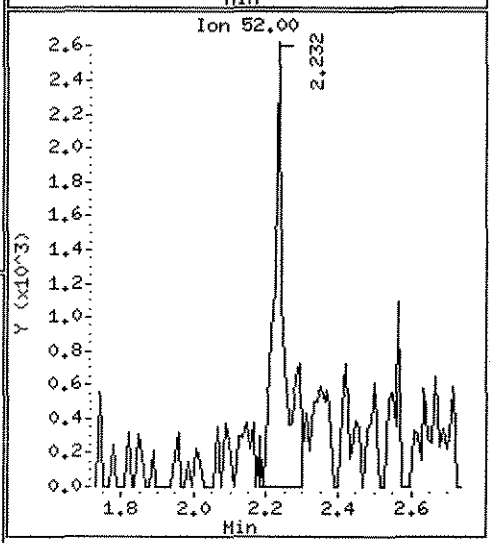












Data File: \\ELABNSH05\TARGET\chem\voa5.i\042311V5.b\0420707.D

Date : 23-APR-2011 15:43

Client ID: OLF54 MW02D

Instrument: voa5.i

Sample Info: 1104207-07;;;;;

Purge Volume: 5.0

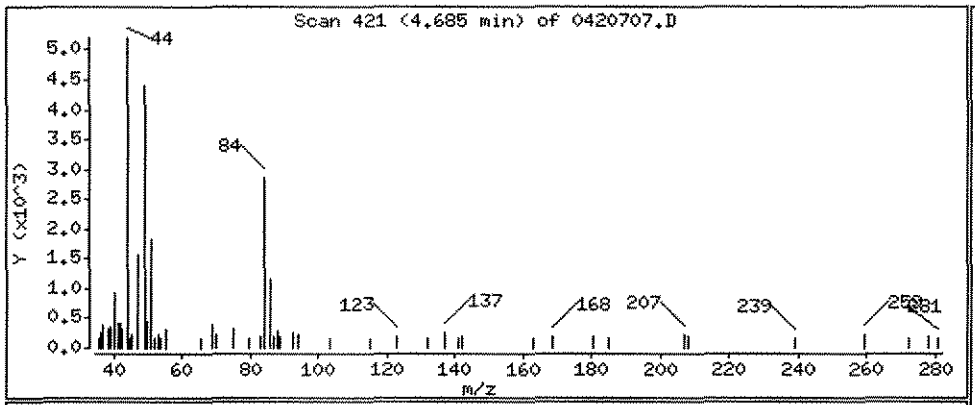
Operator: ADM

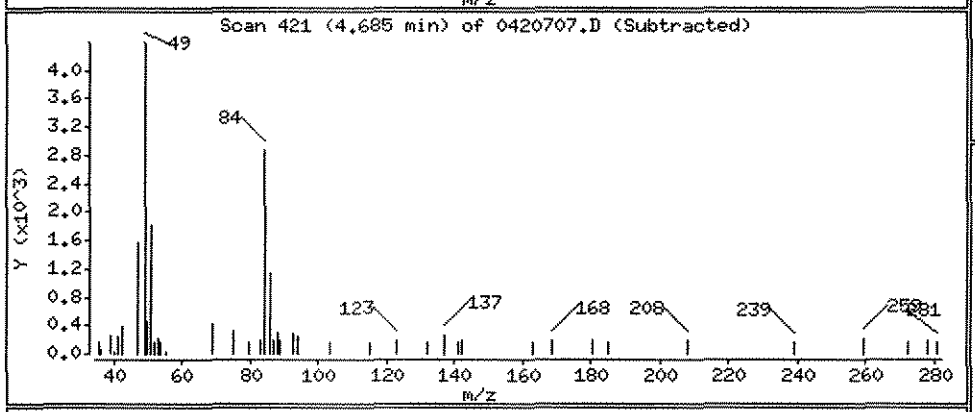
Column phase: RTX-VRX

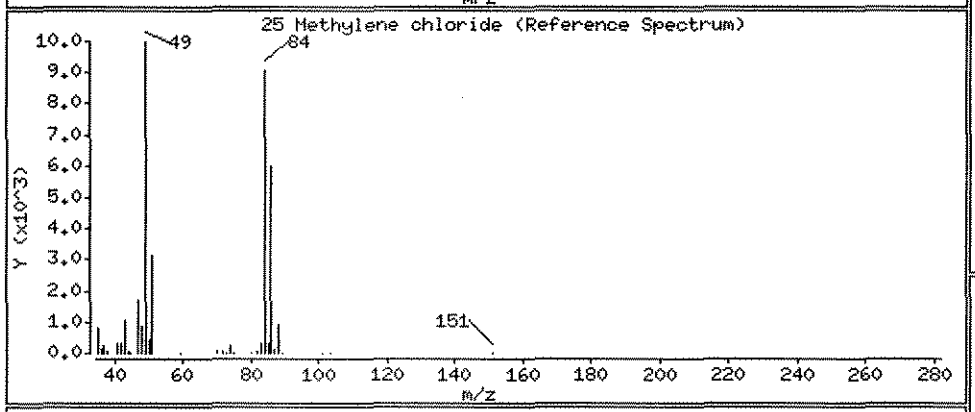
Column diameter: 0.25

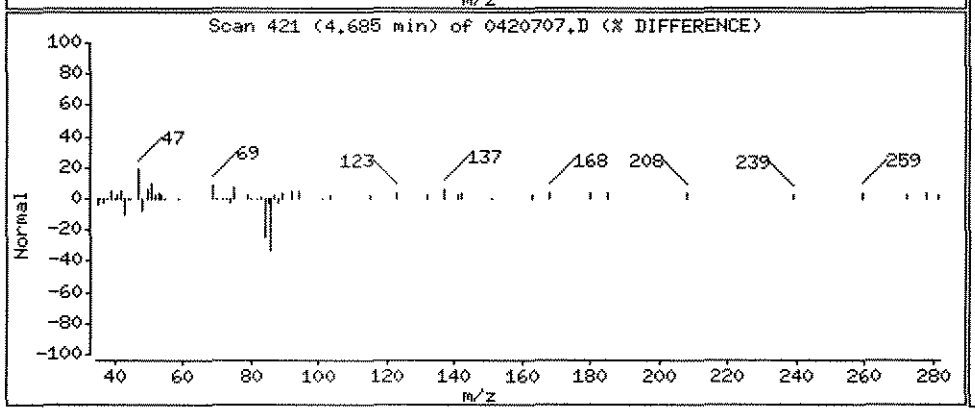
25 Methylene chloride

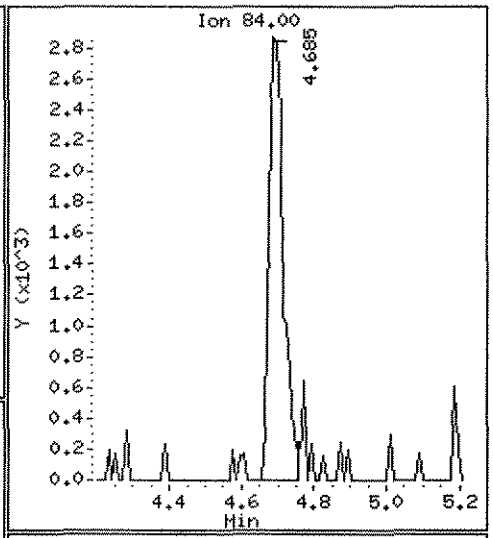
Concentration: 0.7002 ug/L

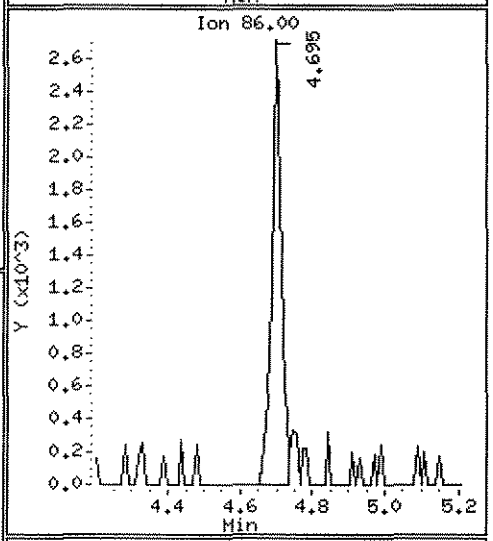


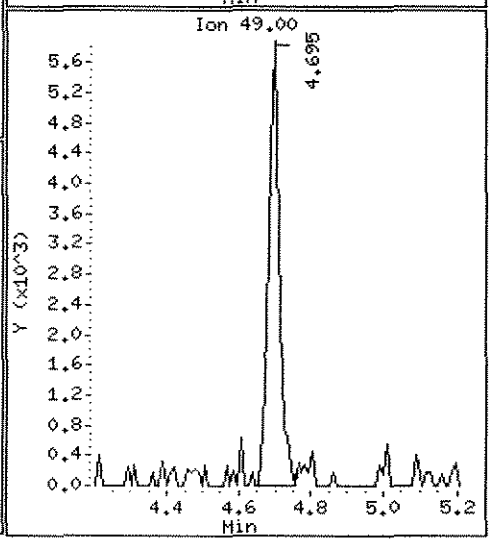












Data File: \\ELABNSH05\TARGET\chem\voa5.i\042311V5.b\0420707.D

Date : 23-APR-2011 15:43

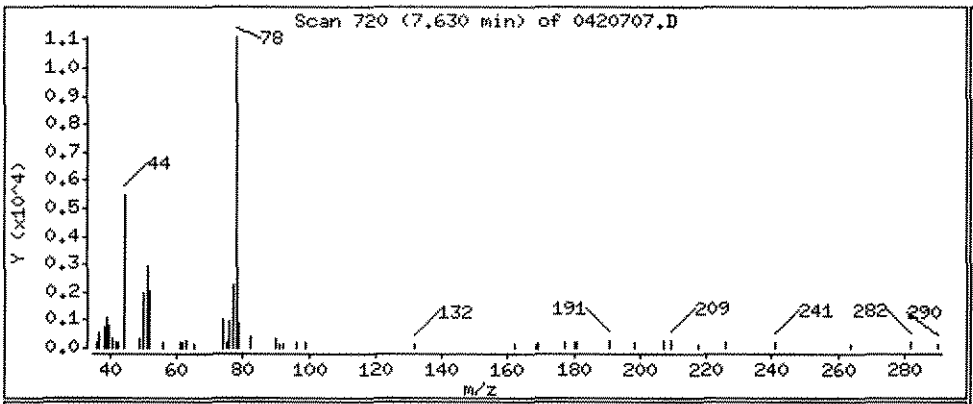
Client ID: OLF54 MW02D Instrument: voa5.i

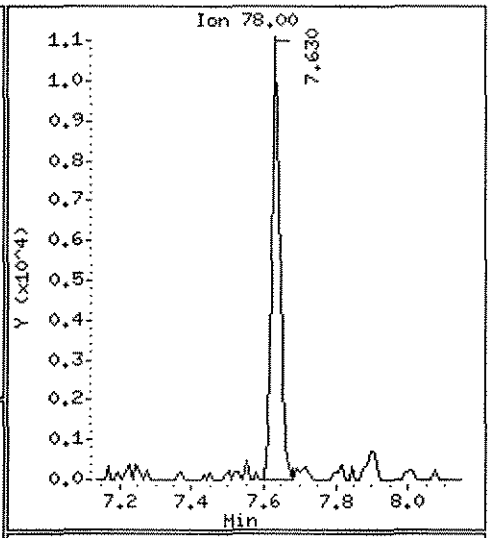
Sample Info: 1104207-07:::::

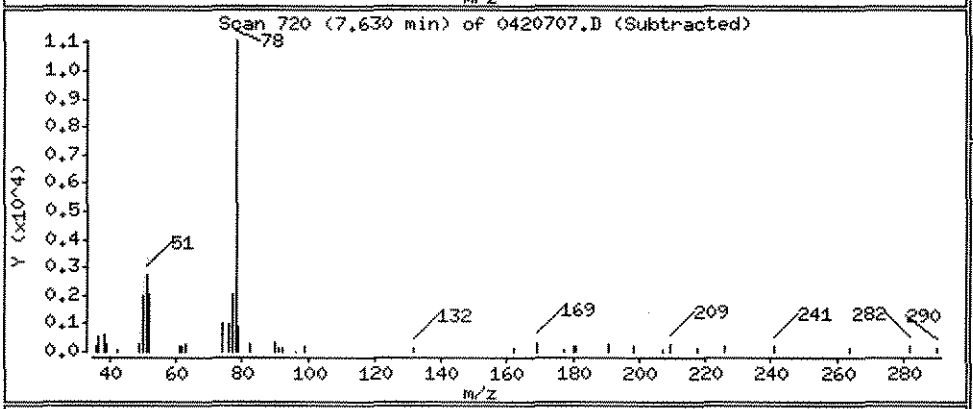
Purge Volume: 5.0 Operator: ADM

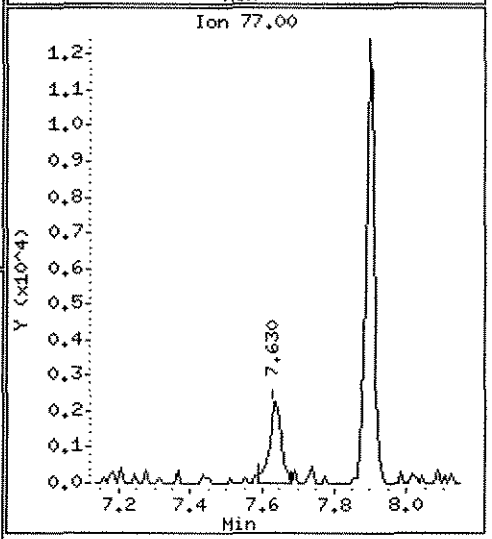
Column phase: RTX-VRX Column diameter: 0.25

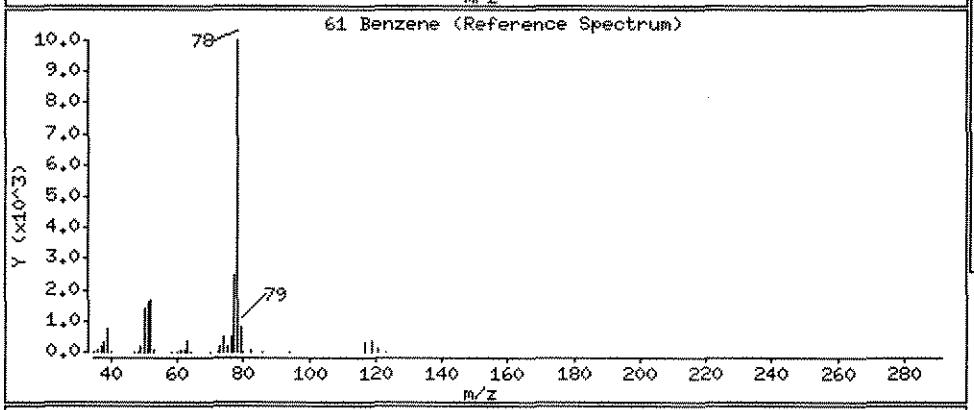
61 Benzene Concentration: 0.5389 ug/L

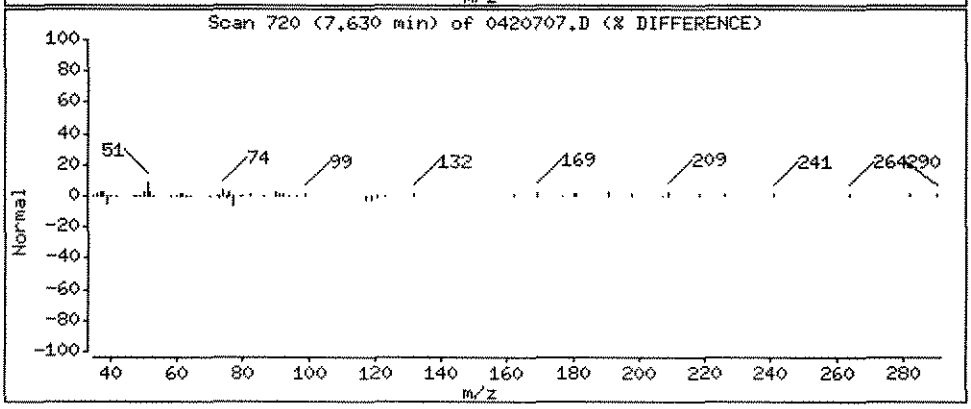












Data File: \\ELABNSH05\TARGET\chem\voa5.i\042311V5.b\0420707.D

Date : 23-APR-2011 15:43

Client ID: OLF54 MW02D

Instrument: voa5.i

Sample Info: 1104207-07;;;;;

Purge Volume: 5.0

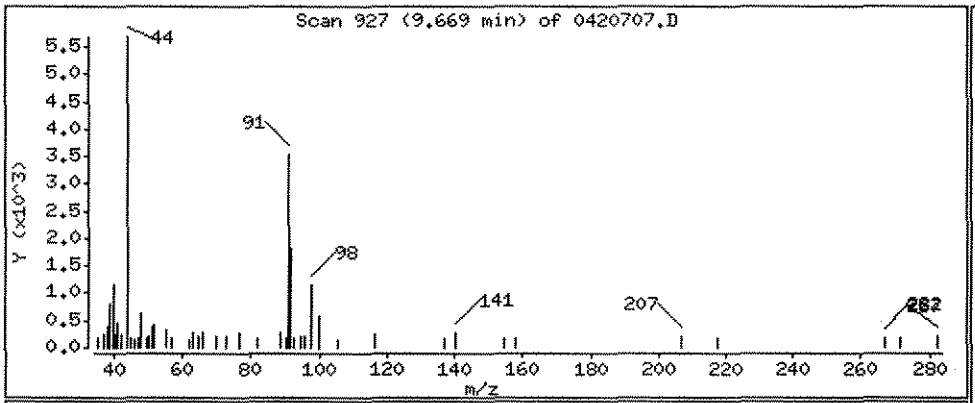
Operator: ADM

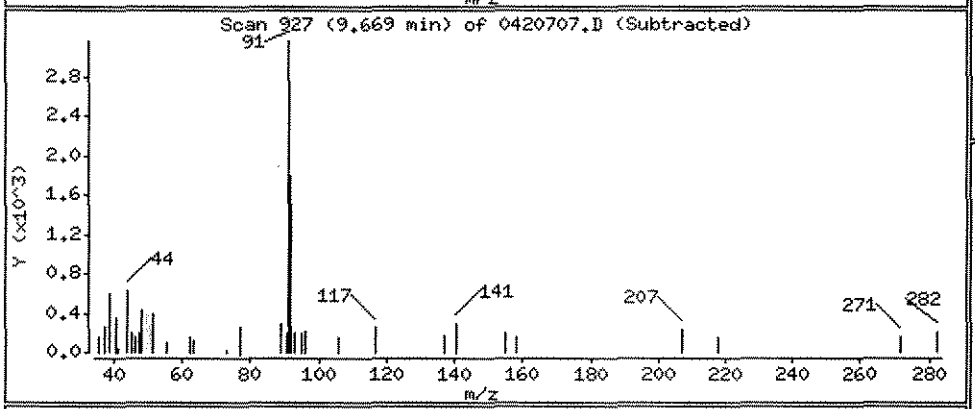
Column phase: RTX-VRX

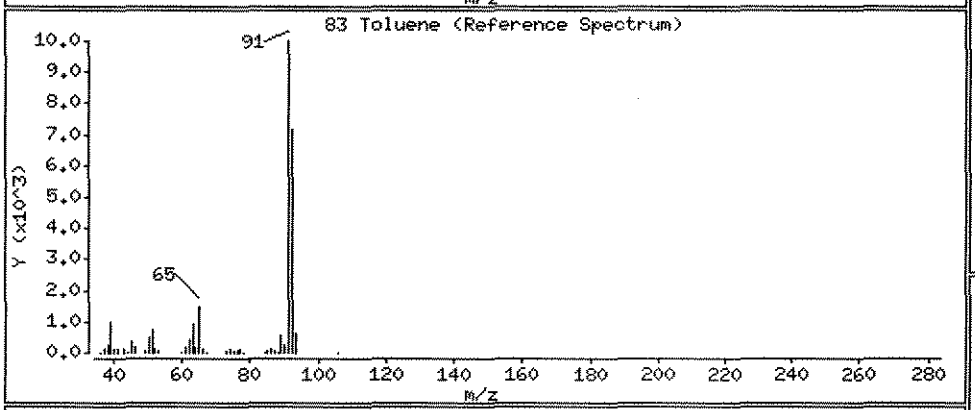
Column diameter: 0.25

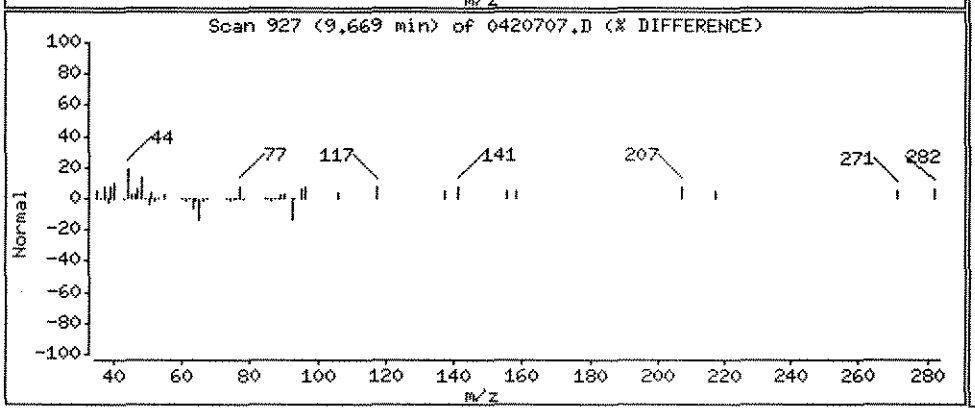
83 Toluene

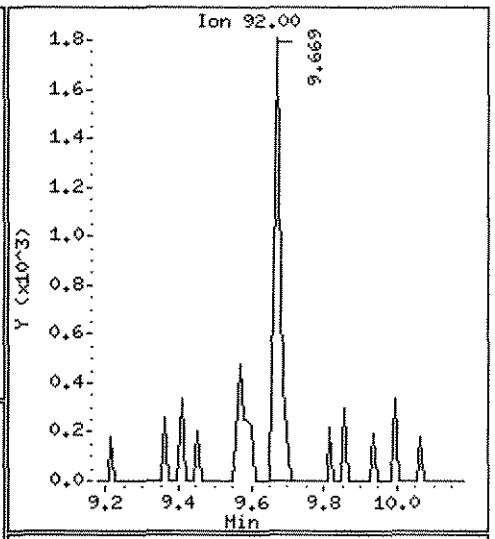
Concentration: 0.1318 ug/L

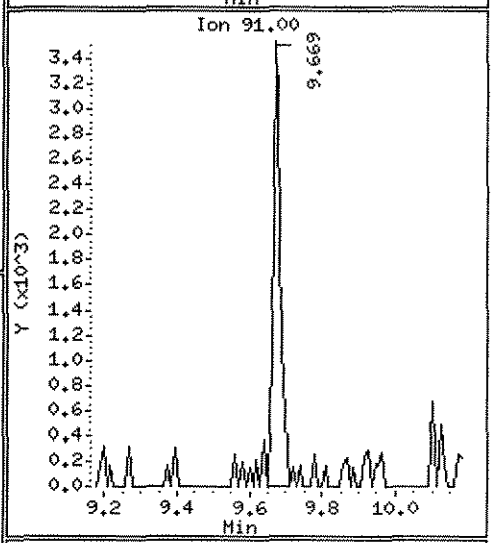


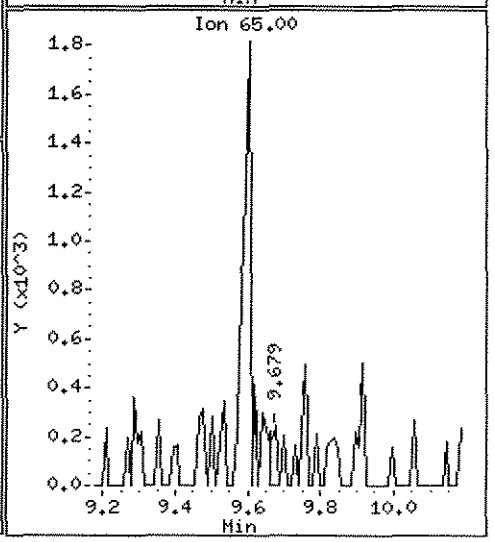












Data File: \\ELABNSH05\TARGET\chem\voa5.i\042311V5.b\0420707.D

Date : 23-APR-2011 15:43

Client ID: OLF54 MW02D

Instrument: voa5.i

Sample Info: 1104207-07;;;;;

Purge Volume: 5.0

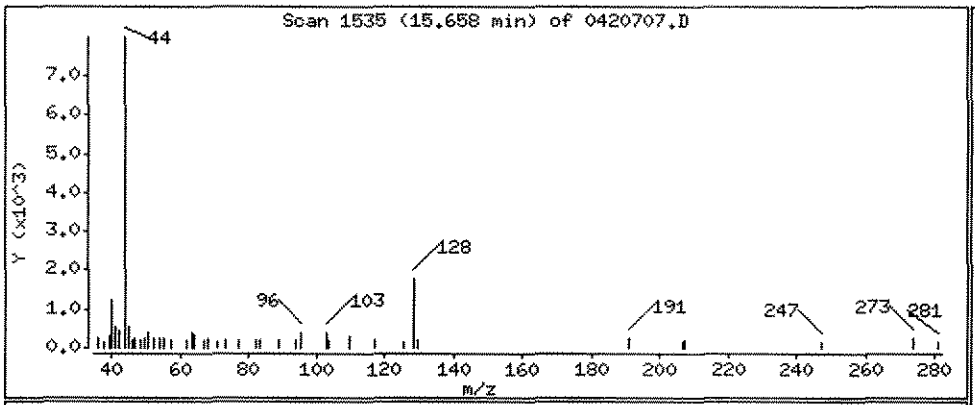
Operator: ADM

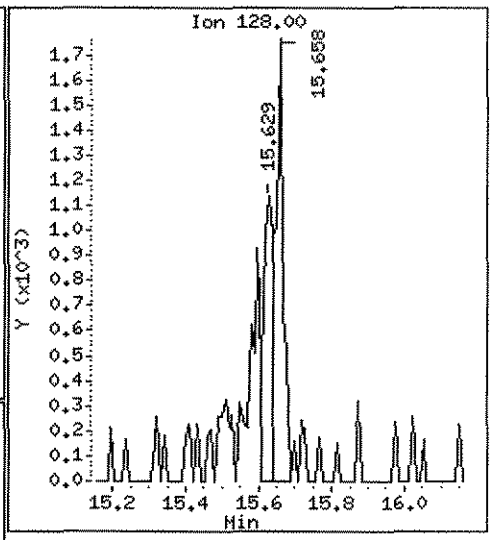
Column phase: RTX-VRX

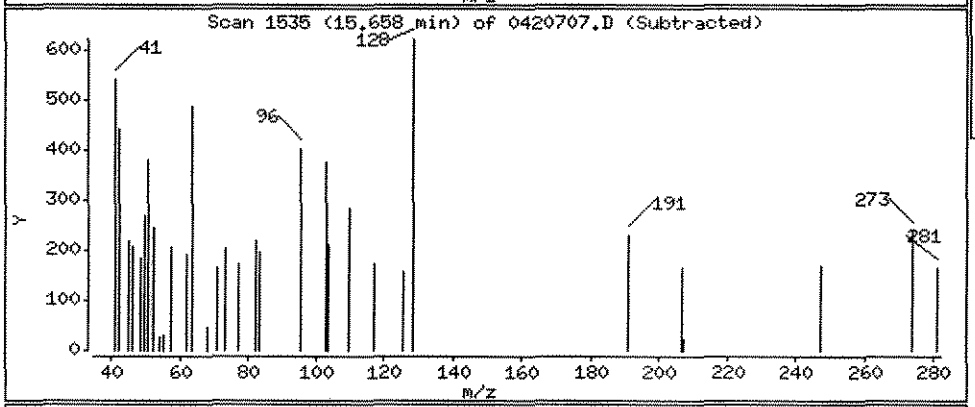
Column diameter: 0.25

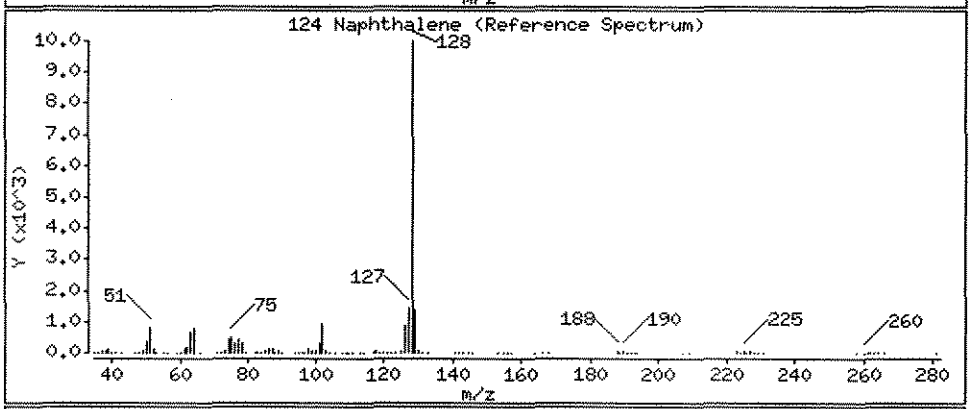
124 Naphthalene

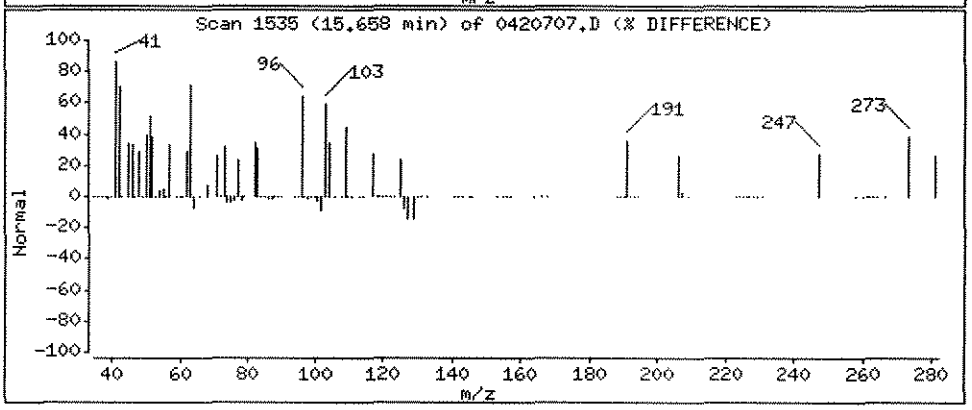
Concentration: 0.1547 ug/L











Data File: \\ELABNSH05\TARGET\chem\voa5.i\042311V5.b\0420707.D

Date : 23-APR-2011 15:43

Client ID: OLF54 MW02D

Instrument: voa5.i

Sample Info: 1104207-07;;;;;

Purge Volume: 5.0

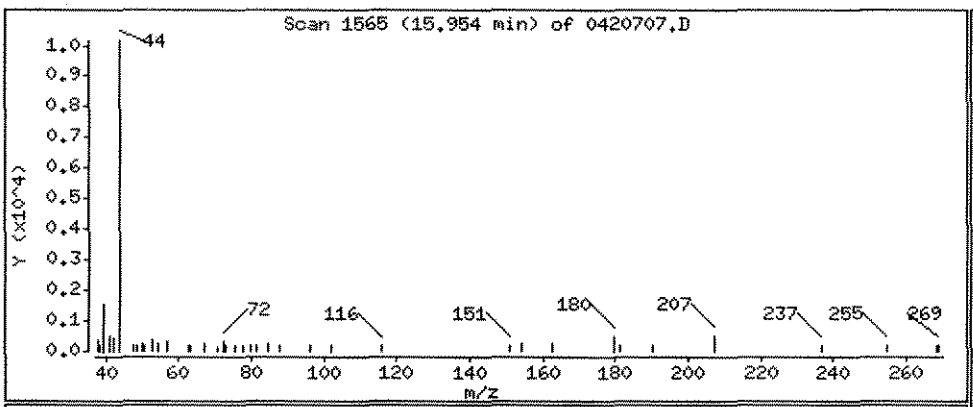
Operator: ADM

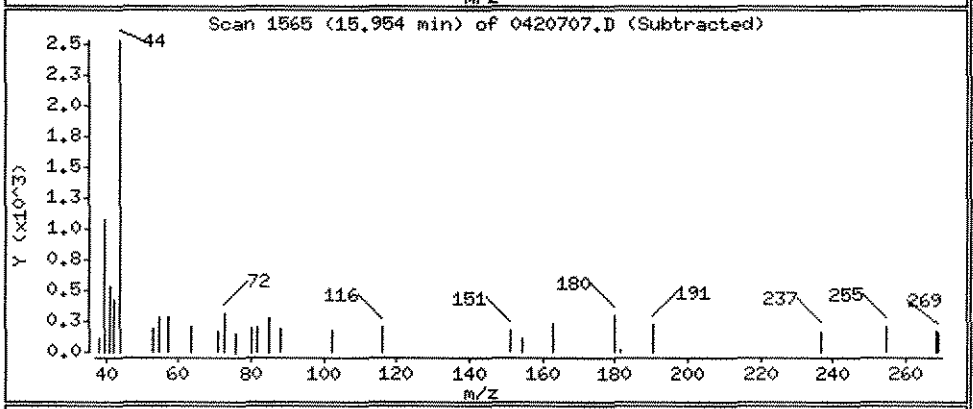
Column phase: RTX-VRX

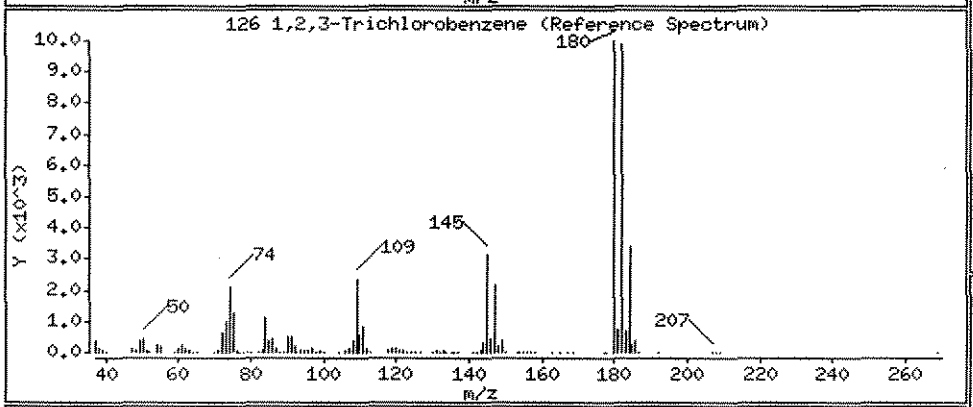
Column diameter: 0.25

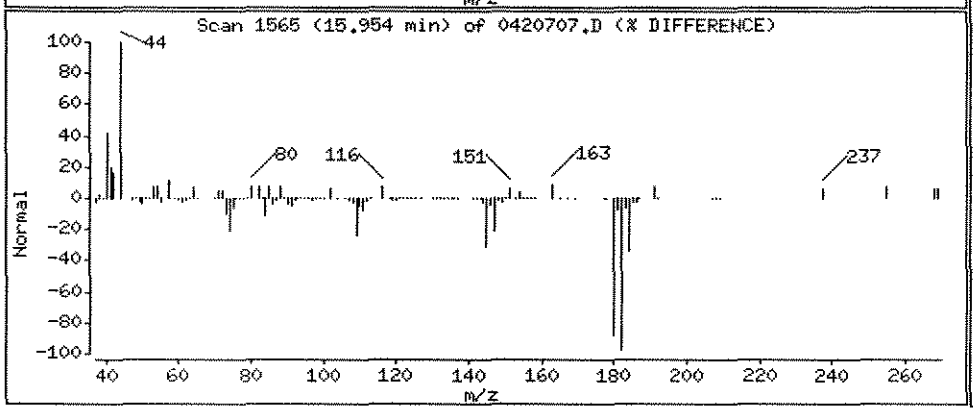
126 1,2,3-Trichlorobenzene

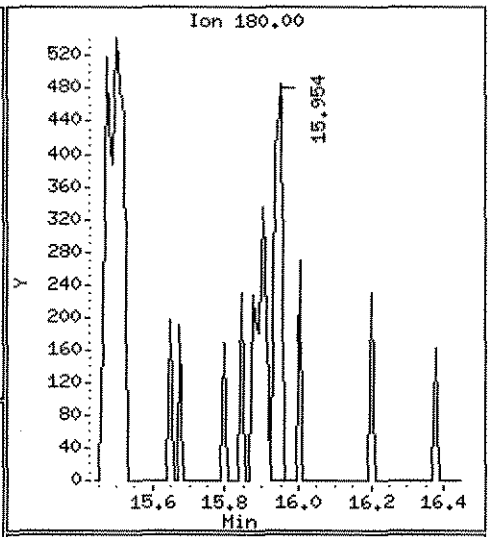
Concentration: 0.1074 ug/L

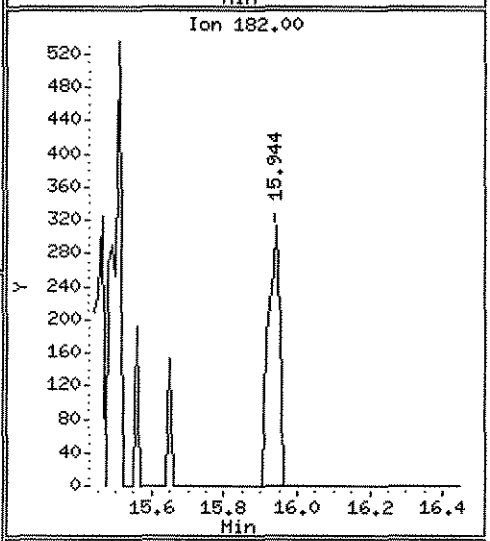


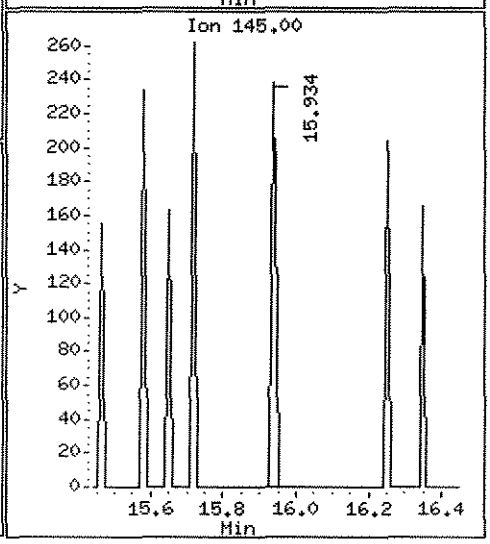












Data File: \\ELABNSH05\TARGET\chem\voa5.i\042311V5.b\0420708.D
Report Date: 24-Apr-2011 05:42

Laboratory Name

Data file : \\ELABNSH05\TARGET\chem\voa5.i\042311V5.b\0420708.D
Lab Smp Id: 1104207-08 Client Smp ID: OLF54 MW03S
Inj Date : 23-APR-2011 16:09 MS Autotune Date: 28-JUL-1998 05:19
Operator : ADM Inst ID: voa5.i
Smp Info : 1104207-08;;;;;
Misc Info : ;0;;;;gm-all.sub;
Comment :
Method : \\ELABNSH05\TARGET\chem\voa5.i\042311V5.b\VW5SUR.m
Meth Date : 24-Apr-2011 05:25 ghallquist Quant Type: ISTD
Cal Date : 15-APR-2011 14:26 Cal File: 0415CALA.D
Als bottle: 36
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: gm-all.sub
Target Version: 4.04
Processing Host: TARGET07_VM

Concentration Formula: Amt * DF * 5*Uf/Vo

MM 04/25/11

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	unit correction factor
Vo	5.000	Volume of sample purged (mL)

KSW 4-28-11

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
* 62 Fluorobenzene	96	7.902	7.906	(1.000)	1228244	30.0000	
2 Chloromethane	50	2.228	2.232	(0.282)	11774	0.60597	0.6060(a)
14 Acetone	43	3.745	3.749	(0.474)	14275	3.65347	3.653(a)
25 Methylene chloride	84	4.691	4.704	(0.594)	6043	0.57636	0.5764(a)
49 Chloroform	83	6.700	6.704	(0.848)	11788	0.67041	0.6704(a)
$ 51 Dibromofluoromethane	111	6.868	6.871	(0.869)	359027	29.9072	29.91
59 Cyclohexane	56	7.547	7.541	(0.955)	4636	0.27361	0.2736(aQ)
$ 54 1,2-Dichloroethane-d4	102	7.370	7.374	(0.933)	75026	30.8137	30.81(Q)
61 Benzene	78	7.636	7.640	(0.966)	43434	1.29919	1.299
$ 81 Toluene-d8	98	9.596	9.600	(0.870)	1095731	31.0715	31.07
83 Toluene	92	9.675	9.679	(0.877)	7302	0.38050	0.3805(a)
* 92 Chlorobenzene-d5	82	11.034	11.038	(1.000)	514558	30.0000	
94 Ethylbenzene	91	11.211	11.215	(1.016)	4710	0.13500	0.1350(a)
95 m,p-Xylene	91	11.320	11.334	(1.026)	8084	0.30256	0.3026(a)
M 107 Xylene(total)	91				8084	0.30256	0.3026(a)
$ 104 Bromofluorobenzene	95	12.226	12.230	(1.108)	424897	29.3830	29.38

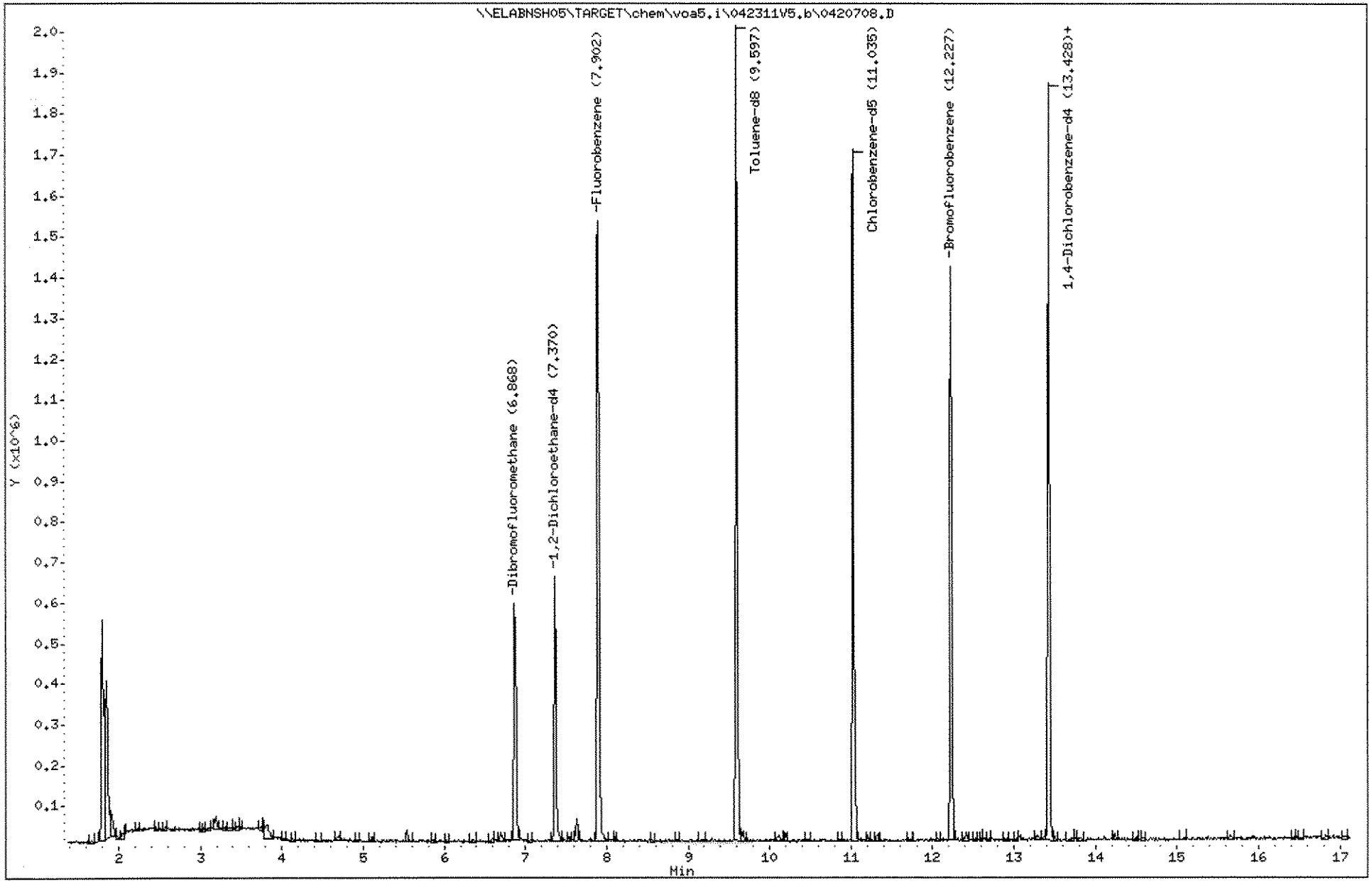
Data File: \\ELABNSH05\TARGET\chem\voa5.i\042311V5.b\0420708.D
Report Date: 24-Apr-2011 05:42

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/L)
111 1,2,4-Trimethylbenzene	105	13.073	13.077	(0.974)	3330	0.14448	0.1445(a)
* 117 1,4-Dichlorobenzene-d4	152	13.428	13.432	(1.000)	416811	30.0000	(Q)
118 1,4-Dichlorobenzene	146	13.428	13.461	(1.000)	1974	0.12620	0.1262(a)
124 Naphthalene	128	15.654	15.658	(1.166)	5520	0.29938	0.2994(a)

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.

Data File: \\ELABNSH05\TARGET\chem\voa5.i\042311V5.b\0420708.D
Date : 23-APR-2011 16:09
Client ID: OLF54 MW03S
Instrument: voa5.i
Sample Info: 1104207-08;;;;;
Purge Volume: 5.0
Operator: ADM
Column phase: RTX-VRX
Column diameter: 0.25



Data File: \\ELABNSH05\TARGET\chem\voa5.i\042311V5.b\0420708.D

Date : 23-APR-2011 16:09

Client ID: OLF54 MW03S

Instrument: voa5.i

Sample Info: 1104207-08;;;;;

Purge Volume: 5.0

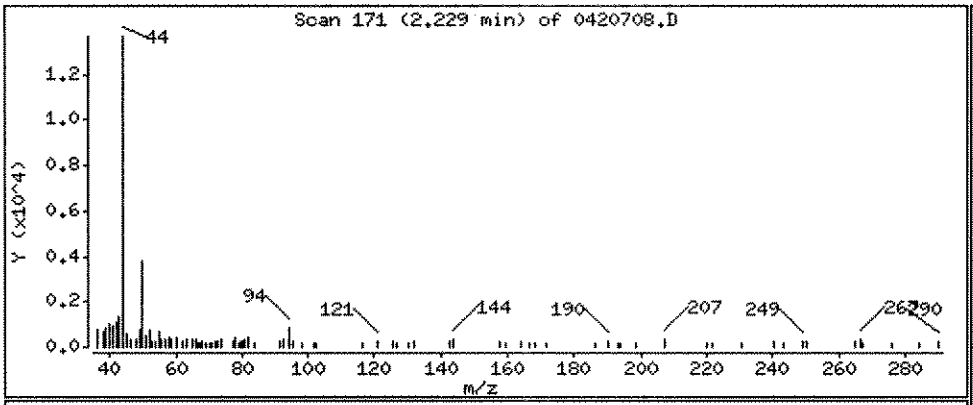
Operator: ADM

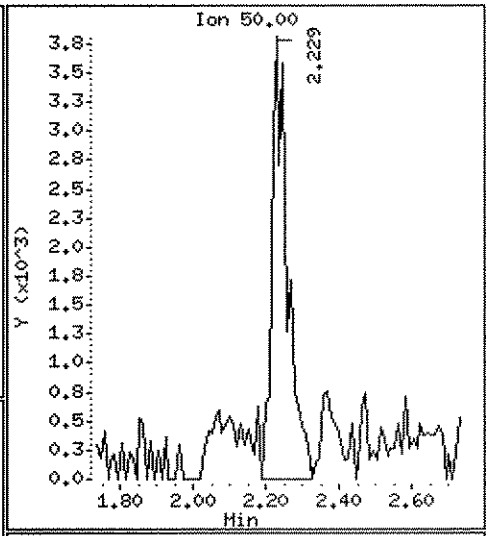
Column phase: RTX-VRX

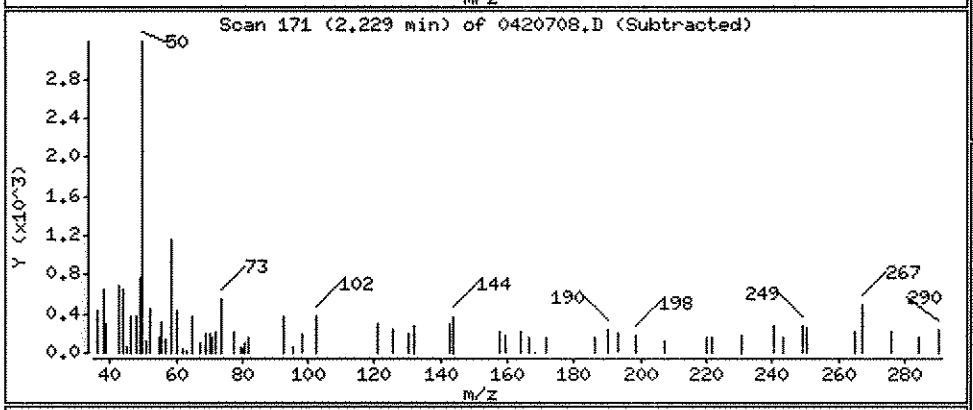
Column diameter: 0.25

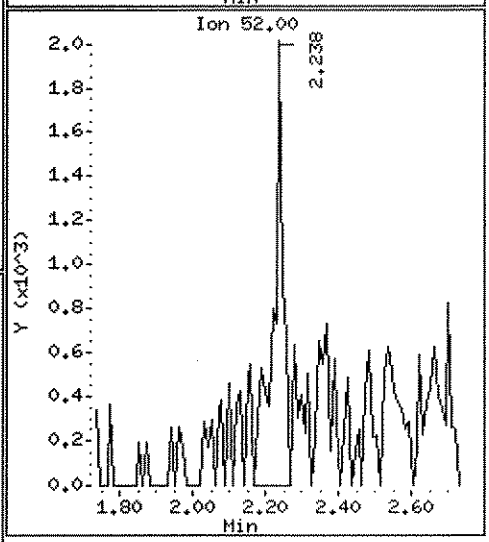
2 Chloromethane

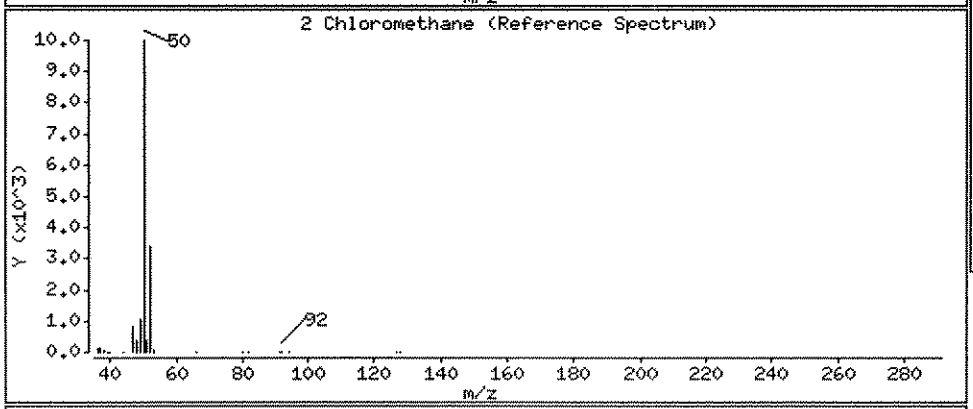
Concentration: 0.6060 ug/L

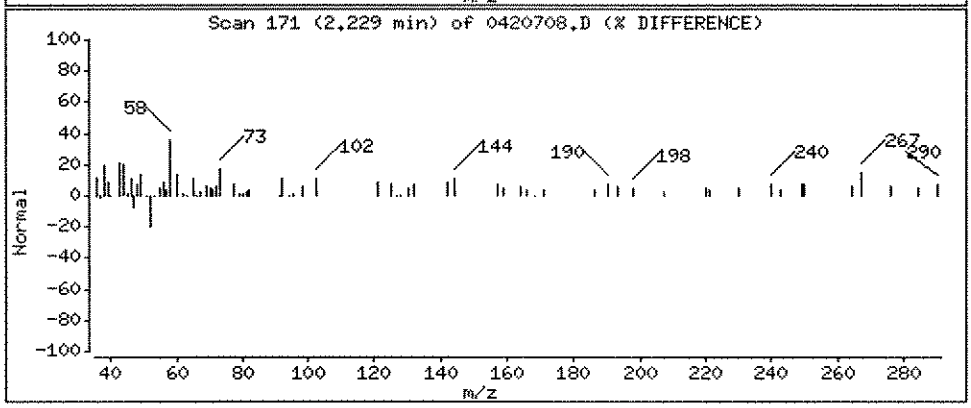












Data File: \\ELABNSH05\TARGET\chem\voa5.i\042311V5.b\0420708.D

Date : 23-APR-2011 16:09

Client ID: OLF54 MW03S

Instrument: voa5.i

Sample Info: 1104207-08;;;;;

Purge Volume: 5.0

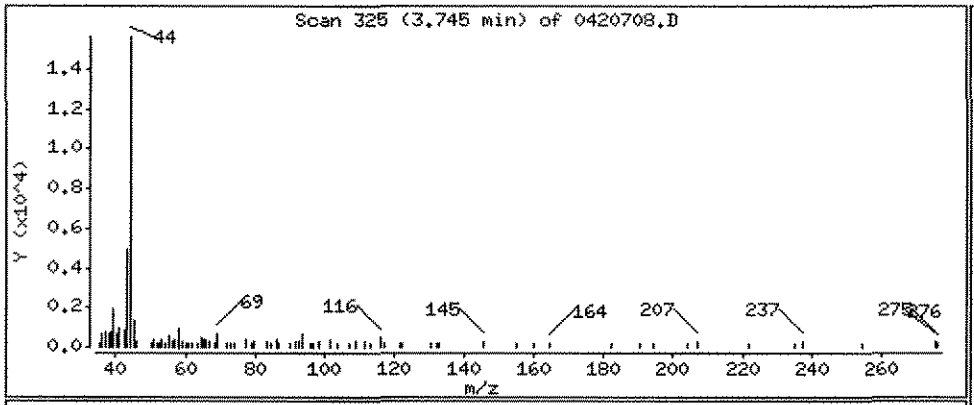
Operator: ADM

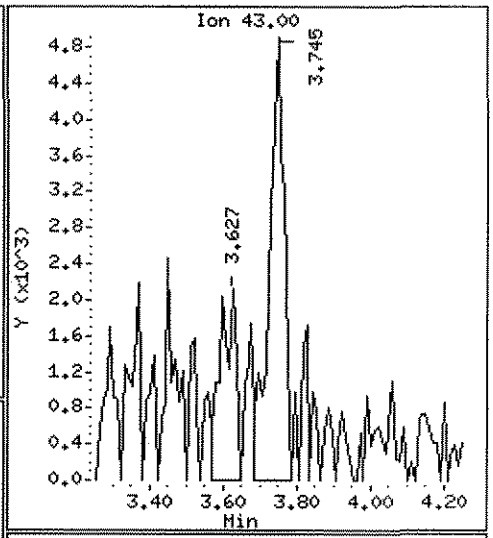
Column phase: RTX-VRX

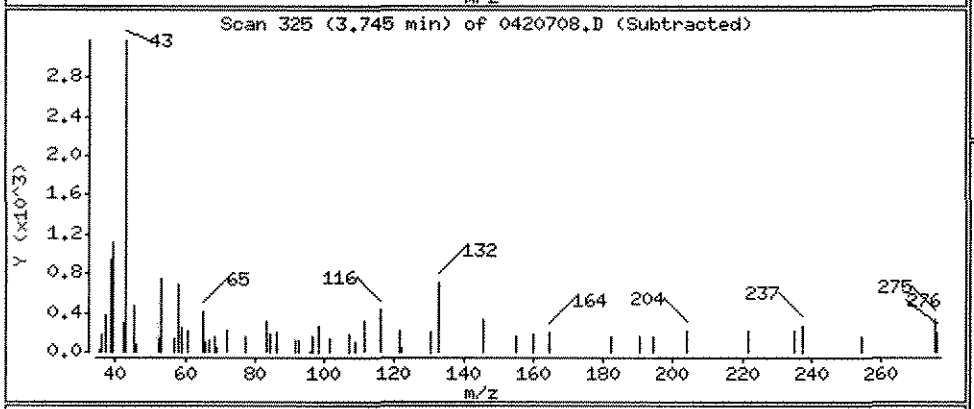
Column diameter: 0.25

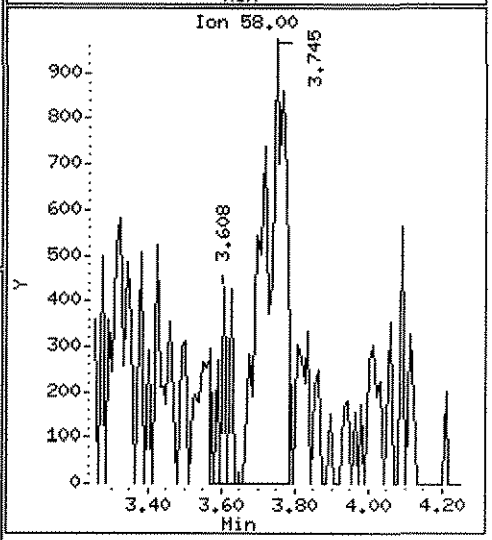
14 Acetone

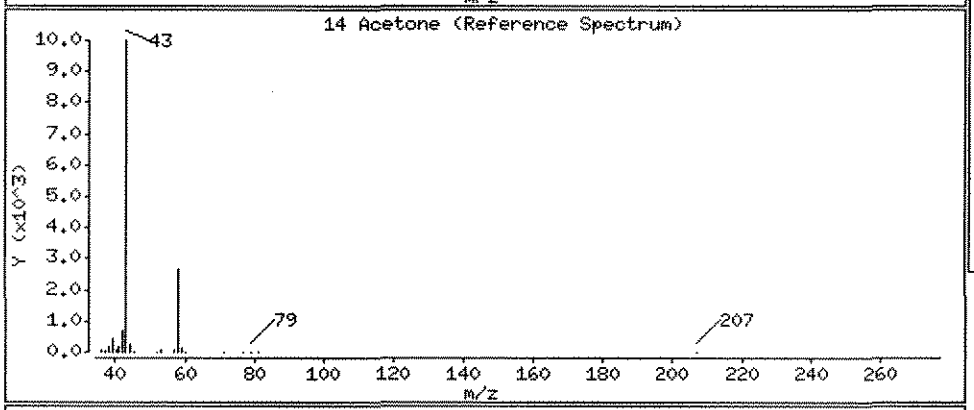
Concentration: 3.653 ug/L

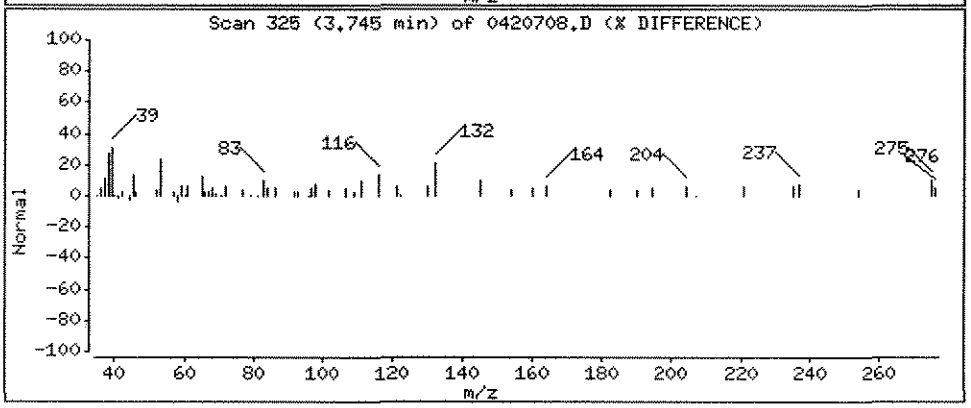












Data File: \\ELABNSH05\TARGET\chem\voa5.i\042311V5.b\0420708.D

Date : 23-APR-2011 16:09

Client ID: OLF54 MW03S

Instrument: voa5.i

Sample Info: 1104207-08;;;;;

Purge Volume: 5.0

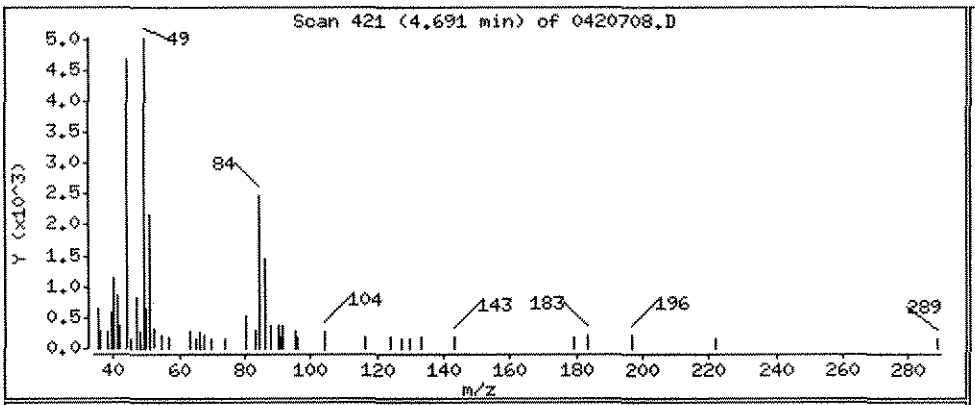
Operator: ADM

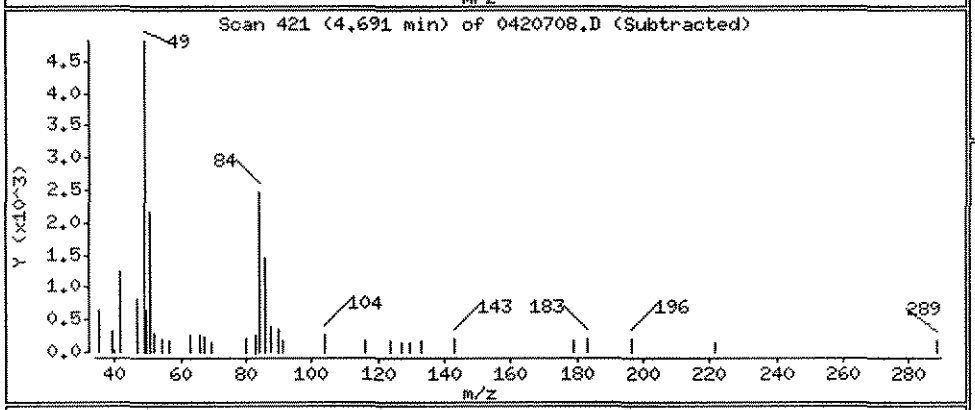
Column phase: RTX-VRX

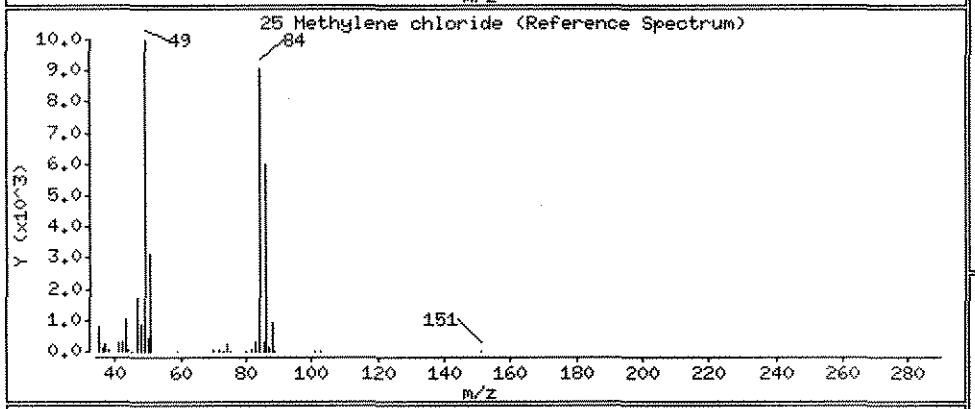
Column diameter: 0.25

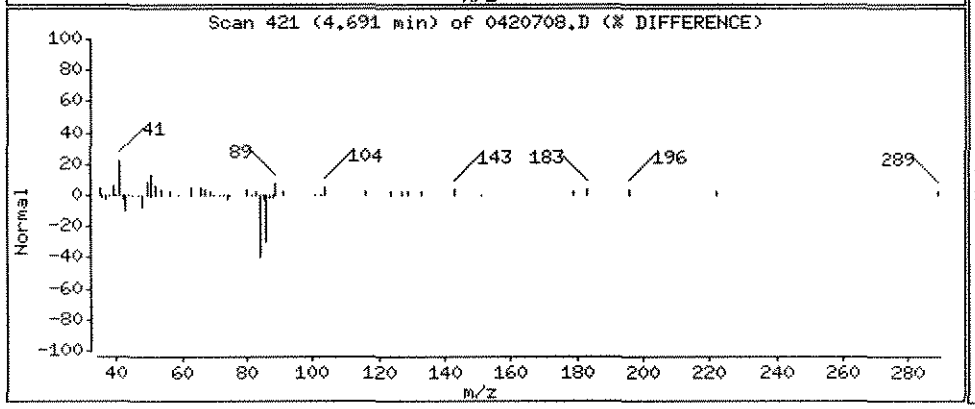
25 Methylene chloride

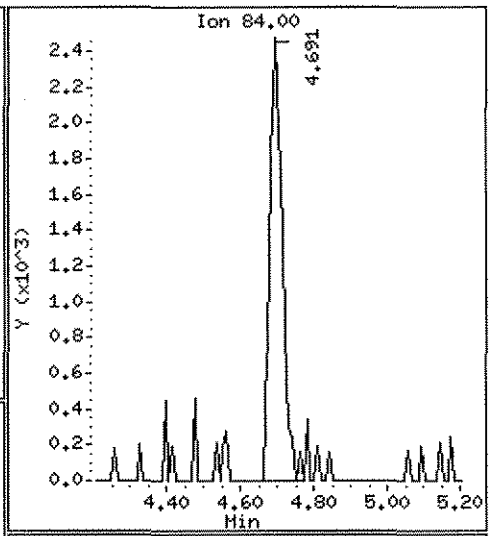
Concentration: 0.5764 ug/L

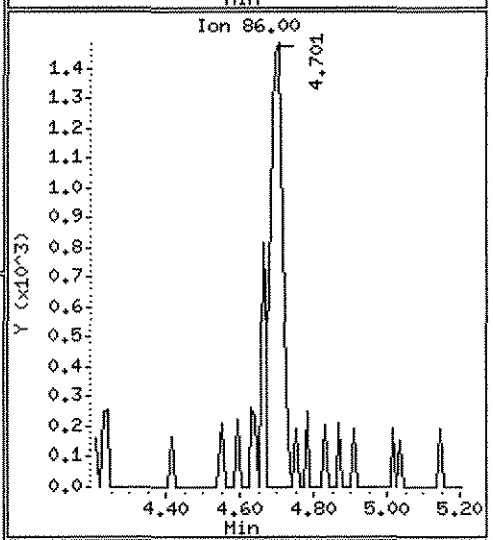


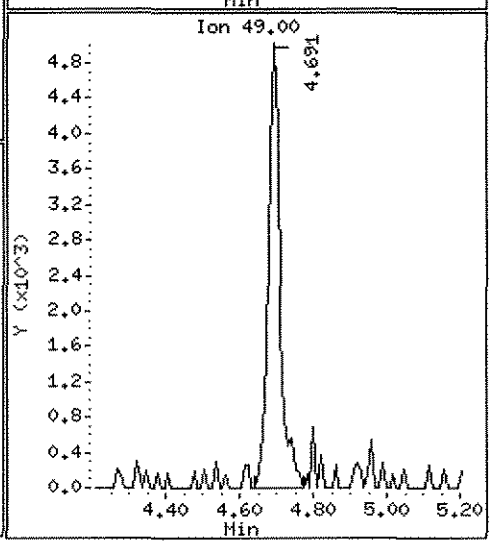












Data File: \\ELABNSH05\TARGET\chem\voa5.i\042311V5.b\0420708.D

Date : 23-APR-2011 16:09

Client ID: OLF54 MW03S

Instrument: voa5.i

Sample Info: 1104207-08;;;;;

Purge Volume: 5.0

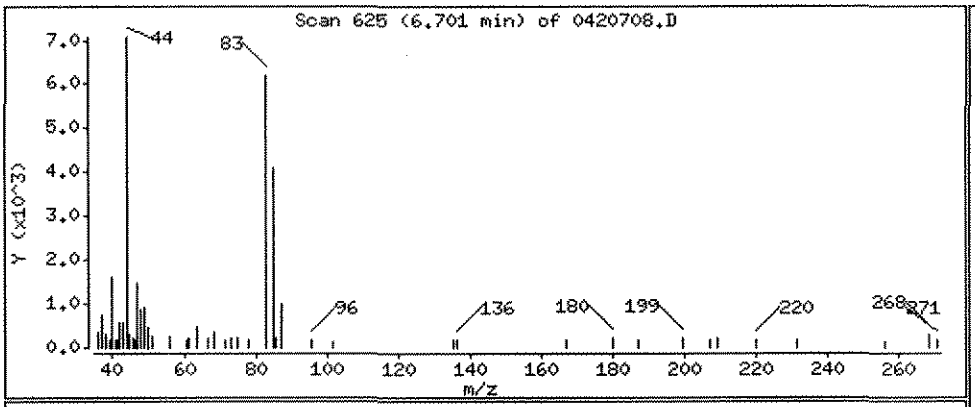
Operator: ADM

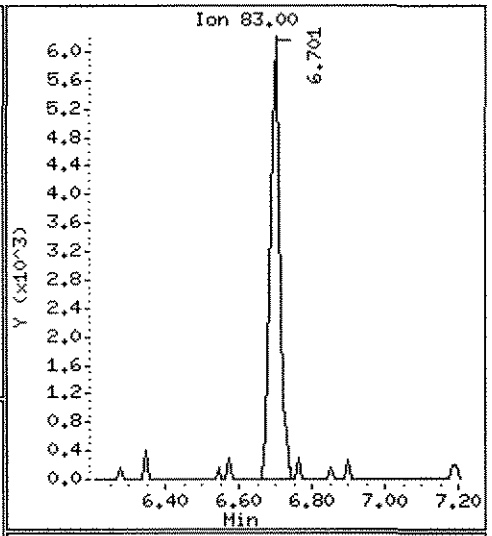
Column phase: RTX-VRX

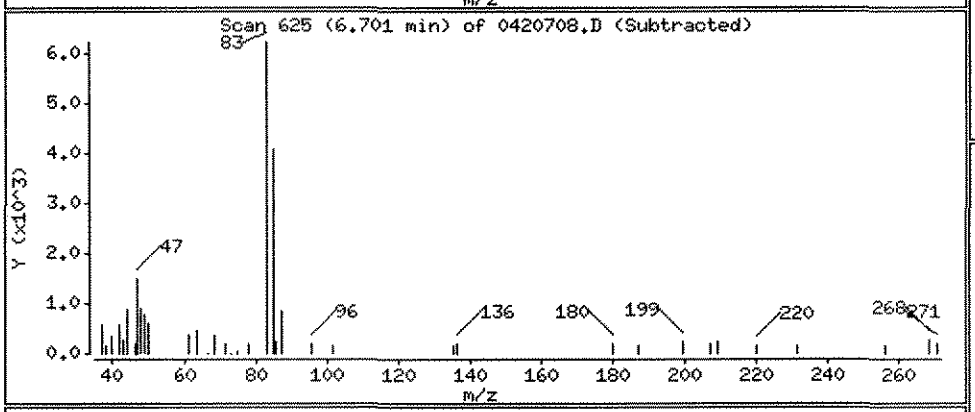
Column diameter: 0.25

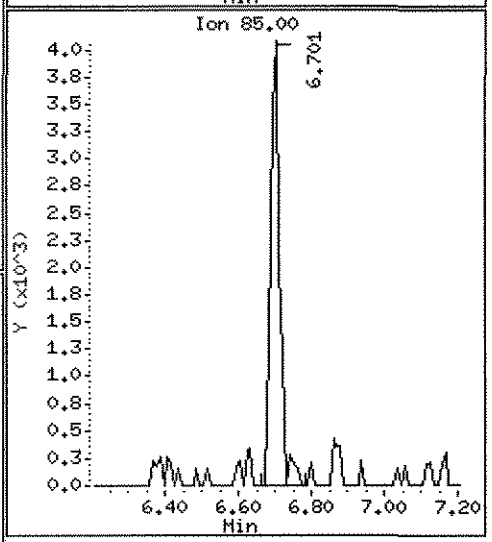
49 Chloroform

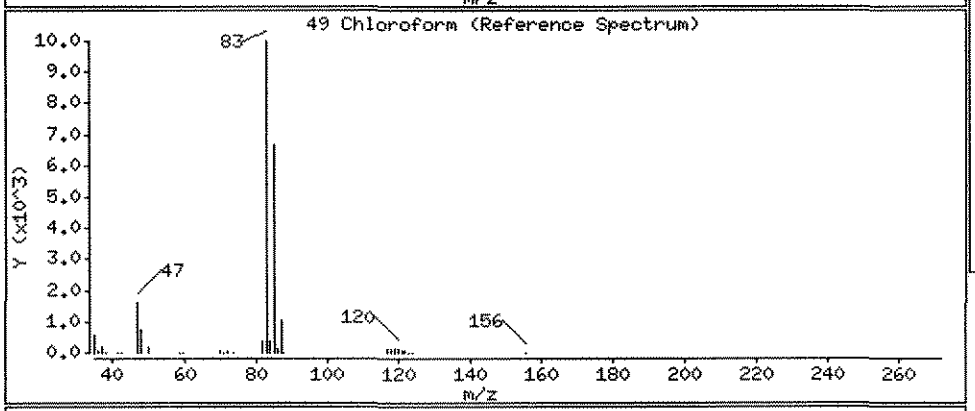
Concentration: 0.6704 ug/L

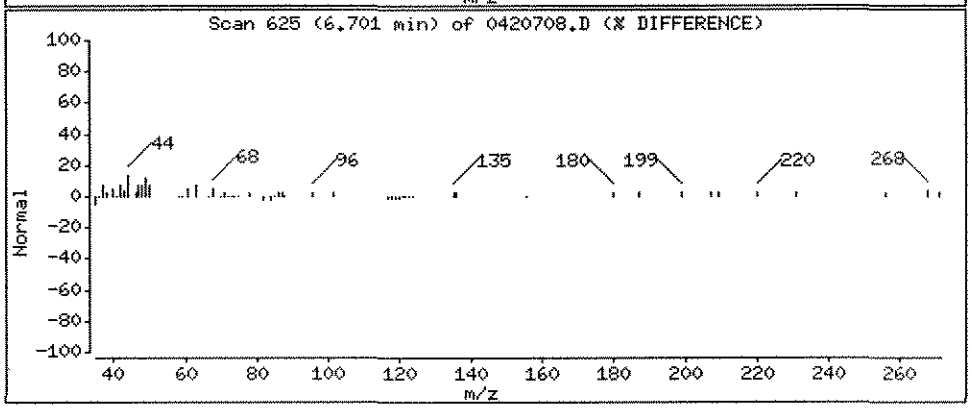












Data File: \\ELABNSH05\TARGET\chem\voa5.i\042311V5.b\0420708.D

Date : 23-APR-2011 16:09

Client ID: OLF54 MW03S

Instrument: voa5.i

Sample Info: 1104207-08;;;;;

Purge Volume: 5.0

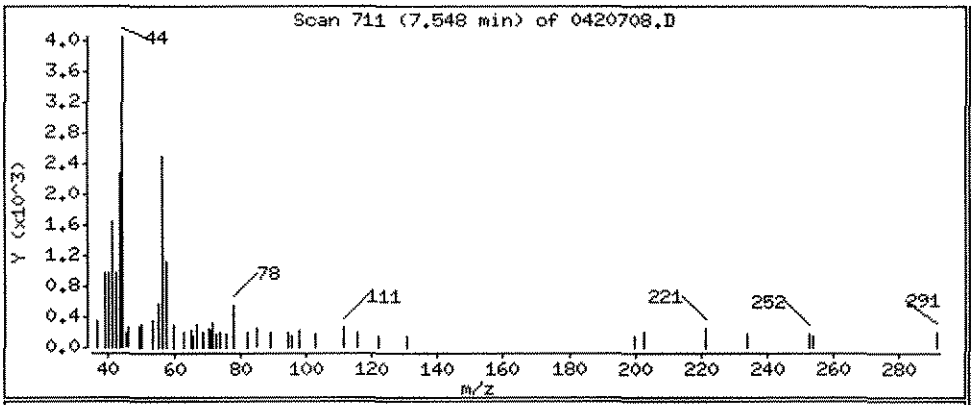
Operator: ADM

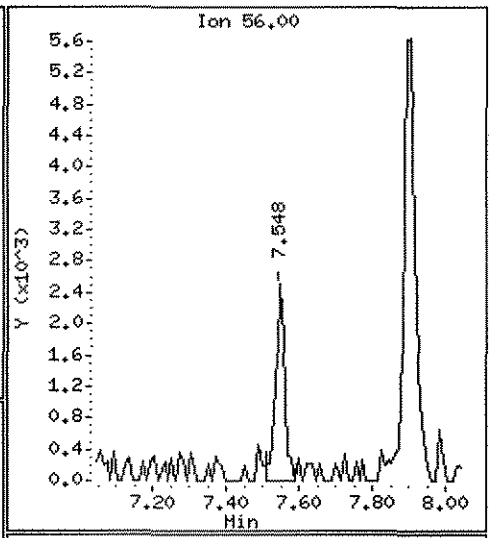
Column phase: RTX-VRX

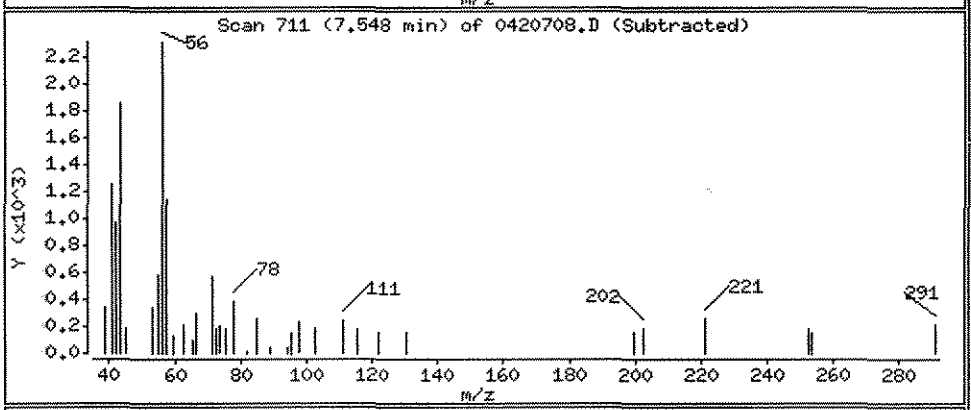
Column diameter: 0.25

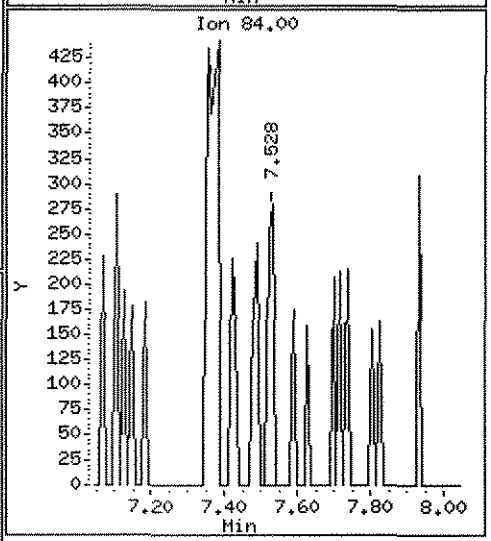
59 Cyclohexane

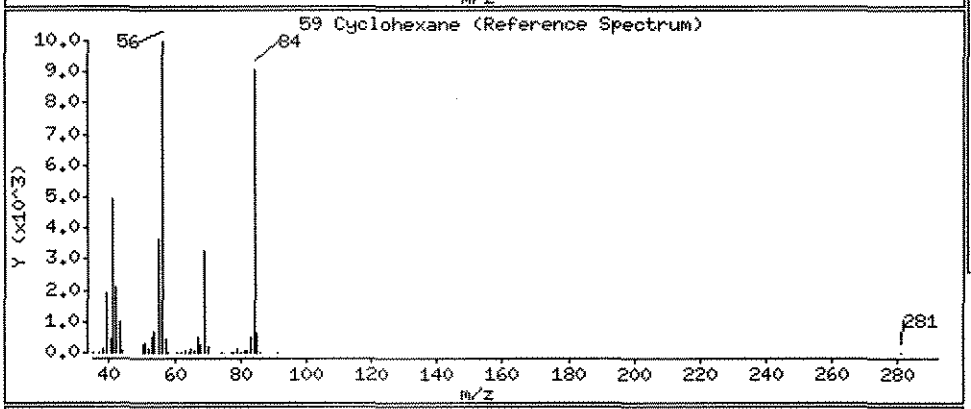
Concentration: 0.2736 ug/L

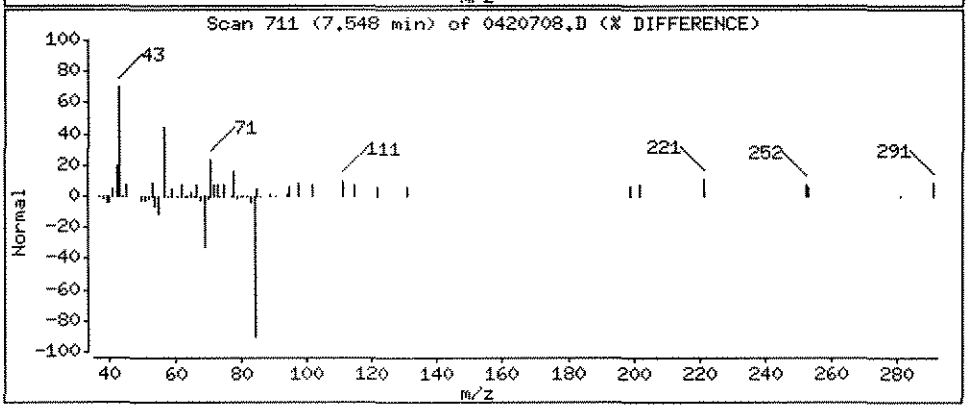












Data File: \\ELABNSH05\TARGET\chem\voa5.i\042311V5.b\0420708.D

Date : 23-APR-2011 16:09

Client ID: OLF54 MW03S

Instrument: voa5.i

Sample Info: 1104207-08;;;;;

Purge Volume: 5.0

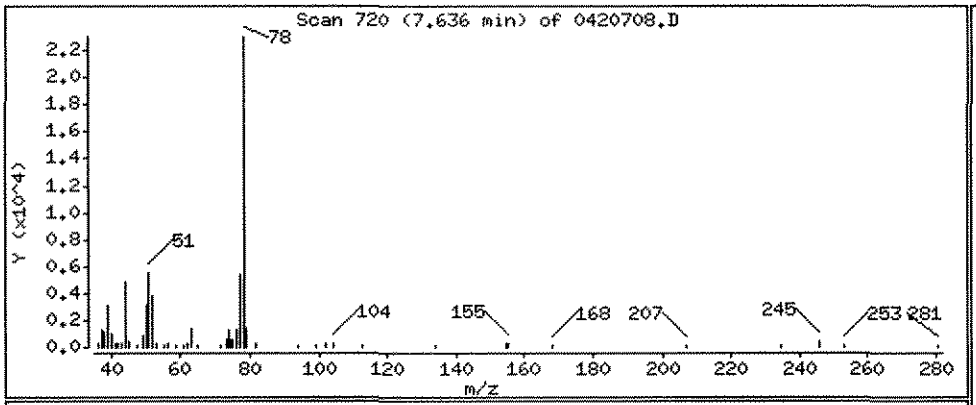
Operator: ADM

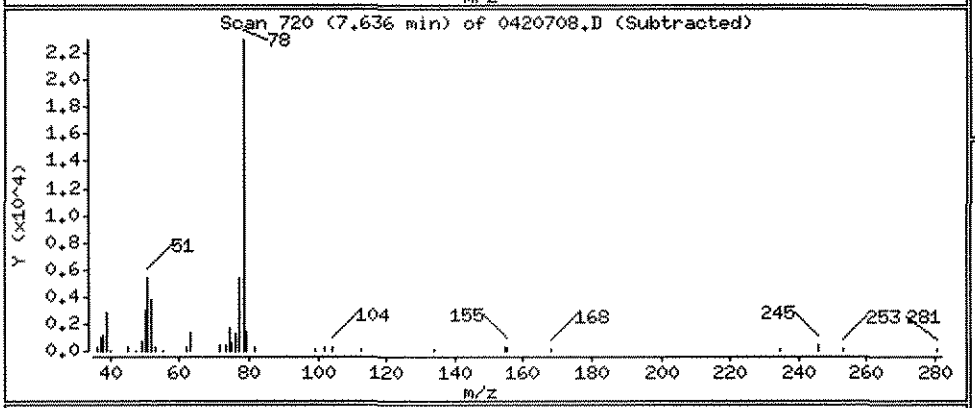
Column phase: RTX-VRX

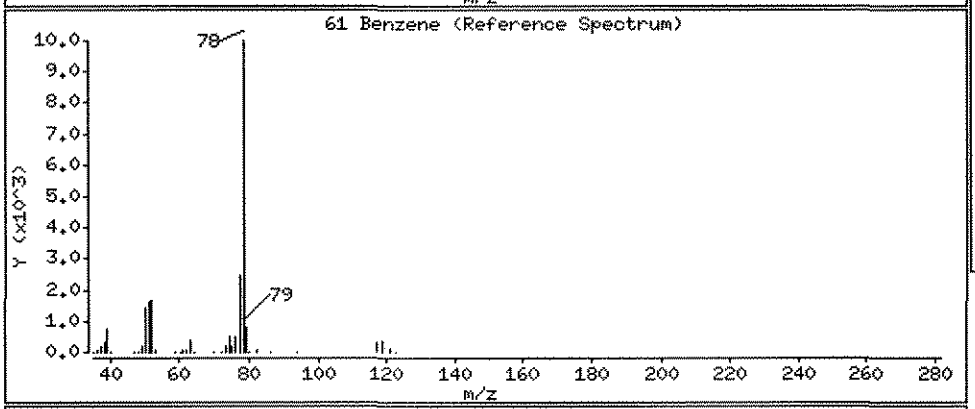
Column diameter: 0.25

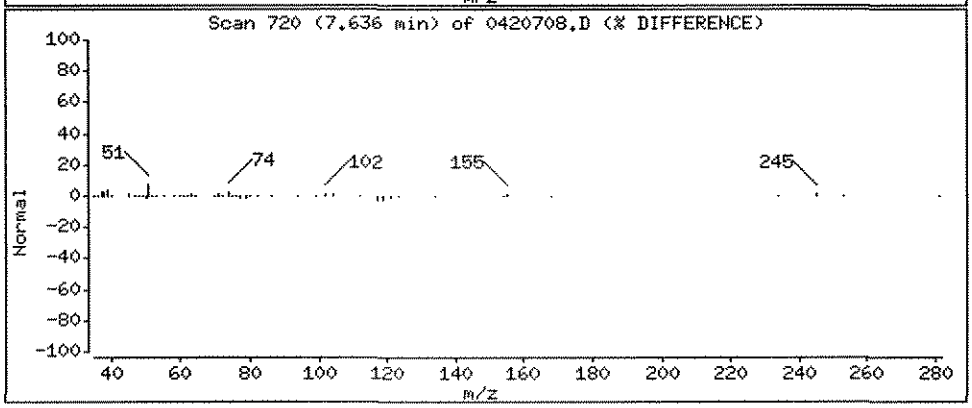
61 Benzene

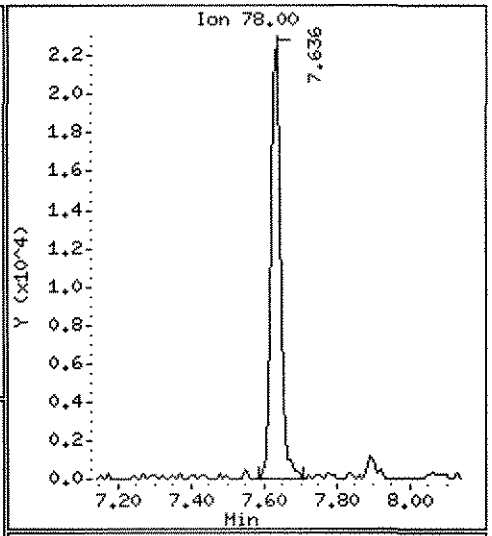
Concentration: 1.299 ug/L

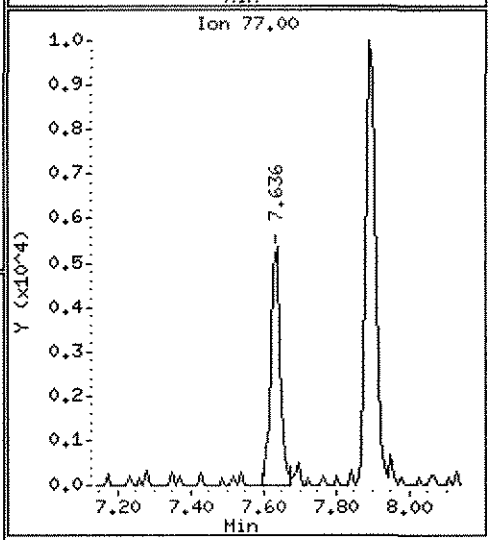












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Date : 23-APR-2011 16:09

Client ID: OLF54 MW03S

Instrument: voa5.i

Sample Info: 1104207-08;;;;;

Purge Volume: 5.0

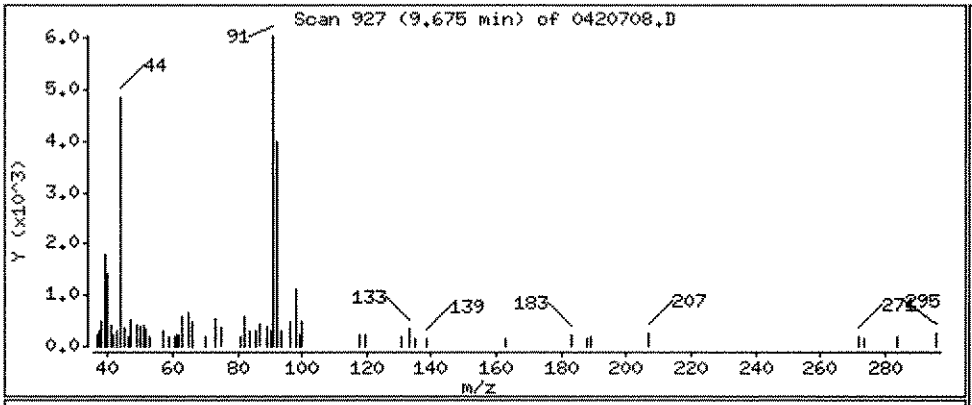
Operator: ADM

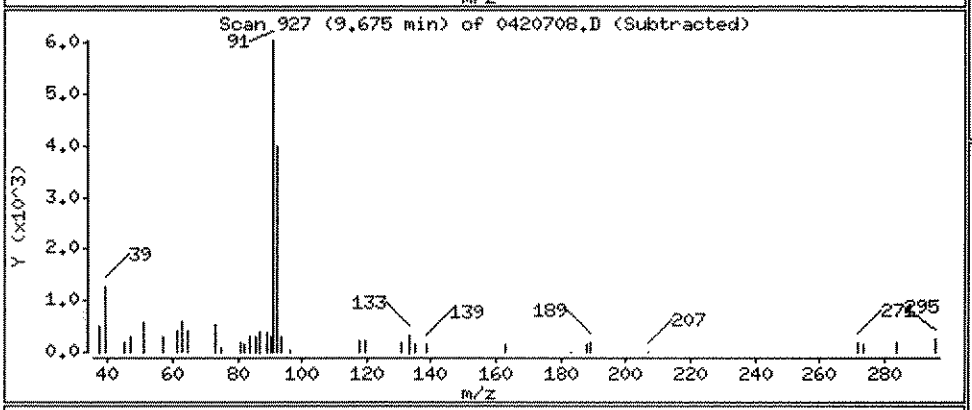
Column phase: RTX-VRX

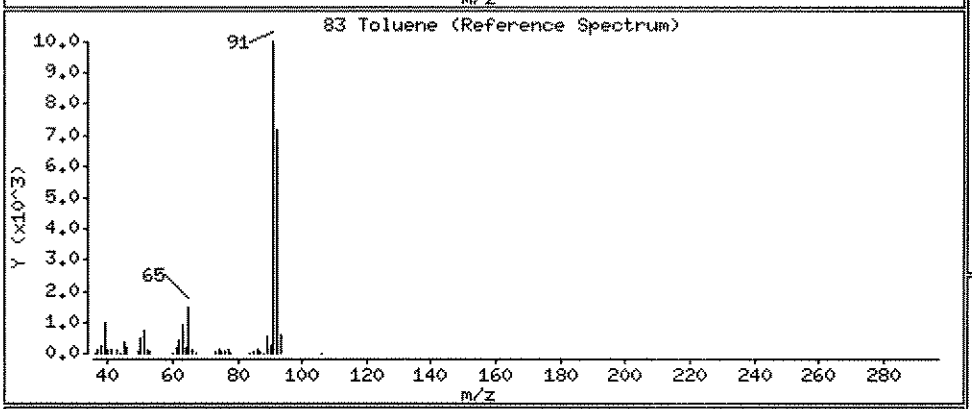
Column diameter: 0.25

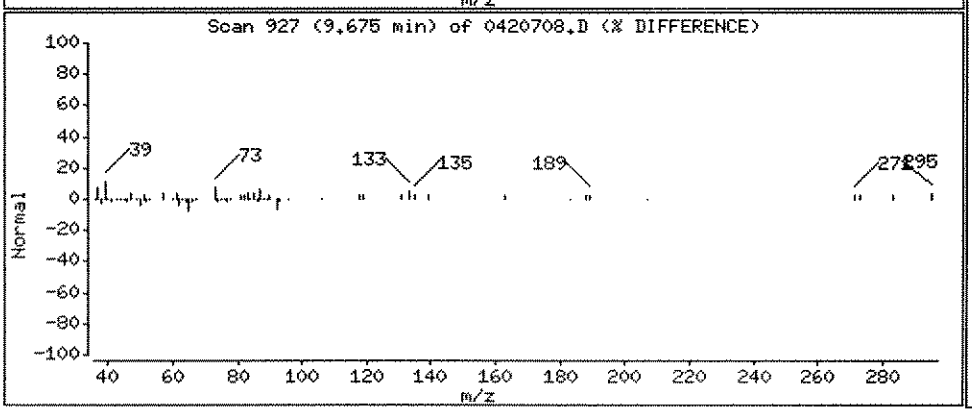
83 Toluene

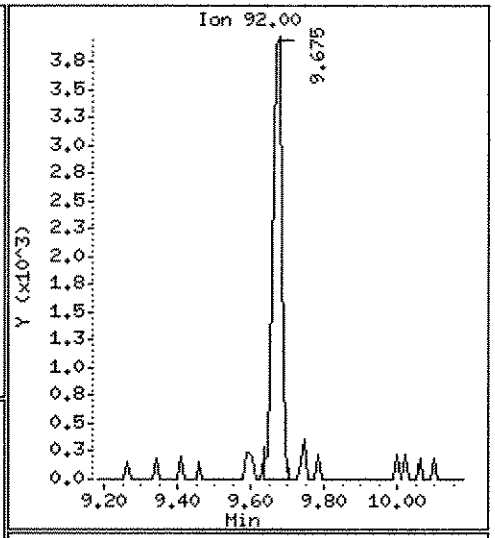
Concentration: 0.3805 ug/L

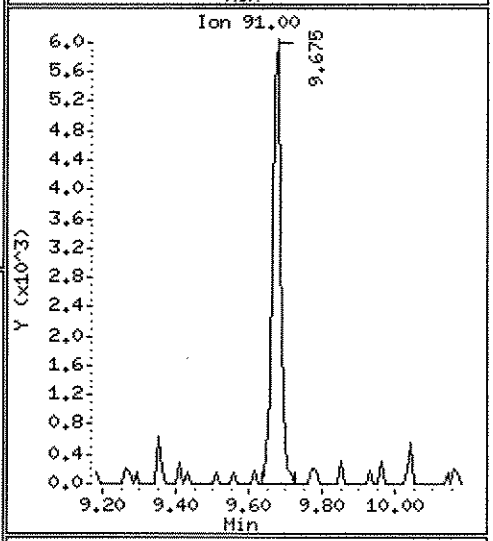


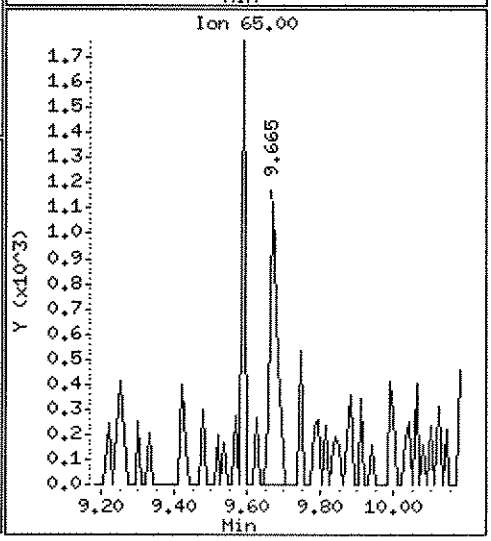












Data File: \\ELABNSH05\TARGET\chem\voa5.i\042311V5.b\0420708.D

Date : 23-APR-2011 16:09

Client ID: OLF54 MW03S

Instrument: voa5.i

Sample Info: 1104207-08;;;;;

Purge Volume: 5.0

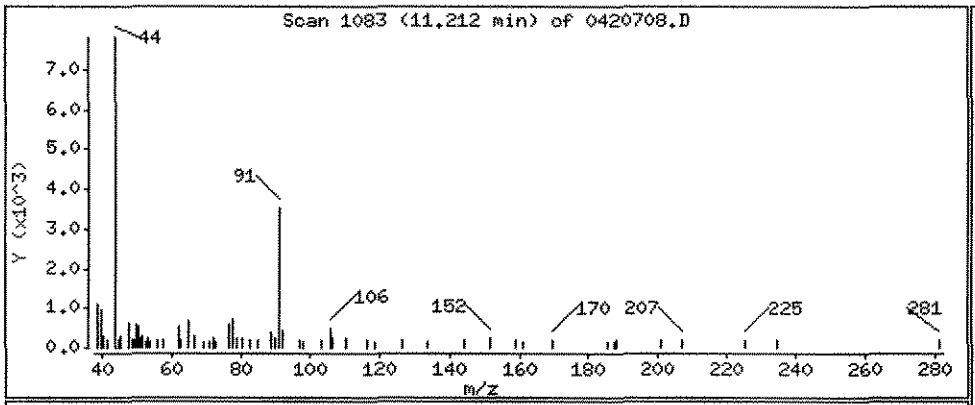
Operator: ADM

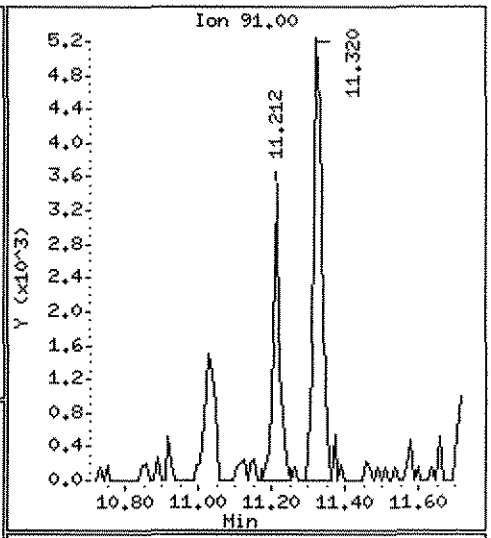
Column phase: RTX-VRX

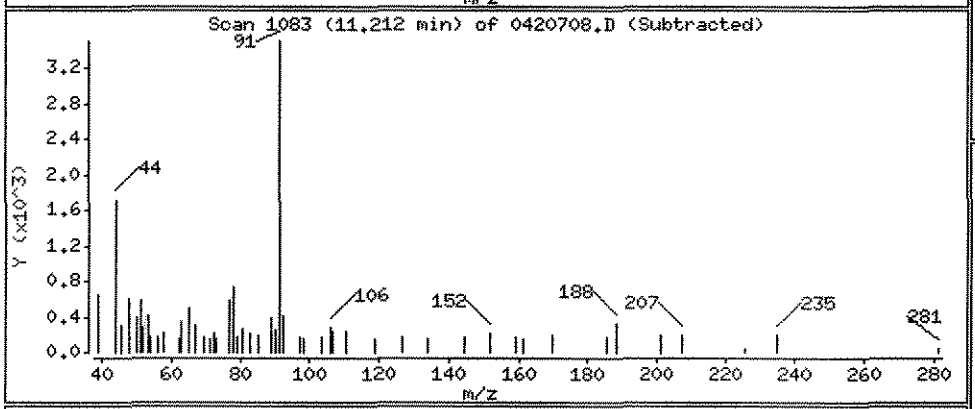
Column diameter: 0.25

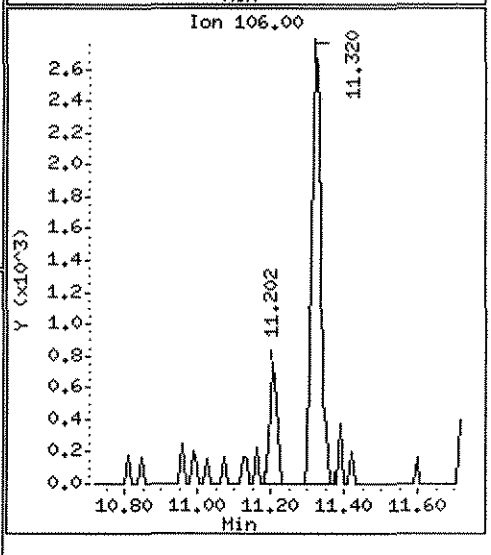
94 Ethylbenzene

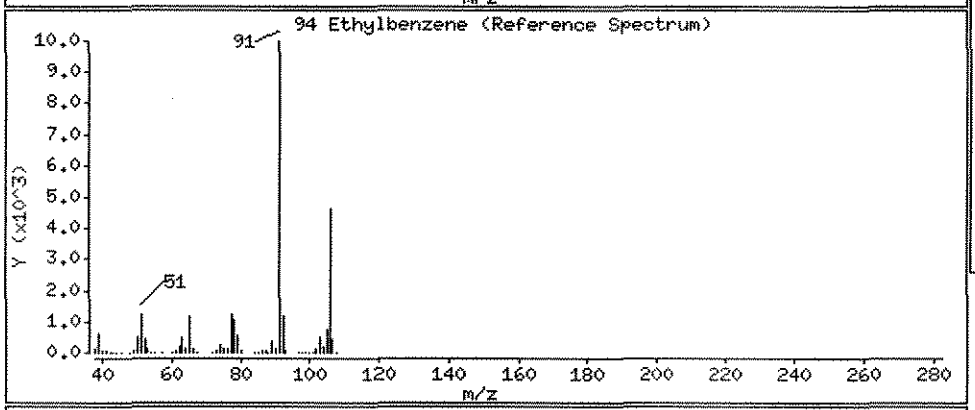
Concentration: 0.1350 ug/L

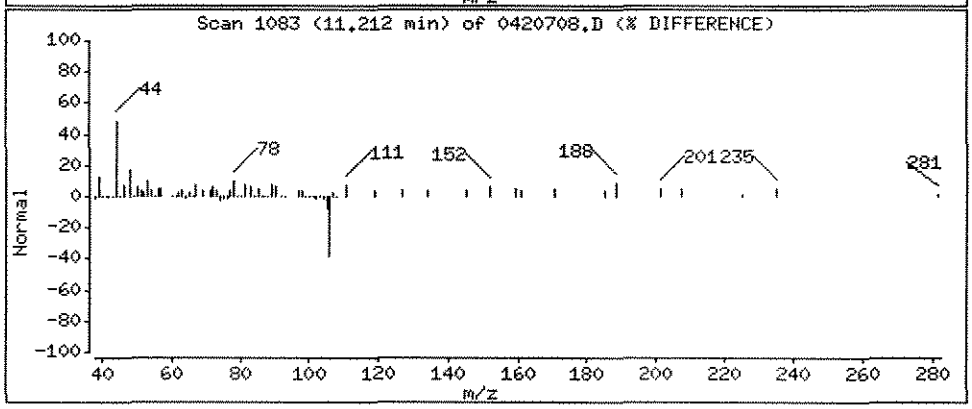












Data File: \\ELABNSH05\TARGET\chem\voa5.i\042311V5.b\0420708.D

Date : 23-APR-2011 16:09

Client ID: OLF54 MW03S

Instrument: voa5.i

Sample Info: 1104207-08;;;;;

Purge Volume: 5.0

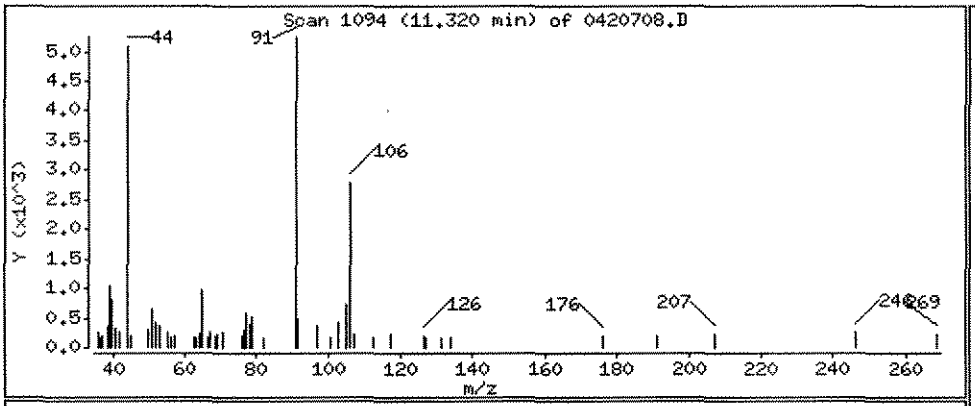
Operator: ADM

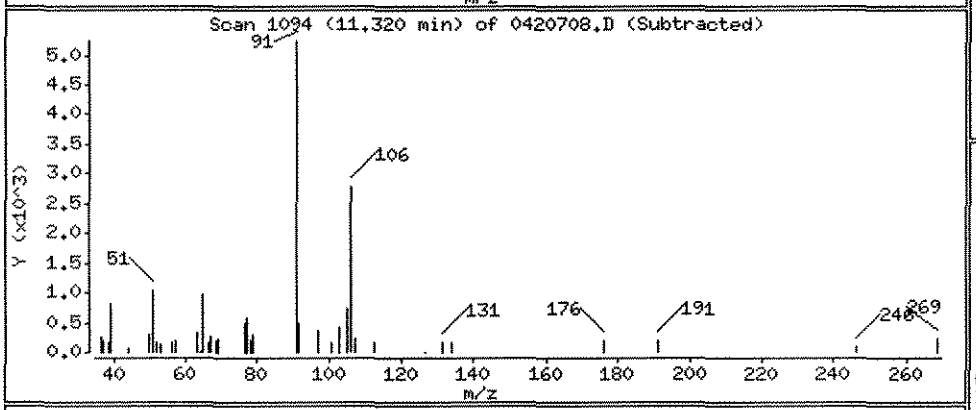
Column phase: RTX-VRX

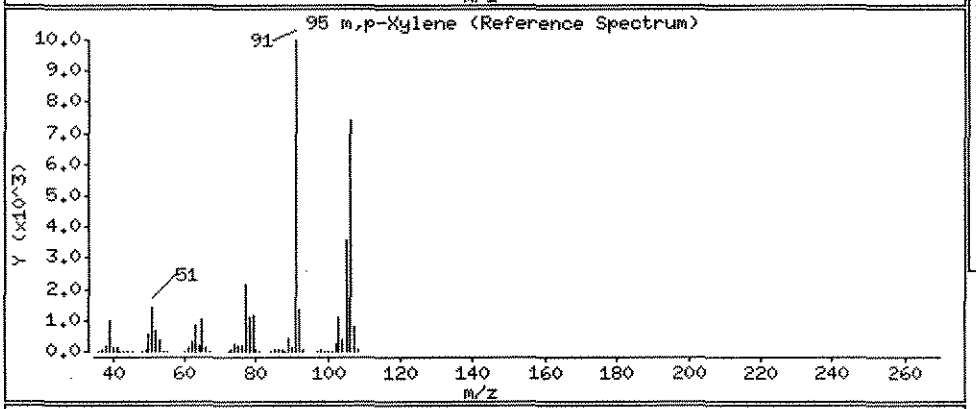
Column diameter: 0.25

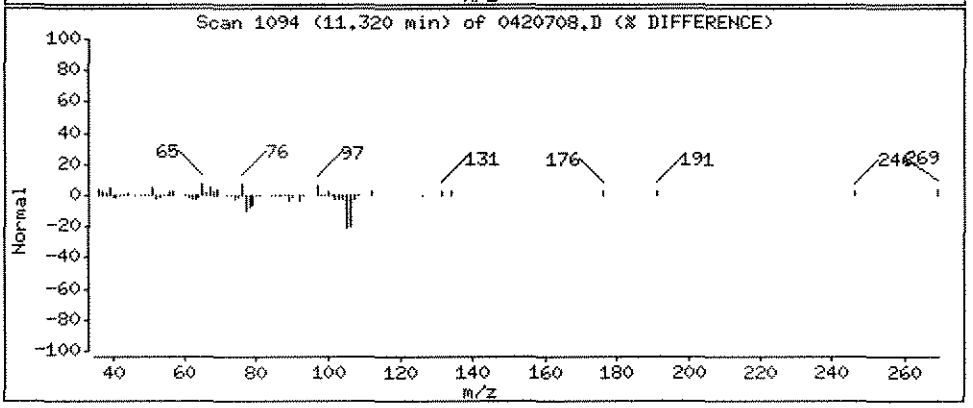
95 m,p-Xylene

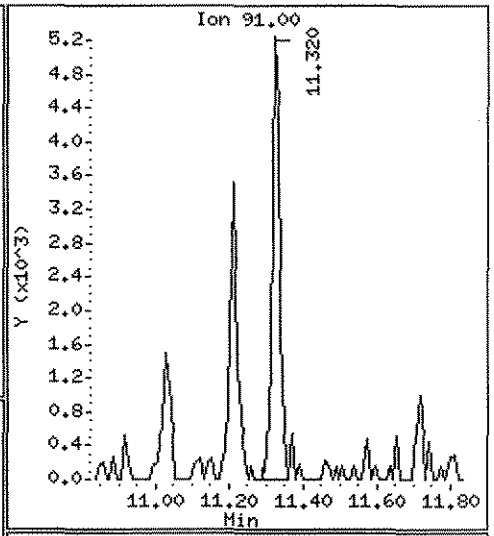
Concentration: 0.3026 ug/L

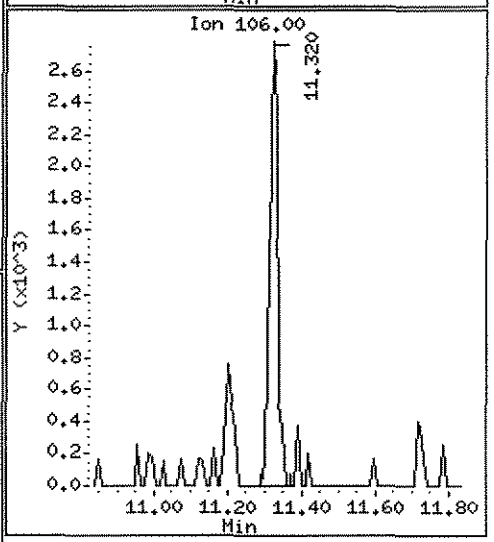












Data File: \\ELABNSH05\TARGET\chem\voa5.i\042311V5.b\0420708.D

Date : 23-APR-2011 16:09

Client ID: OLF54 MW03S

Instrument: voa5.i

Sample Info: 1104207-08;;;;;

Purge Volume: 5.0

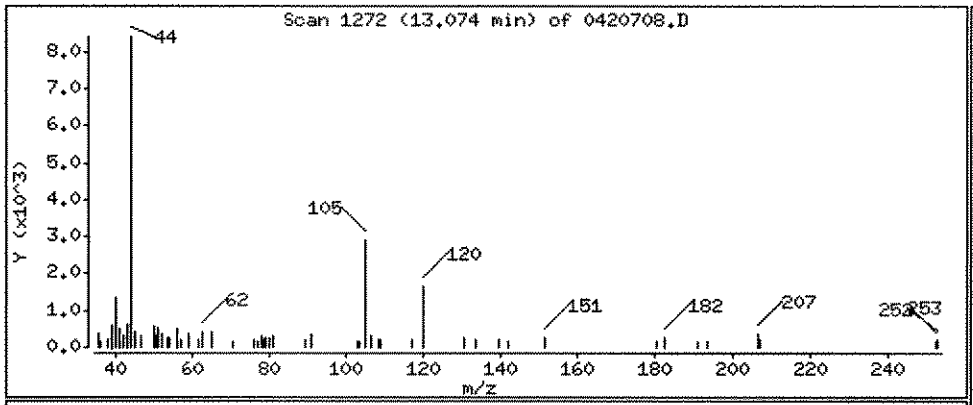
Operator: ADM

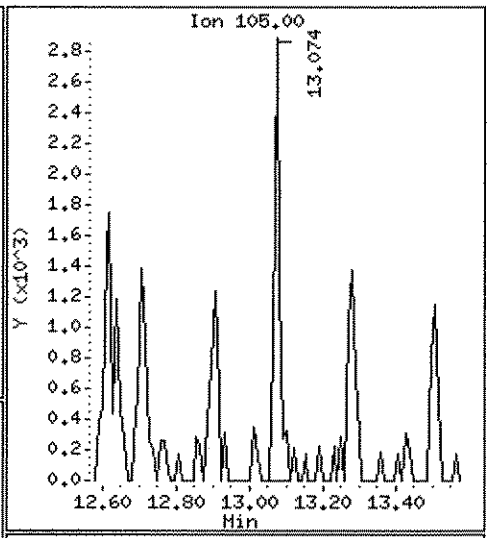
Column phase: RTX-VRX

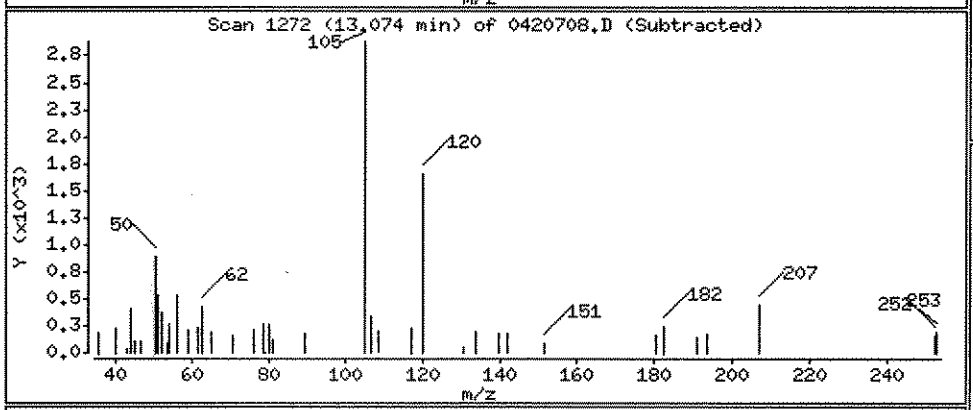
Column diameter: 0.25

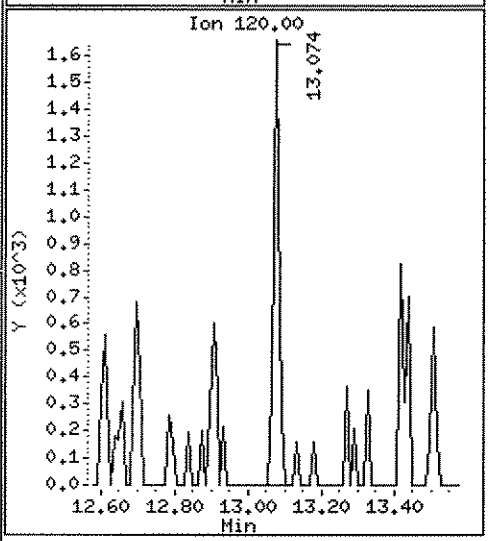
111 1,2,4-Trimethylbenzene

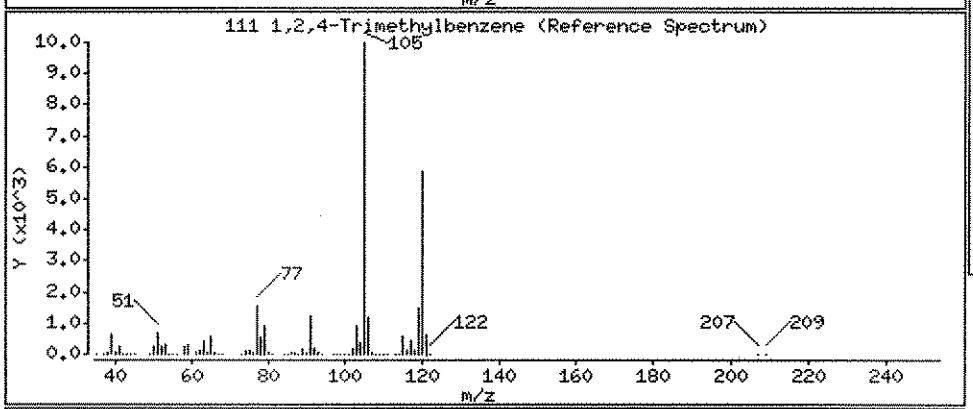
Concentration: 0.1445 ug/L

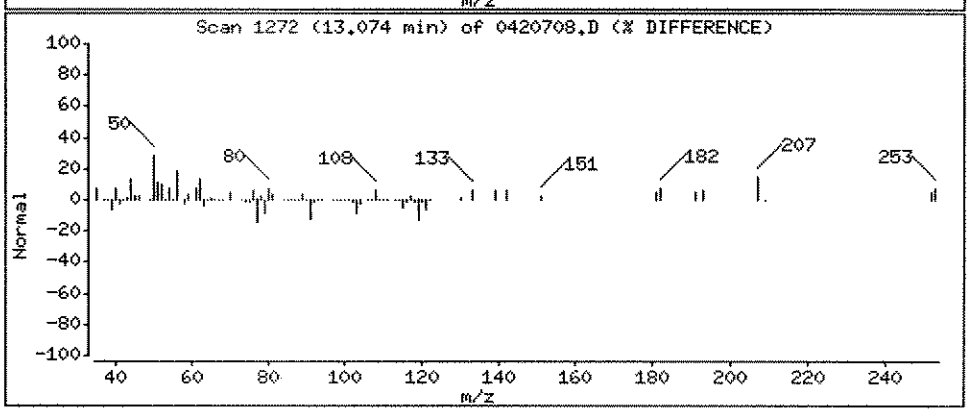












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Date : 23-APR-2011 16:09

Client ID: OLF54 MW03S

Instrument: voa5.i

Sample Info: 1104207-08;;;;;

Purge Volume: 5.0

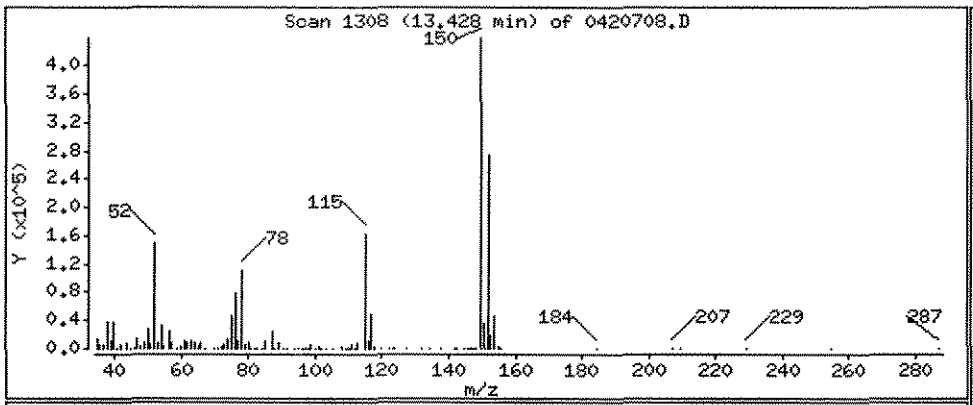
Operator: ADM

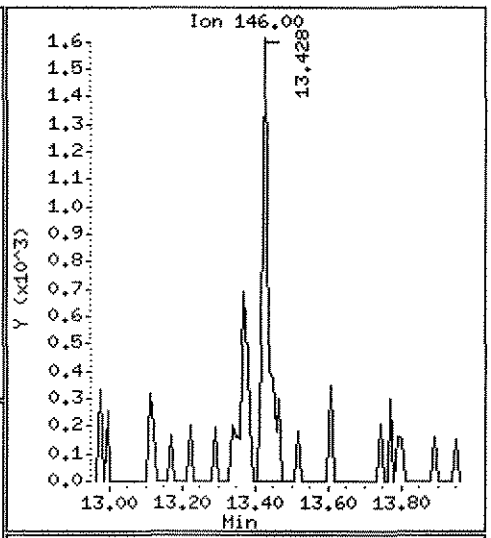
Column phase: RTX-VRX

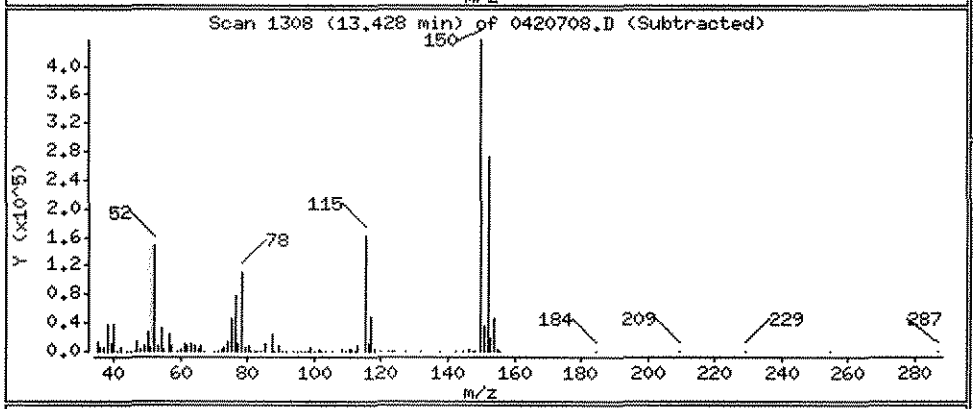
Column diameter: 0.25

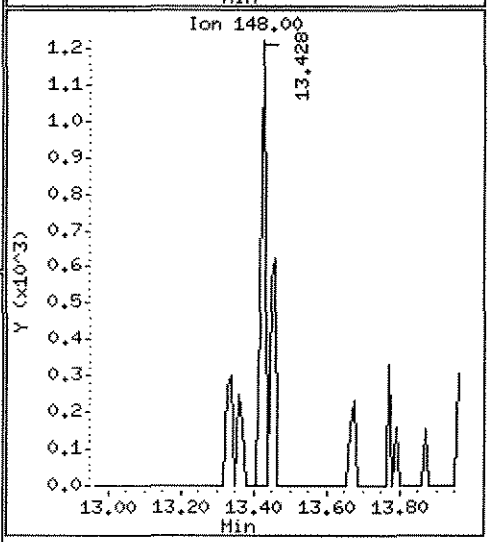
118 1,4-Dichlorobenzene

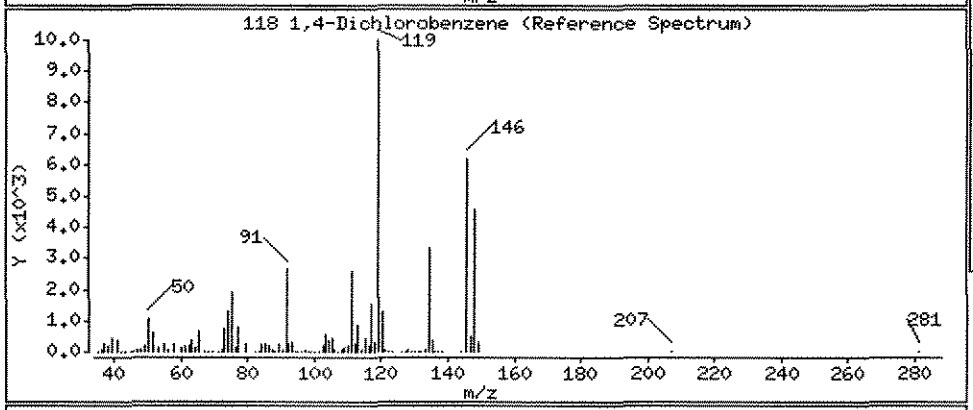
Concentration: 0.1262 ug/L

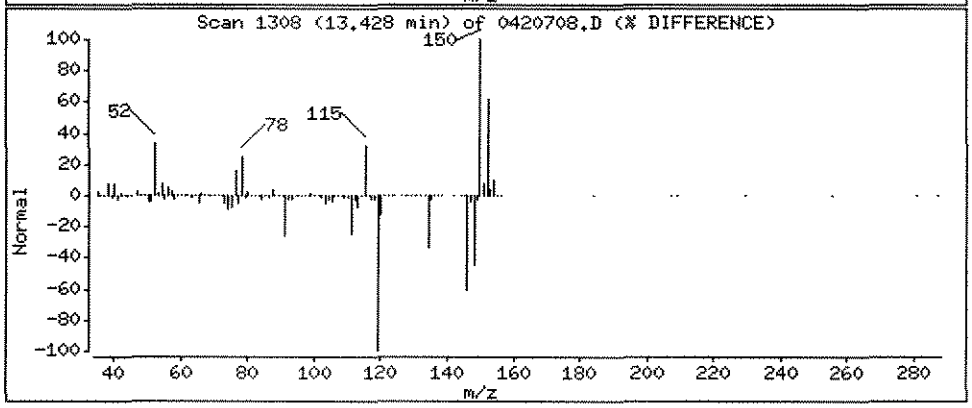












Data File: \\ELABNSH05\TARGET\chem\voa5.i\042311V5.b\0420708.D

Date : 23-APR-2011 16:09

Client ID: OLF54 MW03S

Instrument: voa5.i

Sample Info: 1104207-08;;;;;

Purge Volume: 5.0

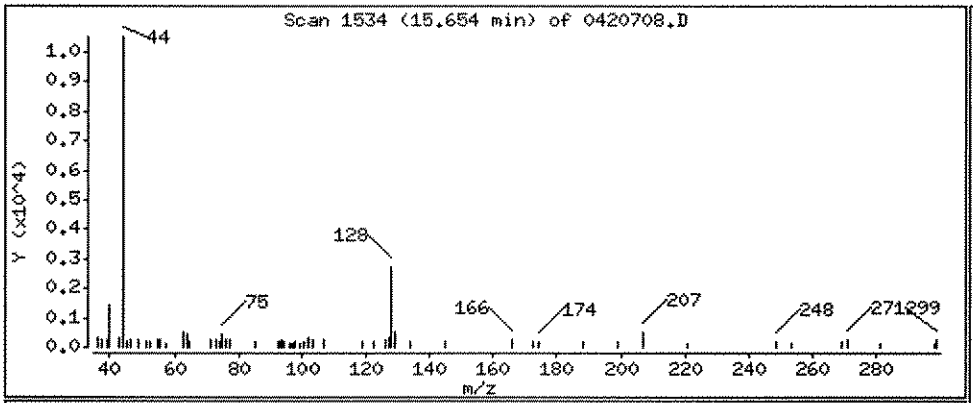
Operator: ADM

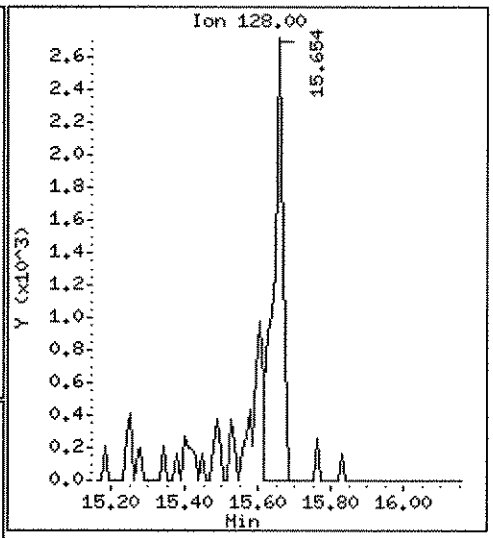
Column phase: RTX-VRX

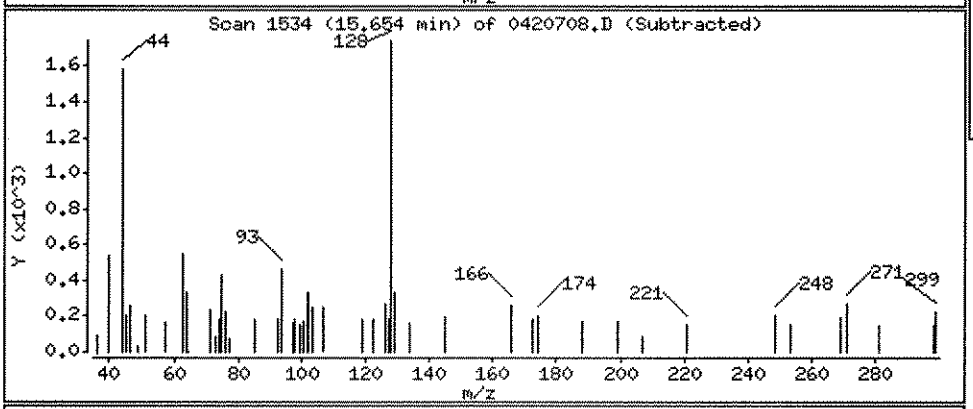
Column diameter: 0.25

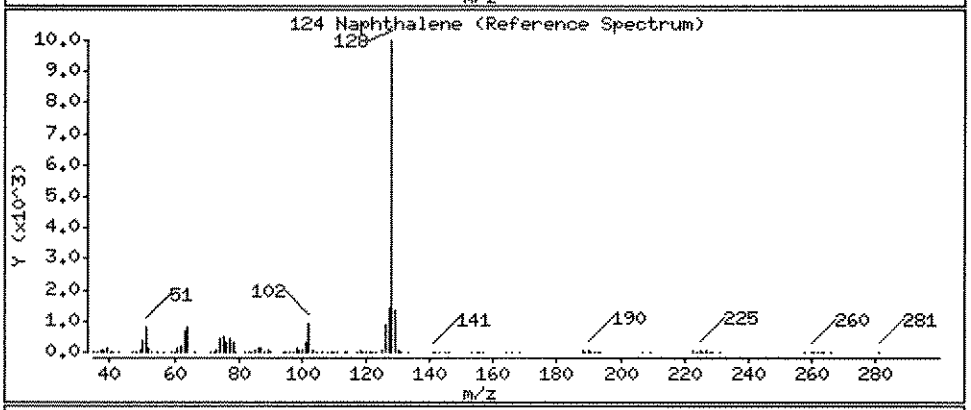
124 Naphthalene

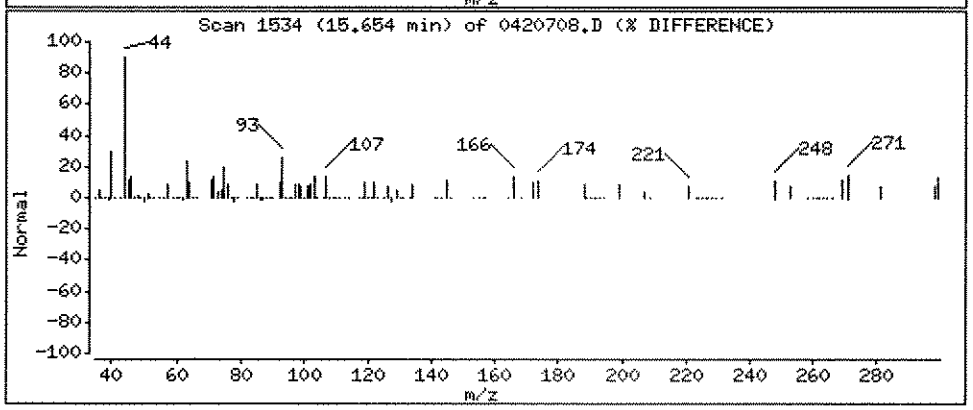
Concentration: 0.2994 ug/L











Data File: \\ELABNSH05\TARGET\chem\voa5.i\042311V5.b\0420706D.D
Report Date: 24-Apr-2011 05:44

Laboratory Name

Data file : \\ELABNSH05\TARGET\chem\voa5.i\042311V5.b\0420706D.D
Lab Smp Id: 1104207-06 Client Smp ID: OLF54 MW29D
Inj Date : 23-APR-2011 21:41 MS Autotune Date: 28-JUL-1998 05:19
Operator : ADM Inst ID: voa5.i
Smp Info : 1104207-06;10;;;;
Misc Info : ;0;;;;gm-all.sub;
Comment :
Method : \\ELABNSH05\TARGET\chem\voa5.i\042311V5.b\VW5SUR.m
Meth Date : 24-Apr-2011 05:25 ghallquist Quant Type: ISTD
Cal Date : 15-APR-2011 14:26 Cal File: 0415CALA.D
Als bottle: 49
Dil Factor: 10.00000
Integrator: HP RTE Compound Sublist: gm-all.sub
Target Version: 4.04
Processing Host: TARGET07_VM

Concentration Formula: Amt * DF * 5*Uf/Vo

MR 04/25/11

Name	Value	Description
DF	10.000	Dilution Factor
Uf	1.000	unit correction factor
Vo	5.000	Volume of sample purged (mL)

4-28-11

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
* 62 Fluorobenzene	96	7.905	7.906	(1.000)	1329200	30.0000	
15 t-Butyl alcohol	59	4.349	4.369	(0.550)	3422	3.53517	35.35(Q)
25 Methylene chloride	84	4.694	4.704	(0.594)	7523	0.66302	6.630(a)
$ 51 Dibromofluoromethane	111	6.880	6.871	(0.870)	382639	29.4532	29.45
59 Cyclohexane	56	7.550	7.541	(0.955)	47193	2.57368	25.74(Q)
$ 54 1,2-Dichloroethane-d4	102	7.373	7.374	(0.933)	80715	30.6323	30.63
61 Benzene	78	7.639	7.640	(0.966)	4576203	126.486	1265
55 1,2-Dichloroethane	62	7.471	7.462	(0.945)	12637	0.85053	8.505(a)
$ 81 Toluene-d8	98	9.609	9.600	(0.871)	1174759	31.3928	31.39
* 92 Chlorobenzene-d5	82	11.037	11.038	(1.000)	546024	30.0000	
95 m,p-Xylene	91	11.333	11.334	(1.027)	66805	2.35622	23.56
M 107 Xylene(total)	91				66805	2.35622	23.56
103 Isopropylbenzene	105	12.121	12.122	(1.098)	9862	0.34744	3.474(a)
$ 104 Bromofluorobenzene	95	12.239	12.230	(1.109)	460176	29.9888	29.99
111 1,2,4-Trimethylbenzene	105	13.086	13.077	(0.974)	9467	0.39002	3.900(a)
* 117 1,4-Dichlorobenzene-d4	152	13.441	13.432	(1.000)	438945	30.0000	(Q)

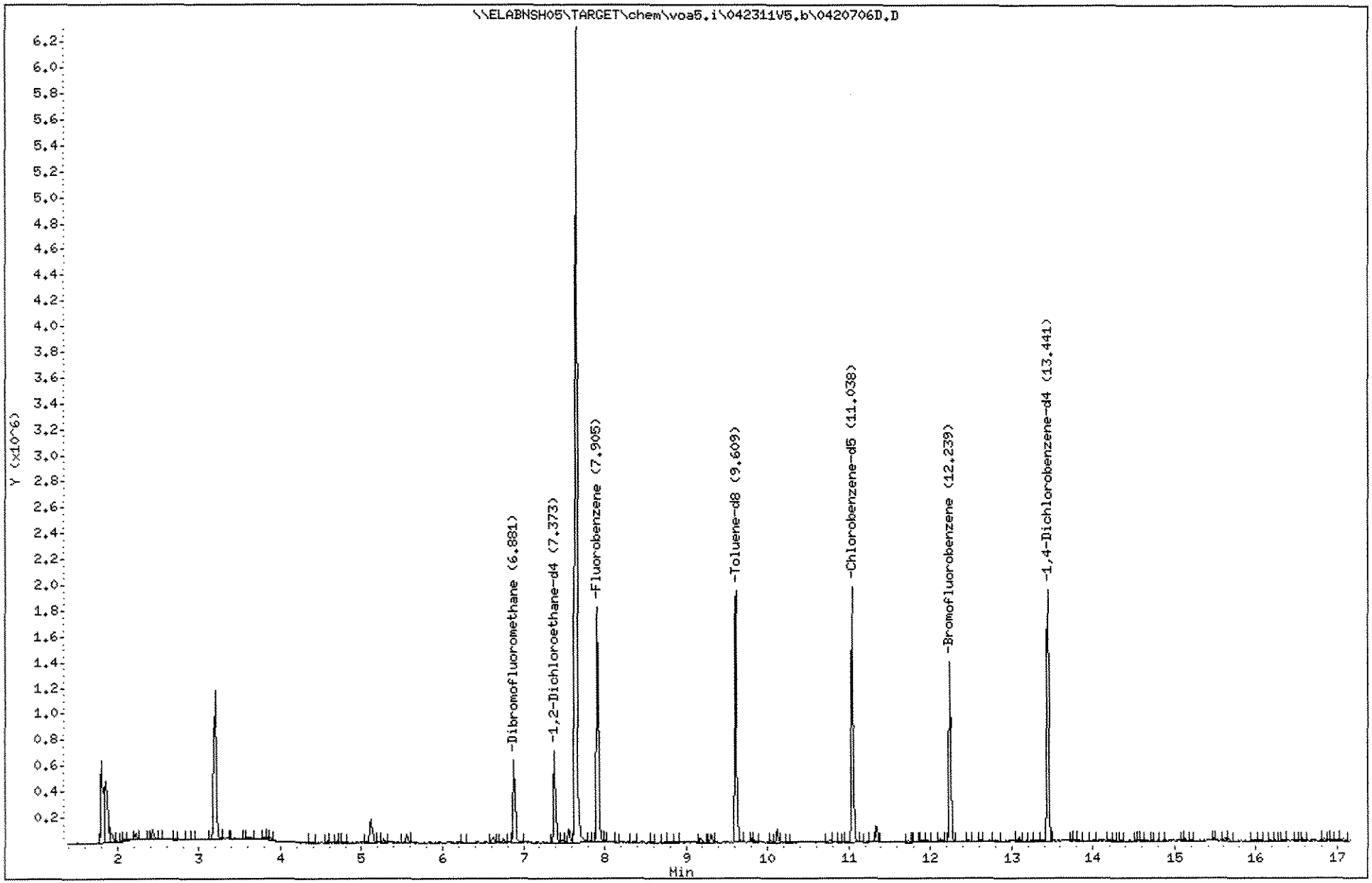
Data File: \\ELABNSH05\TARGET\chem\voa5.i\042311V5.b\0420706D.D
Report Date: 24-Apr-2011 05:44

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
124 Naphthalene	128	15.667	15.658	(1.166)	16963	0.87362	8.736(a)

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.

Data File: \\ELABNSH05\TARGET\chem\voa5.i\042311V5.b\0420706D.D
Date : 23-APR-2011 21:41
Client ID: OLF54 MW29D
Instrument: voa5.i
Sample Info: 1104207-06;10;;;;
Purge Volume: 5.0
Operator: ADM
Column phase: RTX-VRX
Column diameter: 0.25



Data File: \\ELABNSH05\TARGET\chem\voa5.i\042311V5.b\0420706D.D

Date : 23-APR-2011 21:41

Client ID: OLF54 MW29D

Instrument: voa5.i

Sample Info: 1104207-06:10;;;;

Purge Volume: 5.0

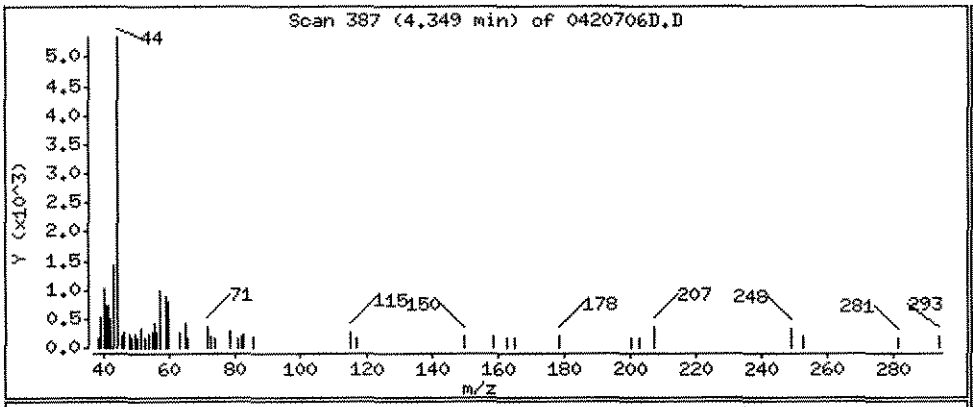
Operator: ADM

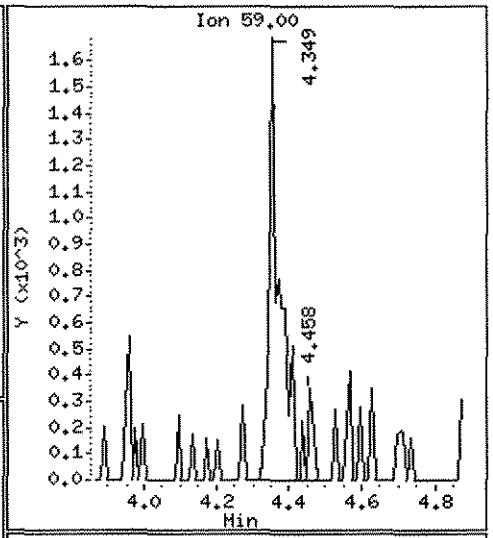
Column phase: RTX-VRX

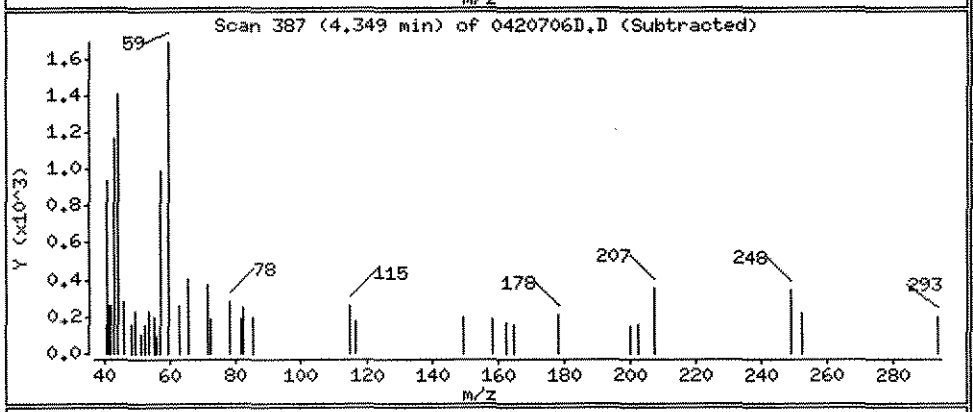
Column diameter: 0.25

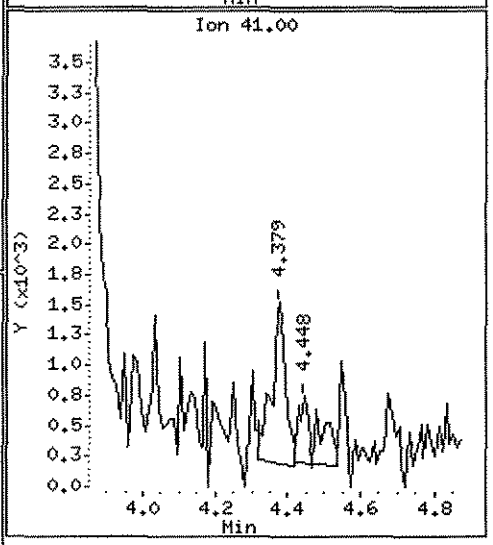
15 t-Butyl alcohol

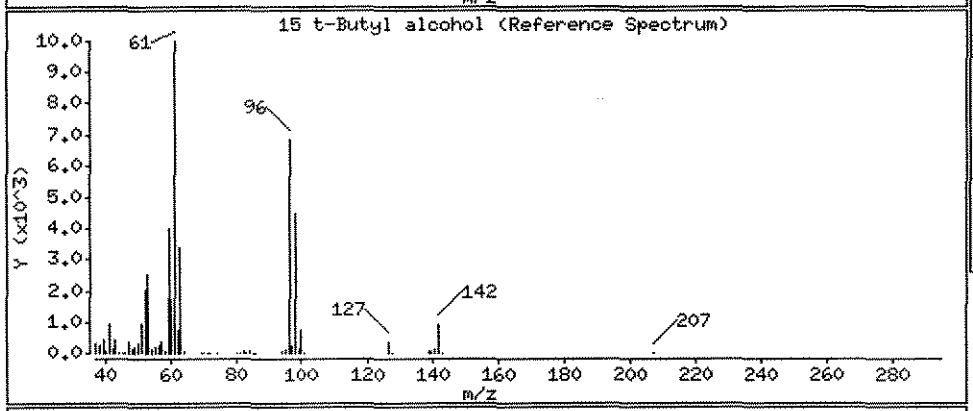
Concentration: 35.35 ug/L

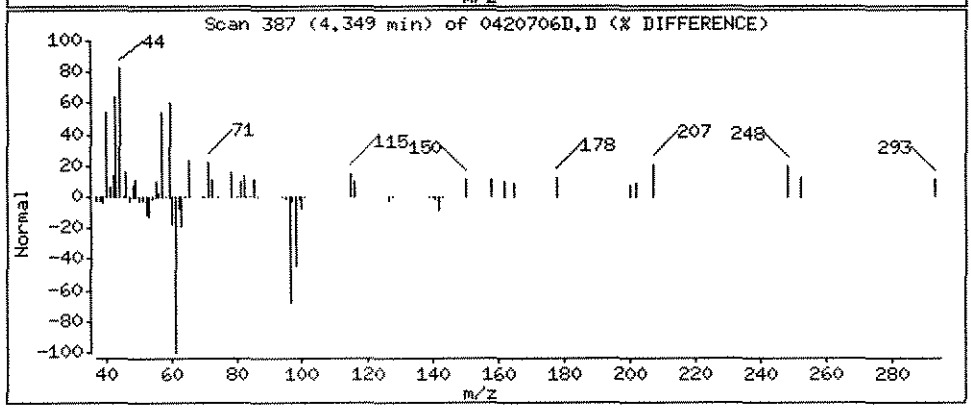












Data File: \\ELABNSH05\TARGET\chem\voa5.i\042311V5.b\0420706D.D

Date : 23-APR-2011 21:41

Client ID: OLF54 MW29D

Instrument: voa5.i

Sample Info: 1104207-06;10;;;;

Purge Volume: 5.0

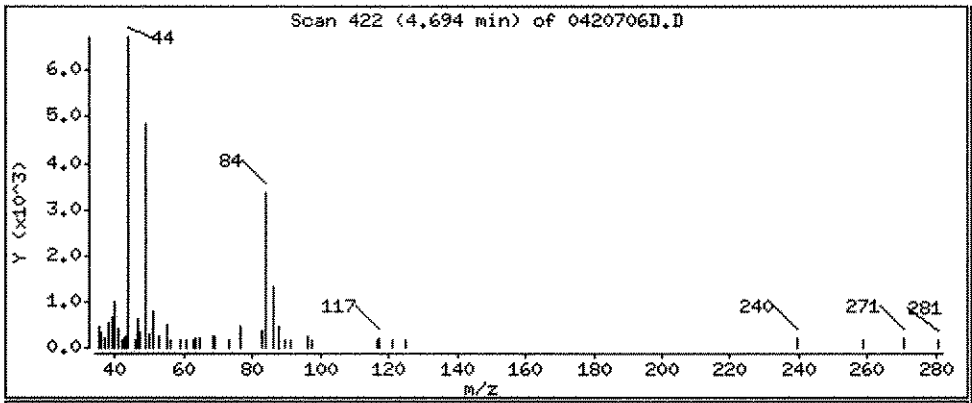
Operator: ADM

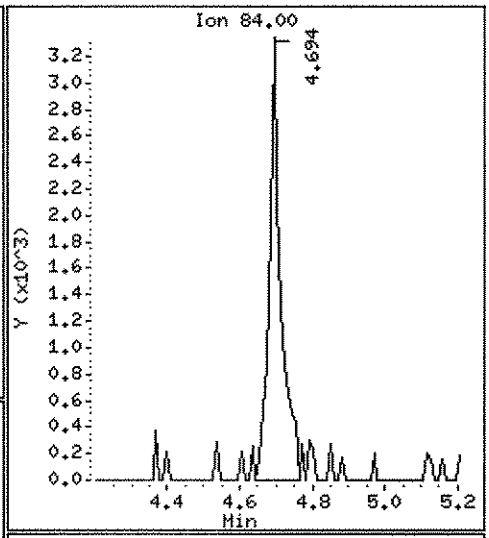
Column phase: RTX-VRX

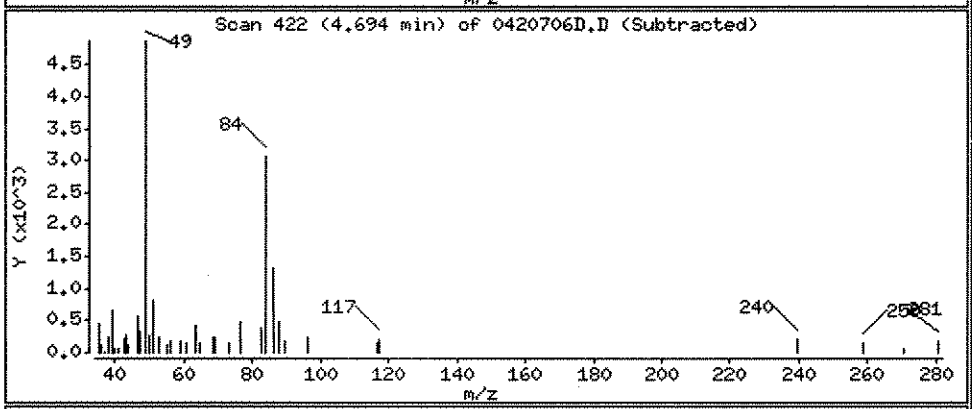
Column diameter: 0.25

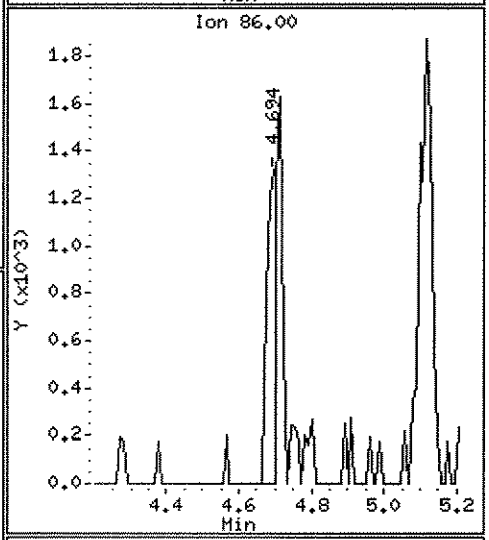
25 Methylene chloride

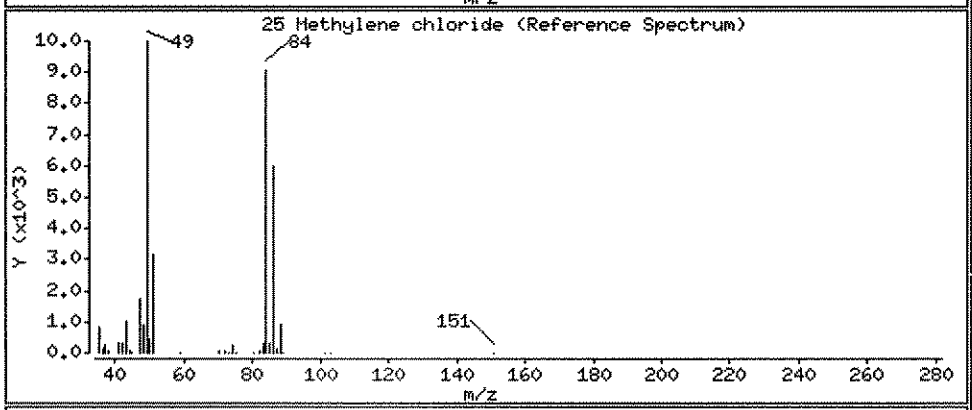
Concentration: 6.630 ug/L

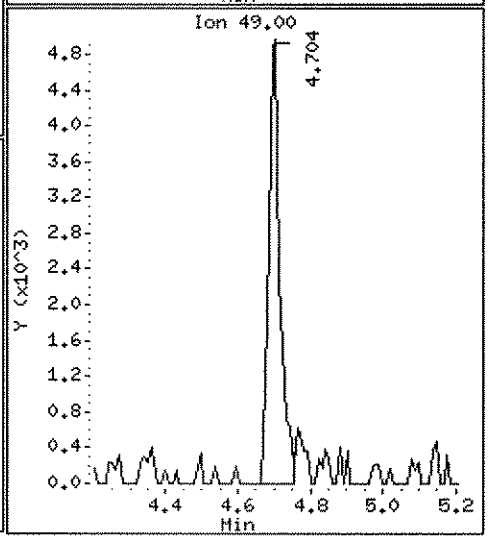


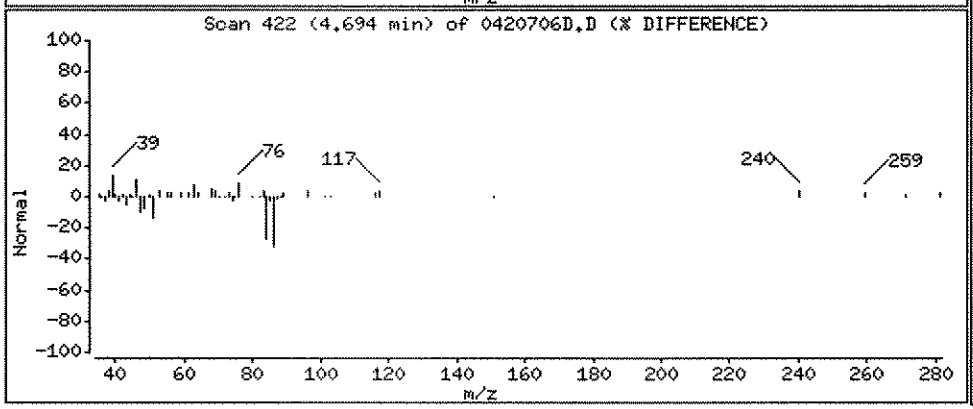












Data File: \\ELABNSH05\TARGET\chem\voa5.i\042311V5.b\0420706D.D

Date : 23-APR-2011 21:41

Client ID: OLF54 MW29D

Instrument: voa5.i

Sample Info: 1104207-06:10;;;;

Purge Volume: 5.0

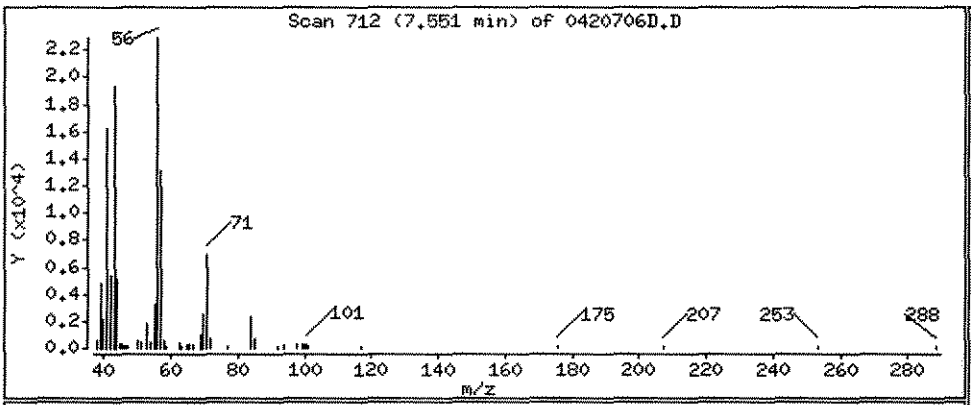
Operator: ADM

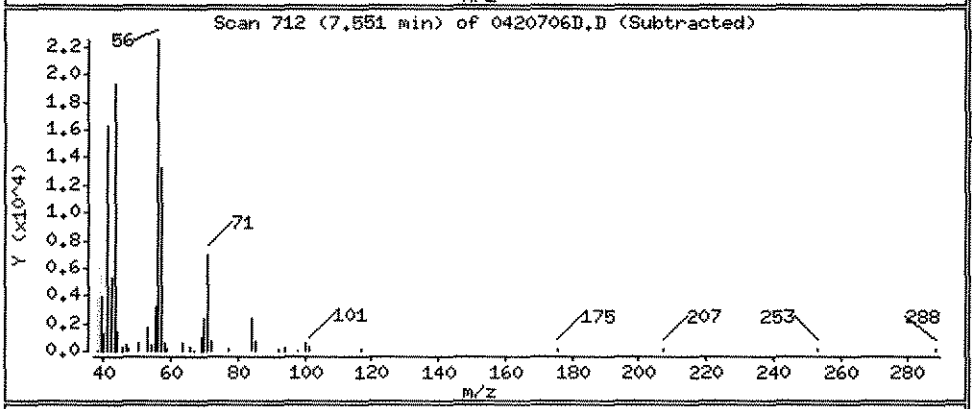
Column phase: RTX-VRX

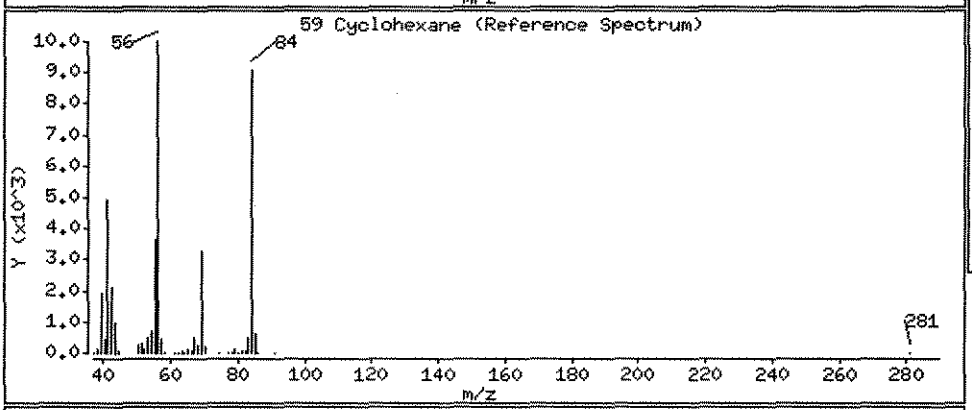
Column diameter: 0.25

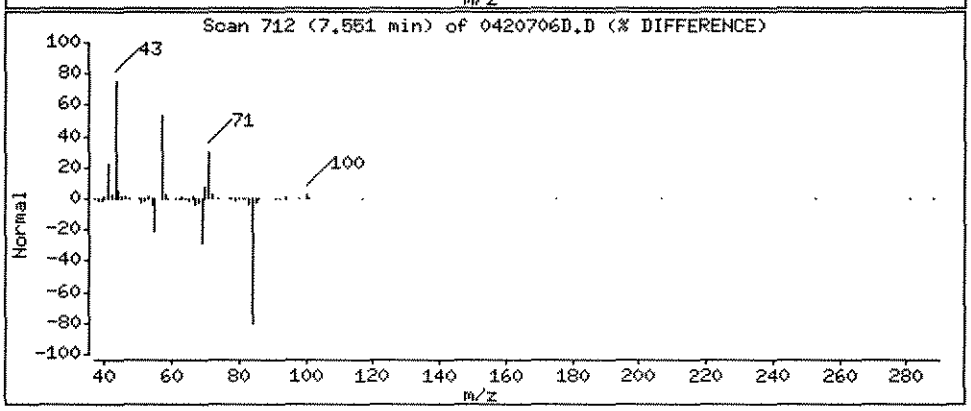
59 Cyclohexane

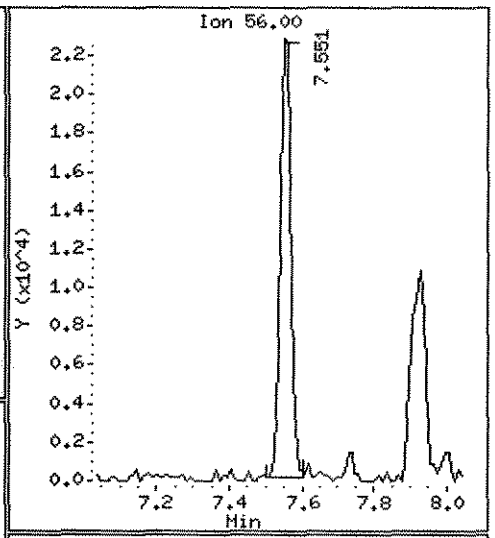
Concentration: 25.74 ug/L

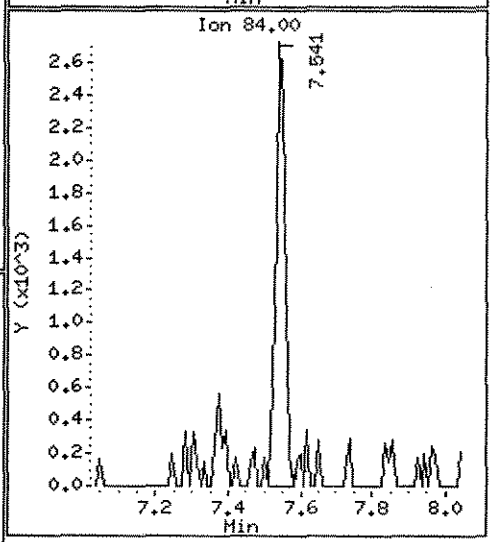












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Date : 23-APR-2011 21:41

Client ID: OLF54 MW29D

Instrument: voa5.i

Sample Info: 1104207-06;10;;;;

Purge Volume: 5.0

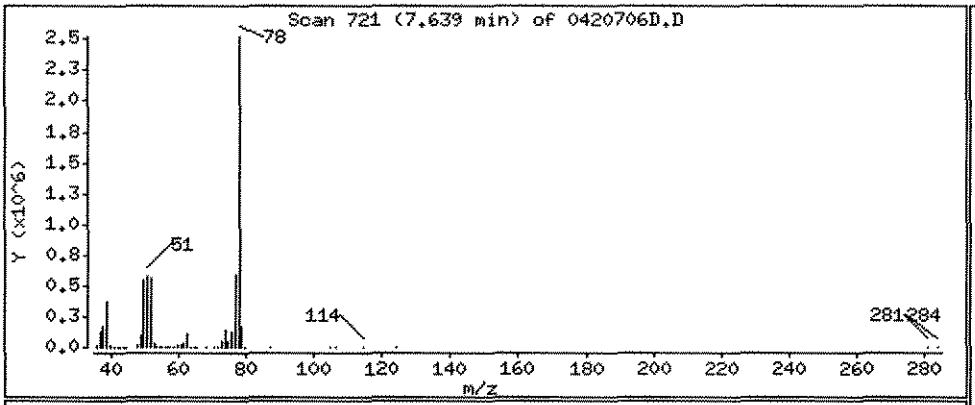
Operator: ADM

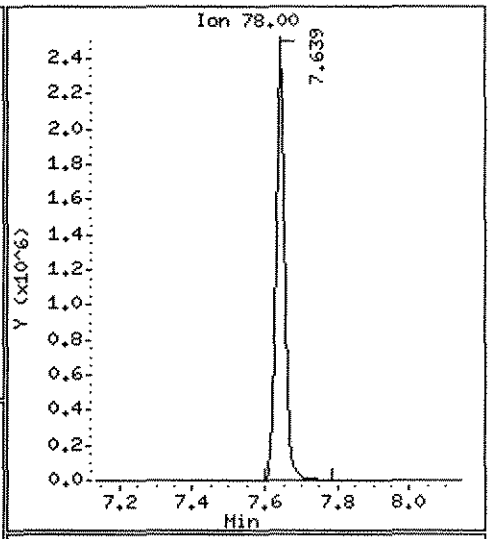
Column phase: RTX-VRX

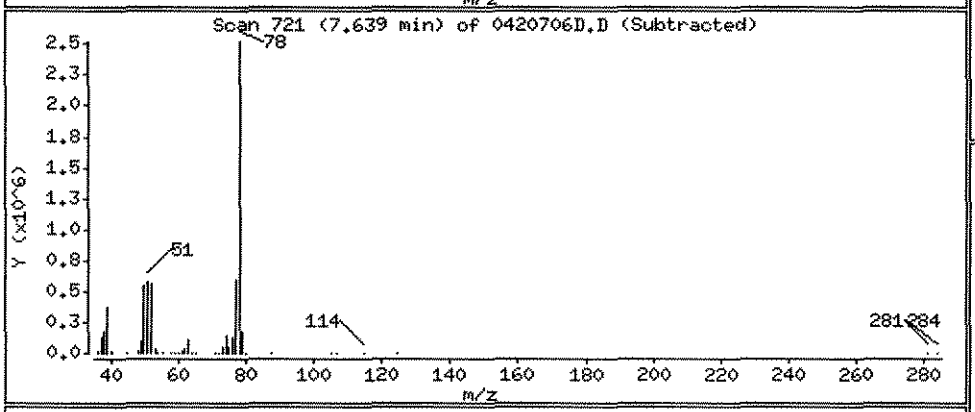
Column diameter: 0.25

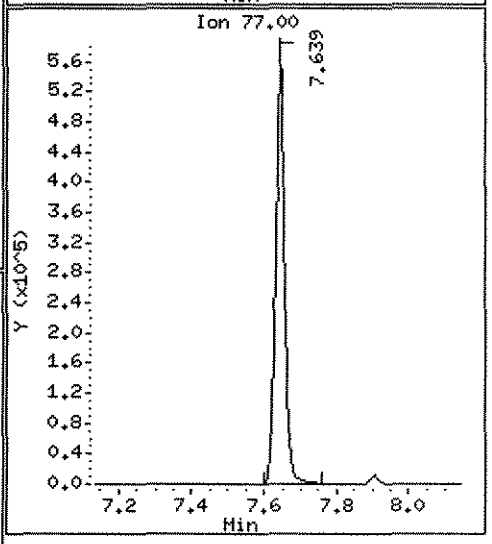
61 Benzene

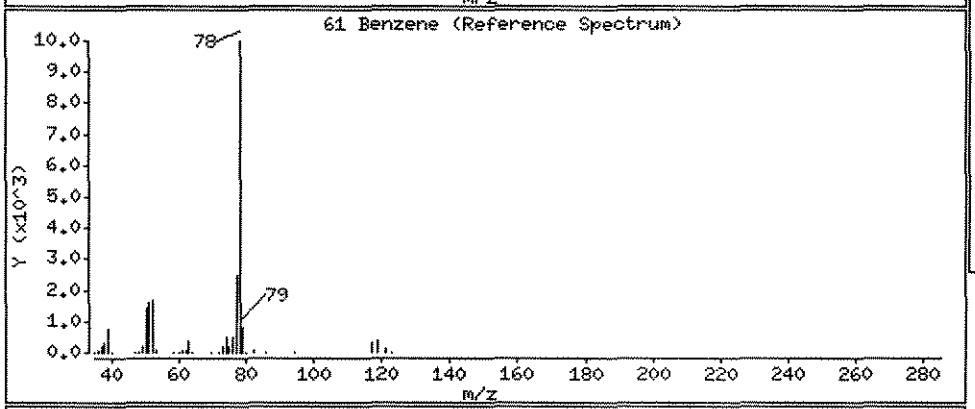
Concentration: 1265 ug/L

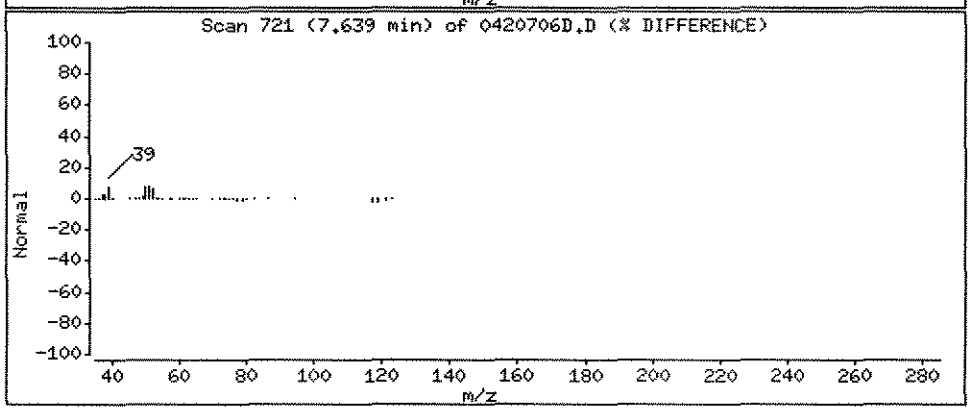












Data File: \\ELABNSH05\TARGET\chem\voa5.i\042311V5.b\0420706D.D

Date : 23-APR-2011 21:41

Client ID: OLF54 MW29D

Instrument: voa5.i

Sample Info: 1104207-06;10;;;;

Purge Volume: 5.0

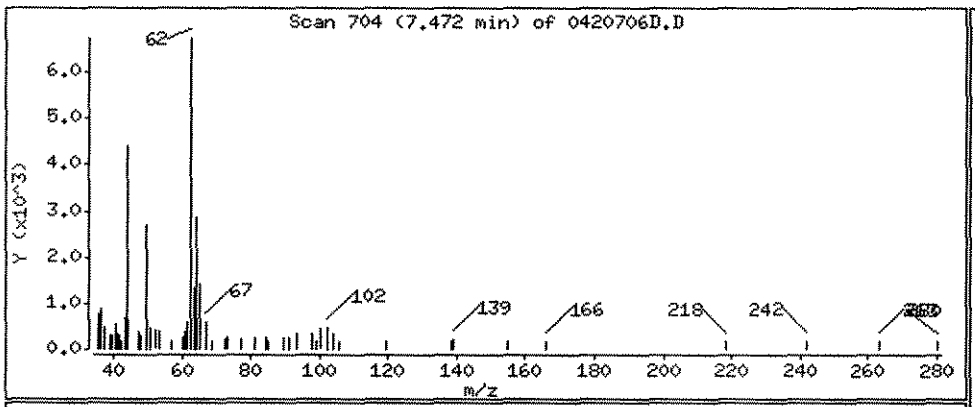
Operator: ADM

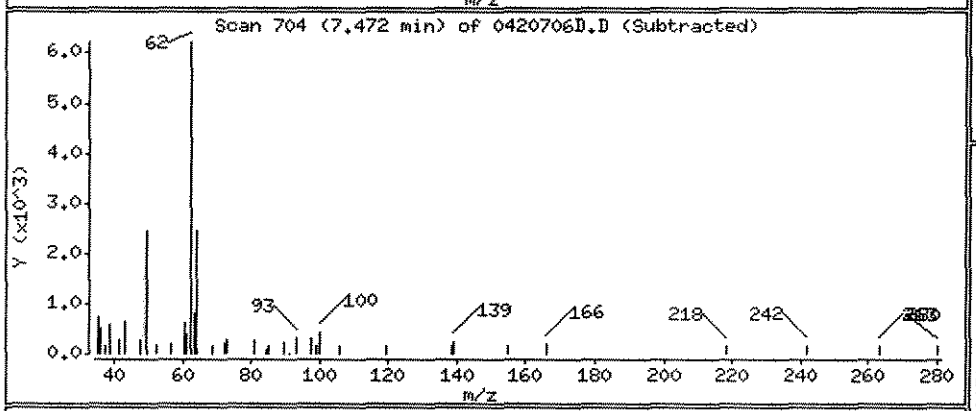
Column phase: RTX-VRX

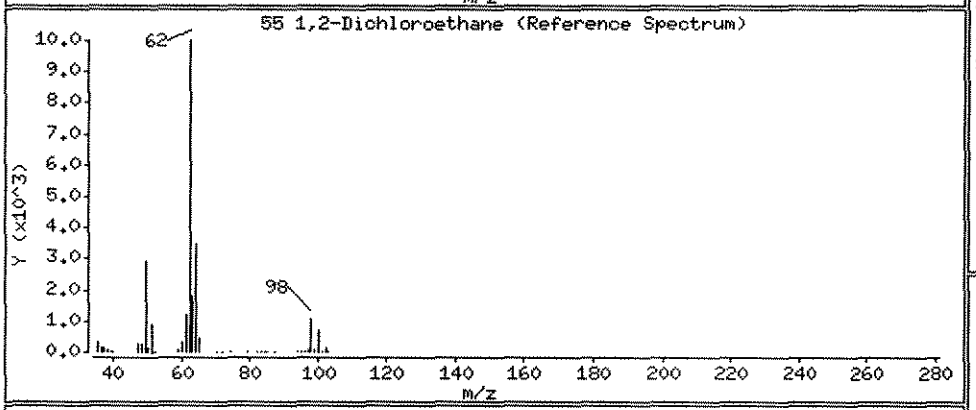
Column diameter: 0.25

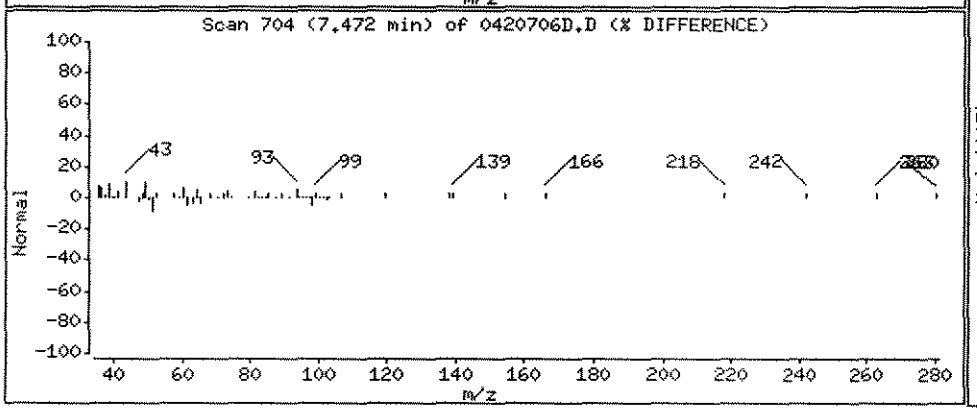
55 1,2-Dichloroethane

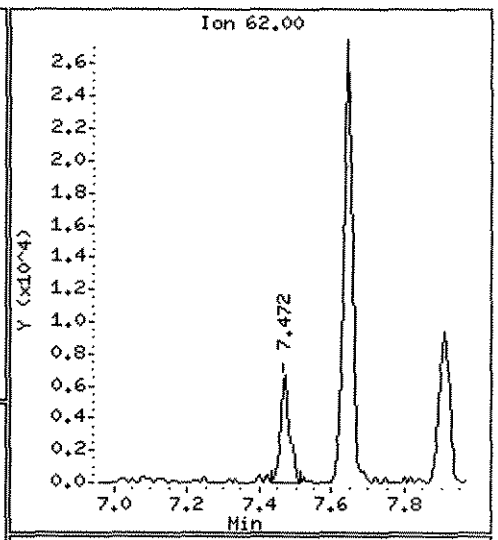
Concentration: 8.505 ug/L

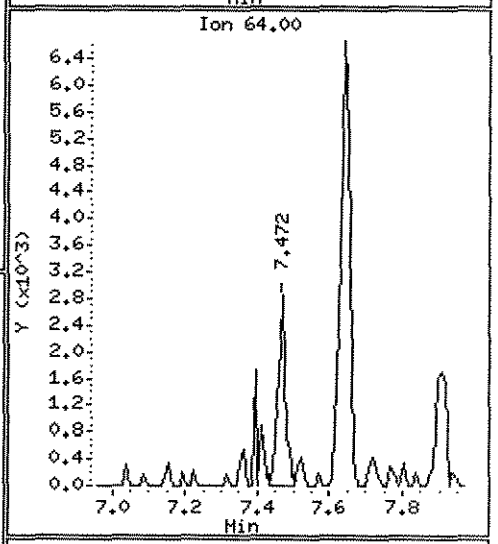


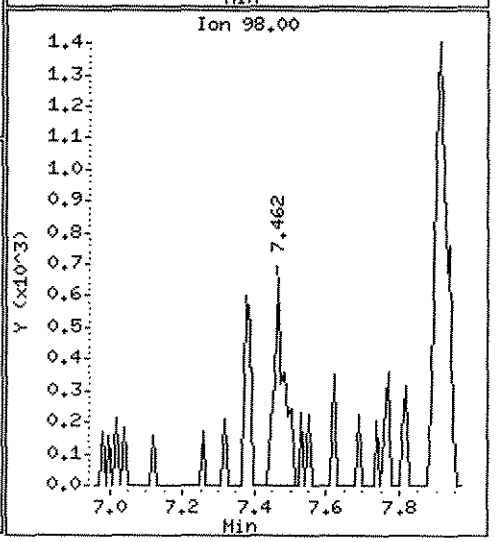












Data File: \\ELABNSH05\TARGET\chem\voa5.i\042311V5.b\0420706D.D

Date : 23-APR-2011 21:41

Client ID: OLF54 MW29D

Instrument: voa5.i

Sample Info: 1104207-06;10;;;;

Purge Volume: 5.0

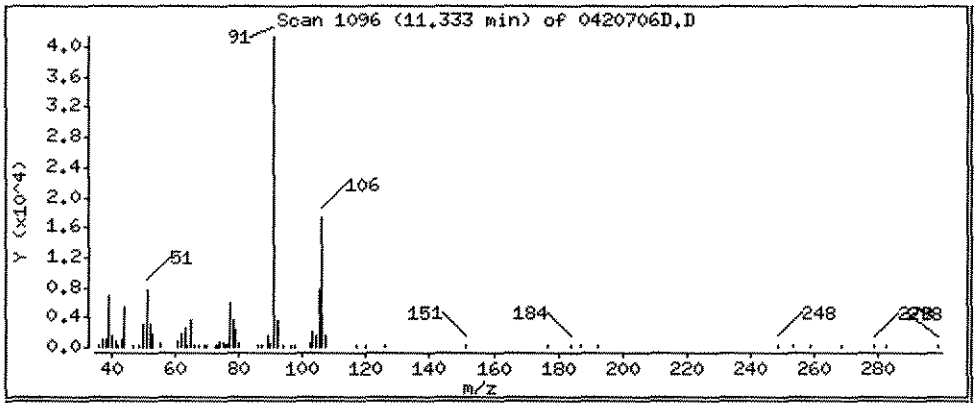
Operator: ADM

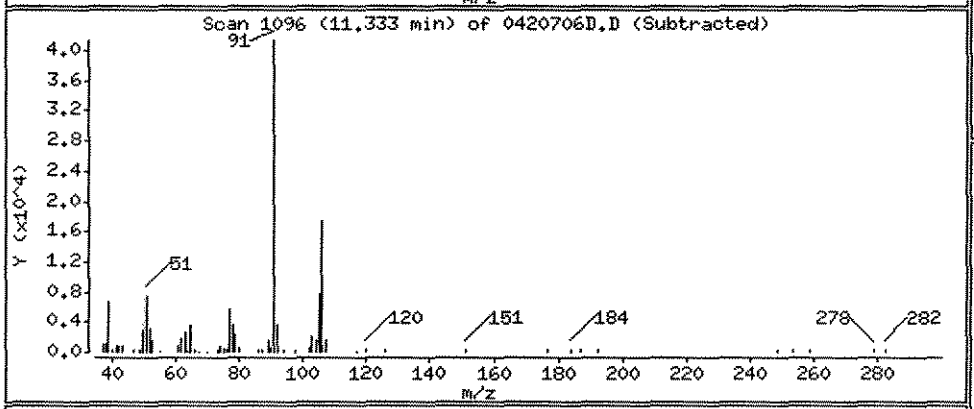
Column phase: RTX-VRX

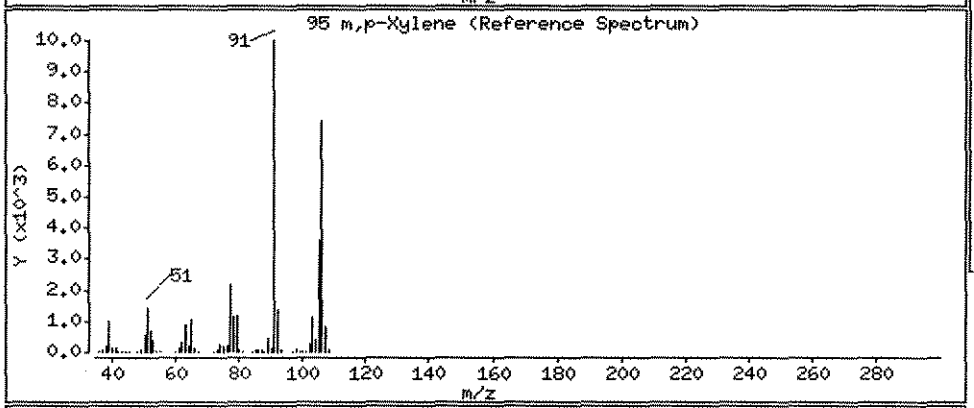
Column diameter: 0.25

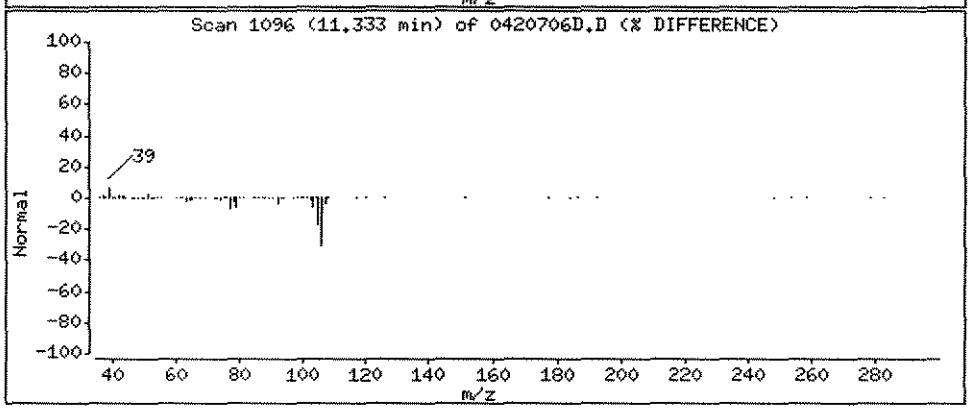
95 m,p-Xylene

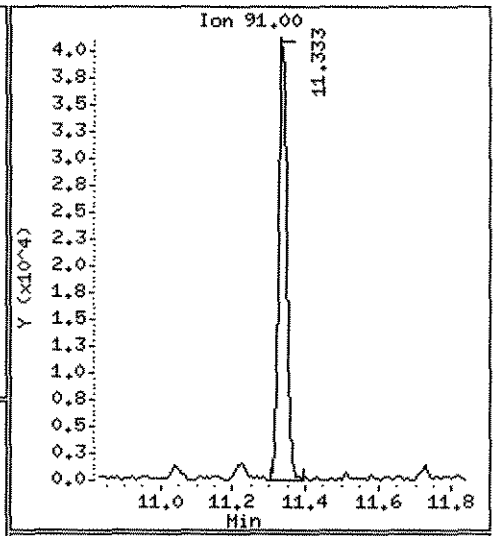
Concentration: 23.56 ug/L

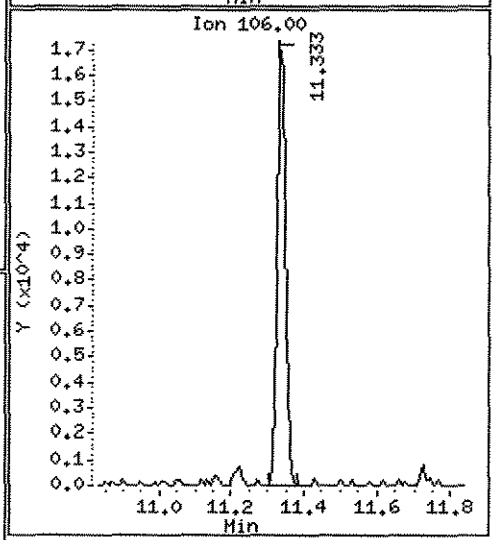












Data File: \\ELABNSH05\TARGET\chem\voa5.i\042311V5.b\0420706D.D

Date : 23-APR-2011 21:41

Client ID: OLF54 MW29D

Instrument: voa5.i

Sample Info: 1104207-06;10;;;;

Purge Volume: 5.0

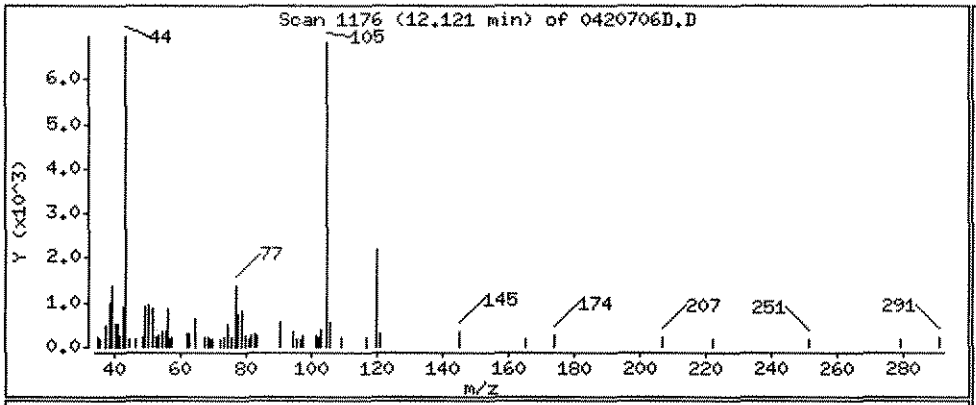
Operator: ADM

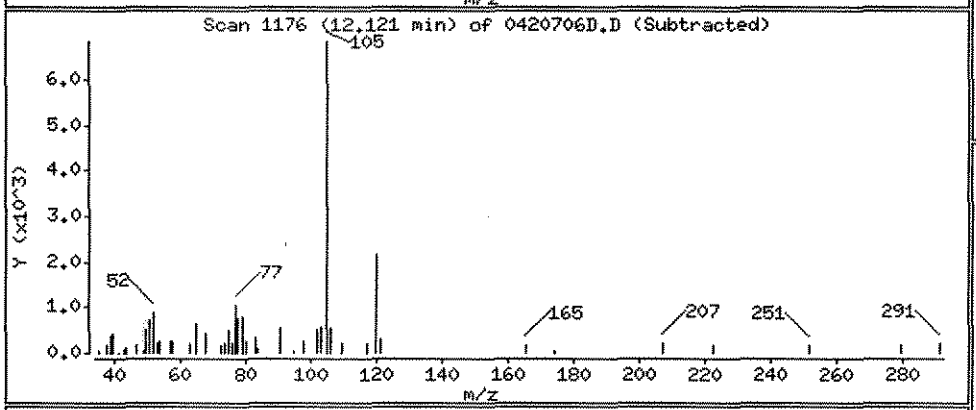
Column phase: RTX-VRX

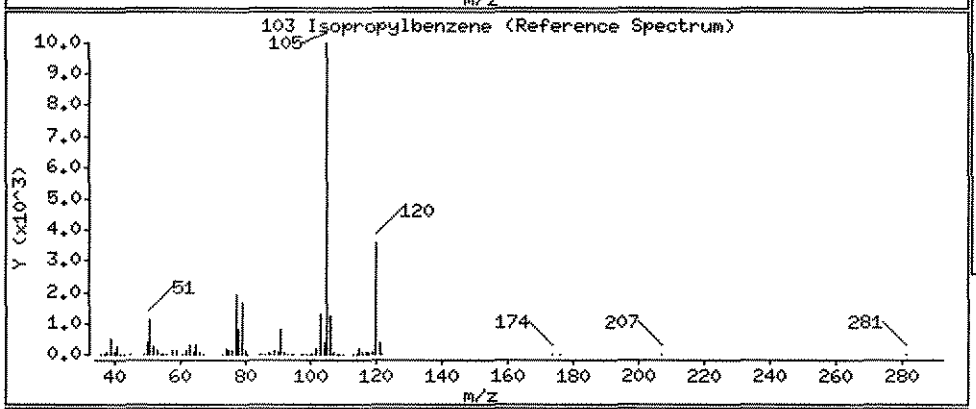
Column diameter: 0.25

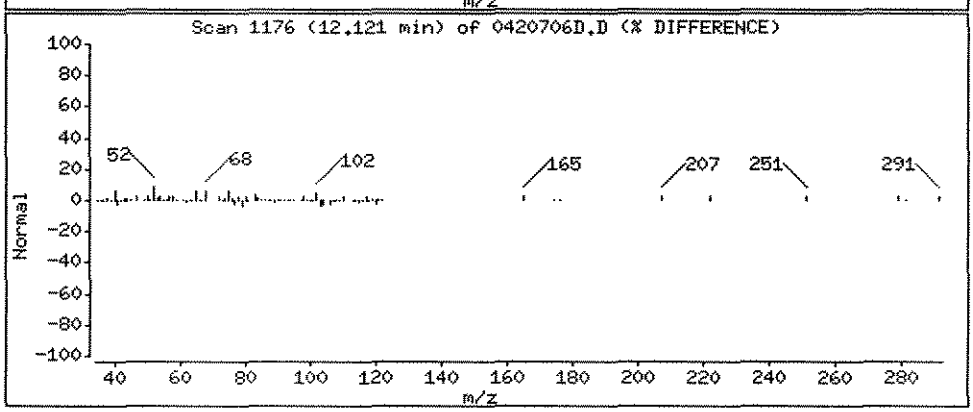
103 Isopropylbenzene

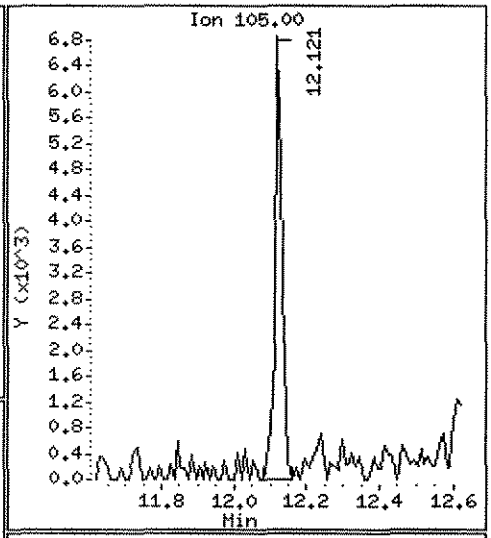
Concentration: 3.474 ug/L

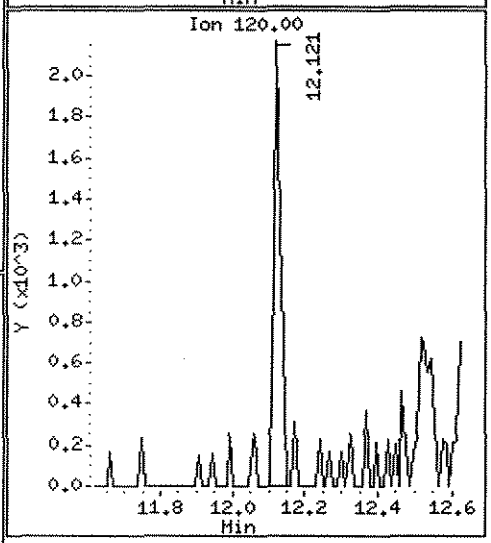












Data File: \\ELABNSH05\TARGET\chem\voa5.i\042311V5.b\0420706D.D

Date : 23-APR-2011 21:41

Client ID: OLF54 MW29D

Instrument: voa5.i

Sample Info: 1104207-06;10;;;;

Purge Volume: 5.0

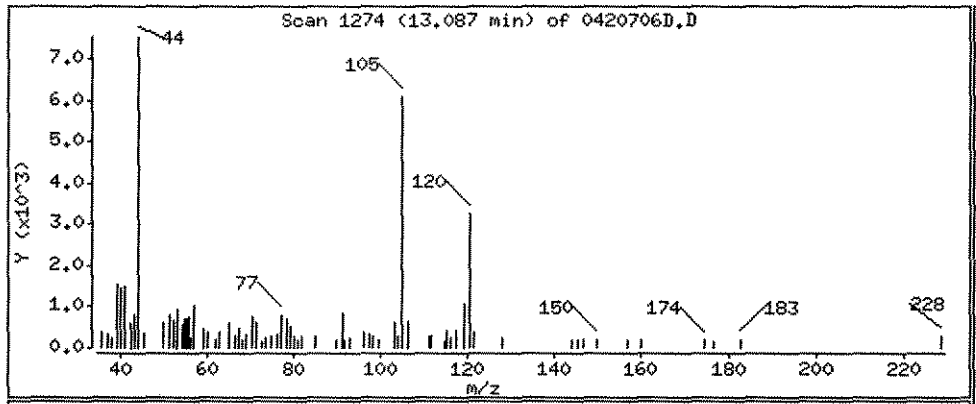
Operator: ADM

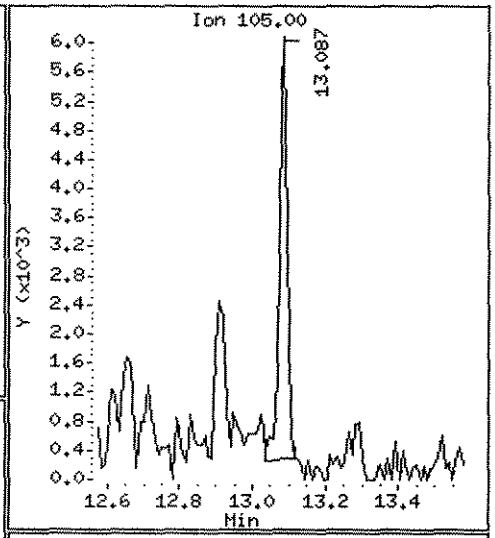
Column phase: RTX-VRX

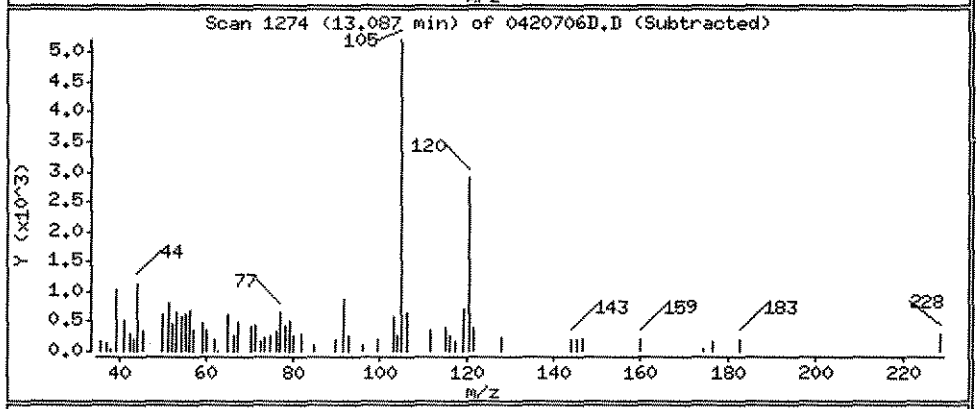
Column diameter: 0.25

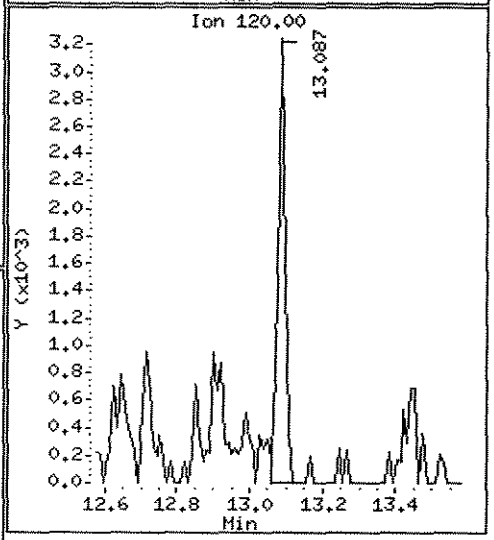
111 1,2,4-Trimethylbenzene

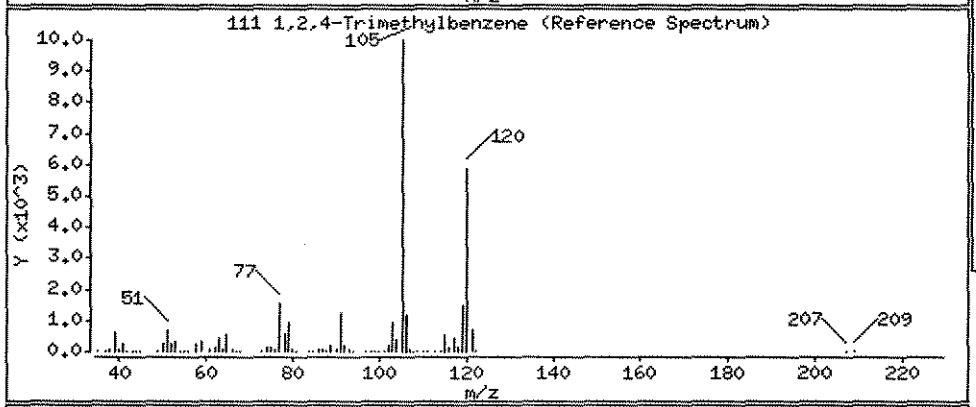
Concentration: 3.900 ug/L

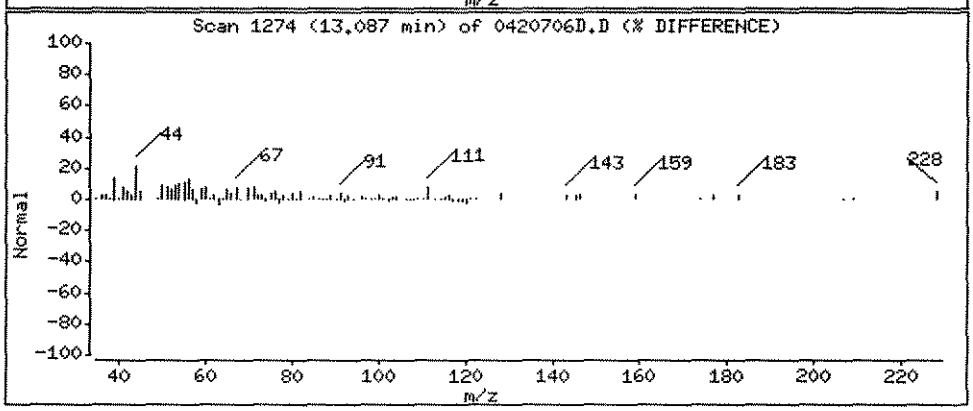












Data File: \\ELABNSH05\TARGET\chem\voa5.i\042311V5.b\0420706D.D

Date : 23-APR-2011 21:41

Client ID: OLF54 MW29D

Instrument: voa5.i

Sample Info: 1104207-06;10;;;;

Purge Volume: 5.0

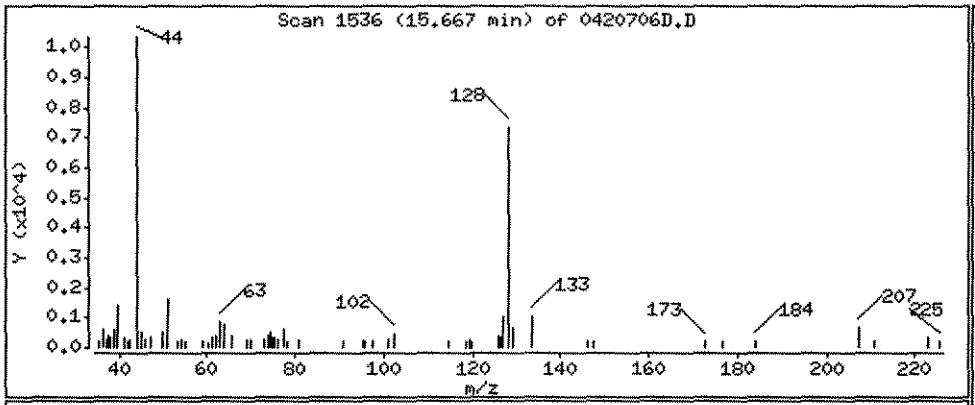
Operator: ADM

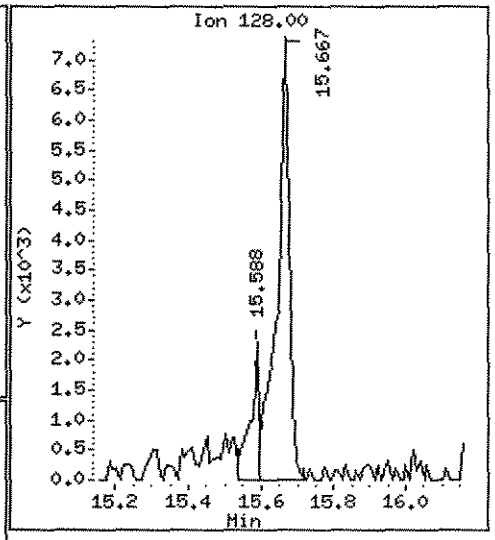
Column phase: RTX-VRX

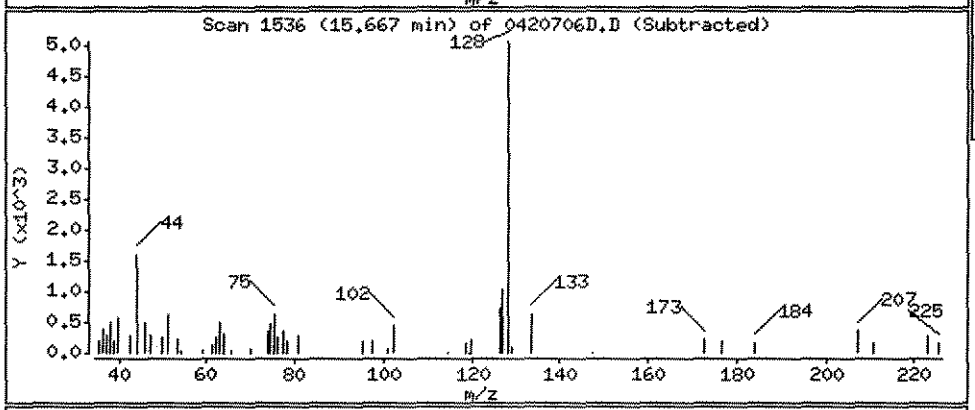
Column diameter: 0.25

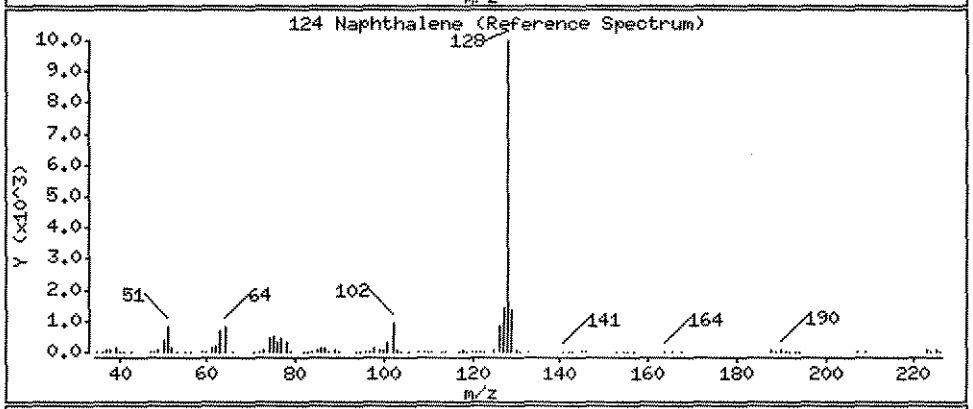
124 Naphthalene

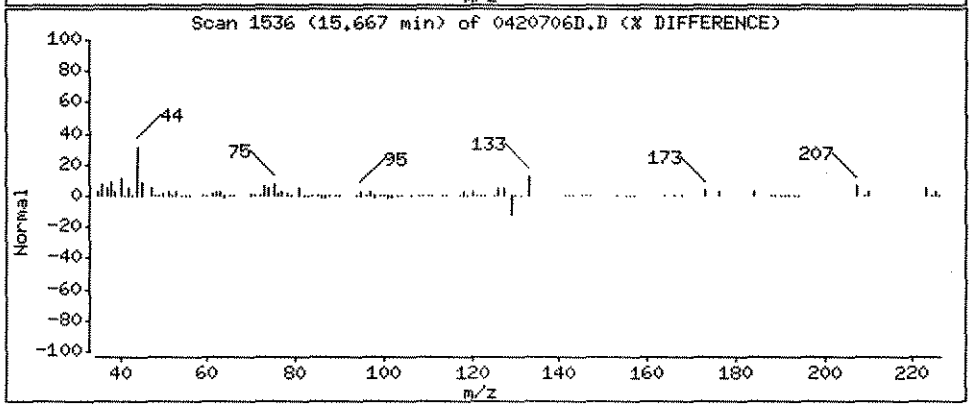
Concentration: 8.736 ug/L











PREPARATION BENCH SHEET

1D22008

Empirical Laboratories, LLC

Instrument: VOA5

Printed: 4/28/2011 11:54:36AM

Matrix: Water **Prepared using: MS - 5030B** **Surrogate used: 11A0564**

Lab Number	Cont ID	Analysis	Prepared	Initial (mL)	Final (mL)	Spike ID	Source ID	ul Spike	ul Surrogate	PH	Client	Extraction Comments
1104181-05RE1	C	VOC_8260B_REG	04/22/2011	5	5				1	2	Shaw E & I (I700)	RR 25x-cis-1,2-dce -ADM
1104184-01RE1	C	VOC_8260B_REG	04/22/2011	5	5				1	2	Shaw E & I (I700)	RR 20x-carbontet.-ADM
1104184-04	A	VOC_8260B_REG	04/22/2011	5	5				1	2	Shaw E & I (I700)	See version
1104185-01RE1	C	VOC_8260B_REG	04/22/2011	5	5				1	2	Shaw E & I (I700)	RR 100x > TCE -ADM
1104185-05	A	VOC_8260B_REG	04/22/2011	5	5				1	2	Shaw E & I (I700)	MS/MSD
1104187-01	B	VOC_8260B_REG	04/22/2011	5	5				1	2	Tetra Tech NUS, Inc. (T010)	
1104187-02	B	VOC_8260B_REG	04/22/2011	5	5				1	2	Tetra Tech NUS, Inc. (T010)	
1104187-03	B	VOC_8260B_REG	04/22/2011	5	5				1	2	Tetra Tech NUS, Inc. (T010)	D.5x per screen.
1104187-04	B	VOC_8260B_REG	04/22/2011	5	5				1	2	Tetra Tech NUS, Inc. (T010)	D.2x per screen.
1104187-06	B	VOC_8260B_REG	04/22/2011	5	5				1		Tetra Tech NUS, Inc. (T010)	D.10x per screen.
1104188-01	B	VOC_8260B_REG	04/22/2011	5	5				1	2	Shaw E & I (I700)	
1104188-03	B	VOC_8260B_REG	04/22/2011	5	5				1	2	Shaw E & I (I700)	D.10x per screen.
1104188-05	A	VOC_8260B_REG	04/22/2011	5	5				1	2	Shaw E & I (I700)	
1104189-01	B	VOC_8260B_REG	04/22/2011	5	5				1	2	Tetra Tech NUS, Inc. (T010)	BTEX & MTBE
1104189-02	B	VOC_8260B_REG	04/22/2011	5	5				1	2	Tetra Tech NUS, Inc. (T010)	BTEX & MTBE
1104189-03	B	VOC_8260B_REG	04/22/2011	5	5				1	2	Tetra Tech NUS, Inc. (T010)	BTEX & MTBE
1104189-04	B	VOC_8260B_REG	04/22/2011	5	5				1	2	Tetra Tech NUS, Inc. (T010)	BTEX & MTBE
1104191-01	B	VOC_8260B_REG	04/22/2011	5	5				1	2	Tetra Tech NUS, Inc. (T010)	BTEX & MTBE
1104191-02	B	VOC_8260B_REG	04/22/2011	5	5				1	2	Tetra Tech NUS, Inc. (T010)	BTEX & MTBE
1104191-03	B	VOC_8260B_REG	04/22/2011	5	5				1	2	Tetra Tech NUS, Inc. (T010)	BTEX & MTBE
1104207-11	A	VOC_8260B_REG	04/22/2011	5	5				1		Tetra Tech NUS, Inc. (T010)	
1D22008-BLK1		QC	04/22/2011	5	5				1			

Spiking Witnessed By Date

Preparation Reviewed By Date

Extracts Received By Date

280

CTOJM29_002

PREPARATION BENCH SHEET

1D22008

Empirical Laboratories, LLC

Instrument: VOA5

Printed: 4/28/2011 11:54:36AM

Matrix: Water **Prepared using: MS - 5030B** **Surrogate used: 11A0564**

Lab Number	Cont ID	Analysis	Prepared	Initial (mL)	Final (mL)	Spike ID	Source ID	ul Spike	ul Surrogate	PH	Client	Extraction Comments
1D22008-BS1		QC	04/22/2011	5	5	11D0477		2.5	1			
1D22008-MS1		QC	04/22/2011	5	5	11D0477	1104185-05	2.5	1			
1D22008-MSD1		QC	04/22/2011	5	5	11D0477	1104185-05	2.5	1			

Spiking Witnessed By Date

Preparation Reviewed By Date

Extracts Received By Date

281

CTOJM29_002

PREPARATION BENCH SHEET

1D22024

Empirical Laboratories, LLC

Instrument: VOA5

Printed: 5/2/2011 1:24:18PM

Matrix: Water **Prepared using: MS - 5030B** **Surrogate used: 11A0564**

Lab Number	Cont ID	Analysis	Prepared	Initial (mL)	Final (mL)	Spike ID	Source ID	ul Spike	ul Surrogate	PH	Client	Extraction Comments
1104207-03	B	VOC_8260B_REG	04/22/2011	5	5				1	2	Tetra Tech NUS, Inc. (T010)	
1104207-04	B	VOC_8260B_REG	04/22/2011	5	5				1	2	Tetra Tech NUS, Inc. (T010)	
1104207-05	C	VOC_8260B_REG	04/22/2011	5	5				1	2	Tetra Tech NUS, Inc. (T010)	
1104207-06	B	VOC_8260B_REG	04/22/2011	5	5				1	2	Tetra Tech NUS, Inc. (T010)	
1104207-07	B	VOC_8260B_REG	04/22/2011	5	5				1	2	Tetra Tech NUS, Inc. (T010)	
1104207-08	B	VOC_8260B_REG	04/22/2011	5	5				1	2	Tetra Tech NUS, Inc. (T010)	
1104207-09	B	VOC_8260B_REG	04/22/2011	5	5				1	2	Tetra Tech NUS, Inc. (T010)	
1104209-01	B	VOC_6200B	04/22/2011	5	5				1	2	GRI	
1104210-01	B	VOC_8260B_REG	04/22/2011	5	5				1	2	Tetra Tech NUS, Inc. (T010)	BTEX & MTBE
1104210-02	B	VOC_624	04/22/2011	5	5				1		Tetra Tech NUS, Inc. (T010)	Added for BatchQC in: 1D22024
1104210-02	B	VOC_6200B	04/22/2011	5	5				1		Tetra Tech NUS, Inc. (T010)	Added for BatchQC in: 1D22024
1104210-02	B	VOC_8260B_REG	04/22/2011	5	5				1	2	Tetra Tech NUS, Inc. (T010)	BTEX & MTBE
1104210-03	B	VOC_8260B_REG	04/22/2011	5	5				1	2	Tetra Tech NUS, Inc. (T010)	BTEX & MTBE
1104210-04	B	VOC_8260B_REG	04/22/2011	5	5				1	2	Tetra Tech NUS, Inc. (T010)	BTEX & MTBE
1104211-01	C	VOC_6200B	04/22/2011	5	5				1	2	Resolve Environmental Servi	
1104211-02	D	VOC_6200B	04/22/2011	5	5				1	2	Resolve Environmental Servi	
1104211-03	D	VOC_6200B	04/22/2011	5	5				1	2	Resolve Environmental Servi	
1104211-04	A	VOC_6200B	04/22/2011	5	5				1	2	Resolve Environmental Servi	
1104211-05	A	VOC_6200B	04/22/2011	5	5				1	2	Resolve Environmental Servi	
1104211-06	A	VOC_6200B	04/22/2011	5	5				1	2	Resolve Environmental Servi	
1104211-07	A	VOC_6200B	04/22/2011	5	5				1	2	Resolve Environmental Servi	
1104211-08	A	VOC_6200B	04/22/2011	5	5				1	2	Resolve Environmental Servi	

Spiking Witnessed By Date

Preparation Reviewed By Date

Extracts Received By Date

282

CTOJM29_002

PREPARATION BENCH SHEET

1D22024

Empirical Laboratories, LLC

Instrument: VOA5

Printed: 5/2/2011 1:24:18PM

283

Matrix: Water **Prepared using: MS - 5030B** **Surrogate used: 11A0564**

Lab Number	Cont ID	Analysis	Prepared	Initial (mL)	Final (mL)	Spike ID	Source ID	ul Spike	ul Surrogate	PH	Client	Extraction Comments
1104244-02	A	VOC_624	04/22/2011	5	5				1		Cawthorne Engineering Co., I	
1104244-03	A	VOC_624	04/22/2011	5	5				1		Cawthorne Engineering Co., I	
1104244-04	A	VOC_624	04/22/2011	5	5				1		Cawthorne Engineering Co., I	
1104244-05	A	VOC_624	04/22/2011	5	5				1		Cawthorne Engineering Co., I	
1104244-06	A	VOC_624	04/22/2011	5	5				1		Cawthorne Engineering Co., I	
1104245-02	A	VOC_624	04/22/2011	5	5				1		Cawthorne Engineering Co., I	
1104245-03	A	VOC_624	04/22/2011	5	5				1		Cawthorne Engineering Co., I	
1104245-04	A	VOC_624	04/22/2011	5	5				1		Cawthorne Engineering Co., I	
1104245-05	A	VOC_624	04/22/2011	5	5				1		Cawthorne Engineering Co., I	
1104245-06	A	VOC_624	04/22/2011	5	5				1		Cawthorne Engineering Co., I	
1D22024-BLK1		QC	04/22/2011	5	5				1			
1D22024-BLK2		QC	04/22/2011	5	5				1			
1D22024-BS1		QC	04/22/2011	5	5	11D0477		2.5	1			
1D22024-BS2		QC	04/22/2011	5	5	11D0477		1	1			
1D22024-MS1		QC	04/22/2011	5	5	11D0477	1104210-02	2.5	1			
1D22024-MSD1		QC	04/22/2011	5	5	11D0477	1104210-02	2.5	1			

Spiking Witnessed By Date

Preparation Reviewed By Date

Extracts Received By Date

CTOJM29_002

Data for SW8270C (PAH) Forms

ANALYSIS DATA SHEET

OLFS4 MW14D

Laboratory: Empirical Laboratories, LLC SDG: CTOJM29_002

Client: Tetra Tech NUS, Inc. (T010) Project: Saufley Field Site 4 CTOJM29

Matrix: Ground Water Laboratory ID: 1104207-03 File ID: 0420703.D

Sampled: 04/15/11 06:43 Prepared: 04/20/11 15:50 Analyzed: 04/25/11 23:34

Solids: Preparation: EXT_3510 Dilution: 1

Batch: 1D19023 Sequence: 1D11612 Calibration: 1112002 Instrument: MS-BNA4

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene		0.0463	0.0926	0.185	U
208-96-8	Acenaphthylene		0.0463	0.0926	0.185	U
120-12-7	Anthracene		0.0463	0.0926	0.185	U
56-55-3	Benzo(a)anthracene		0.0463	0.0926	0.185	U
50-32-8	Benzo(a)pyrene		0.0463	0.0926	0.185	U
205-99-2	Benzo(b)fluoranthene		0.0463	0.0926	0.185	U
191-24-2	Benzo(g,h,i)perylene		0.0463	0.0926	0.185	U
207-08-9	Benzo(k)fluoranthene		0.0463	0.0926	0.185	U
218-01-9	Chrysene		0.0463	0.0926	0.185	U
53-70-3	Dibenz(a,h)anthracene		0.0463	0.0926	0.185	U
206-44-0	Fluoranthene		0.0463	0.0926	0.185	U
86-73-7	Fluorene		0.0463	0.0926	0.185	U
193-39-5	Indeno(1,2,3-cd)pyrene		0.0463	0.0926	0.185	U
90-12-0	1-Methylnaphthalene		0.0463	0.0926	0.185	U
91-57-6	2-Methylnaphthalene	0.0739	0.0463	0.0926	0.185	I
91-20-3	Naphthalene		0.0463	0.0926	0.185	U
85-01-8	Phenanthrene		0.0463	0.0926	0.185	U
129-00-0	Pyrene		0.0463	0.0926	0.185	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	46.30	37.69	81.4	34 - 167	
Terphenyl-d14	46.30	43.50	94.0	34 - 167	

ANALYSIS DATA SHEET

FD04151101

Laboratory: Empirical Laboratories, LLC SDG: CTOJM29_002

Client: Tetra Tech NUS, Inc. (T010) Project: Saufley Field Site 4 CTOJM29

Matrix: Ground Water Laboratory ID: 1104207-04 File ID: 0420704.D

Sampled: 04/15/11 00:00 Prepared: 04/20/11 15:50 Analyzed: 04/25/11 23:59

Solids: Preparation: EXT_3510 Dilution: 1

Batch: 1D19023 Sequence: 1D11612 Calibration: 1112002 Instrument: MS-BNA4

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene		0.0463	0.0926	0.185	U
208-96-8	Acenaphthylene		0.0463	0.0926	0.185	U
120-12-7	Anthracene		0.0463	0.0926	0.185	U
56-55-3	Benzo(a)anthracene		0.0463	0.0926	0.185	U
50-32-8	Benzo(a)pyrene		0.0463	0.0926	0.185	U
205-99-2	Benzo(b)fluoranthene		0.0463	0.0926	0.185	U
191-24-2	Benzo(g,h,i)perylene		0.0463	0.0926	0.185	U
207-08-9	Benzo(k)fluoranthene		0.0463	0.0926	0.185	U
218-01-9	Chrysene		0.0463	0.0926	0.185	U
53-70-3	Dibenz(a,h)anthracene		0.0463	0.0926	0.185	U
206-44-0	Fluoranthene		0.0463	0.0926	0.185	U
86-73-7	Fluorene		0.0463	0.0926	0.185	U
193-39-5	Indeno(1,2,3-cd)pyrene		0.0463	0.0926	0.185	U
90-12-0	1-Methylnaphthalene		0.0463	0.0926	0.185	U
91-57-6	2-Methylnaphthalene	0.0754	0.0463	0.0926	0.185	I
91-20-3	Naphthalene		0.0463	0.0926	0.185	U
85-01-8	Phenanthrene		0.0463	0.0926	0.185	U
129-00-0	Pyrene		0.0463	0.0926	0.185	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	46.30	40.51	87.5	34 - 167	
Terphenyl-d14	46.30	43.96	95.0	34 - 167	

ANALYSIS DATA SHEET

OLFS4 MW31S

Laboratory: Empirical Laboratories, LLC SDG: CTOJM29_002

Client: Tetra Tech NUS, Inc. (T010) Project: Saufley Field Site 4 CTOJM29

Matrix: Ground Water Laboratory ID: 1104207-05 File ID: 0420705.D

Sampled: 04/15/11 08:10 Prepared: 04/20/11 15:50 Analyzed: 04/26/11 00:24

Solids: Preparation: EXT_3510 Dilution: 1

Batch: 1D19023 Sequence: 1D11612 Calibration: 1112002 Instrument: MS-BNA4

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene		0.0463	0.0926	0.185	U
208-96-8	Acenaphthylene		0.0463	0.0926	0.185	U
120-12-7	Anthracene		0.0463	0.0926	0.185	U
56-55-3	Benzo(a)anthracene		0.0463	0.0926	0.185	U
50-32-8	Benzo(a)pyrene		0.0463	0.0926	0.185	U
205-99-2	Benzo(b)fluoranthene		0.0463	0.0926	0.185	U
191-24-2	Benzo(g,h,i)perylene		0.0463	0.0926	0.185	U
207-08-9	Benzo(k)fluoranthene		0.0463	0.0926	0.185	U
218-01-9	Chrysene		0.0463	0.0926	0.185	U
53-70-3	Dibenz(a,h)anthracene		0.0463	0.0926	0.185	U
206-44-0	Fluoranthene		0.0463	0.0926	0.185	U
86-73-7	Fluorene		0.0463	0.0926	0.185	U
193-39-5	Indeno(1,2,3-cd)pyrene		0.0463	0.0926	0.185	U
90-12-0	1-Methylnaphthalene	0.0661	0.0463	0.0926	0.185	I
91-57-6	2-Methylnaphthalene	0.0638	0.0463	0.0926	0.185	I
91-20-3	Naphthalene	0.143	0.0463	0.0926	0.185	I
85-01-8	Phenanthrene		0.0463	0.0926	0.185	U
129-00-0	Pyrene		0.0463	0.0926	0.185	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	46.30	40.31	87.1	34 - 167	
Terphenyl-d14	46.30	45.39	98.1	34 - 167	

ANALYSIS DATA SHEET

OLFS4 MW29D

Laboratory: Empirical Laboratories, LLC SDG: CTOJM29_002

Client: Tetra Tech NUS, Inc. (T010) Project: Saufley Field Site 4 CTOJM29

Matrix: Ground Water Laboratory ID: 1104207-06 File ID: 0420706.D

Sampled: 04/15/11 09:23 Prepared: 04/20/11 15:50 Analyzed: 04/26/11 00:49

Solids: Preparation: EXT_3510 Dilution: 1

Batch: 1D19023 Sequence: 1D11612 Calibration: 1112002 Instrument: MS-BNA4

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene		0.0463	0.0926	0.185	U
208-96-8	Acenaphthylene		0.0463	0.0926	0.185	U
120-12-7	Anthracene		0.0463	0.0926	0.185	U
56-55-3	Benzo(a)anthracene		0.0463	0.0926	0.185	U
50-32-8	Benzo(a)pyrene		0.0463	0.0926	0.185	U
205-99-2	Benzo(b)fluoranthene		0.0463	0.0926	0.185	U
191-24-2	Benzo(g,h,i)perylene		0.0463	0.0926	0.185	U
207-08-9	Benzo(k)fluoranthene		0.0463	0.0926	0.185	U
218-01-9	Chrysene		0.0463	0.0926	0.185	U
53-70-3	Dibenz(a,h)anthracene		0.0463	0.0926	0.185	U
206-44-0	Fluoranthene		0.0463	0.0926	0.185	U
86-73-7	Fluorene		0.0463	0.0926	0.185	U
193-39-5	Indeno(1,2,3-cd)pyrene		0.0463	0.0926	0.185	U
90-12-0	1-Methylnaphthalene	0.0656	0.0463	0.0926	0.185	I
91-57-6	2-Methylnaphthalene	0.0848	0.0463	0.0926	0.185	I
91-20-3	Naphthalene		0.0463	0.0926	0.185	U
85-01-8	Phenanthrene		0.0463	0.0926	0.185	U
129-00-0	Pyrene		0.0463	0.0926	0.185	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	46.30	42.66	92.1	34 - 167	
Terphenyl-d14	46.30	43.25	93.4	34 - 167	

ANALYSIS DATA SHEET

OLFS4 MW02D

Laboratory: Empirical Laboratories, LLC SDG: CTOJM29_002

Client: Tetra Tech NUS, Inc. (T010) Project: Saufley Field Site 4 CTOJM29

Matrix: Ground Water Laboratory ID: 1104207-07 File ID: 0420707.D

Sampled: 04/15/11 10:45 Prepared: 04/20/11 15:50 Analyzed: 04/26/11 01:14

Solids: Preparation: EXT_3510 Dilution: 1

Batch: 1D19023 Sequence: 1D11612 Calibration: 1112002 Instrument: MS-BNA4

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene		0.0481	0.0962	0.192	U
208-96-8	Acenaphthylene		0.0481	0.0962	0.192	U
120-12-7	Anthracene		0.0481	0.0962	0.192	U
56-55-3	Benzo(a)anthracene		0.0481	0.0962	0.192	U
50-32-8	Benzo(a)pyrene		0.0481	0.0962	0.192	U
205-99-2	Benzo(b)fluoranthene		0.0481	0.0962	0.192	U
191-24-2	Benzo(g,h,i)perylene		0.0481	0.0962	0.192	U
207-08-9	Benzo(k)fluoranthene		0.0481	0.0962	0.192	U
218-01-9	Chrysene		0.0481	0.0962	0.192	U
53-70-3	Dibenz(a,h)anthracene		0.0481	0.0962	0.192	U
206-44-0	Fluoranthene		0.0481	0.0962	0.192	U
86-73-7	Fluorene		0.0481	0.0962	0.192	U
193-39-5	Indeno(1,2,3-cd)pyrene		0.0481	0.0962	0.192	U
90-12-0	1-Methylnaphthalene		0.0481	0.0962	0.192	U
91-57-6	2-Methylnaphthalene		0.0481	0.0962	0.192	U
91-20-3	Naphthalene		0.0481	0.0962	0.192	U
85-01-8	Phenanthrene		0.0481	0.0962	0.192	U
129-00-0	Pyrene		0.0481	0.0962	0.192	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	48.08	43.79	91.1	34 - 167	
Terphenyl-d14	48.08	47.28	98.3	34 - 167	

ANALYSIS DATA SHEET

OLFS4 MW03S

Laboratory: Empirical Laboratories, LLC SDG: CTOJM29_002

Client: Tetra Tech NUS, Inc. (T010) Project: Saufley Field Site 4 CTOJM29

Matrix: Ground Water Laboratory ID: 1104207-08 File ID: 0420708.D

Sampled: 04/15/11 11:43 Prepared: 04/20/11 15:50 Analyzed: 04/26/11 01:39

Solids: Preparation: EXT_3510 Dilution: 1

Batch: 1D19023 Sequence: 1D11612 Calibration: 1112002 Instrument: MS-BNA4

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene		0.0467	0.0935	0.187	U
208-96-8	Acenaphthylene		0.0467	0.0935	0.187	U
120-12-7	Anthracene		0.0467	0.0935	0.187	U
56-55-3	Benzo(a)anthracene		0.0467	0.0935	0.187	U
50-32-8	Benzo(a)pyrene		0.0467	0.0935	0.187	U
205-99-2	Benzo(b)fluoranthene		0.0467	0.0935	0.187	U
191-24-2	Benzo(g,h,i)perylene		0.0467	0.0935	0.187	U
207-08-9	Benzo(k)fluoranthene		0.0467	0.0935	0.187	U
218-01-9	Chrysene		0.0467	0.0935	0.187	U
53-70-3	Dibenz(a,h)anthracene		0.0467	0.0935	0.187	U
206-44-0	Fluoranthene		0.0467	0.0935	0.187	U
86-73-7	Fluorene		0.0467	0.0935	0.187	U
193-39-5	Indeno(1,2,3-cd)pyrene		0.0467	0.0935	0.187	U
90-12-0	1-Methylnaphthalene		0.0467	0.0935	0.187	U
91-57-6	2-Methylnaphthalene		0.0467	0.0935	0.187	U
91-20-3	Naphthalene		0.0467	0.0935	0.187	U
85-01-8	Phenanthrene		0.0467	0.0935	0.187	U
129-00-0	Pyrene		0.0467	0.0935	0.187	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	46.73	40.82	87.3	34 - 167	
Terphenyl-d14	46.73	44.87	96.0	34 - 167	

ANALYSIS DATA SHEET

FB04151101

Laboratory: Empirical Laboratories, LLC SDG: CTOJM29_002

Client: Tetra Tech NUS, Inc. (T010) Project: Saufley Field Site 4 CTOJM29

Matrix: Ground Water Laboratory ID: 1104207-09 File ID: 0420709.D

Sampled: 04/15/11 14:58 Prepared: 04/20/11 15:50 Analyzed: 04/26/11 02:04

Solids: Preparation: EXT_3510 Dilution: 1

Batch: 1D19023 Sequence: 1D11612 Calibration: 1112002 Instrument: MS-BNA4

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene		0.0467	0.0935	0.187	U
208-96-8	Acenaphthylene		0.0467	0.0935	0.187	U
120-12-7	Anthracene		0.0467	0.0935	0.187	U
56-55-3	Benzo(a)anthracene		0.0467	0.0935	0.187	U
50-32-8	Benzo(a)pyrene		0.0467	0.0935	0.187	U
205-99-2	Benzo(b)fluoranthene		0.0467	0.0935	0.187	U
191-24-2	Benzo(g,h,i)perylene		0.0467	0.0935	0.187	U
207-08-9	Benzo(k)fluoranthene		0.0467	0.0935	0.187	U
218-01-9	Chrysene		0.0467	0.0935	0.187	U
53-70-3	Dibenz(a,h)anthracene		0.0467	0.0935	0.187	U
206-44-0	Fluoranthene		0.0467	0.0935	0.187	U
86-73-7	Fluorene		0.0467	0.0935	0.187	U
193-39-5	Indeno(1,2,3-cd)pyrene		0.0467	0.0935	0.187	U
90-12-0	1-Methylnaphthalene		0.0467	0.0935	0.187	U
91-57-6	2-Methylnaphthalene		0.0467	0.0935	0.187	U
91-20-3	Naphthalene	0.138	0.0467	0.0935	0.187	I
85-01-8	Phenanthrene		0.0467	0.0935	0.187	U
129-00-0	Pyrene		0.0467	0.0935	0.187	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	46.73	80.95	173	34 - 167	*
Terphenyl-d14	46.73	44.52	95.3	34 - 167	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8270C

Laboratory: Empirical Laboratories, LLC
SDG: CTOJM29_002
Client: Tetra Tech NUS, Inc. (T010)
Project: Saufley Field Site 4 CTOJM29
Sequence: 1D11612
Instrument: MS-BNA4
Calibration: 1112002

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Calibration Check (1D11612-CCV1) ug/mL				Lab File ID: SEQ-CCV1.D		Analyzed: 04/25/11 18:05		
2-Fluorobiphenyl	5.000	95.0	80 - 120	7.031	7.031	0.0000	+/-0.500	
Terphenyl-d14	5.000	96.5	80 - 120	11.595	11.595	0.0000	+/-0.500	
LCS (1D19023-BS1) ug/L				Lab File ID: D19023L1.D		Analyzed: 04/25/11 20:14		
2-Fluorobiphenyl	50.00	76.7	34 - 167	7.031	7.031	0.0000	+/-0.500	
Terphenyl-d14	50.00	70.5	34 - 167	11.604	11.595	0.0090	+/-0.500	
LCS Dup (1D19023-BSD1) ug/L				Lab File ID: D19023L2.D		Analyzed: 04/25/11 20:39		
2-Fluorobiphenyl	50.00	78.2	34 - 167	7.031	7.031	0.0000	+/-0.500	
Terphenyl-d14	50.00	68.4	34 - 167	11.604	11.595	0.0090	+/-0.500	
Blank (1D19023-BLK1) ug/L				Lab File ID: D19023B1.D		Analyzed: 04/25/11 21:04		
2-Fluorobiphenyl	50.00	71.8	34 - 167	7.03	7.031	-0.0010	+/-0.500	
Terphenyl-d14	50.00	77.1	34 - 167	11.604	11.595	0.0090	+/-0.500	
OLFS4 MW14D (1104207-03) ug/L				Lab File ID: 0420703.D		Analyzed: 04/25/11 23:34		
2-Fluorobiphenyl	46.30	81.4	34 - 167	7.04	7.031	0.0090	+/-0.500	
Terphenyl-d14	46.30	94.0	34 - 167	11.604	11.595	0.0090	+/-0.500	
FD04151101 (1104207-04) ug/L				Lab File ID: 0420704.D		Analyzed: 04/25/11 23:59		
2-Fluorobiphenyl	46.30	87.5	34 - 167	7.03	7.031	-0.0010	+/-0.500	
Terphenyl-d14	46.30	95.0	34 - 167	11.604	11.595	0.0090	+/-0.500	
OLFS4 MW31S (1104207-05) ug/L				Lab File ID: 0420705.D		Analyzed: 04/26/11 00:24		
2-Fluorobiphenyl	46.30	87.1	34 - 167	7.03	7.031	-0.0010	+/-0.500	
Terphenyl-d14	46.30	98.1	34 - 167	11.604	11.595	0.0090	+/-0.500	
OLFS4 MW29D (1104207-06) ug/L				Lab File ID: 0420706.D		Analyzed: 04/26/11 00:49		
2-Fluorobiphenyl	46.30	92.1	34 - 167	7.04	7.031	0.0090	+/-0.500	
Terphenyl-d14	46.30	93.4	34 - 167	11.604	11.595	0.0090	+/-0.500	
OLFS4 MW02D (1104207-07) ug/L				Lab File ID: 0420707.D		Analyzed: 04/26/11 01:14		
2-Fluorobiphenyl	48.08	91.1	34 - 167	7.03	7.031	-0.0010	+/-0.500	
Terphenyl-d14	48.08	98.3	34 - 167	11.604	11.595	0.0090	+/-0.500	
OLFS4 MW03S (1104207-08) ug/L				Lab File ID: 0420708.D		Analyzed: 04/26/11 01:39		
2-Fluorobiphenyl	46.73	87.3	34 - 167	7.031	7.031	0.0000	+/-0.500	
Terphenyl-d14	46.73	96.0	34 - 167	11.604	11.595	0.0090	+/-0.500	
FB04151101 (1104207-09) ug/L				Lab File ID: 0420709.D		Analyzed: 04/26/11 02:04		
2-Fluorobiphenyl	46.73	173	34 - 167	7.04	7.031	0.0090	+/-0.500	*
Terphenyl-d14	46.73	95.3	34 - 167	11.604	11.595	0.0090	+/-0.500	

LCS / LCS DUPLICATE RECOVERY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	CTOJM29_002
Client:	Tetra Tech NUS, Inc. (T010)	Project:	Saufley Field Site 4 CTOJM29
Matrix:	Water		
Batch:	1D19023	Laboratory ID:	1D19023-BS1
Preparation:	EXT_3510	Initial/Final:	1000 mL / 1 mL

ANALYTE	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC.	QC LIMITS REC.
Acenaphthene	1.000	0.8405	84.1	41 - 132
Acenaphthylene	1.000	0.8387	83.9	43 - 140
Anthracene	1.000	0.8518	85.2	50 - 139
Benzo(a)anthracene	1.000	0.7910	79.1	58 - 141
Benzo(a)pyrene	1.000	0.8189	81.9	31 - 142
Benzo(b)fluoranthene	1.000	0.8162	81.6	42 - 156
Benzo(g,h,i)perylene	1.000	0.7559	75.6	12 - 171
Benzo(k)fluoranthene	1.000	0.8756	87.6	49 - 165
Chrysene	1.000	0.7602	76.0	51 - 155
Dibenz(a,h)anthracene	1.000	0.5812	58.1	28 - 153
Fluoranthene	1.000	0.8958	89.6	47 - 158
Fluorene	1.000	0.8945	89.4	40 - 140
Indeno(1,2,3-cd)pyrene	1.000	0.6843	68.4	20 - 167
1-Methylnaphthalene	1.000	0.7472	74.7	35 - 131
2-Methylnaphthalene	1.000	0.8332	83.3	36 - 121
Naphthalene	1.000	0.7923	79.2	39 - 125
Phenanthrene	1.000	0.9098	91.0	46 - 144
Pyrene	1.000	0.9000	90.0	39 - 158

ANALYTE	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Acenaphthene	1.000	0.8538	85.4	1.56	30	41 - 132
Acenaphthylene	1.000	0.7906	79.1	5.91	30	43 - 140
Anthracene	1.000	0.7922	79.2	7.25	30	50 - 139
Benzo(a)anthracene	1.000	0.7644	76.4	3.43	30	58 - 141
Benzo(a)pyrene	1.000	0.7935	79.3	3.16	30	31 - 142
Benzo(b)fluoranthene	1.000	0.8359	83.6	2.38	30	42 - 156
Benzo(g,h,i)perylene	1.000	0.7134	71.3	5.79	30	12 - 171
Benzo(k)fluoranthene	1.000	0.8712	87.1	0.511	30	49 - 165
Chrysene	1.000	0.8248	82.5	8.16	30	51 - 155

LCS / LCS DUPLICATE RECOVERY

SW8270C

Laboratory: Empirical Laboratories, LLC
SDG: CTOJM29_002
Client: Tetra Tech NUS, Inc. (T010)
Project: Saufley Field Site 4 CTOJM29
Matrix: Water
Batch: 1D19023
Laboratory ID: 1D19023-BSD1
Preparation: EXT_3510
Initial/Final: 1000 mL / 1 mL

ANALYTE	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Dibenz(a,h)anthracene	1.000	0.5818	58.2	0.113	30	28 - 153
Fluoranthene	1.000	0.8528	85.3	4.93	30	47 - 158
Fluorene	1.000	0.8660	86.6	3.23	30	40 - 140
Indeno(1,2,3-cd)pyrene	1.000	0.7198	72.0	5.05	30	20 - 167
1-Methylnaphthalene	1.000	0.7576	75.8	1.38	30	35 - 131
2-Methylnaphthalene	1.000	0.8345	83.4	0.150	30	36 - 121
Naphthalene	1.000	0.8055	80.5	1.65	30	39 - 125
Phenanthrene	1.000	0.8888	88.9	2.34	30	46 - 144
Pyrene	1.000	0.8586	85.9	4.71	30	39 - 158

PREPARATION BATCH SUMMARY

SW8270C

Laboratory: Empirical Laboratories, LLC SDG: CTOJM29_002

Client: Tetra Tech NUS, Inc. (T010) Project: Saufley Field Site 4 CTOJM29

Batch: 1D19023 Batch Matrix: Water Preparation: EXT_3510

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
OLFS4 MW14D	1104207-03	04/20/11 15:50	1,080.00	1.00
FD04151101	1104207-04	04/20/11 15:50	1,080.00	1.00
OLFS4 MW31S	1104207-05	04/20/11 15:50	1,080.00	1.00
OLFS4 MW29D	1104207-06	04/20/11 15:50	1,080.00	1.00
OLFS4 MW02D	1104207-07	04/20/11 15:50	1,040.00	1.00
OLFS4 MW03S	1104207-08	04/20/11 15:50	1,070.00	1.00
FB04151101	1104207-09	04/20/11 15:50	1,070.00	1.00
Blank	1D19023-BLK1	04/20/11 15:50	1,000.00	1.00
LCS	1D19023-BS1	04/20/11 15:50	1,000.00	1.00
LCS Dup	1D19023-BSD1	04/20/11 15:50	1,000.00	1.00

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	CTOJM29_002
Client:	Tetra Tech NUS, Inc. (T010)	Project:	Saufley Field Site 4 CTOJM29
Lab File ID:	SEQ-TUN2.D	Injection Date:	04/19/11
Instrument ID:	MS-BNA4	Injection Time:	14:38
Sequence:	1D11106	Lab Sample ID:	1D11106-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30 - 60% of 198	55.9	PASS
68	Less than 2% of 69	1.42	PASS
69	Less than 200% of 198	55.6	PASS
70	Less than 2% of 69	0.506	PASS
127	40 - 60% of 198	58.8	PASS
197	Less than 1% of 198	0	PASS
198	Base peak, 100% relative abundance	100	PASS
199	5 - 9% of 198	6.61	PASS
275	10 - 30% of 198	25.1	PASS
365	1 - 200% of 198	3.39	PASS
441	0.001 - 100% of 443	81.4	PASS
442	40 - 200% of 198	116	PASS
443	17 - 23% of 442	20	PASS

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	CTOJM29_002
Client:	Tetra Tech NUS, Inc. (T010)	Project:	Saufley Field Site 4 CTOJM29
Lab File ID:	SEQ-TUN1.D	Injection Date:	04/25/11
Instrument ID:	MS-BNA4	Injection Time:	17:46
Sequence:	1D11612	Lab Sample ID:	1D11612-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30 - 60% of 198	54.5	PASS
68	Less than 2% of 69	1.61	PASS
69	Less than 200% of 198	52.1	PASS
70	Less than 2% of 69	0.558	PASS
127	40 - 60% of 198	55.4	PASS
197	Less than 1% of 198	0	PASS
198	Base peak, 100% relative abundance	100	PASS
199	5 - 9% of 198	6.77	PASS
275	10 - 30% of 198	29.4	PASS
365	1 - 200% of 198	4.64	PASS
441	0.001 - 100% of 443	81.9	PASS
442	40 - 200% of 198	174	PASS
443	17 - 23% of 442	19.8	PASS

ANALYSIS SEQUENCE SUMMARY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	CTOJM29_002
Client:	Tetra Tech NUS, Inc. (T010)	Project:	Saufley Field Site 4 CTOJM29
Sequence:	1D11106	Instrument:	MS-BNA4
Calibration:	1112002		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	1D11106-TUN1	SEQ-TUN2.D	04/19/11 14:38
Cal Standard	1D11106-CAL1	SEQ-CAL1.D	04/19/11 14:56
Cal Standard	1D11106-CAL2	SEQ-CAL2.D	04/19/11 15:22
Cal Standard	1D11106-CAL3	SEQ-CAL3.D	04/19/11 15:49
Cal Standard	1D11106-CAL4	SEQ-CAL4.D	04/19/11 16:15
Cal Standard	1D11106-CAL5	SEQ-CAL5.D	04/19/11 16:41
Cal Standard	1D11106-CAL6	SEQ-CAL6.D	04/19/11 17:07
Cal Standard	1D11106-CAL7	SEQ-CAL7.D	04/19/11 17:33
Cal Standard	1D11106-CAL8	SEQ-CAL8.D	04/19/11 18:00
Cal Standard	1D11106-CAL9	SEQ-CAL9.D	04/19/11 18:26
Initial Cal Check	1D11106-ICV1	SEQ-ICV1.D	04/19/11 18:52

ANALYSIS SEQUENCE SUMMARY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	CTOJM29_002
Client:	Tetra Tech NUS, Inc. (T010)	Project:	Saufley Field Site 4 CTOJM29
Sequence:	1D11612	Instrument:	MS-BNA4
Calibration:	1112002		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	1D11612-TUN1	SEQ-TUN1.D	04/25/11 17:46
Calibration Check	1D11612-CCV1	SEQ-CCV1.D	04/25/11 18:05
LCS	1D19023-BS1	D19023L1.D	04/25/11 20:14
LCS Dup	1D19023-BSD1	D19023L2.D	04/25/11 20:39
Blank	1D19023-BLK1	D19023B1.D	04/25/11 21:04
OLFS4 MW14D	1104207-03	0420703.D	04/25/11 23:34
FD04151101	1104207-04	0420704.D	04/25/11 23:59
OLFS4 MW31S	1104207-05	0420705.D	04/26/11 00:24
OLFS4 MW29D	1104207-06	0420706.D	04/26/11 00:49
OLFS4 MW02D	1104207-07	0420707.D	04/26/11 01:14
OLFS4 MW03S	1104207-08	0420708.D	04/26/11 01:39
FB04151101	1104207-09	0420709.D	04/26/11 02:04

INTERNAL STANDARD AREA AND RT SUMMARY
SW8270C

Laboratory: Empirical Laboratories, LLC
SDG: CTOJM29_002
Client: Tetra Tech NUS, Inc. (T010)
Project: Saufley Field Site 4 CTOJM29
Sequence: 1D11612
Instrument: MS-BNA4
Calibration: 1112002

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (1D11612-CCV1)			Lab File ID: SEQ-CCV1.D			Analyzed: 04/25/11 18:05			
Phenanthrene-d10	120836	9.624	138732	9.706	87	50 - 200	-0.0820	+/-0.50	
Perylene-d12	65369	14.719	75266	14.837	87	50 - 200	-0.1180	+/-0.50	
LCS (1D19023-BS1)			Lab File ID: D19023L1.D			Analyzed: 04/25/11 20:14			
Phenanthrene-d10	136363	9.624	120836	9.624	113	50 - 200	0.0000	+/-0.50	
Perylene-d12	61664	14.719	65369	14.719	94	50 - 200	0.0000	+/-0.50	
LCS Dup (1D19023-BSD1)			Lab File ID: D19023L2.D			Analyzed: 04/25/11 20:39			
Phenanthrene-d10	140511	9.615	120836	9.624	116	50 - 200	-0.0090	+/-0.50	
Perylene-d12	64930	14.719	65369	14.719	99	50 - 200	0.0000	+/-0.50	
Blank (1D19023-BLK1)			Lab File ID: D19023B1.D			Analyzed: 04/25/11 21:04			
Phenanthrene-d10	128575	9.624	120836	9.624	106	50 - 200	0.0000	+/-0.50	
Perylene-d12	61891	14.719	65369	14.719	95	50 - 200	0.0000	+/-0.50	
OLFS4 MW14D (1104207-03)			Lab File ID: 0420703.D			Analyzed: 04/25/11 23:34			
Phenanthrene-d10	141076	9.624	120836	9.624	117	50 - 200	0.0000	+/-0.50	
Perylene-d12	77643	14.719	65369	14.719	119	50 - 200	0.0000	+/-0.50	
FD04151101 (1104207-04)			Lab File ID: 0420704.D			Analyzed: 04/25/11 23:59			
Phenanthrene-d10	130373	9.624	120836	9.624	108	50 - 200	0.0000	+/-0.50	
Perylene-d12	63204	14.719	65369	14.719	97	50 - 200	0.0000	+/-0.50	
OLFS4 MW31S (1104207-05)			Lab File ID: 0420705.D			Analyzed: 04/26/11 00:24			
Phenanthrene-d10	110951	9.624	120836	9.624	92	50 - 200	0.0000	+/-0.50	
Perylene-d12	55245	14.718	65369	14.719	85	50 - 200	-0.0010	+/-0.50	
OLFS4 MW29D (1104207-06)			Lab File ID: 0420706.D			Analyzed: 04/26/11 00:49			
Phenanthrene-d10	117515	9.624	120836	9.624	97	50 - 200	0.0000	+/-0.50	
Perylene-d12	66865	14.719	65369	14.719	102	50 - 200	0.0000	+/-0.50	
OLFS4 MW02D (1104207-07)			Lab File ID: 0420707.D			Analyzed: 04/26/11 01:14			
Phenanthrene-d10	112843	9.624	120836	9.624	93	50 - 200	0.0000	+/-0.50	
Perylene-d12	61832	14.719	65369	14.719	95	50 - 200	0.0000	+/-0.50	
OLFS4 MW03S (1104207-08)			Lab File ID: 0420708.D			Analyzed: 04/26/11 01:39			
Phenanthrene-d10	122344	9.624	120836	9.624	101	50 - 200	0.0000	+/-0.50	
Perylene-d12	56248	14.719	65369	14.719	86	50 - 200	0.0000	+/-0.50	
FB04151101 (1104207-09)			Lab File ID: 0420709.D			Analyzed: 04/26/11 02:04			
Phenanthrene-d10	128407	9.624	120836	9.624	106	50 - 200	0.0000	+/-0.50	
Perylene-d12	58069	14.719	65369	14.719	89	50 - 200	0.0000	+/-0.50	

INITIAL CALIBRATION DATA

SW8270C

Laboratory: Empirical Laboratories, LLC
SDG: CTOJM29_002
Client: Tetra Tech NUS, Inc. (T010)
Project: Saufley Field Site 4 CTOJM29
Calibration: 1112002
Instrument: MS-BNA4
Matrix: Water
Calibration Dates: 4/19/11 14:56 4/19/11 18:26

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF
Acenaphthene	0.1	0.9073685	0.2	0.8472282	0.5	0.8071579	1	0.8498111	5	0.7983861	10	0.8336235
Acenaphthylene	0.1	1.270537	0.2	1.269796	0.5	1.203545	1	1.329895	5	1.244934	10	1.26954
Anthracene	0.1	1.316798	0.2	1.168288	0.5	1.110749	1	1.196516	5	1.142564	10	1.145289
Benzo(a)anthracene	0.1	0.7733584	0.2	0.7987414	0.5	0.7936948	1	0.7615763	5	0.7571927	10	0.7128554
Benzo(a)pyrene	0.1	1.011587	0.2	1.030946	0.5	1.017569	1	1.060213	5	1.0839	10	1.070646
Benzo(b)fluoranthene	0.1	1.069402	0.2	1.059034	0.5	1.373963	1	1.372638	5	1.430587	10	1.441237
Benzo(g,h,i)perylene	0.1	0.9408315	0.2	0.8405568	0.5	0.7976318	1	0.8148168	5	0.864219	10	0.8665815
Benzo(k)fluoranthene	0.1	1.267422	0.2	1.346846	0.5	1.26362	1	1.415845	5	1.392767	10	1.383433
Chrysene	0.1	0.7544808	0.2	0.8034506	0.5	0.8045734	1	0.7738445	5	0.7358241	10	0.6923619
Dibenz(a,h)anthracene	0.1	0.9496165	0.2	0.7466783	0.5	0.7402214	1	0.6805862	5	0.796443	10	0.7934616
Fluoranthene	0.1	1.157548	0.2	1.062454	0.5	1.095169	1	1.124283	5	1.105329	10	1.104339
Fluorene	0.1	0.8064115	0.2	0.7540568	0.5	0.8063694	1	0.856421	5	0.815093	10	0.8250326
2-Fluorobiphenyl	0.1	0.9111025	0.2	0.8179966	0.5	0.8596231	1	0.9163567	5	0.8693337	10	0.9032449
Indeno(1,2,3-cd)pyrene	0.1	1.093383	0.2	0.9068841	0.5	0.9403396	1	0.8500651	5	0.988829	10	1.00136
1-Methylnaphthalene	0.1	0.9055015	0.2	0.8433563	0.5	0.8234392	1	0.8924473	5	0.8141195	10	0.8432931
2-Methylnaphthalene	0.1	0.8922941	0.2	0.8542047	0.5	0.8425825	1	0.9153548	5	0.8238603	10	0.8462289
Naphthalene	0.1	1.349228	0.2	1.335829	0.5	1.292384	1	1.372084	5	1.289524	10	1.314208
Phenanthrene	0.1	1.168128	0.2	1.160509	0.5	1.123307	1	1.207249	5	1.149711	10	1.147939
Pyrene	0.1	1.125118	0.2	1.087779	0.5	1.101083	1	1.132428	5	1.126722	10	1.105628
Terphenyl-d14	0.1	0.6677684	0.2	0.7013144	0.5	0.7095286	1	0.6890768	5	0.6935843	10	0.6867195
2,4,6-Tribromophenol	0.2	~~9.577087E-02~~	0.4	~~0.1047175~~	1	0.1132755	2	0.1399245	10	0.1621875	20	0.1721881

INITIAL CALIBRATION DATA (Continued)

SW8270C

Laboratory: Empirical Laboratories, LLC
SDG: CTOJM29_002
Client: Tetra Tech NUS, Inc. (T010)
Project: Saufley Field Site 4 CTOJM29
Calibration: 1112002
Instrument: MS-BNA4
Matrix: Water
Calibration Dates: 4/19/11 14:56 4/19/11 18:26

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF
Acenaphthene	20	0.7940618	40	0.7352884	50	0.7827219						
Acenaphthylene	20	1.141889	40	1.048448	50	1.091477						
Anthracene	20	1.117011	40	1.128844	50	1.128459						
Benzo(a)anthracene	20	0.7657045	40	0.891703	50	0.7603992						
Benzo(a)pyrene	20	1.100458	40	1.064936	50	1.103355						
Benzo(b)fluoranthene	20	1.537608	40	1.633929	50	1.471212						
Benzo(g,h,i)perylene	20	0.8566147	40	0.7527658	50	0.8332651						
Benzo(k)fluoranthene	20	1.354037	40	1.250454	50	1.26906						
Chrysene	20	0.6823315	40	0.8250514	50	0.6874646						
Dibenz(a,h)anthracene	20	0.8197604	40	0.7276827	50	0.8426935						
Fluoranthene	20	1.100363	40	1.116813	50	1.129477						
Fluorene	20	0.8177829	40	0.7918825	50	0.7874121						
2-Fluorobiphenyl	20	0.8244022	40	0.7671239	50	0.8084073						
Indeno(1,2,3-cd)pyrene	20	1.000876	40	0.9043518	50	1.038719						
1-Methylnaphthalene	20	0.7692007	40	0.7167983	50	0.7352023						
2-Methylnaphthalene	20	0.7931505	40	0.7308007	50	0.7831935						
Naphthalene	20	1.210287	40	1.118559	50	1.125103						
Phenanthrene	20	1.129587	40	1.117307	50	1.135743						
Pyrene	20	1.104729	40	1.163501	50	1.105306						
Terphenyl-d14	20	0.7217151	40	0.7460979	50	0.6818047						
2,4,6-Tribromophenol	40	0.1625257	80	0.1663055	100	0.1695583						

INITIAL CALIBRATION DATA (Continued)

SW8270C

Laboratory: Empirical Laboratories, LLC
SDG: CTOJM29_002
Client: Tetra Tech NUS, Inc. (T010)
Project: Saufley Field Site 4 CTOJM29
Calibration: 1112002
Instrument: MS-BNA4
Matrix: Water
Calibration Dates: 4/19/11 14:56 4/19/11 18:26

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
Acenaphthene	0.8172941	6.002518	7.944333	0.1047021			CCC (30)	
Acenaphthylene	1.207785	7.808994	7.734889	0.1182522			15	
Anthracene	1.161613	5.505861	9.805778	0.100823			15	
Benzo(a)anthracene	0.7794695	6.254565	12.93533	6.502969E-02			15	
Benzo(a)pyrene	1.060401	3.200109	14.769	4.143849E-02			CCC (30)	
Benzo(b)fluoranthene	1.376623	14.1471	14.326	7.995191E-02			15	
Benzo(g,h,i)perylene	0.8408092	6.210629	16.70156	7.861425E-02			15	
Benzo(k)fluoranthene	1.327054	4.862521	14.36322	0.079314			15	
Chrysene	0.7510425	7.301878	12.98111	7.297783E-02			15	
Dibenz(a,h)anthracene	0.7885715	9.963425	16.36178	4.777576E-02			15	
Fluoranthene	1.110642	2.363902	11.19311	0.0831072			CCC (30)	
Fluorene	0.806718	3.496377	8.576445	9.781169E-02			15	
2-Fluorobiphenyl	0.8530656	6.095572	7.112	8.858856E-02			15	
Indeno(1,2,3-cd)pyrene	0.9694231	7.8043	16.34633	6.789173E-02			15	
1-Methylnaphthalene	0.8159287	7.985947	6.773	9.488666E-02			15	
2-Methylnaphthalene	0.8312967	6.802917	6.660333	0.1047284			15	
Naphthalene	1.267467	7.448697	5.839111	9.533926E-02			15	
Phenanthrene	1.148831	2.40557	9.740667	0.1040327			15	
Pyrene	1.116922	2.023077	11.46378	7.377866E-02			15	
Terphenyl-d14	0.6997344	3.349731	11.68256	6.766915E-02			15	
2,4,6-Tribromophenol	0.1551379	13.70301	8.878286	0.1225255			15	

INITIAL CALIBRATION CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	CTOJM29_002
Client:	Tetra Tech NUS, Inc. (T010)	Project:	Saufley Field Site 4 CTOJM29
Instrument ID:	MS-BNA4	Calibration:	1112002
Lab File ID:	SEQ-ICV1.D	Calibration Date:	04/19/11 00:00
Sequence:	1D11106	Injection Date:	04/19/11
Lab Sample ID:	1D11106-ICV1	Injection Time:	18:52

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)
Acenaphthene	A	5.000	5.145	0.8172941	0.8409406		2.9	20
Acenaphthylene	A	5.000	5.694	1.207785	1.375521		13.9	20
Anthracene	A	5.000	5.601	1.161613	1.301226		12.0	20
Benzo(a)anthracene	A	5.000	4.940	0.7794695	0.7701215		-1.2	20
Benzo(a)pyrene	A	5.000	5.489	1.060401	1.16413		9.8	20
Benzo(b)fluoranthene	A	5.000	5.261	1.376623	1.448551		5.2	20
Benzo(g,h,i)perylene	A	5.000	5.469	0.8408092	0.9196673		9.4	20
Benzo(k)fluoranthene	A	5.000	5.499	1.327054	1.459622		10.0	20
Chrysene	A	5.000	5.270	0.7510425	0.7915565		5.4	20
Dibenz(a,h)anthracene	A	5.000	5.291	0.7885715	0.8344072		5.8	20
Fluoranthene	A	5.000	5.358	1.110642	1.190233		7.2	20
Fluorene	A	5.000	5.368	0.806718	0.866153		7.4	20
Indeno(1,2,3-cd)pyrene	A	5.000	5.582	0.9694231	1.082169		11.6	20
1-Methylnaphthalene	A	5.000	5.107	0.8159287	0.8334349		2.1	20
2-Methylnaphthalene	A	5.000	5.373	0.8312967	0.8933577		7.5	20
Naphthalene	A	5.000	5.542	1.267467	1.404988		10.9	20
Phenanthrene	A	5.000	5.465	1.148831	1.255674		9.3	20
Pyrene	A	5.000	5.443	1.116922	1.21582		8.9	20
2-Fluorobiphenyl	A	5.000	5.807	0.8530656	0.9907614		16.1	20
Terphenyl-d14	A	5.000	5.562	0.6997344	0.7783563		11.2	20

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	CTOJM29_002
Client:	Tetra Tech NUS, Inc. (T010)	Project:	Saufley Field Site 4 CTOJM29
Instrument ID:	MS-BNA4	Calibration:	1112002
Lab File ID:	SEQ-CCV1.D	Calibration Date:	04/19/11 00:00
Sequence:	1D11612	Injection Date:	04/25/11
Lab Sample ID:	1D11612-CCV1	Injection Time:	18:05

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Acenaphthene	A	5.000	4.698	0.8172941	0.7679053		-6.0	20
Acenaphthylene	A	5.000	5.019	1.207785	1.212366		0.4	20
Anthracene	A	5.000	4.996	1.161613	1.160568		-0.09	20
Benzo(a)anthracene	A	5.000	4.514	0.7794695	0.7036496		-9.7	20
Benzo(a)pyrene	A	5.000	4.752	1.060401	1.007884		-5.0	20
Benzo(b)fluoranthene	A	5.000	3.999	1.376623	1.101078		-20.0	20
Benzo(g,h,i)perylene	A	5.000	4.991	0.8408092	0.8392602		-0.2	20
Benzo(k)fluoranthene	A	5.000	4.941	1.327054	1.311304		-1.2	20
Chrysene	A	5.000	4.683	0.7510425	0.7034112		-6.3	20
Dibenz(a,h)anthracene	A	5.000	4.798	0.7885715	0.7566431		-4.0	20
Fluoranthene	A	5.000	4.914	1.110642	1.091435		-1.7	20
Fluorene	A	5.000	5.035	0.806718	0.8123672		0.7	20
Indeno(1,2,3-cd)pyrene	A	5.000	4.914	0.9694231	0.9527146		-1.7	20
1-Methylnaphthalene	A	5.000	4.500	0.8159287	0.7343391		-10.0	20
2-Methylnaphthalene	A	5.000	4.716	0.8312967	0.7841603		-5.7	20
Naphthalene	A	5.000	4.889	1.267467	1.239377		-2.2	20
Phenanthrene	A	5.000	4.922	1.148831	1.130832		-1.6	20
Pyrene	A	5.000	4.910	1.116922	1.096758		-1.8	20
2-Fluorobiphenyl	A	5.000	4.751	0.8530656	0.8106392		-5.0	20
Terphenyl-d14	A	5.000	4.823	0.6997344	0.6749561		-3.5	20

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

ANALYSIS DATA SHEET

Blank

Laboratory: Empirical Laboratories, LLC SDG: CTOJM29_002

Client: Tetra Tech NUS, Inc. (T010) Project: Saufley Field Site 4 CTOJM29

Matrix: Laboratory ID: 1D19023-BLK1 File ID: D19023B1.D

Sampled: Prepared: Analyzed: 04/25/11 21:04

Solids: Preparation: EXT_3510 Dilution:

Batch: 1D19023 Sequence: 1D11612 Calibration: 1112002 Instrument: MS-BNA4

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene		0.0500	0.100	0.200	U
208-96-8	Acenaphthylene		0.0500	0.100	0.200	U
120-12-7	Anthracene		0.0500	0.100	0.200	U
56-55-3	Benzo(a)anthracene		0.0500	0.100	0.200	U
50-32-8	Benzo(a)pyrene		0.0500	0.100	0.200	U
205-99-2	Benzo(b)fluoranthene		0.0500	0.100	0.200	U
191-24-2	Benzo(g,h,i)perylene		0.0500	0.100	0.200	U
207-08-9	Benzo(k)fluoranthene		0.0500	0.100	0.200	U
218-01-9	Chrysene		0.0500	0.100	0.200	U
53-70-3	Dibenz(a,h)anthracene		0.0500	0.100	0.200	U
206-44-0	Fluoranthene		0.0500	0.100	0.200	U
86-73-7	Fluorene		0.0500	0.100	0.200	U
193-39-5	Indeno(1,2,3-cd)pyrene		0.0500	0.100	0.200	U
90-12-0	1-Methylnaphthalene		0.0500	0.100	0.200	U
91-57-6	2-Methylnaphthalene		0.0500	0.100	0.200	U
91-20-3	Naphthalene		0.0500	0.100	0.200	U
85-01-8	Phenanthrene		0.0500	0.100	0.200	U
129-00-0	Pyrene		0.0500	0.100	0.200	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	50.00	35.92	71.8	34 - 167	
Terphenyl-d14	50.00	38.57	77.1	34 - 167	

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC SDG: CTOJM29_002

Client: Tetra Tech NUS, Inc. (T010) Project: Saufley Field Site 4 CTOJM29

Matrix: Laboratory ID: 1D19023-BS1 File ID: D19023L1.D

Sampled: Prepared: Analyzed: 04/25/11 20:14

Solids: Preparation: EXT_3510 Dilution:

Batch: 1D19023 Sequence: 1D11612 Calibration: 1112002 Instrument: MS-BNA4

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene	0.8405	0.0500	0.100	0.200	
208-96-8	Acenaphthylene	0.8387	0.0500	0.100	0.200	
120-12-7	Anthracene	0.8518	0.0500	0.100	0.200	
56-55-3	Benzo(a)anthracene	0.7910	0.0500	0.100	0.200	
50-32-8	Benzo(a)pyrene	0.8189	0.0500	0.100	0.200	
205-99-2	Benzo(b)fluoranthene	0.8162	0.0500	0.100	0.200	
191-24-2	Benzo(g,h,i)perylene	0.7559	0.0500	0.100	0.200	
207-08-9	Benzo(k)fluoranthene	0.8756	0.0500	0.100	0.200	
218-01-9	Chrysene	0.7602	0.0500	0.100	0.200	
53-70-3	Dibenz(a,h)anthracene	0.5812	0.0500	0.100	0.200	
206-44-0	Fluoranthene	0.8958	0.0500	0.100	0.200	
86-73-7	Fluorene	0.8945	0.0500	0.100	0.200	
193-39-5	Indeno(1,2,3-cd)pyrene	0.6843	0.0500	0.100	0.200	
90-12-0	1-Methylnaphthalene	0.7472	0.0500	0.100	0.200	
91-57-6	2-Methylnaphthalene	0.8332	0.0500	0.100	0.200	
91-20-3	Naphthalene	0.7923	0.0500	0.100	0.200	
85-01-8	Phenanthrene	0.9098	0.0500	0.100	0.200	
129-00-0	Pyrene	0.9000	0.0500	0.100	0.200	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	50.00	38.35	76.7	34 - 167	
Terphenyl-d14	50.00	35.26	70.5	34 - 167	

ANALYSIS DATA SHEET

LCS Dup

Laboratory: Empirical Laboratories, LLC SDG: CTOJM29_002

Client: Tetra Tech NUS, Inc. (T010) Project: Saufley Field Site 4 CTOJM29

Matrix: Laboratory ID: 1D19023-BSD1 File ID: D19023L2.D

Sampled: Prepared: Analyzed: 04/25/11 20:39

Solids: Preparation: EXT_3510 Dilution:

Batch: 1D19023 Sequence: 1D11612 Calibration: 1112002 Instrument: MS-BNA4

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene	0.8538	0.0500	0.100	0.200	
208-96-8	Acenaphthylene	0.7906	0.0500	0.100	0.200	
120-12-7	Anthracene	0.7922	0.0500	0.100	0.200	
56-55-3	Benzo(a)anthracene	0.7644	0.0500	0.100	0.200	
50-32-8	Benzo(a)pyrene	0.7935	0.0500	0.100	0.200	
205-99-2	Benzo(b)fluoranthene	0.8359	0.0500	0.100	0.200	
191-24-2	Benzo(g,h,i)perylene	0.7134	0.0500	0.100	0.200	
207-08-9	Benzo(k)fluoranthene	0.8712	0.0500	0.100	0.200	
218-01-9	Chrysene	0.8248	0.0500	0.100	0.200	
53-70-3	Dibenz(a,h)anthracene	0.5818	0.0500	0.100	0.200	
206-44-0	Fluoranthene	0.8528	0.0500	0.100	0.200	
86-73-7	Fluorene	0.8660	0.0500	0.100	0.200	
193-39-5	Indeno(1,2,3-cd)pyrene	0.7198	0.0500	0.100	0.200	
90-12-0	1-Methylnaphthalene	0.7576	0.0500	0.100	0.200	
91-57-6	2-Methylnaphthalene	0.8345	0.0500	0.100	0.200	
91-20-3	Naphthalene	0.8055	0.0500	0.100	0.200	
85-01-8	Phenanthrene	0.8888	0.0500	0.100	0.200	
129-00-0	Pyrene	0.8586	0.0500	0.100	0.200	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	50.00	39.11	78.2	34 - 167	
Terphenyl-d14	50.00	34.22	68.4	34 - 167	

HOLDING TIME SUMMARY

SW8270C

Laboratory: Empirical Laboratories, LLC

SDG: CTOJM29_002

Client: Tetra Tech NUS, Inc. (T010)

Project: Saufley Field Site 4 CTOJM29

Sample Name	Date Collected	Date Received	Date Prepared	Days to Prep	Max Days to Prep	Date Analyzed	Days to Analysis	Max Days to Analysis	Q
OLFS4 MW14D	04/15/11 06:43	04/18/11 15:45	04/20/11 15:50	5.42	7.00	04/25/11 23:34	5.32	40.00	
FD04151101	04/15/11 00:00	04/18/11 15:45	04/20/11 15:50	5.70	7.00	04/25/11 23:59	5.34	40.00	
OLFS4 MW31S	04/15/11 08:10	04/18/11 15:45	04/20/11 15:50	5.36	7.00	04/26/11 00:24	5.36	40.00	
OLFS4 MW29D	04/15/11 09:23	04/18/11 15:45	04/20/11 15:50	5.31	7.00	04/26/11 00:49	5.37	40.00	
OLFS4 MW02D	04/15/11 10:45	04/18/11 15:45	04/20/11 15:50	5.25	7.00	04/26/11 01:14	5.39	40.00	
OLFS4 MW03S	04/15/11 11:43	04/18/11 15:45	04/20/11 15:50	5.21	7.00	04/26/11 01:39	5.41	40.00	
FB04151101	04/15/11 14:58	04/18/11 15:45	04/20/11 15:50	5.08	7.00	04/26/11 02:04	5.43	40.00	

Data for SW8270C (PAH)
Supporting Raw Data / Logs

Sequence Name: C:\msdchem\1\sequence\041911b4.S
Comment: EPA8270
Operator: MEC
Data Path: D:\DATA\041911B4\
Instrument Control Pre-Seq Cmd:
Data Analysis Pre-Seq Cmd:

863

4/22/11

Instrument Control Post-Seq Cmd:
Data Analysis Post-Seq Cmd:

Method Sections To Run
(X) Full Method
( ) Reprocessing Only

On A Barcode Mismatch
(X) Inject Anyway
( ) Don't Inject

GLQ
4/22/11

Line			Sample Name/Misc Info
1)	Sample	1	SEQ-TUN1 DFBN4LOW DF0419B1;;;;;11D0025
2)	Sample	2	SEQ-CCV1 IXBN4LOW CCV-5.0PPM;;;;;11D0418
3)	Blank	3	D09816B1 IXBN4LOW 1D09816-BLK1;1;15;1000;1;UG/K
4)	Sample	1	SEQ-TUN2 DFBN4LOW DF0419B2;;;;;11D0025 14:38, 4/19
5)	Sample	4	SEQ-CAL1 IXBN4LOW CAL-0.10PPM;;;;;11D0430
6)	Sample	5	SEQ-CAL2 IXBN4LOW CAL-0.20PPM;;;;;11C0008
7)	Sample	6	SEQ-CAL3 IXBN4LOW CAL-0.50PPM;;;;;11C0009
8)	Sample	7	SEQ-CAL4 IXBN4LOW CAL-1.00PPM;;;;;11C0010
9)	Sample	8	SEQ-CAL5 IXBN4LOW CAL-5.00PPM;;;;;11C0011
10)	Sample	9	SEQ-CAL6 IXBN4LOW CAL-10.0PPM;;;;;11C0012
11)	Sample	10	SEQ-CAL7 IXBN4LOW CAL-20.0PPM;;;;;11C0013
12)	Sample	11	SEQ-CAL8 IXBN4LOW CAL-40.0PPM;;;;;11C0014
13)	Sample	12	SEQ-CAL9 IXBN4LOW CAL-50.0PPM;;;;;11C0015
14)	Sample	13	SEQ-ICV1 IXBN4LOW ICV-5.0PPM;;;;;11C0006 18:52, 4/19
15)	Sample	1	SEQ-TUN3 DFBN4LOW DF0419B3;;;;;11D0025

Last Modified: Wed Apr 20 09:25:41 2011 Page: 1

ANALYSIS SEQUENCE

1D11106

Instrument: MS-BNA4

Calibnration ID: UNASSIGNED

Printed: 4/21/2011 10:24:19AM

Lab Number	Analysis	Container	Order	Position	STD ID	ISTD ID	Client	Comments
1D11106-TUN1	QC		1		11D0025			
1D11106-CAL1	QC		2		11D0430	11A0356		
1D11106-CAL2	QC		3		11C0008	11A0356		
1D11106-CAL3	QC		4		11C0009	11A0356		
1D11106-CAL4	QC		5		11C0010	11A0356		
1D11106-CAL5	QC		6		11C0011	11A0356		
1D11106-CAL6	QC		7		11C0012	11A0356		
1D11106-CAL7	QC		8		11C0013	11A0356		
1D11106-CAL8	QC		9		11C0014	11A0356		
1D11106-CAL9	QC		10		11C0015	11A0356		
1D11106-ICV1	QC		11		11C0006	11A0356		

Samples Loaded By Date

Data Processed By Date

312

CTOJM29_002

Data File: \\ELABNSH05\TARGET\chem\bna4.i\041911B4E.b\SEQ-TUN2.D

Date : 19-APR-2011 14:38

Client ID: 50ppm DFTPP

Instrument: bna4.i

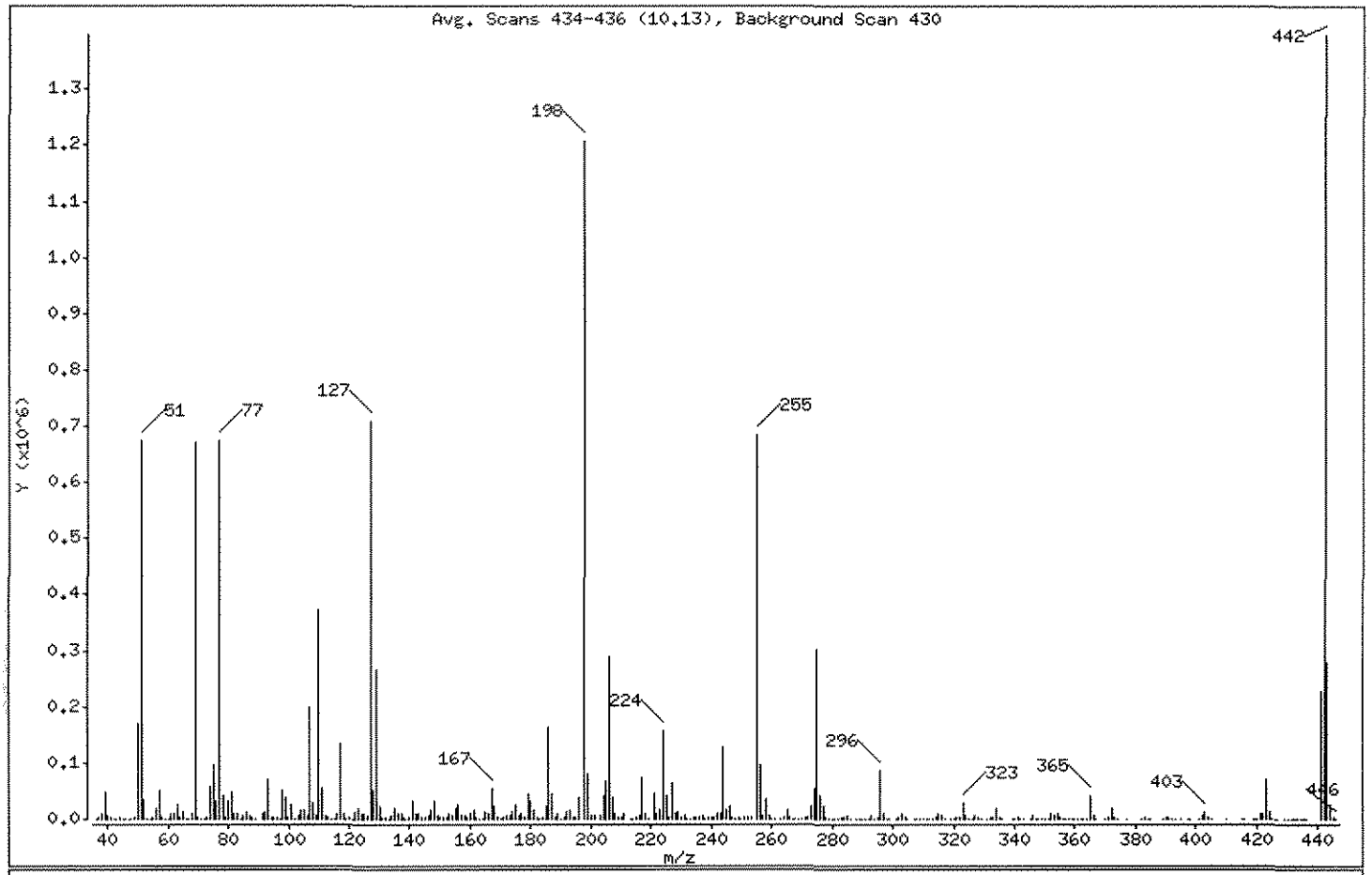
Sample Info: DF0419B2;;;;;11D0025

Operator: MEC

Column phase: DB5-MS

Column diameter: 0.25

1 dftpp

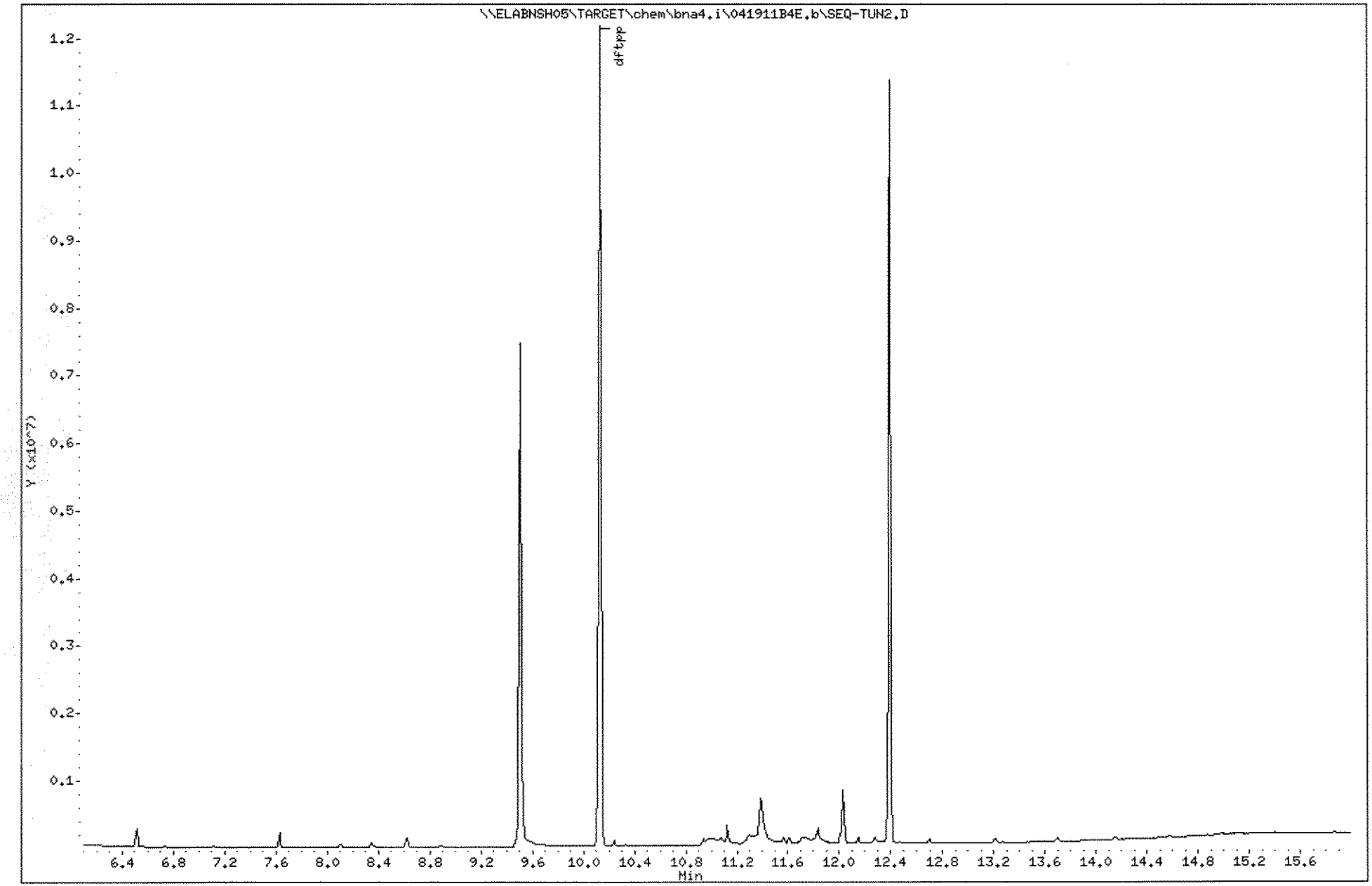


m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
198	Base Peak, 100% relative abundance	100.00
51	30.00 - 60.00% of mass 198	55.92
68	Less than 2.00% of mass 69	0.79 (1.42)
69	Mass 69 relative abundance	55.60
70	Less than 2.00% of mass 69	0.28 (0.51)
127	40.00 - 60.00% of mass 198	58.84
197	Less than 1.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	6.61
275	10.00 - 30.00% of mass 198	25.05
365	Greater than 1.00% of mass 198	3.39
441	Present, but less than mass 443	18.84
442	Greater than 40.00% of mass 198	115.78
443	17.00 - 23.00% of mass 442	23.15 (19.99)

4/20/11

GLQ 4/22/11

Data File: \\ELABNSH05\TARGET\chem\bna4.i\041911B4E.b\SEQ-TUN2.D
Date : 19-APR-2011 14:38
Client ID: 50ppm DFTPP
Instrument: bna4.i
Sample Info: DF0419B2;;;;;11D0025
Operator: MEC
Column phase: DB5-MS
Column diameter: 0.25



Data File: \\ELABNSH05\TARGET\chem\bna4.i\041911B4E.b\SEQ-TUN2.D

Date : 19-APR-2011 14:38

Client ID: 50ppm DFTPP Instrument: bna4.i

Sample Info: DF0419B2;;;;;11D0025

Operator: MEC

Column phase: DB5-MS Column diameter: 0.25

Data File: SEQ-TUN2.D
Spectrum: Avg. Scans 434-436 (10,13), Background Scan 430
Location of Maximum: 442.10
Number of points: 369

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.10	338	130.00	22576	227.00	63520	326.00	520
37.00	2072	131.00	4791	228.00	9956	327.00	5702
38.00	8248	132.00	2425	229.00	13756	328.00	2726
39.00	49008	132.90	1256	230.00	2228	329.00	459
40.00	7634	134.00	7089	231.00	6118	331.00	123
41.00	2042	135.00	20432	232.00	1131	332.00	2526
42.00	287	136.00	8172	233.10	1334	333.00	3092
43.00	539	137.10	9177	234.00	4056	334.00	18688
44.00	3137	138.00	2274	235.00	4667	335.00	4610
45.00	1421	138.80	1135	236.00	2878	336.10	659
45.90	108	140.00	3471	237.00	4972	339.10	432
47.10	396	141.00	33464	238.00	747	340.10	619
47.90	318	142.00	9939	239.00	2526	341.10	3315
49.10	4523	143.00	8078	240.00	2010	342.00	908
50.00	170176	144.00	2061	241.00	3928	342.80	169
51.00	674880	145.00	1939	242.00	8720	345.20	181
52.00	33888	146.00	5439	243.10	9167	346.00	6308
53.10	1571	147.00	15038	244.00	127064	347.00	1395
54.20	175	148.00	32672	245.00	16416	348.00	180
55.10	2754	149.00	6579	246.00	23616	349.20	136
56.00	20568	149.90	1815	247.00	4417	350.00	377
57.00	50496	151.10	3813	248.00	1254	351.10	561
58.00	2280	152.00	2073	249.00	3819	352.10	9441
59.00	560	153.00	10286	250.00	1298	353.10	6455
60.00	381	154.00	7458	251.00	1737	354.10	8856
61.00	8044	155.00	18296	252.00	2138	355.00	1917
62.00	8585	156.00	26240	253.10	4126	355.90	152
63.00	24896	157.00	5753	255.00	685760	357.00	163
64.00	3458	158.00	5648	256.00	96976	358.00	223
65.00	11503	159.00	4584	257.00	7987	359.00	620
65.90	889	160.00	10079	258.00	36672	360.00	261
67.00	854	161.00	15055	259.00	5403	361.00	368
68.10	9506	162.00	4193	260.00	1248	362.30	245
69.00	670976	163.10	1479	261.00	1347	362.80	337
70.00	3397	164.10	1541	262.90	394	363.90	932

Data File: \\ELABNSH05\TARGET\chem\bna4.i\041911B4E.b\SEQ-TUN2.D

Date : 19-APR-2011 14:38

Client ID: 50ppm DFTPP Instrument: bna4.i

Sample Info: DF0419B2;;;;;11D0025

Operator: MEC

Column phase: DB5-MS Column diameter: 0.25

Data File: SEQ-TUN2.D

Spectrum: Avg. Scans 434-436 (10.13), Background Scan 430

Location of Maximum: 442.10

Number of points: 369

m/z	Y	m/z	Y	m/z	Y	m/z	Y
71.00	554	165.00	11711	264.00	1849	365.00	40856
71.90	291	166.00	9061	265.00	14886	366.00	5549
73.00	4805	167.00	55432	266.00	2913	366.90	414
74.00	57792	168.00	22512	266.90	305	370.00	1104
75.00	97904	169.00	4488	267.90	805	371.00	2861
76.00	31128	170.00	1568	269.10	447	372.00	17840
77.00	673984	171.00	2515	270.00	1297	373.00	4145
78.00	43336	172.00	5652	271.00	2105	374.10	648
79.00	42544	173.00	7561	272.00	2866	377.00	573
80.00	33368	174.00	12948	273.00	22920	382.00	229
81.00	47704	175.10	24216	274.00	55512	383.00	4764
82.00	10686	176.00	6985	275.00	302336	384.00	1326
83.00	10790	177.00	10694	276.00	42864	385.00	414
84.10	889	178.00	3237	277.00	24016	388.90	160
85.00	6904	179.00	44704	278.00	3994	390.00	2131
86.00	11699	180.00	30824	279.00	748	391.00	2102
87.00	5798	181.00	16003	280.10	186	392.10	1253
88.00	1991	182.00	2303	281.10	175	393.00	281
88.90	1429	182.90	1095	282.00	601	394.90	198
91.00	10958	184.00	3776	283.00	2834	397.10	126
92.00	11746	185.00	21656	284.00	1910	398.00	118
93.00	69752	186.00	164608	285.00	5065	401.00	1281
94.00	4250	187.00	43736	286.00	677	402.00	7225
95.00	1631	188.00	4738	288.00	297	403.00	11410
96.00	3560	189.00	10182	289.00	1169	404.10	3639
97.00	1338	190.00	1542	290.00	760	404.90	463
98.00	52256	191.00	4178	291.00	986	410.00	410
99.00	39200	192.00	13966	292.00	1169	415.10	677
99.90	3300	193.00	15362	293.00	6345	416.00	101
101.00	26744	194.00	3203	294.00	1555	418.80	239
102.00	1406	195.00	2929	295.00	2605	419.30	140
103.00	7967	196.00	37376	296.00	85592	420.20	432
104.00	16408	198.00	1206784	297.00	11226	421.00	10811
105.00	14512	199.00	79808	298.00	1013	422.00	10081
106.10	5297	200.00	6610	299.00	257	423.00	69840

Data File: \\ELABNSH05\TARGET\chem\bna4.i\041911B4E.b\SEQ-TUN2.D

Date : 19-APR-2011 14:38

Client ID: 50ppm DFTPP Instrument: bna4.i

Sample Info: DF0419B2;;;;;11D0025

Operator: MEC

Column phase: DB5-MS Column diameter: 0.25

Data File: SEQ-TUN2.D
Spectrum: Avg. Scans 434-436 (10.13), Background Scan 430
Location of Maximum: 442.10
Number of points: 369

m/z	Y	m/z	Y	m/z	Y	m/z	Y
107.00	199488	201.50	5270	301.00	1288	424.10	14451
108.00	29320	203.00	7512	302.00	1875	425.00	1313
109.10	5689	204.00	40336	303.00	9335	426.00	124
110.00	371328	205.00	66448	304.00	2505	426.90	130
111.00	55752	206.00	289664	305.00	414	428.90	110
112.00	6199	207.00	37600	307.10	174	430.30	128
112.90	1933	208.00	8349	308.00	1141	431.40	101
114.00	396	209.00	3328	309.00	955	432.20	190
115.00	973	210.10	4367	310.00	1141	432.90	210
116.00	10823	211.00	10506	311.00	247	433.30	250
117.00	135360	213.10	808	312.00	335	434.30	294
118.00	9581	214.00	417	313.10	1127	435.30	627
119.00	1420	215.00	3323	314.10	4787	435.90	663
120.00	2077	216.00	6030	315.00	10014	436.50	1151
121.10	780	217.00	75160	316.00	5178	441.00	227392
122.00	12591	218.00	9127	317.10	1228	442.10	1397248
123.00	19248	219.00	976	319.10	253	443.10	279360
124.00	8256	221.00	44912	320.00	573	444.10	26528
125.00	8223	221.70	10488	321.00	3101	445.10	1845
126.20	6054	223.00	17048	322.00	2016	446.00	167
127.00	710080	224.00	157184	323.10	30104		
128.00	51640	225.00	40248	324.00	5511		
129.00	267328	226.00	4228	325.20	662		

Data File: \\ELABNSH05\TARGET\chem\bna4.i\041911B4E.b\SEQ-CAL1.D
Report Date: 20-Apr-2011 14:23

Laboratory Name

Data file : \\ELABNSH05\TARGET\chem\bna4.i\041911B4E.b\SEQ-CAL1.D
Lab Smp Id: SEQ-CAL1 Client Smp ID: SEQ-CAL1
Inj Date : 19-APR-2011 14:56 MS Autotune Date: 13-JAN-2011 12:07
Operator : MEC Inst ID: bna4.i
Smp Info : CAL-0.10PPM;;;;;11D0430
Misc Info : ;1;;;1;;pahsurmis.sub;
Comment :
Method : \\ELABNSH05\TARGET\chem\bna4.i\041911B4E.b\IXBN4LOW.m
Meth Date : 20-Apr-2011 14:23 mcobb Quant Type: ISTD
Cal Date : 19-APR-2011 14:56 Cal File: SEQ-CAL1.D
Als bottle: 4 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: pahsurmis.sub
Target Version: 4.04
Processing Host: TARGET09_VM

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng/ul)	ON-COL (ng/ul)	
* 102	Phenanthrene-d10	188	9.706	9.706	(1.000)	144616	1.00000		
21	N-Nitroso-di-n-propylamine	70	4.862	4.862	(0.501)	4106	0.10000	0.1030	
39	Isophorone	82	5.308	5.308	(0.547)	11275	0.10000	0.09122	
51	Naphthalene	128	5.838	5.838	(0.602)	19512	0.10000	0.1064	
53	Hexachlorobutadiene	225	5.978	5.978	(0.616)	3444	0.10000	0.1022	
55	2-Methylnaphthalene	142	6.666	6.666	(0.687)	12904	0.10000	0.1073	
56	1-Methylnaphthalene	142	6.777	6.777	(0.698)	13095	0.10000	0.1110	
$ 74	2-Fluorobiphenyl	172	7.112	7.112	(0.733)	13176	0.10000	0.1068	
77	Acenaphthylene	152	7.735	7.735	(0.797)	18374	0.10000	0.1052	
80	Acenaphthene	153	7.939	7.939	(0.818)	13122	0.10000	0.1110	
88	Fluorene	166	8.571	8.571	(0.883)	11662	0.10000	0.09996	
$ 107	2,4,6-Tribromophenol	330	8.888	8.888	(0.916)	2770	~~0.10000~~	~~0.06173~~	0.20000 0.1235
111	Phenanthrene	178	9.743	9.743	(1.004)	16893	0.10000	0.1017	
109	Hexachlorobenzene	284	9.241	9.241	(0.952)	5116	0.10000	0.1092	
112	Anthracene	178	9.808	9.808	(1.011)	19043	0.10000	0.1134	4/22/11
116	Fluoranthene	202	11.193	11.193	(1.153)	16740	0.10000	0.1042	
134	Pyrene	202	11.463	11.463	(1.181)	16271	0.10000	0.1007	
* 154	Perylene-d12	264	14.837	14.837	(1.000)	84234	1.00000		
$ 135	Terphenyl-d14	244	11.686	11.686	(1.204)	9657	0.10000	0.09543	
138	Benzo(a)anthracene	228	12.931	12.931	(1.332)	11184	0.10000	0.09922	
139	Chrysene	228	12.978	12.978	(1.337)	10911	0.10000	0.1004	
140	Bis(2-ethylhexyl)phthalate	149	13.024	13.024	(0.878)	11392	0.10000	0.007200	
155	Di-n-octylphthalate	149	13.852	13.852	(0.934)	16206	0.10000	0.5161	
156	Benzo(b)fluoranthene	252	14.326	14.326	(0.966)	9008	0.10000	0.07768	
157	Benzo(k)fluoranthene	252	14.363	14.363	(0.968)	10676	0.10000	0.09551	
158	Benzo(a)pyrene	252	14.772	14.772	(0.996)	8521	0.10000	0.09540	

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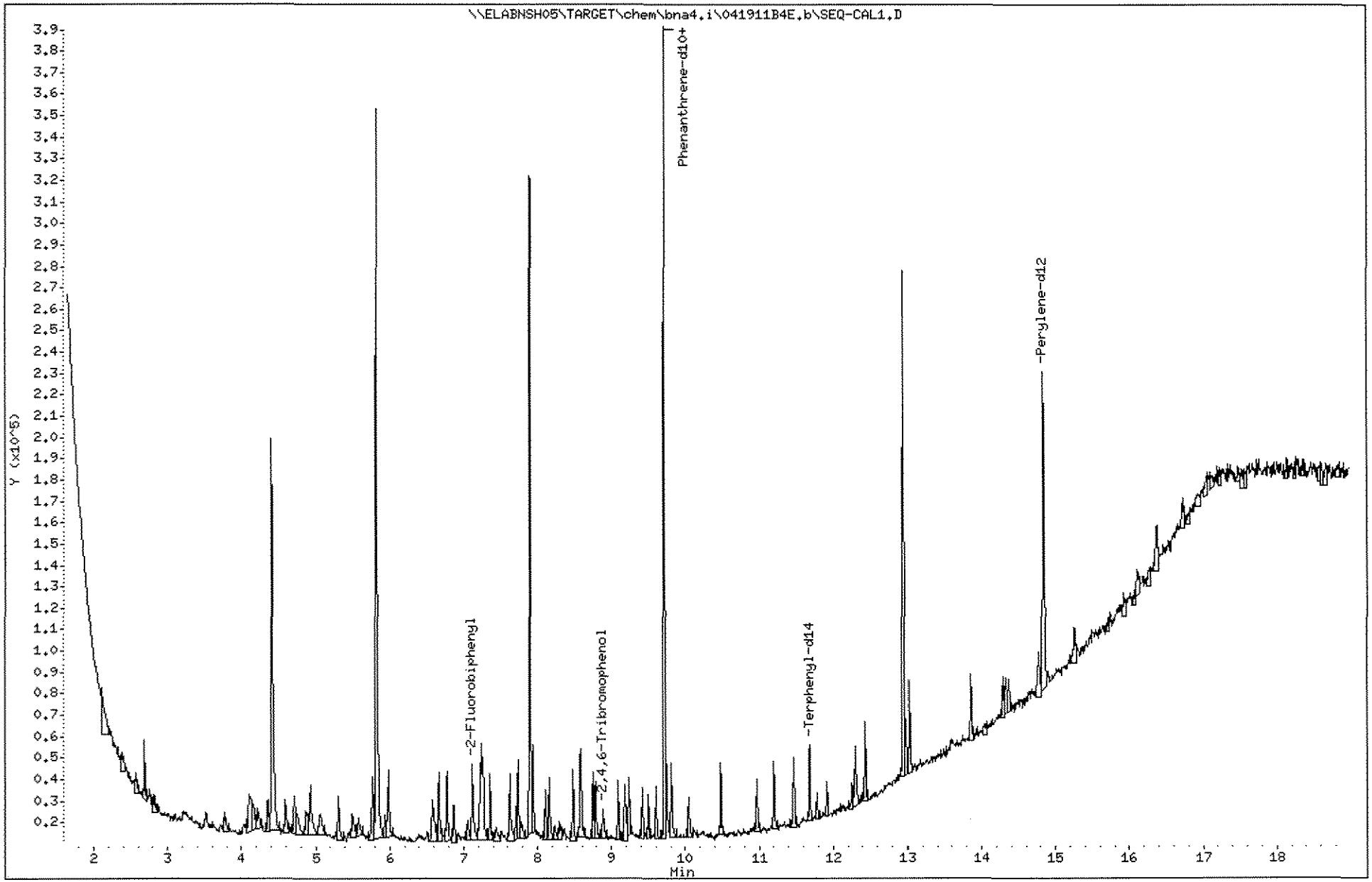
Data File: \\ELABNSH05\TARGET\chem\bna4.i\041911B4E.b\SEQ-CAL1.D
Report Date: 20-Apr-2011 14:23

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng/ul)	AMOUNTS ON-COL (ng/ul)
159 Indeno(1,2,3-cd)pyrene	276	16.362	16.362	(1.103)	9210	0.10000	0.1128
160 Dibenz(a,h)anthracene	278	16.371	16.371	(1.103)	7999	0.10000	0.1204
161 Benzo(g,h,i)perylene	276	16.724	16.724	(1.127)	7925	0.10000	0.1119

Data File: \\ELABNSH05\TARGET\chem\bna4.i\041911B4E.b\SEQ-CAL1.D
Date : 19-APR-2011 14:56
Client ID: SEQ-CAL1
Instrument: bna4.i
Sample Info: CAL-0.10PPM;;;;;11D0430
Operator: MEC
Column phase: fused silica
Column diameter: 0.25



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Data File: \\ELABNSH05\TARGET\chem\bna4.i\041911B4E.b\SEQ-CAL2.D
Report Date: 20-Apr-2011 14:23

Laboratory Name

Data file : \\ELABNSH05\TARGET\chem\bna4.i\041911B4E.b\SEQ-CAL2.D
Lab Smp Id: SEQ-CAL2 Client Smp ID: SEQ-CAL2
Inj Date : 19-APR-2011 15:22
Operator : MEC Inst ID: bna4.i
Smp Info : CAL-0.20PPM;;;;;11C0008
Misc Info : ;1;;;2;;pahsurmis.sub;
Comment :
Method : \\ELABNSH05\TARGET\chem\bna4.i\041911B4E.b\IXBN4LOW.m
Meth Date : 20-Apr-2011 14:23 mcobb Quant Type: ISTD
Cal Date : 19-APR-2011 14:56 Cal File: SEQ-CAL1.D
Als bottle: 5 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: pahsurmis.sub
Target Version: 4.04
Processing Host: TARGET09_VM

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng/ul)	ON-COL (ng/ul)
* 102	Phenanthrene-d10	188	9.706	9.706	(1.000)	143338	1.00000	
4	1,4-Dioxane	88	1.813	1.813	(0.187)	10942	0.20000	0.4270
21	N-Nitroso-di-n-propylamine	70	4.853	4.853	(0.500)	7639	0.20000	0.1934
39	Isophorone	82	5.299	5.299	(0.546)	25006	0.20000	0.2041
51	Naphthalene	128	5.838	5.838	(0.602)	38295	0.20000	0.2108
53	Hexachlorobutadiene	225	5.978	5.978	(0.616)	6898	0.20000	0.2065
55	2-Methylnaphthalene	142	6.656	6.656	(0.686)	24488	0.20000	0.2055
56	1-Methylnaphthalene	142	6.768	6.768	(0.697)	24177	0.20000	0.2067
$ 74	2-Fluorobiphenyl	172	7.112	7.112	(0.733)	23450	0.20000	0.1918
77	Acenaphthylene	152	7.735	7.735	(0.797)	36402	0.20000	0.2103
80	Acenaphthene	153	7.939	7.939	(0.818)	24288	0.20000	0.2073
88	Fluorene	166	8.571	8.571	(0.883)	21617	0.20000	0.1869
$ 107	2,4,6-Tribromophenol	330	8.878	8.878	(0.915)	6004	~~0.20000~~	~~0.1350~~ 0.40000 0.2700
111	Phenanthrene	178	9.733	9.733	(1.003)	33269	0.20000	0.2020
109	Hexachlorobenzene	284	9.241	9.241	(0.952)	9096	0.20000	0.1959
112	Anthracene	178	9.799	9.799	(1.010)	33492	0.20000	0.2011
116	Fluoranthene	202	11.193	11.193	(1.153)	30458	0.20000	0.1913
134	Pyrene	202	11.463	11.463	(1.181)	31184	0.20000	0.1948
* 154	Perylene-d12	264	14.837	14.837	(1.000)	93099	1.00000	
$ 135	Terphenyl-d14	244	11.676	11.676	(1.203)	20105	0.20000	0.2004
138	Benzo(a)anthracene	228	12.931	12.931	(1.332)	22898	0.20000	0.2049
139	Chrysene	228	12.978	12.978	(1.337)	23033	0.20000	0.2140
140	Bis(2-ethylhexyl)phthalate	149	13.024	13.024	(0.878)	21952	0.20000	0.06035
155	Di-n-octylphthalate	149	13.852	13.852	(0.934)	33560	0.20000	0.5705
156	Benzo(b)fluoranthene	252	14.326	14.326	(0.966)	19719	0.20000	0.1538
157	Benzo(k)fluoranthene	252	14.363	14.363	(0.968)	25078	0.20000	0.2030

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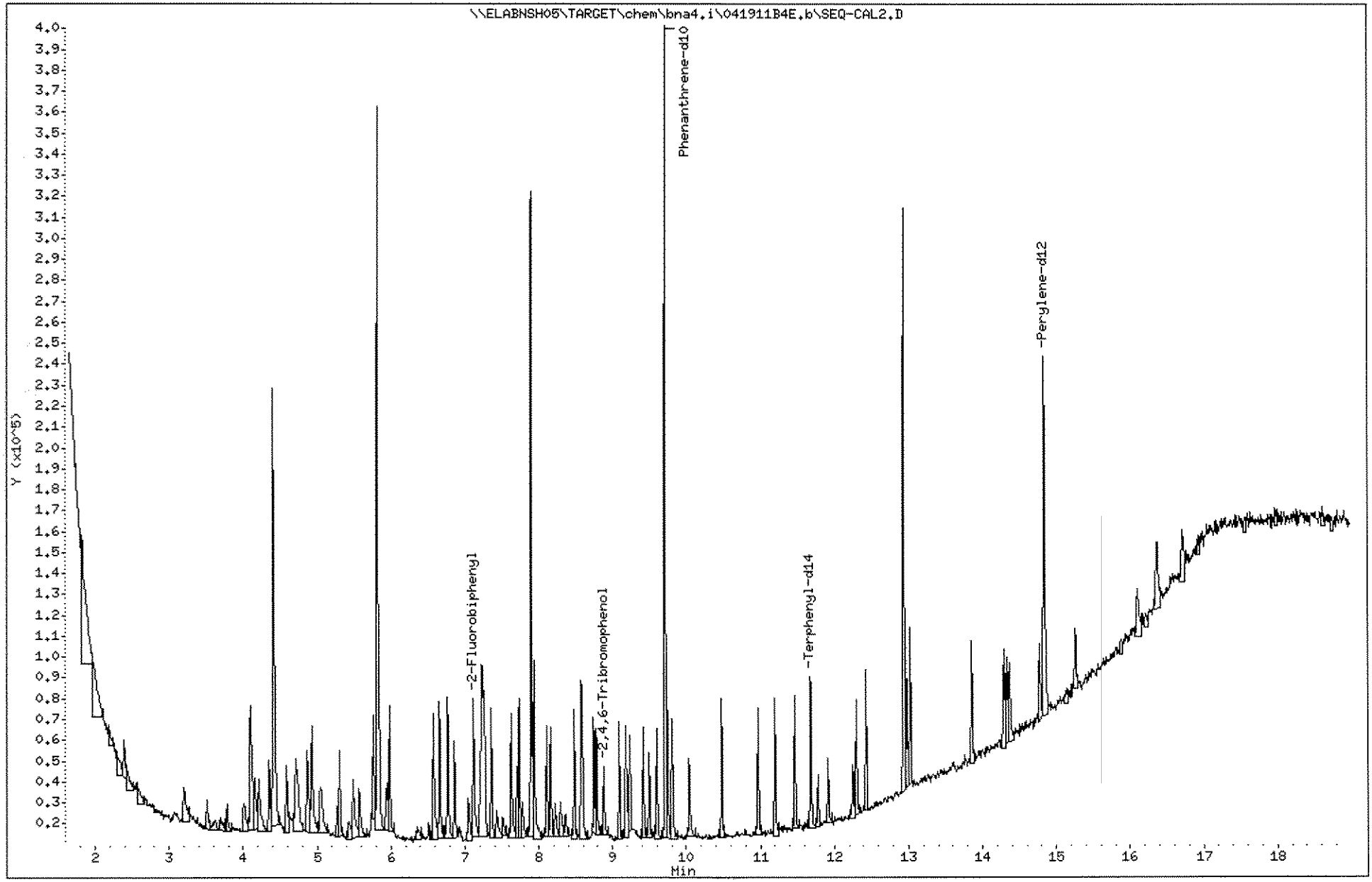
Data File: \\ELABNSH05\TARGET\chem\bna4.i\041911B4E.b\SEQ-CAL2.D
Report Date: 20-Apr-2011 14:23

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng/ul)	AMOUNTS ON-COL (ng/ul)
158 Benzo(a)pyrene	252	14.772	14.772	(0.996)	19196	0.20000	0.1944
159 Indeno(1,2,3-cd)pyrene	276	16.362	16.362	(1.103)	16886	0.20000	0.1871
160 Dibenz(a,h)anthracene	278	16.371	16.371	(1.103)	13903	0.20000	0.1894
161 Benzo(g,h,i)perylene	276	16.715	16.715	(1.127)	15651	0.20000	0.1999

Data File: \\ELABNSH05\TARGET\chem\bna4.i\041911B4E.b\SEQ-CAL2.D
Date : 19-APR-2011 15:22
Client ID: SEQ-CAL2
Instrument: bna4.i
Sample Info: CAL-0.20PPM;;;;;11C0008
Operator: MEC
Column phase: fused silica
Column diameter: 0.25



Data File: \\ELABNSH05\TARGET\chem\bna4.i\041911B4E.b\SEQ-CAL3.D
Report Date: 20-Apr-2011 14:23

Laboratory Name

Data file : \\ELABNSH05\TARGET\chem\bna4.i\041911B4E.b\SEQ-CAL3.D
Lab Smp Id: SEQ-CAL3 Client Smp ID: SEQ-CAL3
Inj Date : 19-APR-2011 15:49 MS Autotune Date: 13-JAN-2011 12:07
Operator : MEC Inst ID: bna4.i
Smp Info : CAL-0.50PPM;;;;;11C0009
Misc Info : ;1;;;3;;pahsurmis.sub;
Comment :
Method : \\ELABNSH05\TARGET\chem\bna4.i\041911B4E.b\IXBN4LOW.m
Meth Date : 20-Apr-2011 14:23 mcobb Quant Type: ISTD
Cal Date : 19-APR-2011 14:56 Cal File: SEQ-CAL1.D
Als bottle: 6 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: pahsurmis.sub
Target Version: 4.04
Processing Host: TARGET09_VM

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng/ul)	AMOUNTS ON-COL (ng/ul)
* 102 Phenanthrene-d10	188	9.706	9.706	(1.000)	136967	1.00000	
4 1,4-Dioxane	88	1.804	1.804	(0.186)	13935	0.50000	0.5691
21 N-Nitroso-di-n-propylamine	70	4.853	4.853	(0.500)	19326	0.50000	0.5119
39 Isophorone	82	5.299	5.299	(0.546)	59111	0.50000	0.5049
51 Naphthalene	128	5.838	5.838	(0.602)	88507	0.50000	0.5098
53 Hexachlorobutadiene	225	5.978	5.978	(0.616)	16071	0.50000	0.5035
55 2-Methylnaphthalene	142	6.656	6.656	(0.686)	57703	0.50000	0.5068
56 1-Methylnaphthalene	142	6.768	6.768	(0.697)	56392	0.50000	0.5046
70 Hexachlorocyclopentadiene	237	6.842	6.842	(0.705)	778	0.50000	1.057
$ 74 2-Fluorobiphenyl	172	7.112	7.112	(0.733)	58870	0.50000	0.5038
77 Acenaphthylene	152	7.726	7.726	(0.796)	82423	0.50000	0.4982
80 Acenaphthene	153	7.939	7.939	(0.818)	55277	0.50000	0.4938
88 Fluorene	166	8.571	8.571	(0.883)	55223	0.50000	0.4998
$ 107 2,4,6-Tribromophenol	330	8.878	8.878	(0.915)	15515	~~0.50000~~	~~0.3651~~ 1.00000 0.7307
111 Phenanthrene	178	9.734	9.734	(1.003)	76928	0.50000	0.4889
109 Hexachlorobenzene	284	9.241	9.241	(0.952)	21641	0.50000	0.4878
112 Anthracene	178	9.799	9.799	(1.010)	76068	0.50000	0.4781
116 Fluoranthene	202	11.193	11.193	(1.153)	75001	0.50000	0.4930
134 Pyrene	202	11.463	11.463	(1.181)	75406	0.50000	0.4929
* 154 Perylene-d12	264	14.837	14.837	(1.000)	87998	1.00000	
$ 135 Terphenyl-d14	244	11.676	11.676	(1.203)	48591	0.50000	0.5070
138 Benzo(a)anthracene	228	12.931	12.931	(1.332)	54355	0.50000	0.5091
139 Chrysene	228	12.978	12.978	(1.337)	55100	0.50000	0.5356
140 Bis(2-ethylhexyl)phthalate	149	13.024	13.024	(0.878)	51476	0.50000	0.2449
155 Di-n-octylphthalate	149	13.852	13.852	(0.934)	75117	0.50000	0.7301
156 Benzo(b)fluoranthene	252	14.317	14.317	(0.965)	60453	0.50000	0.4990

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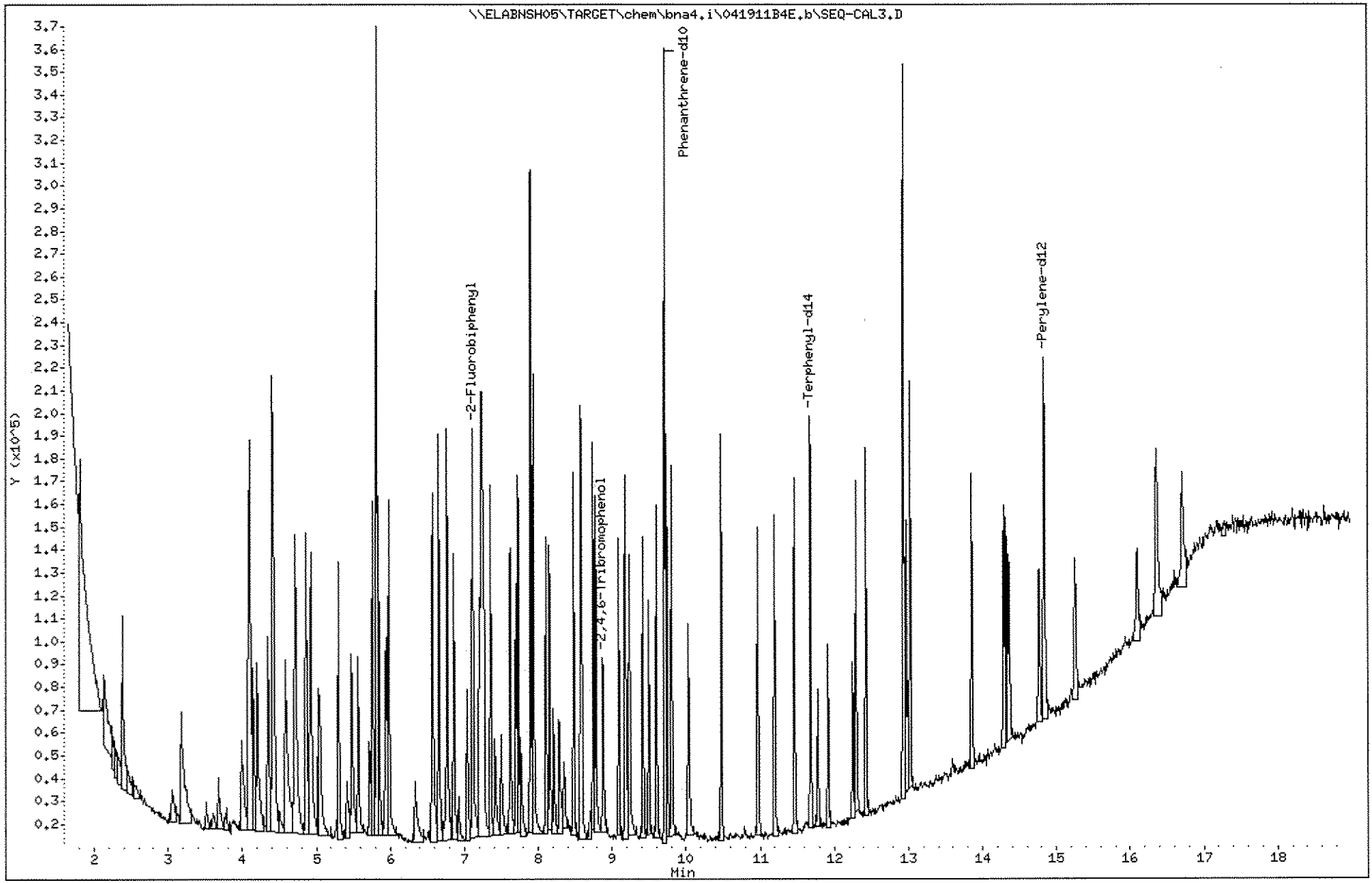
Data File: \\ELABNSH05\TARGET\chem\bna4.i\041911B4E.b\SEQ-CAL3.D
Report Date: 20-Apr-2011 14:23

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng/ul)	AMOUNTS ON-COL (ng/ul)
157 Benzo(k)fluoranthene	252	14.354	14.354	(0.967)	55598	0.50000	0.4761
158 Benzo(a)pyrene	252	14.772	14.772	(0.996)	44772	0.50000	0.4798
159 Indeno(1,2,3-cd)pyrene	276	16.353	16.353	(1.102)	41374	0.50000	0.4850
160 Dibenz(a,h)anthracene	278	16.362	16.362	(1.103)	32569	0.50000	0.4693
161 Benzo(g,h,i)perylene	276	16.706	16.706	(1.126)	35095	0.50000	0.4743

Data File: \\ELABNSH05\TARGET\chem\bna4.i\041911B4E.b\SEQ-CAL3.D
Date : 19-APR-2011 15:49
Client ID: SEQ-CAL3
Instrument: bna4.i
Sample Info: CAL-0.50PPM;;;;;11C0009
Operator: MEC
Column phase: fused silica
Column diameter: 0.25



Data File: \\ELABNSH05\TARGET\chem\bna4.i\041911B4E.b\SEQ-CAL4.D
Report Date: 20-Apr-2011 14:23

Laboratory Name

Data file : \\ELABNSH05\TARGET\chem\bna4.i\041911B4E.b\SEQ-CAL4.D
Lab Smp Id: SEQ-CAL4 Client Smp ID: SEQ-CAL4
Inj Date : 19-APR-2011 16:15 MS Autotune Date: 13-JAN-2011 12:07
Operator : MEC Inst ID: bna4.i
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Misc Info : ;1;;;4;;pahsurmis.sub;
Comment :
Method : \\ELABNSH05\TARGET\chem\bna4.i\041911B4E.b\IXBN4LOW.m
Meth Date : 20-Apr-2011 14:23 mcobb Quant Type: ISTD
Cal Date : 19-APR-2011 14:56 Cal File: SEQ-CAL1.D
Als bottle: 7 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: pahsurmis.sub
Target Version: 4.04
Processing Host: TARGET09_VM

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng/ul)	ON-COL (ng/ul)	
*	102 Phenanthrene-d10	188	9.706	9.706	(1.000)	138732	1.00000		
	4 1,4-Dioxane	88	1.813	1.813	(0.187)	25396	1.00000	1.024	
	21 N-Nitroso-di-n-propylamine	70	4.853	4.853	(0.500)	42335	1.00000	1.107	
	39 Isophorone	82	5.299	5.299	(0.546)	129403	1.00000	1.091	
	51 Naphthalene	128	5.838	5.838	(0.602)	190352	1.00000	1.082	
	53 Hexachlorobutadiene	225	5.978	5.978	(0.616)	36112	1.00000	1.117	
	55 2-Methylnaphthalene	142	6.656	6.656	(0.686)	126989	1.00000	1.101	
	56 1-Methylnaphthalene	142	6.768	6.768	(0.697)	123811	1.00000	1.094	
	70 Hexachlorocyclopentadiene	237	6.842	6.842	(0.705)	3636	1.00000	1.231	
$	74 2-Fluorobiphenyl	172	7.103	7.103	(0.732)	127128	1.00000	1.074	
	77 Acenaphthylene	152	7.725	7.725	(0.796)	184499	1.00000	1.101	
	80 Acenaphthene	153	7.939	7.939	(0.818)	117896	1.00000	1.040	
	88 Fluorene	166	8.571	8.571	(0.883)	118813	1.00000	1.062	
	110 Pentachlorophenol	266	9.520	9.520	(0.981)	2538	1.00000	2.120(M)	
$	107 2,4,6-Tribromophenol	330	8.869	8.869	(0.914)	38824	~~1.00000~~	~~0.9019~~ 2.00000	1.804
	111 Phenanthrene	178	9.733	9.733	(1.003)	167484	1.00000	1.051	
	109 Hexachlorobenzene	284	9.231	9.231	(0.951)	47789	1.00000	1.063	
	112 Anthracene	178	9.798	9.798	(1.010)	165995	1.00000	1.030	
	116 Fluoranthene	202	11.184	11.184	(1.152)	155974	1.00000	1.012	
	134 Pyrene	202	11.463	11.463	(1.181)	157104	1.00000	1.014	
*	154 Perylene-d12	264	14.837	14.837	(1.000)	75266	1.00000		
$	135 Terphenyl-d14	244	11.676	11.676	(1.203)	95597	1.00000	0.9848	
	138 Benzo(a)anthracene	228	12.931	12.931	(1.332)	105655	1.00000	0.9770	
	139 Chrysene	228	12.978	12.978	(1.337)	107357	1.00000	1.030	
	140 Bis(2-ethylhexyl)phthalate	149	13.024	13.024	(0.878)	114078	1.00000	0.7369	
	155 Di-n-octylphthalate	149	13.852	13.852	(0.934)	165077	1.00000	1.164	

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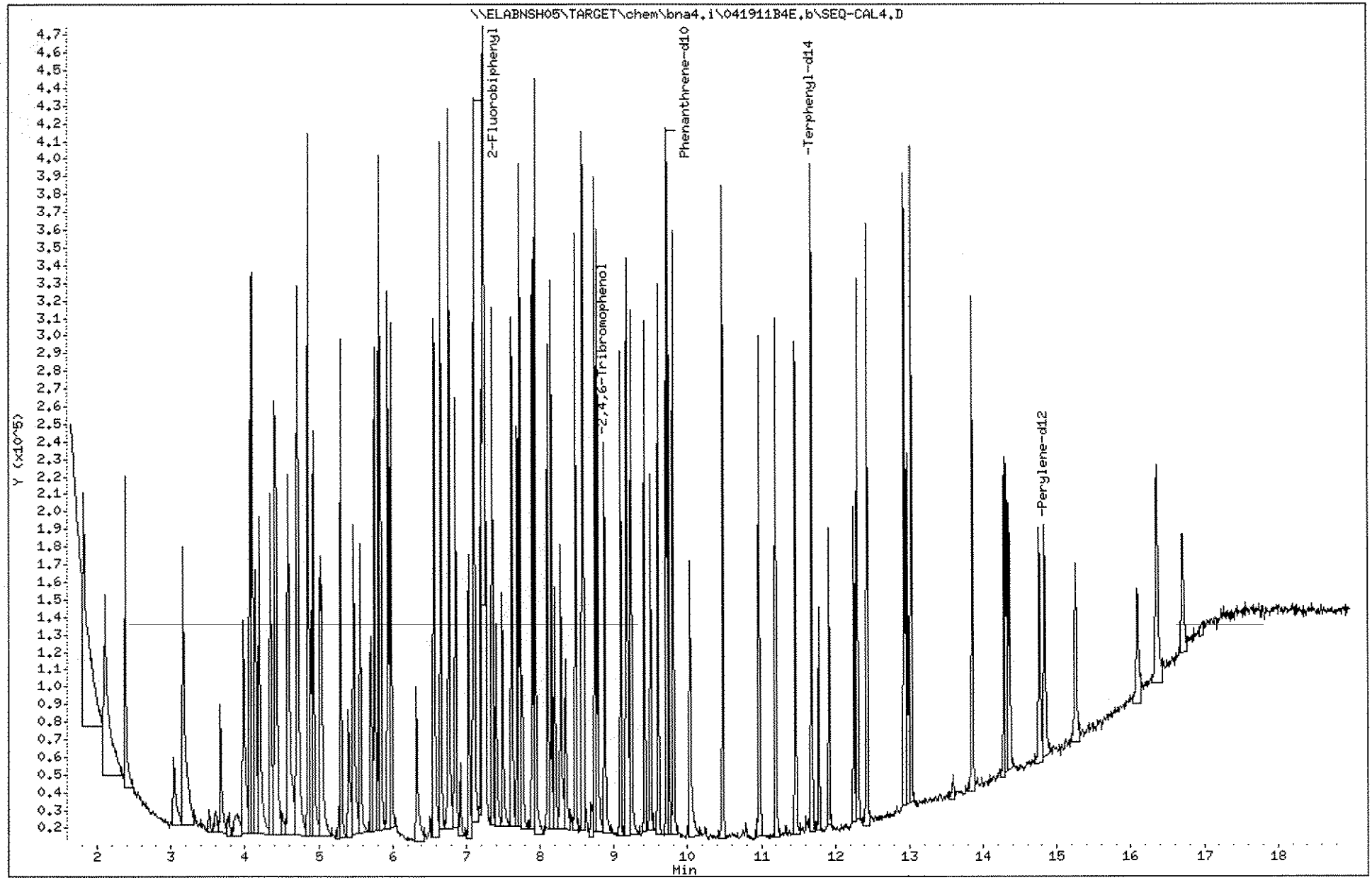
Data File: \\ELABNSH05\TARGET\chem\bna4.i\041911B4E.b\SEQ-CAL4.D
Report Date: 20-Apr-2011 14:23

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng/ul)	AMOUNTS ON-COL (ng/ul)
156 Benzo(b)fluoranthene	252	14.317	14.317	(0.965)	103313	1.00000	0.9971(M)
157 Benzo(k)fluoranthene	252	14.354	14.354	(0.967)	106565	1.00000	1.067
158 Benzo(a)pyrene	252	14.763	14.763	(0.995)	79798	1.00000	0.9998
159 Indeno(1,2,3-cd)pyrene	276	16.343	16.343	(1.101)	63981	1.00000	0.8769
160 Dibenz(a,h)anthracene	278	16.362	16.362	(1.103)	51225	1.00000	0.8631
161 Benzo(g,h,i)perylene	276	16.706	16.706	(1.126)	61328	1.00000	0.9691

QC Flag Legend

M - Compound response manually integrated.

Data File: \\ELABNSH05\TARGET\chem\bna4.i\041911B4E.b\SEQ-CAL4.D
Date : 19-APR-2011 16:15
Client ID: SEQ-CAL4
Instrument: bna4.i
Sample Info: CAL-1.00PPM;;;;;11C0010
Operator: MEC
Column phase: fused silica
Column diameter: 0.25



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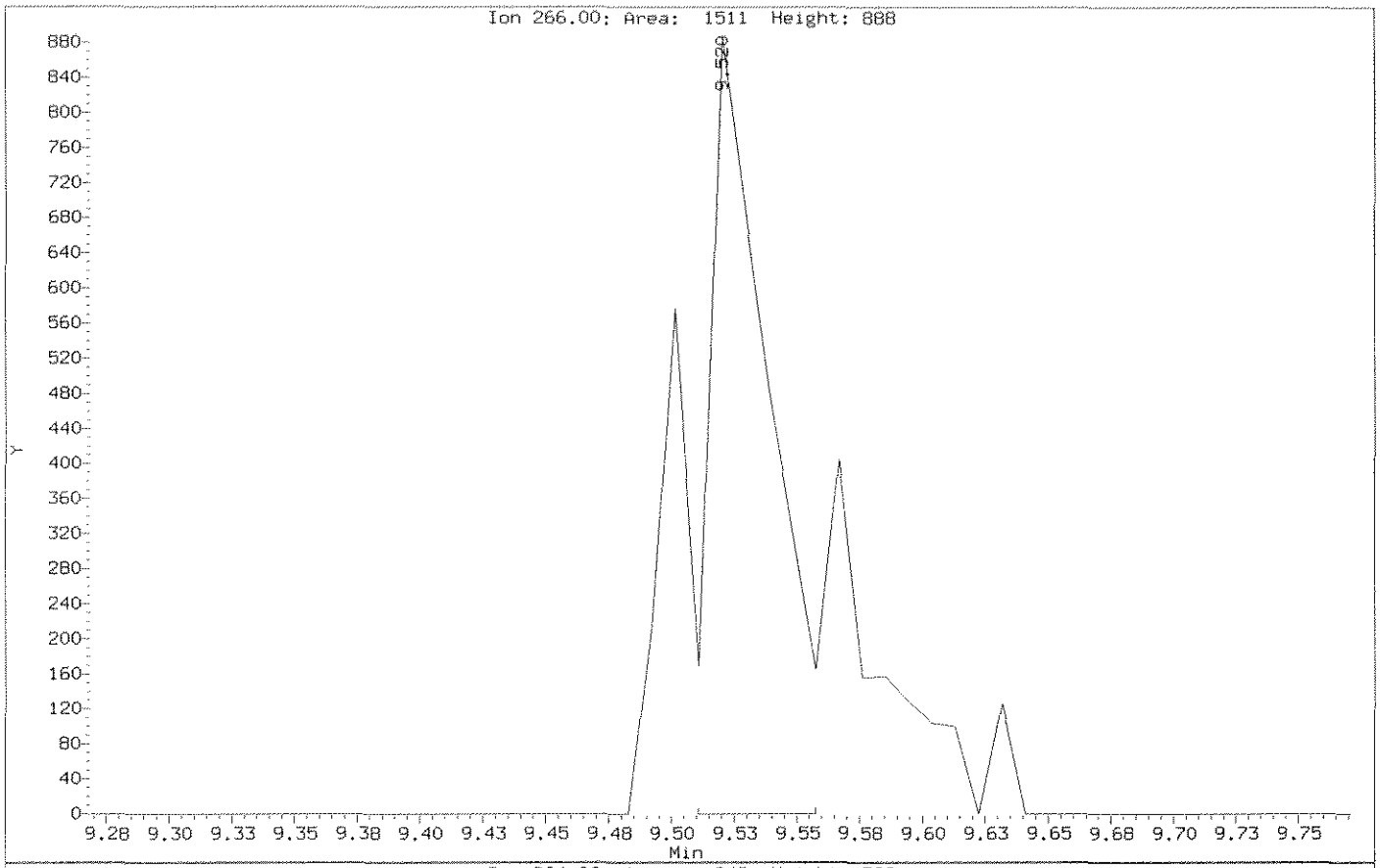
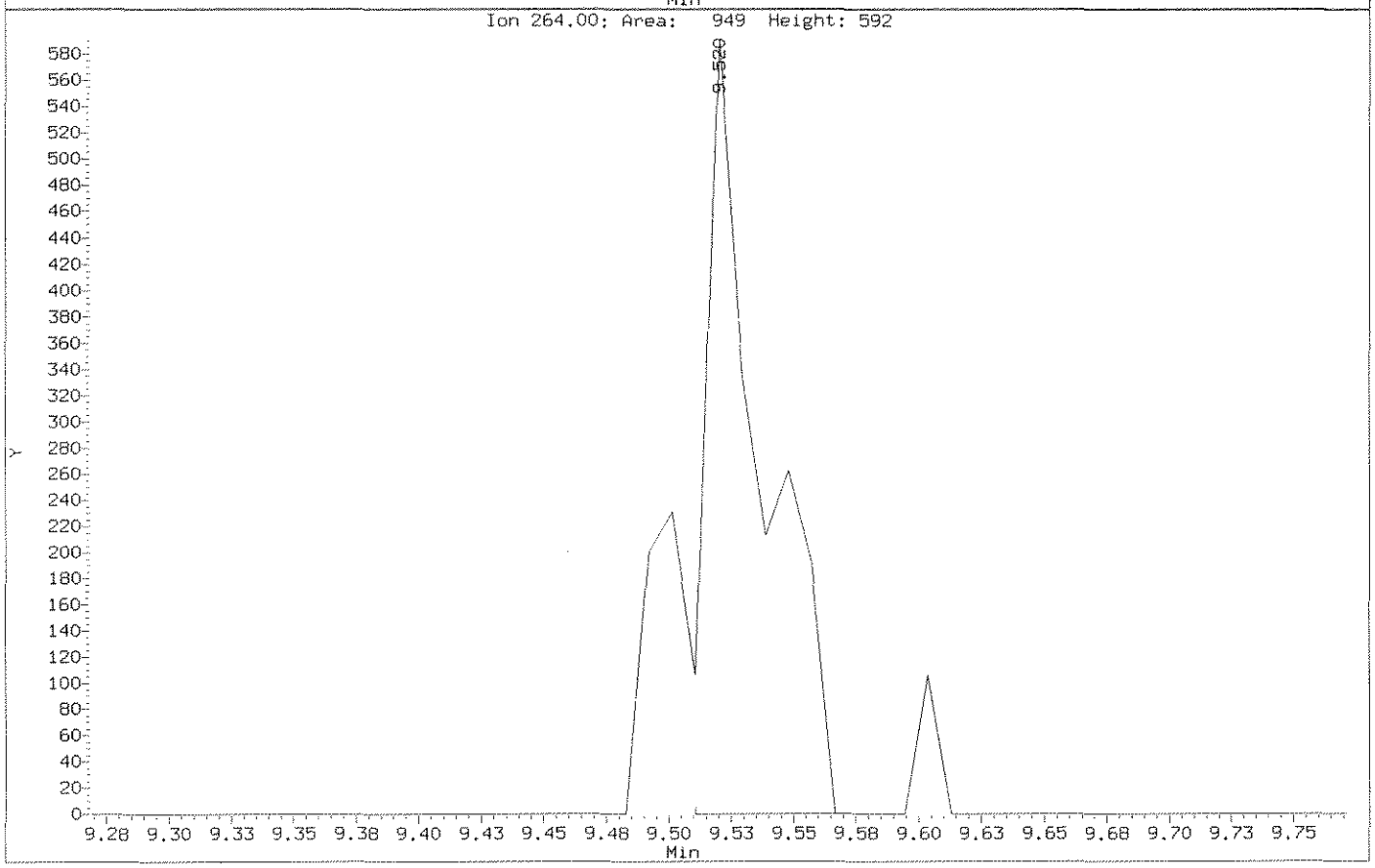
Data File: \\ELABNSHO5\TARGET\chem\bna4.i\041911B4E.b\SEQ-CAL4.D
Injection Date: 19-APR-2011 16:15
Instrument: bna4.i
Client Sample ID: SEQ-CAL4

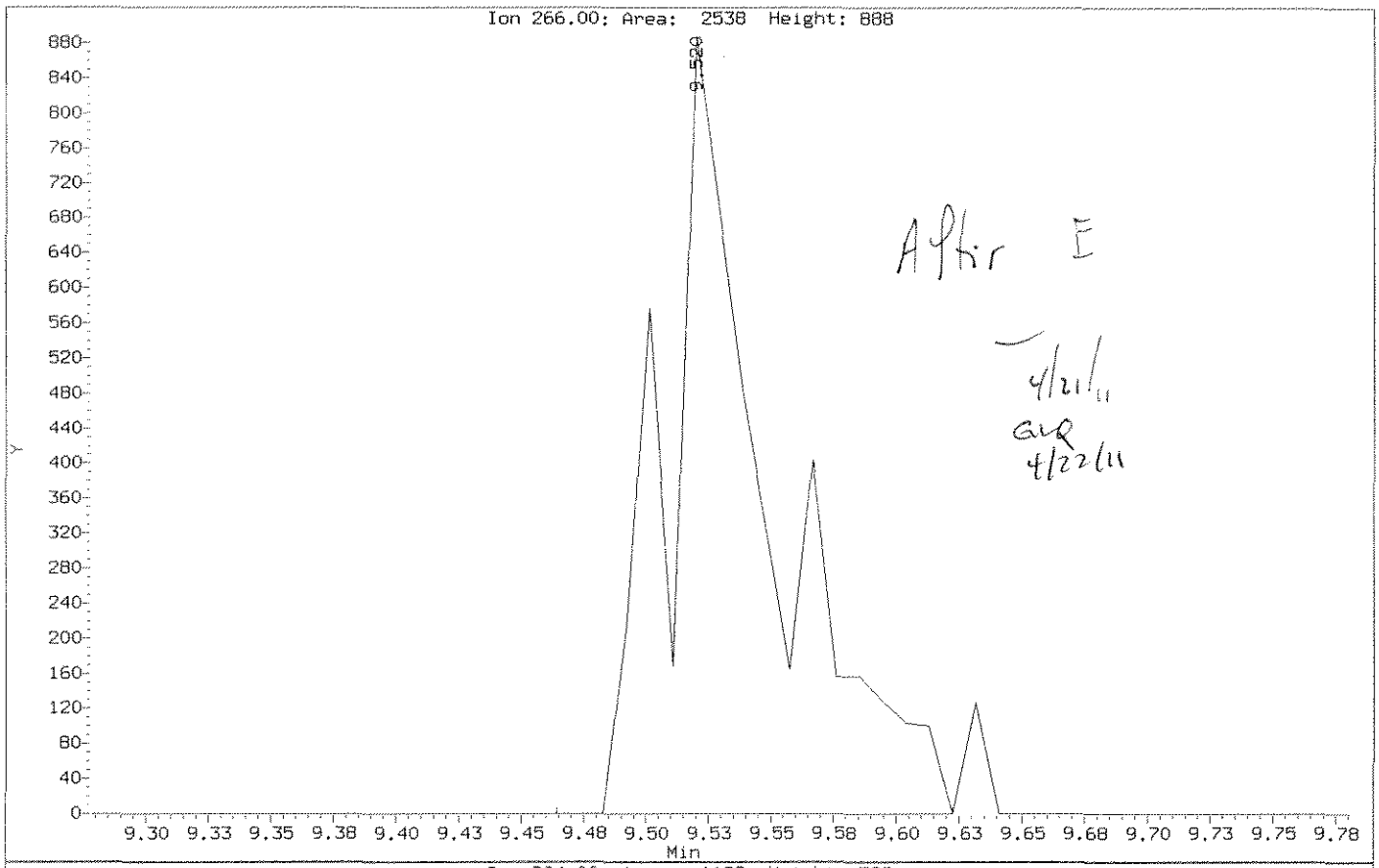
Compound: Pentachlorophenol
CAS Number: 87-86-5





Data File: \\ELABNSHO5\TARGET\chem\bna4.i\041911B4E.b\SEQ-CAL4.D
Injection Date: 19-APR-2011 16:15
Instrument: bna4.i
Client Sample ID: SEQ-CAL4

Compound: Pentachlorophenol
CAS Number: 87-86-5



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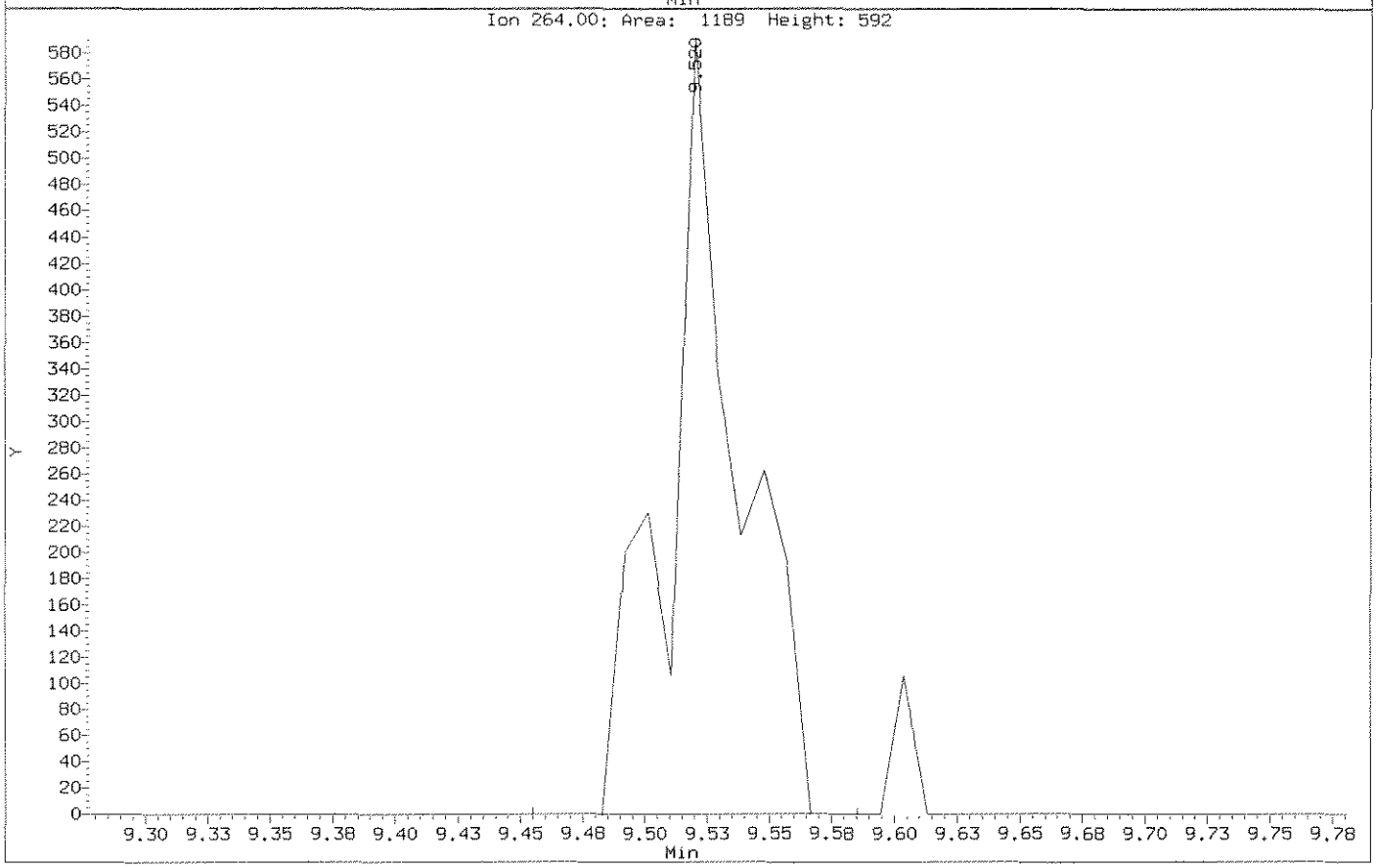

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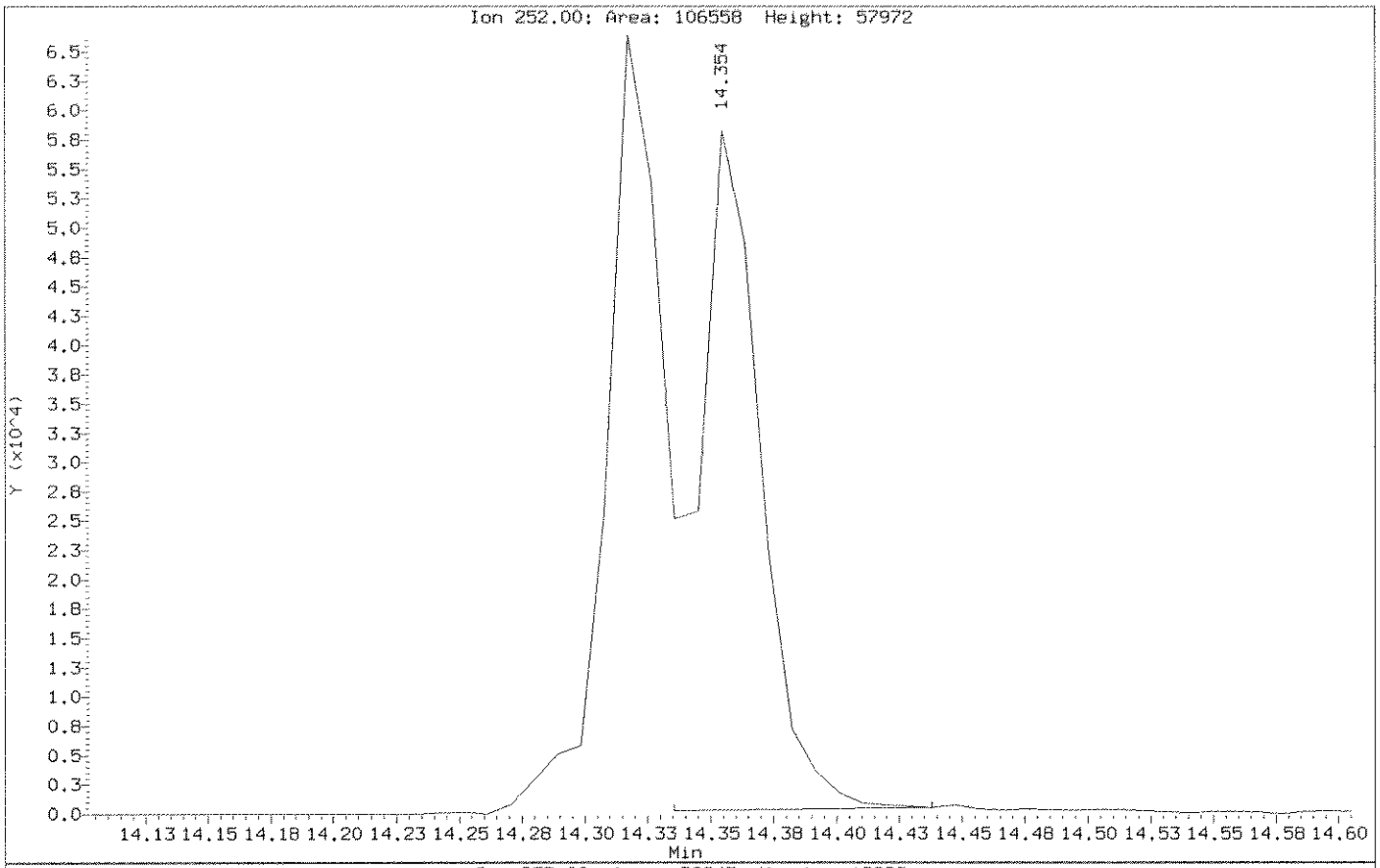
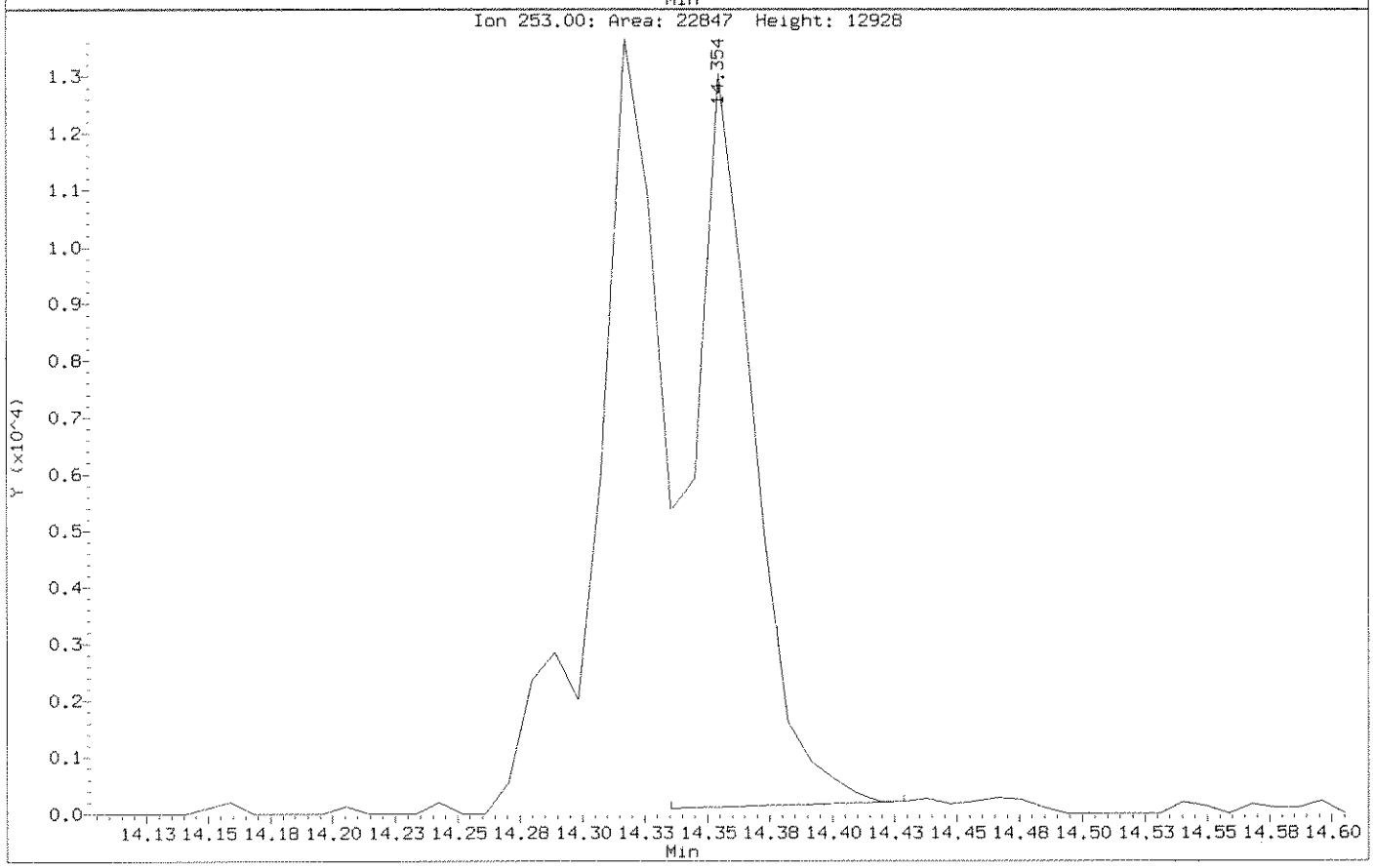
Injection Date: 19-APR-2011 16:15
Instrument: bna4.i
Client Sample ID: SEQ-CAL4

Compound: Benzo(b)fluoranthene
CAS Number: 205-99-2





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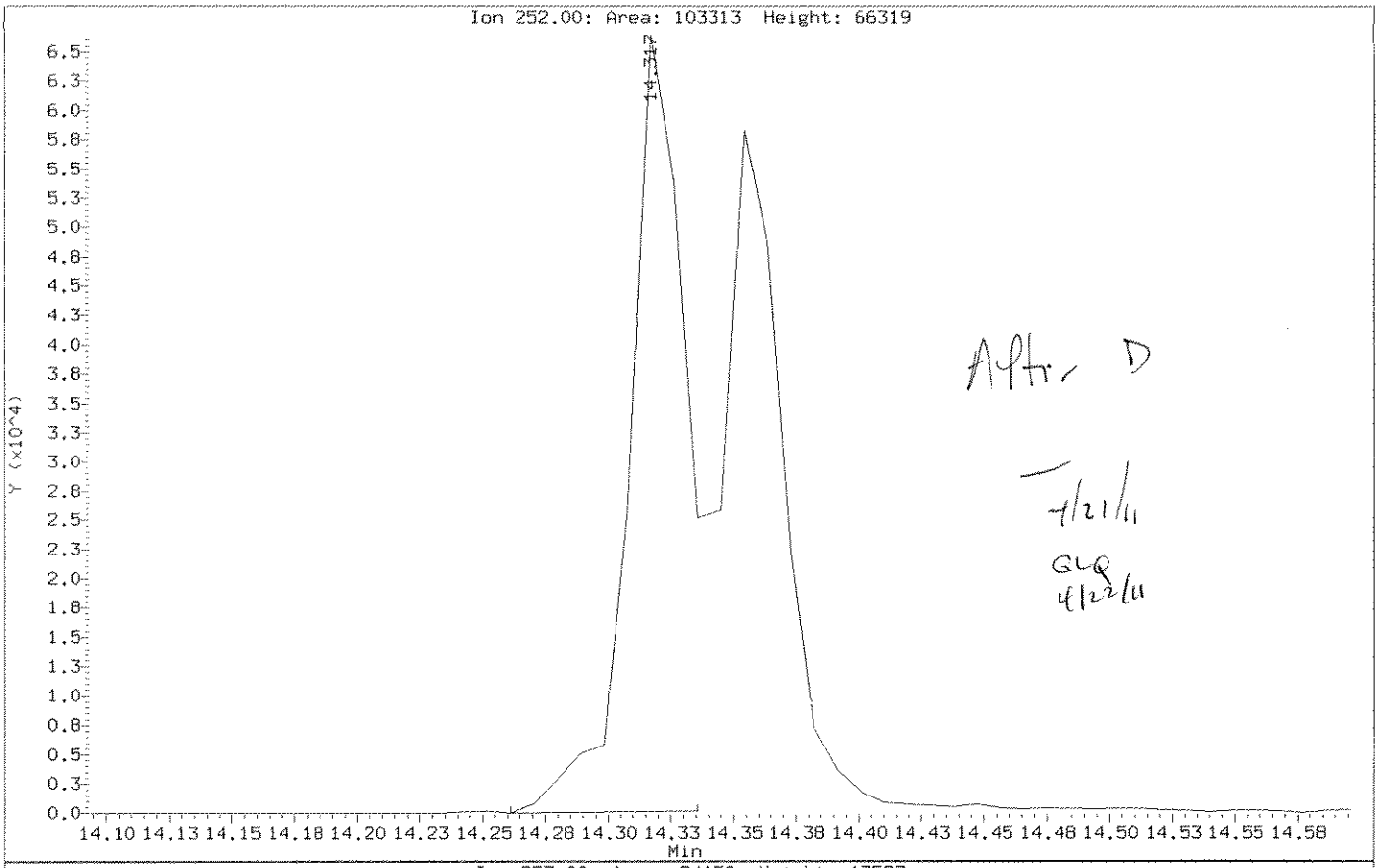
Injection Date: 19-APR-2011 16:15
Instrument: bna4.i
Client Sample ID: SEQ-CAL4

Compound: Benzo(b)fluoranthene
CAS Number: 205-99-2



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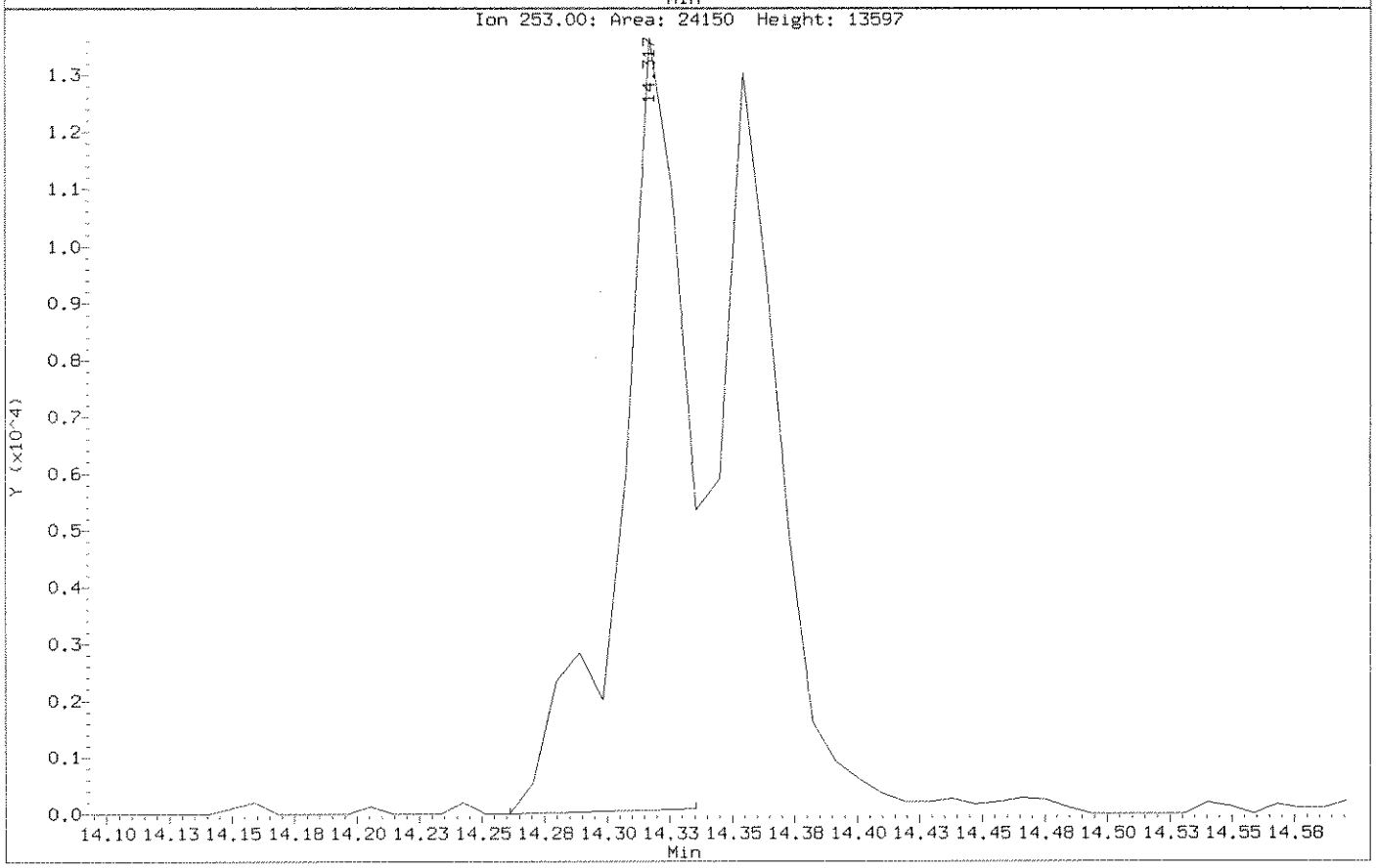

Data File: \\ELABNSH05\TARGET\chem\bna4.i\041911B4E.b\SEQ-CAL5.D
Report Date: 20-Apr-2011 14:23

Laboratory Name

Data file : \\ELABNSH05\TARGET\chem\bna4.i\041911B4E.b\SEQ-CAL5.D
Lab Smp Id: SEQ-CAL5 Client Smp ID: SEQ-CAL5
Inj Date : 19-APR-2011 16:41 MS Autotune Date: 13-JAN-2011 12:07
Operator : MEC Inst ID: bna4.i
Smp Info : CAL-5.00PPM;;;;;11C0011
Misc Info : ;1;;;5;;pahsurmis.sub;
Comment :
Method : \\ELABNSH05\TARGET\chem\bna4.i\041911B4E.b\IXBN4LOW.m
Meth Date : 20-Apr-2011 14:23 mcobb Quant Type: ISTD
Cal Date : 19-APR-2011 14:56 Cal File: SEQ-CAL1.D
Als bottle: 8 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: pahsurmis.sub
Target Version: 4.04
Processing Host: TARGET09_VM

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng/ul)	ON-COL (ng/ul)		
*	102 Phenanthrene-d10	188	9.706	9.706	(1.000)	139906	1.00000			
	4 1,4-Dioxane	88	1.794	1.794	(0.185)	144665	5.00000	5.784		
	21 N-Nitroso-di-n-propylamine	70	4.853	4.853	(0.500)	203049	5.00000	5.266		
	39 Isophorone	82	5.299	5.299	(0.546)	625093	5.00000	5.227		
	51 Naphthalene	128	5.829	5.829	(0.601)	902061	5.00000	5.087		
	53 Hexachlorobutadiene	225	5.978	5.978	(0.616)	165322	5.00000	5.070		
	55 2-Methylnaphthalene	142	6.656	6.656	(0.686)	576315	5.00000	4.955		
	56 1-Methylnaphthalene	142	6.768	6.768	(0.697)	569501	5.00000	4.989		
	70 Hexachlorocyclopentadiene	237	6.833	6.833	(0.704)	49720	5.00000	3.974		
$	74 2-Fluorobiphenyl	172	7.103	7.103	(0.732)	608125	5.00000	5.095		
	77 Acenaphthylene	152	7.726	7.726	(0.796)	870869	5.00000	5.154		
	80 Acenaphthene	153	7.939	7.939	(0.818)	558495	5.00000	4.884		
	88 Fluorene	166	8.572	8.572	(0.883)	570182	5.00000	5.052		
	110 Pentachlorophenol	266	9.510	9.510	(0.980)	47349	5.00000	4.819		
$	107 2,4,6-Tribromophenol	330	8.869	8.869	(0.914)	226910	~~5.00000~~	~~5.227~~	10.0000	10.45
	111 Phenanthrene	178	9.734	9.734	(1.003)	804257	5.00000	5.004		
	109 Hexachlorobenzene	284	9.232	9.232	(0.951)	222807	5.00000	4.916		
	112 Anthracene	178	9.799	9.799	(1.010)	799258	5.00000	4.918		
	116 Fluoranthene	202	11.184	11.184	(1.152)	773211	5.00000	4.976		
	134 Pyrene	202	11.453	11.453	(1.180)	788176	5.00000	5.044		
*	154 Perylene-d12	264	14.837	14.837	(1.000)	67192	1.00000			
$	135 Terphenyl-d14	244	11.677	11.677	(1.203)	485183	5.00000	4.956		
	138 Benzo(a)anthracene	228	12.932	12.932	(1.332)	529679	5.00000	4.857		
	139 Chrysene	228	12.969	12.969	(1.336)	514731	5.00000	4.899		
	140 Bis(2-ethylhexyl)phthalate	149	13.025	13.025	(0.878)	621631	5.00000	4.826		
	155 Di-n-octylphthalate	149	13.852	13.852	(0.934)	905701	5.00000	4.816		

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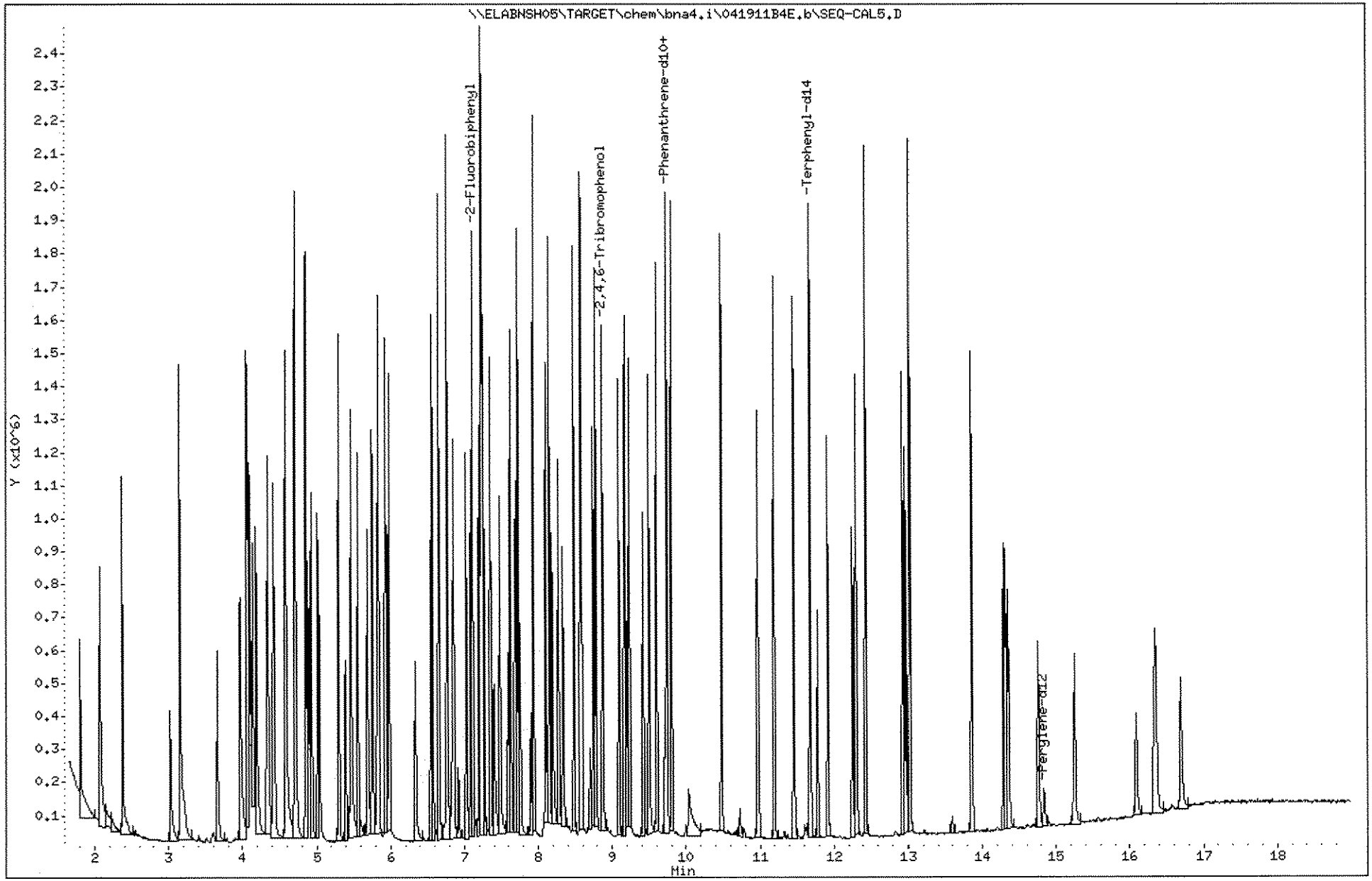
Data File: \\ELABNSH05\TARGET\chem\bna4.i\041911B4E.b\SEQ-CAL5.D
Report Date: 20-Apr-2011 14:23

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng/ul)	AMOUNTS ON-COL (ng/ul)
156 Benzo(b)fluoranthene	252	14.317	14.317	(0.965)	480620	5.00000	5.196(M)
157 Benzo(k)fluoranthene	252	14.354	14.354	(0.967)	467914	5.00000	5.248
158 Benzo(a)pyrene	252	14.763	14.763	(0.995)	364147	5.00000	5.111
159 Indeno(1,2,3-cd)pyrene	276	16.334	16.334	(1.101)	332207	5.00000	5.100
160 Dibenz(a,h)anthracene	278	16.353	16.353	(1.102)	267573	5.00000	5.050
161 Benzo(g,h,i)perylene	276	16.687	16.687	(1.125)	290343	5.00000	5.139

QC Flag Legend

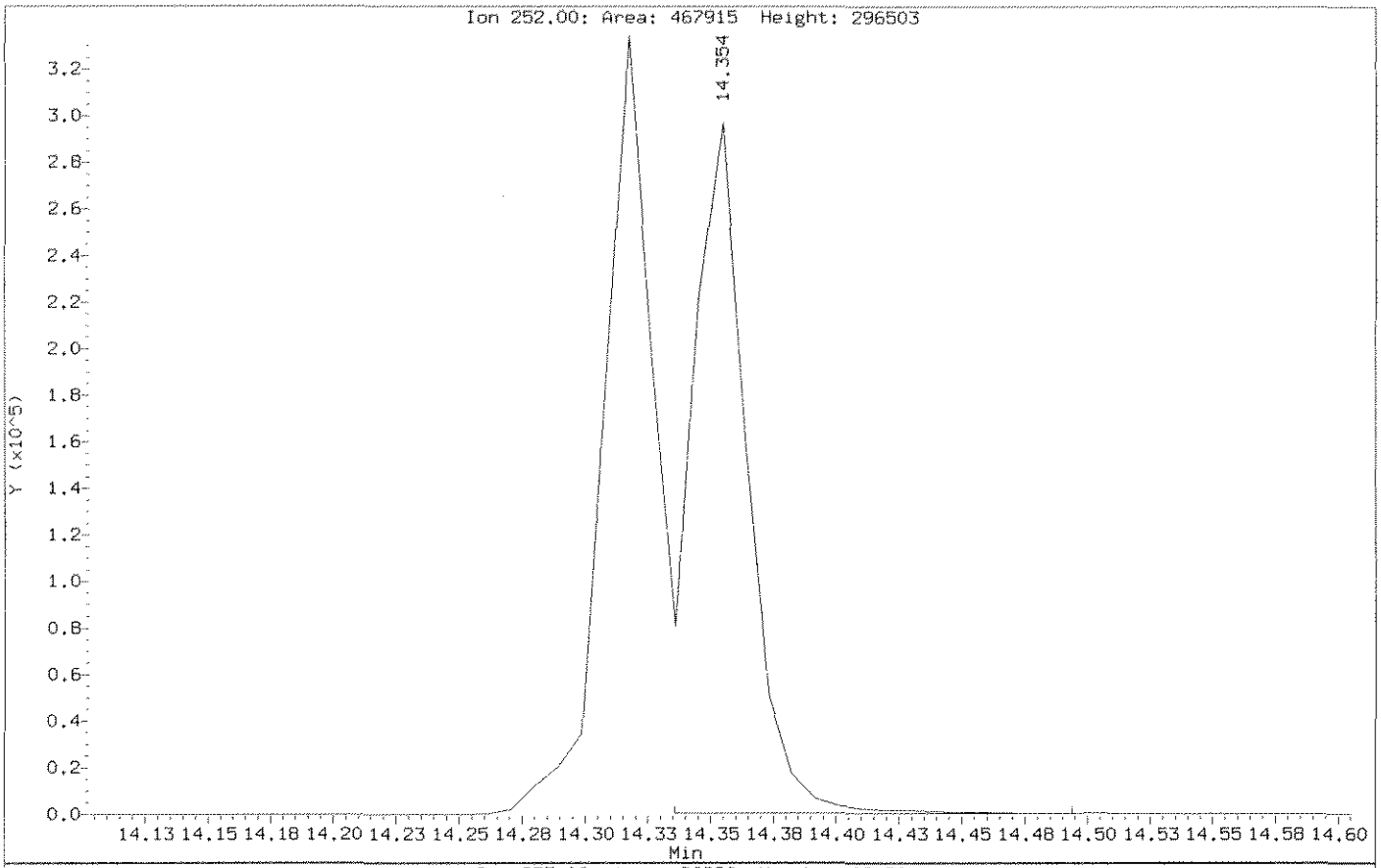
M - Compound response manually integrated.

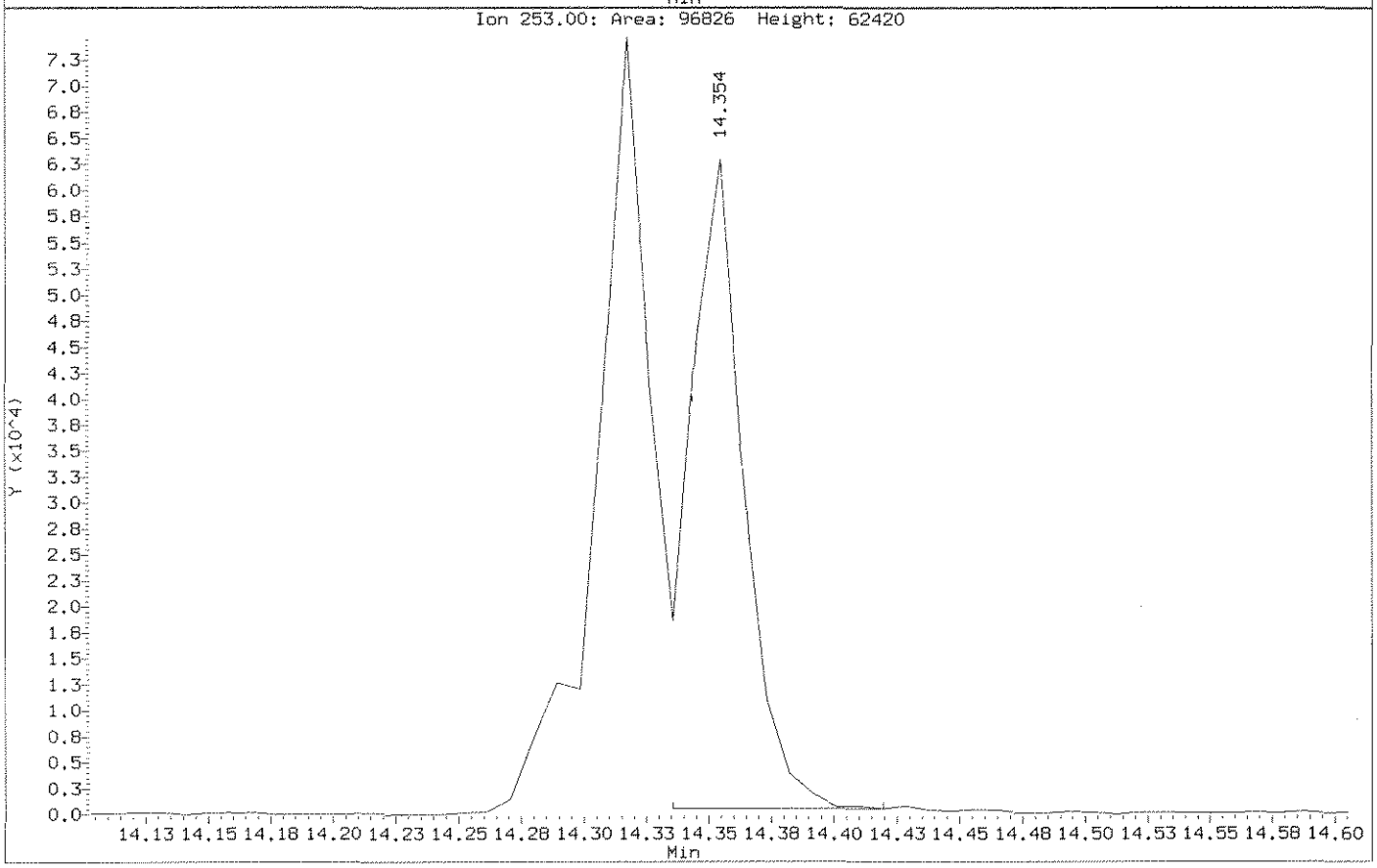
Data File: \\ELABNSH05\TARGET\chem\bna4.i\041911B4E.b\SEQ-CAL5.D
Date : 19-APR-2011 16:41
Client ID: SEQ-CAL5
Instrument: bna4.i
Sample Info: CAL-5.00PPM;;;;;11C0011
Operator: MEC
Column phase: fused silica
Column diameter: 0.25



Data File: \\ELABNSHO5\TARGET\chem\bna4.i\041911B4E.b\SEQ-CAL5.D
Injection Date: 19-APR-2011 16:41
Instrument: bna4.i
Client Sample ID: SEQ-CAL5

Compound: Benzo(b)fluoranthene
CAS Number: 205-99-2





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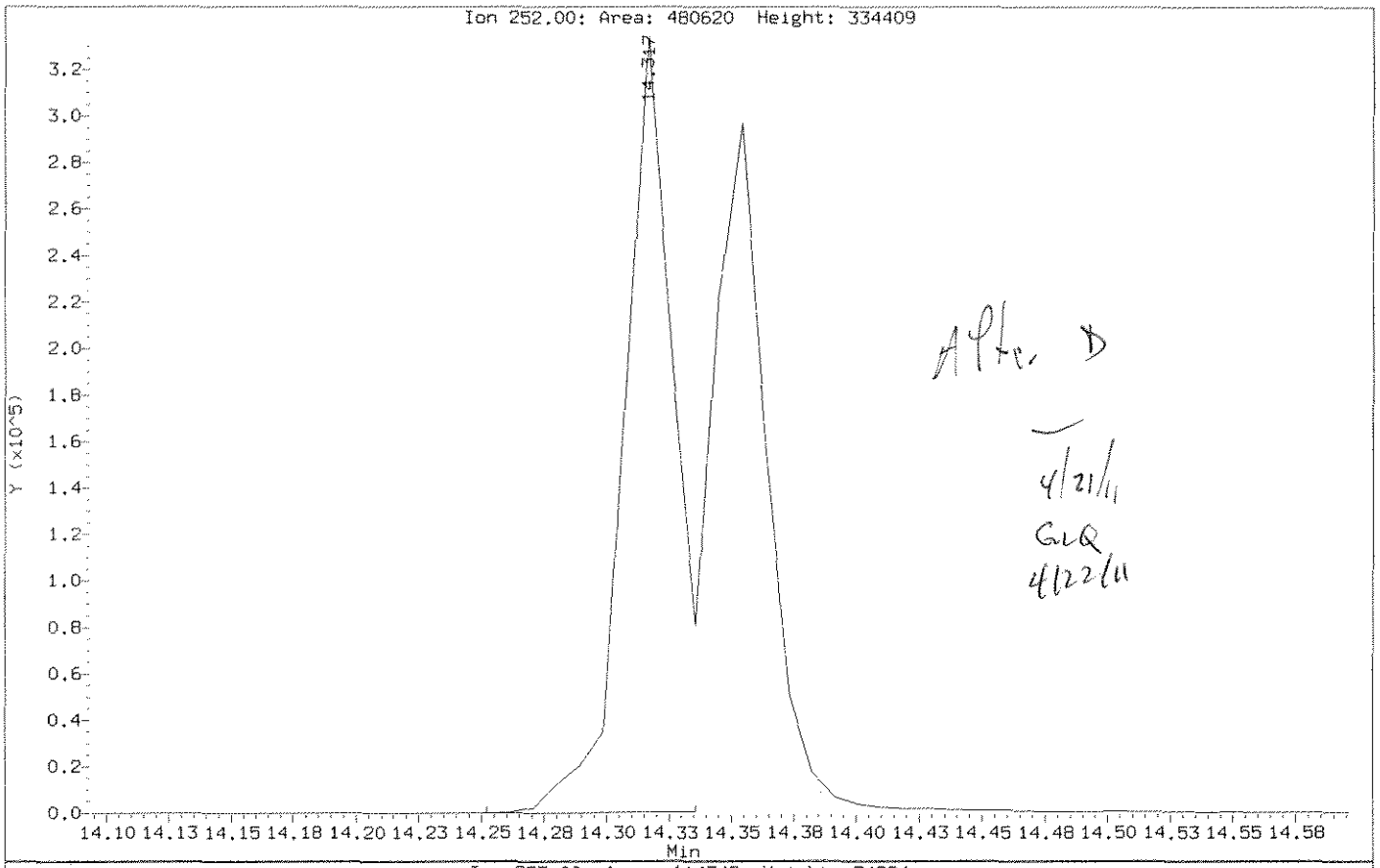
Injection Date: 19-APR-2011 16:41
Instrument: bna4.i
Client Sample ID: SEQ-CAL5

Compound: Benzo(b)fluoranthene
CAS Number: 205-99-2



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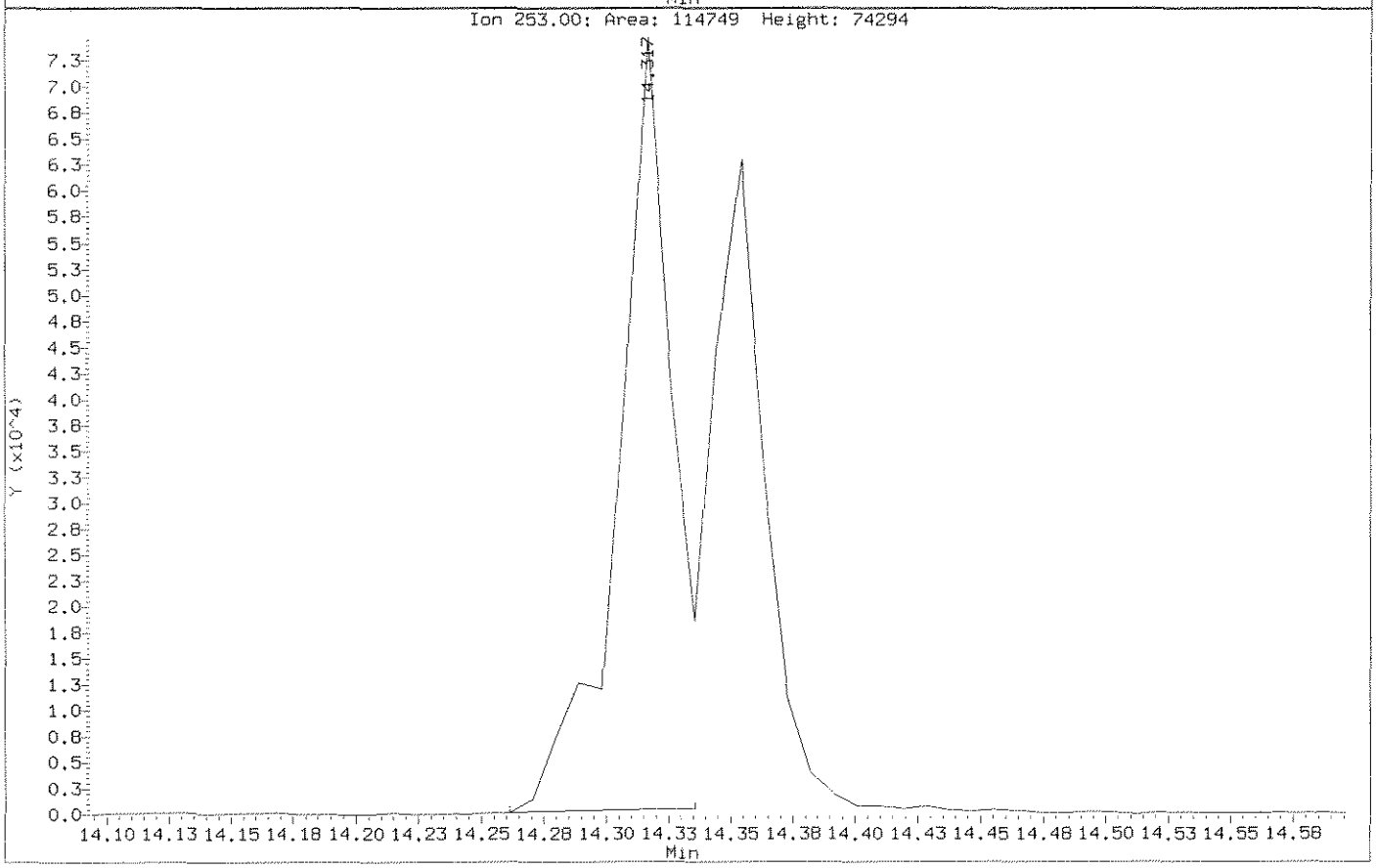

Data File: \\ELABNSH05\TARGET\chem\bna4.i\041911B4E.b\SEQ-CAL6.D
Report Date: 20-Apr-2011 14:23

Laboratory Name

Data file : \\ELABNSH05\TARGET\chem\bna4.i\041911B4E.b\SEQ-CAL6.D
Lab Smp Id: SEQ-CAL6 Client Smp ID: SEQ-CAL6
Inj Date : 19-APR-2011 17:07 MS Autotune Date: 13-JAN-2011 12:07
Operator : MEC Inst ID: bna4.i
Smp Info : CAL-10.0PPM;;;;;11C0012
Misc Info : ;1;;;6;;pahsurmis.sub;
Comment :
Method : \\ELABNSH05\TARGET\chem\bna4.i\041911B4E.b\IXBN4LOW.m
Meth Date : 20-Apr-2011 14:23 mcobb Quant Type: ISTD
Cal Date : 19-APR-2011 14:56 Cal File: SEQ-CAL1.D
Als bottle: 9 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: pahsurmis.sub
Target Version: 4.04
Processing Host: TARGET09_VM

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng/ul)	ON-COL (ng/ul)	
*	102 Phenanthrene-d10	188	9.705	9.705	(1.000)	133594	1.00000		
	4 1,4-Dioxane	88	1.794	1.794	(0.185)	251540	10.0000	10.53(M)	
	21 N-Nitroso-di-n-propylamine	70	4.853	4.853	(0.500)	390908	10.0000	10.62	
	39 Isophorone	82	5.299	5.299	(0.546)	1206538	10.0000	10.57	
	51 Naphthalene	128	5.838	5.838	(0.602)	1755703	10.0000	10.37	
	53 Hexachlorobutadiene	225	5.978	5.978	(0.616)	327089	10.0000	10.50	
	55 2-Methylnaphthalene	142	6.656	6.656	(0.686)	1130511	10.0000	10.18	
	56 1-Methylnaphthalene	142	6.768	6.768	(0.697)	1126589	10.0000	10.34	
	70 Hexachlorocyclopentadiene	237	6.842	6.842	(0.705)	142277	10.0000	9.640	
$	74 2-Fluorobiphenyl	172	7.112	7.112	(0.733)	1206681	10.0000	10.59	
	77 Acenaphthylene	152	7.735	7.735	(0.797)	1696029	10.0000	10.51	
	80 Acenaphthene	153	7.939	7.939	(0.818)	1113671	10.0000	10.20	
	88 Fluorene	166	8.571	8.571	(0.883)	1102194	10.0000	10.23	
	110 Pentachlorophenol	266	9.510	9.510	(0.980)	117620	10.0000	9.388	
$	107 2,4,6-Tribromophenol	330	8.869	8.869	(0.914)	460066	~~10.0000~~	~~11.10~~ 20.0000	22.2c
	111 Phenanthrene	178	9.733	9.733	(1.003)	1533578	10.0000	9.992	
	109 Hexachlorobenzene	284	9.241	9.241	(0.952)	444599	10.0000	10.27	
	112 Anthracene	178	9.798	9.798	(1.010)	1530037	10.0000	9.859	
	116 Fluoranthene	202	11.184	11.184	(1.152)	1475331	10.0000	9.943	
	134 Pyrene	202	11.453	11.453	(1.180)	1477053	10.0000	9.899	
*	154 Perylene-d12	264	14.846	14.846	(1.000)	60305	1.00000		
$	135 Terphenyl-d14	244	11.676	11.676	(1.203)	917416	10.0000	9.814	
	138 Benzo(a)anthracene	228	12.931	12.931	(1.332)	952332	10.0000	9.145	
	139 Chrysene	228	12.978	12.978	(1.337)	924954	10.0000	9.219	
	140 Bis(2-ethylhexyl)phthalate	149	13.024	13.024	(0.877)	1189698	10.0000	10.36	
	155 Di-n-octylphthalate	149	13.861	13.861	(0.934)	1743706	10.0000	9.812	

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Data File: \\ELABNSH05\TARGET\chem\bna4.i\041911B4E.b\SEQ-CAL6.D
Report Date: 20-Apr-2011 14:23

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng/ul)	AMOUNTS ON-COL (ng/ul)
156 Benzo(b)fluoranthene	252	14.316	14.316	(0.964)	869138	10.0000	10.47
157 Benzo(k)fluoranthene	252	14.354	14.354	(0.967)	834279	10.0000	10.42
158 Benzo(a)pyrene	252	14.763	14.763	(0.994)	645653	10.0000	10.10
159 Indeno(1,2,3-cd)pyrene	276	16.334	16.334	(1.100)	603870	10.0000	10.33
160 Dibenz(a,h)anthracene	278	16.352	16.352	(1.101)	478497	10.0000	10.06
161 Benzo(g,h,i)perylene	276	16.687	16.687	(1.124)	522592	10.0000	10.31

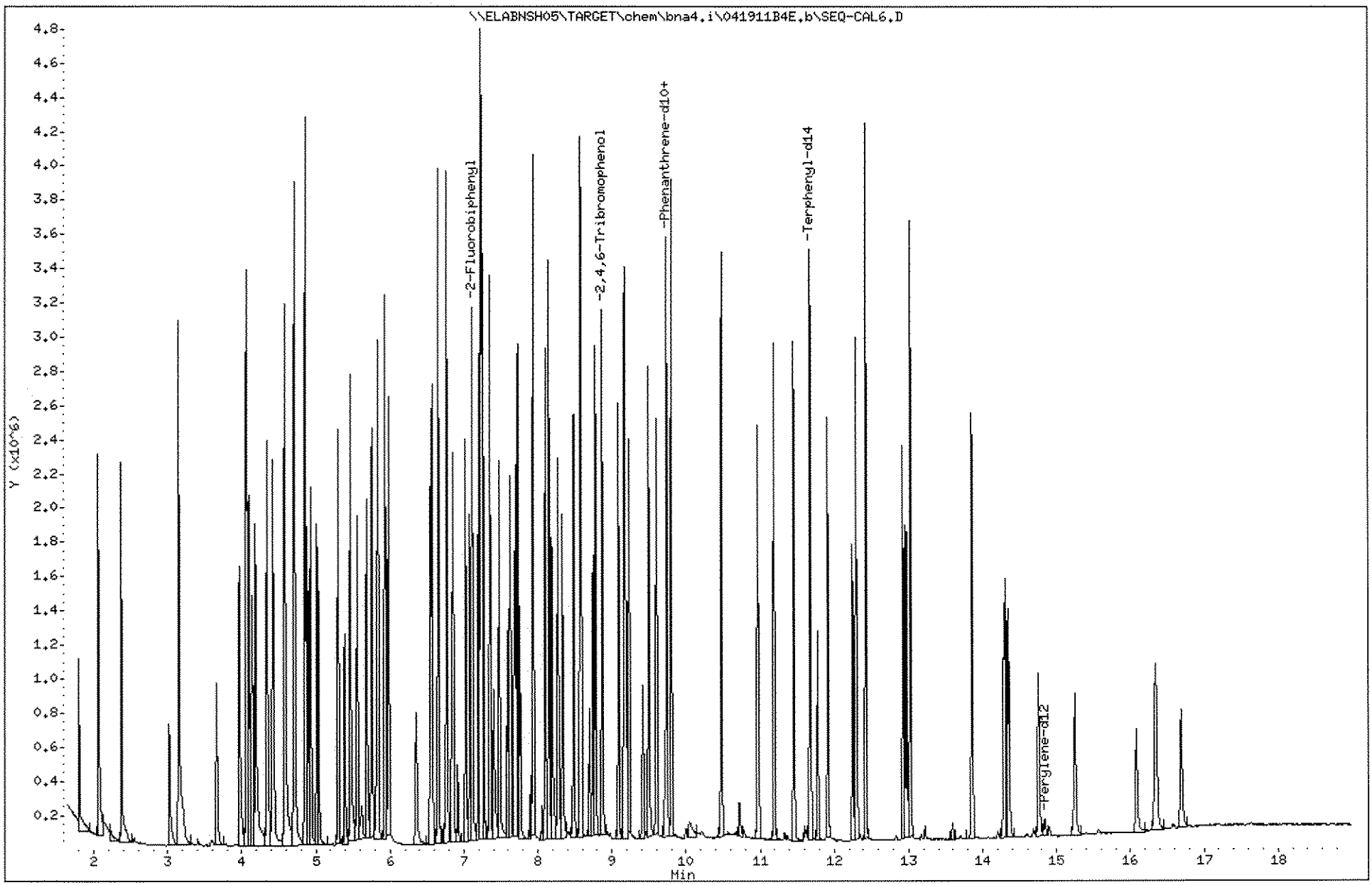
QC Flag Legend

M - Compound response manually integrated.

Data File: \\ELABNSH05\TARGET\chem\bna4.i\041911B4E.b\SEQ-CAL6.D
Date : 19-APR-2011 17:07
Client ID: SEQ-CAL6
Sample Info: CAL-10.0PPM;;;;;11C0012

Instrument: bna4.i

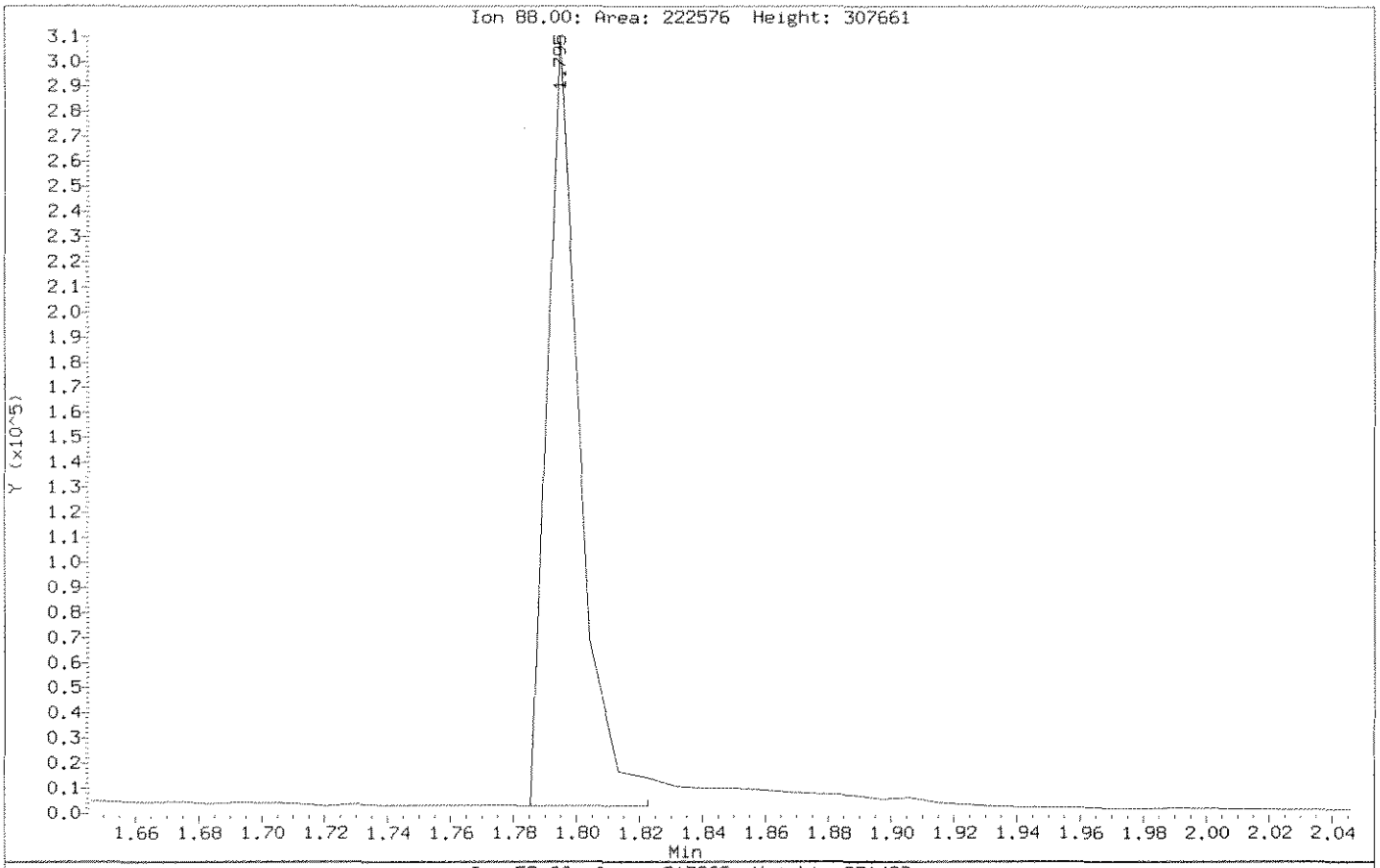
Operator: MEC
Column phase: fused silica
Column diameter: 0.25

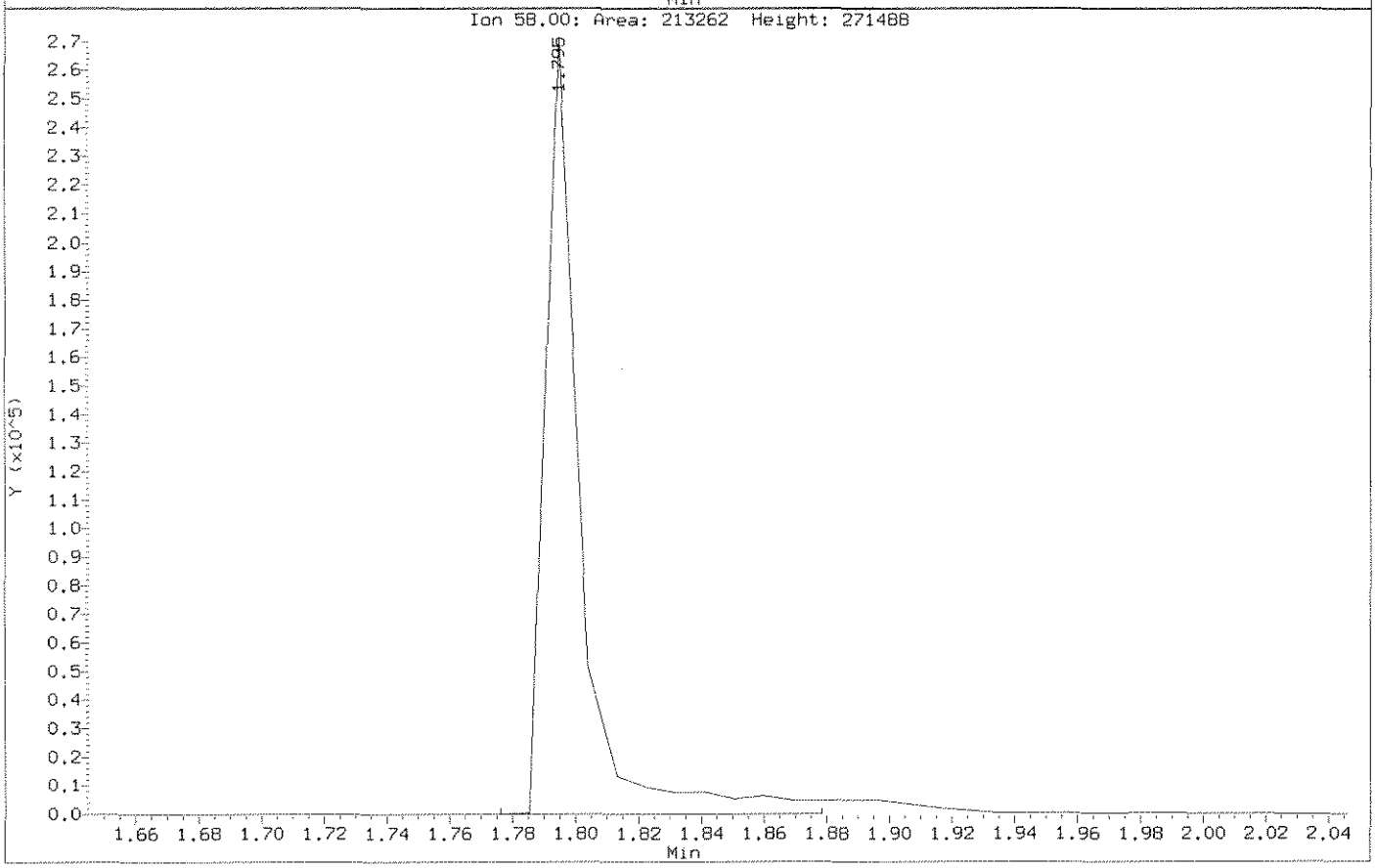


CTOJM29_002

Data File: \\ELABNSHO5\TARGET\chem\bna4.i\041911B4E.b\SEQ-CAL6.D
Injection Date: 19-APR-2011 17:07
Instrument: bna4.i
Client Sample ID: SEQ-CAL6

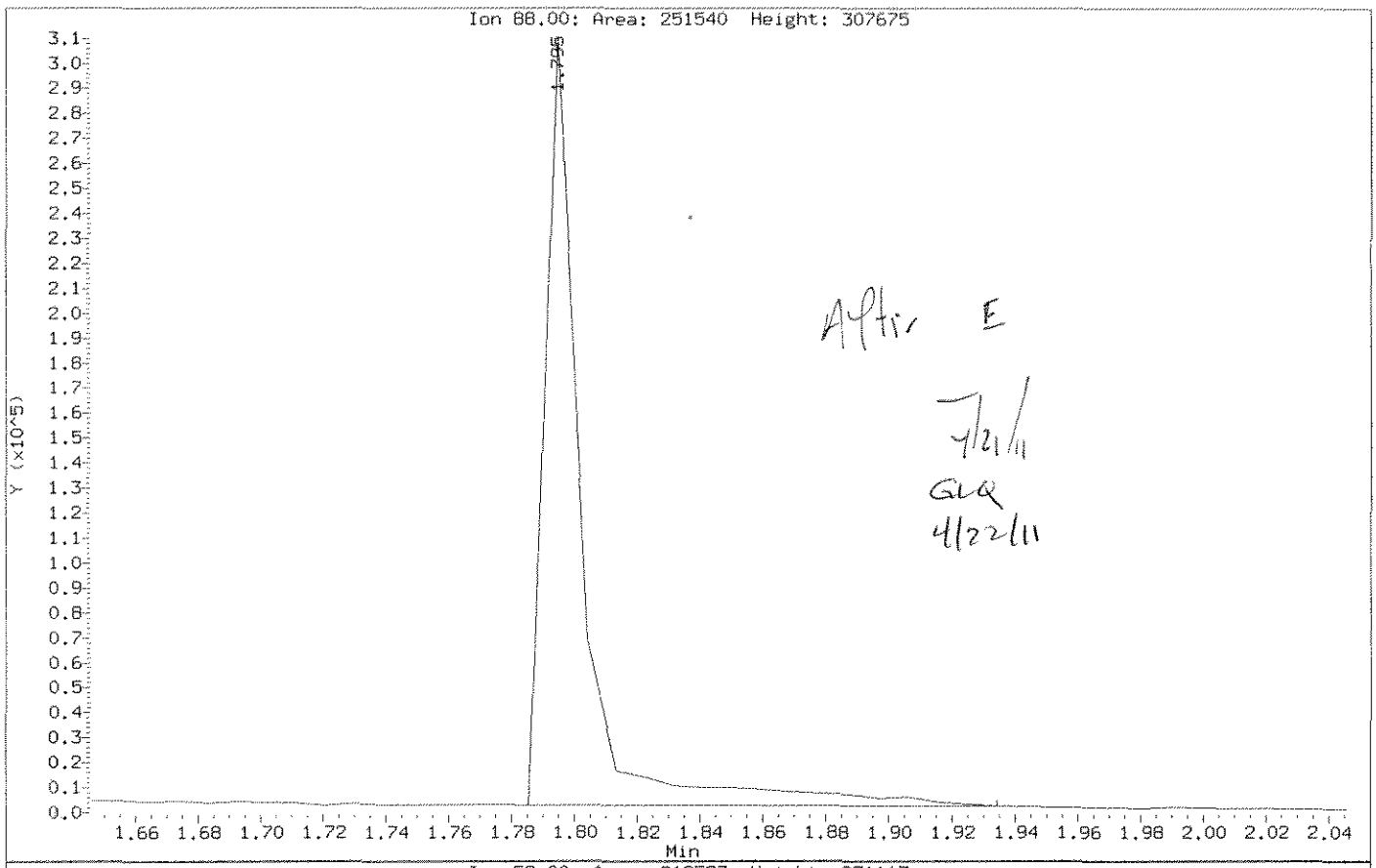
Compound: 1,4-Dioxane
CAS Number: 123-91-1



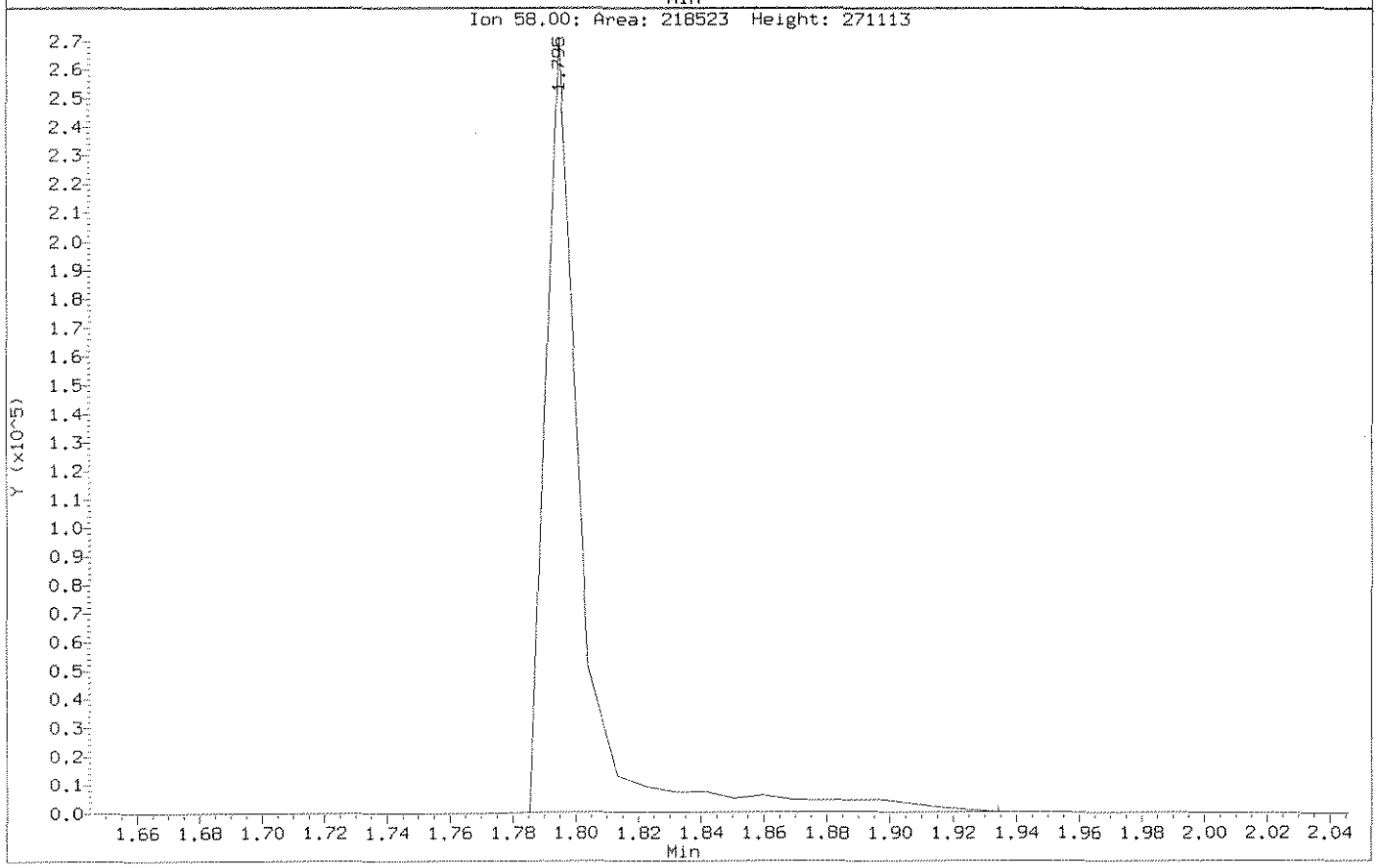


Data File: \\ELABNSHO5\TARGET\chem\bna4.i\041911B4E.b\SEQ-CAL6.D
Injection Date: 19-APR-2011 17:07
Instrument: bna4.i
Client Sample ID: SEQ-CAL6

Compound: 1,4-Dioxane
CAS Number: 123-91-1



After E
7/21/11
GLQ
4/22/11



Data File: \\ELABNSH05\TARGET\chem\bna4.i\041911B4E.b\SEQ-CAL7.D
Report Date: 20-Apr-2011 14:24

Laboratory Name

Data file : \\ELABNSH05\TARGET\chem\bna4.i\041911B4E.b\SEQ-CAL7.D
Lab Smp Id: SEQ-CAL7 Client Smp ID: SEQ-CAL7
Inj Date : 19-APR-2011 17:33 MS Autotune Date: 13-JAN-2011 12:07
Operator : MEC Inst ID: bna4.i
Smp Info : CAL-20.0PPM;;;;;11C0013
Misc Info : ;1;;;7;;pahsurmis.sub;
Comment :
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Meth Date : 20-Apr-2011 14:24 mcobb Quant Type: ISTD
Cal Date : 19-APR-2011 14:56 Cal File: SEQ-CAL1.D
Als bottle: 10 Calibration Sample, Level: 7
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: pahsurmis.sub
Target Version: 4.04
Processing Host: TARGET09_VM

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng/ul)	ON-COL (ng/ul)
*	102 Phenanthrene-d10	188	9.715	9.715	(1.000)	138164	1.00000	
	4 1,4-Dioxane	88	1.794	1.794	(0.185)	434992	20.0000	17.61(M)
	21 N-Nitroso-di-n-propylamine	70	4.862	4.862	(0.501)	724534	20.0000	19.02
	39 Isophorone	82	5.308	5.308	(0.546)	2277291	20.0000	19.28
	51 Naphthalene	128	5.838	5.838	(0.601)	3344362	20.0000	19.10
	53 Hexachlorobutadiene	225	5.987	5.987	(0.616)	614563	20.0000	19.09
	55 2-Methylnaphthalene	142	6.656	6.656	(0.685)	2191697	20.0000	19.08
	56 1-Methylnaphthalene	142	6.777	6.777	(0.698)	2125517	20.0000	18.85
	70 Hexachlorocyclopentadiene	237	6.842	6.842	(0.704)	364903	20.0000	21.02
$	74 2-Fluorobiphenyl	172	7.112	7.112	(0.732)	2278054	20.0000	19.33
	77 Acenaphthylene	152	7.735	7.735	(0.796)	3155358	20.0000	18.91
	80 Acenaphthene	153	7.949	7.949	(0.818)	2194215	20.0000	19.43
	88 Fluorene	166	8.581	8.581	(0.883)	2259763	20.0000	20.27
	110 Pentachlorophenol	266	9.510	9.510	(0.979)	287665	20.0000	19.52
$	107 2,4,6-Tribromophenol	330	8.878	8.878	(0.914)	898208	~~20.0000~~	~~20.95~~ 40.0000 41.90
	111 Phenanthrene	178	9.743	9.743	(1.003)	3121364	20.0000	19.66
	109 Hexachlorobenzene	284	9.241	9.241	(0.951)	864986	20.0000	19.33
	112 Anthracene	178	9.808	9.808	(1.010)	3086613	20.0000	19.23
	116 Fluoranthene	202	11.193	11.193	(1.152)	3040611	20.0000	19.81
	134 Pyrene	202	11.463	11.463	(1.180)	3052676	20.0000	19.78
*	154 Perylene-d12	264	14.846	14.846	(1.000)	64432	1.00000	
$	135 Terphenyl-d14	244	11.686	11.686	(1.203)	1994301	20.0000	20.63
	138 Benzo(a)anthracene	228	12.931	12.931	(1.331)	2115856	20.0000	19.65
	139 Chrysene	228	12.978	12.978	(1.336)	1885473	20.0000	18.17
	140 Bis(2-ethylhexyl)phthalate	149	13.034	13.034	(0.878)	2547972	20.0000	20.84
	155 Di-n-octylphthalate	149	13.861	13.861	(0.934)	3859042	20.0000	19.84

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Data File: \\ELABNSH05\TARGET\chem\bna4.i\041911B4E.b\SEQ-CAL7.D
Report Date: 20-Apr-2011 14:24

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng/ul)	AMOUNTS ON-COL (ng/ul)
156 Benzo(b)fluoranthene	252	14.326	14.326	(0.965)	1981423	20.0000	22.34
157 Benzo(k)fluoranthene	252	14.363	14.363	(0.967)	1744866	20.0000	20.41
158 Benzo(a)pyrene	252	14.763	14.763	(0.994)	1418094	20.0000	20.76
159 Indeno(1,2,3-cd)pyrene	276	16.334	16.334	(1.100)	1289769	20.0000	20.65
160 Dibenz(a,h)anthracene	278	16.352	16.352	(1.101)	1056376	20.0000	20.79
161 Benzo(g,h,i)perylene	276	16.687	16.687	(1.124)	1103868	20.0000	20.38

QC Flag Legend

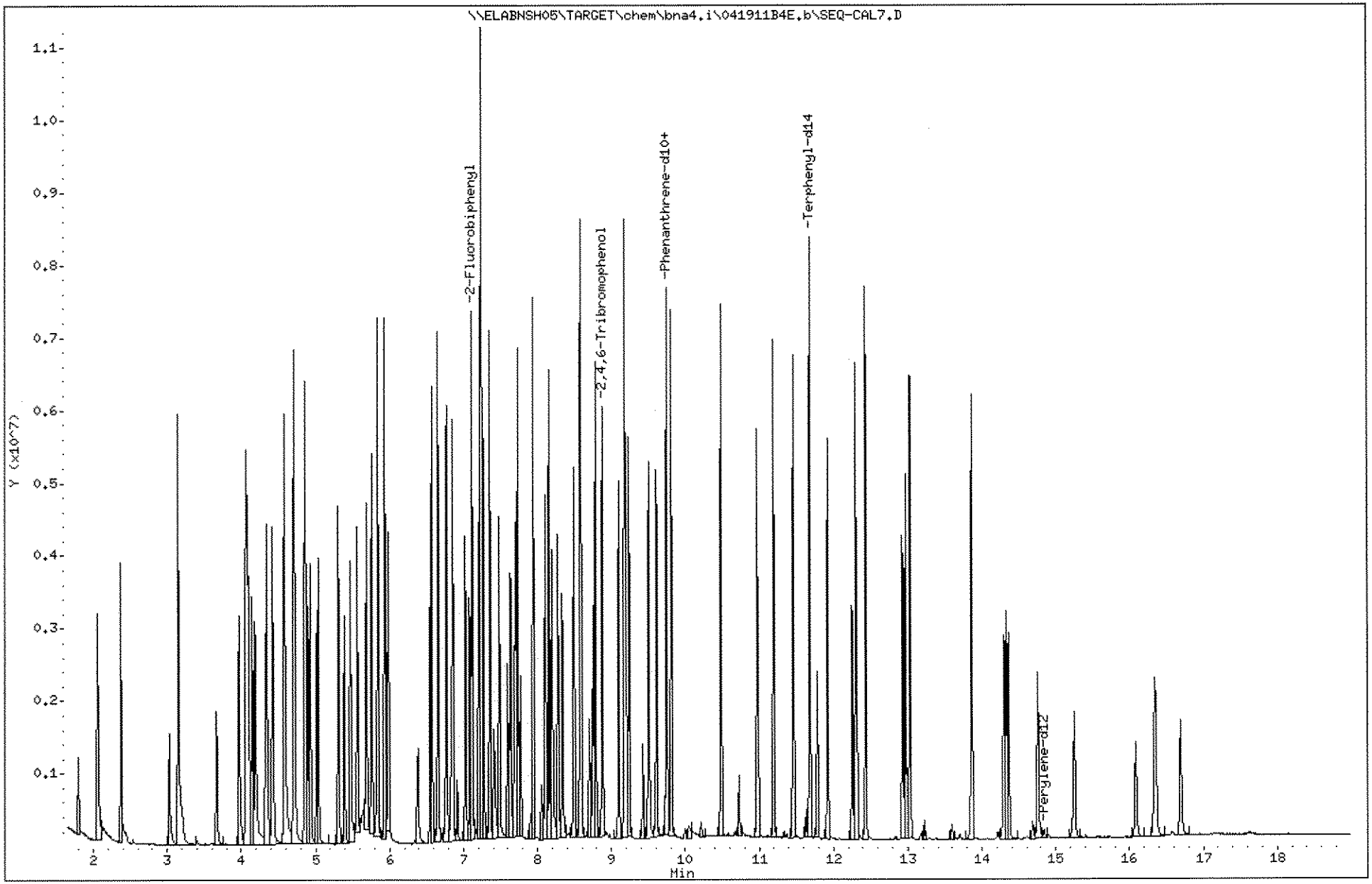
M - Compound response manually integrated.

Data File: \\ELABNSH05\TARGET\chem\bna4.i\041911B4E.b\SEQ-CAL7.D
Date : 19-APR-2011 17:33
Client ID: SEQ-CAL7
Sample Info: CAL-20.0PPM;;;;;11C0013

Instrument: bna4.i

Operator: MEC
Column diameter: 0.25

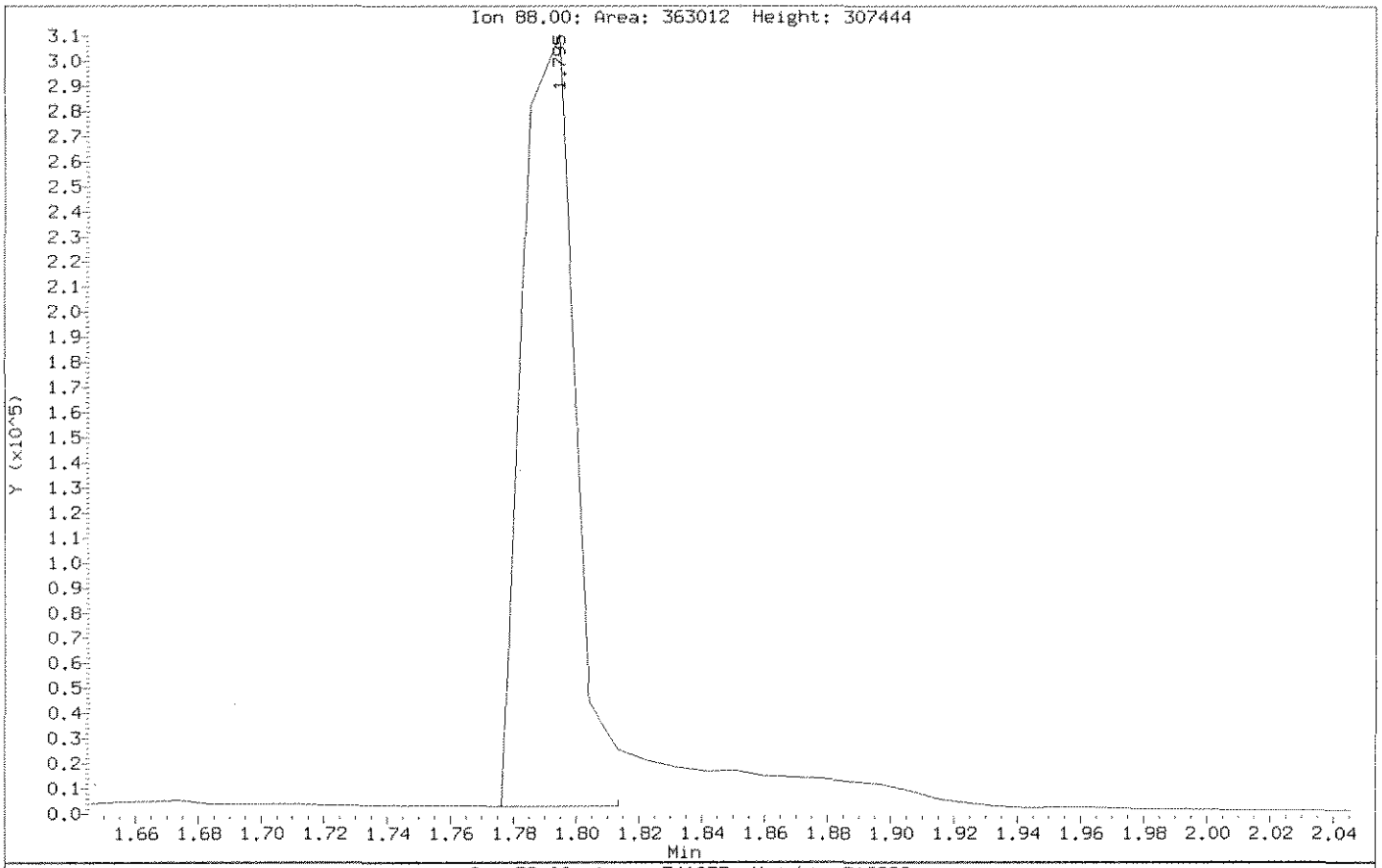
Column phase: fused silica

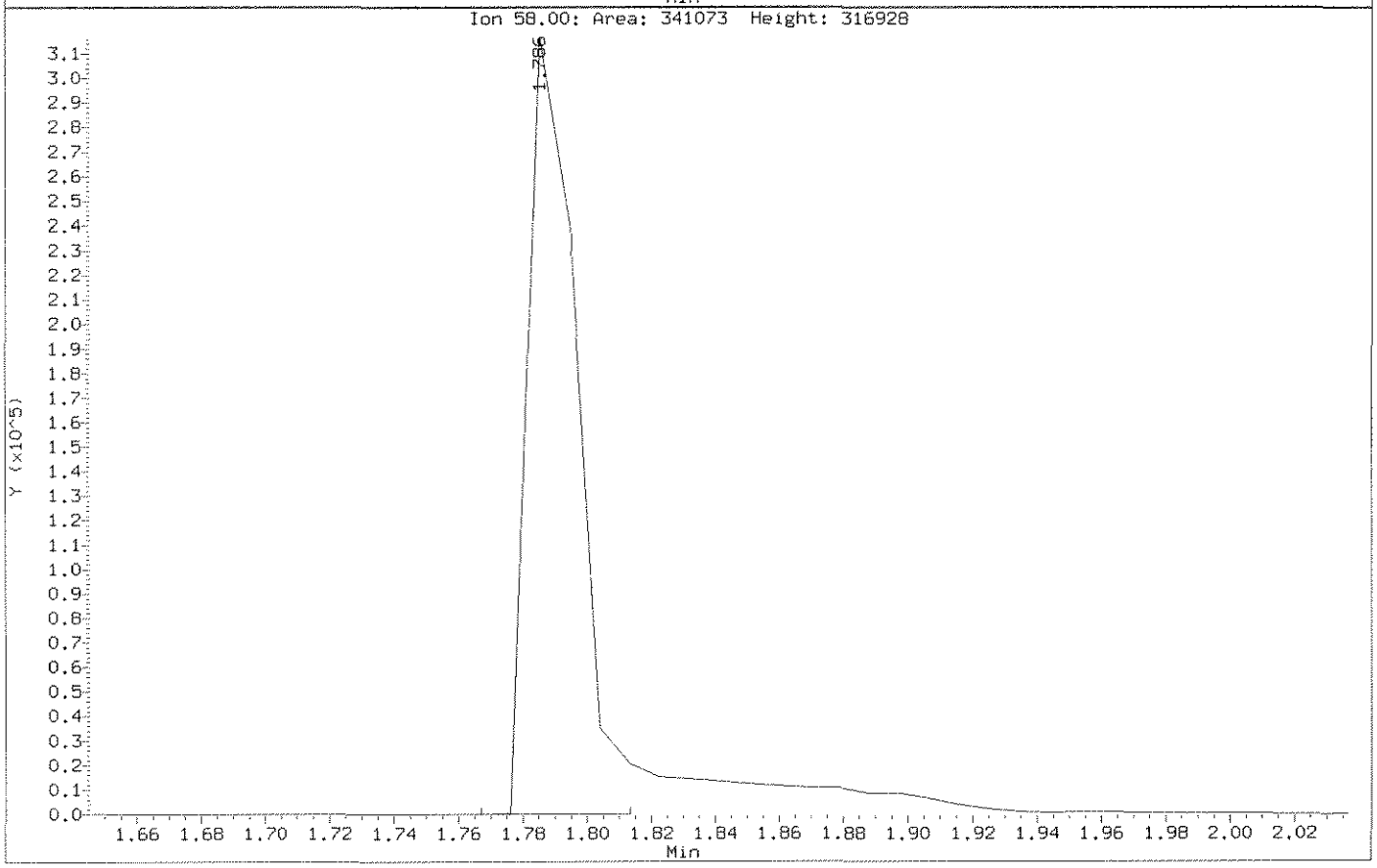


CTOJM29_002

Data File: \\ELABNSHO5\TARGET\chem\bna4.i\041911B4E.b\SEQ-CAL7.D
Injection Date: 19-APR-2011 17:33
Instrument: bna4.i
Client Sample ID: SEQ-CAL7

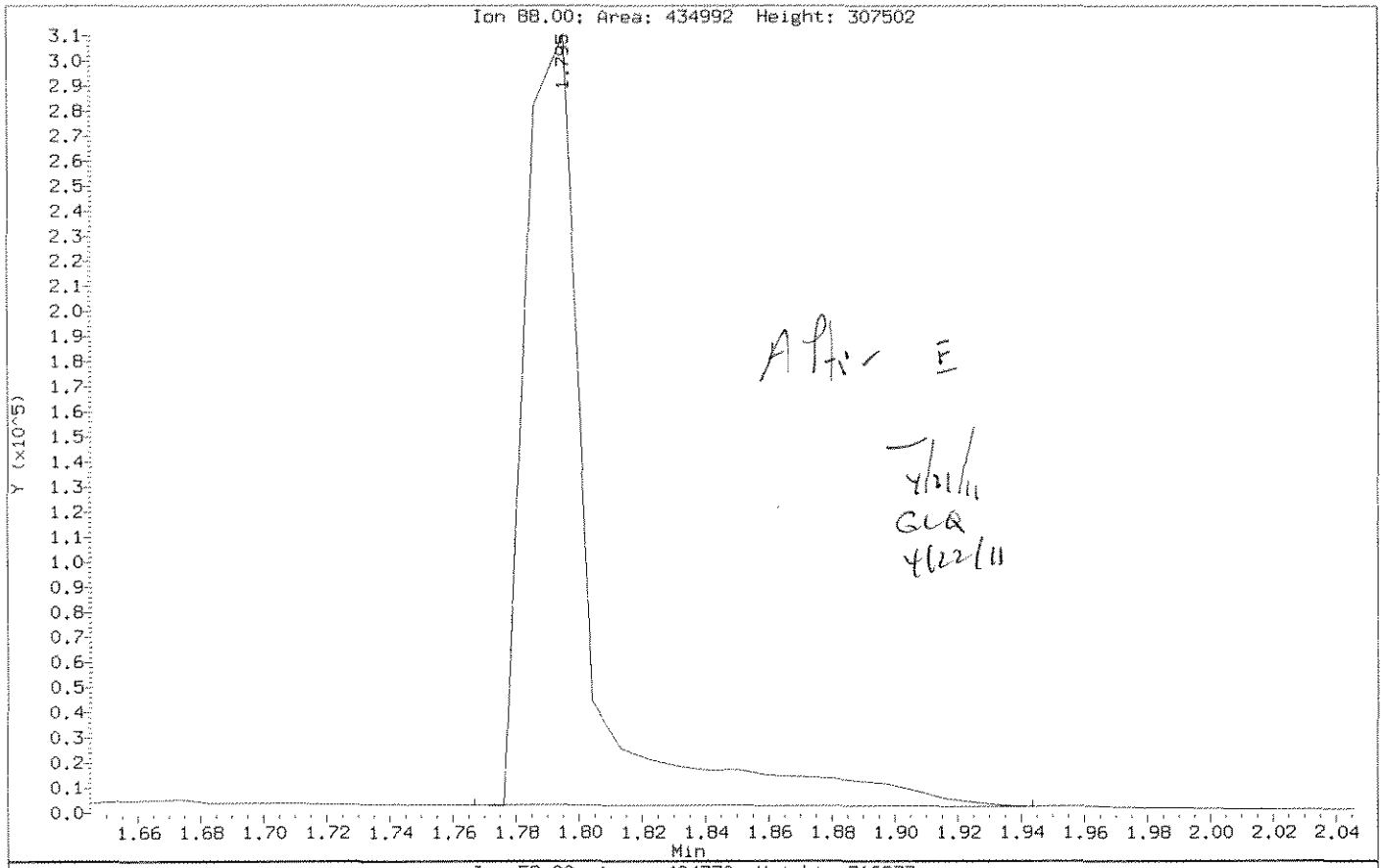
Compound: 1,4-Dioxane
CAS Number: 123-91-1

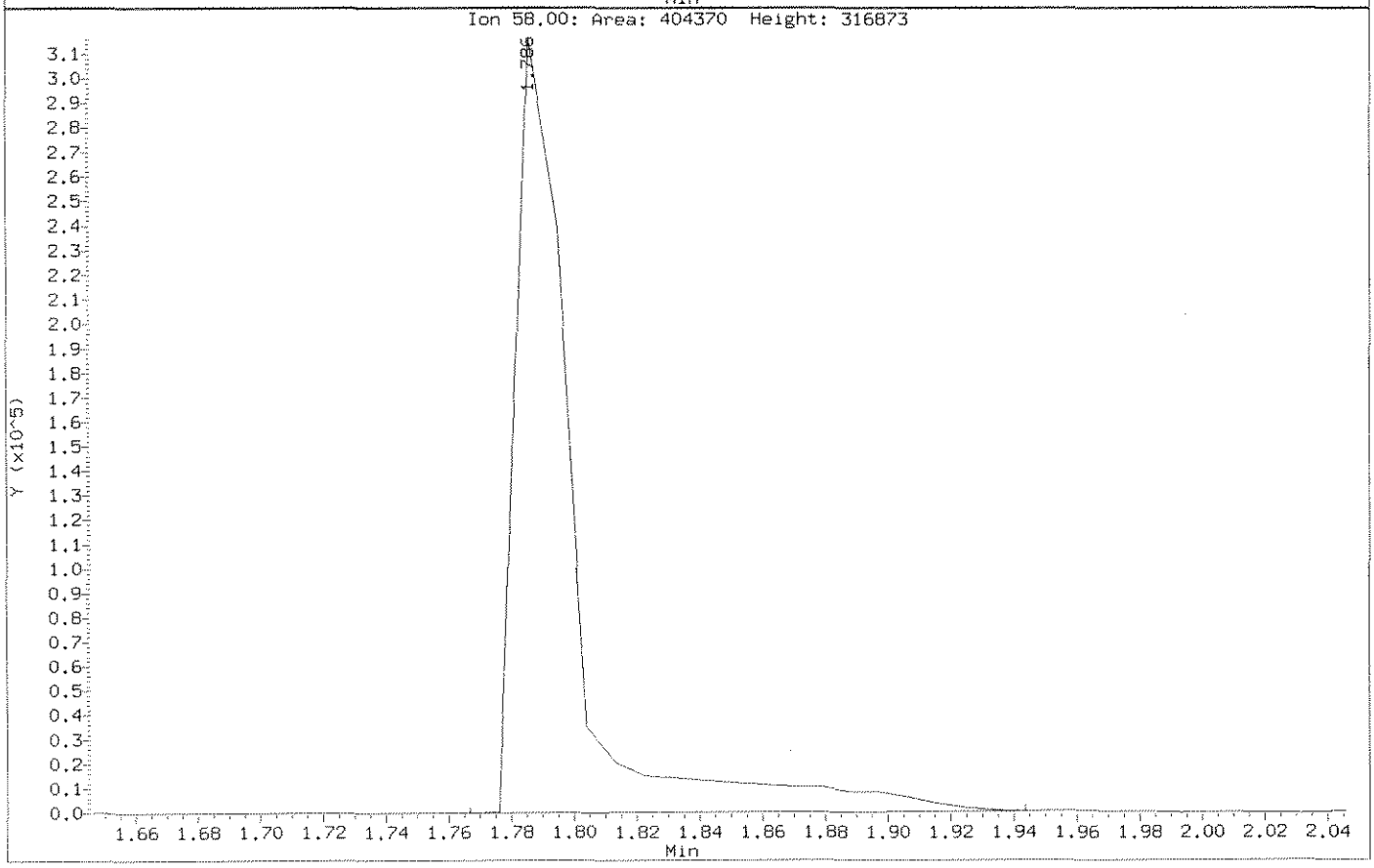




Data File: \\ELABNSHO5\TARGET\chem\bna4.i\041911B4E.b\SEQ-CAL7.D
Injection Date: 19-APR-2011 17:33
Instrument: bna4.i
Client Sample ID: SEQ-CAL7

Compound: 1,4-Dioxane
CAS Number: 123-91-1





Data File: \\ELABNSH05\TARGET\chem\bna4.i\041911B4E.b\SEQ-CAL8.D
Report Date: 20-Apr-2011 14:24

Laboratory Name

Data file : \\ELABNSH05\TARGET\chem\bna4.i\041911B4E.b\SEQ-CAL8.D
Lab Smp Id: SEQ-CAL8 Client Smp ID: SEQ-CAL8
Inj Date : 19-APR-2011 18:00 MS Autotune Date: 13-JAN-2011 12:07
Operator : MEC Inst ID: bna4.i
Smp Info : CAL-40.0PPM;;;;;11C0014
Misc Info : ;1;;;8;;pahsurmis.sub;
Comment :
Method : \\ELABNSH05\TARGET\chem\bna4.i\041911B4E.b\IXBN4LOW.m
Meth Date : 20-Apr-2011 14:24 mcobb Quant Type: ISTD
Cal Date : 19-APR-2011 14:56 Cal File: SEQ-CAL1.D
Als bottle: 11 Calibration Sample, Level: 8
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: pahsurmis.sub
Target Version: 4.04
Processing Host: TARGET09_VM

		QUANT SIG					AMOUNTS CAL-AMT	ON-COL		
Compounds		MASS	RT	EXP RT	REL RT	RESPONSE	(ng/ul)	(ng/ul)		
* 102	Phenanthrene-d10	188	9.715	9.715	(1.000)	144434	1.00000	(M)		
4	1,4-Dioxane	88	1.785	1.785	(0.184)	889207	40.0000	34.44	(M)	
21	N-Nitroso-di-n-propylamine	70	4.881	4.881	(1.000)	1426433	40.0000	35.83		
39	Isophorone	82	5.327	5.327	(1.000)	4585191	40.0000	37.14		
51	Naphthalene	128	5.848	5.848	(1.000)	6462319	40.0000	35.30		
53	Hexachlorobutadiene	225	5.987	5.987	(1.000)	1194585	40.0000	35.49		
55	2-Methylnaphthalene	142	6.666	6.666	(1.000)	4222099	40.0000	35.16		
56	1-Methylnaphthalene	142	6.777	6.777	(1.000)	4141202	40.0000	35.14		
70	Hexachlorocyclopentadiene	237	6.842	6.842	(1.000)	855010	40.0000	39.39		
$ 74	2-Fluorobiphenyl	172	7.121	7.121	(1.000)	4431951	40.0000	35.97		
77	Acenaphthylene	152	7.744	7.744	(1.000)	6057260	40.0000	34.72		
80	Acenaphthene	153	7.958	7.958	(1.000)	4248026	40.0000	35.99		
88	Fluorene	166	8.590	8.590	(1.000)	4574990	40.0000	39.26		
110	Pentachlorophenol	266	9.520	9.520	(1.000)	642884	40.0000	39.49		
$ 107	2,4,6-Tribromophenol	330	8.888	8.888	(1.000)	1921614	~~40.0000~~	~~42.88~~	80.0000	85.76
111	Phenanthrene	178	9.752	9.752	(1.000)	6455087	40.0000	38.90		
109	Hexachlorobenzene	284	9.250	9.250	(1.000)	1797757	40.0000	38.43		
112	Anthracene	178	9.817	9.817	(1.000)	6521739	40.0000	38.87		
116	Fluoranthene	202	11.202	11.202	(1.000)	6452228	40.0000	40.22		
134	Pyrene	202	11.472	11.472	(1.000)	6721967	40.0000	41.67		
* 154	Perylene-d12	264	14.847	14.847	(1.000)	77600	1.00000			
$ 135	Terphenyl-d14	244	11.695	11.695	(1.000)	4310476	40.0000	42.65		
138	Benzo(a)anthracene	228	12.950	12.950	(1.000)	5151689	40.0000	45.76		
139	Chrysene	228	12.997	12.997	(1.000)	4766619	40.0000	43.94		
140	Bis(2-ethylhexyl)phthalate	149	13.034	13.034	(0.878)	5806747	40.0000	39.49		
155	Di-n-octylphthalate	149	13.870	13.870	(0.934)	9514911	40.0000	40.14		

4/22/11

4/21/11
GLQ
4/22/11

Data File: \\ELABNSH05\TARGET\chem\bna4.i\041911B4E.b\SEQ-CAL8.D
Report Date: 20-Apr-2011 14:24

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng/ul)	AMOUNTS ON-COL (ng/ul)
156 Benzo(b)fluoranthene	252	14.345	14.345	(0.966)	5071716	40.0000	47.48
157 Benzo(k)fluoranthene	252	14.382	14.382	(0.969)	3881410	40.0000	37.69
158 Benzo(a)pyrene	252	14.772	14.772	(0.995)	3305561	40.0000	40.17
159 Indeno(1,2,3-cd)pyrene	276	16.343	16.343	(1.101)	2807108	40.0000	37.32
160 Dibenz(a,h)anthracene	278	16.362	16.362	(1.102)	2258727	40.0000	36.91
161 Benzo(g,h,i)perylene	276	16.696	16.696	(1.125)	2336585	40.0000	35.81

QC Flag Legend

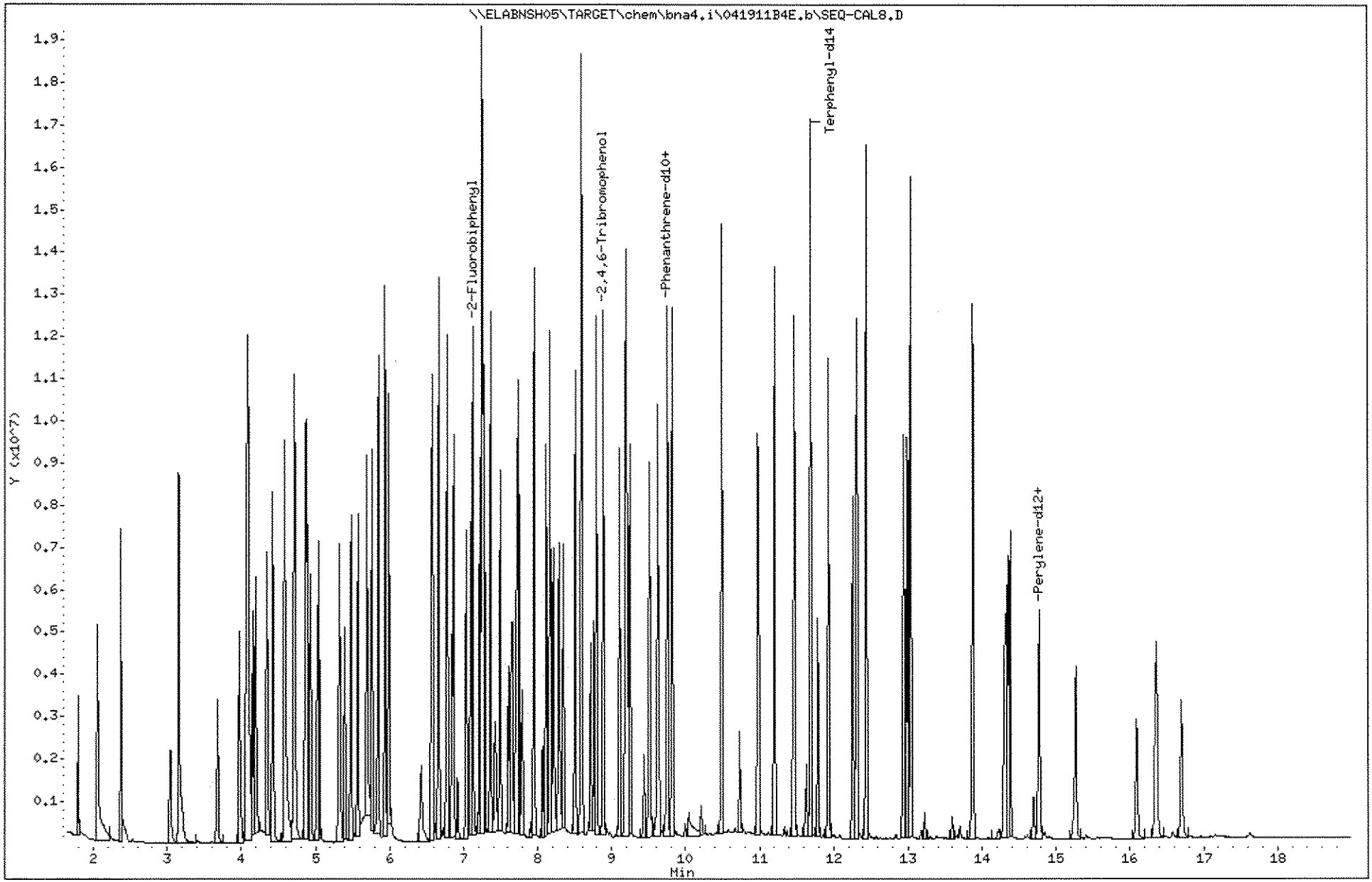
M - Compound response manually integrated.

Data File: \\ELABNSH05\TARGET\chem\bna4.i\041911B4E.b\SEQ-CAL8.D
Date : 19-APR-2011 18:00
Client ID: SEQ-CAL8
Sample Info: CAL-40.0PPM;;;;;11C0014

Instrument: bna4.i

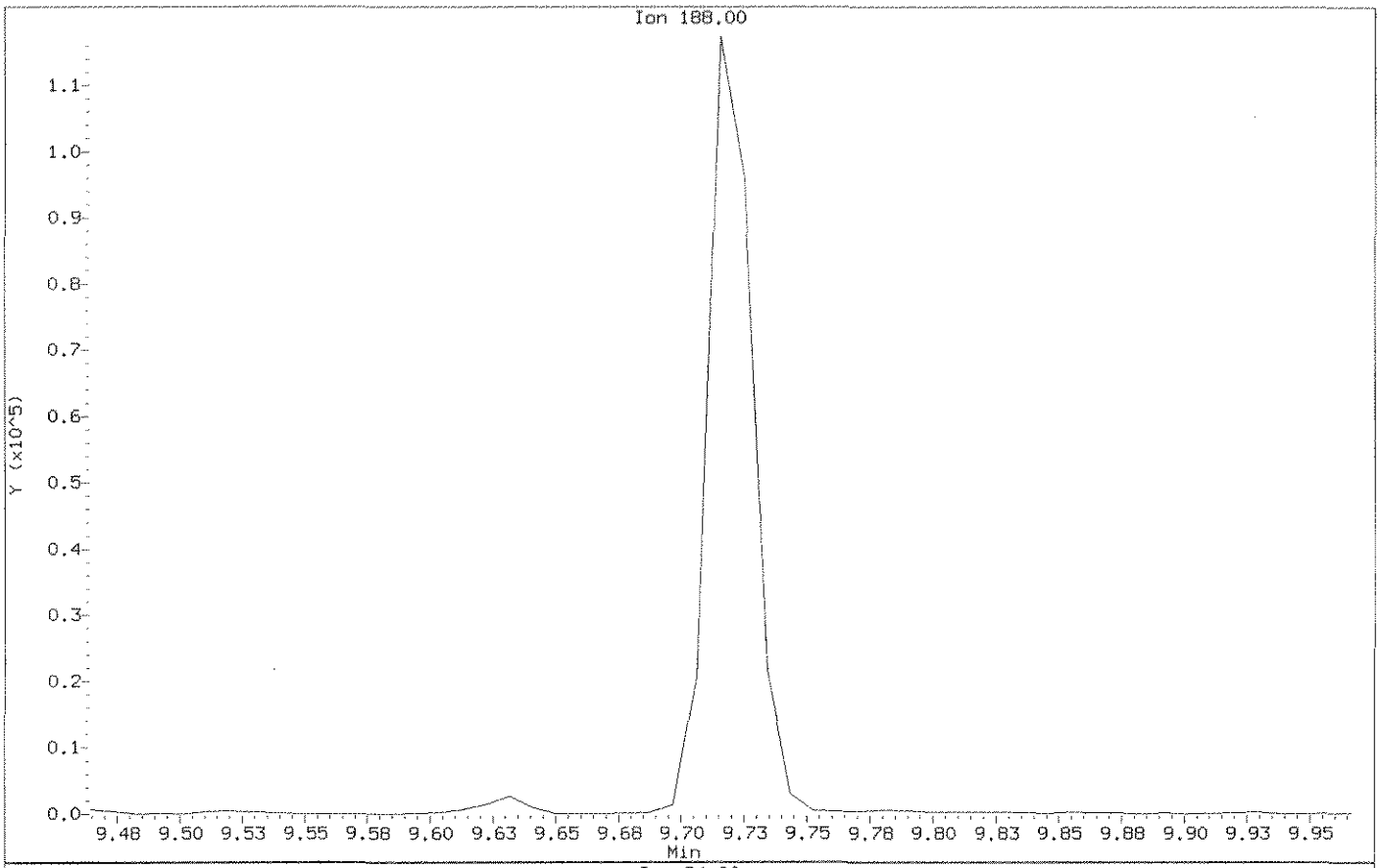
Operator: MEC
Column diameter: 0.25

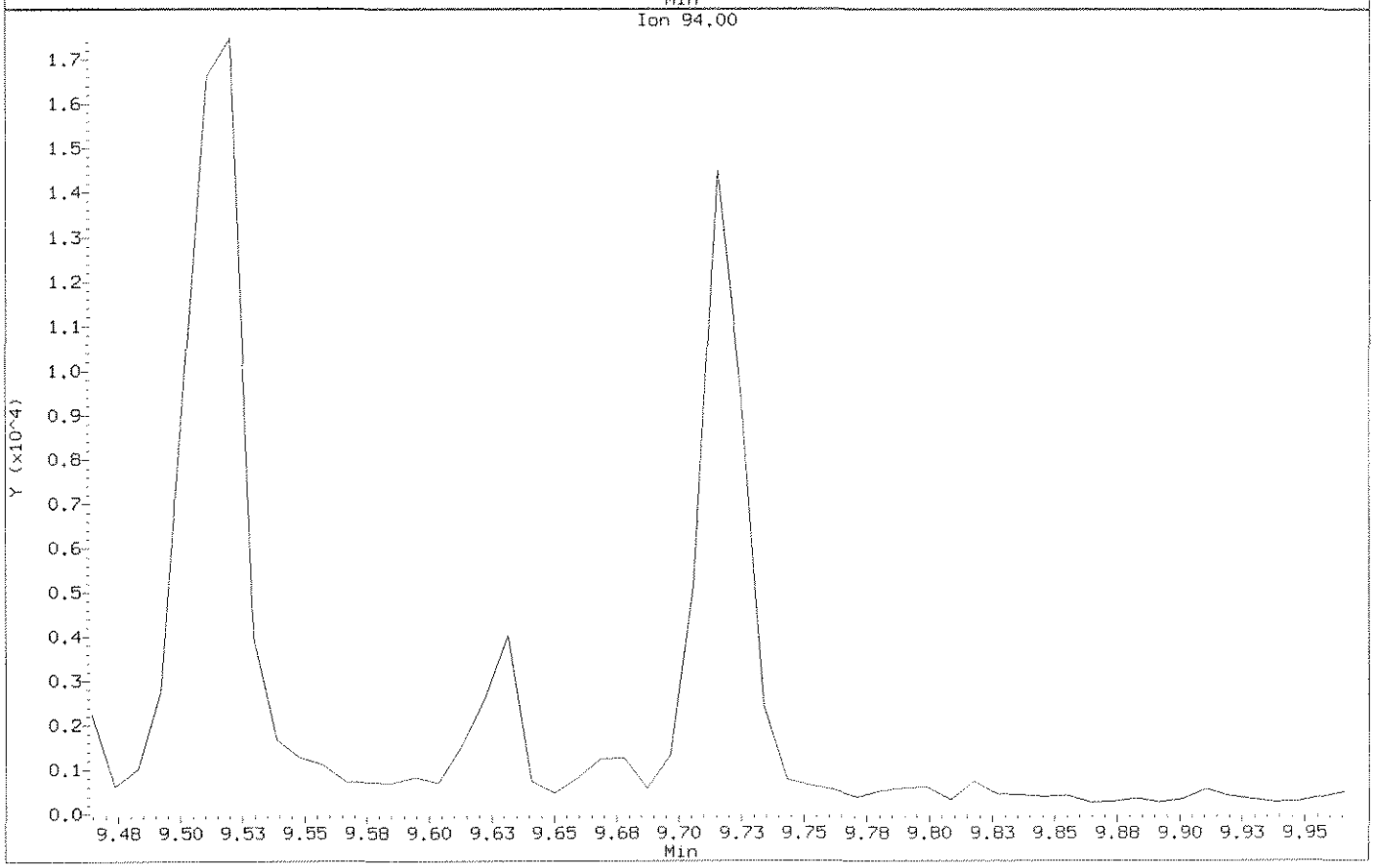
Column phase: fused silica



Data File: \\ELABNSHO5\TARGET\chem\bna4.i\041911B4E.b\SEQ-CAL8.D
Injection Date: 19-APR-2011 18:00
Instrument: bna4.i
Client Sample ID: SEQ-CAL8

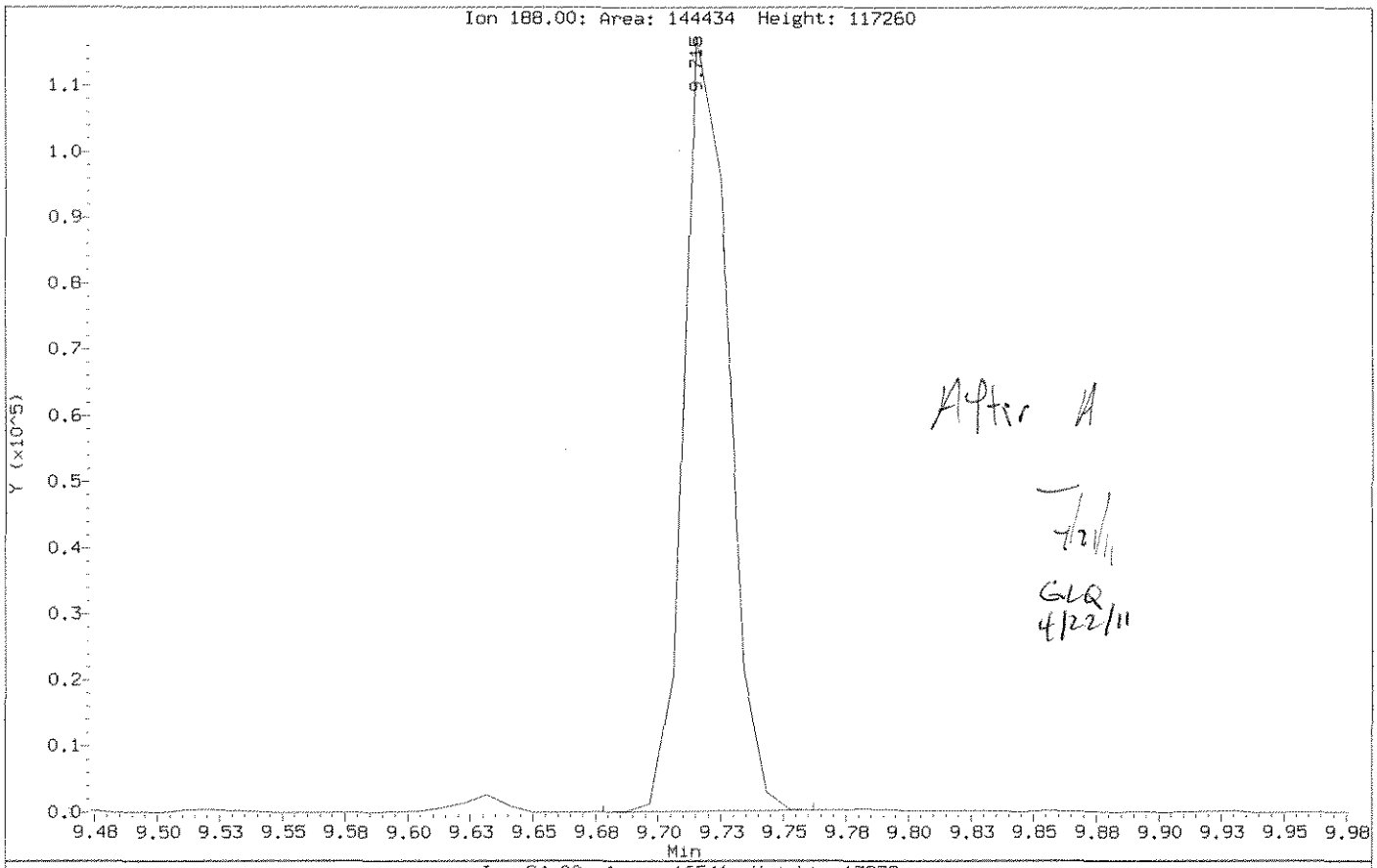
Compound: Phenanthrene-d10
CAS Number: 1517-22-2





Data File: \\ELABNSHO5\TARGET\chem\bna4.i\041911B4E.b\SEQ-CAL8.D
Injection Date: 19-APR-2011 18:00
Instrument: bna4.i
Client Sample ID: SEQ-CAL8

Compound: Phenanthrene-d10
CAS Number: 1517-22-2



After IA
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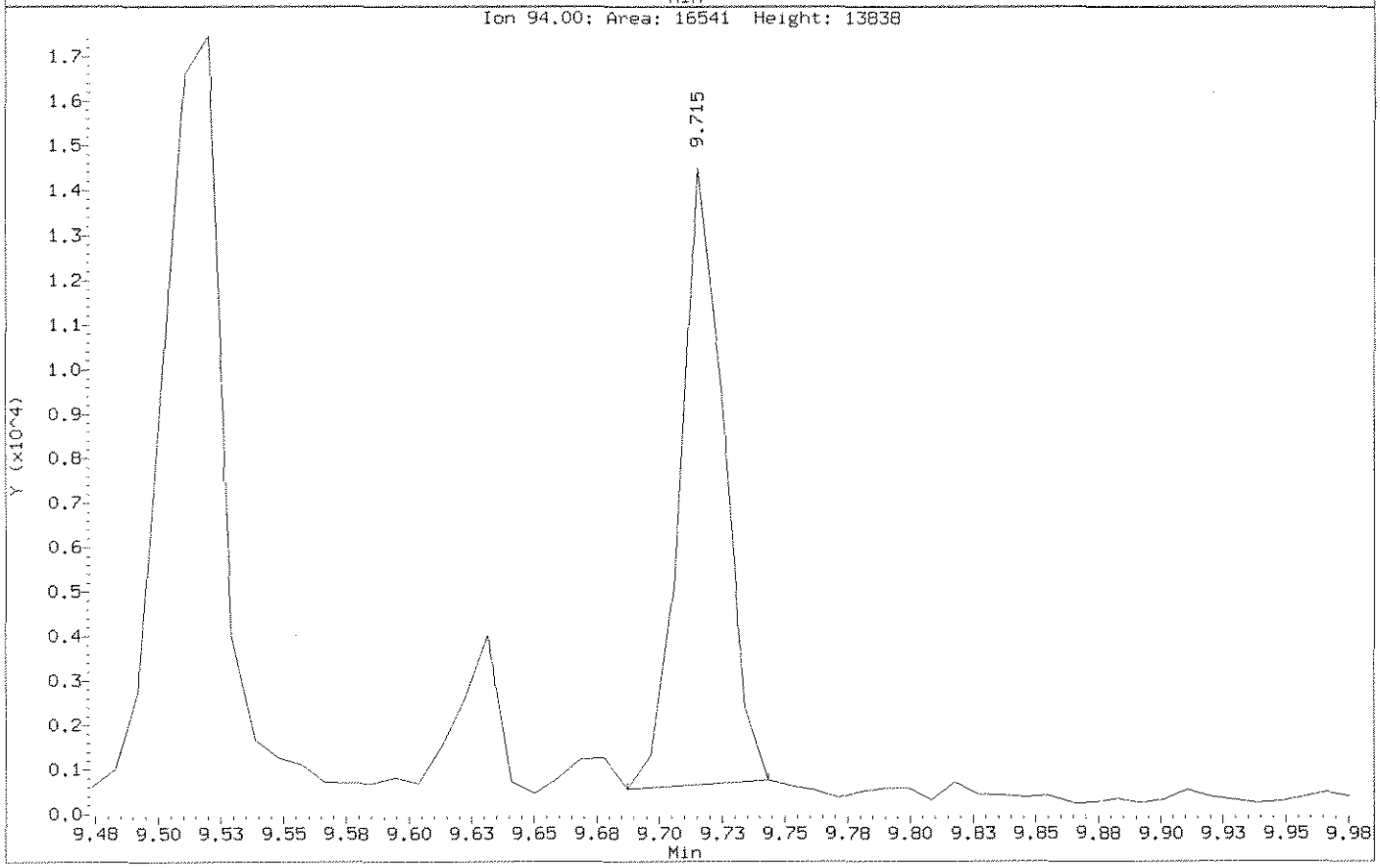
GLQ
4/22/11



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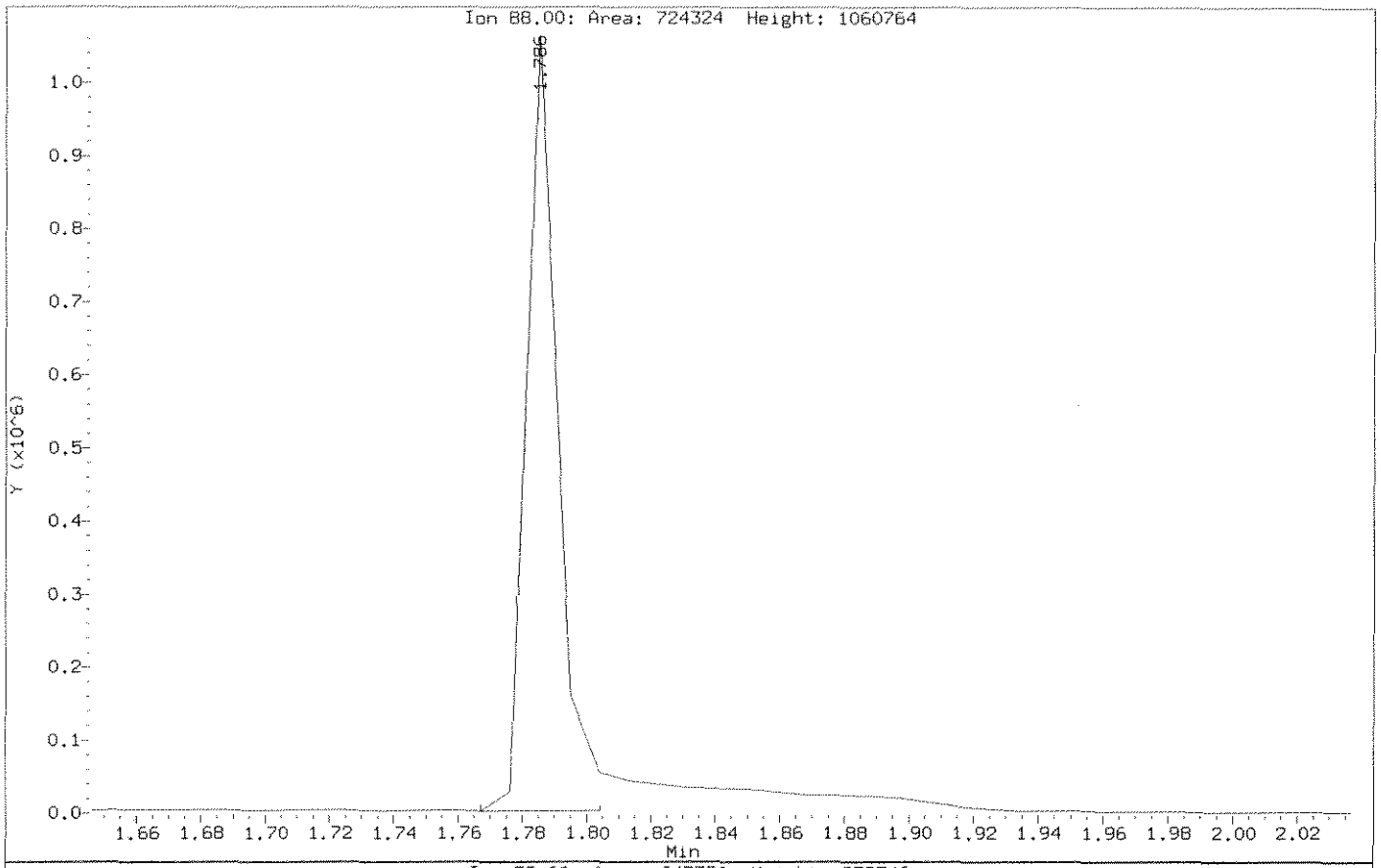
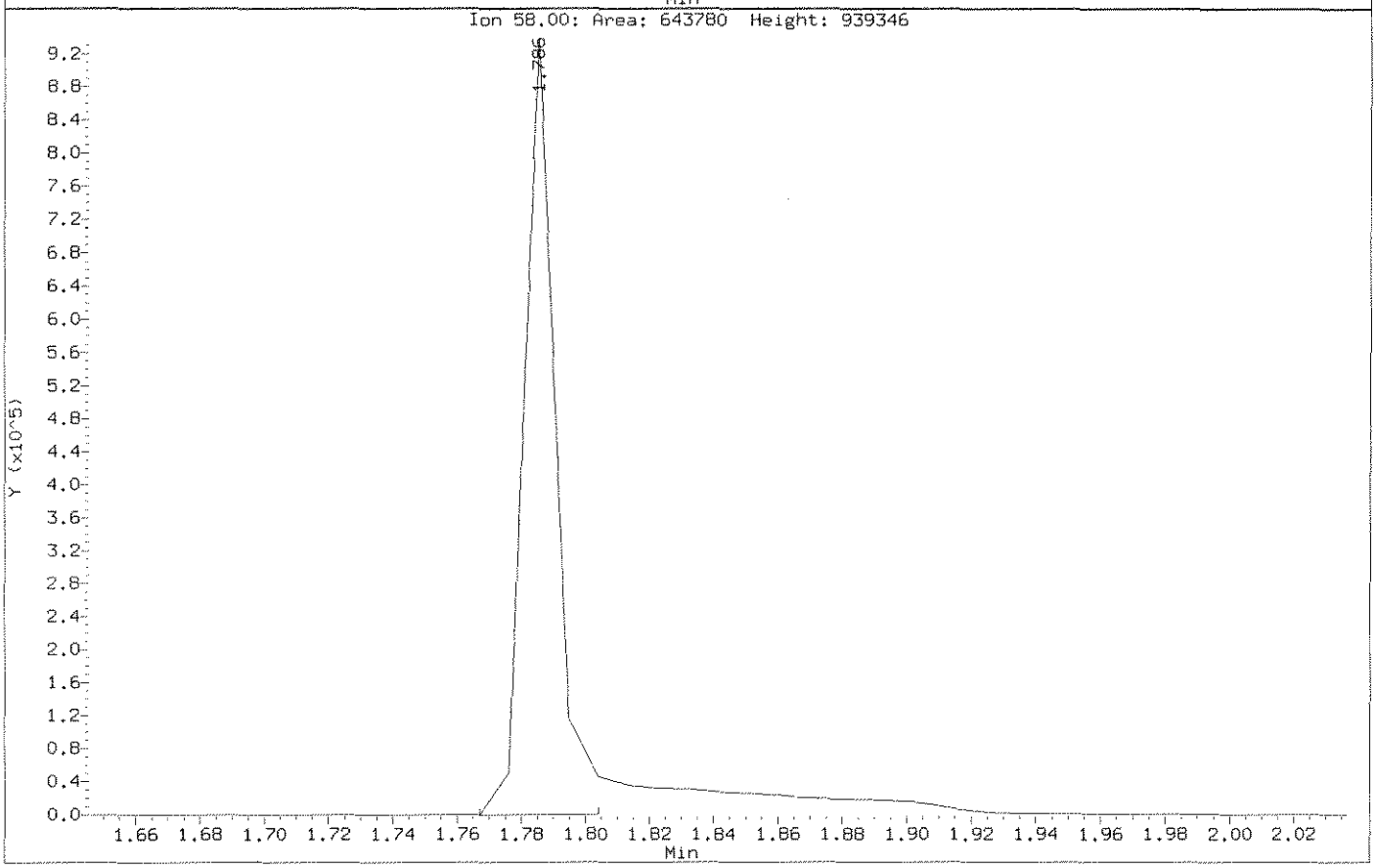
Injection Date: 19-APR-2011 18:00
Instrument: bna4.i
Client Sample ID: SEQ-CAL8

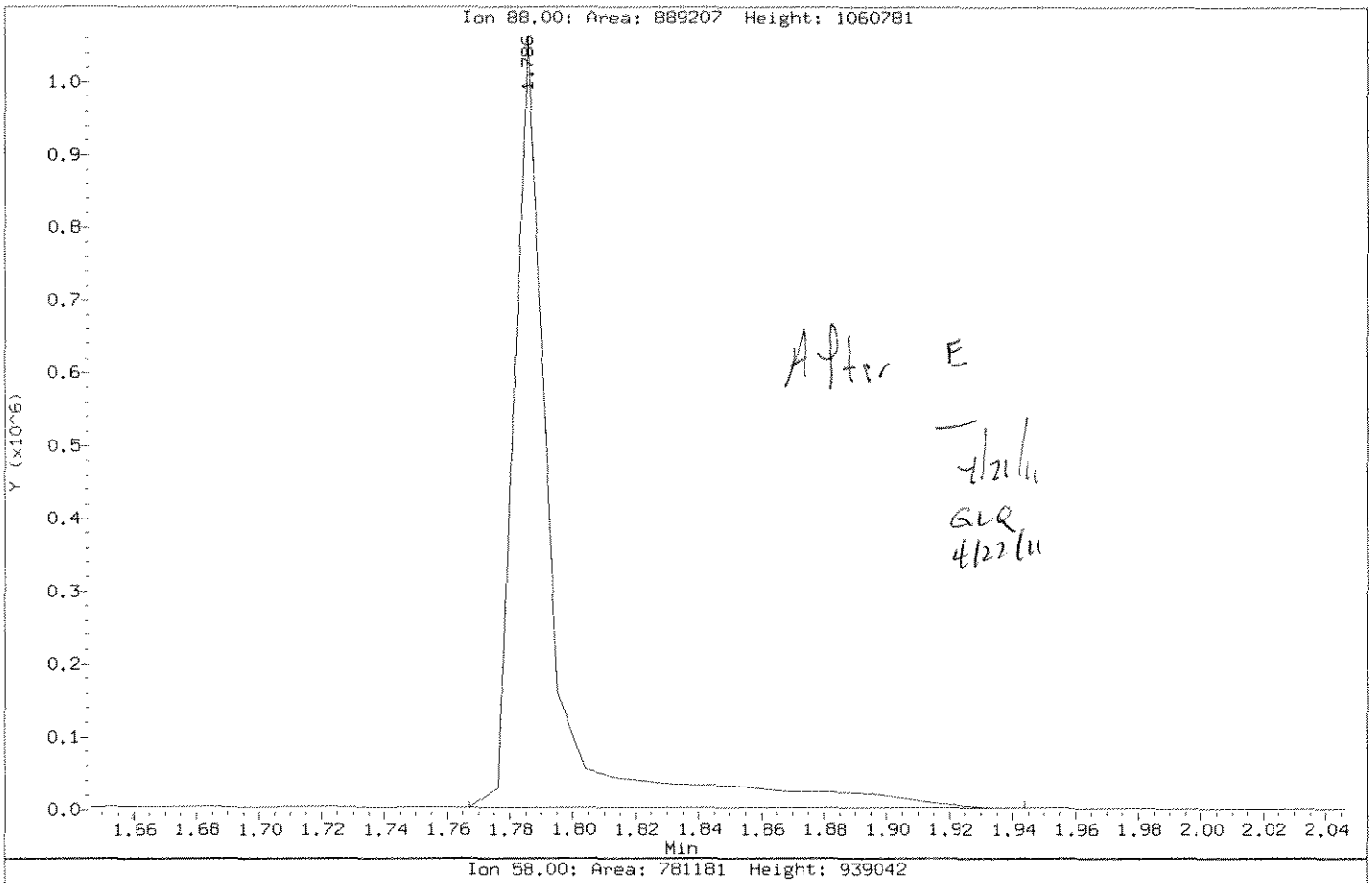
Compound: 1,4-Dioxane
CAS Number: 123-91-1





Data File: \\ELABNSHO5\TARGET\chem\bna4.i\041911B4E.b\SEQ-CAL8.D
Injection Date: 19-APR-2011 18:00
Instrument: bna4.i
Client Sample ID: SEQ-CAL8

Compound: 1,4-Dioxane
CAS Number: 123-91-1



After E

4/21/11

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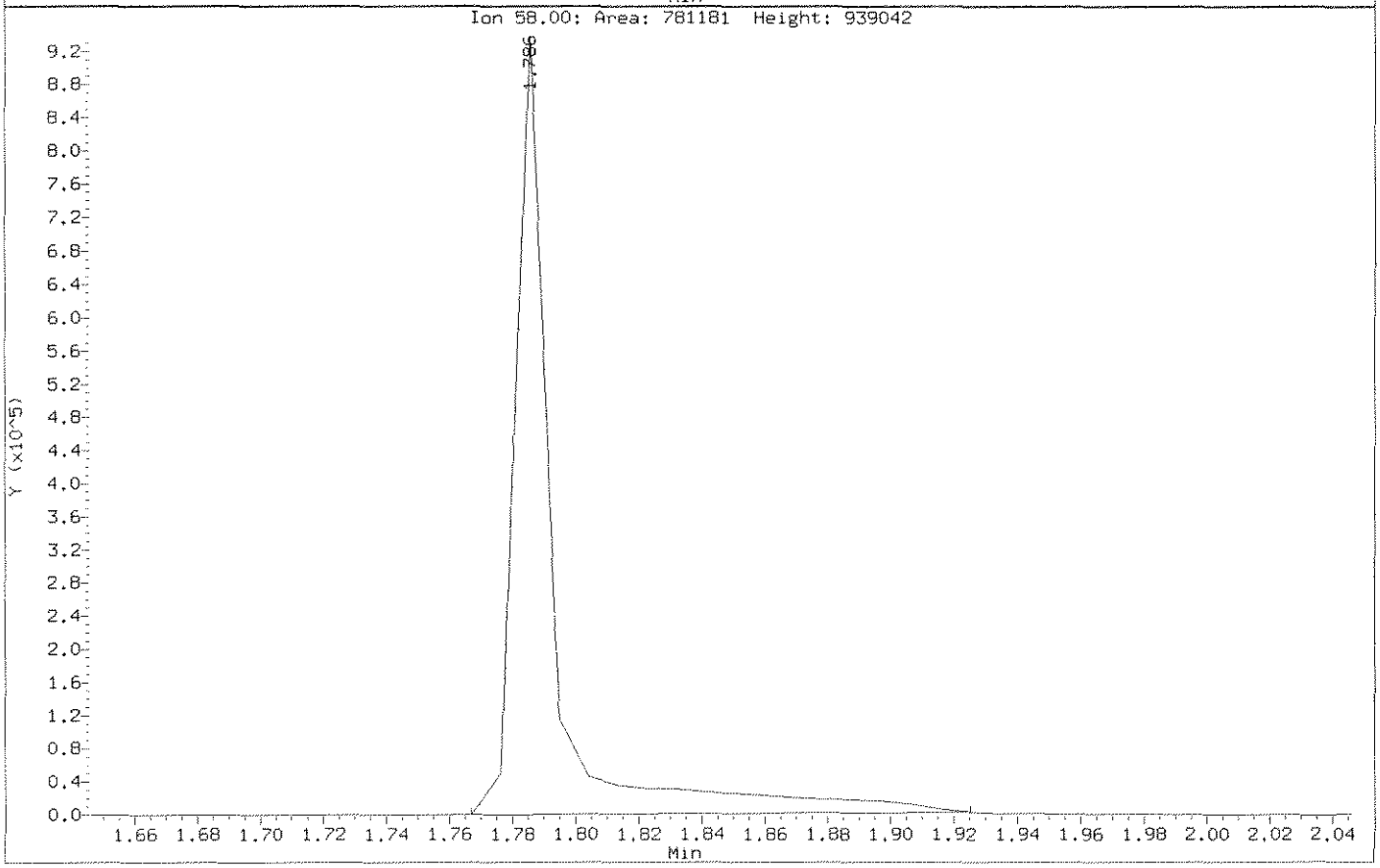
4/22/11



Data File: \\ELABNSH05\TARGET\chem\bna4.i\041911B4E.b\SEQ-CAL9.D
Report Date: 20-Apr-2011 14:24

Laboratory Name

Data file : \\ELABNSH05\TARGET\chem\bna4.i\041911B4E.b\SEQ-CAL9.D
Lab Smp Id: SEQ-CAL9 Client Smp ID: SEQ-CAL9
Inj Date : 19-APR-2011 18:26 MS Autotune Date: 13-JAN-2011 12:07
Operator : MEC Inst ID: bna4.i
Smp Info : CAL-50.0PPM;;;;;11C0015
Misc Info : ;1;;;9;;pahsurmis.sub;
Comment :
Method : \\ELABNSH05\TARGET\chem\bna4.i\041911B4E.b\IXBN4LOW.m
Meth Date : 20-Apr-2011 14:24 mcobb Quant Type: ISTD
Cal Date : 19-APR-2011 18:26 Cal File: SEQ-CAL9.D
Als bottle: 12 Calibration Sample, Level: 9
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: pahsurmis.sub
Target Version: 4.04
Processing Host: TARGET09_VM

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng/ul)	ON-COL (ng/ul)
* 102	Phenanthrene-d10	188	9.724	9.724	(1.000)	142327	1.00000	(M)
4	1,4-Dioxane	88	1.794	1.794	(0.185)	1127577	50.0000	44.32(M)
21	N-Nitroso-di-n-propylamine	70	4.890	4.890	(1.000)	1785647	50.0000	45.52
39	Isophorone	82	5.336	5.336	(1.000)	5906468	50.0000	48.55
51	Naphthalene	128	5.847	5.847	(1.000)	8006624	50.0000	44.38
53	Hexachlorobutadiene	225	5.987	5.987	(1.000)	1518309	50.0000	45.77
55	2-Methylnaphthalene	142	6.675	6.675	(1.000)	5573479	50.0000	47.11
56	1-Methylnaphthalene	142	6.786	6.786	(1.000)	5231957	50.0000	45.05
70	Hexachlorocyclopentadiene	237	6.842	6.842	(1.000)	1284583	50.0000	50.18(A)
$ 74	2-Fluorobiphenyl	172	7.121	7.121	(1.000)	5752909	50.0000	47.38
77	Acenaphthylene	152	7.753	7.753	(1.000)	7767331	50.0000	45.18
80	Acenaphthene	153	7.958	7.958	(1.000)	5570123	50.0000	47.88
88	Fluorene	166	8.590	8.590	(1.000)	5603500	50.0000	48.80
110	Pentachlorophenol	266	9.529	9.529	(1.000)	822344	50.0000	50.67(A)
$ 107	2,4,6-Tribromophenol	330	8.897	8.897	(1.000)	2413273	~~50.0000~~	~~54.65~~ 100.000 109.36
111	Phenanthrene	178	9.761	9.761	(1.000)	8082347	50.0000	49.43
109	Hexachlorobenzene	284	9.259	9.259	(1.000)	2193214	50.0000	47.57
112	Anthracene	178	9.826	9.826	(1.000)	8030509	50.0000	48.57
116	Fluoranthene	202	11.212	11.212	(1.000)	8037751	50.0000	50.85(A)
134	Pyrene	202	11.481	11.481	(1.000)	7865741	50.0000	49.48
* 154	Perylene-d12	264	14.846	14.846	(1.000)	73465	1.00000	
$ 135	Terphenyl-d14	244	11.695	11.695	(1.000)	4851961	50.0000	48.72
138	Benzo(a)anthracene	228	12.950	12.950	(1.000)	5411267	50.0000	48.78
139	Chrysene	228	12.996	12.996	(1.000)	4892239	50.0000	45.77
140	Bis(2-ethylhexyl)phthalate	149	13.034	13.034	(0.878)	6101427	50.0000	43.84
155	Di-n-octylphthalate	149	13.880	13.880	(0.935)	9086307	50.0000	40.48

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Data File: \\ELABNSH05\TARGET\chem\bna4.i\041911B4E.b\SEQ-CAL9.D
Report Date: 20-Apr-2011 14:24

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng/ul)	AMOUNTS ON-COL (ng/ul)
156 Benzo(b)fluoranthene	252	14.344	14.344	(0.966)	5404131	50.0000	53.44(A)
157 Benzo(k)fluoranthene	252	14.382	14.382	(0.969)	4661574	50.0000	47.81
158 Benzo(a)pyrene	252	14.781	14.781	(0.996)	4052899	50.0000	52.02(A)
159 Indeno(1,2,3-cd)pyrene	276	16.352	16.352	(1.101)	3815473	50.0000	53.57(A)
160 Dibenz(a,h)anthracene	278	16.371	16.371	(1.103)	3095424	50.0000	53.43(A)
161 Benzo(g,h,i)perylene	276	16.706	16.706	(1.125)	3060791	50.0000	49.55

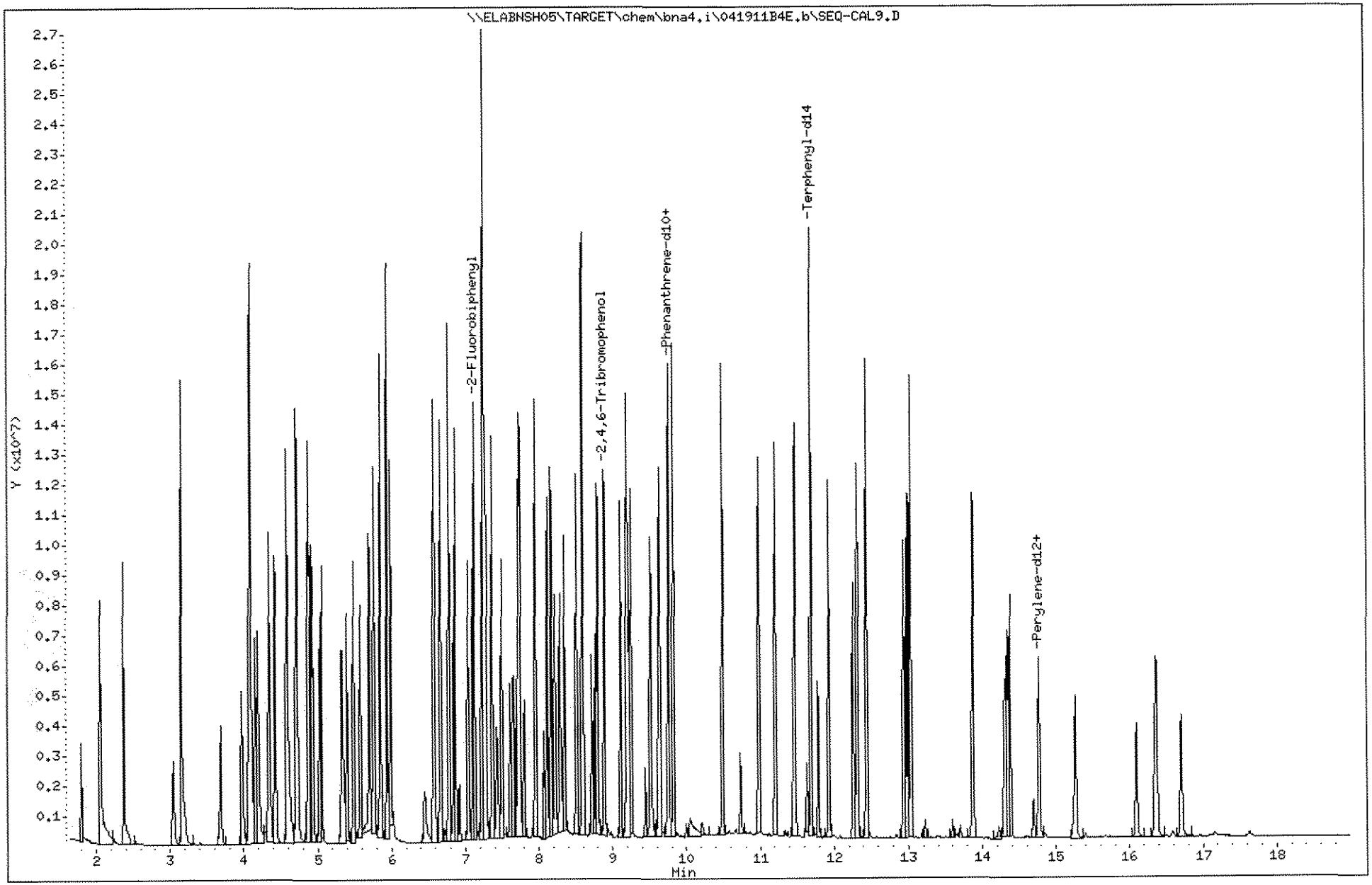
QC Flag Legend

A - Target compound detected but, quantitated amount
exceeded maximum amount.
M - Compound response manually integrated.

Data File: \\ELABNSH05\TARGET\chem\bna4.i\041911B4E.b\SEQ-CAL9.D
Date : 19-APR-2011 18:26
Client ID: SEQ-CAL9
Sample Info: CAL-50.0PPM;;;;;11C0015

Instrument: bna4.i

Operator: MEC
Column phase: fused silica
Column diameter: 0.25



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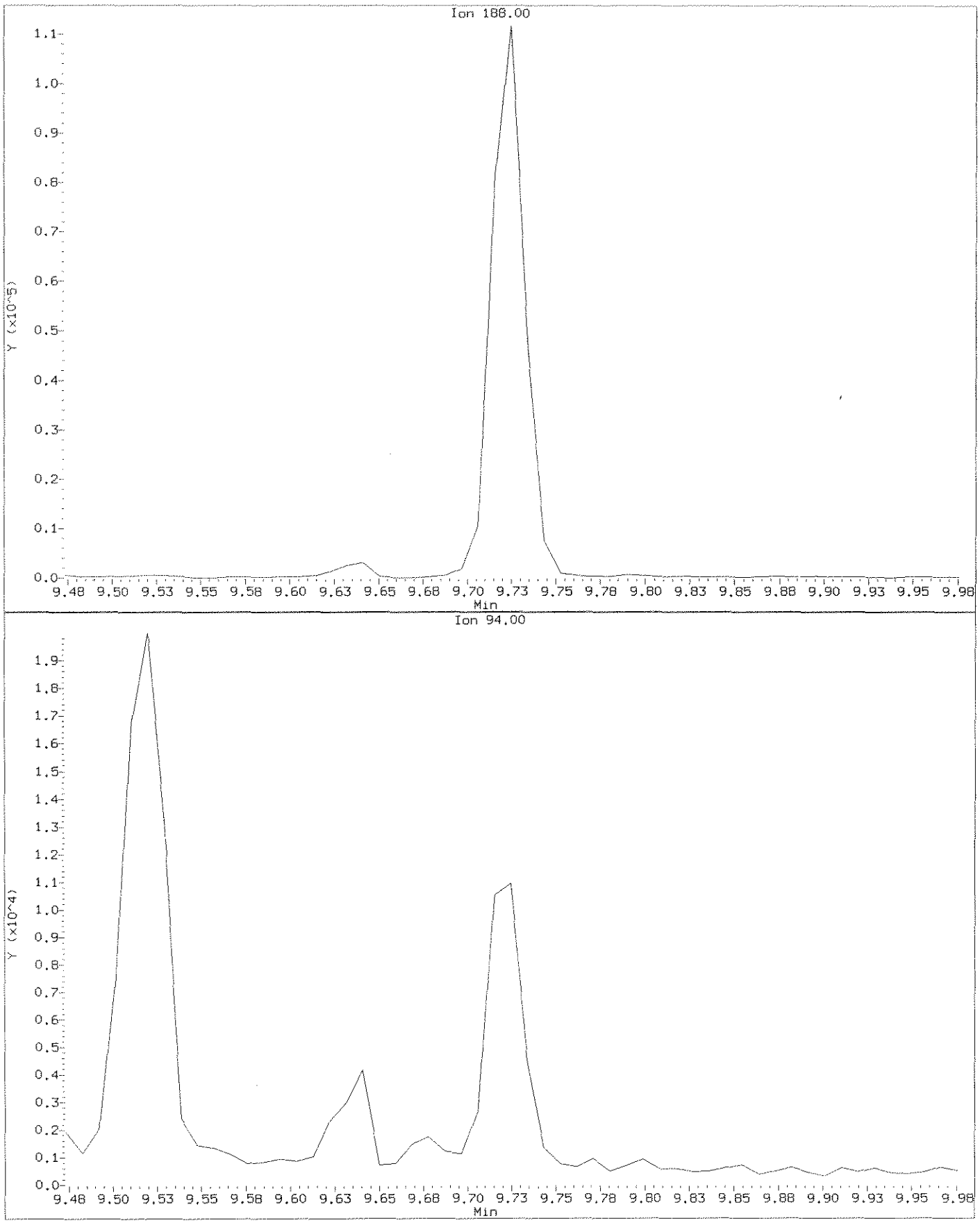
Data File: \\ELABNSH05\TARGET\chem\bna4.i\041911B4E.b\SEQ-CAL9.D
Injection Date: 19-APR-2011 18:26
Instrument: bna4.i
Client Sample ID: SEQ-CAL9

Compound: Phenanthrene-d10
CAS Number: 1517-22-2



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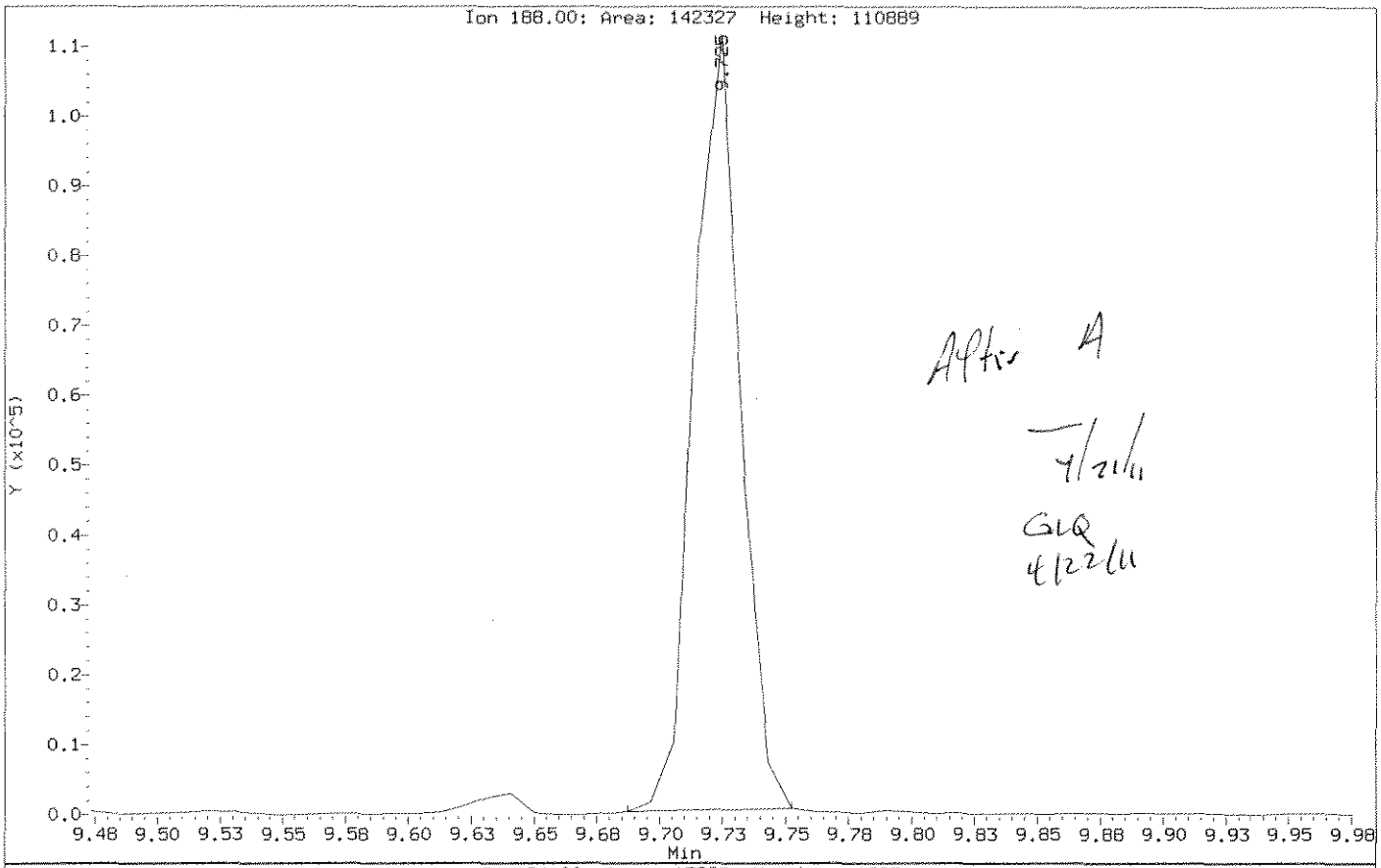
Injection Date: 19-APR-2011 18:26
Instrument: bna4.i
Client Sample ID: SEQ-CAL9

Compound: Phenanthrene-d10
CAS Number: 1517-22-2



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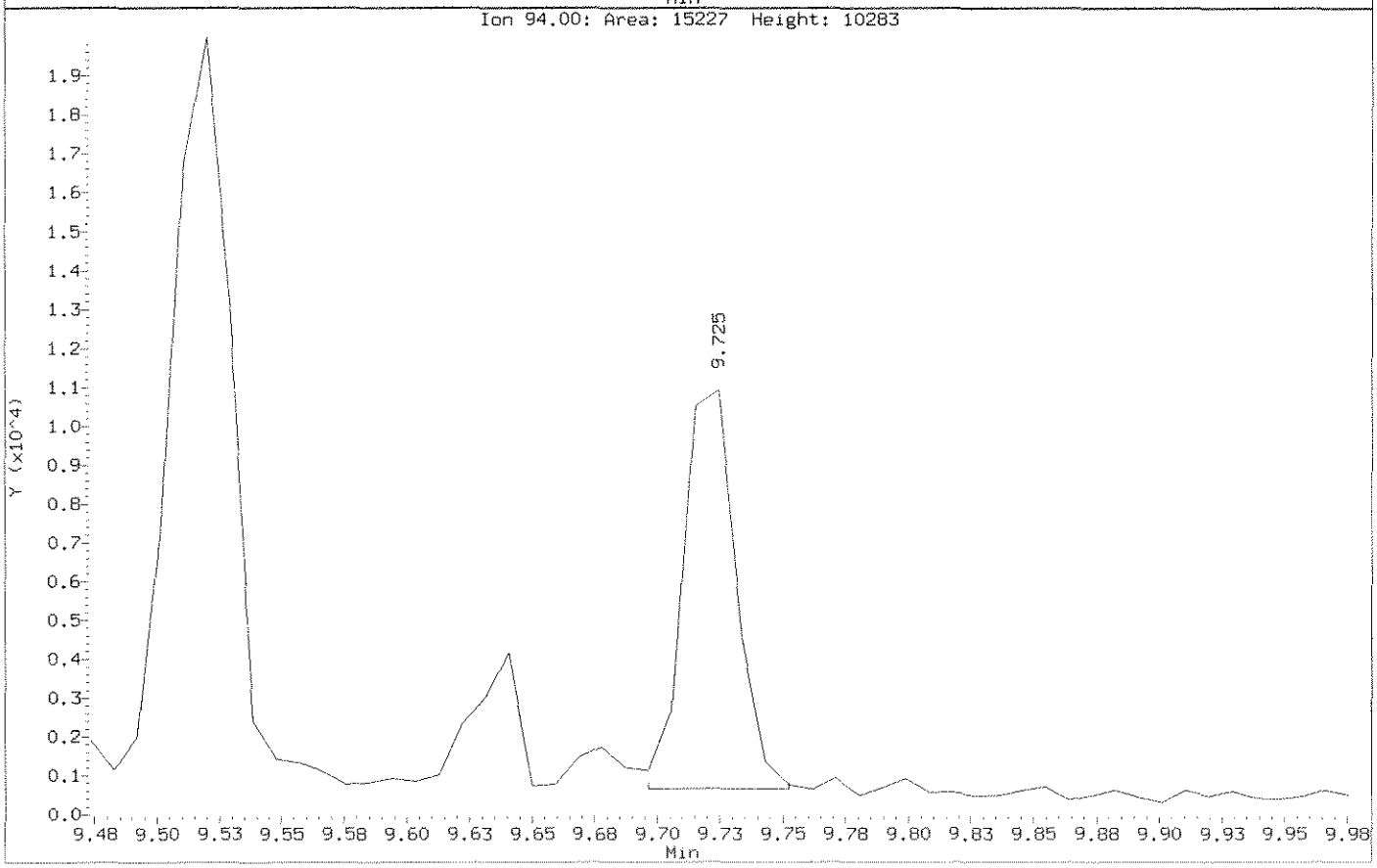

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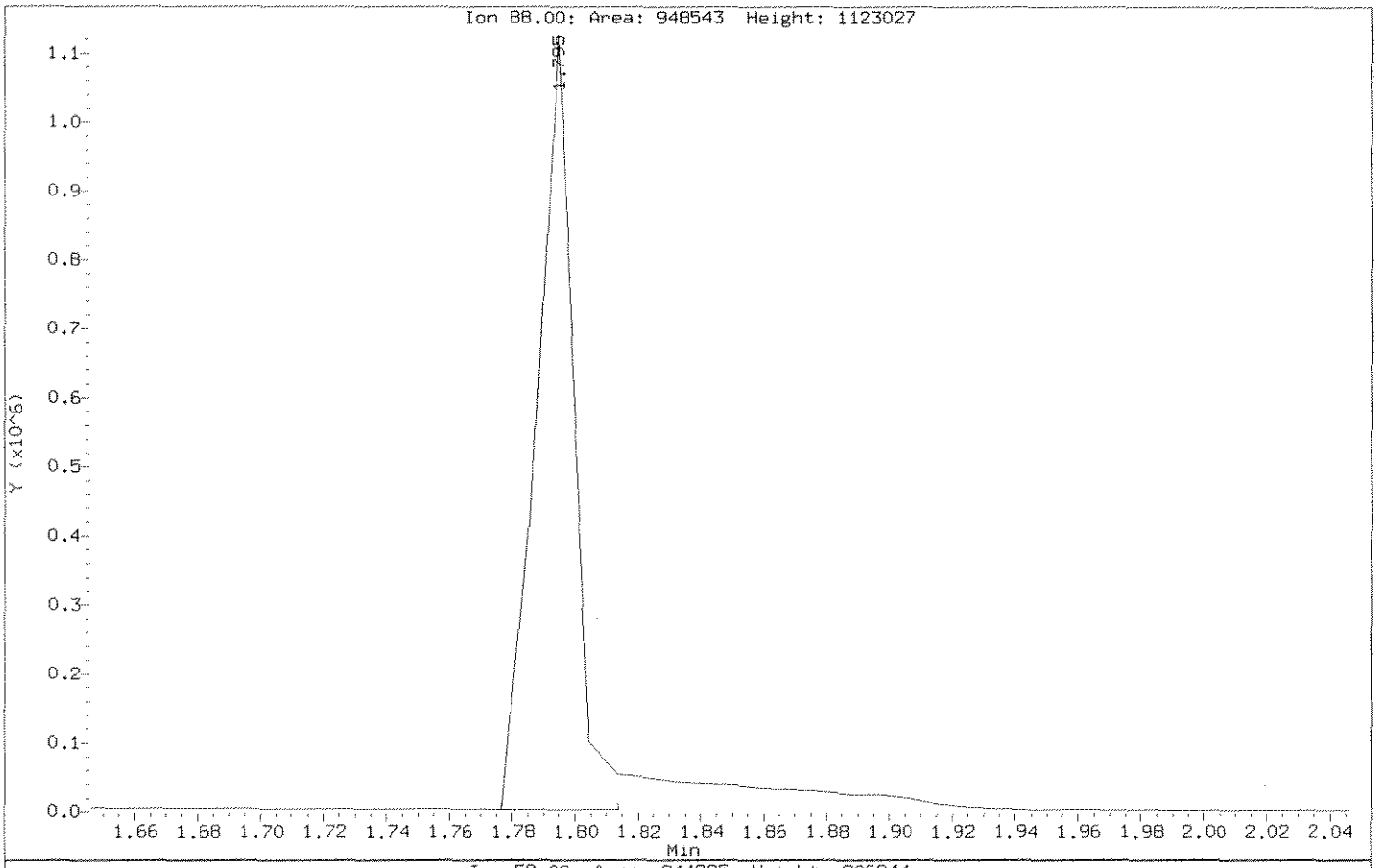
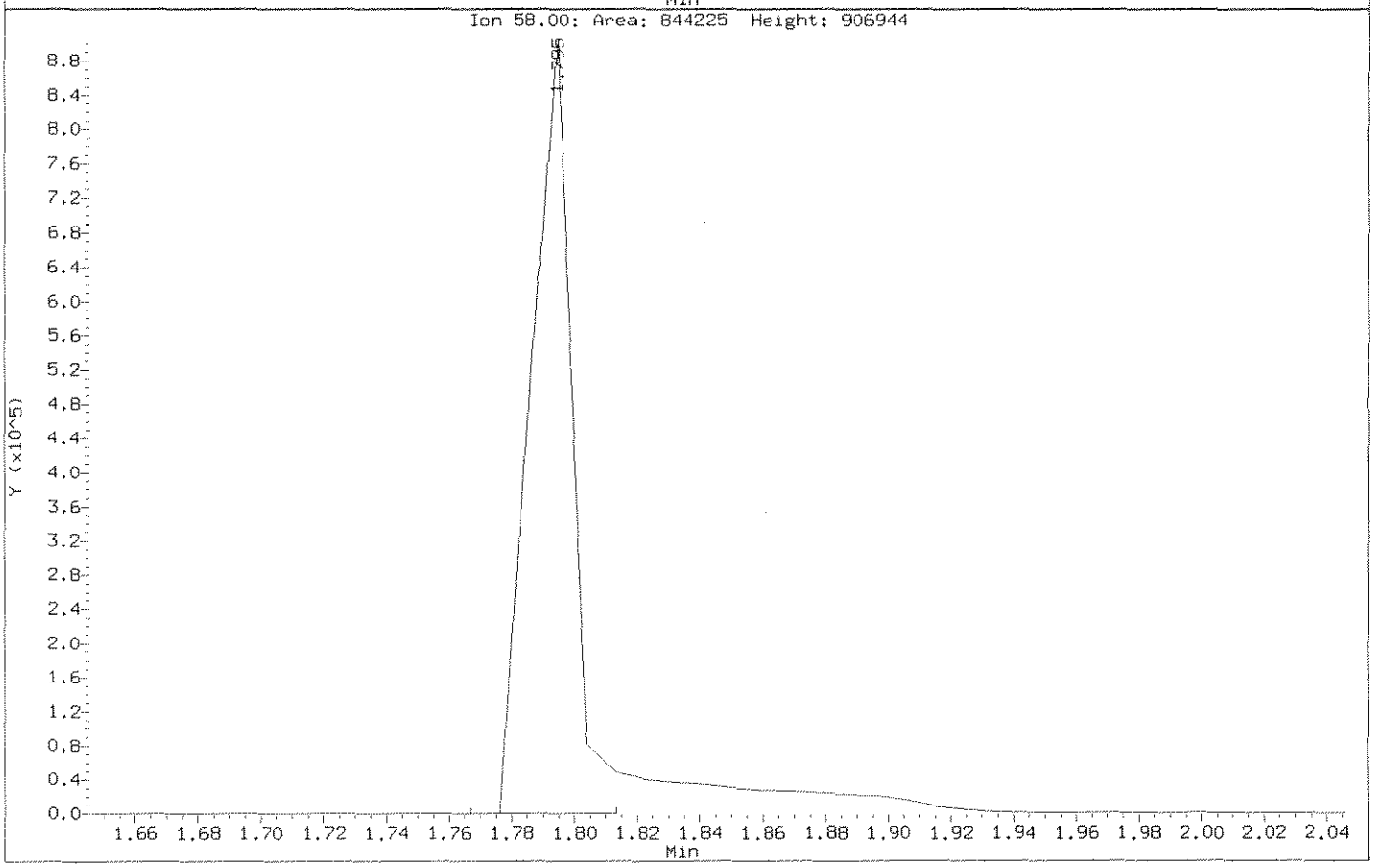
Injection Date: 19-APR-2011 18:26
Instrument: bna4.i
Client Sample ID: SEQ-CAL9

Compound: 1,4-Dioxane
CAS Number: 123-91-1





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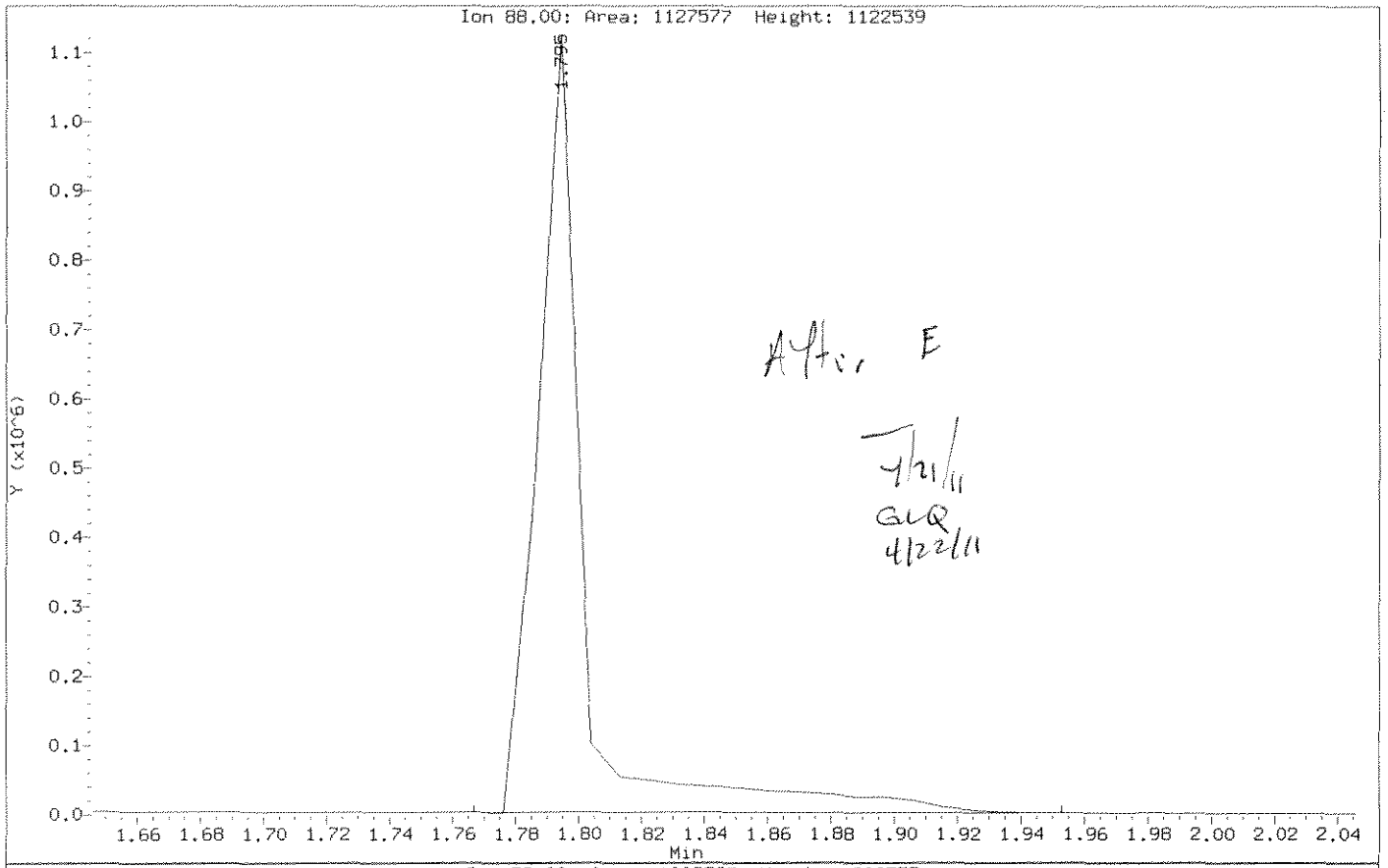
Injection Date: 19-APR-2011 18:26
Instrument: bna4.i
Client Sample ID: SEQ-CAL9

Compound: 1,4-Dioxane
CAS Number: 123-91-1



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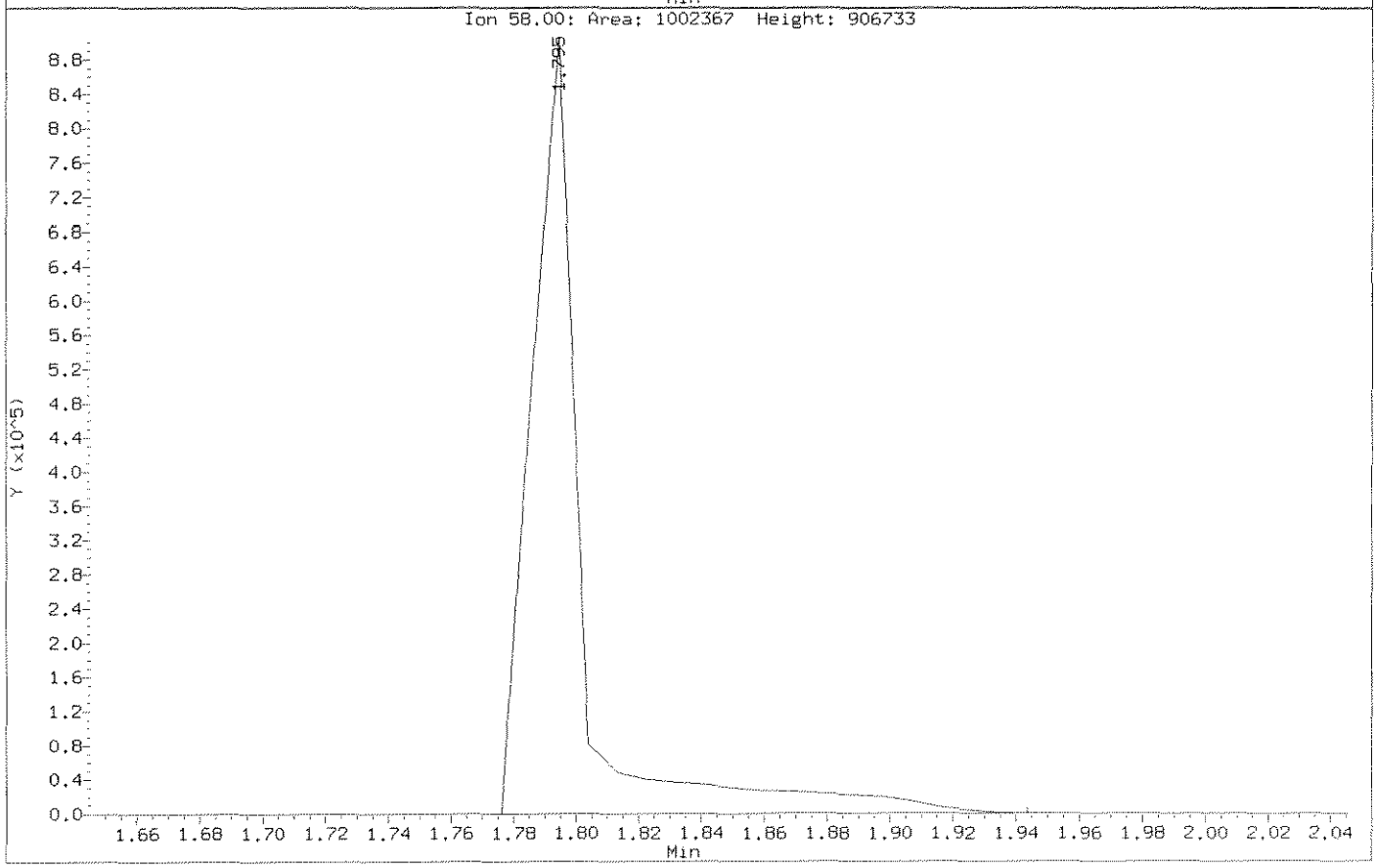

Data File: \\ELABNSH05\TARGET\chem\bna4.i\041911B4E.b\SEQ-ICV1.D
Report Date: 20-Apr-2011 14:24

Laboratory Name

Data file : \\ELABNSH05\TARGET\chem\bna4.i\041911B4E.b\SEQ-ICV1.D
Lab Smp Id: SEQ-ICV1 Client Smp ID: SEQ-ICV1
Inj Date : 19-APR-2011 18:52 MS Autotune Date: 13-JAN-2011 12:07
Operator : MEC Inst ID: bna4.i
Smp Info : ICV-5.0PPM;;;;;11C0006
Misc Info : ;1;;;;;pahsurmis.sub;
Comment :
Method : \\ELABNSH05\TARGET\chem\bna4.i\041911B4E.b\IXBN4LOW.m
Meth Date : 20-Apr-2011 14:24 mcobb Quant Type: ISTD
Cal Date : 19-APR-2011 18:26 Cal File: SEQ-CAL9.D
Als bottle: 13 QC Sample: ICV
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: pahsurmis.sub
Target Version: 4.04
Processing Host: TARGET09_VM

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng/ul)	CONCENTRATIONS FINAL (ng/ul)
*	102 Phenanthrene-d10	188	9.706	9.724	(1.000)	130301	1.00000	
	4 1,4-Dioxane	88	1.794	1.794	(0.185)	120459	5.17119	5.171(M)
	21 N-Nitroso-di-n-propylamine	70	4.853	4.890	(0.500)	209408	5.83074	5.831
	39 Isophorone	82	5.299	5.336	(0.546)	608240	5.46151	5.462
	51 Naphthalene	128	5.829	5.847	(0.601)	915357	5.54250	5.542
	53 Hexachlorobutadiene	225	5.978	5.987	(0.616)	178395	5.87474	5.875
	55 2-Methylnaphthalene	142	6.656	6.675	(0.686)	582027	5.37328	5.373
	56 1-Methylnaphthalene	142	6.768	6.786	(0.697)	542987	5.10728	5.107
	70 Hexachlorocyclopentadiene	237	6.833	6.842	(0.704)	47559	4.05261	4.053
$	74 2-Fluorobiphenyl	172	7.103	7.121	(0.732)	645486	5.80706	5.807(R)
	77 Acenaphthylene	152	7.725	7.753	(0.796)	896159	5.69440	5.694
	80 Acenaphthene	153	7.939	7.958	(0.818)	547877	5.14466	5.145
	88 Fluorene	166	8.571	8.590	(0.883)	564303	5.36838	5.368
	110 Pentachlorophenol	266	9.510	9.529	(0.980)	36079	4.30009	4.300
$	107 2,4,6-Tribromophenol	330	8.869	8.897	(0.914)	232909	~~5.76090~~	~~5.761(R)~~ 11.5218 11.521
	111 Phenanthrene	178	9.733	9.761	(1.003)	818078	5.46501	5.465
	109 Hexachlorobenzene	284	9.231	9.259	(0.951)	221938	5.25839	5.258
	112 Anthracene	178	9.799	9.826	(1.010)	847755	5.60094	5.601
	116 Fluoranthene	202	11.184	11.212	(1.152)	775443	5.35831	5.358
	134 Pyrene	202	11.453	11.481	(1.180)	792113	5.44273	5.443
*	154 Perylene-d12	264	14.837	14.846	(1.000)	56744	1.00000	
$	135 Terphenyl-d14	244	11.676	11.695	(1.203)	507103	5.56180	5.562(R)
	138 Benzo(a)anthracene	228	12.931	12.950	(1.332)	501738	4.94004	4.940
	139 Chrysene	228	12.969	12.996	(1.336)	515703	5.26972	5.270
	140 Bis(2-ethylhexyl)phthalate	149	13.024	13.034	(0.878)	588353	5.41642	5.416
	155 Di-n-octylphthalate	149	13.852	13.880	(0.934)	827439	5.17339	5.173

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Data File: \\ELABNSH05\TARGET\chem\bna4.i\041911B4E.b\SEQ-ICV1.D
Report Date: 20-Apr-2011 14:24

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng/ul)	FINAL (ng/ul)
156 Benzo(b)fluoranthene	252	14.317	14.344	(0.965)	410983	5.26125	5.261(H)
157 Benzo(k)fluoranthene	252	14.354	14.382	(0.967)	414124	5.49948	5.499
158 Benzo(a)pyrene	252	14.763	14.781	(0.995)	330287	5.48910	5.489
159 Indeno(1,2,3-cd)pyrene	276	16.334	16.352	(1.101)	307033	5.58151	5.582
160 Dibenz(a,h)anthracene	278	16.352	16.371	(1.102)	236738	5.29062	5.291
161 Benzo(g,h,i)perylene	276	16.687	16.706	(1.125)	260928	5.46894	5.469

QC Flag Legend

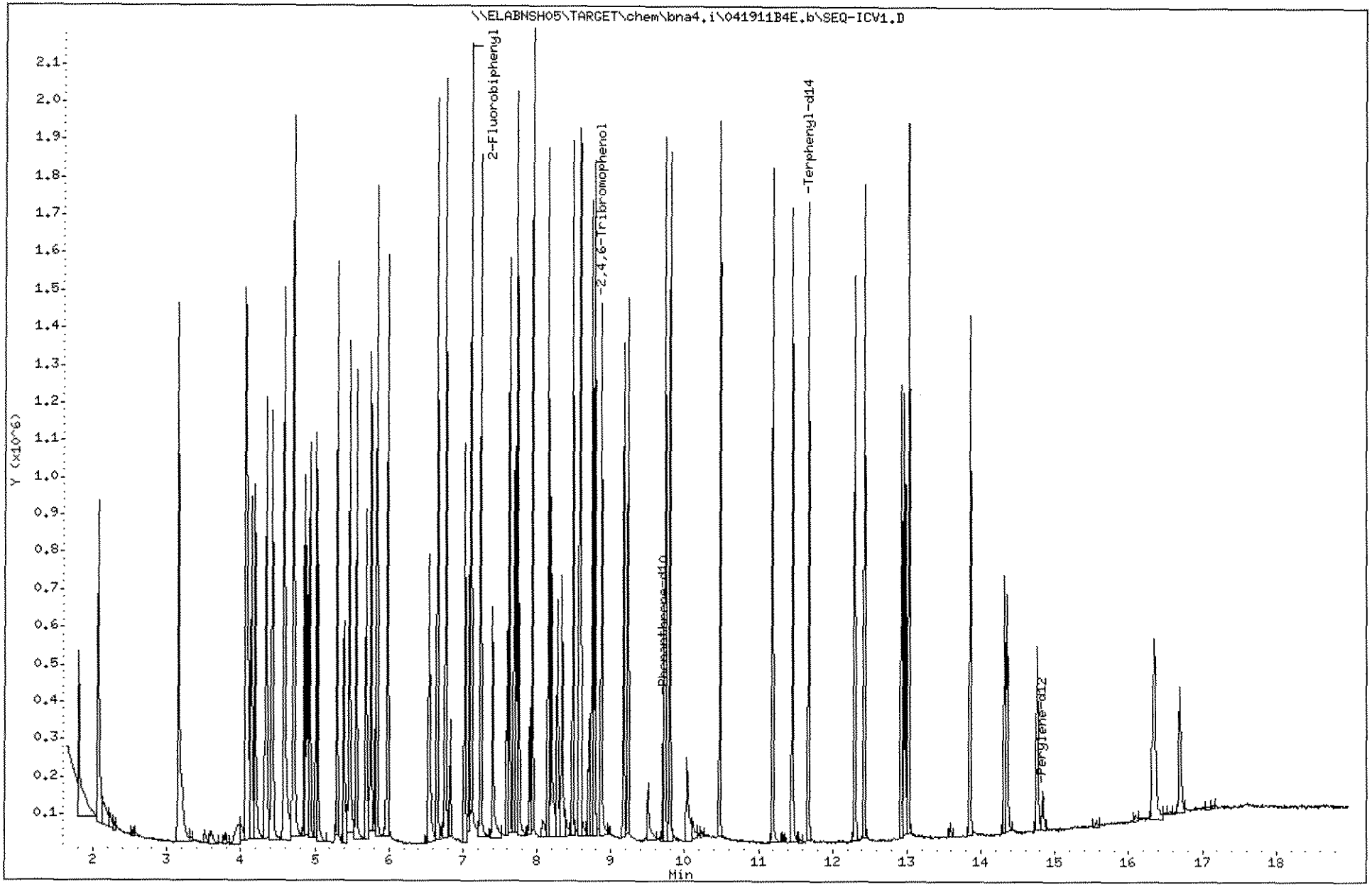
R - Spike/Surrogate failed recovery limits.
M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

Data File: \\ELABNSH05\TARGET\chem\bna4.i\041911B4E.b\SEQ-ICV1.D
Date : 19-APR-2011 18:52
Client ID: SEQ-ICV1
Sample Info: ICV-5.0PPM;;;;;11C0006

Instrument: bna4.i

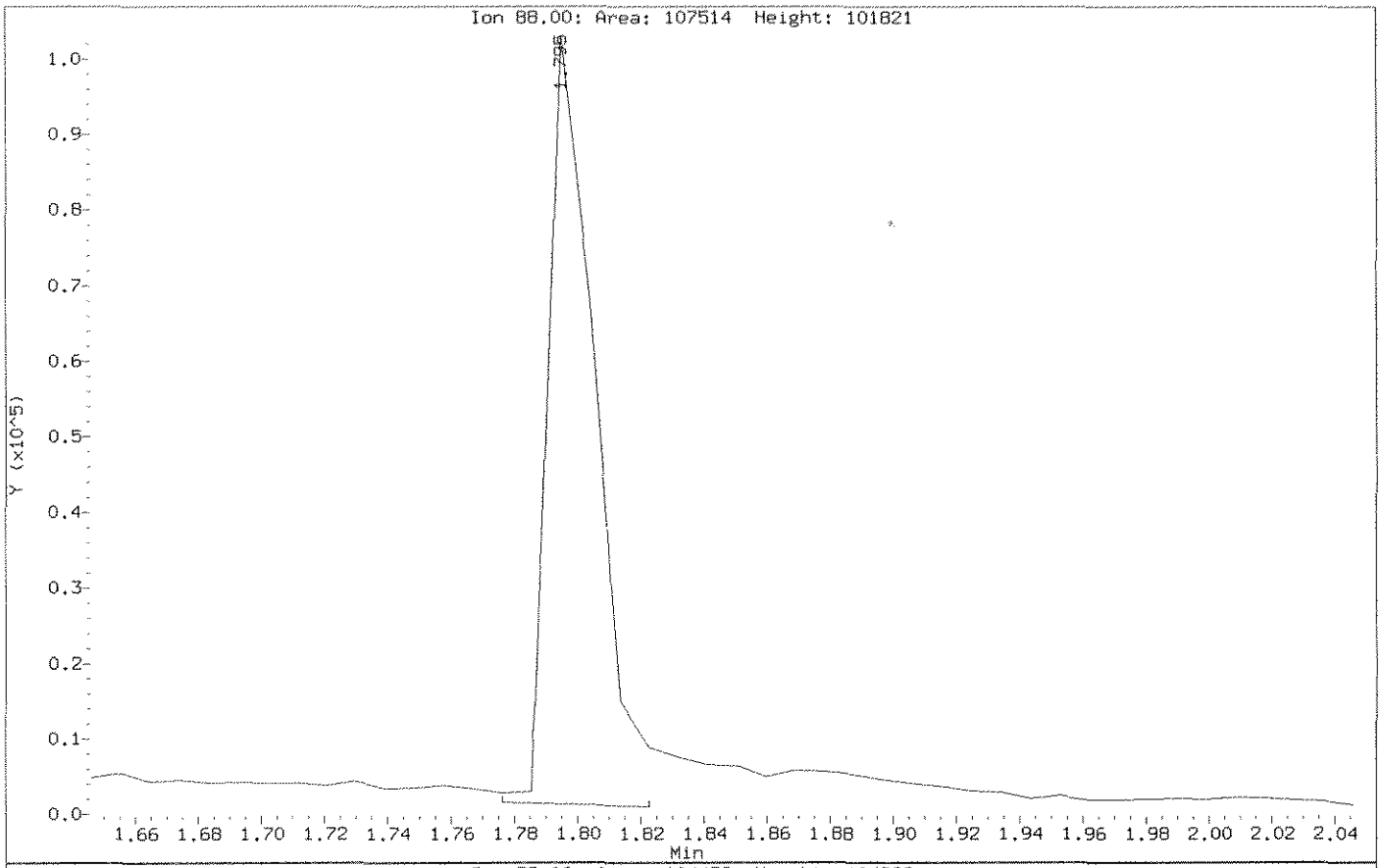
Operator: MEC
Column diameter: 0.25

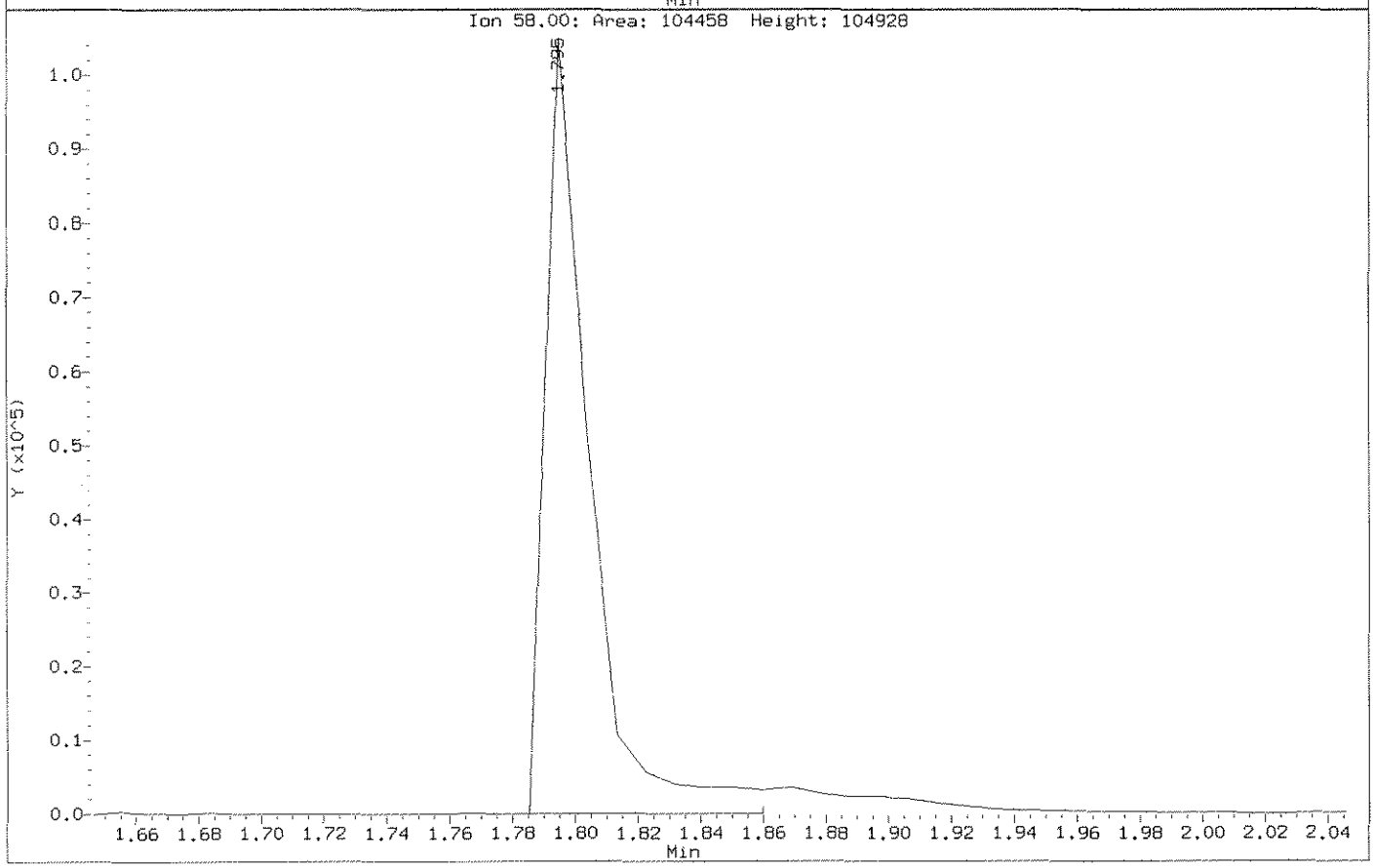
Column phase: fused silica



Data File: \\ELABNSHO5\TARGET\chem\bna4.i\041911B4E.b\SEQ-ICV1.D
Injection Date: 19-APR-2011 18:52
Instrument: bna4.i
Client Sample ID: SEQ-ICV1

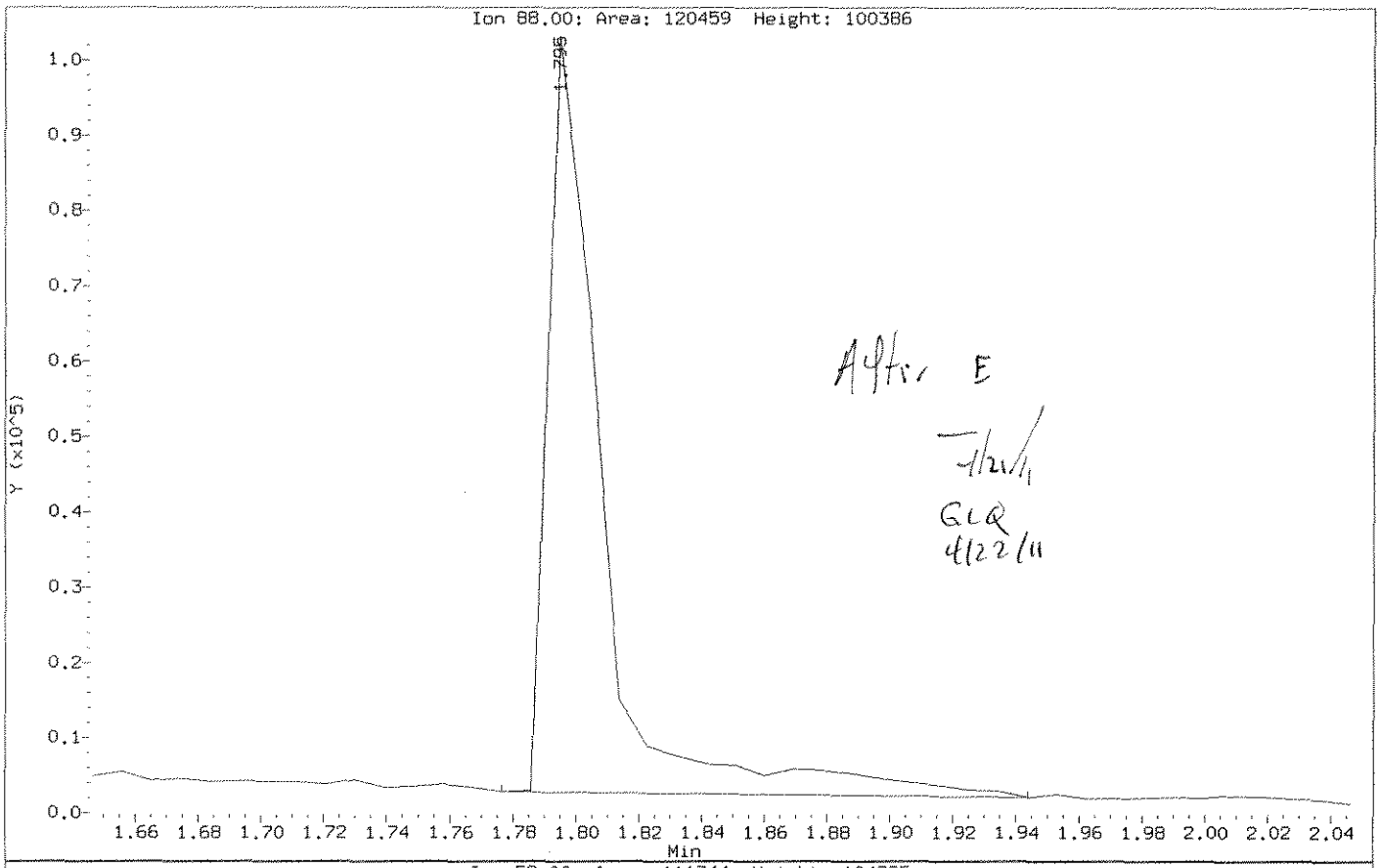
Compound: 1,4-Dioxane
CAS Number: 123-91-1





Data File: \\ELABNSHO5\TARGET\chem\bna4.i\041911B4E.b\SEQ-ICV1.D
Injection Date: 19-APR-2011 18:52
Instrument: bna4.i
Client Sample ID: SEQ-ICV1

Compound: 1,4-Dioxane
CAS Number: 123-91-1



After E

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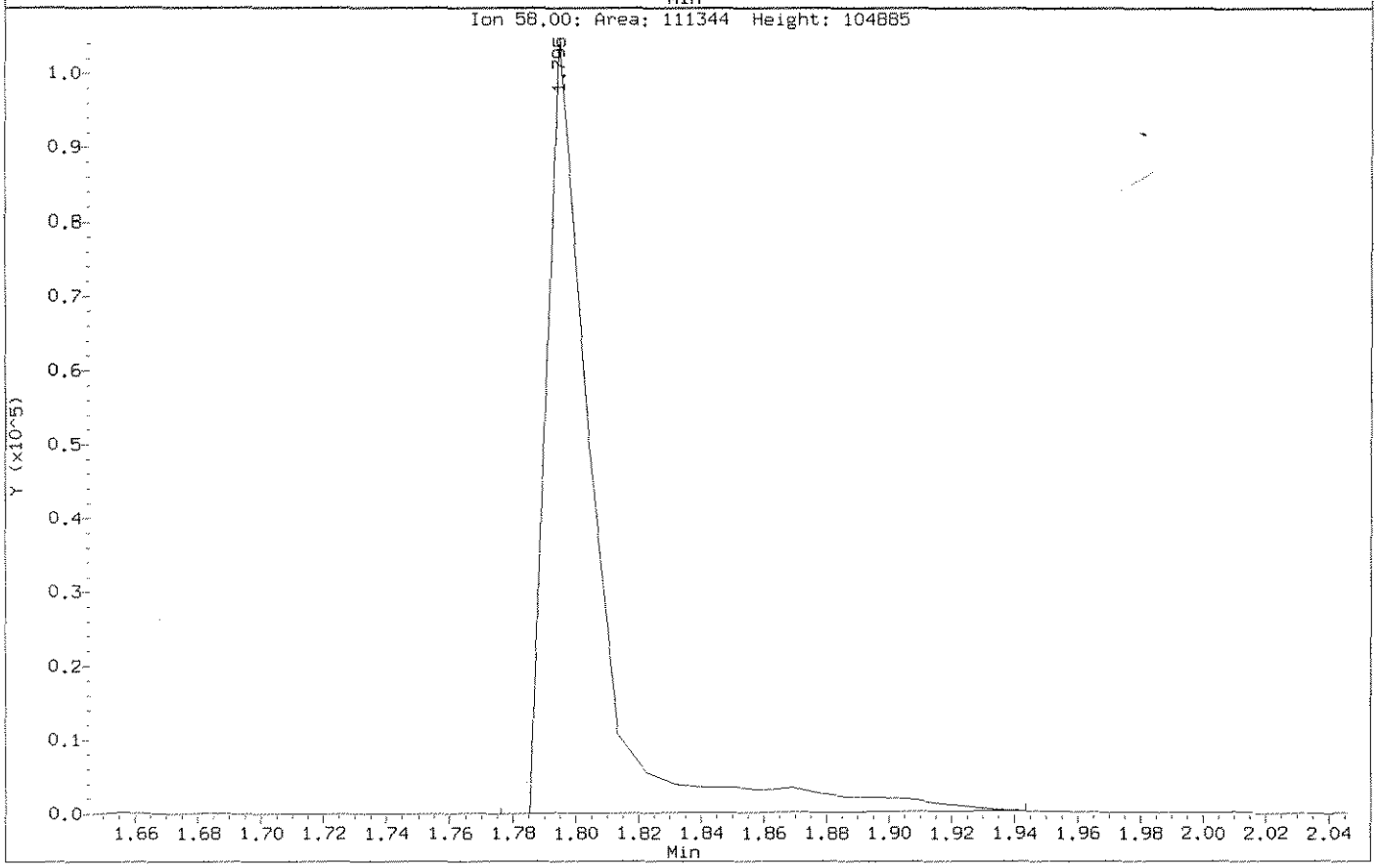

Sequence Name: C:\msdchem\1\sequence\042511B4.S
Comment: EPA8270
Operator: MEC
Data Path: D:\DATA\042511B4\
Instrument Control Pre-Seq Cmd:
Data Analysis Pre-Seq Cmd:

Instrument Control Post-Seq Cmd:
Data Analysis Post-Seq Cmd:

Method Sections To Run
(X) Full Method
( ) Reprocessing Only

On A Barcode Mismatch
(X) Inject Anyway
( ) Don't Inject

870

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GLA 4/26/11

Line		Sample Name/Misc Info
1) Sample	1	SEQ-TUN1 DFBN4LOW DF0425B1;;;;;11D0025 17:46, 4/25
2) Sample	2	SEQ-CCV1 IXBN4LOW CCV-5.0PPM;;;;;11D0462
3) Sample	3	0421901D IXBN4LOW 1104219-01;10;1000;1000;1;UG/
4) Sample	4	0421902 IXBN4LOW 1104219-02;1;1000;1000;1;UG/L
5) Sample	5	0421904D IXBN4LOW 1104219-04;10;1000;1000;1;UG/
6) Sample	6	0421905 IXBN4LOW 1104219-05;1;1000;1000;1;UG/L
7) Spike	7	D19023L1 IXBN4LOW 1D19023-BS1;1;1000;1000;1;UG/
8) Duplicate	8	D19023L2 IXBN4LOW 1D19023-BSD1;1;1000;1000;1;UG
9) Blank	9	D19023B1 IXBN4LOW 1D19023-BLK1;1;1000;1000;1;UG
10) Sample	10	0418901 IXBN4LOW 1104189-01;1;1000;1000;1;UG/L
11) Sample	11	0418902 IXBN4LOW 1104189-02;1;1000;1000;1;UG/L
12) Sample	12	0418903 IXBN4LOW 1104189-03;1;1000;1000;1;UG/L
13) Sample	13	0419101 IXBN4LOW 1104191-01;1;1000;1000;1;UG/L
14) Sample	14	0419102 IXBN4LOW 1104191-02;1;1000;1000;1;UG/L
15) Sample	15	0420703 IXBN4LOW 1104207-03;1;1000;1000;1;UG/L
16) Sample	16	0420704 IXBN4LOW 1104207-04;1;1000;1000;1;UG/L
17) Sample	17	0420705 IXBN4LOW 1104207-05;1;1000;1000;1;UG/L
18) Sample	18	0420706 IXBN4LOW 1104207-06;1;1000;1000;1;UG/L
19) Sample	19	0420707 IXBN4LOW 1104207-07;1;1000;1000;1;UG/L
20) Sample	20	0420708 IXBN4LOW 1104207-08;1;1000;1000;1;UG/L
21) Sample	21	0420709 IXBN4LOW 1104207-09;1;1000;1000;1;UG/L
22) Sample	22	0421001 IXBN4LOW 1104210-01;1;1000;1000;1;UG/L
23) Sample	23	0421002 IXBN4LOW 1104210-02;1;1000;1000;1;UG/L
24) Sample	24	0421003 IXBN4LOW 1104210-03;1;1000;1000;1;UG/L 3:19, 4/26

Last Modified: Tue Apr 26 09:08:10 2011 Page: 1

ANALYSIS SEQUENCE

1D11612

Instrument: MS-BNA4

Calibnration ID: 1112002

Printed: 4/26/2011 12:17:29PM

Lab Number	Analysis	Container	Order	Position	STD ID	ISTD ID	Client	Comments
1D11612-TUN1	QC		1		11D0025			
1D11612-CCV1	QC		2		11D0462	11D0561		
1104219-01	MS_BNA_8270C_LOW_3510	A	3			11D0561	PLANTECO Environmental Consultants, LLC	1,4-dioxane only
1104219-02	MS_BNA_8270C_LOW_3510	A	4			11D0561	PLANTECO Environmental Consultants, LLC	1,4-dioxane only
1104219-04	MS_BNA_8270C_LOW_3510	A	5			11D0561	PLANTECO Environmental Consultants, LLC	1,4-dioxane only
1104219-05	MS_BNA_8270C_LOW_3510	A	6			11D0561	PLANTECO Environmental Consultants, LLC	1,4-dioxane only
1D19023-BS1	QC		7			11D0561		
1D19023-BSD1	QC		8			11D0561		
1D19023-BLK1	QC		9			11D0561		
1104189-01	MS_PAH_8270C_3510_LOV	D	10			11D0561	Tetra Tech NUS, Inc. (T010)	
1104189-02	MS_PAH_8270C_3510_LOV	E	11			11D0561	Tetra Tech NUS, Inc. (T010)	
1104189-03	MS_PAH_8270C_3510_LOV	D	12			11D0561	Tetra Tech NUS, Inc. (T010)	
1104191-01	MS_PAH_8270C_3510_LOV	H	13			11D0561	Tetra Tech NUS, Inc. (T010)	
1104191-02	MS_PAH_8270C_3510_LOV	H	14			11D0561	Tetra Tech NUS, Inc. (T010)	
1104207-03	MS_PAH_8270C_3510_LOV	D	15			11D0561	Tetra Tech NUS, Inc. (T010)	
1104207-04	MS_PAH_8270C_3510_LOV	E	16			11D0561	Tetra Tech NUS, Inc. (T010)	
1104207-05	MS_PAH_8270C_3510_LOV	E	17			11D0561	Tetra Tech NUS, Inc. (T010)	
1104207-06	MS_PAH_8270C_3510_LOV	D	18			11D0561	Tetra Tech NUS, Inc. (T010)	
1104207-07	MS_PAH_8270C_3510_LOV	E	19			11D0561	Tetra Tech NUS, Inc. (T010)	
1104207-08	MS_PAH_8270C_3510_LOV	D	20			11D0561	Tetra Tech NUS, Inc. (T010)	
1104207-09	MS_PAH_8270C_3510_LOV	J	21			11D0561	Tetra Tech NUS, Inc. (T010)	
1104210-01	MS_PAH_8270C_3510_LOV	E	22			11D0561	Tetra Tech NUS, Inc. (T010)	
1104210-02	MS_PAH_8270C_3510_LOV	L	23			11D0561	Tetra Tech NUS, Inc. (T010)	MS/MSD

Samples Loaded By Date

Data Processed By Date

369

CTOJM29_002

ANALYSIS SEQUENCE

1D11612

Instrument: MS-BNA4

Calibnration ID: 1112002

Printed: 4/26/2011 12:17:29PM

Lab Number	Analysis	Container	Order	Position	STD ID	ISTD ID	Client	Comments
1104210-03	MS_PAH_8270C_3510_LOV	D	24			11D0561	Tetra Tech NUS, Inc. (T010)	

Samples Loaded By Date

Data Processed By Date

370

CTOJM29_002

Data File: \\ELABNSH05\TARGET\chem\bna4.i\042511B4.b\SEQ-TUN1.D

Date : 25-APR-2011 17:46

Client ID: 50ppm DFTPP

Instrument: bna4.i

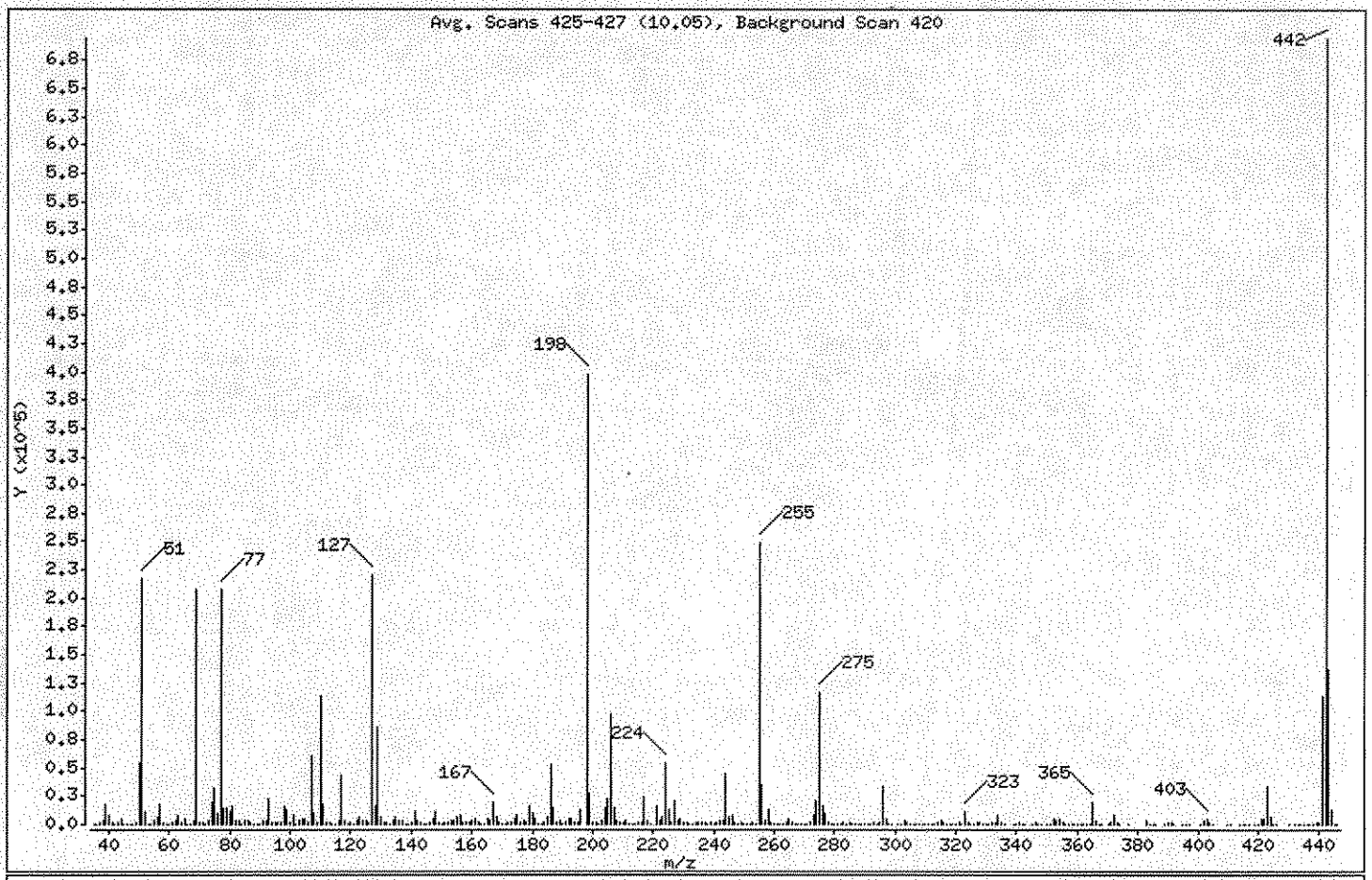
Sample Info: DF0425B1;;;;;11D0025

Operator: MEC

Column phase: DB5-MS

Column diameter: 0.25

1 dftpp



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
198	Base Peak, 100% relative abundance	100.00
51	30.00 - 60.00% of mass 198	54.49
68	Less than 2.00% of mass 69	0.84 (1.61)
69	Mass 69 relative abundance	52.13
70	Less than 2.00% of mass 69	0.29 (0.56)
127	40.00 - 60.00% of mass 198	55.42
197	Less than 1.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	6.77
275	10.00 - 30.00% of mass 198	29.43
365	Greater than 1.00% of mass 198	4.64
441	Present, but less than mass 443	28.26
442	Greater than 40.00% of mass 198	174.35
443	17.00 - 23.00% of mass 442	34.53 (19.80)

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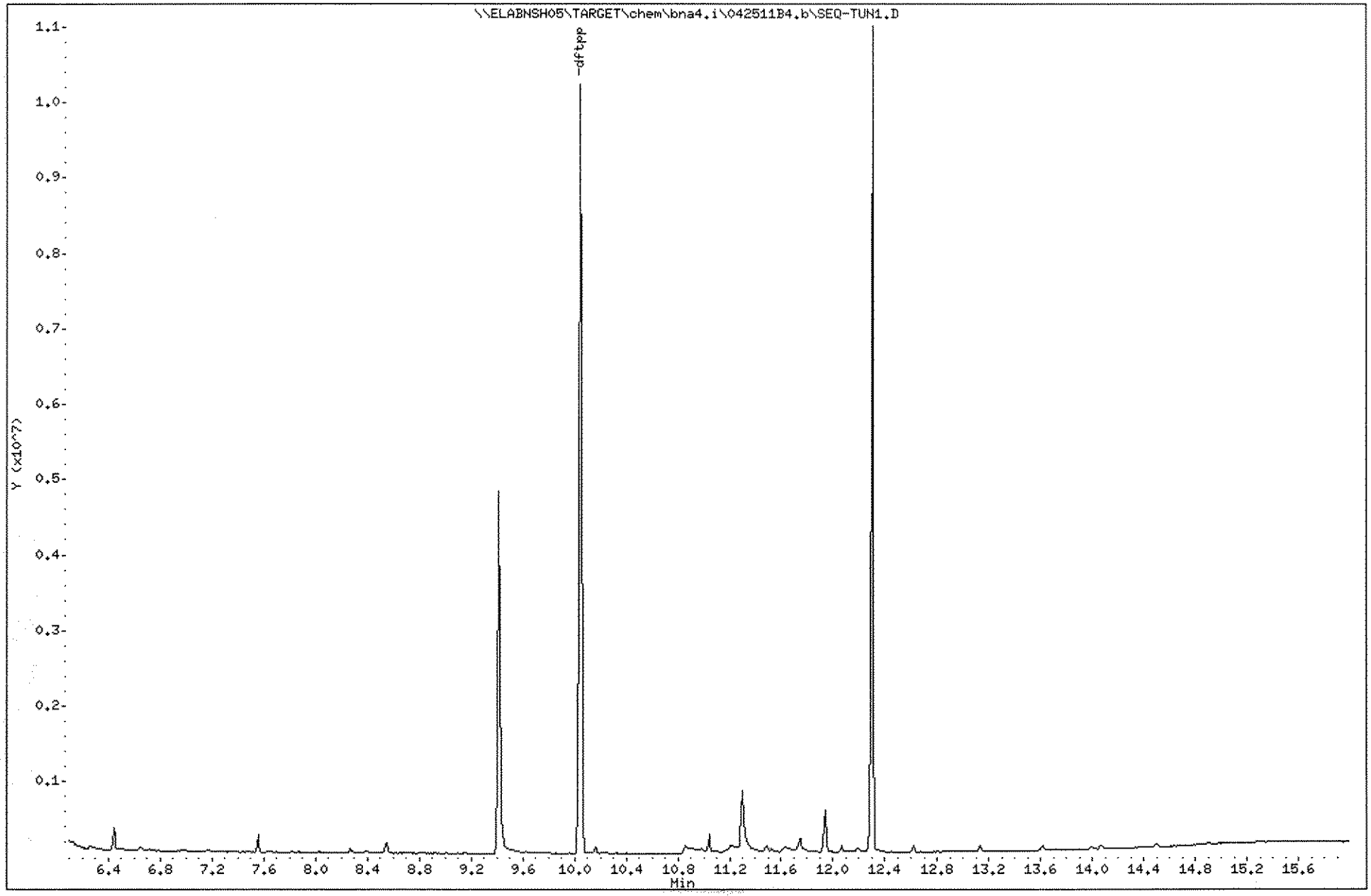
Data File: \\ELABNSH05\TARGET\chem\bna4.i\042511B4.b\SEQ-TUN1.D
Date : 25-APR-2011 17:46
Client ID: 50ppm DFTPP
Instrument: bna4.i
Sample Info: DF0425B1;;;;;11D0025
Operator: MEC
Column phase: DB5-MS
Column diameter: 0.25



Data File: \\ELABNSH05\TARGET\chem\bna4.i\042511B4.b\SEQ-TUN1.D

Date : 25-APR-2011 17:46

Client ID: 50ppm DFTPP

Instrument: bna4.i

Sample Info: DF0425B1;;;;;11D0025

Operator: MEC

Column phase: DB5-MS

Column diameter: 0.25

Data File: SEQ-TUN1.D
Spectrum: Avg. Scans 425-427 (10.05), Background Scan 420
Location of Maximum: 442.00
Number of points: 379

m/z	Y	m/z	Y	m/z	Y	m/z	Y
35.00	20	130.00	6968	227.00	21512	323.00	11677
36.00	449	131.00	1538	228.00	3197	324.00	2217
37.00	837	132.00	1015	229.00	4547	325.00	250
38.00	2895	133.00	632	230.00	838	326.00	338
39.00	17080	134.00	2408	231.00	2184	327.00	2273
40.00	7491	135.00	6729	232.00	442	328.00	1316
41.00	1928	136.00	2467	233.00	515	329.00	196
42.00	447	137.00	2872	234.00	1316	330.00	94
43.00	1649	138.00	679	235.00	1669	331.00	51
44.00	4069	139.00	499	236.00	1056	332.00	970
45.00	796	140.00	1081	237.00	1947	333.00	1237
46.00	90	141.00	10592	238.00	330	334.00	7613
47.00	195	142.00	3327	239.00	912	335.00	1872
48.00	184	143.00	2356	240.00	647	336.00	218
49.00	1496	144.00	574	241.00	1276	339.00	250
50.00	54128	145.00	686	242.00	3035	340.00	127
51.00	217152	146.00	1503	243.00	3490	341.00	1722
52.00	10902	147.00	5186	244.00	44520	342.00	416
53.00	783	148.00	10796	245.00	5751	343.00	73
54.00	205	149.00	2169	246.00	8145	345.00	41
55.00	2486	150.00	617	247.00	1553	346.00	2378
56.00	6842	151.00	1342	248.00	482	347.00	554
57.00	16984	152.00	920	249.00	1585	348.00	86
58.00	877	153.00	3477	250.00	436	350.00	146
59.00	443	154.00	2414	251.00	546	351.00	319
60.00	621	155.00	5934	252.00	713	352.00	4062
61.00	2348	156.00	8128	253.00	1772	353.00	2861
62.00	2800	157.00	1639	254.00	36	354.00	4154
63.00	7674	158.00	1833	255.00	248640	355.00	1223
64.00	1176	159.00	1512	256.00	35208	356.00	172
65.00	4036	160.00	2964	257.00	2878	357.00	186
66.00	346	161.00	4529	258.00	13099	358.00	120
67.00	721	162.00	1397	259.00	1883	359.00	364
68.00	3339	163.00	766	260.00	458	360.00	102
69.00	207744	164.00	610	261.00	436	361.00	171

Data File: \\ELABNSH05\TARGET\chem\bna4.i\042511B4.b\SEQ-TUN1.D

Date : 25-APR-2011 17:46

Client ID: 50ppm DFTPP Instrument: bna4.i

Sample Info: DF0425B1;;;;;11D0025

Operator: MEC

Column phase: DB5-MS Column diameter: 0.25

Data File: SEQ-TUN1.D

Spectrum: Avg. Scans 425-427 (10.05), Background Scan 420

Location of Maximum: 442.00

Number of points: 379

m/z	Y	m/z	Y	m/z	Y	m/z	Y
70.00	1159	165.00	4014	262.00	59	362.00	53
71.00	811	166.00	3203	263.00	168	363.00	115
72.00	211	167.00	19040	264.00	878	364.00	262
73.00	2788	168.00	7067	265.00	5506	365.00	18480
74.00	18424	169.00	1691	266.00	1572	366.00	2471
75.00	31176	170.00	740	267.00	505	367.00	152
76.00	9498	171.00	723	268.00	677	368.00	22
77.00	208256	172.00	1623	269.00	247	370.00	544
78.00	13992	173.00	2165	270.00	475	371.00	1219
79.00	13596	174.00	4263	271.00	722	372.00	7633
80.00	10679	175.00	7572	272.00	844	373.00	1975
81.00	15902	176.00	2335	273.00	8556	374.00	206
82.00	3947	177.00	3506	274.00	20880	377.00	229
83.00	3899	178.00	1257	275.00	117296	383.00	2456
84.00	516	179.00	15358	276.00	15361	384.00	608
85.00	2660	180.00	9832	277.00	8977	385.00	211
86.00	3874	181.00	4805	278.00	1347	386.00	20
87.00	1928	182.00	710	279.00	274	389.00	80
88.00	725	183.00	538	280.00	44	390.00	1244
89.00	387	184.00	1261	281.00	629	391.00	841
90.00	94	185.00	6886	282.00	400	392.00	597
91.00	3736	186.00	53184	283.00	1248	395.00	113
92.00	3746	187.00	14972	284.00	690	396.00	28
93.00	22952	188.00	1513	285.00	1859	397.00	86
94.00	1646	189.00	3112	286.00	322	401.00	637
95.00	1194	190.00	589	287.00	28	402.00	3411
96.00	1208	191.00	1782	288.00	104	403.00	5192
97.00	1026	192.00	4690	289.00	359	404.00	1855
98.00	16196	193.00	5239	290.00	284	405.00	337
99.00	12620	194.00	1201	291.00	226	410.00	163
100.00	1185	195.00	1083	292.00	601	411.00	24
101.00	8401	196.00	12375	293.00	2288	414.00	25
102.00	569	198.00	398528	294.00	635	415.00	278
103.00	2761	199.00	26992	295.00	1176	416.00	46
104.00	4954	200.00	2234	296.00	33136	417.00	24

Data File: \\ELABNSH05\TARGET\chem\bna4.i\042511B4.b\SEQ-TUN1.D

Date : 25-APR-2011 17:46

Client ID: 50ppm DFTPP

Instrument: bna4.i

Sample Info: DF0425B1;;;;;11D0025

Operator: MEC

Column phase: DB5-MS

Column diameter: 0.25

Data File: SEQ-TUN1.D

Spectrum: Avg. Scans 425-427 (10.05), Background Scan 420

Location of Maximum: 442.00

Number of points: 379

m/z	Y	m/z	Y	m/z	Y	m/z	Y
105.00	4827	201.00	1785	297.00	4498	419.00	134
106.00	1487	202.00	186	298.00	274	420.00	150
107.00	61024	203.00	2785	299.00	74	421.00	4883
108.00	9630	204.00	13835	301.00	467	422.00	4753
109.00	1973	205.00	22976	302.00	663	423.00	34224
110.00	113816	206.00	97504	303.00	3935	424.00	6883
111.00	17600	207.00	13609	304.00	1024	425.00	641
112.00	2000	208.00	3291	305.00	79	426.00	39
113.00	800	209.00	1226	306.00	23	430.00	20
114.00	167	210.00	1618	307.00	99	432.00	111
115.00	508	211.00	3966	308.00	452	433.00	135
116.00	3426	212.00	509	309.00	339	434.00	113
117.00	42640	213.00	318	310.00	445	435.00	299
118.00	3213	214.00	195	311.00	85	436.00	451
119.00	706	215.00	1020	312.00	134	437.00	732
120.00	992	216.00	2222	313.00	401	438.00	700
121.00	423	217.00	24584	314.00	1808	439.00	904
122.00	3604	218.00	3183	315.00	3855	440.00	1765
123.00	5918	219.00	392	316.00	2061	441.00	112632
124.00	2998	221.00	15641	317.00	410	442.00	694848
125.00	2661	222.00	3168	318.00	44	443.00	137600
126.00	1642	223.00	6457	319.00	26	444.00	13099
127.00	220864	224.00	55080	320.00	107	445.00	725
128.00	16680	225.00	13060	321.00	1188	446.00	307
129.00	86048	226.00	1606	322.00	761		

Data File: \\ELABNSH05\TARGET\chem\bna4.i\042511B4.b\SEQ-CCV1.D
Report Date: 26-Apr-2011 09:50

Laboratory Name

Data file : \\ELABNSH05\TARGET\chem\bna4.i\042511B4.b\SEQ-CCV1.D
Lab Smp Id: SEQ-CCV1 Client Smp ID: SEQ-CCV1
Inj Date : 25-APR-2011 18:05 MS Autotune Date: 13-JAN-2011 12:07
Operator : MEC Inst ID: bna4.i
Smp Info : CCV-5.0PPM;;;;;11D0462
Misc Info : ;;;;;;pahsurmis.sub;
Comment :
Method : \\ELABNSH05\TARGET\chem\bna4.i\042511B4.b\IXBN4LOW.m
Meth Date : 25-Apr-2011 18:53 mcobb Quant Type: ISTD
Cal Date : 19-APR-2011 18:26 Cal File: SEQ-CAL9.D
Als bottle: 2 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: pahsurmis.sub
Target Version: 4.04
Processing Host: TARGET09_VM

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng/ul)	AMOUNTS ON-COL (ng/ul)
*	102 Phenanthrene-d10	188	9.624	9.624	(1.000)	120836	1.00000	
	4 1,4-Dioxane	88	1.732	1.732	(0.180)	87087	5.00000	4.031(M)
	21 N-Nitroso-di-n-propylamine	70	4.781	4.781	(0.497)	161997	5.00000	4.864
	39 Isophorone	82	5.227	5.227	(0.543)	511566	5.00000	4.953
	51 Naphthalene	128	5.757	5.757	(0.598)	748807	5.00000	4.889
	53 Hexachlorobutadiene	225	5.906	5.906	(0.614)	149259	5.00000	5.300
	55 2-Methylnaphthalene	142	6.575	6.575	(0.683)	473774	5.00000	4.716
	56 1-Methylnaphthalene	142	6.687	6.687	(0.695)	443673	5.00000	4.500
	70 Hexachlorocyclopentadiene	237	6.761	6.761	(0.703)	49356	5.00000	4.409
$	74 2-Fluorobiphenyl	172	7.031	7.031	(0.731)	489772	5.00000	4.751
	77 Acenaphthylene	152	7.644	7.644	(0.794)	732487	5.00000	5.019
	80 Acenaphthene	153	7.858	7.858	(0.816)	463953	5.00000	4.698
	88 Fluorene	166	8.481	8.481	(0.881)	490816	5.00000	5.035
	110 Pentachlorophenol	266	9.420	9.420	(0.979)	42633	5.00000	4.940
$	107 2,4,6-Tribromophenol	330	8.788	8.788	(0.913)	218881	10.0000	11.68
	111 Phenanthrene	178	9.643	9.643	(1.002)	683226	5.00000	4.922
	109 Hexachlorobenzene	284	9.150	9.150	(0.951)	190995	5.00000	4.880
	112 Anthracene	178	9.708	9.708	(1.009)	701192	5.00000	4.996
	116 Fluoranthene	202	11.102	11.102	(1.154)	659423	5.00000	4.914
	134 Pyrene	202	11.363	11.363	(1.181)	662639	5.00000	4.910
*	154 Perylene-d12	264	14.719	14.719	(1.000)	65369	1.00000	
$	135 Terphenyl-d14	244	11.595	11.595	(1.205)	407795	5.00000	4.823
	138 Benzo(a)anthracene	228	12.841	12.841	(1.334)	425131	5.00000	4.514
	139 Chrysene	228	12.878	12.878	(1.338)	424987	5.00000	4.683
	140 Bis(2-ethylhexyl)phthalate	149	12.943	12.943	(0.879)	620104	5.00000	4.950
	155 Di-n-octylphthalate	149	13.761	13.761	(0.935)	967057	5.00000	5.242

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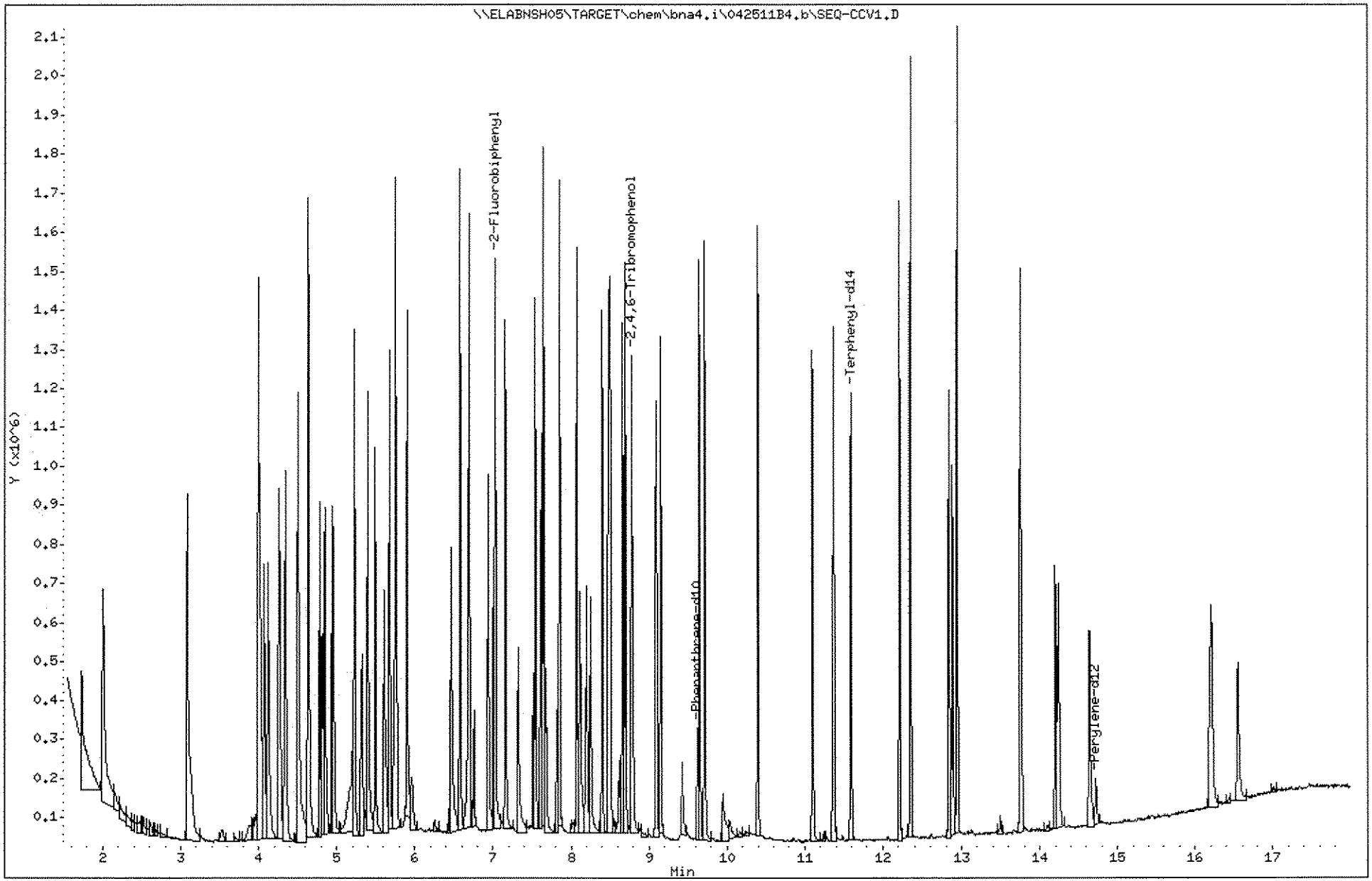
Data File: \\ELABNSH05\TARGET\chem\bna4.i\042511B4.b\SEQ-CCV1.D
Report Date: 26-Apr-2011 09:50

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng/ul)	AMOUNTS ON-COL (ng/ul)
156 Benzo(b)fluoranthene	252	14.198	14.198	(0.965)	359882	5.00000	3.999
157 Benzo(k)fluoranthene	252	14.235	14.235	(0.967)	428593	5.00000	4.941
158 Benzo(a)pyrene	252	14.644	14.644	(0.995)	329422	5.00000	4.752
159 Indeno(1,2,3-cd)pyrene	276	16.197	16.197	(1.100)	311390	5.00000	4.914
160 Dibenz(a,h)anthracene	278	16.215	16.215	(1.102)	247305	5.00000	4.798
161 Benzo(g,h,i)perylene	276	16.550	16.550	(1.124)	274308	5.00000	4.991

QC Flag Legend

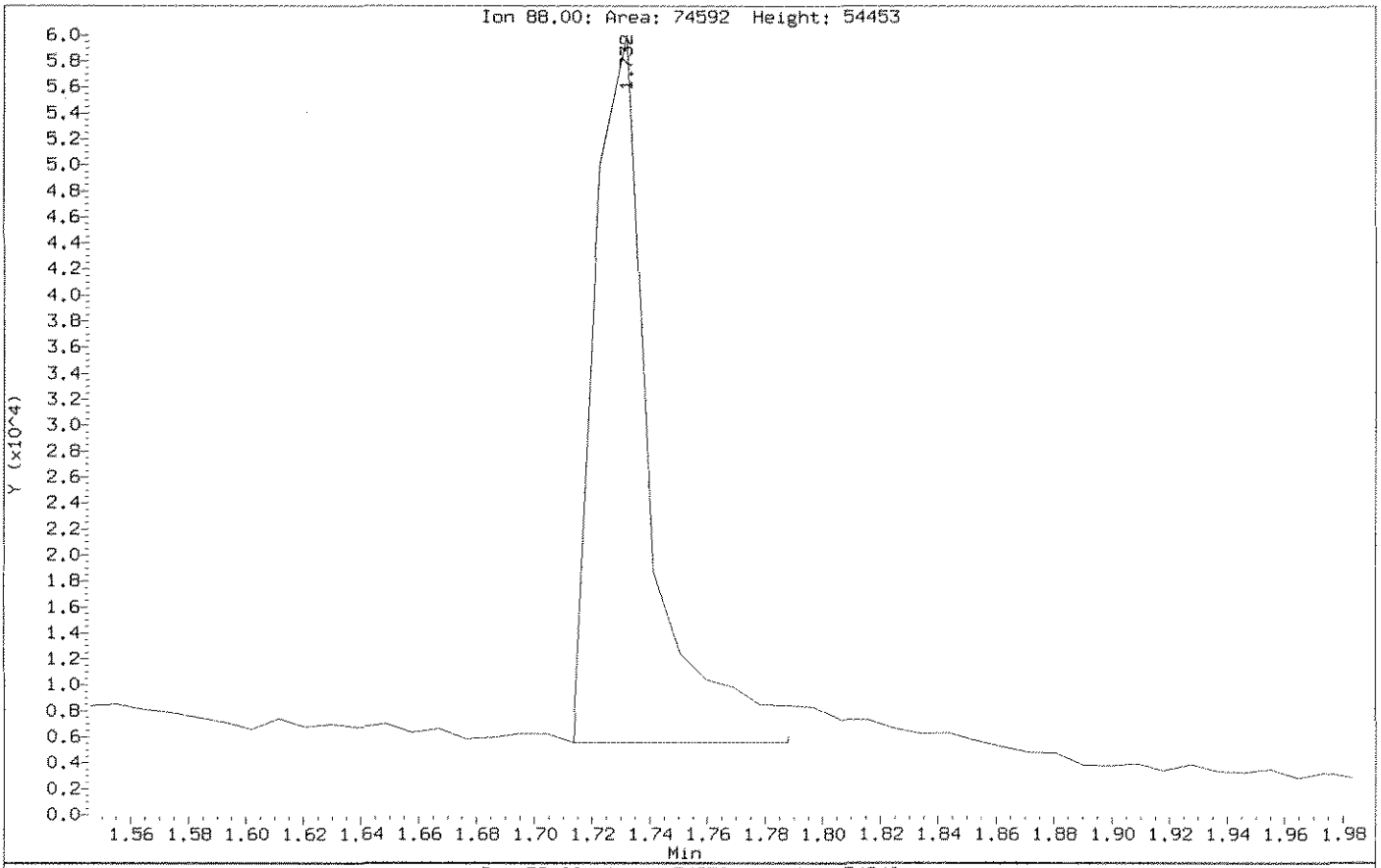
M - Compound response manually integrated.

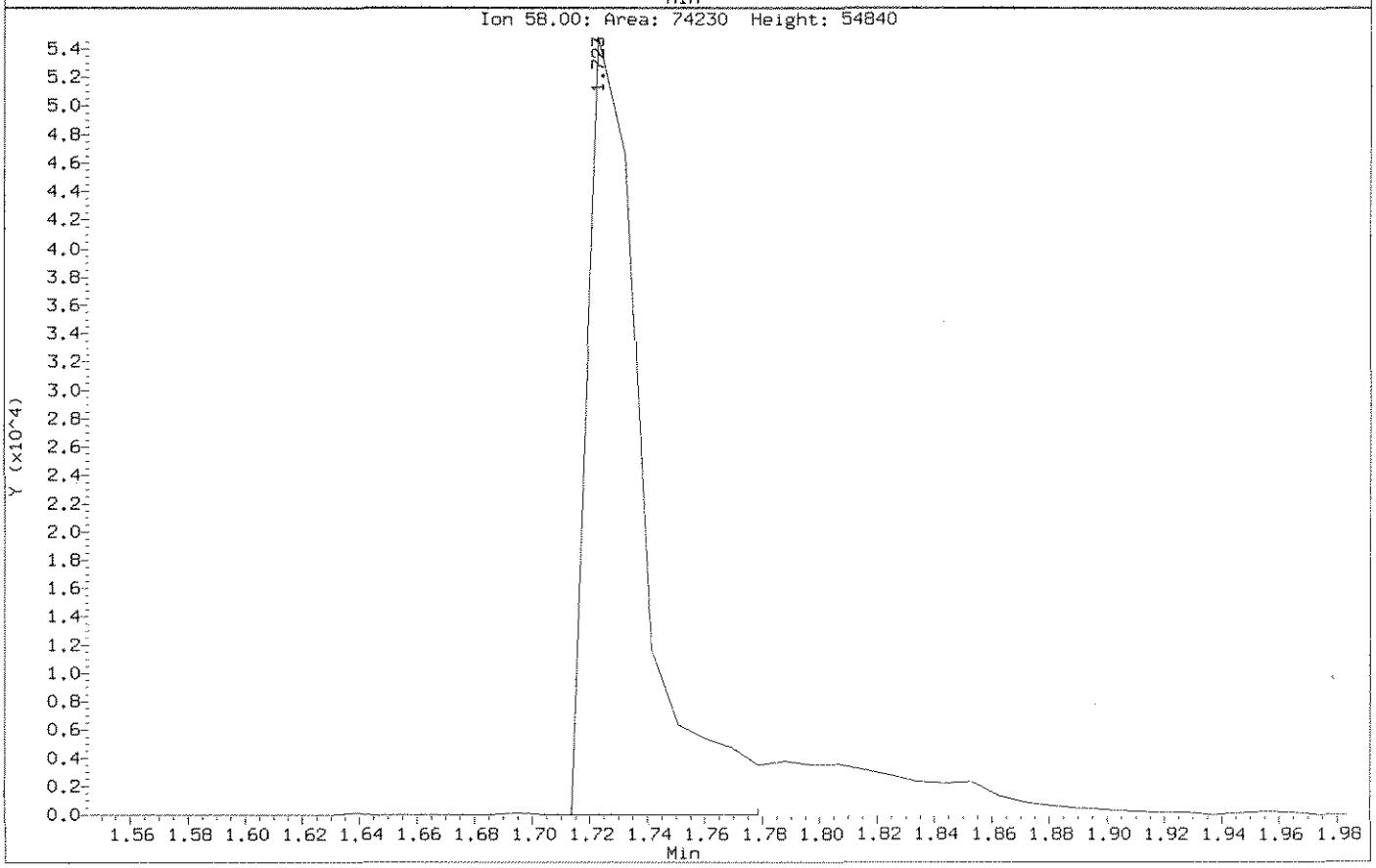
Data File: \\ELABNSH05\TARGET\chem\bna4.i\042511B4.b\SEQ-CCV1.D
Date : 25-APR-2011 18:05
Client ID: SEQ-CCV1
Instrument: bna4.i
Sample Info: CCV-5.0PPM;;;;;11D0462
Operator: MEC
Column phase: fused silica
Column diameter: 0.25



Data File: \\ELABNSH05\TARGET\chem\bna4.i\042511B4.b\SEQ-CCV1.D
Injection Date: 25-APR-2011 18:05
Instrument: bna4.i
Client Sample ID: SEQ-CCV1

Compound: 1,4-Dioxane
CAS Number: 123-91-1





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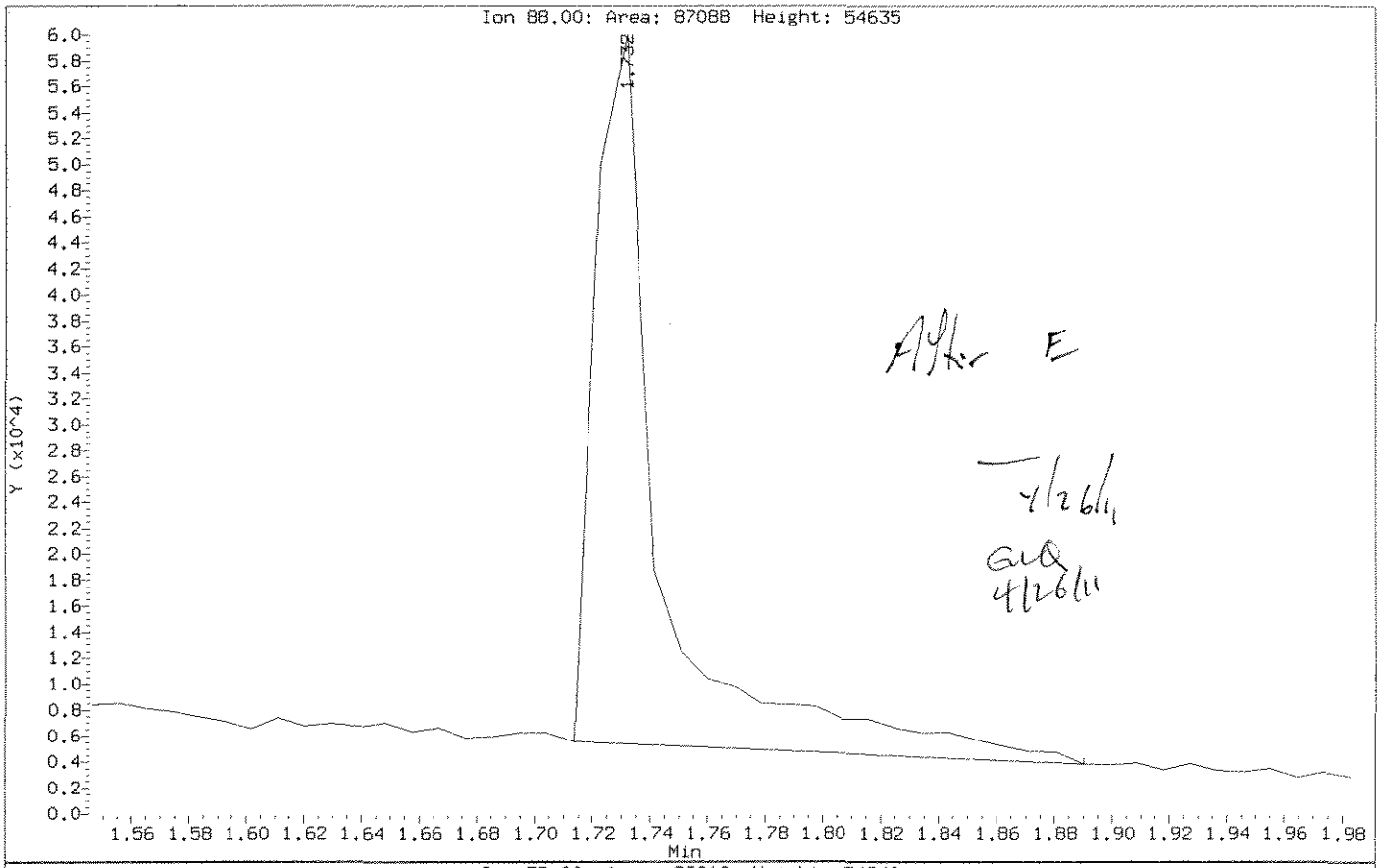
Injection Date: 25-APR-2011 18:05
Instrument: bna4.i
Client Sample ID: SEQ-CCV1

Compound: 1,4-Dioxane
CAS Number: 123-91-1



After E

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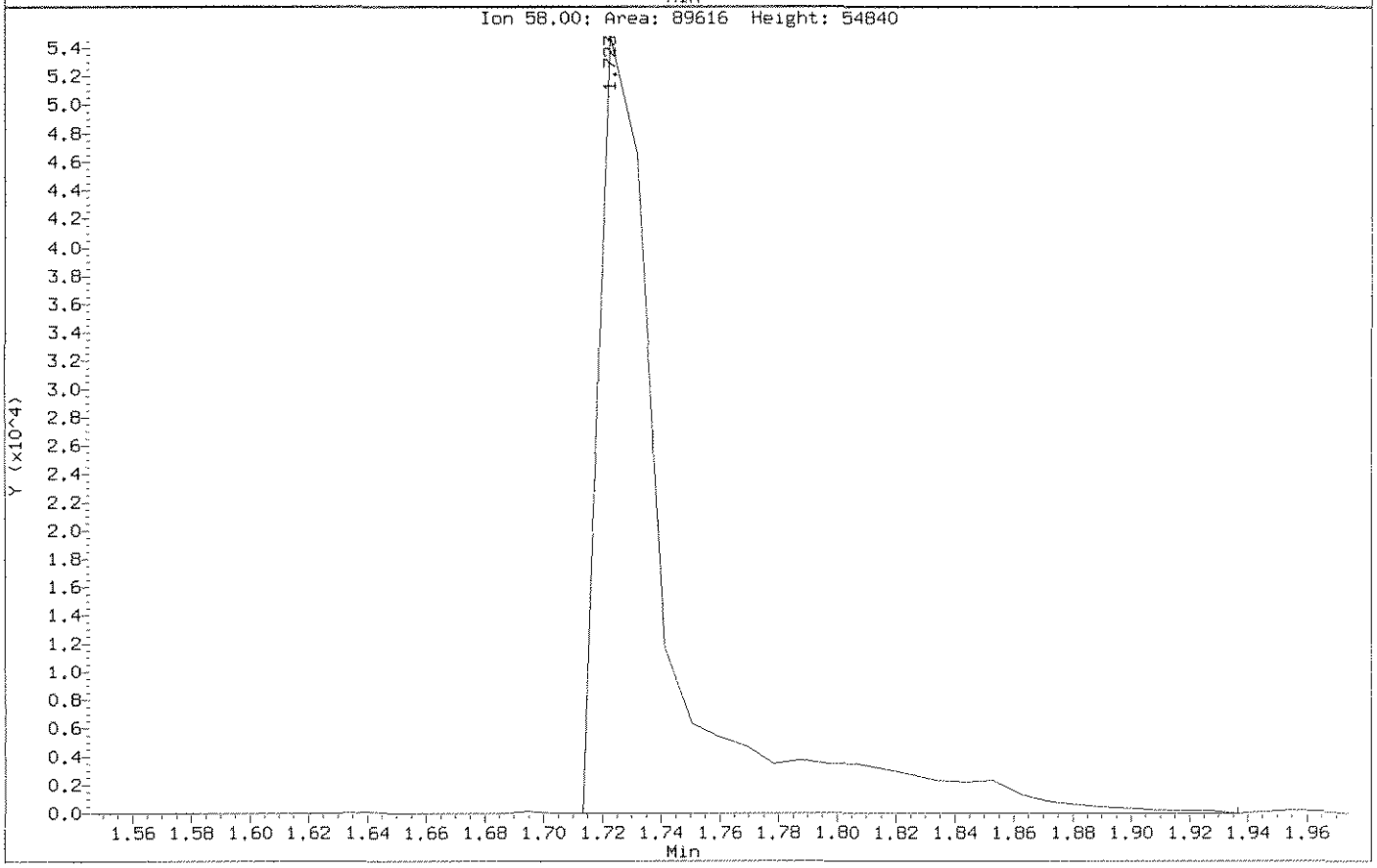
QA 4/26/11



Data File: \\ELABNSH05\TARGET\chem\bna4.i\042511B4.b\D19023L1.D
Report Date: 26-Apr-2011 10:55

Laboratory Name

Data file : \\ELABNSH05\TARGET\chem\bna4.i\042511B4.b\D19023L1.D
Lab Smp Id: 1D19023-BS1 Client Smp ID: 1D19023-BS1
Inj Date : 25-APR-2011 20:14 MS Autotune Date: 13-JAN-2011 12:07
Operator : MEC Inst ID: bna4.i
Smp Info : 1D19023-BS1;1;1000;1000;1;UG/L;20-APR-2011
Misc Info : ;3;LCS;;;1D19023;pahlow.sub;
Comment :
Method : \\ELABNSH05\TARGET\chem\bna4.i\042511B4.b\IXBN4LOW.m
Meth Date : 26-Apr-2011 10:53 mcobb Quant Type: ISTD
Cal Date : 19-APR-2011 18:26 Cal File: SEQ-CAL9.D
Als bottle: 7 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: pahlow.sub
Target Version: 4.04
Processing Host: TARGET09_VM

Concentration Formula: Amt * DF * Uf * Vt* Vi/(Amt * Vi)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vt	1000.000	Volume of final extract (uL)
Vi	1.000	Volume injected (uL)
Amt	1000.000	Volume of initial extraction

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng/ul)	CONCENTRATIONS FINAL (ug/L)
51 Naphthalene	128	5.757	5.757	(0.598)	136934	0.79228	0.7923
55 2-Methylnaphthalene	142	6.575	6.575	(0.683)	94452	0.83322	0.8332
56 1-Methylnaphthalene	142	6.687	6.687	(0.695)	83131	0.74716	0.7472
$ 74 2-Fluorobiphenyl	172	7.031	7.031	(0.731)	4460559	38.3451	38.34
77 Acenaphthylene	152	7.644	7.644	(0.794)	138136	0.83873	0.8387
80 Acenaphthene	153	7.858	7.858	(0.816)	93676	0.84053	0.8405
88 Fluorene	166	8.490	8.481	(0.882)	98399	0.89448	0.8945
* 102 Phenanthrene-d10	188	9.624	9.624	(1.000)	136363	1.00000	
111 Phenanthrene	178	9.652	9.643	(1.003)	142530	0.90982	0.9098
112 Anthracene	178	9.717	9.708	(1.010)	134928	0.85181	0.8518
116 Fluoranthene	202	11.102	11.102	(1.154)	135674	0.89583	0.8958
134 Pyrene	202	11.372	11.363	(1.182)	137071	0.89997	0.9000
* 154 Perylene-d12	264	14.719	14.719	(1.000)	61664	1.00000	
$ 135 Terphenyl-d14	244	11.604	11.595	(1.206)	3364289	35.2585	35.26

4/26/11
GLQ
4/26/11

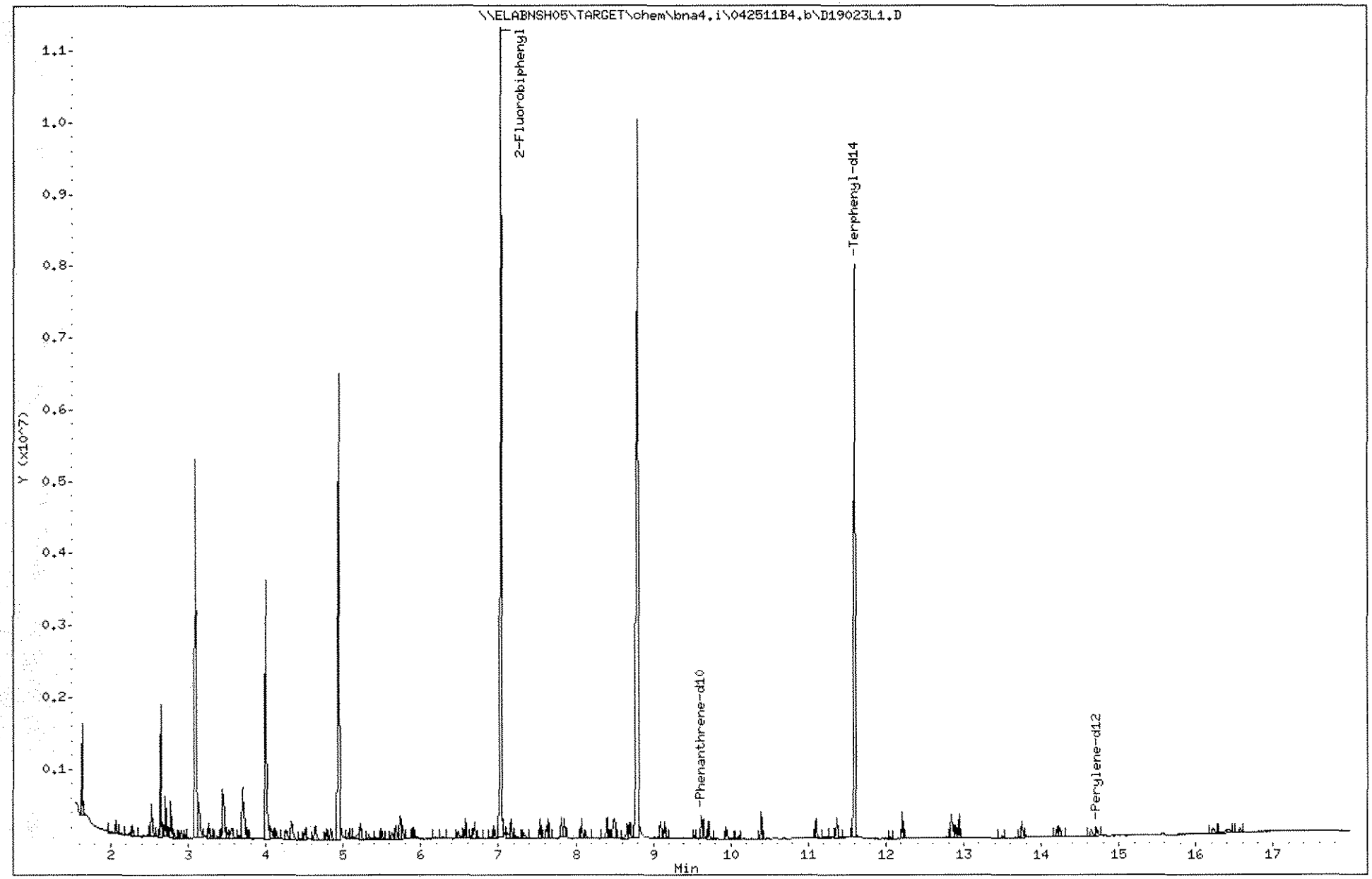
Data File: \\ELABNSH05\TARGET\chem\bna4.i\042511B4.b\D19023L1.D
Report Date: 26-Apr-2011 10:55

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng/ul)	FINAL (ug/L)
138 Benzo(a)anthracene	228	12.841	12.841	(1.334)	84081	0.79105	0.7910
139 Chrysene	228	12.887	12.878	(1.339)	77853	0.76018	0.7602
156 Benzo(b)fluoranthene	252	14.207	14.198	(0.965)	69288	0.81623	0.8162(M)
157 Benzo(k)fluoranthene	252	14.245	14.235	(0.968)	71653	0.87562	0.8756
158 Benzo(a)pyrene	252	14.644	14.644	(0.995)	53548	0.81892	0.8189
159 Indeno(1,2,3-cd)pyrene	276	16.215	16.197	(1.102)	40909	0.68434	0.6843
160 Dibenz(a,h)anthracene	278	16.225	16.215	(1.102)	28261	0.58119	0.5812
161 Benzo(g,h,i)perylene	276	16.569	16.550	(1.126)	39193	0.75593	0.7559

QC Flag Legend

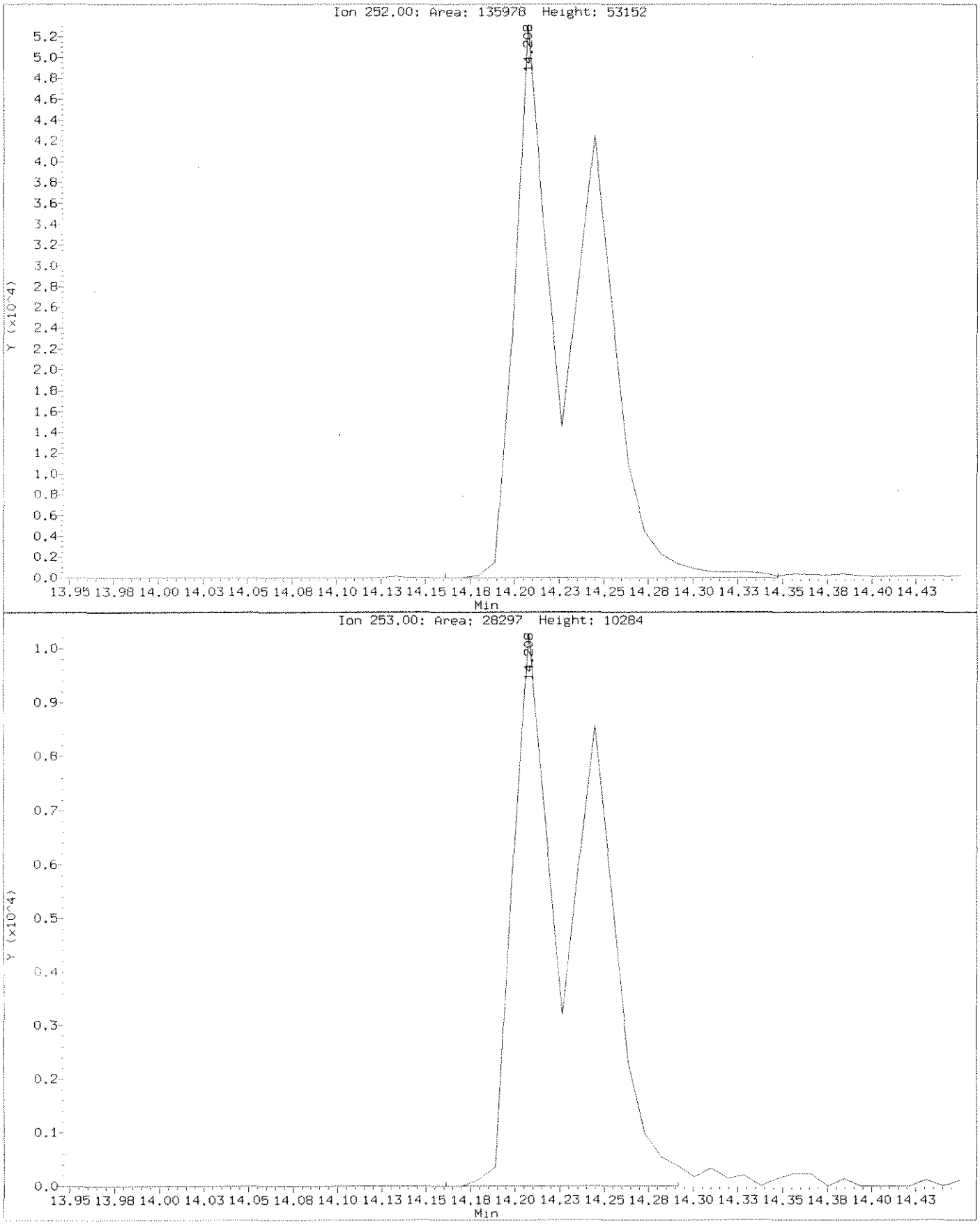
M - Compound response manually integrated.

Data File: \\ELABNSH05\TARGET\chem\bna4.i\042511B4.b\D19023L1.D
Date : 25-APR-2011 20:14
Client ID: 1D19023-BS1
Instrument: bna4.i
Sample Info: 1D19023-BS1;1;1000;1000;1;UG/L;20-APR-2011
Volume Injected (uL): 1.0
Operator: MEC
Column phase: fused silica
Column diameter: 0.25



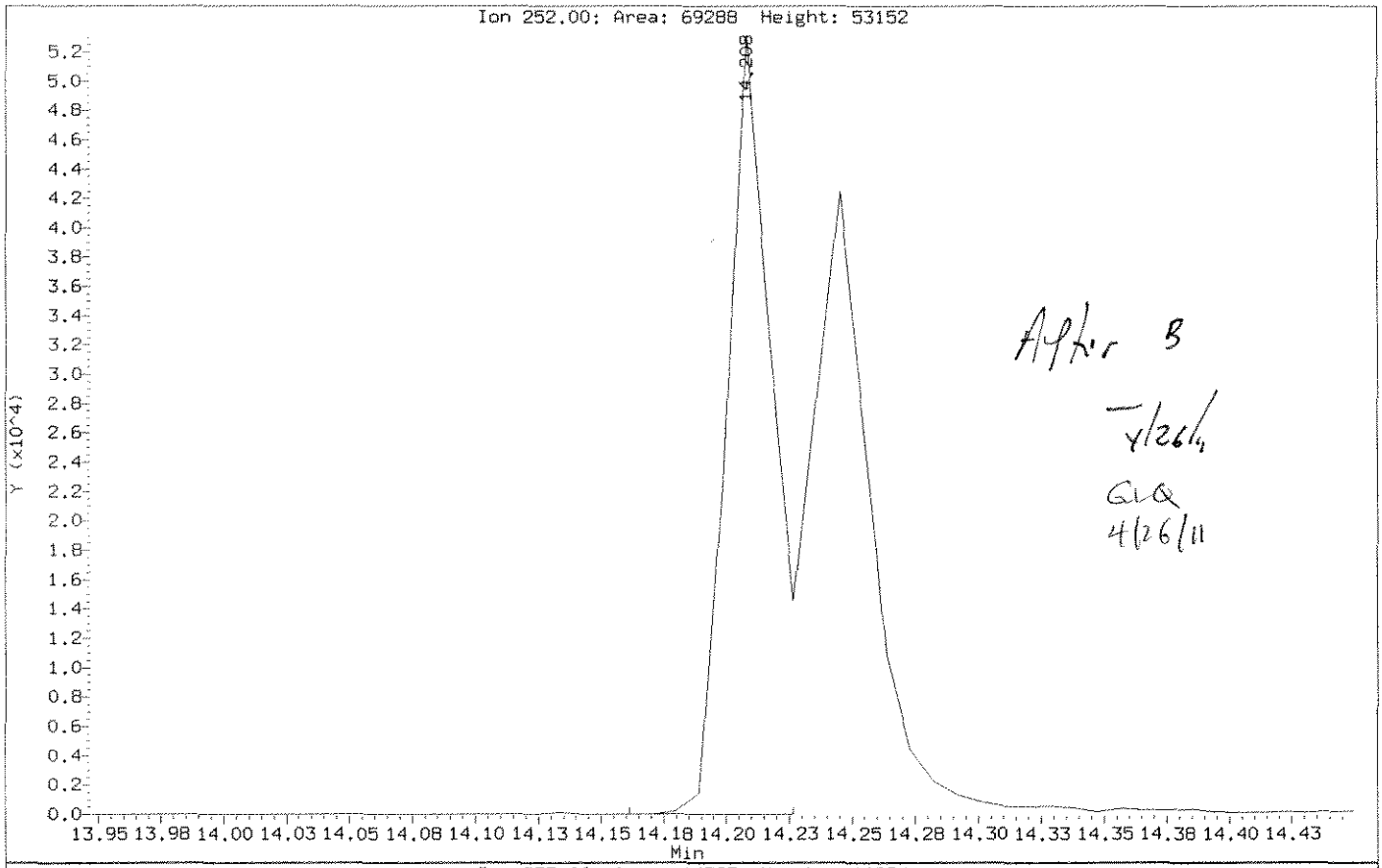
Data File: \\ELABNSHO5\TARGET\chem\bna4.i\042511B4.b\D19023L1.D
Injection Date: 25-APR-2011 20:14
Instrument: bna4.i
Client Sample ID: 1D19023-BS1

Compound: Benzo(b)fluoranthene
CAS Number: 205-99-2

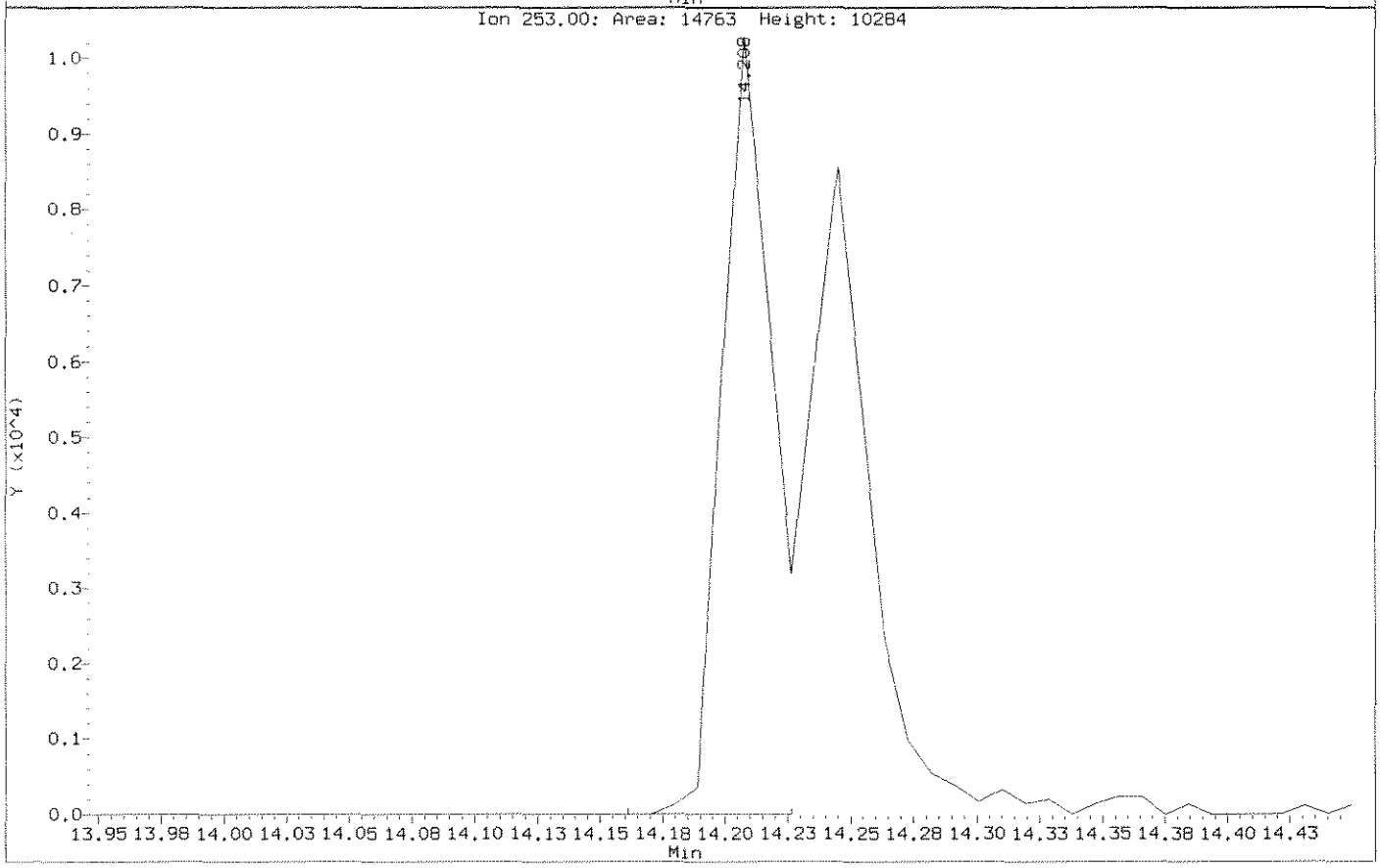


Data File: \\ELABNSHO5\TARGET\chem\bna4.i\042511B4.b\D19023L1.D
Injection Date: 25-APR-2011 20:14
Instrument: bna4.i
Client Sample ID: 1D19023-BS1

Compound: Benzo(b)fluoranthene
CAS Number: 205-99-2



After B
4/26/11
GLC
4/26/11



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Report Date: 26-Apr-2011 10:55

Laboratory Name

Data file : \\ELABNSH05\TARGET\chem\bna4.i\042511B4.b\D19023L2.D
Lab Smp Id: 1D19023-BSD1 Client Smp ID: 1D19023-BSD1
Inj Date : 25-APR-2011 20:39 MS Autotune Date: 13-JAN-2011 12:07
Operator : MEC Inst ID: bna4.i
Smp Info : 1D19023-BSD1;1;1000;1000;1;UG/L;20-APR-2011
Misc Info : ;3;LCSD;;;1D19023;pahlow.sub;
Comment :
Method : \\ELABNSH05\TARGET\chem\bna4.i\042511B4.b\IXBN4LOW.m
Meth Date : 26-Apr-2011 10:53 mcobb Quant Type: ISTD
Cal Date : 19-APR-2011 18:26 Cal File: SEQ-CAL9.D
Als bottle: 8 QC Sample: LCSD
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: pahlow.sub
Target Version: 4.04
Processing Host: TARGET09_VM

Concentration Formula: Amt * DF * Uf * Vt* Vi/(Amt * Vi)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vt	1000.000	Volume of final extract (uL)
Vi	1.000	Volume injected (uL)
Amt	1000.000	Volume of initial extraction

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng/ul)	CONCENTRATIONS FINAL (ug/L)
51	Naphthalene	128	5.757	5.757	(0.599)	143449	0.80547	0.8055
55	2-Methylnaphthalene	142	6.575	6.575	(0.684)	97471	0.83447	0.8345
56	1-Methylnaphthalene	142	6.687	6.687	(0.695)	86853	0.75757	0.7576
$ 74	2-Fluorobiphenyl	172	7.031	7.031	(0.731)	4687878	39.1096	39.11
77	Acenaphthylene	152	7.644	7.644	(0.795)	134166	0.79057	0.7906
80	Acenaphthene	153	7.858	7.858	(0.817)	98045	0.85376	0.8538
88	Fluorene	166	8.490	8.481	(0.883)	98167	0.86603	0.8660
* 102	Phenanthrene-d10	188	9.615	9.624	(1.000)	140511	1.00000	
111	Phenanthrene	178	9.652	9.643	(1.004)	143465	0.88875	0.8887
112	Anthracene	178	9.708	9.708	(1.010)	129311	0.79225	0.7922
116	Fluoranthene	202	11.102	11.102	(1.155)	133078	0.85275	0.8528
134	Pyrene	202	11.372	11.363	(1.183)	134747	0.85859	0.8586
* 154	Perylene-d12	264	14.719	14.719	(1.000)	64930	1.00000	
$ 135	Terphenyl-d14	244	11.604	11.595	(1.207)	3364527	34.2200	34.22

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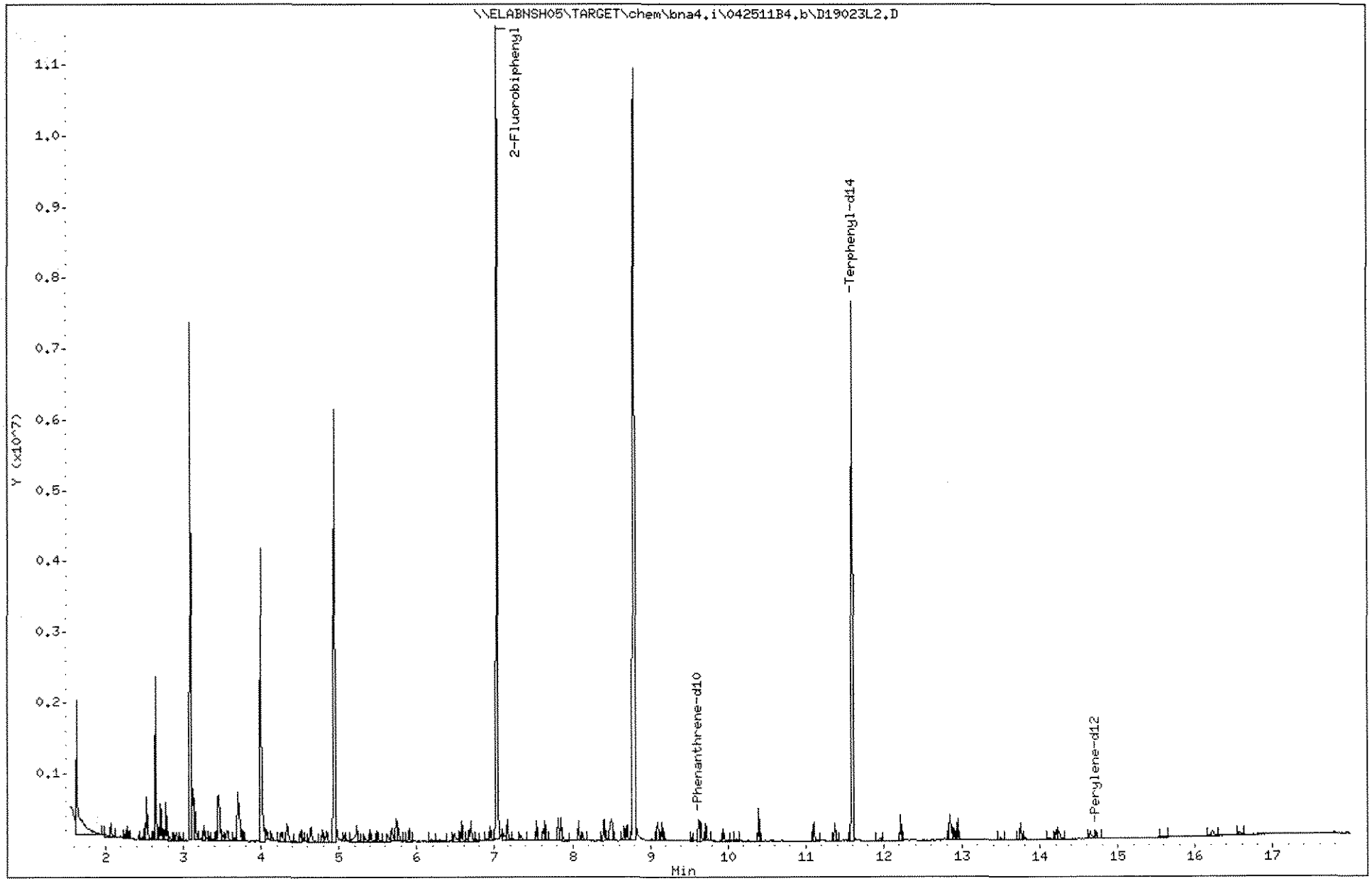
Data File: \\ELABNSH05\TARGET\chem\bna4.i\042511B4.b\D19023L2.D
Report Date: 26-Apr-2011 10:55

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng/ul)	FINAL (ug/L)
138 Benzo(a)anthracene	228	12.841	12.841	(1.335)	83716	0.76436	0.7644
139 Chrysene	228	12.887	12.878	(1.340)	87045	0.82484	0.8248
156 Benzo(b)fluoranthene	252	14.207	14.198	(0.965)	74719	0.83593	0.8359(M)
157 Benzo(k)fluoranthene	252	14.244	14.235	(0.968)	75064	0.87116	0.8712
158 Benzo(a)pyrene	252	14.644	14.644	(0.995)	54631	0.79346	0.7934
159 Indeno(1,2,3-cd)pyrene	276	16.215	16.197	(1.102)	45307	0.71979	0.7198
160 Dibenz(a,h)anthracene	278	16.225	16.215	(1.102)	29792	0.58185	0.5818
161 Benzo(g,h,i)perylene	276	16.569	16.550	(1.126)	38945	0.71336	0.7134

QC Flag Legend

M - Compound response manually integrated.

Data File: \\ELABNSH05\TARGET\chem\bna4.i\042511B4.b\D19023L2.D
Date : 25-APR-2011 20:39
Client ID: 1D19023-BSD1
Instrument: bna4.i
Sample Info: 1D19023-BSD1;1;1000;1000;1;UG/L;20-APR-2011
Volume Injected (uL): 1.0
Operator: MEC
Column phase: fused silica
Column diameter: 0.25



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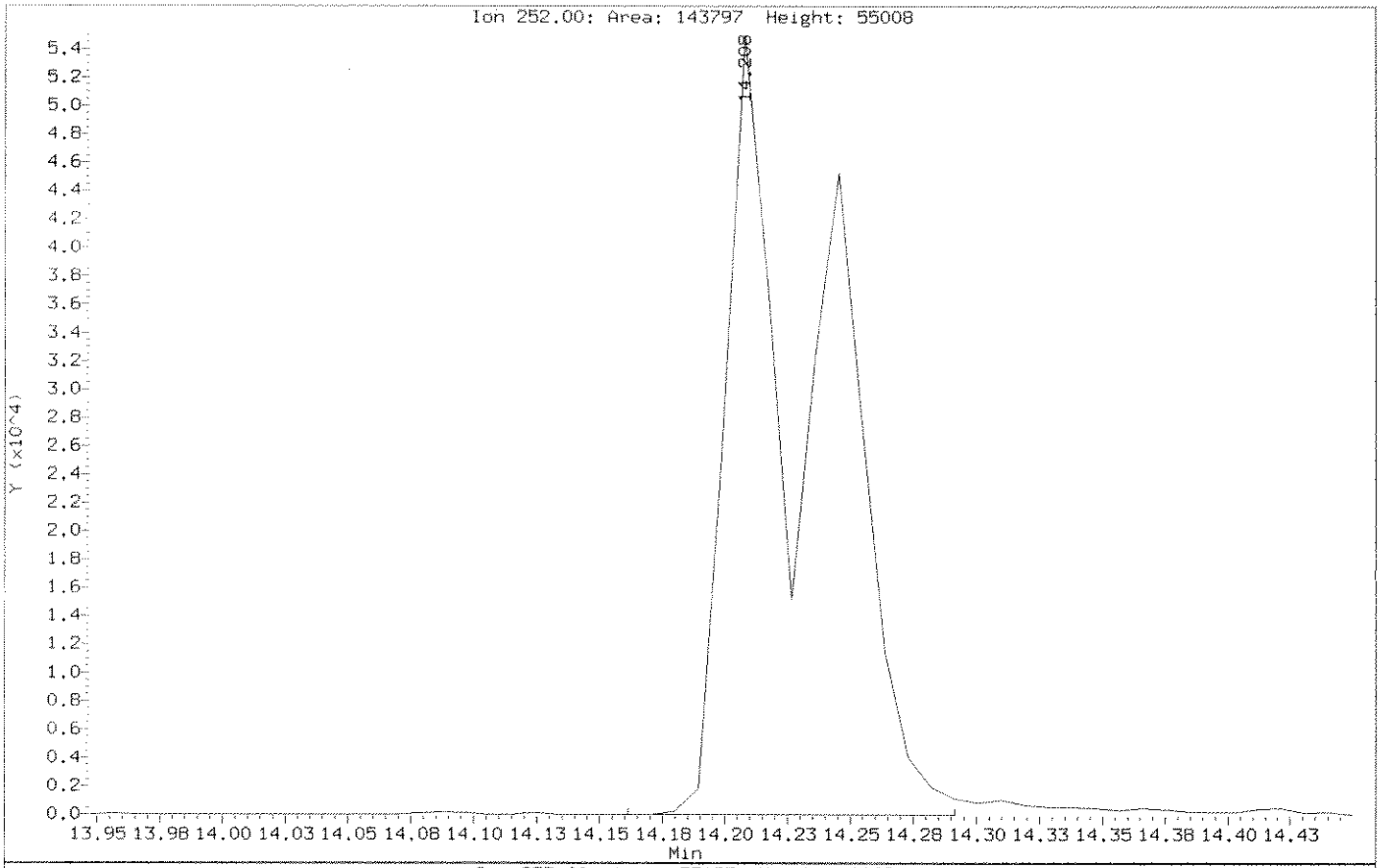
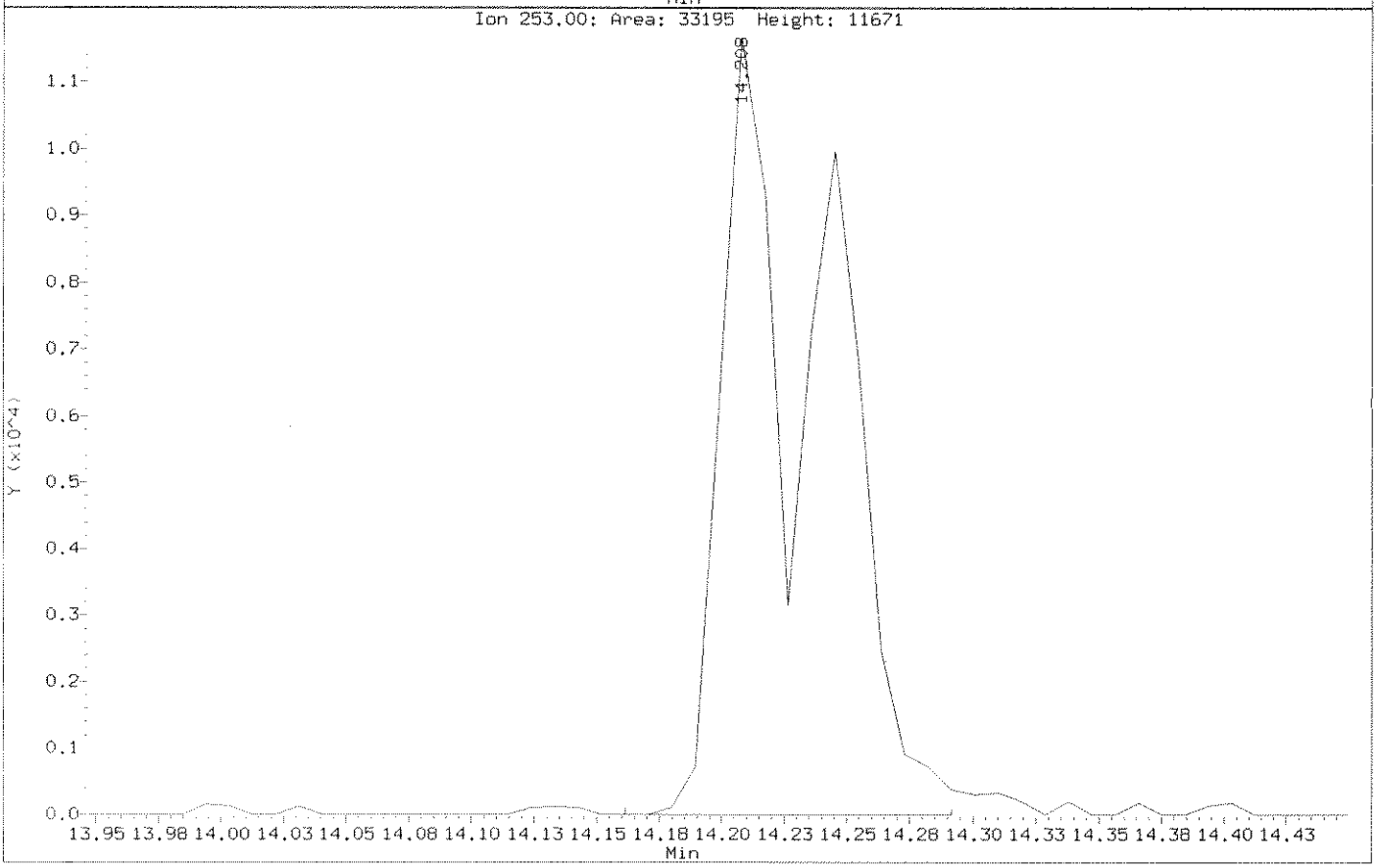
Injection Date: 25-APR-2011 20:39
Instrument: bna4.i
Client Sample ID: 1D19023-BSD1

Compound: Benzo(b)fluoranthene
CAS Number: 205-99-2





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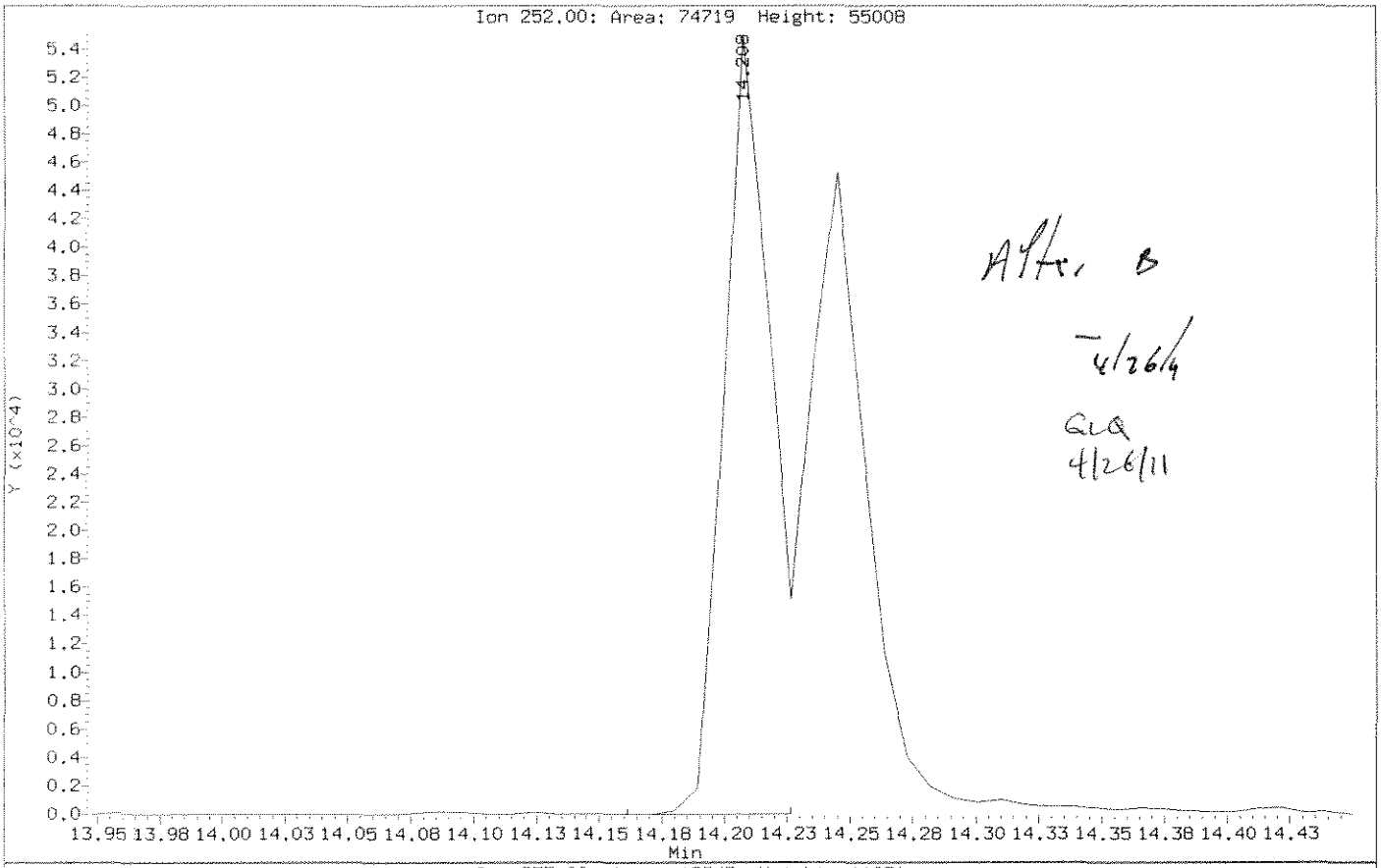
Injection Date: 25-APR-2011 20:39
Instrument: bna4.i
Client Sample ID: 1D19023-BSD1

Compound: Benzo(b)fluoranthene
CAS Number: 205-99-2



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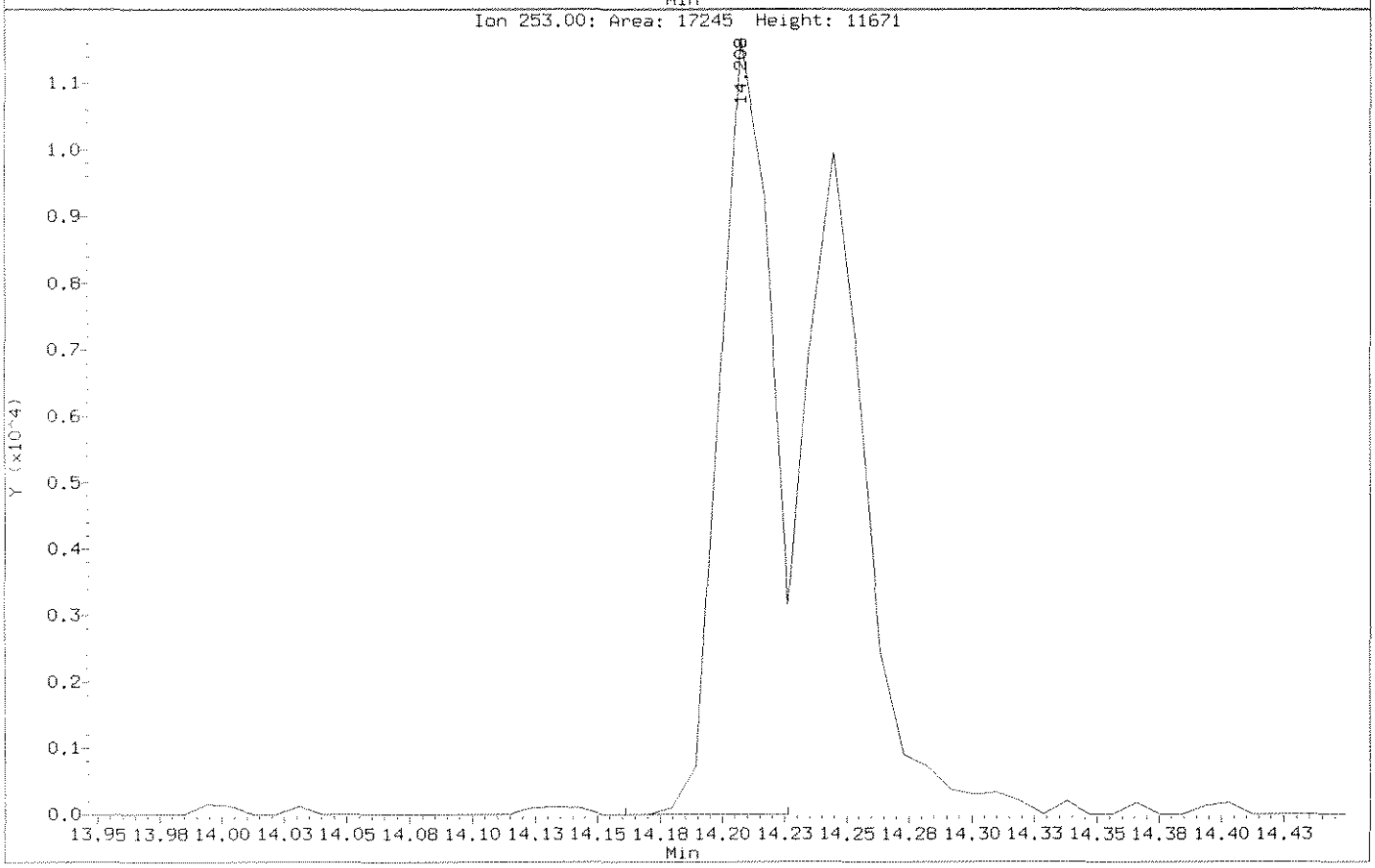
4/26/11



Data File: \\ELABNSH05\TARGET\chem\bna4.i\042511B4.b\D19023B1.D
Report Date: 26-Apr-2011 10:55

Laboratory Name

Data file : \\ELABNSH05\TARGET\chem\bna4.i\042511B4.b\D19023B1.D
Lab Smp Id: 1D19023-BLK1 Client Smp ID: 1D19023-BLK1
Inj Date : 25-APR-2011 21:04 MS Autotune Date: 13-JAN-2011 12:07
Operator : MEC Inst ID: bna4.i
Smp Info : 1D19023-BLK1;1;1000;1000;1;UG/L;20-APR-2011
Misc Info : ;3;BLANK;;;1D19023;pahlow.sub;
Comment :
Method : \\ELABNSH05\TARGET\chem\bna4.i\042511B4.b\IXBN4LOW.m
Meth Date : 26-Apr-2011 10:53 mcobb Quant Type: ISTD
Cal Date : 19-APR-2011 18:26 Cal File: SEQ-CAL9.D
Als bottle: 9 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: pahlow.sub
Target Version: 4.04
Processing Host: TARGET09_VM

Concentration Formula: Amt * DF * Uf * Vt* Vi/(Amt * Vi)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vt	1000.000	Volume of final extract (uL)
Vi	1.000	Volume injected (uL)
Amt	1000.000	Volume of initial extraction

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng/ul)	CONCENTRATIONS FINAL (ug/L)
$ 74 2-Fluorobiphenyl	172	7.030	7.031	(0.731)	3940127	35.9229	35.92
* 102 Phenanthrene-d10	188	9.624	9.624	(1.000)	128575	1.00000	
* 154 Perylene-d12	264	14.719	14.719	(1.000)	61891	1.00000	
$ 135 Terphenyl-d14	244	11.604	11.595	(1.206)	3469778	38.5667	38.57

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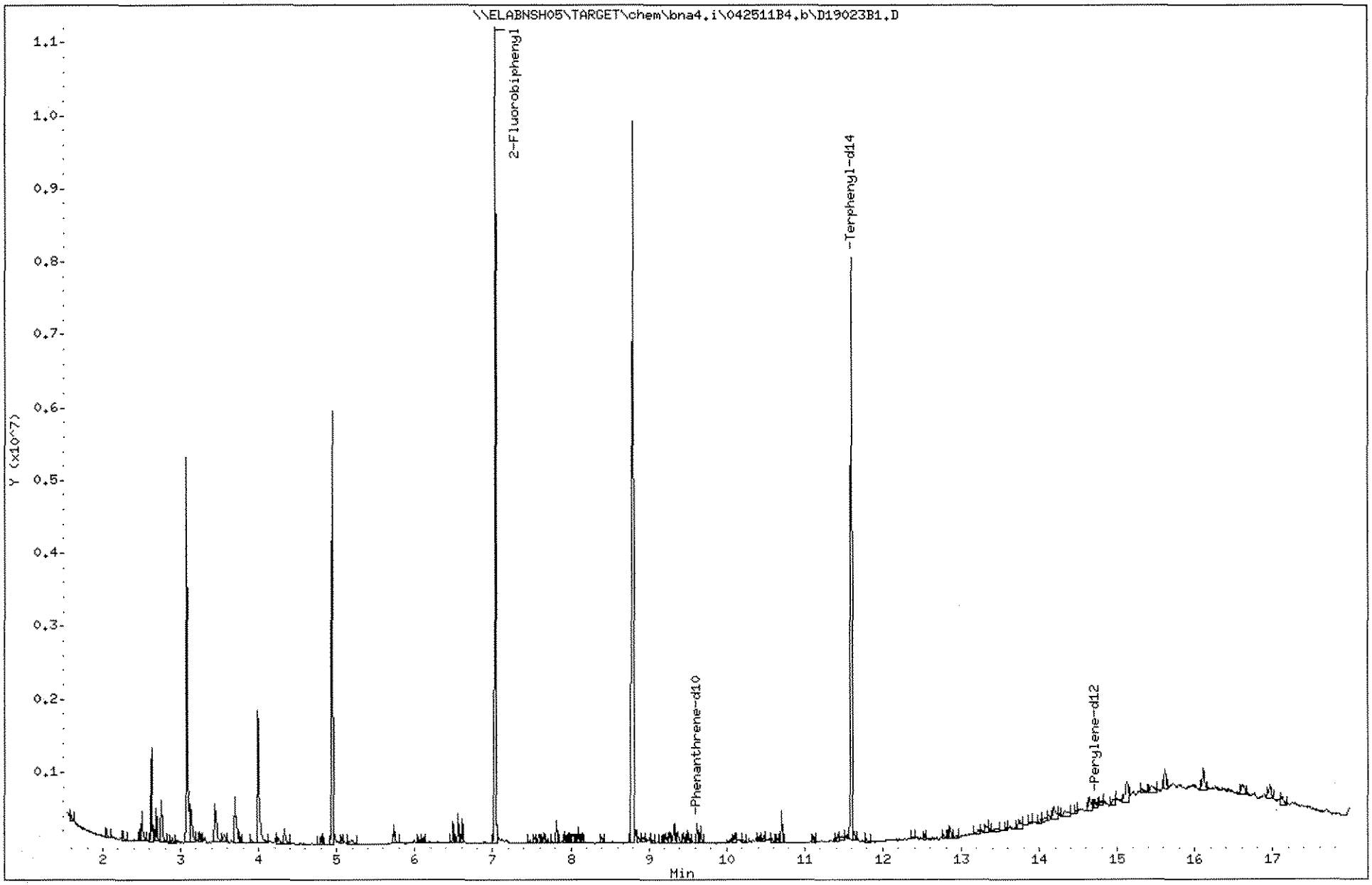
Data File: \\ELABNSH05\TARGET\chem\bna4.i\042511B4.b\D19023B1.D
Date : 25-APR-2011 21:04
Client ID: 1D19023-BLK1
Instrument: bna4.i
Sample Info: 1D19023-BLK1;1;1000;1000;1;UG/L;20-APR-2011
Volume Injected (uL): 1.0
Operator: MEC
Column phase: fused silica
Column diameter: 0.25



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CTOJM29_002

Data File: \\ELABNSH05\TARGET\chem\bna4.i\042511B4.b\0420703.D
Report Date: 26-Apr-2011 10:56

Laboratory Name

Data file : \\ELABNSH05\TARGET\chem\bna4.i\042511B4.b\0420703.D
Lab Smp Id: 1104207-03 Client Smp ID: OLF54 MW14D
Inj Date : 25-APR-2011 23:34 MS Autotune Date: 13-JAN-2011 12:07
Operator : MEC Inst ID: bna4.i
Smp Info : 1104207-03;1;1000;1000;1;UG/L;20-APR-2011
Misc Info : ;0;;;;1D19023;pahlow.sub;
Comment :
Method : \\ELABNSH05\TARGET\chem\bna4.i\042511B4.b\IXBN4LOW.m
Meth Date : 26-Apr-2011 10:53 mcobb Quant Type: ISTD
Cal Date : 19-APR-2011 18:26 Cal File: SEQ-CAL9.D
Als bottle: 15
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: pahlow.sub
Target Version: 4.04
Processing Host: TARGET09_VM

Concentration Formula: Amt * DF * Uf * Vt* Vi/(Amt * Vi)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vt	1000.000	Volume of final extract (uL)
Vi	1.000	Volume injected (uL)
Amt	1000.000	Volume of initial extraction

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng/ul)	CONCENTRATIONS FINAL (UG/L)
	51 Naphthalene	128	5.766	5.757	(0.599)	7680	0.04295	0.04295(aM)
	55 2-Methylnaphthalene	142	6.584	6.575	(0.684)	9365	0.07985	0.07985
	56 1-Methylnaphthalene	142	6.696	6.687	(0.696)	4614	0.04008	0.04008(a)
$	74 2-Fluorobiphenyl	172	7.040	7.031	(0.731)	4898306	40.7015	40.70
*	102 Phenanthrene-d10	188	9.624	9.624	(1.000)	141076	1.00000	
*	154 Perylene-d12	264	14.719	14.719	(1.000)	77643	1.00000	
$	135 Terphenyl-d14	244	11.604	11.595	(1.206)	4637599	46.9793	46.98

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
M - Compound response manually integrated.

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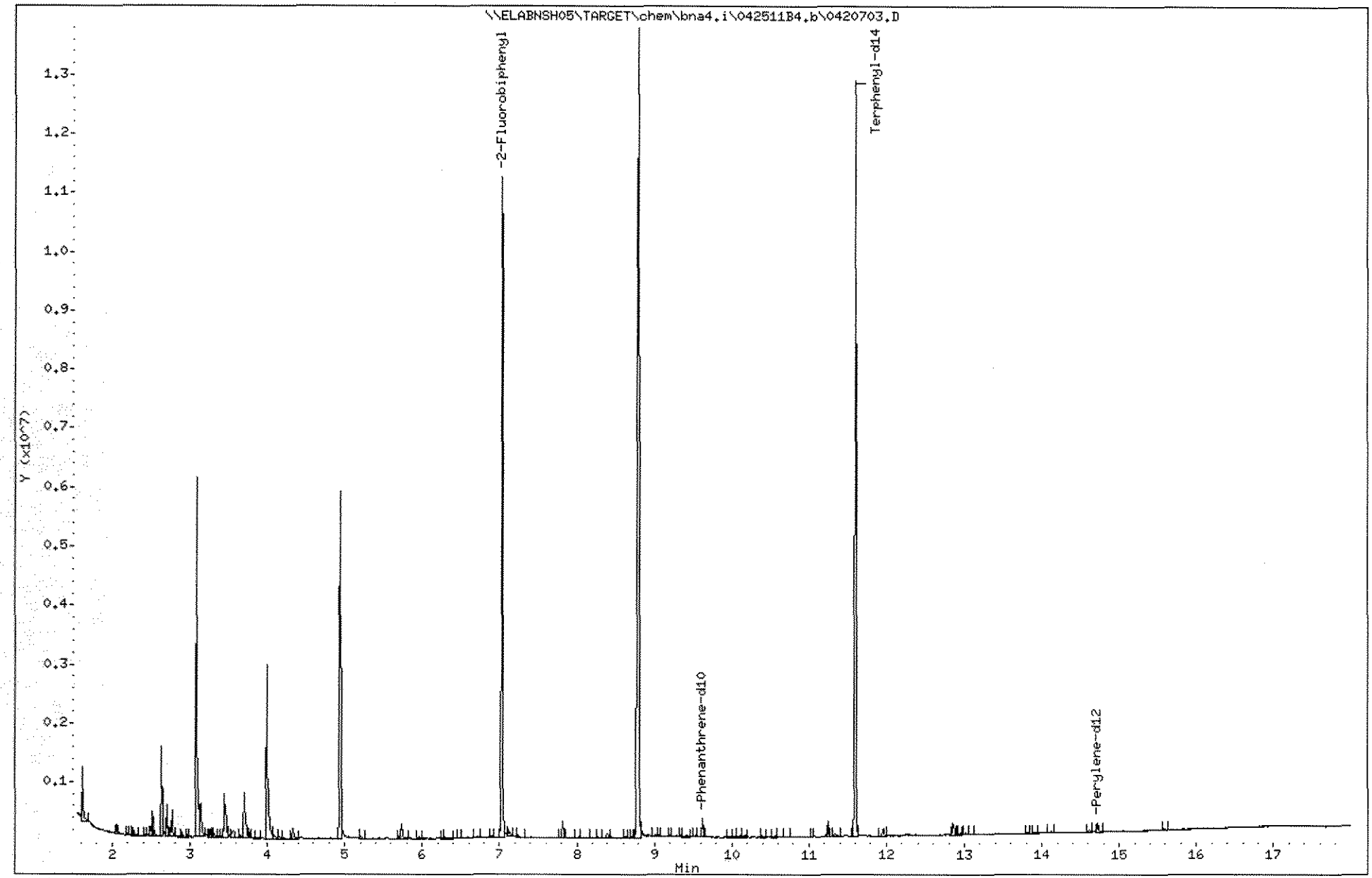
4/26/11

Data File: \\ELABNSH05\TARGET\chem\bna4.i\042511B4.b\0420703.D
Date : 25-APR-2011 23:34
Client ID: OLF54 MW14D
Instrument: bna4.i
Sample Info: 1104207-03;1;1000;1000;1;UG/L;20-APR-2011
Volume Injected (uL): 1.0
Operator: MEC
Column phase: fused silica
Column diameter: 0.25



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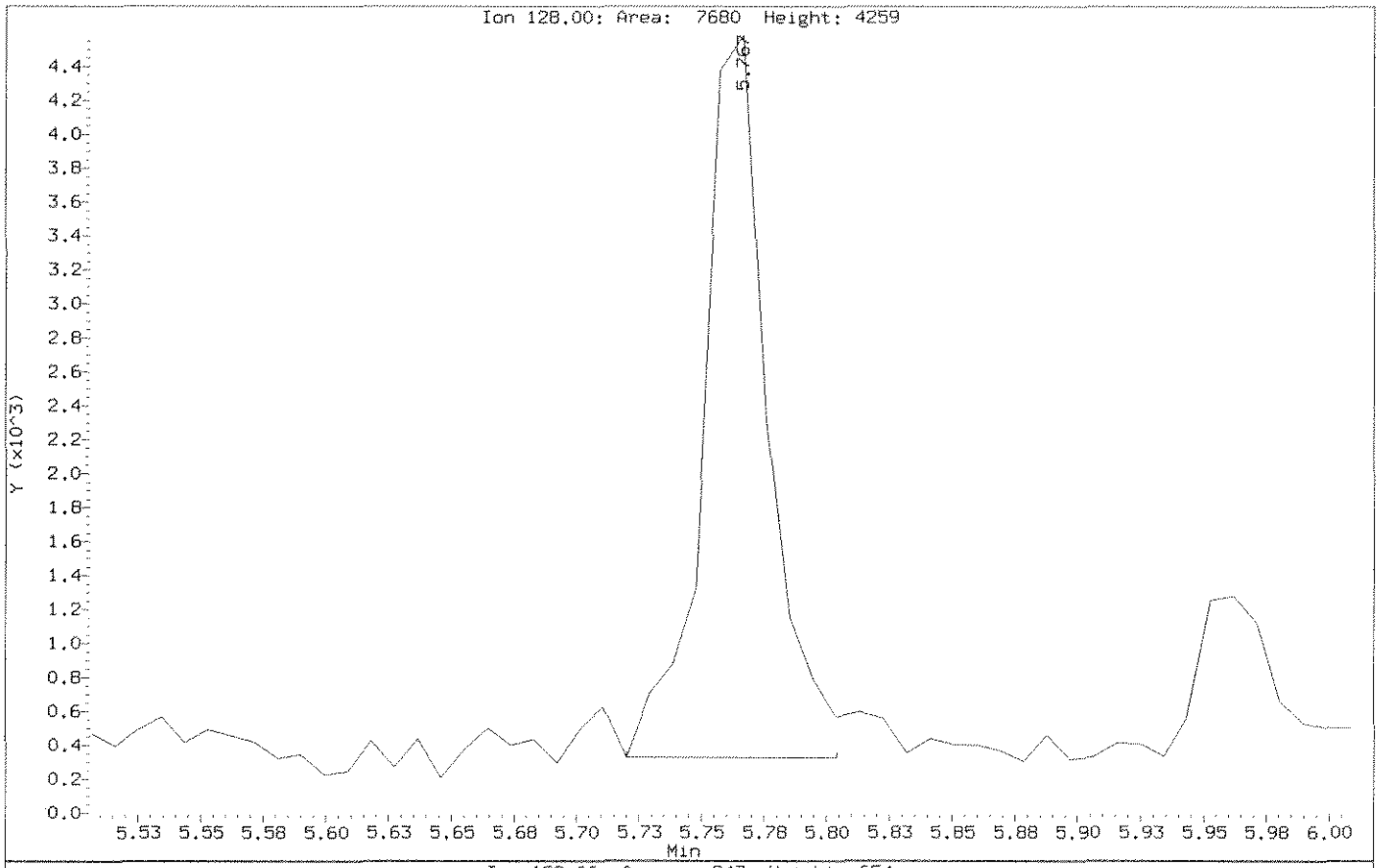
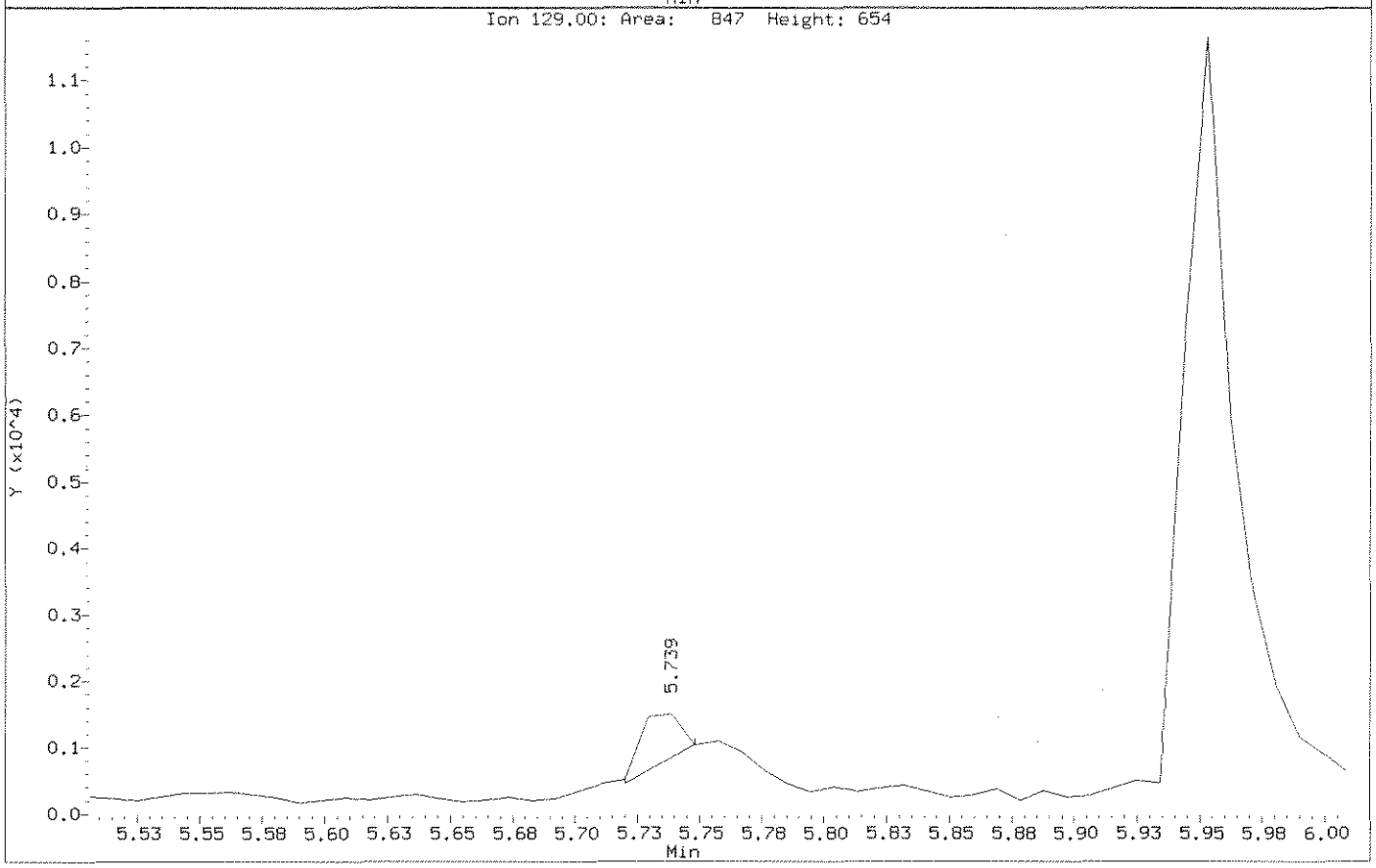
Injection Date: 25-APR-2011 23:34
Instrument: bna4.i
Client Sample ID: OLF54 MW14D

Compound: Naphthalene
CAS Number: 91-20-3





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Date : 25-APR-2011 23:34

Client ID: OLF54 MW14D

Instrument: bna4.i

Sample Info: 1104207-03;1;1000;1000;1;UG/L;20-APR-2011

Volume Injected (uL): 1.0

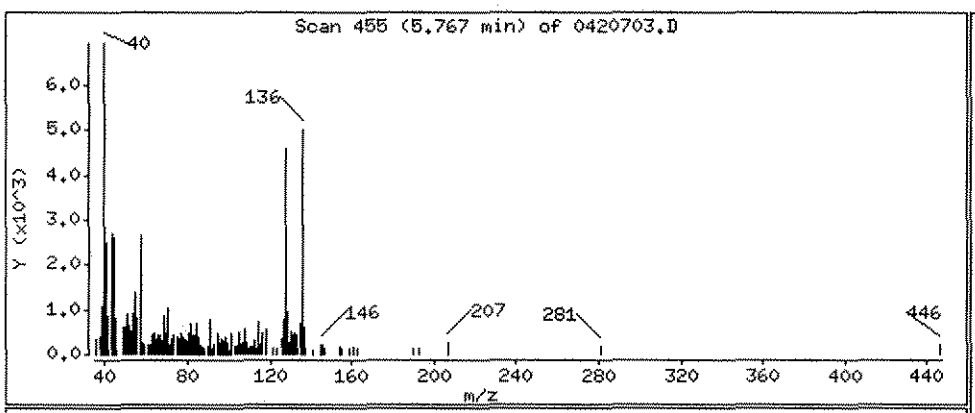
Operator: MEC

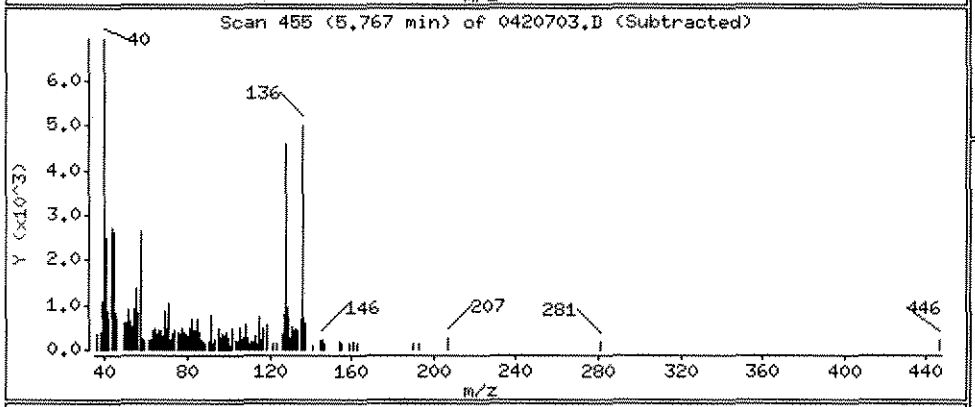
Column phase: fused silica

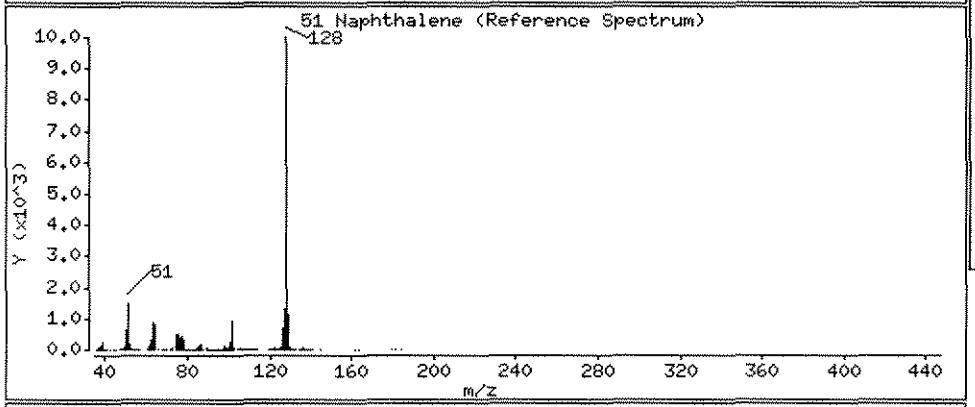
Column diameter: 0.25

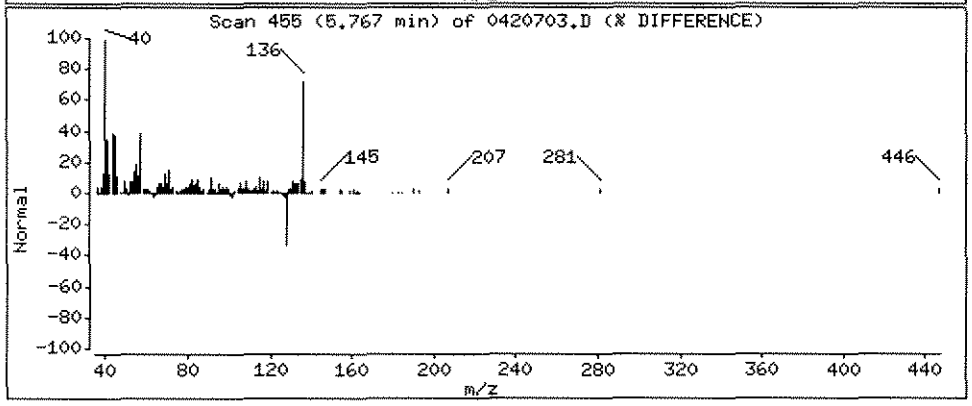
51 Naphthalene

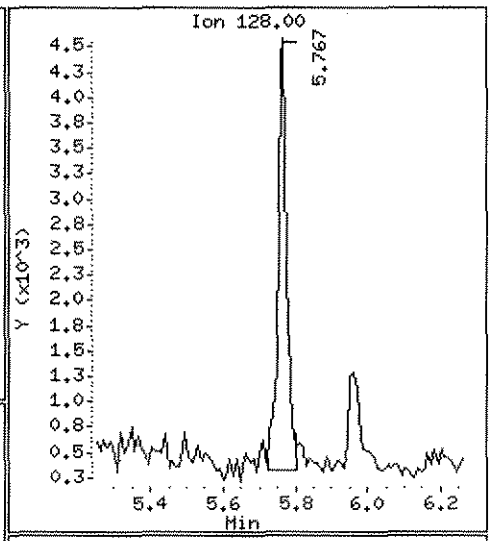
Concentration: 0.04295 UG/L

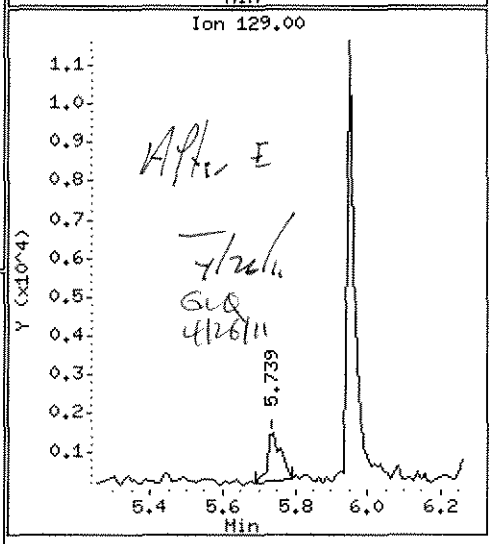












Data File: \\ELABNSH05\TARGET\chem\bna4.i\042511B4.b\0420703.D

Date : 25-APR-2011 23:34

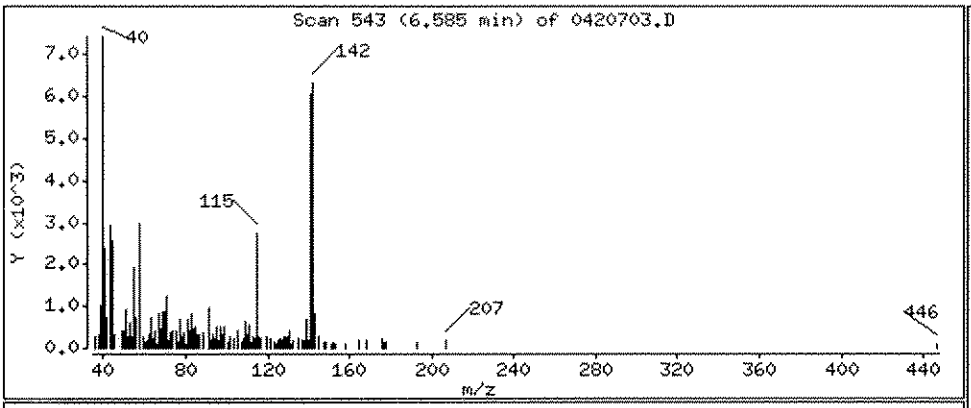
Client ID: OLF54 MW14D | Instrument: bna4.i

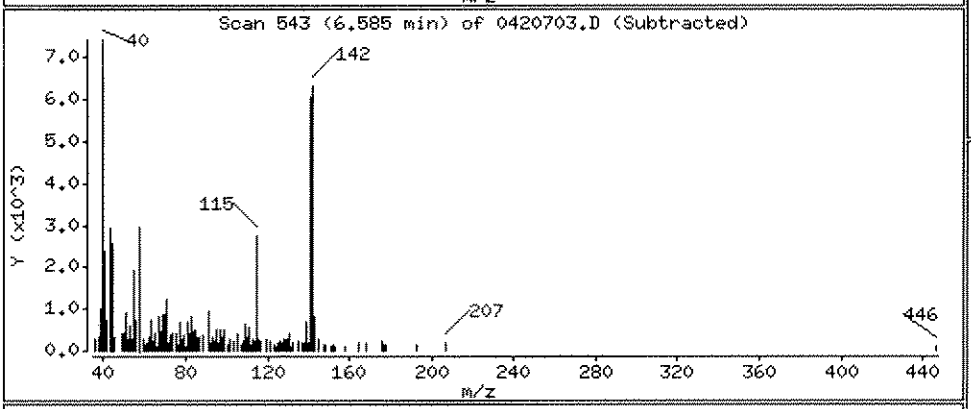
Sample Info: 1104207-03;1;1000;1000;1;UG/L;20-APR-2011

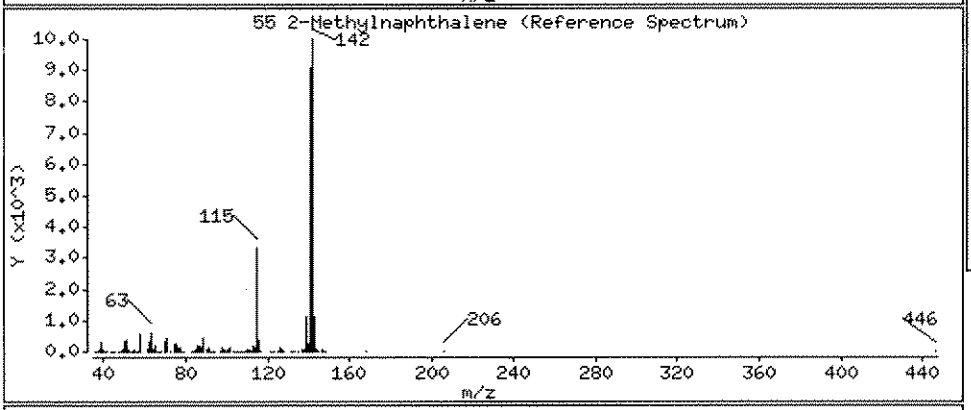
Volume Injected (uL): 1.0 | Operator: MEC

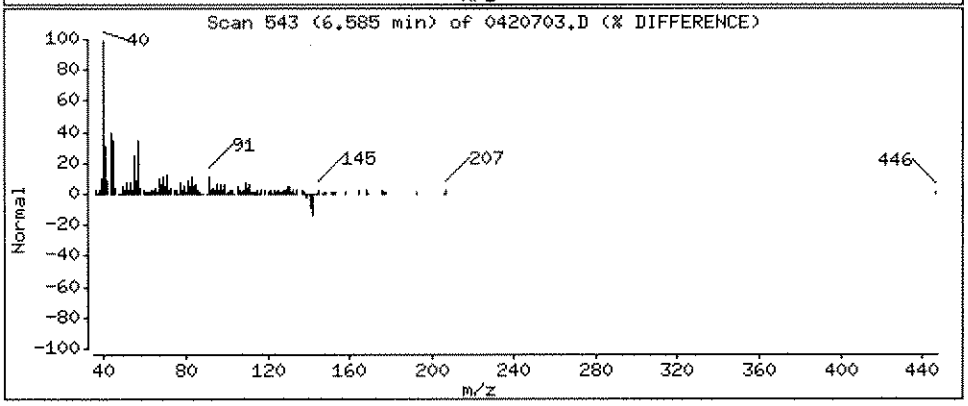
Column phase: fused silica | Column diameter: 0.25

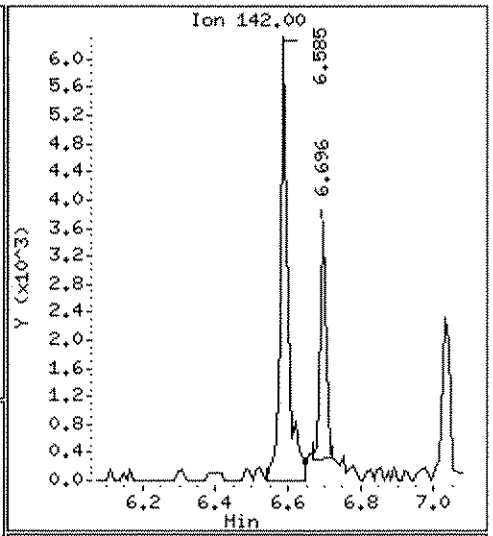
55 2-Methylnaphthalene | Concentration: 0.07985 UG/L

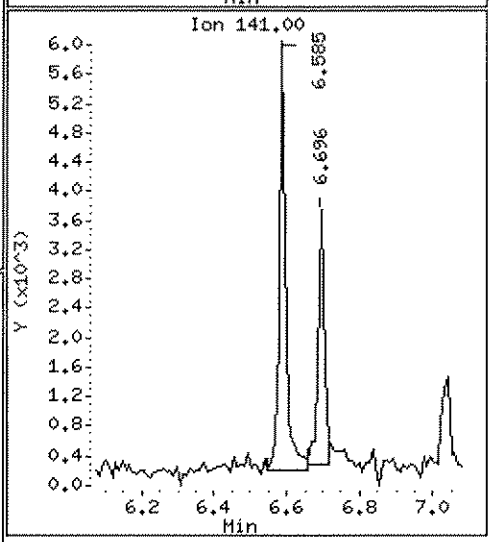












Data File: \\ELABNSH05\TARGET\chem\bna4.i\042511B4.b\0420703.D

Date : 25-APR-2011 23:34

Client ID: OLF54 MW14D

Instrument: bna4.i

Sample Info: 1104207-03;1;1000;1000;1;UG/L;20-APR-2011

Volume Injected (uL): 1.0

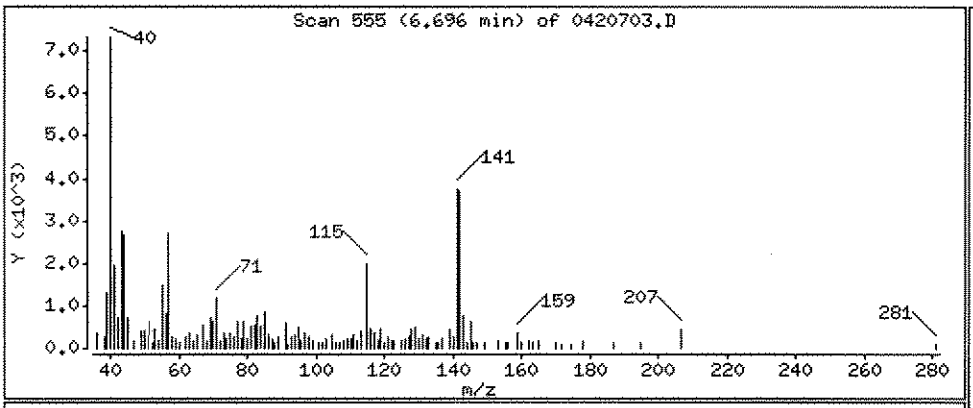
Operator: MEC

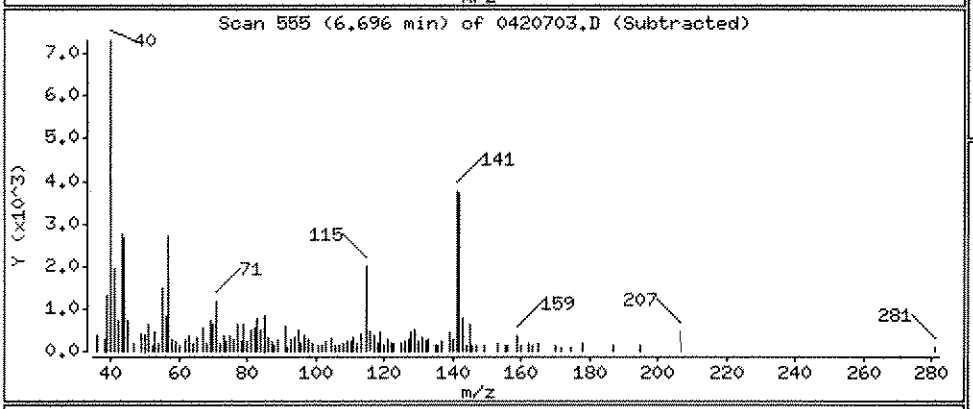
Column phase: fused silica

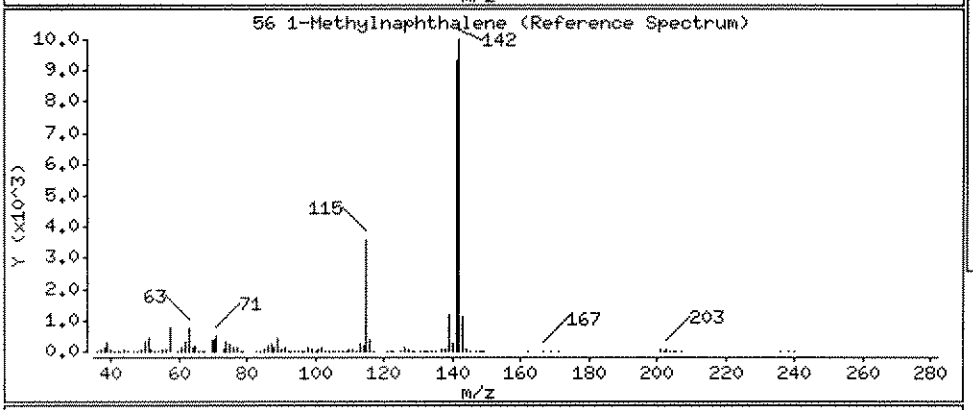
Column diameter: 0.25

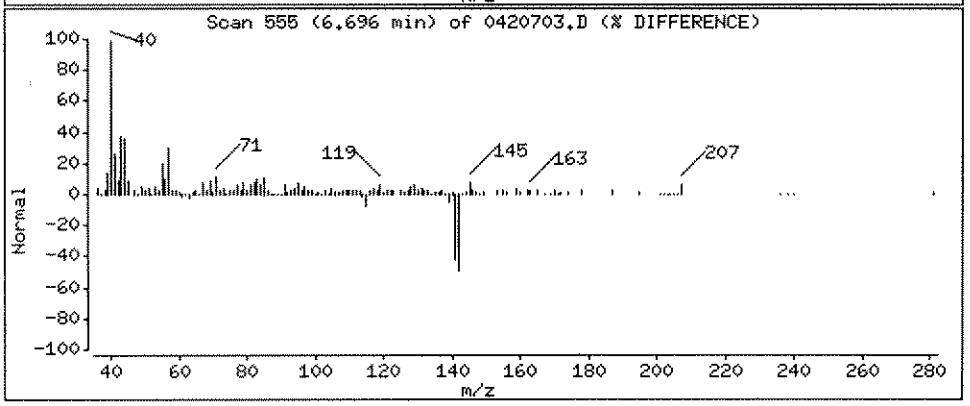
56 1-Methylnaphthalene

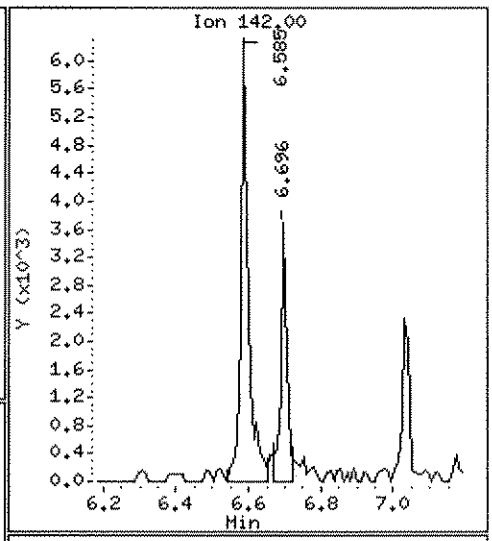
Concentration: 0.04008 UG/L

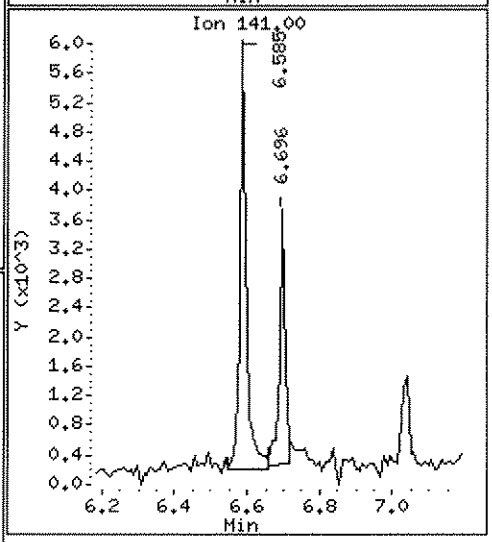












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Report Date: 26-Apr-2011 10:56

Laboratory Name

Data file : \\ELABNSH05\TARGET\chem\bna4.i\042511B4.b\0420704.D
Lab Smp Id: 1104207-04 Client Smp ID: FD04151101
Inj Date : 25-APR-2011 23:59 MS Autotune Date: 13-JAN-2011 12:07
Operator : MEC Inst ID: bna4.i
Smp Info : 1104207-04;1;1000;1000;1;UG/L;20-APR-2011
Misc Info : ;0;;;;1D19023;pahlow.sub;
Comment :
Method : \\ELABNSH05\TARGET\chem\bna4.i\042511B4.b\IXBN4LOW.m
Meth Date : 26-Apr-2011 10:53 mcobb Quant Type: ISTD
Cal Date : 19-APR-2011 18:26 Cal File: SEQ-CAL9.D
Als bottle: 16
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: pahlow.sub
Target Version: 4.04
Processing Host: TARGET09_VM

Concentration Formula: Amt * DF * Uf * Vt* Vi/(Amt * Vi)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vt	1000.000	Volume of final extract (uL)
Vi	1.000	Volume injected (uL)
Amt	1000.000	Volume of initial extraction

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng/ul)	CONCENTRATIONS FINAL (UG/L)
55	2-Methylnaphthalene	142	6.584	6.575	(0.684)	8829	0.08146	0.08146
56	1-Methylnaphthalene	142	6.696	6.687	(0.696)	3487	0.03278	0.03278(a)
$ 74	2-Fluorobiphenyl	172	7.030	7.031	(0.731)	4866072	43.7531	43.75
* 102	Phenanthrene-d10	188	9.624	9.624	(1.000)	130373	1.00000	
* 154	Perylene-d12	264	14.719	14.719	(1.000)	63204	1.00000	
$ 135	Terphenyl-d14	244	11.604	11.595	(1.206)	4331264	47.4781	47.48

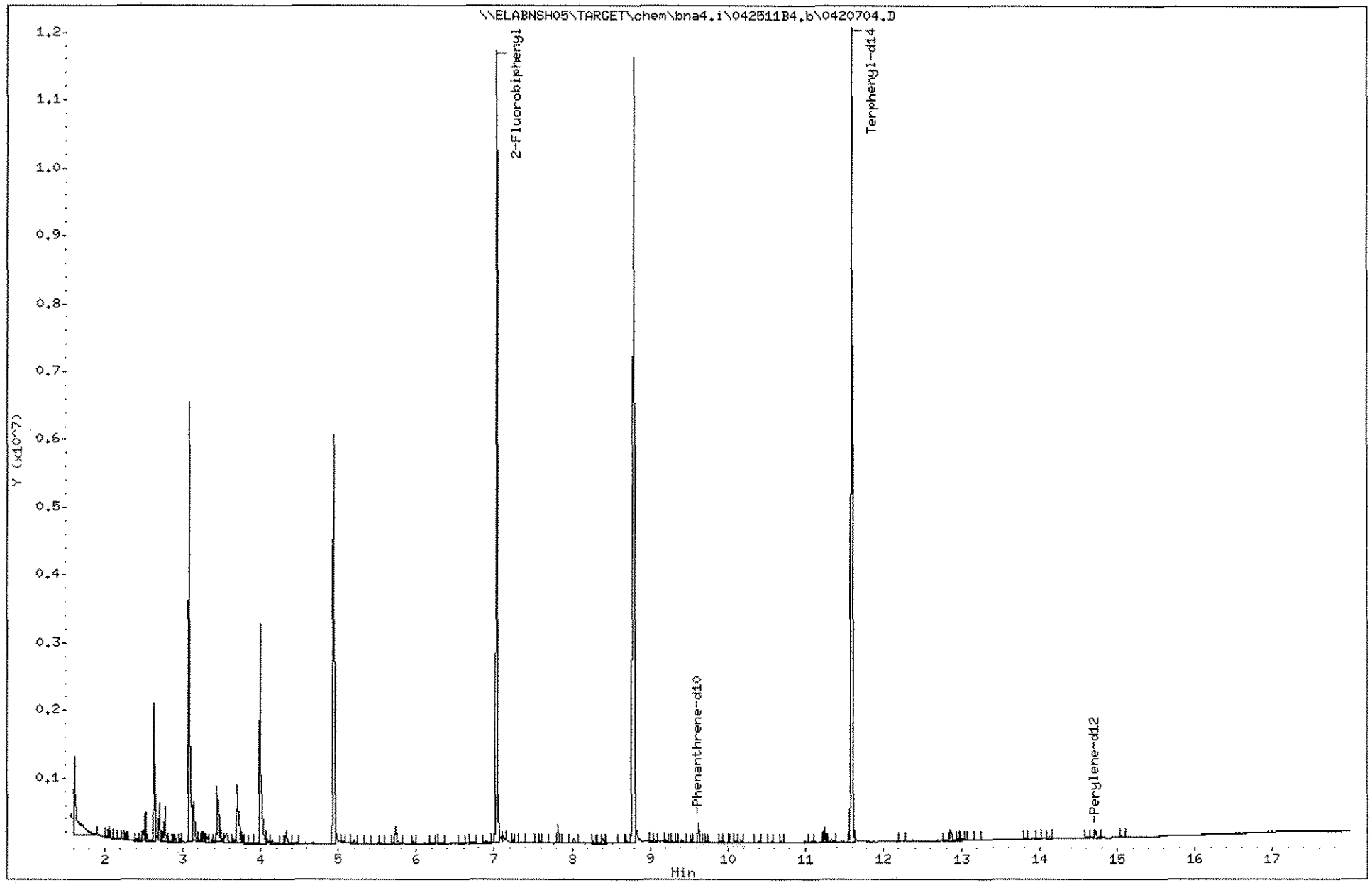
QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

4/26/11

4/26/11

Data File: \\ELABNSH05\TARGET\chem\bna4.i\042511B4.b\0420704.D
Date : 25-APR-2011 23:59
Client ID: FD04151101
Instrument: bna4.i
Sample Info: 1104207-04;1;1000;1000;1;UG/L;20-APR-2011
Volume Injected (uL): 1.0
Operator: MEC
Column phase: fused silica
Column diameter: 0.25



400

CTOJM29_002

Data File: \\ELABNSHOS\TARGET\chem\bna4.i\042511B4.b\0420704.D

Date : 25-APR-2011 23:59

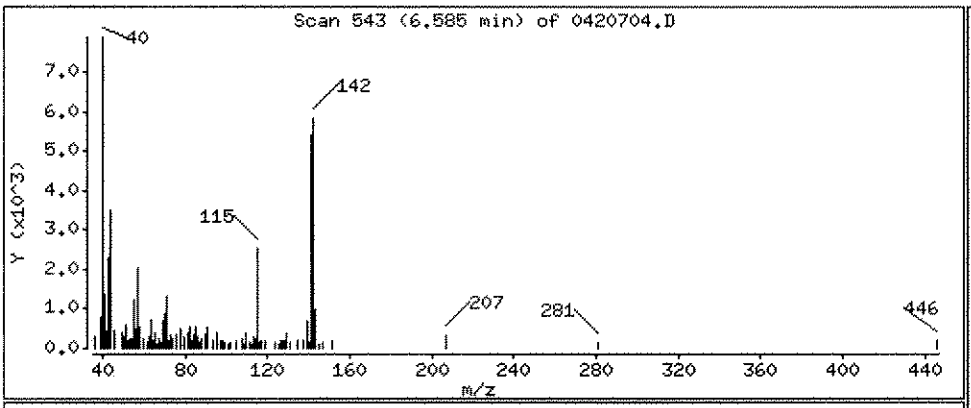
Client ID: FD04151101 Instrument: bna4.i

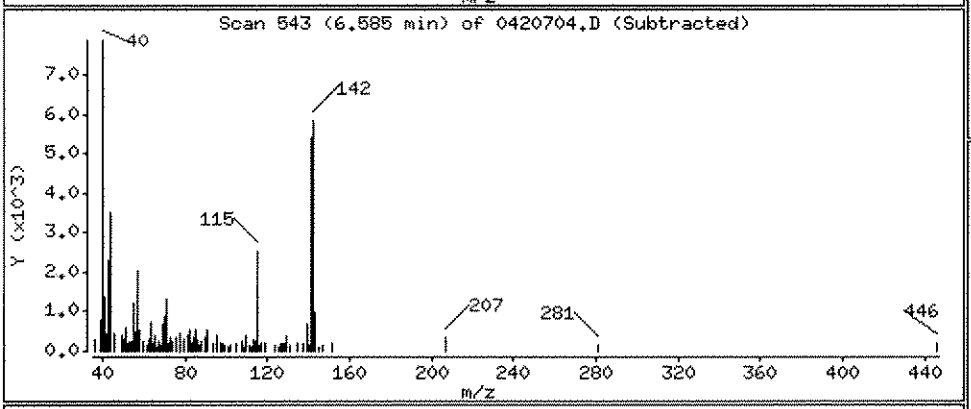
Sample Info: 1104207-04;1;1000;1000;1;UG/L;20-APR-2011

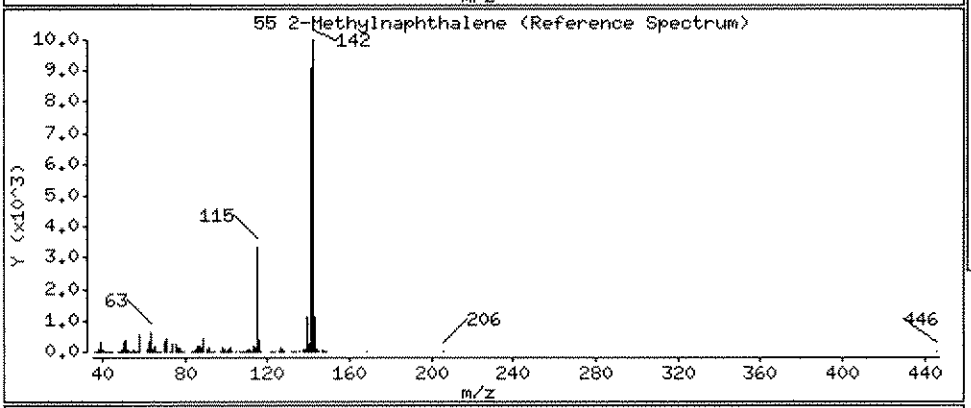
Volume Injected (uL): 1.0 Operator: MEC

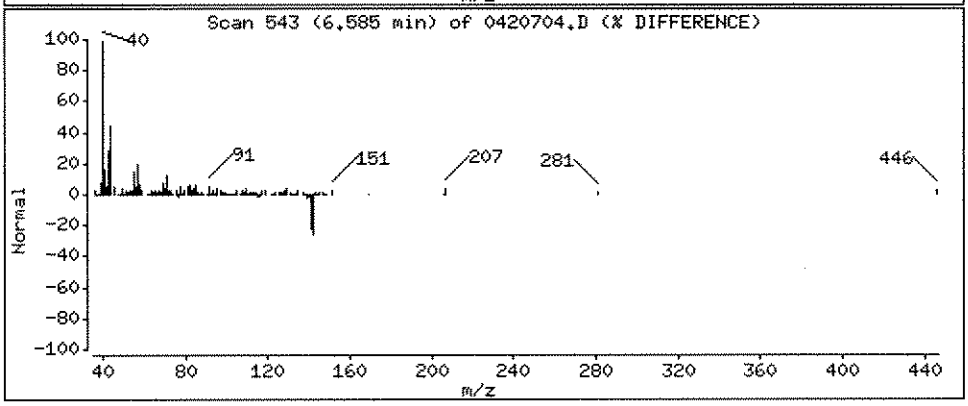
Column phase: fused silica Column diameter: 0.25

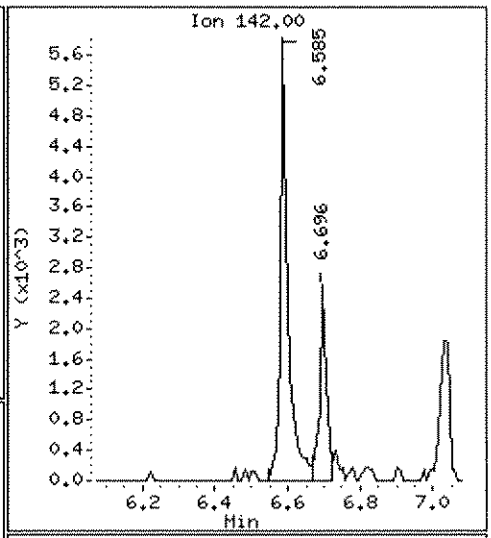
55 2-Methylnaphthalene Concentration: 0.08146 UG/L

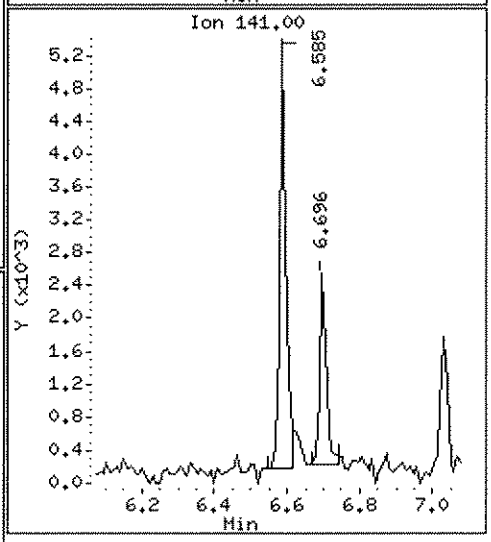












Data File: \\ELABNSH05\TARGET\chem\bna4.i\042511B4.b\0420704.D

Date : 25-APR-2011 23:59

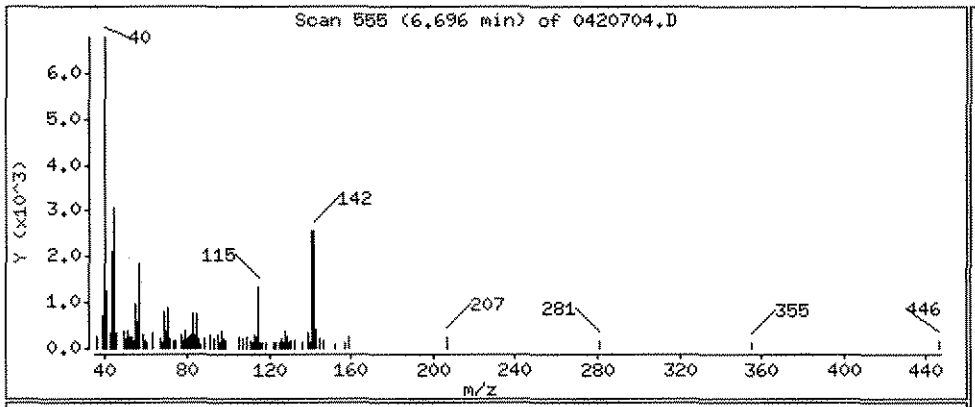
Client ID: FD04151101 Instrument: bna4.i

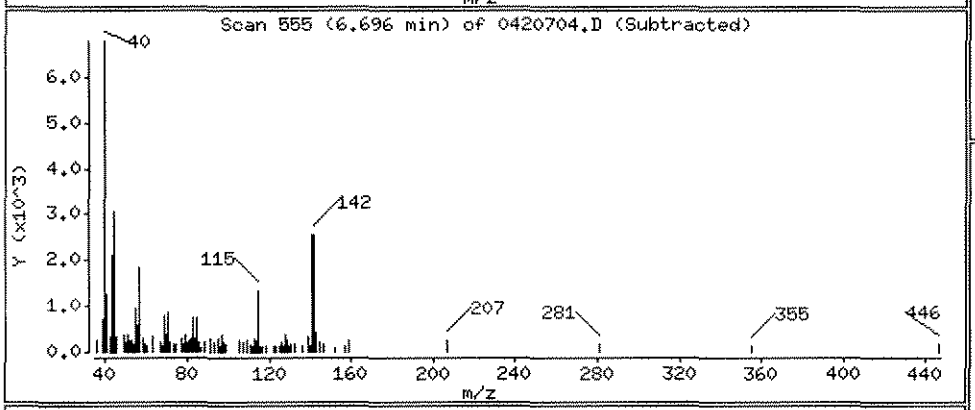
Sample Info: 1104207-04;1;1000;1000;1;UG/L;20-APR-2011

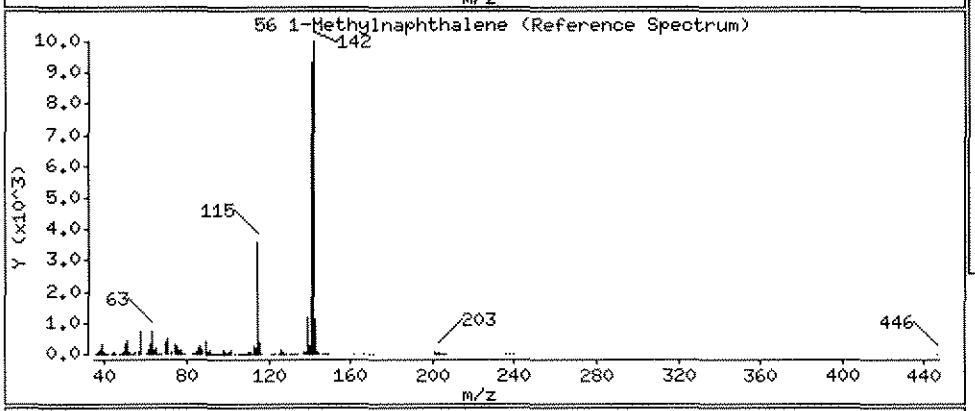
Volume Injected (uL): 1.0 Operator: MEC

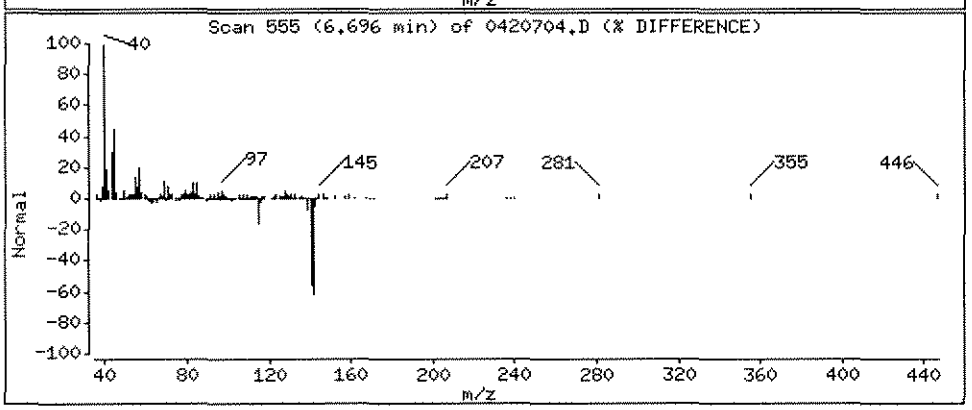
Column phase: fused silica Column diameter: 0.25

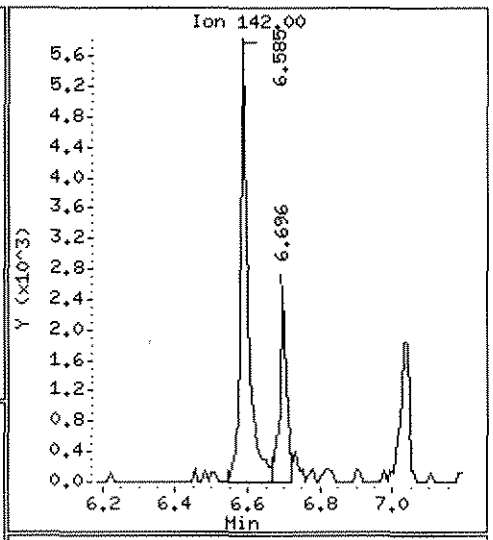
56 1-Methylnaphthalene Concentration: 0.03278 UG/L

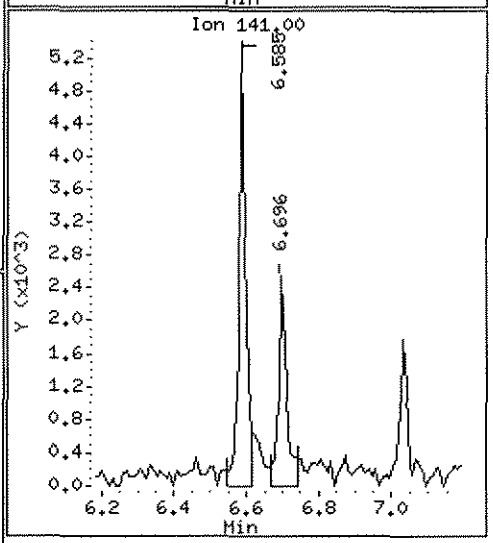












Data File: \\ELABNSH05\TARGET\chem\bna4.i\042511B4.b\0420705.D
Report Date: 26-Apr-2011 10:56

Laboratory Name

Data file : \\ELABNSH05\TARGET\chem\bna4.i\042511B4.b\0420705.D
Lab Smp Id: 1104207-05 Client Smp ID: OLF54 MW31S
Inj Date : 26-APR-2011 00:24 MS Autotune Date: 13-JAN-2011 12:07
Operator : MEC Inst ID: bna4.i
Smp Info : 1104207-05;1;1000;1000;1;UG/L;20-APR-2011
Misc Info : ;0;;;;1D19023;pahlow.sub;
Comment :
Method : \\ELABNSH05\TARGET\chem\bna4.i\042511B4.b\IXBN4LOW.m
Meth Date : 26-Apr-2011 10:53 mcobb Quant Type: ISTD
Cal Date : 19-APR-2011 18:26 Cal File: SEQ-CAL9.D
Als bottle: 17
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: pahlow.sub
Target Version: 4.04
Processing Host: TARGET09_VM

Concentration Formula: Amt * DF * Uf * Vt* Vi/(Amt * Vi)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vt	1000.000	Volume of final extract (uL)
Vi	1.000	Volume injected (uL)
Amt	1000.000	Volume of initial extraction

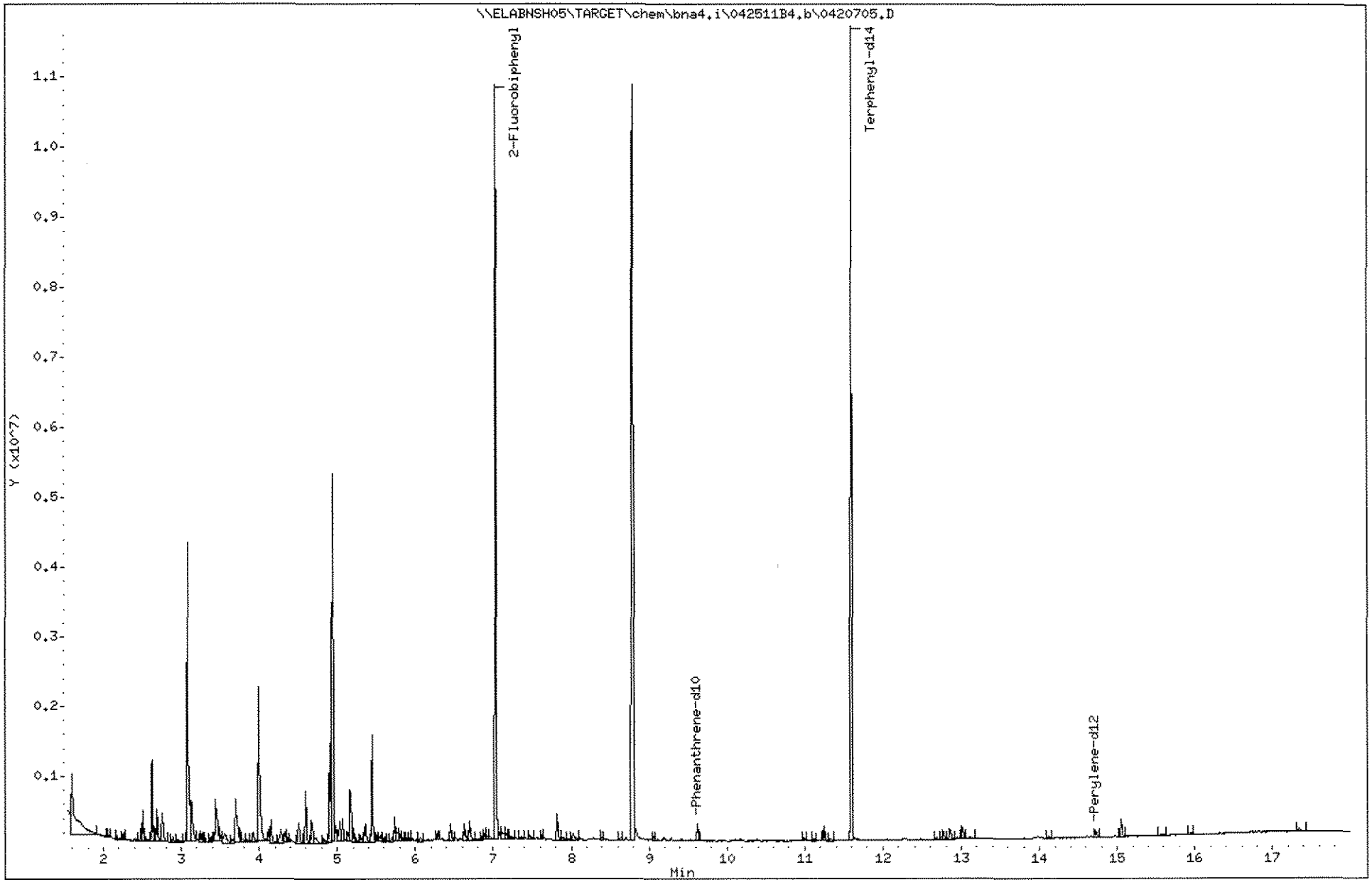
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng/ul)	CONCENTRATIONS FINAL (UG/L)
51 Naphthalene	128	5.766	5.757	(0.599)	21735	0.15456	0.1546(M)
55 2-Methylnaphthalene	142	6.584	6.575	(0.684)	6352	0.06887	0.06887
56 1-Methylnaphthalene	142	6.696	6.687	(0.696)	6458	0.07134	0.07134
$ 74 2-Fluorobiphenyl	172	7.030	7.031	(0.731)	4120690	43.5368	43.54
* 102 Phenanthrene-d10	188	9.624	9.624	(1.000)	110951	1.00000	
* 154 Perylene-d12	264	14.718	14.719	(1.000)	55245	1.00000	
$ 135 Terphenyl-d14	244	11.604	11.595	(1.206)	3806157	49.0255	49.02

QC Flag Legend

M - Compound response manually integrated.

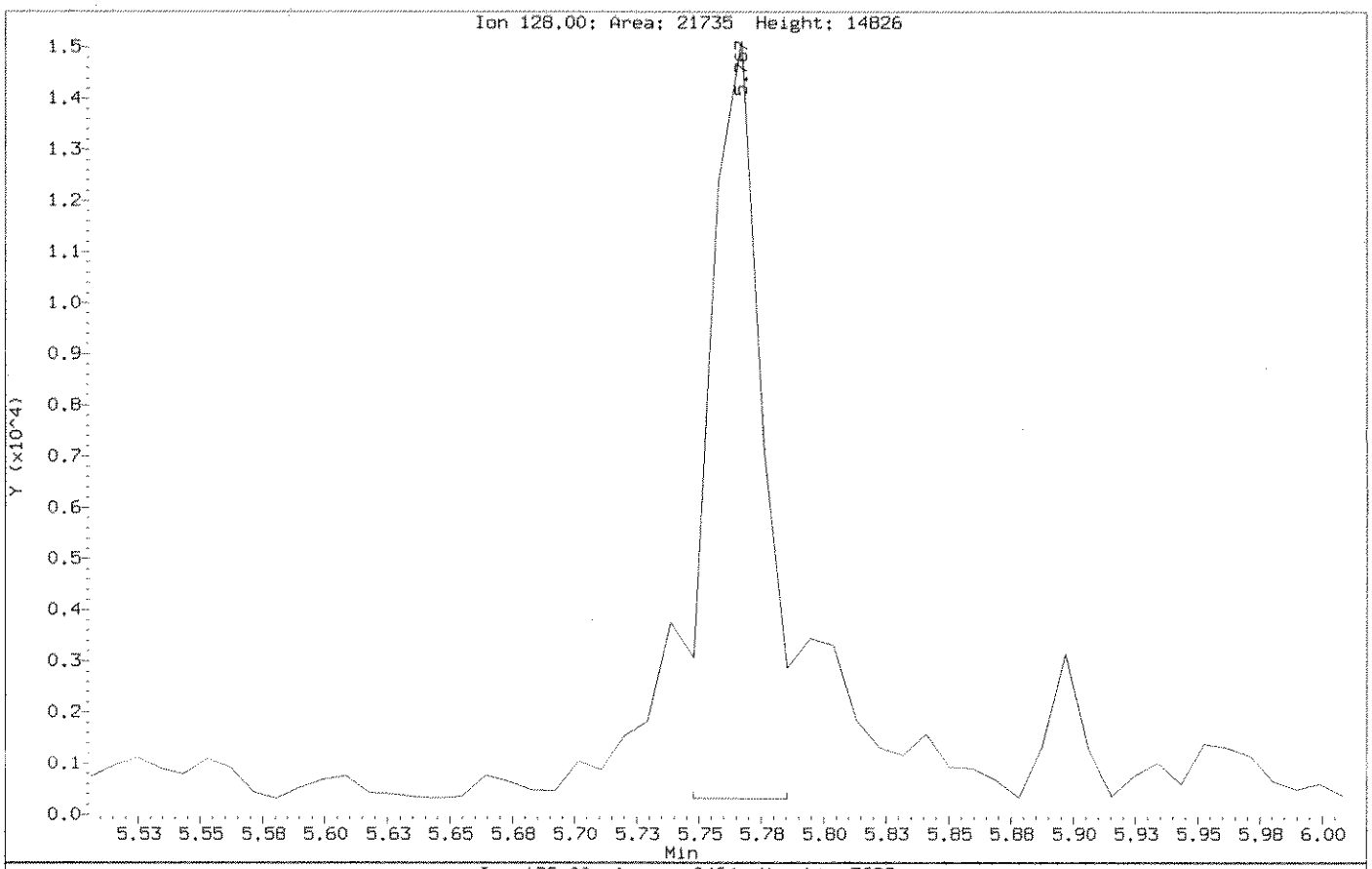
4/26/11
GLC
4/26/11

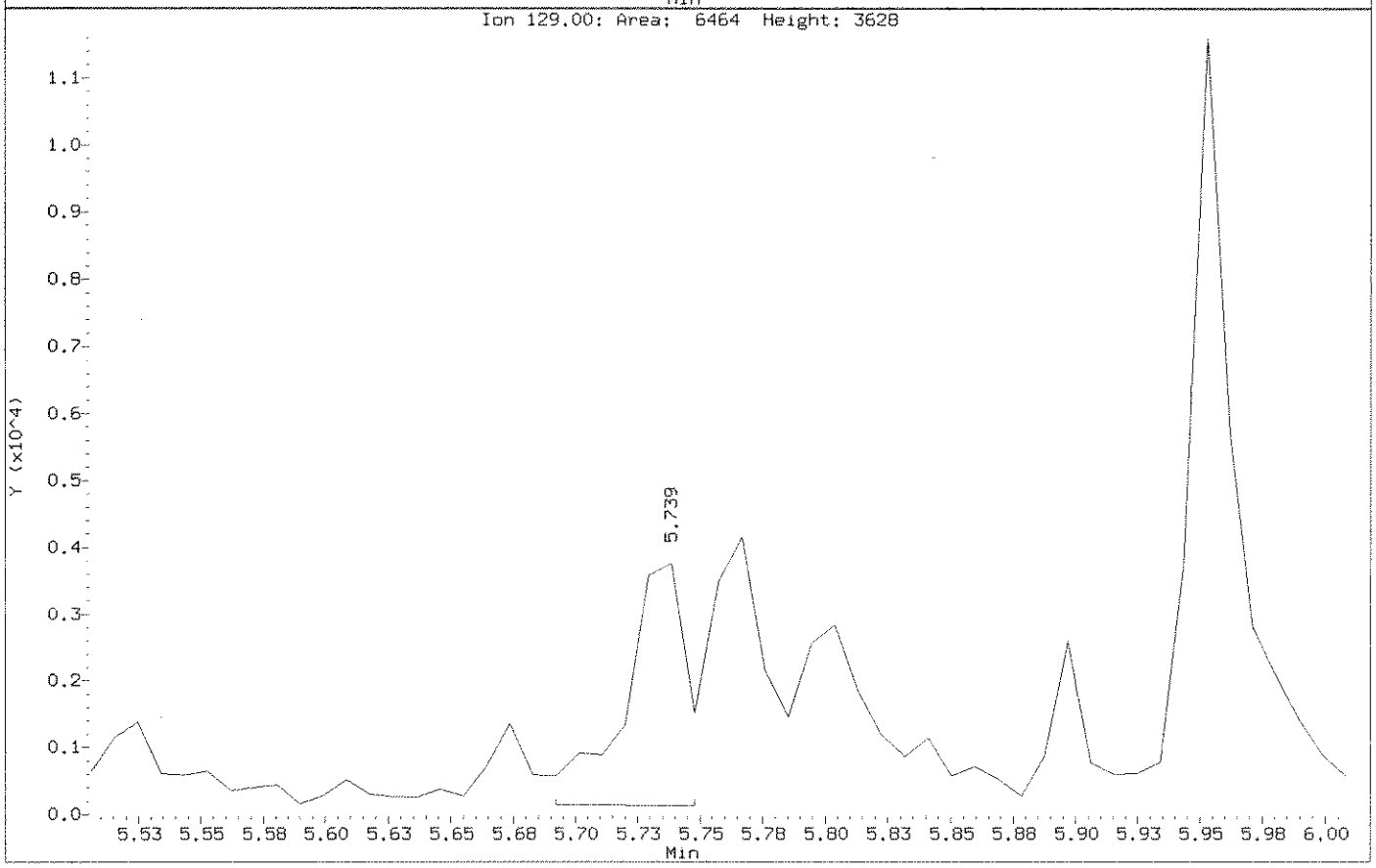
Data File: \\ELABNSH05\TARGET\chem\bna4.i\042511B4.b\0420705.D
Date : 26-APR-2011 00:24
Client ID: OLF54 MW31S
Instrument: bna4.i
Sample Info: 1104207-05;1;1000;1000;1;UG/L;20-APR-2011
Volume Injected (uL): 1.0
Operator: MEC
Column phase: fused silica
Column diameter: 0.25



Data File: \\ELABNSHO5\TARGET\chem\bna4.i\042511B4.b\0420705.D
Injection Date: 26-APR-2011 00:24
Instrument: bna4.i
Client Sample ID: OLF54 MW31S

Compound: Naphthalene
CAS Number: 91-20-3





Data File: \\ELABNSH05\TARGET\chem\bna4.i\042511B4.b\0420705.D

Date : 26-APR-2011 00:24

Client ID: OLF54 MW31S

Instrument: bna4.i

Sample Info: 1104207-05;1;1000;1000;1;UG/L;20-APR-2011

Volume Injected (uL): 1.0

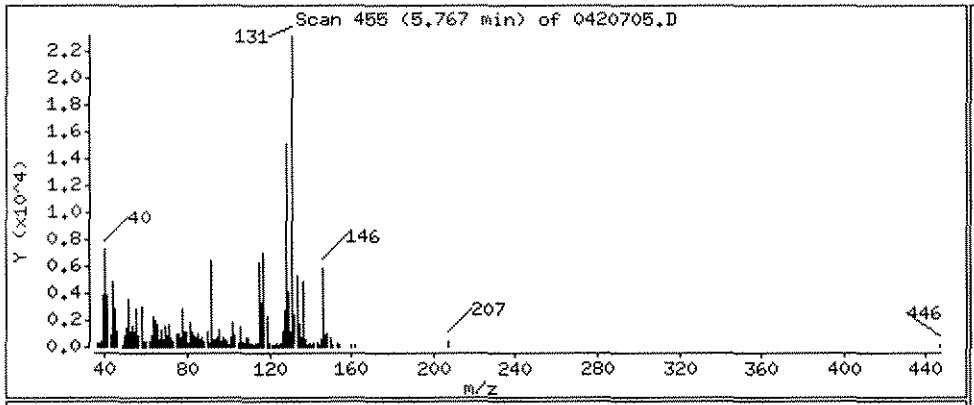
Operator: MEC

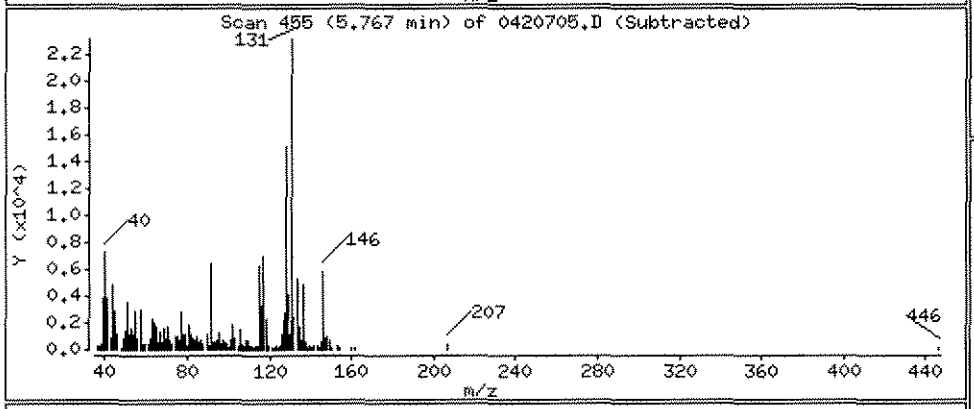
Column phase: fused silica

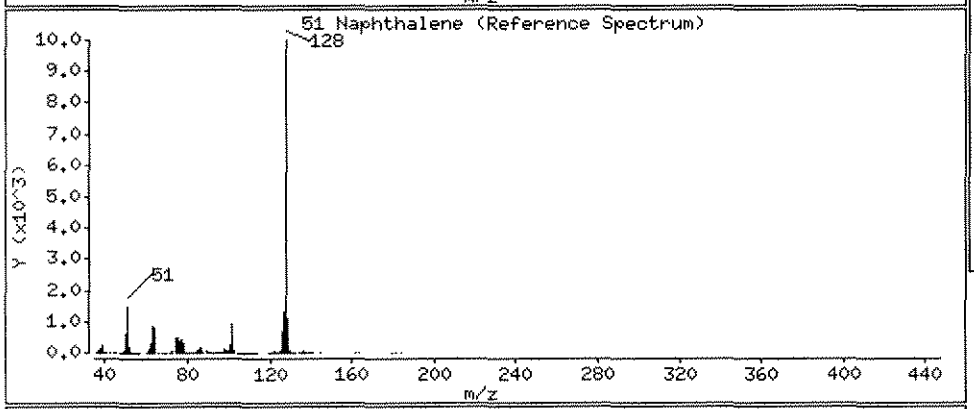
Column diameter: 0.25

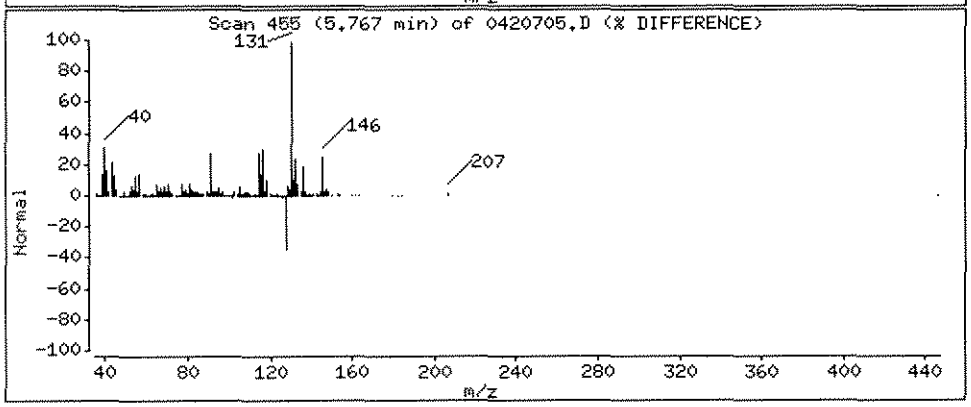
51 Naphthalene

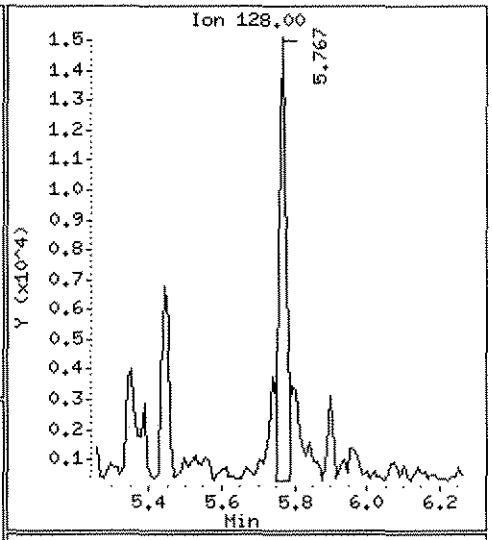
Concentration: 0.1546 UG/L

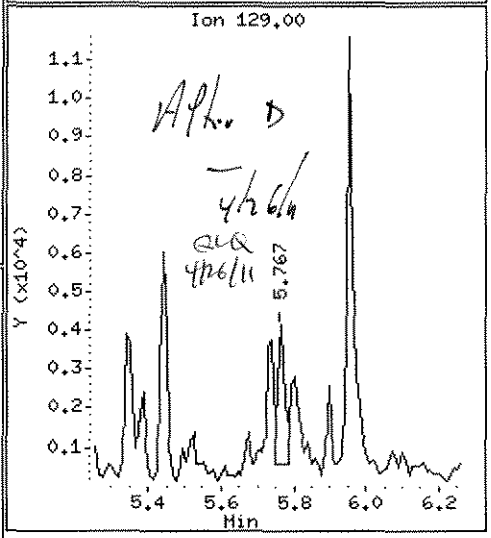












Data File: \\ELABNSH05\TARGET\chem\bna4.i\042511B4.b\0420705.D

Date : 26-APR-2011 00:24

Client ID: OLF54 MW31S

Instrument: bna4.i

Sample Info: 1104207-05;1;1000;1000;1;UG/L;20-APR-2011

Volume Injected (uL): 1.0

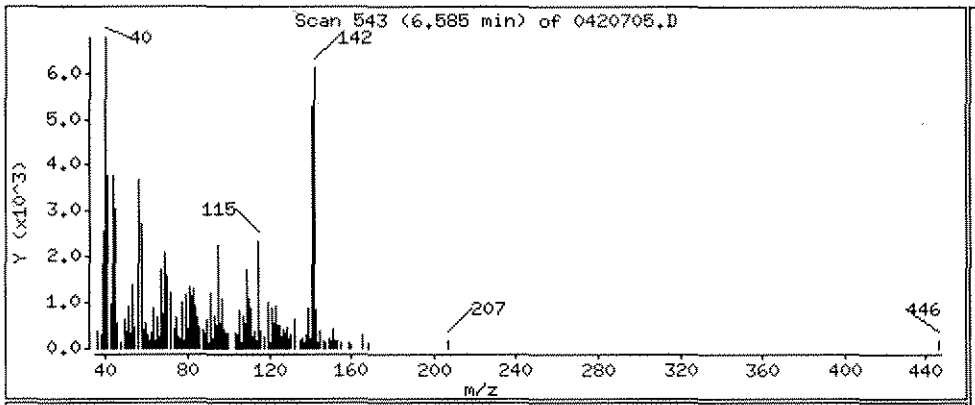
Operator: MEC

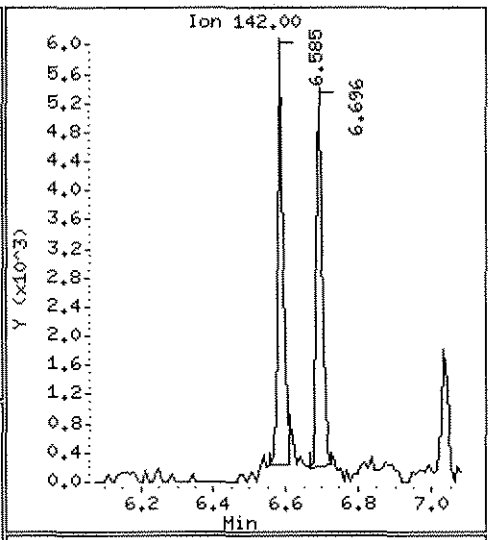
Column phase: fused silica

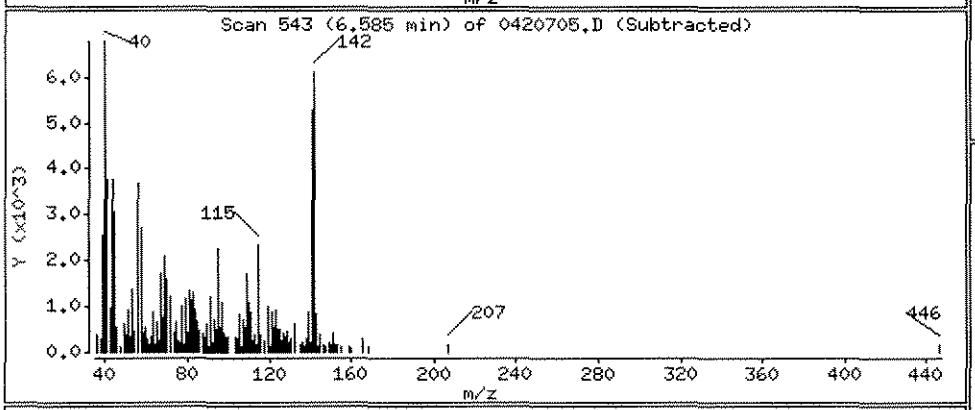
Column diameter: 0.25

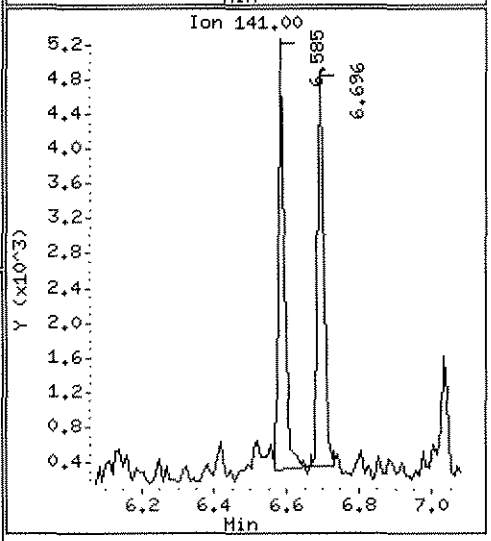
55 2-Methylnaphthalene

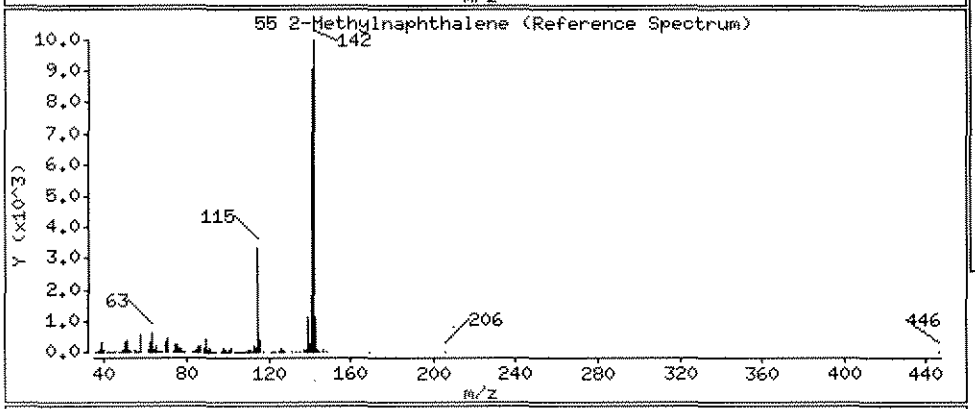
Concentration: 0.06887 UG/L

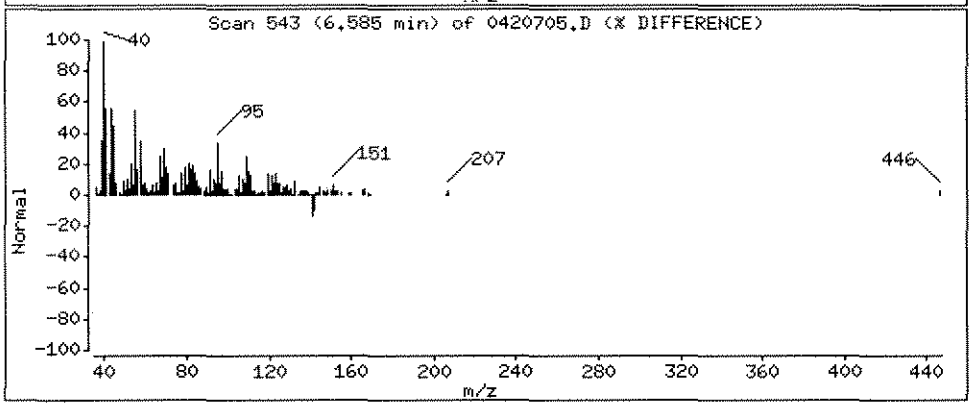












Data File: \\ELABNSH05\TARGET\chem\bna4.i\042511B4.b\0420705.D

Date : 26-APR-2011 00:24

Client ID: OLF54 MW31S

Instrument: bna4.i

Sample Info: 1104207-05;1;1000;1000;1;UG/L;20-APR-2011

Volume Injected (uL): 1.0

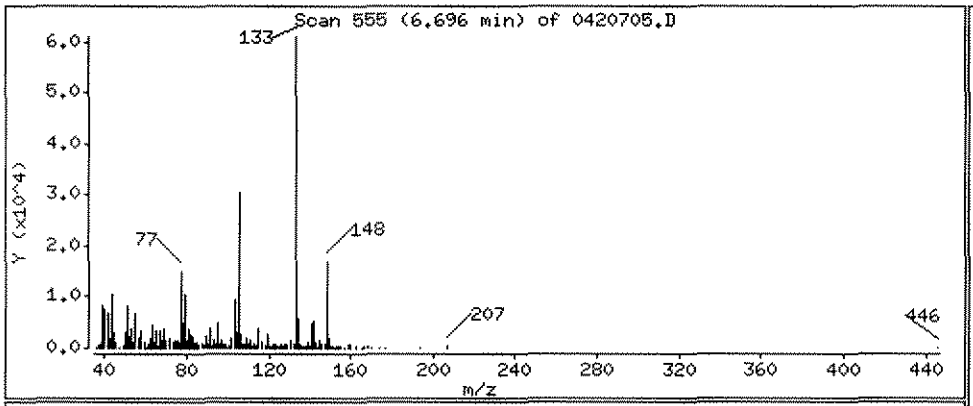
Operator: MEC

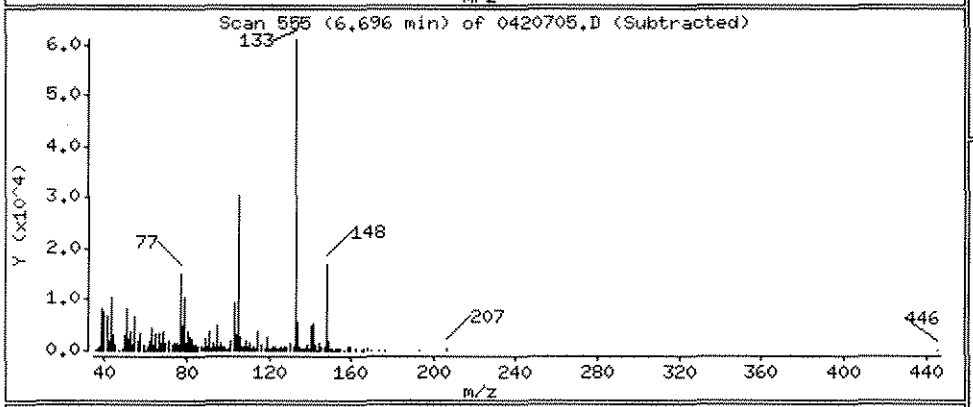
Column phase: fused silica

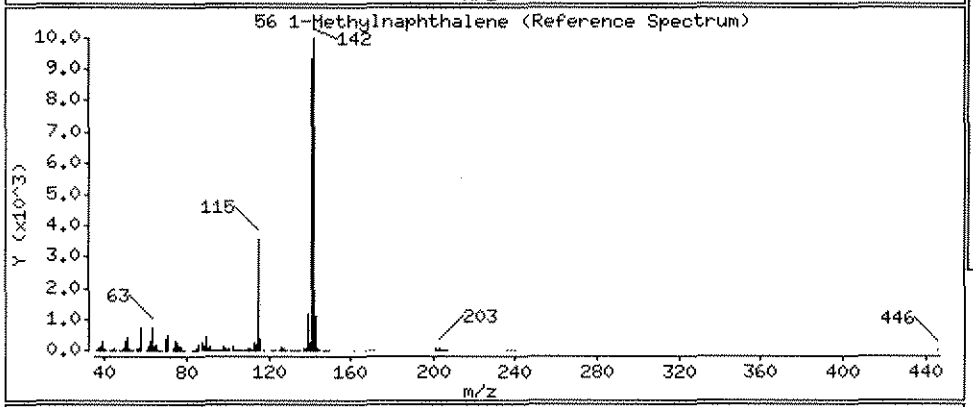
Column diameter: 0.25

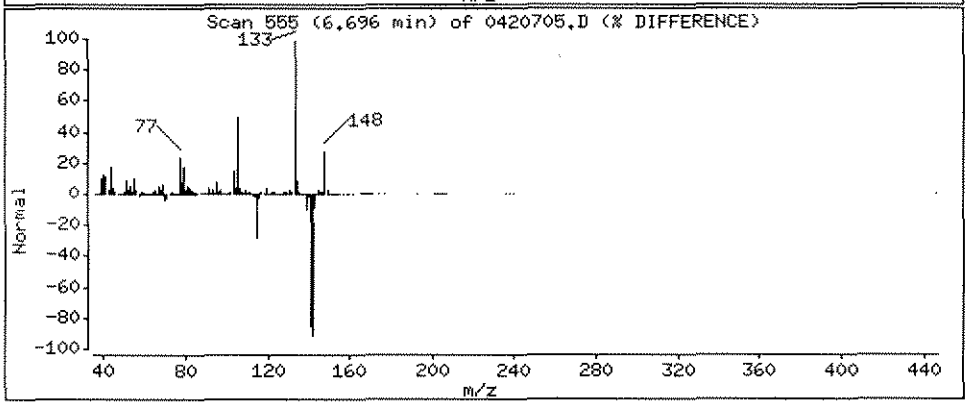
56 1-Methylnaphthalene

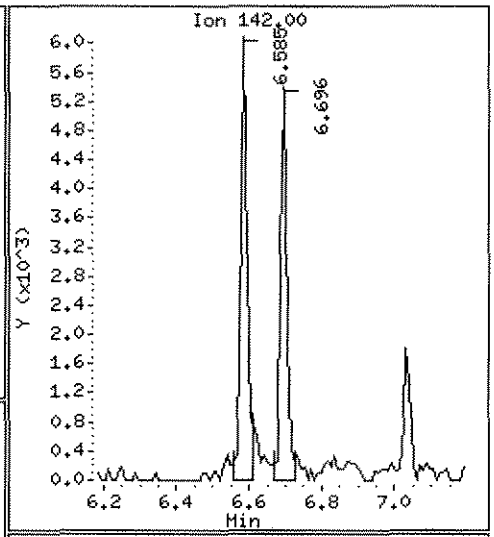
Concentration: 0.07134 UG/L

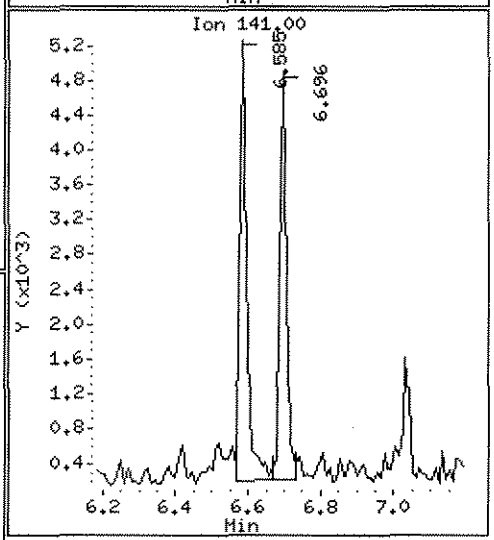












Data File: \\ELABNSH05\TARGET\chem\bna4.i\042511B4.b\0420706.D
Report Date: 26-Apr-2011 10:57

Laboratory Name

Data file : \\ELABNSH05\TARGET\chem\bna4.i\042511B4.b\0420706.D
Lab Smp Id: 1104207-06 Client Smp ID: OLF54 MW29D
Inj Date : 26-APR-2011 00:49 MS Autotune Date: 13-JAN-2011 12:07
Operator : MEC Inst ID: bna4.i
Smp Info : 1104207-06;1;1000;1000;1;UG/L;20-APR-2011
Misc Info : ;0;;;;1D19023;pahlow.sub;
Comment :
Method : \\ELABNSH05\TARGET\chem\bna4.i\042511B4.b\IXBN4LOW.m
Meth Date : 26-Apr-2011 10:53 mcobb Quant Type: ISTD
Cal Date : 19-APR-2011 18:26 Cal File: SEQ-CAL9.D
Als bottle: 18
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: pahlow.sub
Target Version: 4.04
Processing Host: TARGET09_VM

Concentration Formula: Amt * DF * Uf * Vt* Vi/(Amt * Vi)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vt	1000.000	Volume of final extract (uL)
Vi	1.000	Volume injected (uL)
Amt	1000.000	Volume of initial extraction

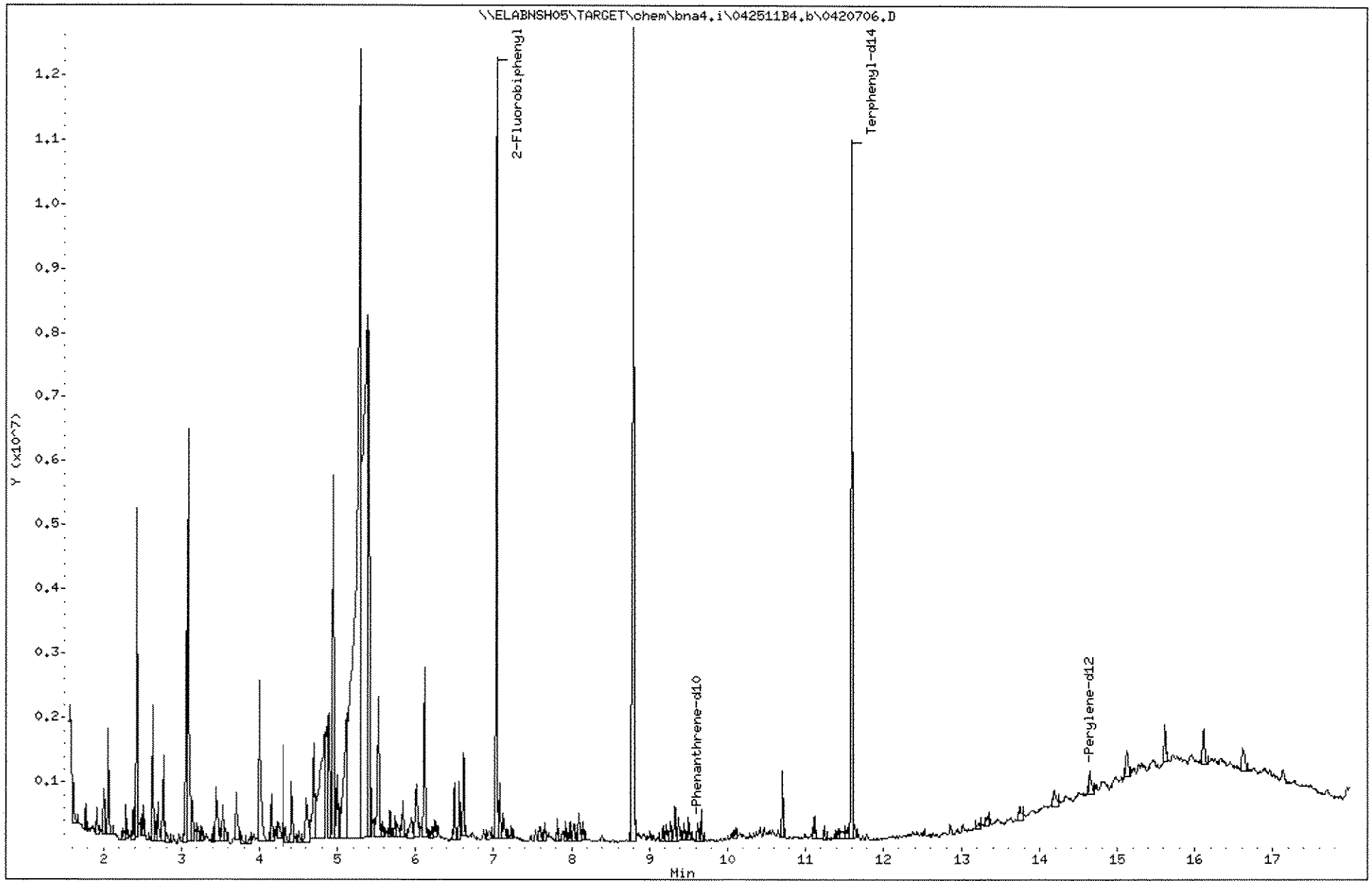
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng/ul)	CONCENTRATIONS FINAL (UG/L)
55	2-Methylnaphthalene	142	6.584	6.575	(0.684)	8943	0.09154	0.09154
56	1-Methylnaphthalene	142	6.696	6.687	(0.696)	6789	0.07080	0.07080
$ 74	2-Fluorobiphenyl	172	7.040	7.031	(0.731)	4618843	46.0742	46.07
* 102	Phenanthrene-d10	188	9.624	9.624	(1.000)	117515	1.00000	
111	Phenanthrene	178	9.652	9.643	(1.003)	3810	0.02822	0.02822(a)
* 154	Perylene-d12	264	14.719	14.719	(1.000)	66865	1.00000	
$ 135	Terphenyl-d14	244	11.604	11.595	(1.206)	3840740	46.7077	46.71

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

4/26/11
QA
4/26/11

Data File: \\ELABNSH05\TARGET\chem\bna4.i\042511B4.b\0420706.D
Date : 26-APR-2011 00:49
Client ID: OLF54 MW29D
Instrument: bna4.i
Sample Info: 1104207-06;1;1000;1000;1;UG/L;20-APR-2011
Volume Injected (uL): 1.0
Operator: MEC
Column phase: fused silica
Column diameter: 0.25



Data File: \\ELABNSH05\TARGET\chem\bna4.i\042511B4.b\0420706.D

Date : 26-APR-2011 00:49

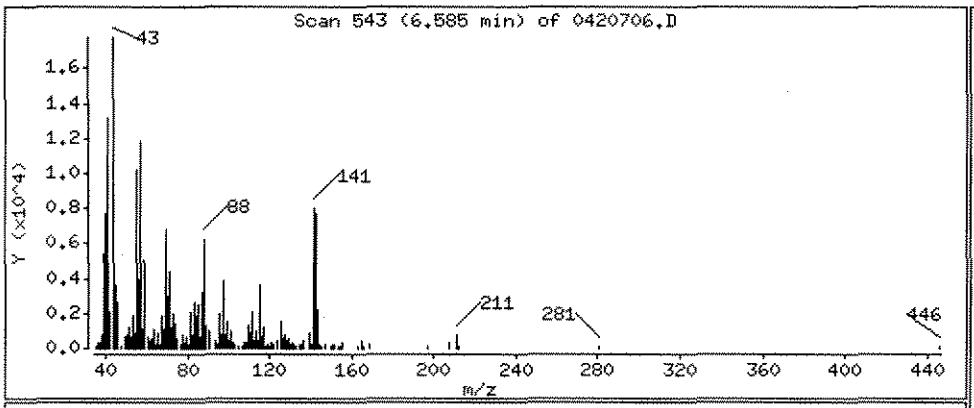
Client ID: OLF54 MW29D | Instrument: bna4.i

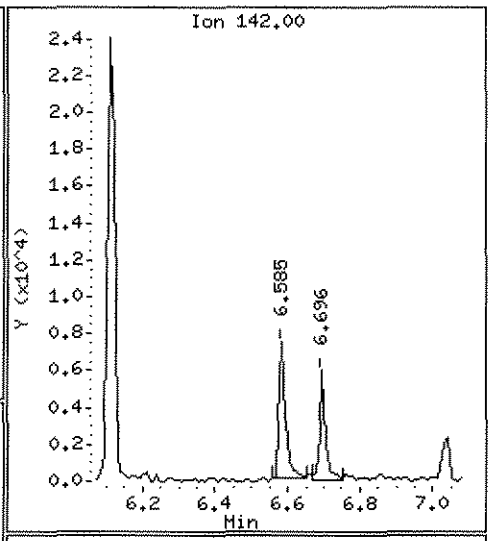
Sample Info: 1104207-06;1;1000;1000;1;UG/L;20-APR-2011

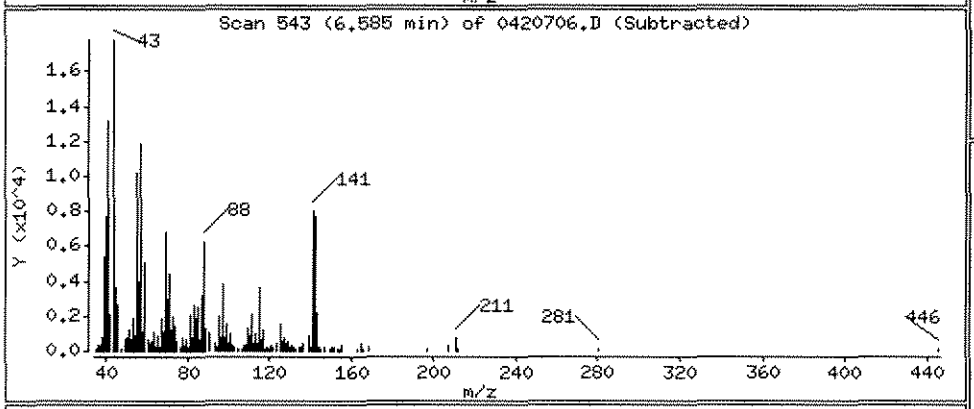
Volume Injected (uL): 1.0 | Operator: MEC

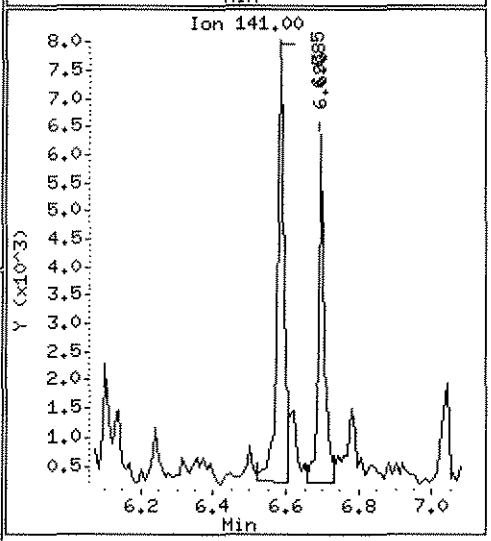
Column phase: fused silica | Column diameter: 0.25

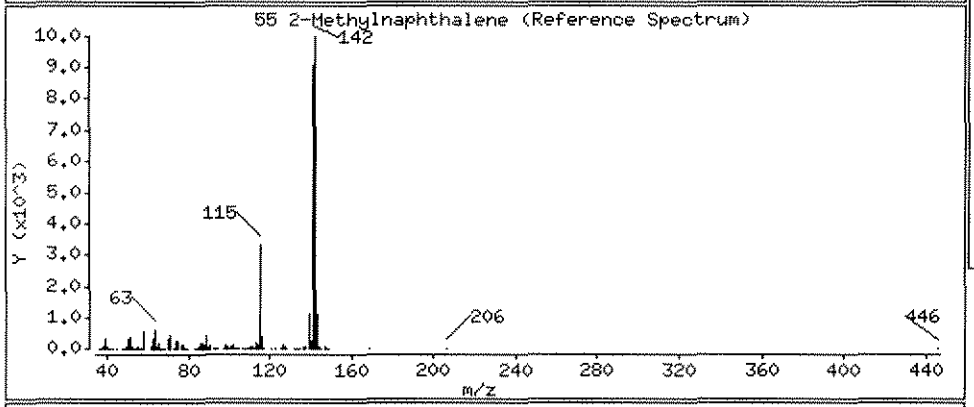
55 2-Methylnaphthalene | Concentration: 0.09154 UG/L

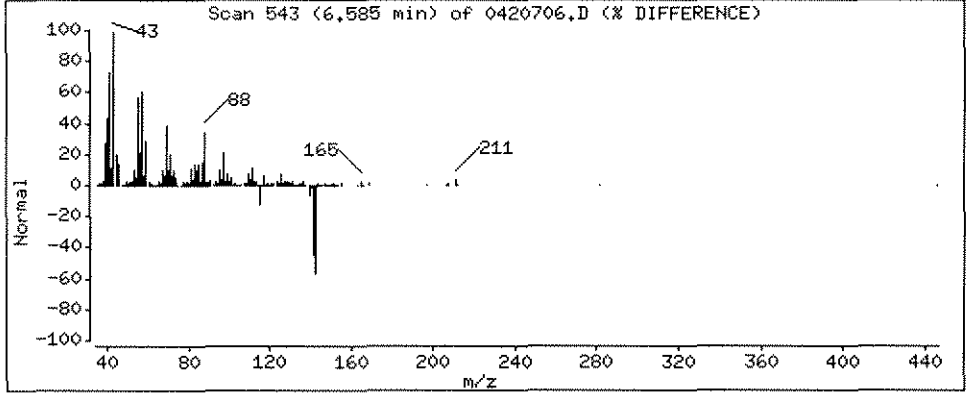












Data File: \\ELABNSH05\TARGET\chem\bna4.i\042511B4.b\0420706.D

Date : 26-APR-2011 00:49

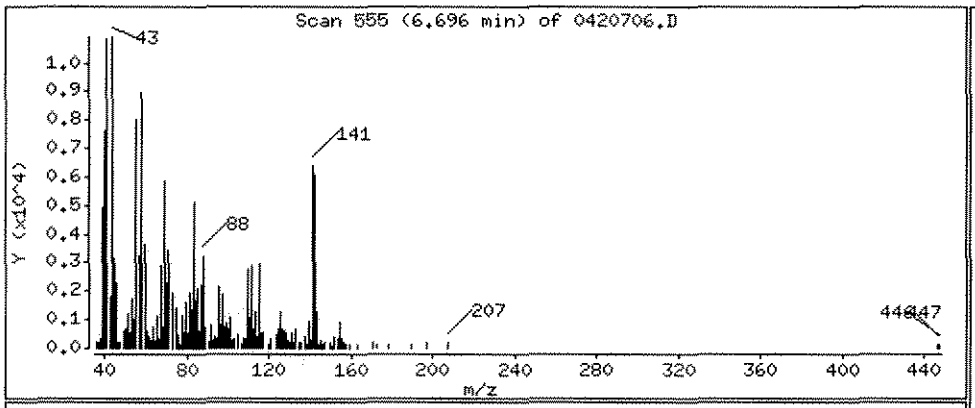
Client ID: OLF54 MW29D Instrument: bna4.i

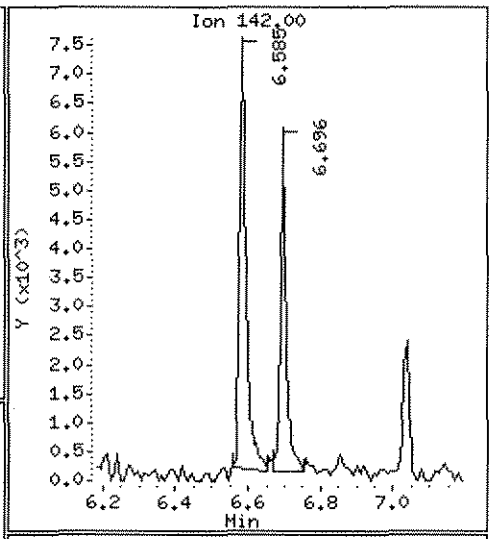
Sample Info: 1104207-06;1;1000;1000;1;UG/L;20-APR-2011

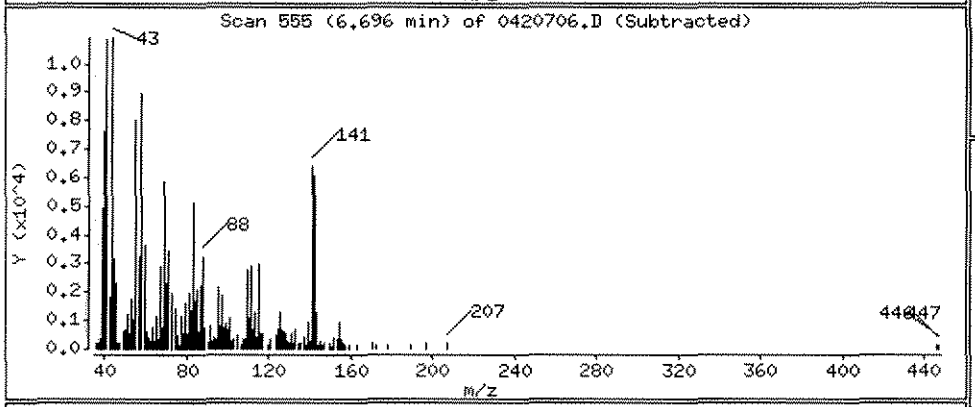
Volume Injected (uL): 1.0 Operator: MEC

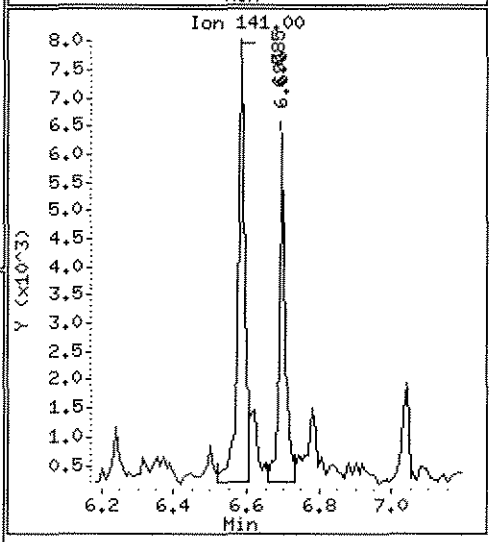
Column phase: fused silica Column diameter: 0.25

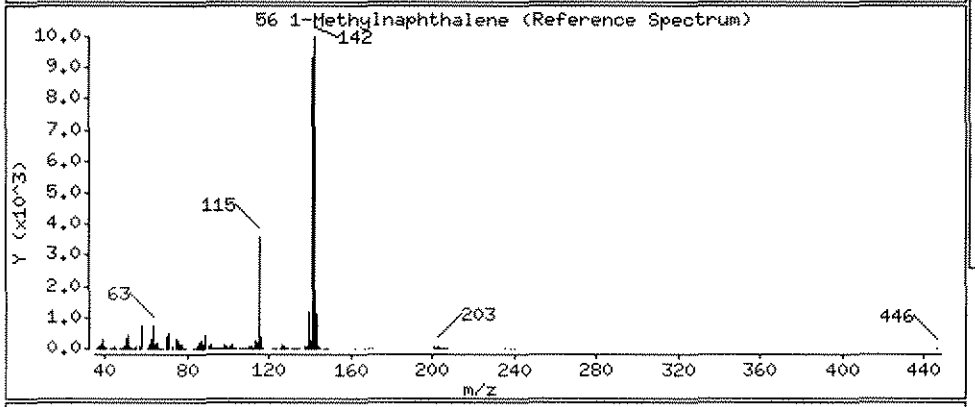
56 1-Methylnaphthalene Concentration: 0.07080 UG/L

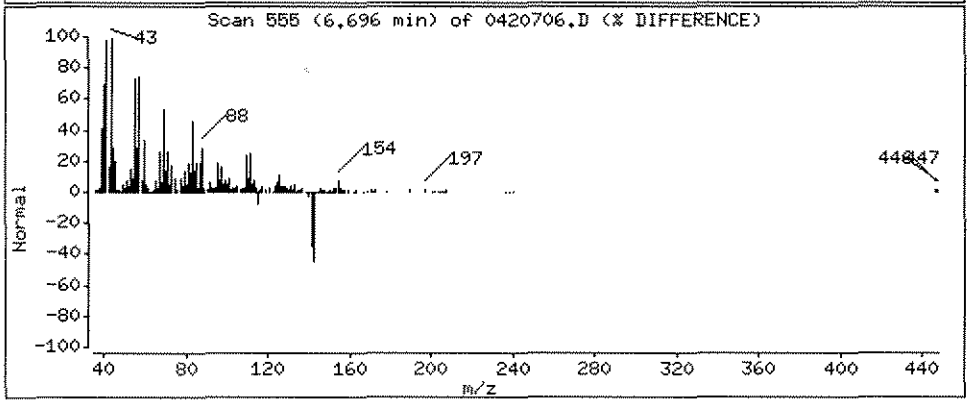












Data File: \\ELABNSH05\TARGET\chem\bna4.i\042511B4.b\0420706.D

Date : 26-APR-2011 00:49

Client ID: OLF54 MW29D

Instrument: bna4.i

Sample Info: 1104207-06;1;1000;1000;1;UG/L;20-APR-2011

Volume Injected (uL): 1.0

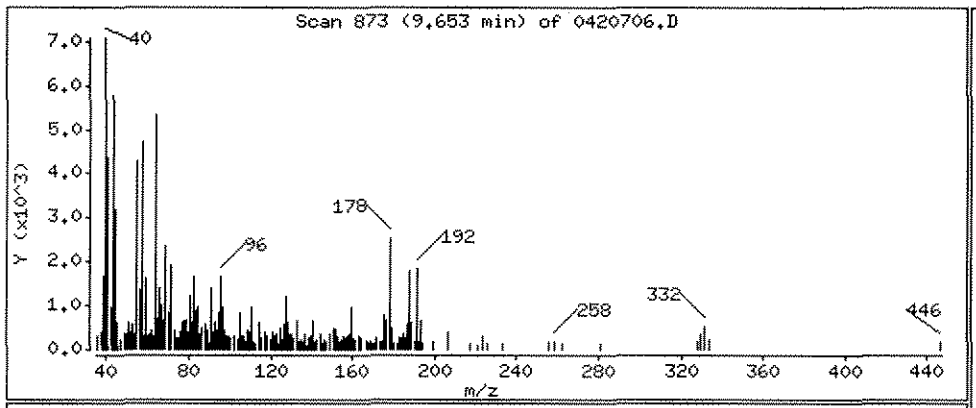
Operator: MEC

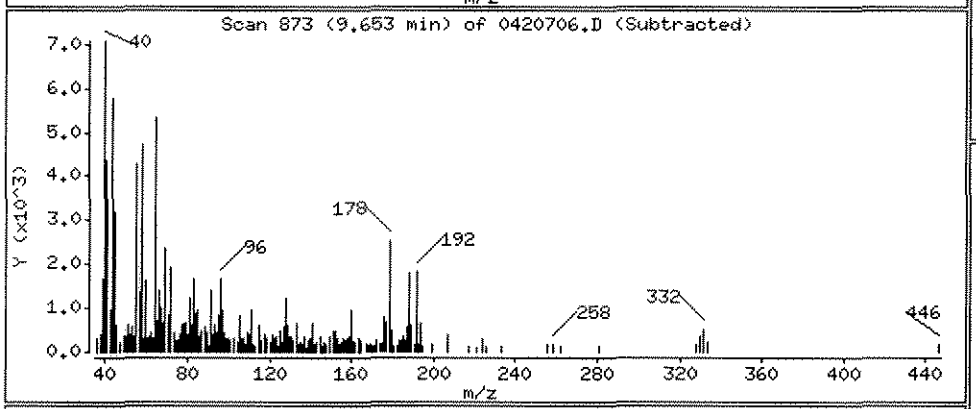
Column phase: fused silica

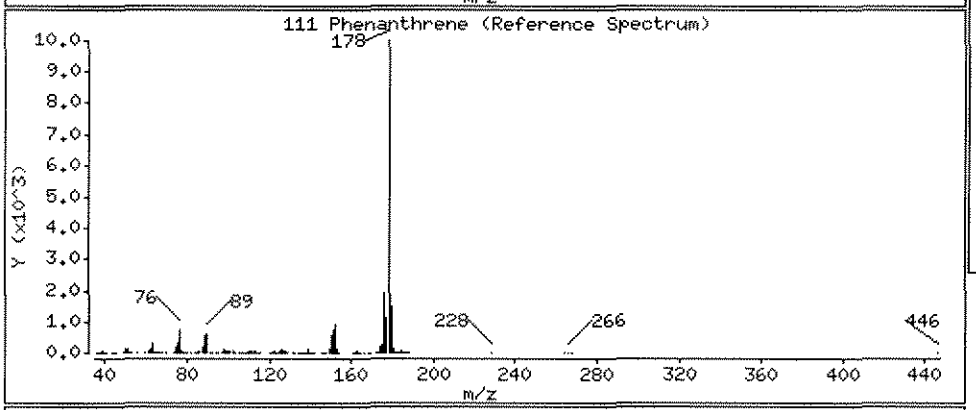
Column diameter: 0.25

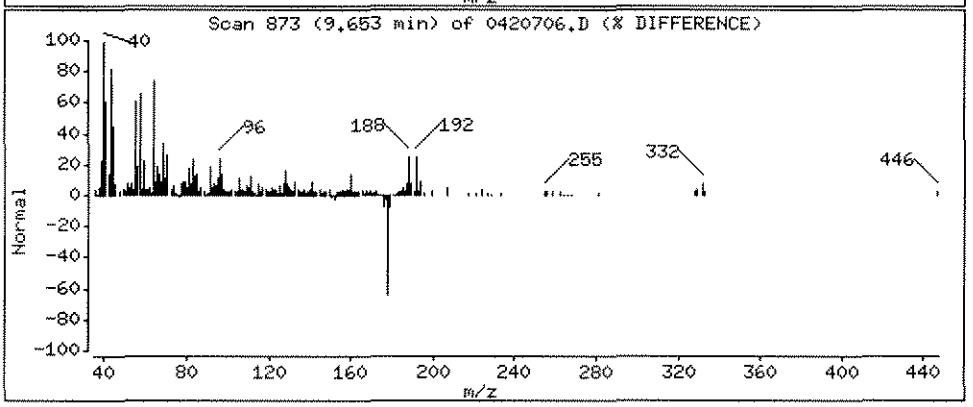
111 Phenanthrene

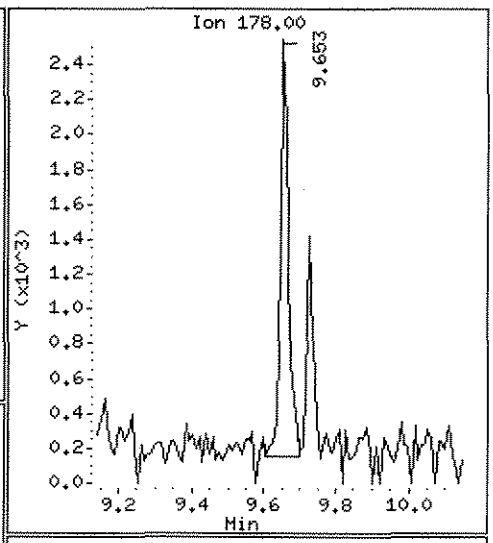
Concentration: 0.02822 UG/L

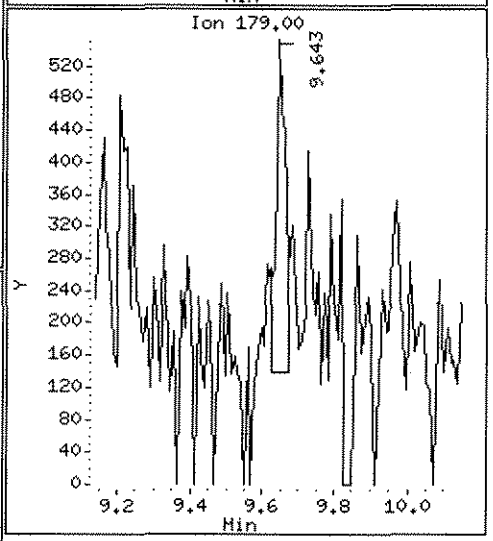












Data File: \\ELABNSH05\TARGET\chem\bna4.i\042511B4.b\0420707.D
Report Date: 26-Apr-2011 10:57

Laboratory Name

Data file : \\ELABNSH05\TARGET\chem\bna4.i\042511B4.b\0420707.D
Lab Smp Id: 1104207-07 Client Smp ID: OLF54 MW02D
Inj Date : 26-APR-2011 01:14 MS Autotune Date: 13-JAN-2011 12:07
Operator : MEC Inst ID: bna4.i
Smp Info : 1104207-07;1;1000;1000;1;UG/L;20-APR-2011
Misc Info : ;0;;;;1D19023;pahlow.sub;
Comment :
Method : \\ELABNSH05\TARGET\chem\bna4.i\042511B4.b\IXBN4LOW.m
Meth Date : 26-Apr-2011 10:53 mcobb Quant Type: ISTD
Cal Date : 19-APR-2011 18:26 Cal File: SEQ-CAL9.D
Als bottle: 19
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: pahlow.sub
Target Version: 4.04
Processing Host: TARGET09_VM

Concentration Formula: Amt * DF * Uf * Vt* Vi/(Amt * Vi)

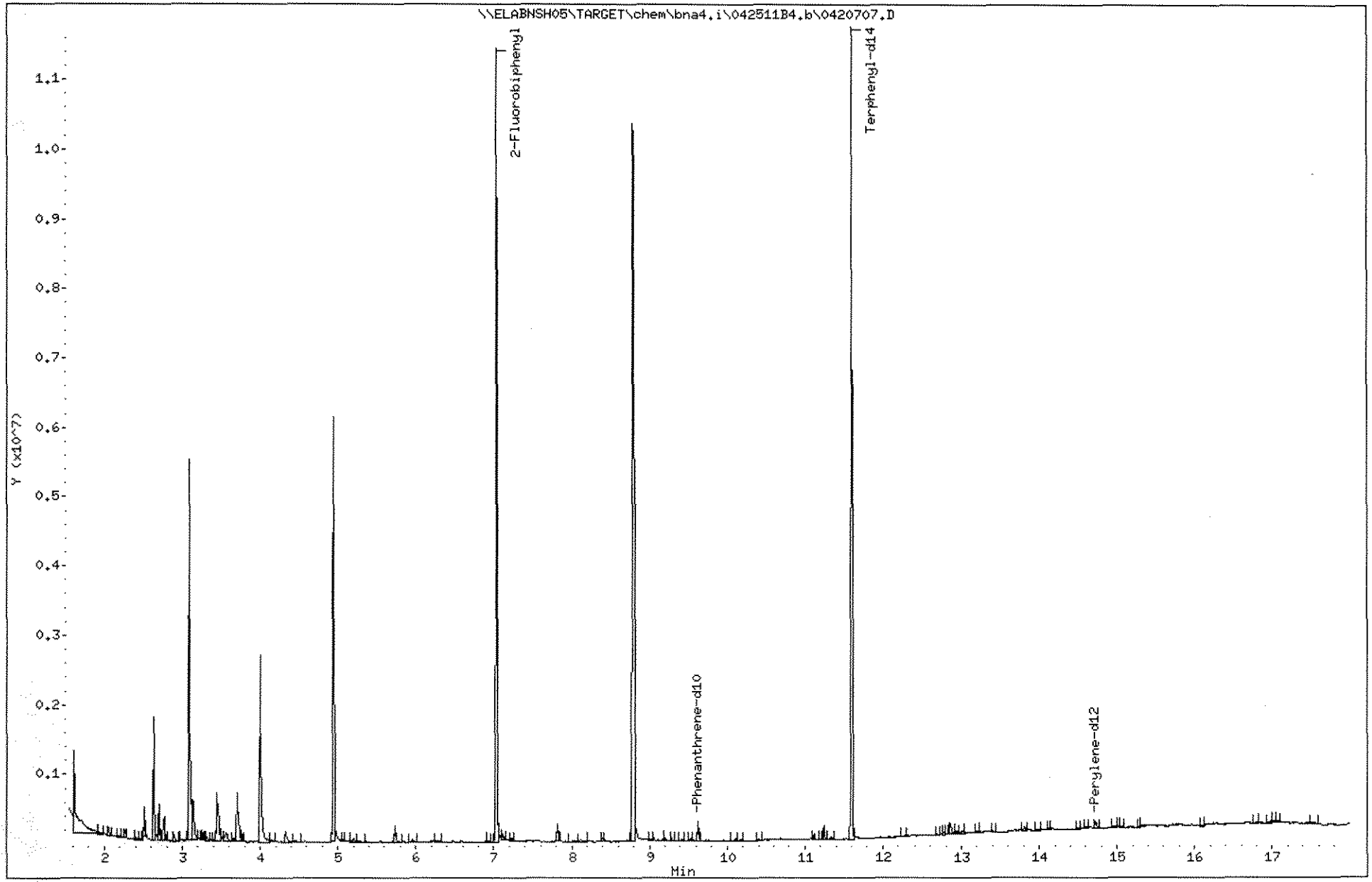
Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vt	1000.000	Volume of final extract (uL)
Vi	1.000	Volume injected (uL)
Amt	1000.000	Volume of initial extraction

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng/ul)	CONCENTRATIONS FINAL (UG/L)
$ 74 2-Fluorobiphenyl	172	7.030	7.031	(0.731)	4384301	45.5453	45.54
* 102 Phenanthrene-d10	188	9.624	9.624	(1.000)	112843	1.00000	
* 154 Perylene-d12	264	14.719	14.719	(1.000)	61832	1.00000	
$ 135 Terphenyl-d14	244	11.604	11.595	(1.206)	3882251	49.1672	49.17

4/26/11

GLQ
4/26/11

Data File: \\ELABNSH05\TARGET\chem\bna4.i\042511B4.b\0420707.D
Date : 26-APR-2011 01:14
Client ID: OLF54 MW02D
Instrument: bna4.i
Sample Info: 1104207-07;1;1000;1000;1;UG/L;20-APR-2011
Volume Injected (uL): 1.0
Operator: MEC
Column phase: fused silica
Column diameter: 0.25



CTOJM29_002

Data File: \\ELABNSH05\TARGET\chem\bna4.i\042511B4.b\0420708.D
Report Date: 26-Apr-2011 10:57

Laboratory Name

Data file : \\ELABNSH05\TARGET\chem\bna4.i\042511B4.b\0420708.D
Lab Smp Id: 1104207-08 Client Smp ID: OLF54 MW03S
Inj Date : 26-APR-2011 01:39 MS Autotune Date: 13-JAN-2011 12:07
Operator : MEC Inst ID: bna4.i
Smp Info : 1104207-08;1;1000;1000;1;UG/L;20-APR-2011
Misc Info : ;0;;;;1D19023;pahlow.sub;
Comment :
Method : \\ELABNSH05\TARGET\chem\bna4.i\042511B4.b\IXBN4LOW.m
Meth Date : 26-Apr-2011 10:53 mcobb Quant Type: ISTD
Cal Date : 19-APR-2011 18:26 Cal File: SEQ-CAL9.D
Als bottle: 20
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: pahlow.sub
Target Version: 4.04
Processing Host: TARGET09_VM

Concentration Formula: Amt * DF * Uf * Vt* Vi/(Amt * Vi)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vt	1000.000	Volume of final extract (uL)
Vi	1.000	Volume injected (uL)
Amt	1000.000	Volume of initial extraction

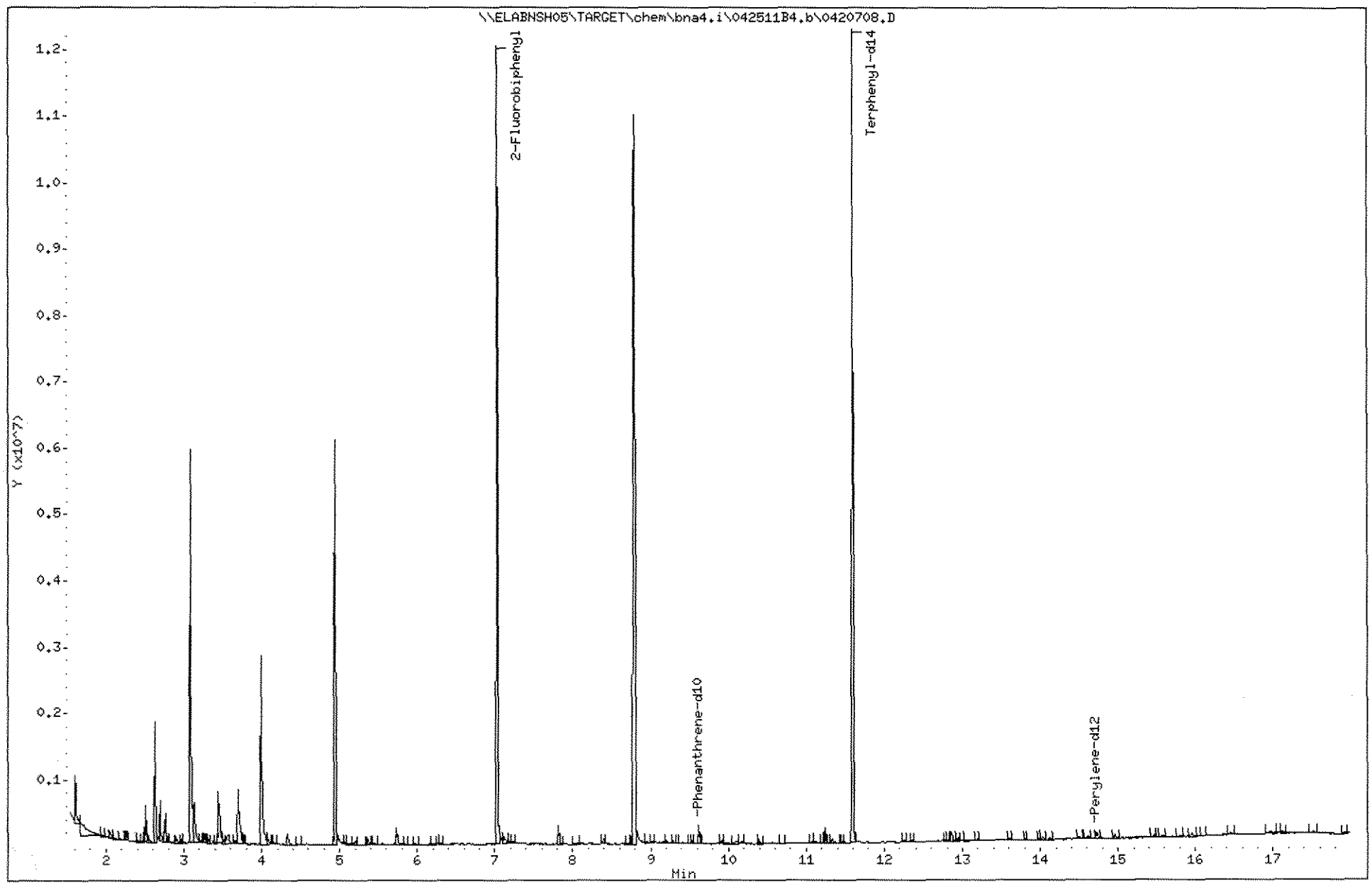
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng/ul)	CONCENTRATIONS FINAL (UG/L)
	55 2-Methylnaphthalene	142	6.594	6.575	(0.685)	2178	0.02142	0.02142(a)
$	74 2-Fluorobiphenyl	172	7.031	7.031	(0.731)	4558113	43.6737	43.67
*	102 Phenanthrene-d10	188	9.624	9.624	(1.000)	122344	1.00000	
*	154 Perylene-d12	264	14.719	14.719	(1.000)	56248	1.00000	
$	135 Terphenyl-d14	244	11.604	11.595	(1.206)	4110101	48.0105	48.01

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

4/26/11
QLQ
4/26/11

Data File: \\ELABNSH05\TARGET\chem\bna4.i\042511B4.b\0420708.D
Date : 26-APR-2011 01:39
Client ID: OLF54 MW03S
Instrument: bna4.i
Sample Info: 1104207-08;1;1000;1000;1;UG/L;20-APR-2011
Volume Injected (uL): 1.0
Operator: MEC
Column phase: fused silica
Column diameter: 0.25



Data File: \\ELABNSH05\TARGET\chem\bna4.i\042511B4.b\0420708.D

Date : 26-APR-2011 01:39

Client ID: OLF54 MW03S

Instrument: bna4.i

Sample Info: 1104207-08;1;1000;1000;1;UG/L;20-APR-2011

Volume Injected (uL): 1.0

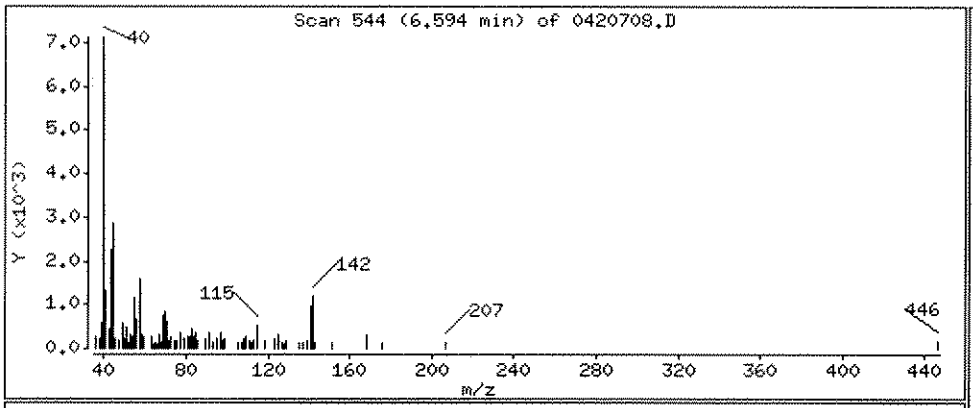
Operator: MEC

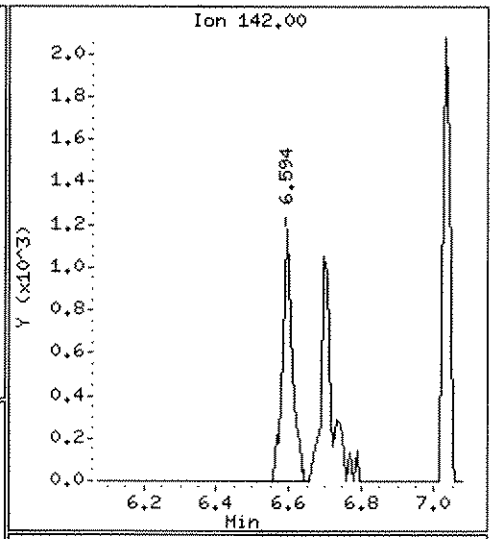
Column phase: fused silica

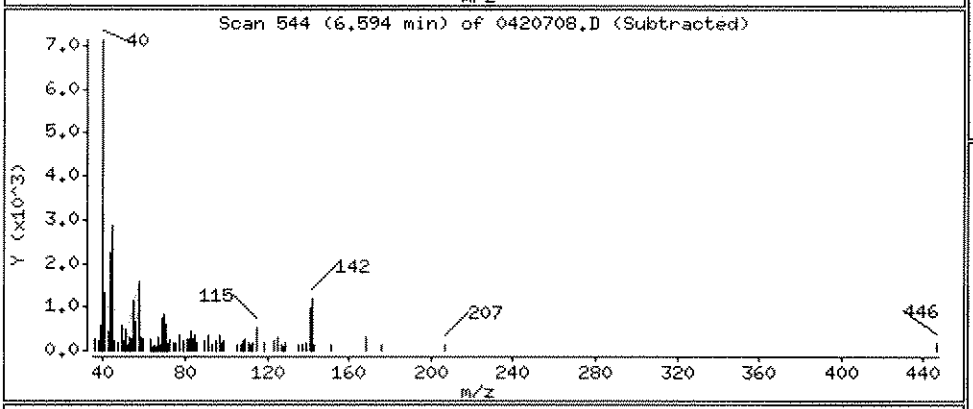
Column diameter: 0.25

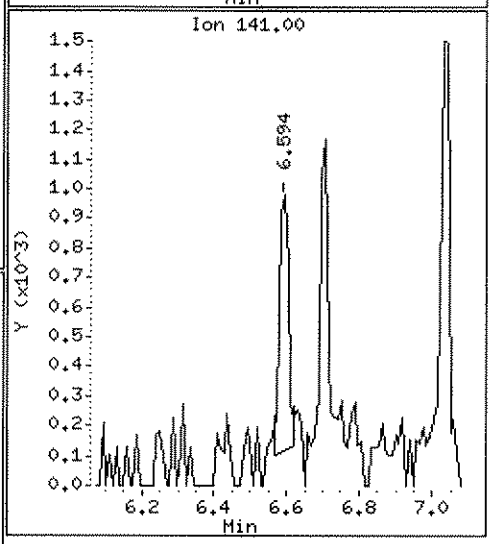
55 2-Methylnaphthalene

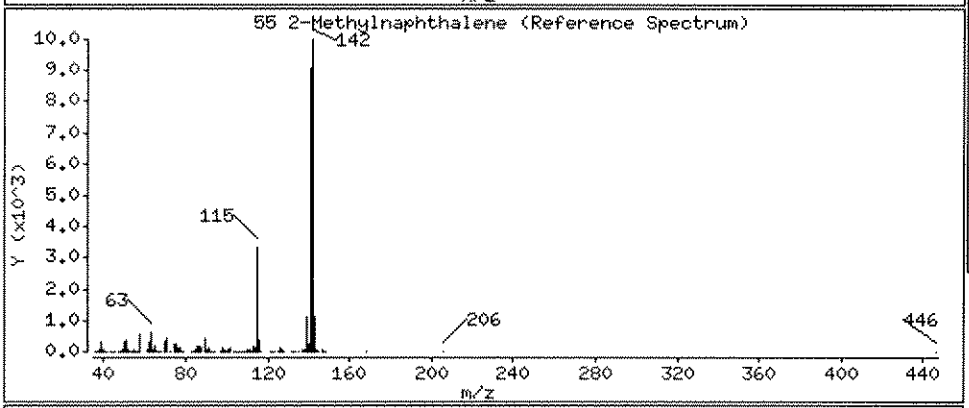
Concentration: 0.02142 UG/L

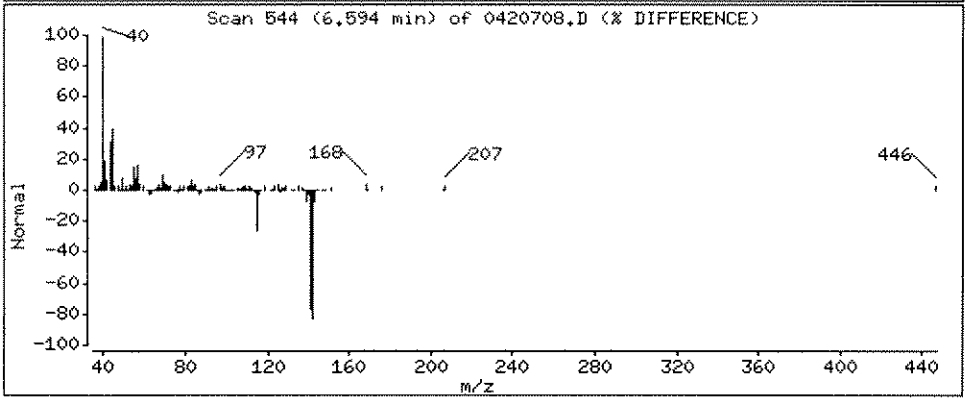












Data File: \\ELABNSH05\TARGET\chem\bna4.i\042511B4.b\0420709.D
Report Date: 26-Apr-2011 10:57

Laboratory Name

Data file : \\ELABNSH05\TARGET\chem\bna4.i\042511B4.b\0420709.D
Lab Smp Id: 1104207-09 Client Smp ID: FB04151101
Inj Date : 26-APR-2011 02:04 MS Autotune Date: 13-JAN-2011 12:07
Operator : MEC Inst ID: bna4.i
Smp Info : 1104207-09;1;1000;1000;1;UG/L;20-APR-2011
Misc Info : ;0;;;;1D19023;pahlow.sub;
Comment :
Method : \\ELABNSH05\TARGET\chem\bna4.i\042511B4.b\IXBN4LOW.m
Meth Date : 26-Apr-2011 10:53 mcobb Quant Type: ISTD
Cal Date : 19-APR-2011 18:26 Cal File: SEQ-CAL9.D
Als bottle: 21
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: pahlow.sub
Target Version: 4.04
Processing Host: TARGET09_VM

Concentration Formula: Amt * DF * Uf * Vt* Vi/(Amt * Vi)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vt	1000.000	Volume of final extract (uL)
Vi	1.000	Volume injected (uL)
Amt	1000.000	Volume of initial extraction

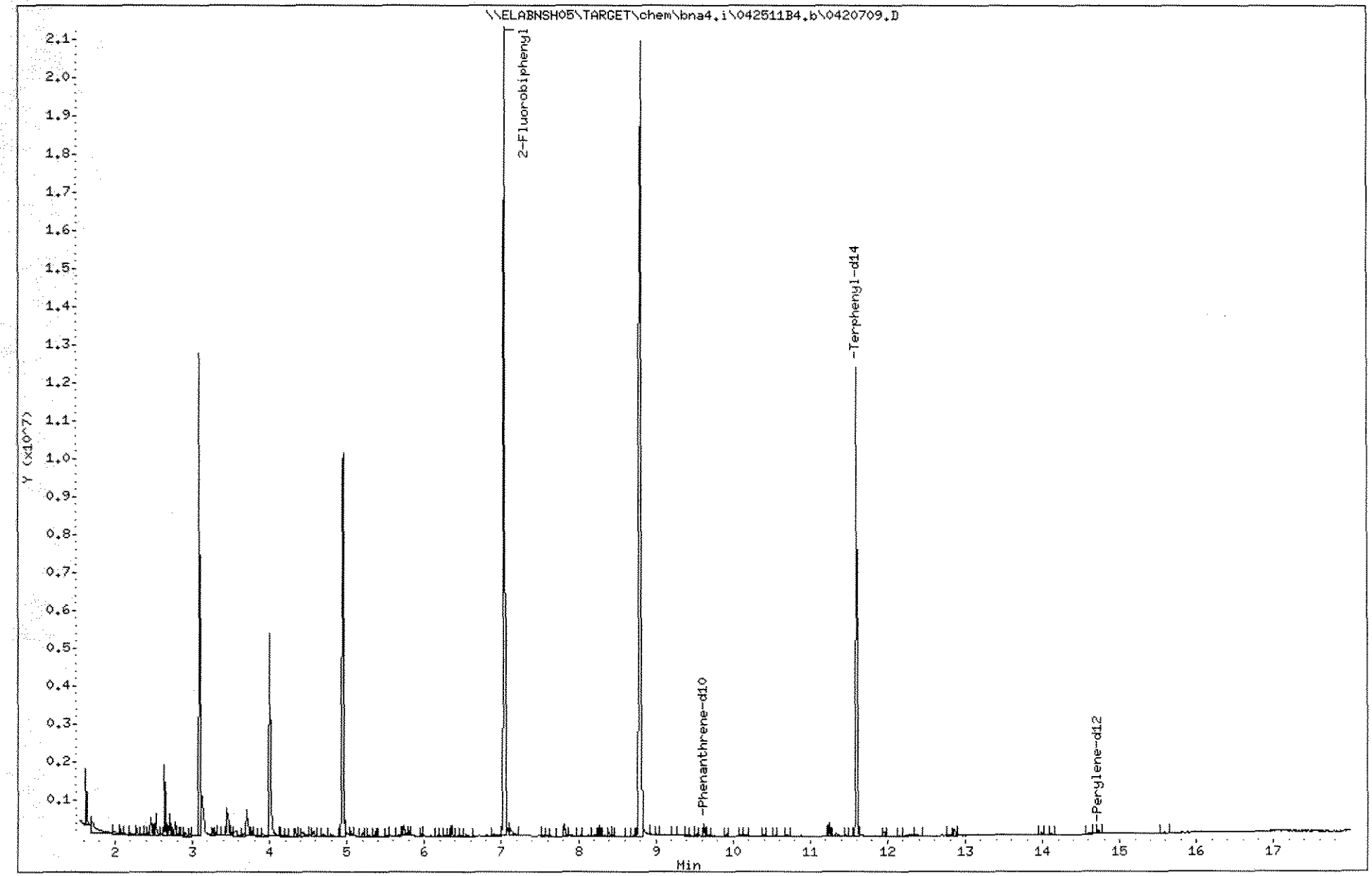
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng/ul)	CONCENTRATIONS FINAL (UG/L)
51 Naphthalene	128	5.766	5.757	(0.599)	24103	0.14810	0.1481
55 2-Methylnaphthalene	142	6.584	6.575	(0.684)	2204	0.02065	0.02065(a)
$ 74 2-Fluorobiphenyl	172	7.040	7.031	(0.731)	9488462	86.6213	86.62(AR)
* 102 Phenanthrene-d10	188	9.624	9.624	(1.000)	128407	1.00000	
* 154 Perylene-d12	264	14.719	14.719	(1.000)	58069	1.00000	
$ 135 Terphenyl-d14	244	11.604	11.595	(1.206)	4279824	47.6326	47.63

QC Flag Legend

a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).
A - Target compound detected but, quantitated amount exceeded maximum amount.
R - Spike/Surrogate failed recovery limits.

4/26/11
GLQ
4/26/11

Data File: \\ELABNSH05\TARGET\chem\bna4.i\042511B4.b\0420709.D
Date : 26-APR-2011 02:04
Client ID: FB04151101 Instrument: bna4.i
Sample Info: 1104207-09;1;1000;1000;1;UG/L;20-APR-2011
Volume Injected (uL): 1.0 Operator: MEC
Column phase: fused silica Column diameter: 0.25



Data File: \\ELABNSH05\TARGET\chem\bna4.i\042511B4.b\0420709.D

Date : 26-APR-2011 02:04

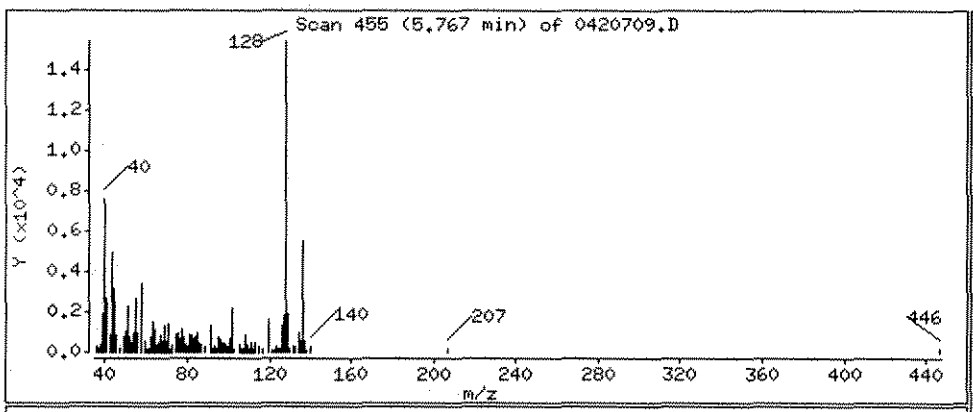
Client ID: FB04151101 Instrument: bna4.i

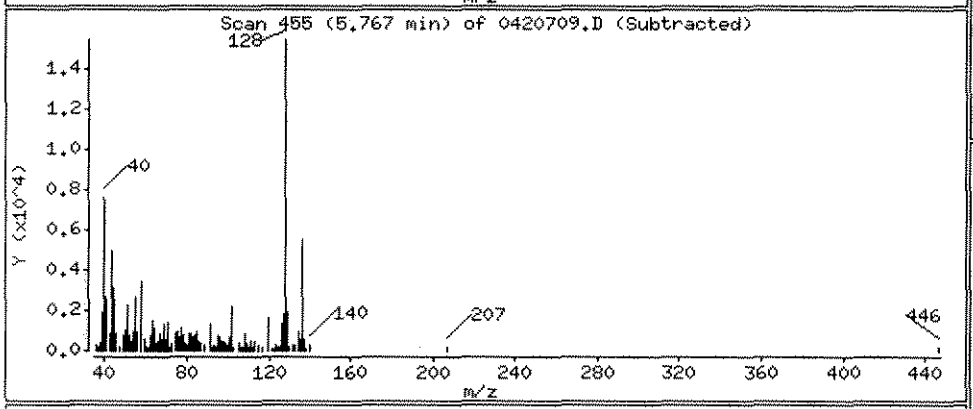
Sample Info: 1104207-09;1;1000;1000;1;UG/L;20-APR-2011

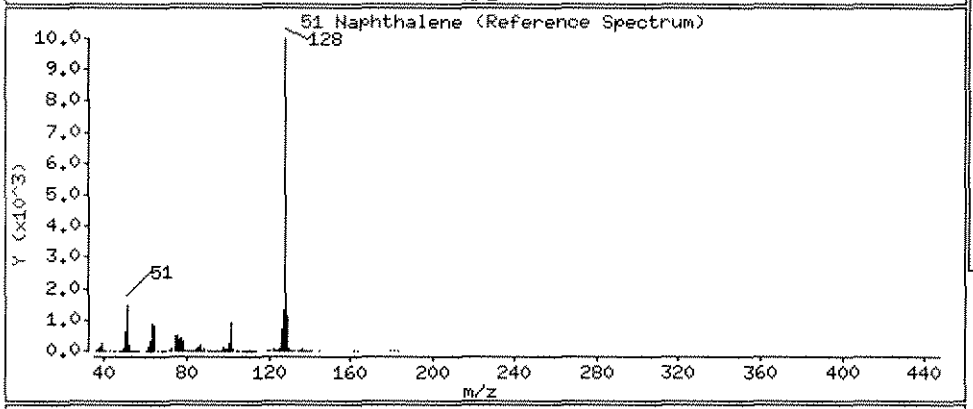
Volume Injected (uL): 1.0 Operator: MEC

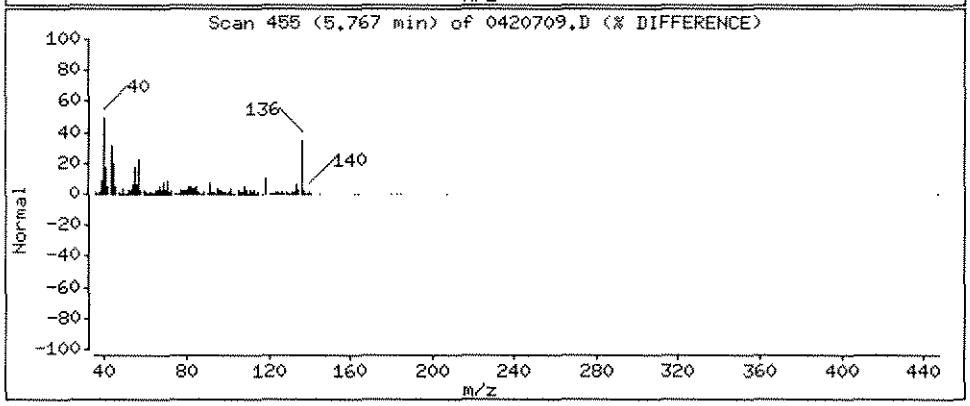
Column phase: fused silica Column diameter: 0.25

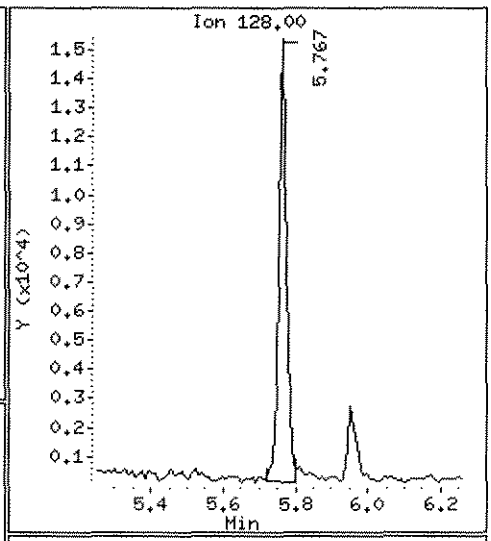
51 Naphthalene Concentration: 0.1481 UG/L

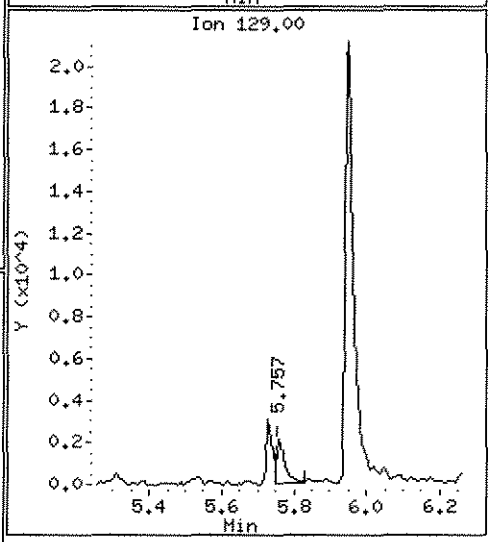












Data File: \\ELABNSH05\TARGET\chem\bna4.i\042511B4.b\0420709.D

Date : 26-APR-2011 02:04

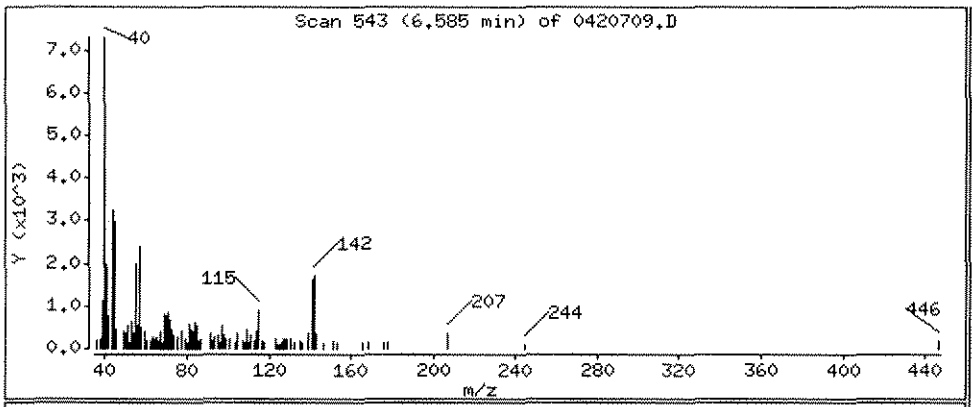
Client ID: FB04151101 Instrument: bna4.i

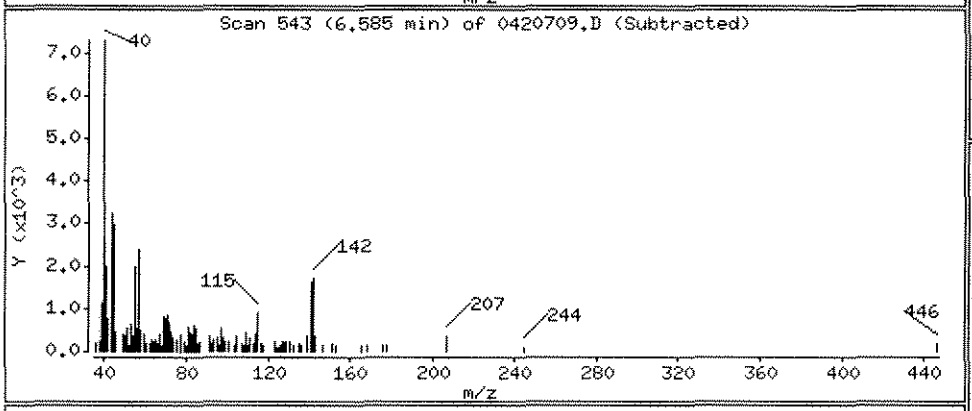
Sample Info: 1104207-09;1;1000;1000;1;UG/L;20-APR-2011

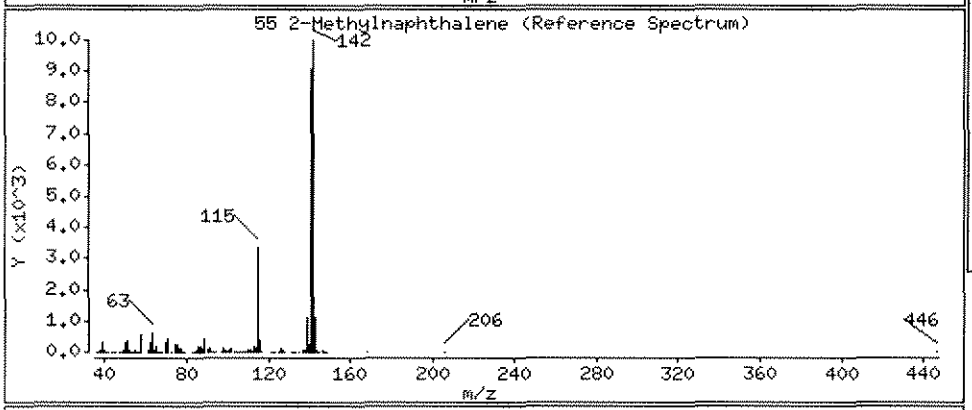
Volume Injected (uL): 1.0 Operator: MEC

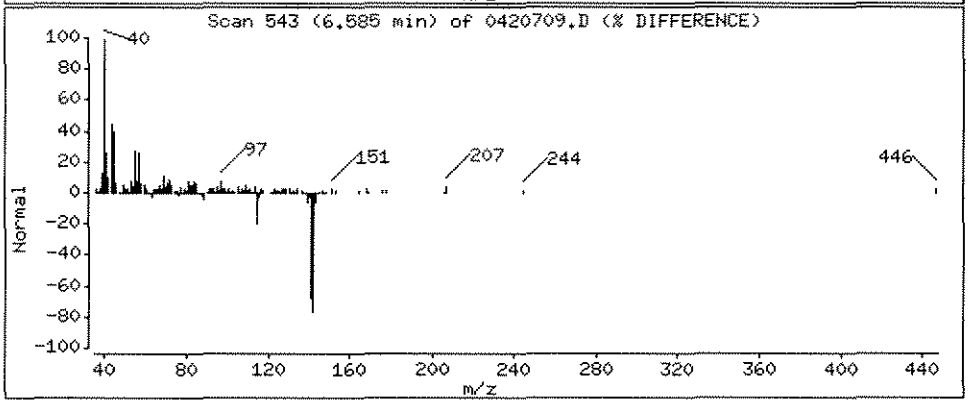
Column phase: fused silica Column diameter: 0.25

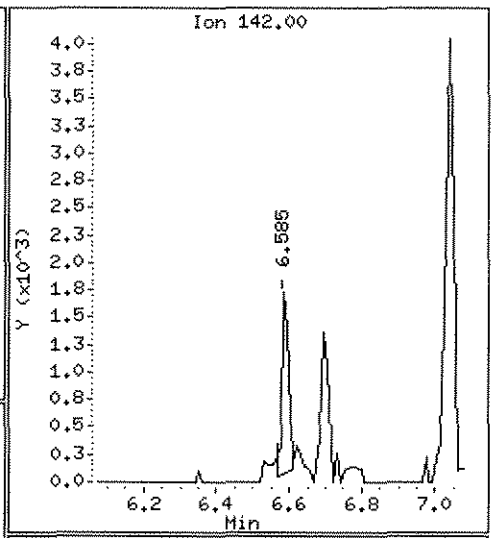
55 2-Methylnaphthalene Concentration: 0.02065 UG/L

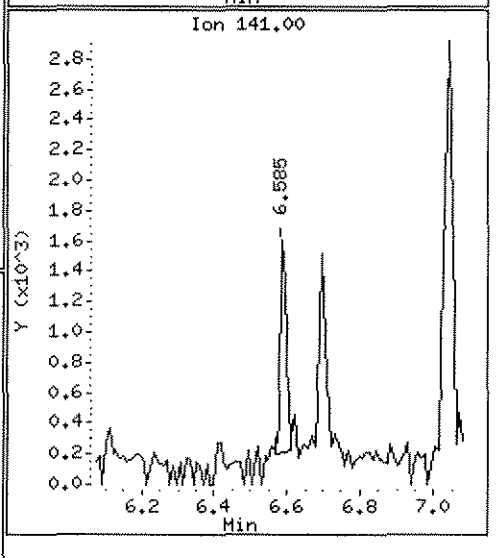












PREPARATION BENCH SHEET

1D19023

Empirical Laboratories, LLC

Printed: 4/28/2011 11:37:23AM

423

Matrix: Water **Prepared using: EXT - EXT_3510** **Surrogate used: 11C0153**

Lab Number	Cont ID	Test Code	Prepared	Initial (mL)	Final (mL)	Spike ID	Source ID	ul Spike	ul Surrogate	Extraction Comments
1104189-01	D	SMS_PAH_8270C_3510_LOW	04/20/2011 15:50	1080	1				500	
1104189-02	E	SMS_PAH_8270C_3510_LOW	04/20/2011 15:50	1080	1				500	
1104189-03	D	SMS_PAH_8270C_3510_LOW	04/20/2011 15:50	1080	1				500	
1104191-01	H	SMS_PAH_8270C_3510_LOW	04/20/2011 15:50	1080	1				500	
1104191-02	H	SMS_PAH_8270C_3510_LOW	04/20/2011 15:50	1080	1				500	
1104207-03	D	SMS_PAH_8270C_3510_LOW	04/20/2011 15:50	1080	1				0	
1104207-04	E	SMS_PAH_8270C_3510_LOW	04/20/2011 15:50	1080	1				0	
1104207-05	E	SMS_PAH_8270C_3510_LOW	04/20/2011 15:50	1080	1				0	
1104207-06	D	SMS_PAH_8270C_3510_LOW	04/20/2011 15:50	1080	1				0	
1104207-07	E	SMS_PAH_8270C_3510_LOW	04/20/2011 15:50	1040	1				0	
1104207-08	D	SMS_PAH_8270C_3510_LOW	04/20/2011 15:50	1070	1				0	
1104207-09	J	SMS_PAH_8270C_3510_LOW	04/20/2011 15:50	1070	1				0	
1104210-01	E	SMS_PAH_8270C_3510_LOW	04/20/2011 15:50	1080	1				0	
1104210-02	L	SMS_PAH_8270C_3510_LOW	04/20/2011 15:50	1080	1				0	
1104210-03	D	SMS_PAH_8270C_3510_LOW	04/20/2011 15:50	1080	1				0	
1D19023-BLK1		QC	04/20/2011 15:50	1000	1				500	
1D19023-BS1		QC	04/20/2011 15:50	1000	1	11D0468		1000	500	
1D19023-BSD1		QC	04/20/2011 15:50	1000	1	11D0468		1000	500	

Spiking Witnessed By Date

Preparation Reviewed By Date

Extracts Received By Date

CTOJM29_002

Data for FLPRO Forms

ANALYSIS SEQUENCE SUMMARY

FLPRO

Laboratory:	Empirical Laboratories, LLC	SDG:	CTOJM29_002
Client:	Tetra Tech NUS, Inc. (T010)	Project:	Saufley Field Site 4 CTOJM29
Sequence:	1D10403	Instrument:	GL-GCFID2
Calibration:	1104001		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Cal Standard	1D10403-CAL6	003F0101.D	04/13/11 15:31
Cal Standard	1D10403-CAL5	004F0201.D	04/13/11 16:14
Cal Standard	1D10403-CAL4	005F0301.D	04/13/11 16:56
Cal Standard	1D10403-CAL3	006F0401.D	04/13/11 17:39
Cal Standard	1D10403-CAL2	007F0501.D	04/13/11 18:21
Cal Standard	1D10403-CAL1	008F0601.D	04/13/11 19:04
Initial Cal Check	1D10403-ICV1	009F0701.D	04/13/11 19:46

ANALYSIS SEQUENCE SUMMARY

FLPRO

Laboratory:	Empirical Laboratories, LLC	SDG:	CTOJM29_002
Client:	Tetra Tech NUS, Inc. (T010)	Project:	Saufley Field Site 4 CTOJM29
Sequence:	1D11214	Instrument:	GL-GCFID2
Calibration:	1104001		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	1D11214-CCV1	012F1201.D	04/21/11 14:35
Blank	1D19026-BLK1	014F1401.D	04/21/11 16:00
LCS	1D19026-BS1	015F1501.D	04/21/11 16:43
LCS Dup	1D19026-BSD1	016F1601.D	04/21/11 17:25
Calibration Check	1D11214-CCV2	026F2601.D	04/22/11 00:28
Calibration Check	1D11214-CCV3	035F3501.D	04/22/11 06:48
FD04151101	1104207-04	038F3801.D	04/22/11 08:55
Calibration Check	1D11214-CCV4	039F3901.D	04/22/11 09:37

ANALYSIS SEQUENCE SUMMARY

FLPRO

Laboratory: Empirical Laboratories, LLC
SDG: CTOJM29_002
Client: Tetra Tech NUS, Inc. (T010)
Project: Saufley Field Site 4 CTOJM29
Sequence: 1D11502
Instrument: GL-GCFID2
Calibration: 1104001

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	1D11502-CCV1	018F1801.D	04/22/11 22:21
Calibration Check	1D11502-CCV2	028F2801.D	04/23/11 05:23
Blank	1D20020-BLK1	029F2901.D	04/23/11 06:05
LCS	1D20020-BS1	030F3001.D	04/23/11 06:47
LCS Dup	1D20020-BSD1	031F3101.D	04/23/11 07:29
OLFS4 MW14D	1104207-03	032F3201.D	04/23/11 08:12
OLFS4 MW31S	1104207-05	033F3301.D	04/23/11 08:54
OLFS4 MW29D	1104207-06	034F3401.D	04/23/11 09:37
OLFS4 MW02D	1104207-07	035F3501.D	04/23/11 10:19
OLFS4 MW03S	1104207-08	036F3601.D	04/23/11 11:01
FB04151101	1104207-09	037F3701.D	04/23/11 11:44
Calibration Check	1D11502-CCV3	041F4101.D	04/23/11 14:34

ANALYSIS DATA SHEET

OLFS4 MW14D

Laboratory:	Empirical Laboratories, LLC			SDG:	CTOJM29_002
Client:	Tetra Tech NUS, Inc. (T010)			Project:	Saufley Field Site 4 CTOJM29
Matrix:	Ground Water	Laboratory ID:	1104207-03	File ID:	032F3201.D
Sampled:	04/15/11 06:43	Prepared:	04/21/11 13:30	Analyzed:	04/23/11 08:12
Solids:		Preparation:	EXT_3510	Dilution:	1
Batch:	1D20020	Sequence:	1D11502	Calibration:	1104001
Instrument:	GL-GCFID2				

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
	Petroleum Range Organics		159	318	636	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	35.79	31.74	88.7	50 - 150	
o-Terphenyl	24.00	28.01	117	82 - 142	

ANALYSIS DATA SHEET

FD04151101

Laboratory:	Empirical Laboratories, LLC			SDG:	CTOJM29_002
Client:	Tetra Tech NUS, Inc. (T010)			Project:	Saufley Field Site 4 CTOJM29
Matrix:	Ground Water	Laboratory ID:	1104207-04	File ID:	038F3801.D
Sampled:	04/15/11 00:00	Prepared:	04/20/11 13:45	Analyzed:	04/22/11 08:55
Solids:		Preparation:	EXT_3510	Dilution:	1
Batch:	1D19026	Sequence:	1D11214	Calibration:	1104001
Instrument:	GL-GCFID2				

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
	Petroleum Range Organics		157	315	630	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	35.45	33.10	93.4	50 - 150	
o-Terphenyl	23.78	27.46	115	82 - 142	

ANALYSIS DATA SHEET

OLFS4 MW31S

Laboratory:	Empirical Laboratories, LLC			SDG:	CTOJM29_002
Client:	Tetra Tech NUS, Inc. (T010)			Project:	Saufley Field Site 4 CTOJM29
Matrix:	Ground Water	Laboratory ID:	1104207-05	File ID:	033F3301.D
Sampled:	04/15/11 08:10	Prepared:	04/21/11 13:30	Analyzed:	04/23/11 08:54
Solids:		Preparation:	EXT_3510	Dilution:	1
Batch:	1D20020	Sequence:	1D11502	Calibration:	1104001
Instrument:	GL-GCFID2				

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
	Petroleum Range Organics		159	318	636	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	35.79	34.77	97.2	50 - 150	
o-Terphenyl	24.00	26.53	111	82 - 142	

ANALYSIS DATA SHEET

OLFS4 MW29D

Laboratory:	Empirical Laboratories, LLC			SDG:	CTOJM29_002
Client:	Tetra Tech NUS, Inc. (T010)			Project:	Saufley Field Site 4 CTOJM29
Matrix:	Ground Water	Laboratory ID:	1104207-06	File ID:	034F3401.D
Sampled:	04/15/11 09:23	Prepared:	04/21/11 13:30	Analyzed:	04/23/11 09:37
Solids:		Preparation:	EXT_3510	Dilution:	1
Batch:	1D20020	Sequence:	1D11502	Calibration:	1104001
				Instrument:	GL-GCFID2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
	Petroleum Range Organics	463	157	315	630	I

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	35.45	33.27	93.8	50 - 150	
o-Terphenyl	23.78	28.03	118	82 - 142	

ANALYSIS DATA SHEET

OLFS4 MW02D

Laboratory:	Empirical Laboratories, LLC			SDG:	CTOJM29_002
Client:	Tetra Tech NUS, Inc. (T010)			Project:	Saufley Field Site 4 CTOJM29
Matrix:	Ground Water	Laboratory ID:	1104207-07	File ID:	035F3501.D
Sampled:	04/15/11 10:45	Prepared:	04/21/11 13:30	Analyzed:	04/23/11 10:19
Solids:		Preparation:	EXT_3510	Dilution:	1
Batch:	1D20020	Sequence:	1D11502	Calibration:	1104001
Instrument:	GL-GCFID2				

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
	Petroleum Range Organics		159	318	636	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	35.79	28.92	80.8	50 - 150	
o-Terphenyl	24.00	23.96	99.8	82 - 142	

ANALYSIS DATA SHEET

OLFS4 MW03S

Laboratory:	Empirical Laboratories, LLC			SDG:	CTOJM29_002
Client:	Tetra Tech NUS, Inc. (T010)			Project:	Saufley Field Site 4 CTOJM29
Matrix:	Ground Water	Laboratory ID:	1104207-08	File ID:	036F3601.D
Sampled:	04/15/11 11:43	Prepared:	04/21/11 13:30	Analyzed:	04/23/11 11:01
Solids:		Preparation:	EXT_3510	Dilution:	1
Batch:	1D20020	Sequence:	1D11502	Calibration:	1104001
Instrument:	GL-GCFID2				

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
	Petroleum Range Organics		157	315	630	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	35.45	30.07	84.8	50 - 150	
o-Terphenyl	23.78	26.05	110	82 - 142	

ANALYSIS DATA SHEET

FB04151101

Laboratory:	Empirical Laboratories, LLC			SDG:	CTOJM29_002
Client:	Tetra Tech NUS, Inc. (T010)			Project:	Saufley Field Site 4 CTOJM29
Matrix:	Ground Water	Laboratory ID:	1104207-09	File ID:	037F3701.D
Sampled:	04/15/11 14:58	Prepared:	04/21/11 13:30	Analyzed:	04/23/11 11:44
Solids:		Preparation:	EXT_3510	Dilution:	1
Batch:	1D20020	Sequence:	1D11502	Calibration:	1104001
Instrument:	GL-GCFID2				

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
	Petroleum Range Organics		157	315	630	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	35.45	31.34	88.4	50 - 150	
o-Terphenyl	23.78	27.73	117	82 - 142	

LCS / LCS DUPLICATE RECOVERY

FLPRO

Laboratory:	Empirical Laboratories, LLC	SDG:	CTOJM29_002
Client:	Tetra Tech NUS, Inc. (T010)	Project:	Saufley Field Site 4 CTOJM29
Matrix:	Water		
Batch:	1D19026	Laboratory ID:	1D19026-BS1
Preparation:	EXT_3510	Initial/Final:	1000 mL / 2 mL

ANALYTE	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC.	QC LIMITS REC.
Petroleum Range Organics	3200	3112	97.2	55 - 118

ANALYTE	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Petroleum Range Organics	3200	3040	95.0	2.34	30	55 - 118

LCS / LCS DUPLICATE RECOVERY

FLPRO

Laboratory:	Empirical Laboratories, LLC	SDG:	CTOJM29_002
Client:	Tetra Tech NUS, Inc. (T010)	Project:	Saufley Field Site 4 CTOJM29
Matrix:	Water		
Batch:	1D20020	Laboratory ID:	1D20020-BS1
Preparation:	EXT_3510	Initial/Final:	1000 mL / 2 mL

ANALYTE	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC.	QC LIMITS REC.
Petroleum Range Organics	3200	2771	86.6	55 - 118

ANALYTE	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Petroleum Range Organics	3200	2841	88.8	2.51	30	55 - 118

PREPARATION BATCH SUMMARY

FLPRO

Laboratory: Empirical Laboratories, LLC SDG: CTOJM29_002

Client: Tetra Tech NUS, Inc. (T010) Project: Saufley Field Site 4 CTOJM29

Batch: 1D19026 Batch Matrix: Water Preparation: EXT_3510

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
FD04151101	1104207-04	04/20/11 13:45	1,080.00	2.00
Blank	1D19026-BLK1	04/20/11 13:45	1,000.00	2.00
LCS	1D19026-BS1	04/20/11 13:45	1,000.00	2.00
LCS Dup	1D19026-BSD1	04/20/11 13:45	1,000.00	2.00

PREPARATION BATCH SUMMARY

FLPRO

Laboratory: Empirical Laboratories, LLC SDG: CTOJM29_002

Client: Tetra Tech NUS, Inc. (T010) Project: Saufley Field Site 4 CTOJM29

Batch: 1D20020 Batch Matrix: Water Preparation: EXT_3510

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
OLFS4 MW14D	1104207-03	04/21/11 13:30	1,070.00	2.00
OLFS4 MW31S	1104207-05	04/21/11 13:30	1,070.00	2.00
OLFS4 MW29D	1104207-06	04/21/11 13:30	1,080.00	2.00
OLFS4 MW02D	1104207-07	04/21/11 13:30	1,070.00	2.00
OLFS4 MW03S	1104207-08	04/21/11 13:30	1,080.00	2.00
FB04151101	1104207-09	04/21/11 13:30	1,080.00	2.00
Blank	1D20020-BLK1	04/21/11 13:30	1,000.00	2.00
LCS	1D20020-BS1	04/21/11 13:30	1,000.00	2.00
LCS Dup	1D20020-BSD1	04/21/11 13:30	1,000.00	2.00

INITIAL CALIBRATION STANDARDS

FLPRO

Laboratory:	Empirical Laboratories, LLC	SDG:	CTOJM29_002
Client:	Tetra Tech NUS, Inc. (T010)	Project:	Saufley Field Site 4 CTOJM29
Sequence:	1D10403	Instrument:	GL-GCFID2
Calibration:	1104001		

Standard ID	Description	Lab Sample ID	Lab File ID	Analysis Date/Time
11B0728	FLPRO CAL6 85ppm	1D10403-CAL6	003F0101.D	04/13/11 15:31
11B0727	FLPRO CAL5 850ppm	1D10403-CAL5	004F0201.D	04/13/11 16:14
11B0726	FLPRO CAL4 2550ppm	1D10403-CAL4	005F0301.D	04/13/11 16:56
11B0725	FLPRO CAL3 4250ppm	1D10403-CAL3	006F0401.D	04/13/11 17:39
11B0724	FLPRO CAL2 5950ppm	1D10403-CAL2	007F0501.D	04/13/11 18:21
11B0723	FLPRO CAL1 8500ppm	1D10403-CAL1	008F0601.D	04/13/11 19:04

INITIAL CALIBRATION DATA

FLPRO

Laboratory: Empirical Laboratories, LLC

SDG: CTOJM29_002

Client: Tetra Tech NUS, Inc. (T010)

Project: Saufley Field Site 4 CTOJM29

Calibration: 1104001

Instrument: GL-GCFID2

Matrix: Water

Calibration Dates: 4/13/11 15:31 4/13/11 19:04

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	mg/L	RF	mg/L	RF	mg/L	RF	mg/L	RF	mg/L	RF	mg/L	RF
Petroleum Range Organics	85	1579.718	850	1838.869	2550	1705.804	4250	1710.376	5950	1645.856	8500	1652.894
2-Fluorobiphenyl	5	2272.8	10	3009.6	15	3284.4	25	3118.36	35	3090.714	50	2747.06
o-Terphenyl	5	3426.8	10	3721.9	15	3804.2	25	3999.32	35	3939.572	50	3924.96

INITIAL CALIBRATION DATA (Continued)

FLPRO

Laboratory:	Empirical Laboratories, LLC	SDG:	CTOJM29_002
Client:	Tetra Tech NUS, Inc. (T010)	Project:	Saufley Field Site 4 CTOJM29
Calibration:	1104001	Instrument:	GL-GCFID2
Matrix:	Water	Calibration Dates:	4/13/11 15:31 4/13/11 19:04

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
Petroleum Range Organics	1688.919	5.182621	2.923	2.565533E-02			20	
2-Fluorobiphenyl	2920.489	12.42221	10.68433	0.709301			20	
o-Terphenyl	3802.792	5.518154	16.28583	7.880568E-02			20	

INITIAL CALIBRATION CHECK

FLPRO

Laboratory:	Empirical Laboratories, LLC	SDG:	CTOJM29_002
Client:	Tetra Tech NUS, Inc. (T010)	Project:	Saufley Field Site 4 CTOJM29
Instrument ID:	GL-GCFID2	Calibration:	1104001
Lab File ID:	009F0701.D	Calibration Date:	04/13/11 00:00
Sequence:	1D10403	Injection Date:	04/13/11
Lab Sample ID:	1D10403-ICV1	Injection Time:	19:46

		CONC. (mg/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)
Petroleum Range Organics	A	4000	4522	1688.919	1909.501		13.1	25

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

FLPRO

Laboratory:	Empirical Laboratories, LLC	SDG:	CTOJM29_002
Client:	Tetra Tech NUS, Inc. (T010)	Project:	Saufley Field Site 4 CTOJM29
Instrument ID:	GL-GCFID2	Calibration:	1104001
Lab File ID:	012F1201.D	Calibration Date:	04/13/11 00:00
Sequence:	1D11214	Injection Date:	04/21/11
Lab Sample ID:	1D11214-CCV1	Injection Time:	14:35

		CONC. (mg/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Petroleum Range Organics	A	4250	3800	1688.919	1509.994		-10.6	25
2-Fluorobiphenyl	A	25.00	20.93	2920.489	2445.2		-16.3	25
o-Terphenyl	A	25.00	23.41	3802.792	3561		-6.4	25

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

FLPRO

Laboratory:	Empirical Laboratories, LLC	SDG:	CTOJM29_002
Client:	Tetra Tech NUS, Inc. (T010)	Project:	Saufley Field Site 4 CTOJM29
Instrument ID:	GL-GCFID2	Calibration:	1104001
Lab File ID:	026F2601.D	Calibration Date:	04/13/11 00:00
Sequence:	1D11214	Injection Date:	04/22/11
Lab Sample ID:	1D11214-CCV2	Injection Time:	00:28

		CONC. (mg/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Petroleum Range Organics	A	4250	4055	1688.919	1611.352		-4.6	25
2-Fluorobiphenyl	A	25.00	21.34	2920.489	2493.52		-14.6	25
o-Terphenyl	A	25.00	22.10	3802.792	3362.24		-11.6	25

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

FLPRO

Laboratory:	Empirical Laboratories, LLC	SDG:	CTOJM29_002
Client:	Tetra Tech NUS, Inc. (T010)	Project:	Saufley Field Site 4 CTOJM29
Instrument ID:	GL-GCFID2	Calibration:	1104001
Lab File ID:	035F3501.D	Calibration Date:	04/13/11 00:00
Sequence:	1D11214	Injection Date:	04/22/11
Lab Sample ID:	1D11214-CCV3	Injection Time:	06:48

		CONC. (mg/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Petroleum Range Organics	A	4250	4015	1688.919	1595.455		-5.5	25
2-Fluorobiphenyl	A	25.00	21.62	2920.489	2526.04		-13.5	25
o-Terphenyl	A	25.00	22.17	3802.792	3371.72		-11.3	25

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

FLPRO

Laboratory:	Empirical Laboratories, LLC	SDG:	CTOJM29_002
Client:	Tetra Tech NUS, Inc. (T010)	Project:	Saufley Field Site 4 CTOJM29
Instrument ID:	GL-GCFID2	Calibration:	1104001
Lab File ID:	039F3901.D	Calibration Date:	04/13/11 00:00
Sequence:	1D11214	Injection Date:	04/22/11
Lab Sample ID:	1D11214-CCV4	Injection Time:	09:37

		CONC. (mg/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Petroleum Range Organics	A	4250	3957	1688.919	1572.663		-6.9	25
2-Fluorobiphenyl	A	25.00	21.67	2920.489	2531.04		-13.3	25
o-Terphenyl	A	25.00	22.41	3802.792	3408.84		-10.4	25

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

FLPRO

Laboratory:	Empirical Laboratories, LLC	SDG:	CTOJM29_002
Client:	Tetra Tech NUS, Inc. (T010)	Project:	Saufley Field Site 4 CTOJM29
Instrument ID:	GL-GCFID2	Calibration:	1104001
Lab File ID:	018F1801.D	Calibration Date:	04/13/11 00:00
Sequence:	1D11502	Injection Date:	04/22/11
Lab Sample ID:	1D11502-CCV1	Injection Time:	22:21

		CONC. (mg/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Petroleum Range Organics	A	4250	3896	1688.919	1548.174		-8.3	25
2-Fluorobiphenyl	A	25.00	20.40	2920.489	2382.6		-18.4	25
o-Terphenyl	A	25.00	23.69	3802.792	3604.16		-5.2	25

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

FLPRO

Laboratory:	Empirical Laboratories, LLC	SDG:	CTOJM29_002
Client:	Tetra Tech NUS, Inc. (T010)	Project:	Saufley Field Site 4 CTOJM29
Instrument ID:	GL-GCFID2	Calibration:	1104001
Lab File ID:	028F2801.D	Calibration Date:	04/13/11 00:00
Sequence:	1D11502	Injection Date:	04/23/11
Lab Sample ID:	1D11502-CCV2	Injection Time:	05:23

		CONC. (mg/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Petroleum Range Organics	A	4250	3907	1688.919	1552.72		-8.1	25
2-Fluorobiphenyl	A	25.00	20.25	2920.489	2366.08		-19.0	25
o-Terphenyl	A	25.00	23.42	3802.792	3563.04		-6.3	25

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

FLPRO

Laboratory:	Empirical Laboratories, LLC	SDG:	CTOJM29_002
Client:	Tetra Tech NUS, Inc. (T010)	Project:	Saufley Field Site 4 CTOJM29
Instrument ID:	GL-GCFID2	Calibration:	1104001
Lab File ID:	041F4101.D	Calibration Date:	04/13/11 00:00
Sequence:	1D11502	Injection Date:	04/23/11
Lab Sample ID:	1D11502-CCV3	Injection Time:	14:34

		CONC. (mg/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Petroleum Range Organics	A	4250	4057	1688.919	1612.302		-4.5	25
2-Fluorobiphenyl	A	25.00	21.32	2920.489	2490.68		-14.7	25
o-Terphenyl	A	25.00	22.60	3802.792	3437.52		-9.6	25

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

SURROGATE STANDARD RECOVERY AND RT SUMMARY

FLPRO

Laboratory: Empirical Laboratories, LLC
SDG: CTOJM29_002
Client: Tetra Tech NUS, Inc. (T010)
Project: Saufley Field Site 4 CTOJM29
Sequence: 1D11214
Instrument: GL-GCFID2
Calibration: 1104001

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Calibration Check (1D11214-CCV1) mg/L				Lab File ID: 012F1201.D		Analyzed: 04/21/11 14:35		
2-Fluorobiphenyl	25.00	83.7	75 - 125	10.61	10.61	0.0000	+/-0.050	
o-Terphenyl	25.00	93.6	75 - 125	16.236	16.236	0.0000	+/-0.050	
Blank (1D19026-BLK1) ug/L				Lab File ID: 014F1401.D		Analyzed: 04/21/11 16:00		
2-Fluorobiphenyl	50.00	70.7	50 - 150	10.673	10.61	0.0630	+/-0.050	*
o-Terphenyl	50.00	66.2	82 - 142	16.26	16.236	0.0240	+/-0.050	*
LCS (1D19026-BS1) ug/L				Lab File ID: 015F1501.D		Analyzed: 04/21/11 16:43		
2-Fluorobiphenyl	50.00	79.7	50 - 150	10.616	10.61	0.0060	+/-0.050	
o-Terphenyl	50.00	73.9	82 - 142	16.233	16.236	-0.0030	+/-0.050	*
LCS Dup (1D19026-BSD1) ug/L				Lab File ID: 016F1601.D		Analyzed: 04/21/11 17:25		
2-Fluorobiphenyl	50.00	73.9	50 - 150	10.623	10.61	0.0130	+/-0.050	
o-Terphenyl	50.00	74.0	82 - 142	16.236	16.236	0.0000	+/-0.050	*
Calibration Check (1D11214-CCV2) mg/L				Lab File ID: 026F2601.D		Analyzed: 04/22/11 00:28		
2-Fluorobiphenyl	25.00	85.4	75 - 125	10.623	10.61	0.0130	+/-0.050	
o-Terphenyl	25.00	88.4	75 - 125	16.243	16.236	0.0070	+/-0.050	
Calibration Check (1D11214-CCV3) mg/L				Lab File ID: 035F3501.D		Analyzed: 04/22/11 06:48		
2-Fluorobiphenyl	25.00	86.5	75 - 125	10.626	10.61	0.0160	+/-0.050	
o-Terphenyl	25.00	88.7	75 - 125	16.243	16.236	0.0070	+/-0.050	
FD04151101 (1104207-04) ug/L				Lab File ID: 038F3801.D		Analyzed: 04/22/11 08:55		
2-Fluorobiphenyl	35.45	93.4	50 - 150	10.75	10.61	0.1400	+/-0.050	*
o-Terphenyl	23.78	115	82 - 142	16.29	16.236	0.0540	+/-0.050	*
Calibration Check (1D11214-CCV4) mg/L				Lab File ID: 039F3901.D		Analyzed: 04/22/11 09:37		
2-Fluorobiphenyl	25.00	86.7	75 - 125	10.623	10.61	0.0130	+/-0.050	
o-Terphenyl	25.00	89.6	75 - 125	16.24	16.236	0.0040	+/-0.050	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

FLPRO

Laboratory: Empirical Laboratories, LLC
SDG: CTOJM29_002
Client: Tetra Tech NUS, Inc. (T010)
Project: Saufley Field Site 4 CTOJM29
Sequence: 1D11502
Instrument: GL-GCFID2
Calibration: 1104001

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Calibration Check (1D11502-CCV1) mg/L				Lab File ID: 018F1801.D		Analyzed: 04/22/11 22:21		
2-Fluorobiphenyl	25.00	81.6	75 - 125	10.613	10.613	0.0000	+/-0.050	
o-Terphenyl	25.00	94.8	75 - 125	16.236	16.236	0.0000	+/-0.050	
Calibration Check (1D11502-CCV2) mg/L				Lab File ID: 028F2801.D		Analyzed: 04/23/11 05:23		
2-Fluorobiphenyl	25.00	81.0	75 - 125	10.616	10.613	0.0030	+/-0.050	
o-Terphenyl	25.00	93.7	75 - 125	16.24	16.236	0.0040	+/-0.050	
Blank (1D20020-BLK1) ug/L				Lab File ID: 029F2901.D		Analyzed: 04/23/11 06:05		
2-Fluorobiphenyl	38.29	93.1	50 - 150	10.736	10.613	0.1230	+/-0.050	*
o-Terphenyl	25.68	136	82 - 142	16.27	16.236	0.0340	+/-0.050	
LCS (1D20020-BS1) ug/L				Lab File ID: 030F3001.D		Analyzed: 04/23/11 06:47		
2-Fluorobiphenyl	38.29	88.6	50 - 150	10.64	10.613	0.0270	+/-0.050	
o-Terphenyl	25.68	135	82 - 142	16.236	16.236	0.0000	+/-0.050	
LCS Dup (1D20020-BSD1) ug/L				Lab File ID: 031F3101.D		Analyzed: 04/23/11 07:29		
2-Fluorobiphenyl	38.29	89.7	50 - 150	10.64	10.613	0.0270	+/-0.050	
o-Terphenyl	25.68	136	82 - 142	16.236	16.236	0.0000	+/-0.050	
OLFS4 MW14D (1104207-03) ug/L				Lab File ID: 032F3201.D		Analyzed: 04/23/11 08:12		
2-Fluorobiphenyl	35.79	88.7	50 - 150	10.773	10.613	0.1600	+/-0.050	*
o-Terphenyl	24.00	117	82 - 142	16.286	16.236	0.0500	+/-0.050	
OLFS4 MW31S (1104207-05) ug/L				Lab File ID: 033F3301.D		Analyzed: 04/23/11 08:54		
2-Fluorobiphenyl	35.79	97.2	50 - 150	10.71	10.613	0.0970	+/-0.050	*
o-Terphenyl	24.00	111	82 - 142	16.283	16.236	0.0470	+/-0.050	
OLFS4 MW29D (1104207-06) ug/L				Lab File ID: 034F3401.D		Analyzed: 04/23/11 09:37		
2-Fluorobiphenyl	35.45	93.8	50 - 150	10.616	10.613	0.0030	+/-0.050	
o-Terphenyl	23.78	118	82 - 142	16.283	16.236	0.0470	+/-0.050	
OLFS4 MW02D (1104207-07) ug/L				Lab File ID: 035F3501.D		Analyzed: 04/23/11 10:19		
2-Fluorobiphenyl	35.79	80.8	50 - 150	10.813	10.613	0.2000	+/-0.050	*
o-Terphenyl	24.00	99.8	82 - 142	16.303	16.236	0.0670	+/-0.050	*
OLFS4 MW03S (1104207-08) ug/L				Lab File ID: 036F3601.D		Analyzed: 04/23/11 11:01		
2-Fluorobiphenyl	35.45	84.8	50 - 150	10.803	10.613	0.1900	+/-0.050	*
o-Terphenyl	23.78	110	82 - 142	16.296	16.236	0.0600	+/-0.050	*
FB04151101 (1104207-09) ug/L				Lab File ID: 037F3701.D		Analyzed: 04/23/11 11:44		
2-Fluorobiphenyl	35.45	88.4	50 - 150	10.78	10.613	0.1670	+/-0.050	*
o-Terphenyl	23.78	117	82 - 142	16.293	16.236	0.0570	+/-0.050	*

SURROGATE STANDARD RECOVERY AND RT SUMMARY

FLPRO

Laboratory: Empirical Laboratories, LLC
SDG: CTOJM29_002
Client: Tetra Tech NUS, Inc. (T010)
Project: Saufley Field Site 4 CTOJM29
Sequence: 1D11502
Instrument: GL-GCFID2
Calibration: 1104001

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Calibration Check (1D11502-CCV3) mg/L				Lab File ID: 041F4101.D		Analyzed: 04/23/11 14:34		
2-Fluorobiphenyl	25.00	85.3	75 - 125	10.613	10.613	0.0000	+/-0.050	
o-Terphenyl	25.00	90.4	75 - 125	16.233	16.236	-0.0030	+/-0.050	

HOLDING TIME SUMMARY
FLPRO

Laboratory: Empirical Laboratories, LLC
SDG: CTOJM29_002
Client: Tetra Tech NUS, Inc. (T010)
Project: Saufley Field Site 4 CTOJM29

Sample Name	Date Collected	Date Received	Date Prepared	Days to Prep	Max Days to Prep	Date Analyzed	Days to Analysis	Max Days to Analysis	Q
OLFS4 MW14D	04/15/11 06:43	04/18/11 15:45	04/21/11 13:30	6.32	7.00	04/23/11 08:12	1.78	40.00	
FD04151101	04/15/11 00:00	04/18/11 15:45	04/20/11 13:45	5.61	7.00	04/22/11 08:55	1.80	40.00	
OLFS4 MW31S	04/15/11 08:10	04/18/11 15:45	04/21/11 13:30	6.26	7.00	04/23/11 08:54	1.81	40.00	
OLFS4 MW29D	04/15/11 09:23	04/18/11 15:45	04/21/11 13:30	6.21	7.00	04/23/11 09:37	1.84	40.00	
OLFS4 MW02D	04/15/11 10:45	04/18/11 15:45	04/21/11 13:30	6.16	7.00	04/23/11 10:19	1.87	40.00	
OLFS4 MW03S	04/15/11 11:43	04/18/11 15:45	04/21/11 13:30	6.12	7.00	04/23/11 11:01	1.90	40.00	
FB04151101	04/15/11 14:58	04/18/11 15:45	04/21/11 13:30	5.98	7.00	04/23/11 11:44	1.93	40.00	

ANALYSIS DATA SHEET

Blank

Laboratory: Empirical Laboratories, LLC SDG: CTOJM29_002

Client: Tetra Tech NUS, Inc. (T010) Project: Saufley Field Site 4 CTOJM29

Matrix: Laboratory ID: 1D19026-BLK1 File ID: 014F1401.D

Sampled: Prepared: Analyzed: 04/21/11 16:00

Solids: Preparation: EXT_3510 Dilution:

Batch: 1D19026 Sequence: 1D11214 Calibration: 1104001 Instrument: GL-GCFID2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
	Petroleum Range Organics		170	340	680	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	50.00	35.35	70.7	50 - 150	
o-Terphenyl	50.00	33.09	66.2	82 - 142	

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC SDG: CTOJM29_002

Client: Tetra Tech NUS, Inc. (T010) Project: Saufley Field Site 4 CTOJM29

Matrix: Laboratory ID: 1D19026-BS1 File ID: 015F1501.D

Sampled: Prepared: Analyzed: 04/21/11 16:43

Solids: Preparation: EXT_3510 Dilution:

Batch: 1D19026 Sequence: 1D11214 Calibration: 1104001 Instrument: GL-GCFID2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
	Petroleum Range Organics	3112	170	340	680	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	50.00	39.87	79.7	50 - 150	
o-Terphenyl	50.00	36.94	73.9	82 - 142	

ANALYSIS DATA SHEET

LCS Dup

Laboratory: Empirical Laboratories, LLC
SDG: CTOJM29_002
Client: Tetra Tech NUS, Inc. (T010)
Project: Saufley Field Site 4 CTOJM29
Matrix:
Laboratory ID: 1D19026-BSD1
File ID: 016F1601.D
Sampled:
Prepared:
Analyzed: 04/21/11 17:25
Solids:
Preparation: EXT_3510
Dilution:
Batch: 1D19026
Sequence: 1D11214
Calibration: 1104001
Instrument: GL-GCFID2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
	Petroleum Range Organics	3040	170	340	680	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	50.00	36.95	73.9	50 - 150	
o-Terphenyl	50.00	37.00	74.0	82 - 142	

ANALYSIS DATA SHEET

Blank

Laboratory: Empirical Laboratories, LLC SDG: CTOJM29_002

Client: Tetra Tech NUS, Inc. (T010) Project: Saufley Field Site 4 CTOJM29

Matrix: Laboratory ID: 1D20020-BLK1 File ID: 029F2901.D

Sampled: Prepared: Analyzed: 04/23/11 06:05

Solids: Preparation: EXT_3510 Dilution:

Batch: 1D20020 Sequence: 1D11502 Calibration: 1104001 Instrument: GL-GCFID2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
	Petroleum Range Organics		170	340	680	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	38.29	35.65	93.1	50 - 150	
o-Terphenyl	25.68	35.02	136	82 - 142	

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC SDG: CTOJM29_002

Client: Tetra Tech NUS, Inc. (T010) Project: Saufley Field Site 4 CTOJM29

Matrix: Laboratory ID: 1D20020-BS1 File ID: 030F3001.D

Sampled: Prepared: Analyzed: 04/23/11 06:47

Solids: Preparation: EXT_3510 Dilution:

Batch: 1D20020 Sequence: 1D11502 Calibration: 1104001 Instrument: GL-GCFID2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
	Petroleum Range Organics	2771	170	340	680	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	38.29	33.93	88.6	50 - 150	
o-Terphenyl	25.68	34.55	135	82 - 142	

ANALYSIS DATA SHEET

LCS Dup

Laboratory: Empirical Laboratories, LLC
SDG: CTOJM29_002
Client: Tetra Tech NUS, Inc. (T010)
Project: Saufley Field Site 4 CTOJM29
Matrix:
Laboratory ID: 1D20020-BSD1
File ID: 031F3101.D
Sampled:
Prepared:
Analyzed: 04/23/11 07:29
Solids:
Preparation: EXT_3510
Dilution:
Batch: 1D20020
Sequence: 1D11502
Calibration: 1104001
Instrument: GL-GCFID2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
	Petroleum Range Organics	2841	170	340	680	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	38.29	34.36	89.7	50 - 150	
o-Terphenyl	25.68	34.82	136	82 - 142	

METHOD DETECTION AND REPORTING LIMITS

Laboratory: Empirical Laboratories, LLC **SDG:** CTOJM29_002

Client: Tetra Tech NUS, Inc. (T010) **Project:** Saufley Field Site 4 CTOJM29

Matrix: Water **Instrument:** GL-GCFID2

Analyte	MDL	MRL	Units	Method
Petroleum Range Organics	170	680	ug/L	FLPRO

Data for FLPRO
Supporting Raw Data / Logs

Sequence: C:\HPCHEM\FID2\SEQUENCE\041311.S \FLPRO

P. 397
Jessica Jones
4.14.11

Sequence Table (Front Injector):

Quantification Part:

Line	Location	SampleName	SampleAmount	ISTDAmt	Multiplier	Dilution
1	Vial 1	INS BLK				
2	Vial 2	SEQ-CCVTEST				
3	Vial 3	SEQ-CAL6	11B0728			
4	Vial 4	SEQ-CAL5	11B0727			
5	Vial 5	SEQ-CAL4	11B0726			
6	Vial 6	SEQ-CAL3	11B0725			
7	Vial 7	SEQ-CAL2	11B0724			
8	Vial 8	SEQ-CAL1	11B0723			
9	Vial 9	SEQ-ICV1	11B0754			
10	Vial 10	SEQ-CCV1	11B0607			
11	Vial 11	1D13010-BLK1	H107.8-10;H119.1,2			
12	Vial 12	1D13010-BS1				
13	Vial 13	1D13010-BSD1				
14	Vial 14	1104107-08				
15	Vial 15	1104107-09				
16	Vial 16	1104107-10				
17	Vial 17	1104119-01				
18	Vial 18	1104119-02				
19	Vial 19	1D11006-BLK1	4050-11;4084.6			
20	Vial 20	1D11006-BS1				
21	Vial 21	1D11006-BSD1				
22	Vial 22	1104050-11				
23	Vial 23	1104084-06				
24	Vial 24	SEQ-CCV2	11B0607			

FLPRO CURVE USED & SAVED
SEQ: 1D10403
CAL: 1104001

Re-extracting

Re-ext. - use as PRELIM. ONLY

1 x

SEQ: 1D10404

Sequence Table (Back Injector):

No entries - empty table!

PRO: 2.923-25.377
DF: 10.643
OTP: 16.977

4.14.11

Laboratory Name

Data file : \\ELABNSH05\TARGET\chem\gcfid2.i\041311.b\003F0101.D
Lab Smp Id: SEQ-CAL6
Inj Date : 13-APR-2011 15:31
Operator : JLS Inst ID: gcfid2.i
Smp Info : SEQ-CAL6
Misc Info :
Comment :
Method : \\ELABNSH05\TARGET\chem\gcfid2.i\041311.b\FLPROF.m
Meth Date : 14-Apr-2011 09:55 jsales Quant Type: ESTD
Cal Date : 23-DEC-2008 17:56 Cal File: 004R0201.D
Als bottle: 3 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: PROSURR.sub
Target Version: 4.04
Processing Host: TARGET07_VM

	Compounds	RT	EXP RT	DLT RT	RESPONSE		AMOUNTS CAL-AMT (mg/L)	AMOUNTS ON-COL (mg/L)
S	1 Petroleum Range	2.923-25.377			134276		85.0000	79.50
$	2 2-Fluorobiphenyl	10.823	10.643	0.180	11364		5.00000	3.891
$	3 Ortho-Terphenyl	16.310	16.277	0.033	17134	*	5.00000	4.506

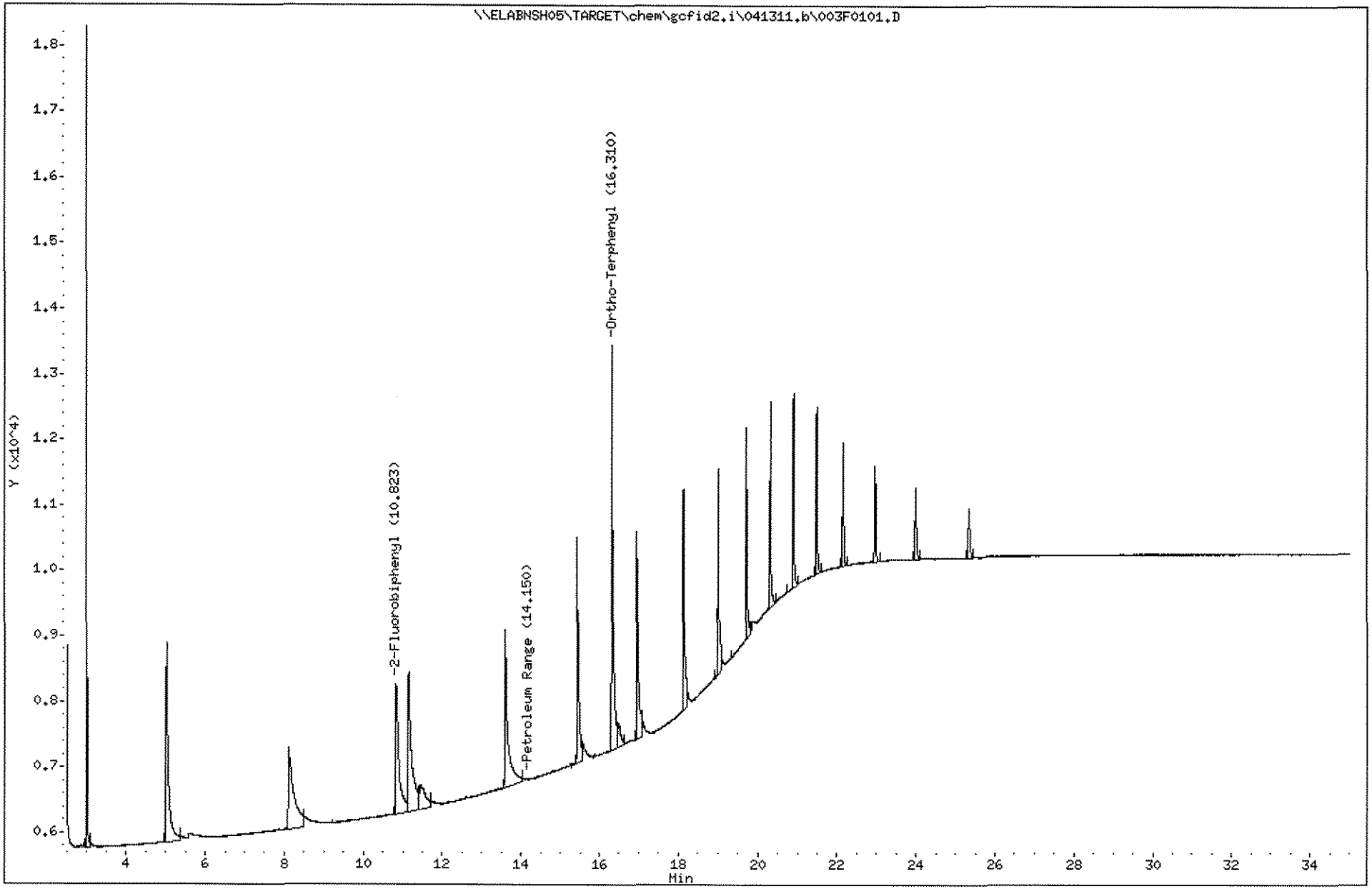
04/18/11

Data File: \\ELABNSH05\TARGET\chem\gcfid2.i\041311.b\003F0101.D
Date : 13-APR-2011 15:31
Client ID:
Sample Info: SEQ-CAL6

Instrument: gcfid2.i

Operator: JLS
Column diameter: 0.32

Column phase: ZB-5ms



JLS 4-14-11

Laboratory Name

Data file : \\ELABNSH05\TARGET\chem\gcfid2.i\041311.b\004F0201.D
Lab Smp Id: SEQ-CAL5
Inj Date : 13-APR-2011 16:14
Operator : JLS Inst ID: gcfid2.i
Smp Info : SEQ-CAL5
Misc Info :
Comment :
Method : \\ELABNSH05\TARGET\chem\gcfid2.i\041311.b\FLPROF.m
Meth Date : 14-Apr-2011 09:55 jsales Quant Type: ESTD
Cal Date : 23-DEC-2008 17:56 Cal File: 004R0201.D
Als bottle: 4 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: PROSURR.sub
Target Version: 4.04
Processing Host: TARGET07_VM

						AMOUNTS	
						CAL-AMT	ON-COL
	Compounds	RT	EXP RT	DLT RT	RESPONSE	(mg/L)	(mg/L)
S	1 Petroleum Range	2.923-25.377			1563039	850.000	925.5
$	2 2-Fluorobiphenyl	10.710	10.643	0.067	30096	*10.0000	10.30
$	3 Ortho-Terphenyl	16.283	16.277	0.006	37219	10.0000	9.787

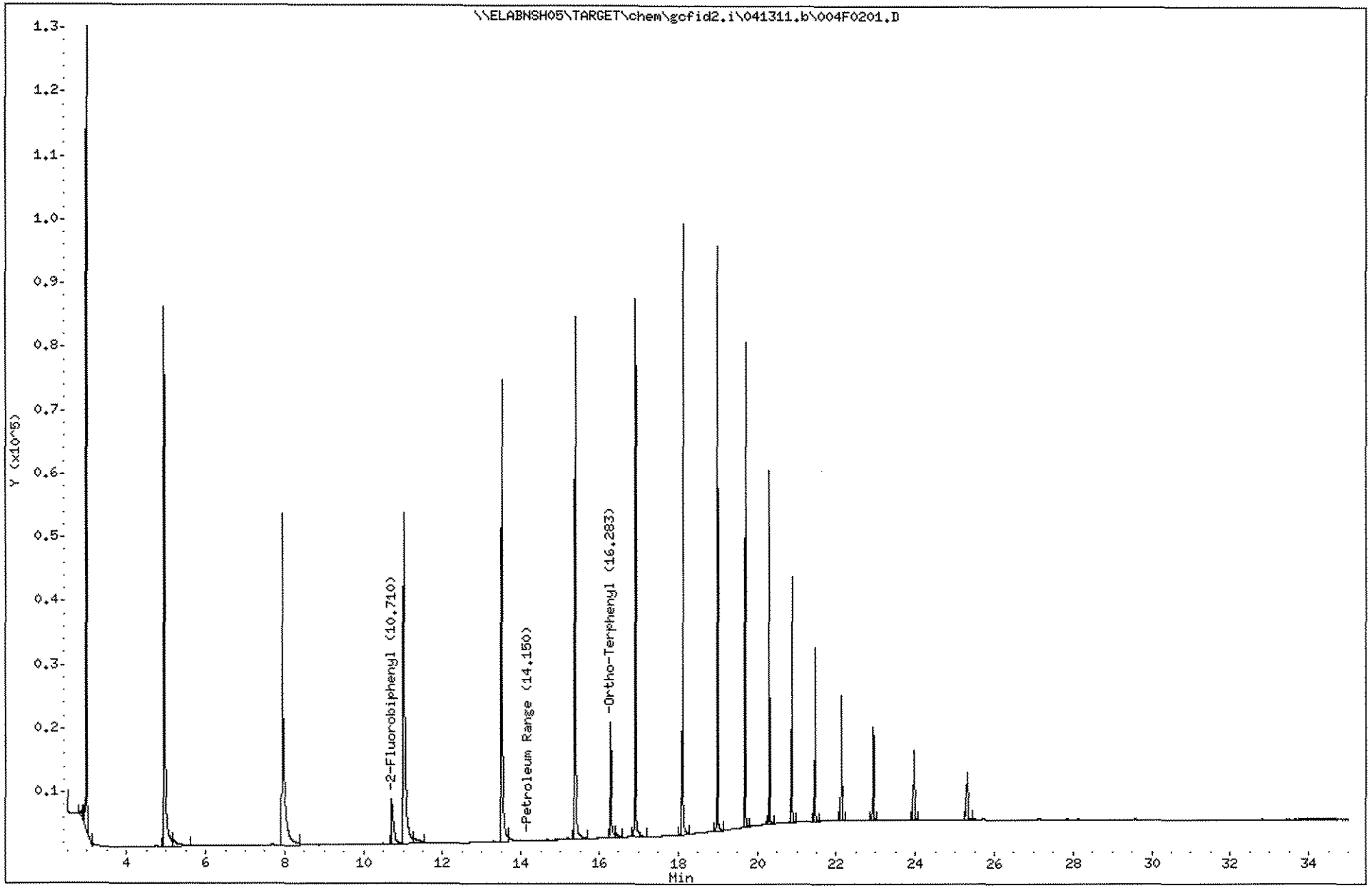
04/18/11

Data File: \\ELABNSH05\TARGET\chem\gcfid2.i\041311.b\004F0201.D
Date : 13-APR-2011 16:14
Client ID:
Sample Info: SEQ-CAL5

Instrument: gcfid2.i

Operator: JLS
Column diameter: 0.32

Column phase: ZB-5ms



JLS 4.14.11

Laboratory Name

Data file : \\ELABNSH05\TARGET\chem\gcfid2.i\041311.b\005F0301.D
Lab Smp Id: SEQ-CAL4
Inj Date : 13-APR-2011 16:56
Operator : JLS Inst ID: gcfid2.i
Smp Info : SEQ-CAL4
Misc Info :
Comment :
Method : \\ELABNSH05\TARGET\chem\gcfid2.i\041311.b\FLPROF.m
Meth Date : 14-Apr-2011 09:55 jsales Quant Type: ESTD
Cal Date : 23-DEC-2008 17:56 Cal File: 004R0201.D
Als bottle: 5 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: PROSURR.sub
Target Version: 4.04
Processing Host: TARGET07_VM

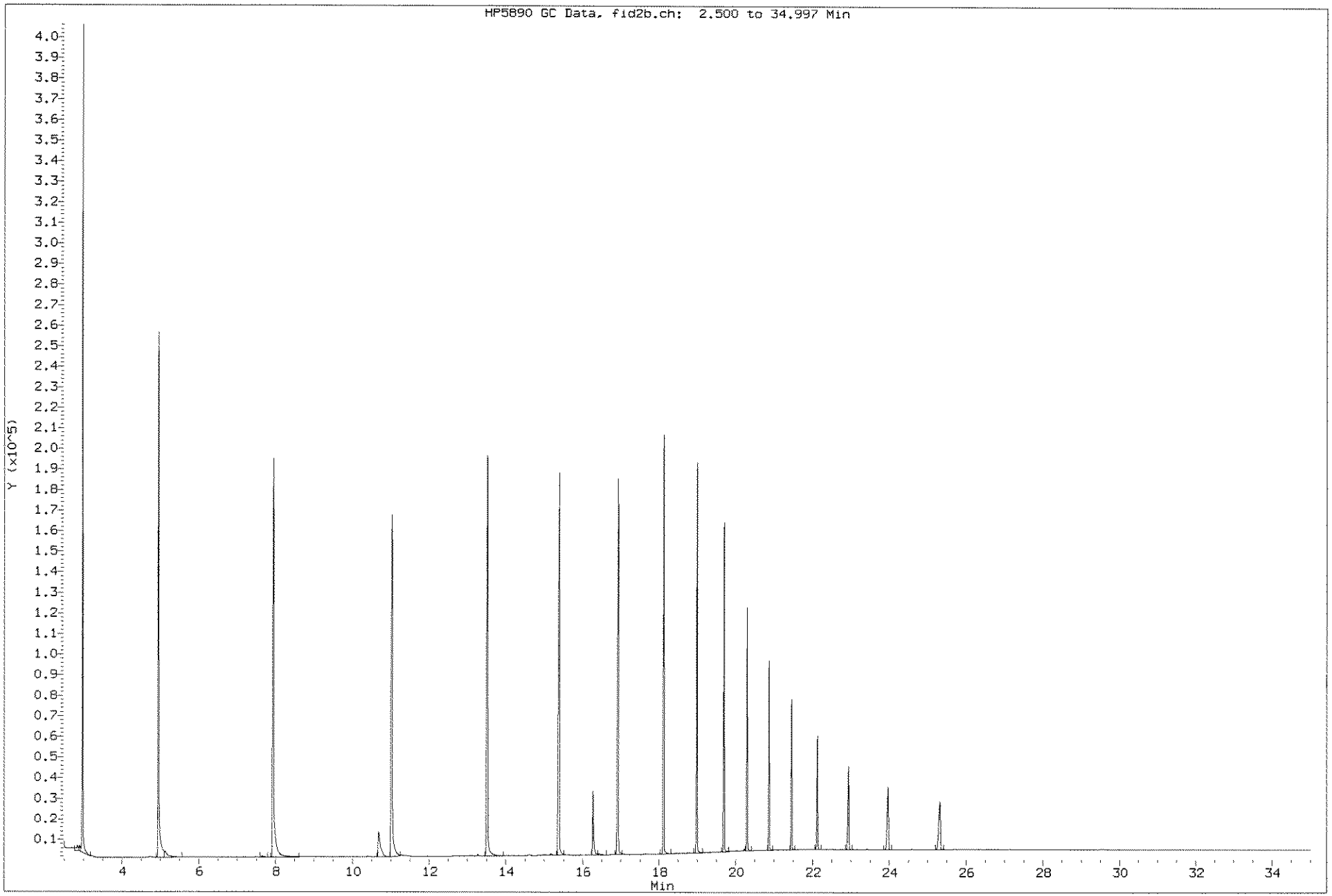
Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (mg/L)	ON-COL (mg/L)
S 1 Petroleum Range	2.923-25.377			4349799	* 2550.00	2575(M)
$ 2 2-Fluorobiphenyl	10.680	10.643	0.037	49266	15.0000	16.87(M)
$ 3 Ortho-Terphenyl	16.276	16.277	-0.001	57063	15.0000	15.00

QC Flag Legend

M - Compound response manually integrated.

04/18/11

Data File: \\ELABNSHO5\TARGET\chem\gcfid2.i\041311.b\005F0301.D
Injection Date: 13-APR-2011 16:56
Instrument: gcfid2.i
Client Sample ID:

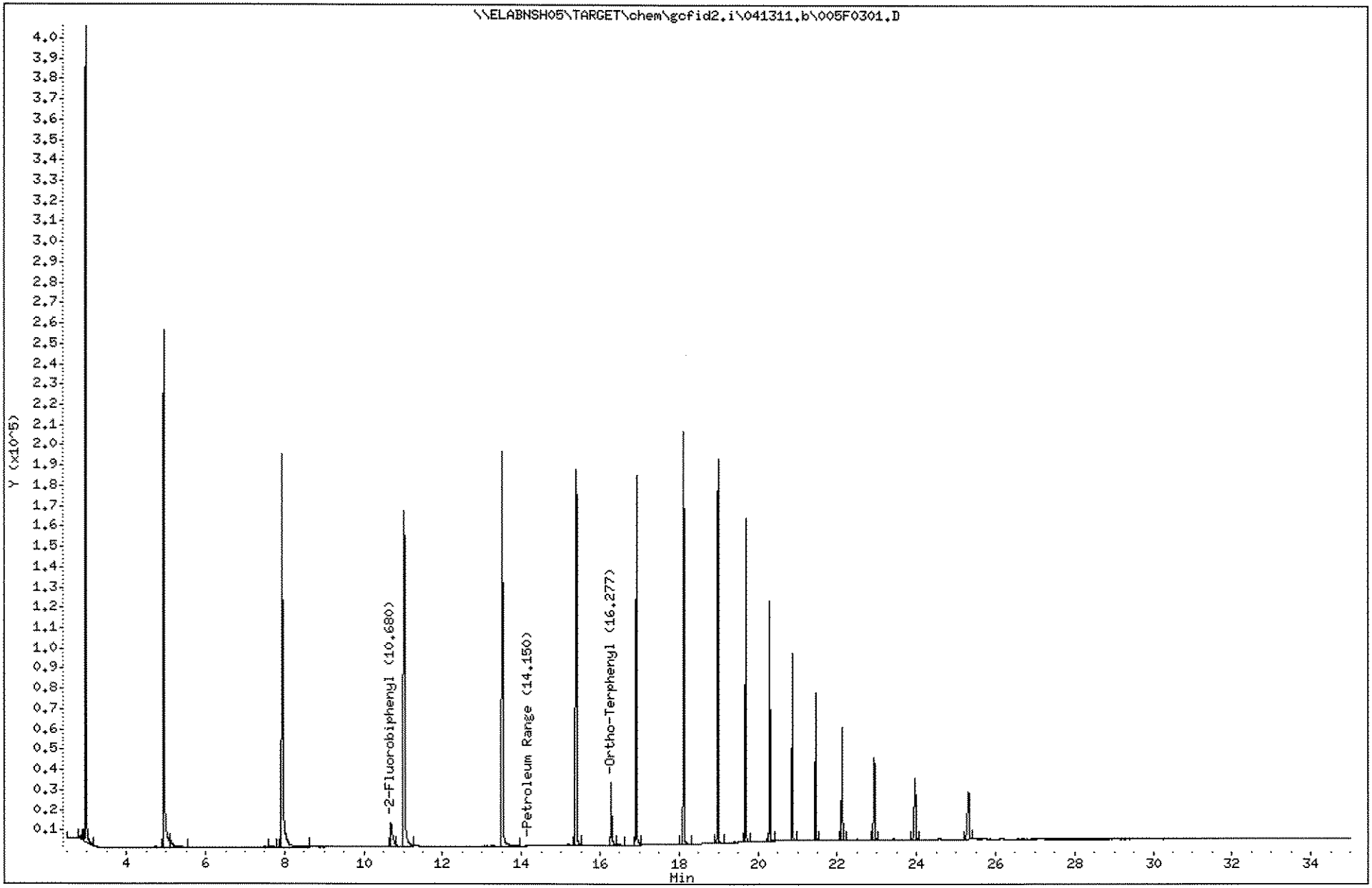


Data File: \\ELABNSH05\TARGET\chem\gcfid2.i\041311.b\005F0301.D
Date : 13-APR-2011 16:56
Client ID:
Sample Info: SEQ-CAL4

Column phase: ZB-5ms

Instrument: gcfid2.i

Operator: JLS
Column diameter: 0.32



JLS 4.14.11

Laboratory Name

Data file : \\ELABNSH05\TARGET\chem\gcfid2.i\041311.b\006F0401.D
Lab Smp Id: SEQ-CAL3
Inj Date : 13-APR-2011 17:39
Operator : JLS Inst ID: gcfid2.i
Smp Info : SEQ-CAL3
Misc Info :
Comment :
Method : \\ELABNSH05\TARGET\chem\gcfid2.i\041311.b\FLPROF.m
Meth Date : 14-Apr-2011 09:55 jsales Quant Type: ESTD
Cal Date : 23-DEC-2008 17:56 Cal File: 004R0201.D
Als bottle: 6 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: PROSURR.sub
Target Version: 4.04
Processing Host: TARGET07_VM

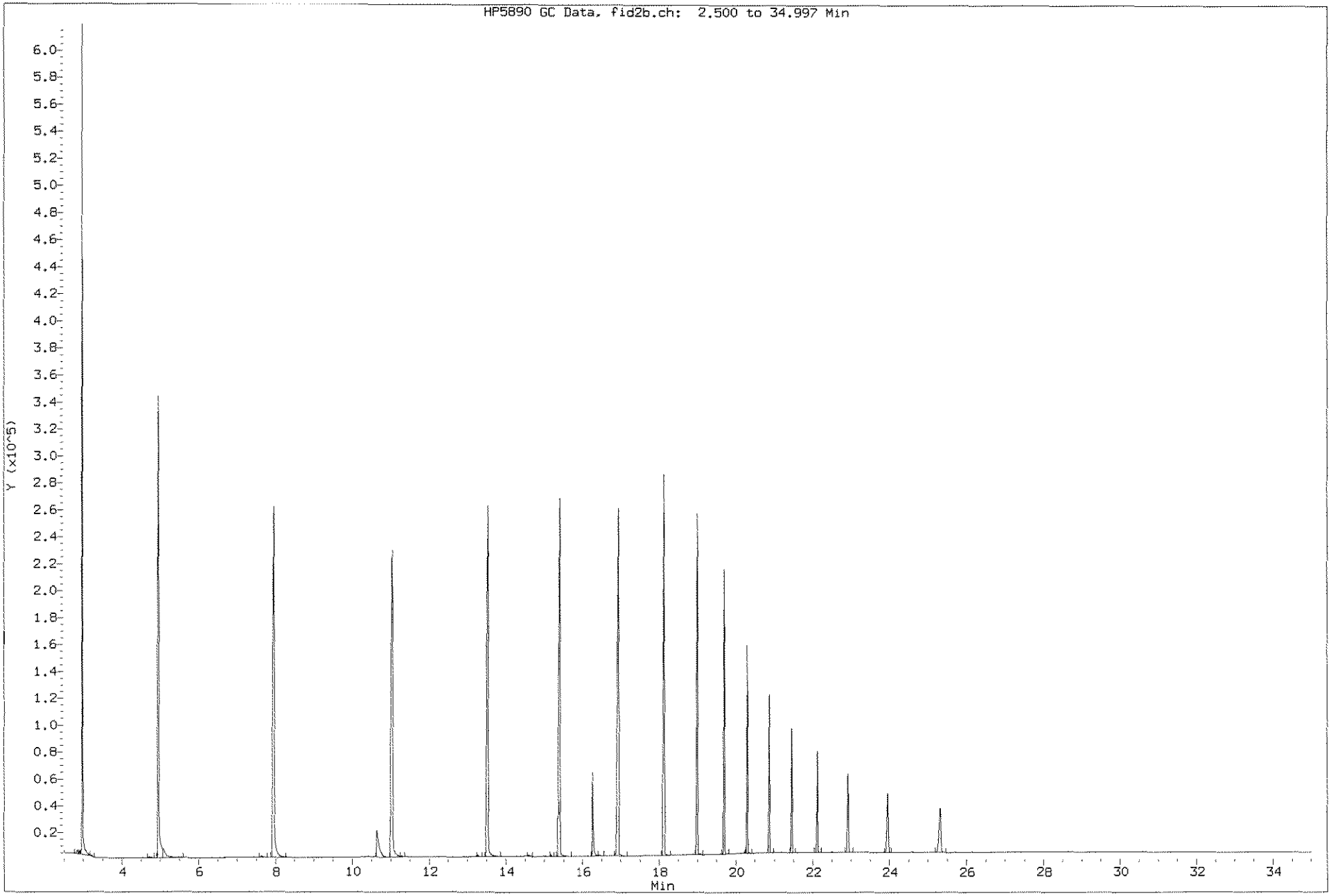
	Compounds	RT	EXP RT	DLT RT	RESPONSE		AMOUNTS CAL-AMT (mg/L)	AMOUNTS ON-COL (mg/L)
S	1 Petroleum Range	2.923-25.377			7269097		4250.00	4304(M)
$	2 2-Fluorobiphenyl	10.643	10.643	0.000	77959		25.0000	26.69(M)
$	3 Ortho-Terphenyl	16.276	16.277	-0.001	99983	*	25.0000	26.29

QC Flag Legend

M - Compound response manually integrated.

04/18/11

Data File: \\ELABNSH05\TARGET\chem\gcfid2.i\041311.b\006F0401.D
Injection Date: 13-APR-2011 17:39
Instrument: gcfid2.i
Client Sample ID:



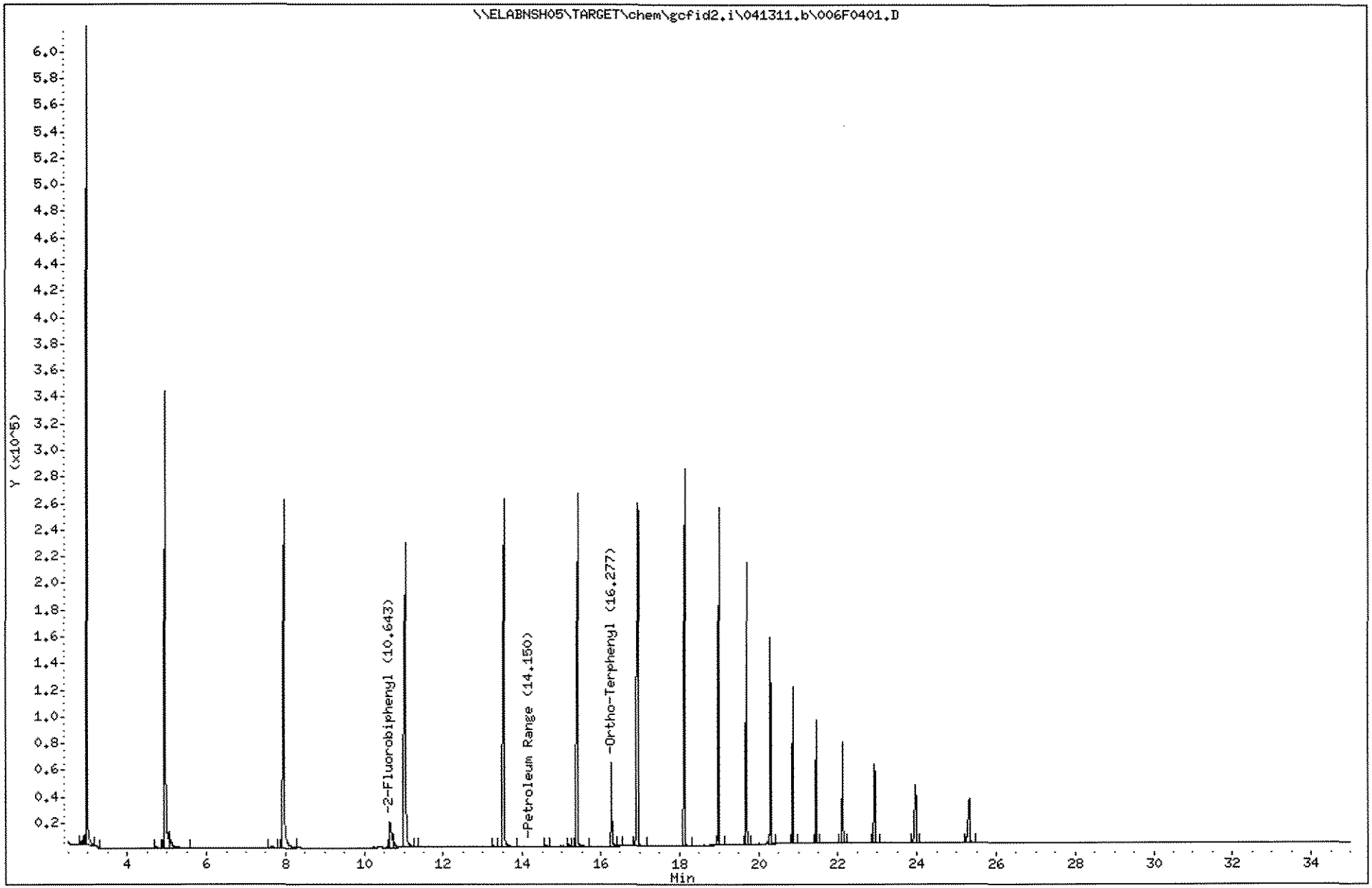
CTOJM29_002

Data File: \\ELABNSH05\TARGET\chem\gcfid2.i\041311.b\006F0401.D
Date : 13-APR-2011 17:39
Client ID:
Sample Info: SEQ-CAL3

Column phase: ZB-5ms

Instrument: gcfid2.i

Operator: JLS
Column diameter: 0.32



JLS 4.14.11

Laboratory Name

Data file : \\ELABNSH05\TARGET\chem\gcfid2.i\041311.b\007F0501.D
Lab Smp Id: SEQ-CAL2
Inj Date : 13-APR-2011 18:21
Operator : JLS Inst ID: gcfid2.i
Smp Info : SEQ-CAL2
Misc Info :
Comment :
Method : \\ELABNSH05\TARGET\chem\gcfid2.i\041311.b\FLPROF.m
Meth Date : 14-Apr-2011 09:55 jsales Quant Type: ESTD
Cal Date : 23-DEC-2008 17:56 Cal File: 004R0201.D
Als bottle: 7 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: PROSURR.sub
Target Version: 4.04
Processing Host: TARGET07_VM

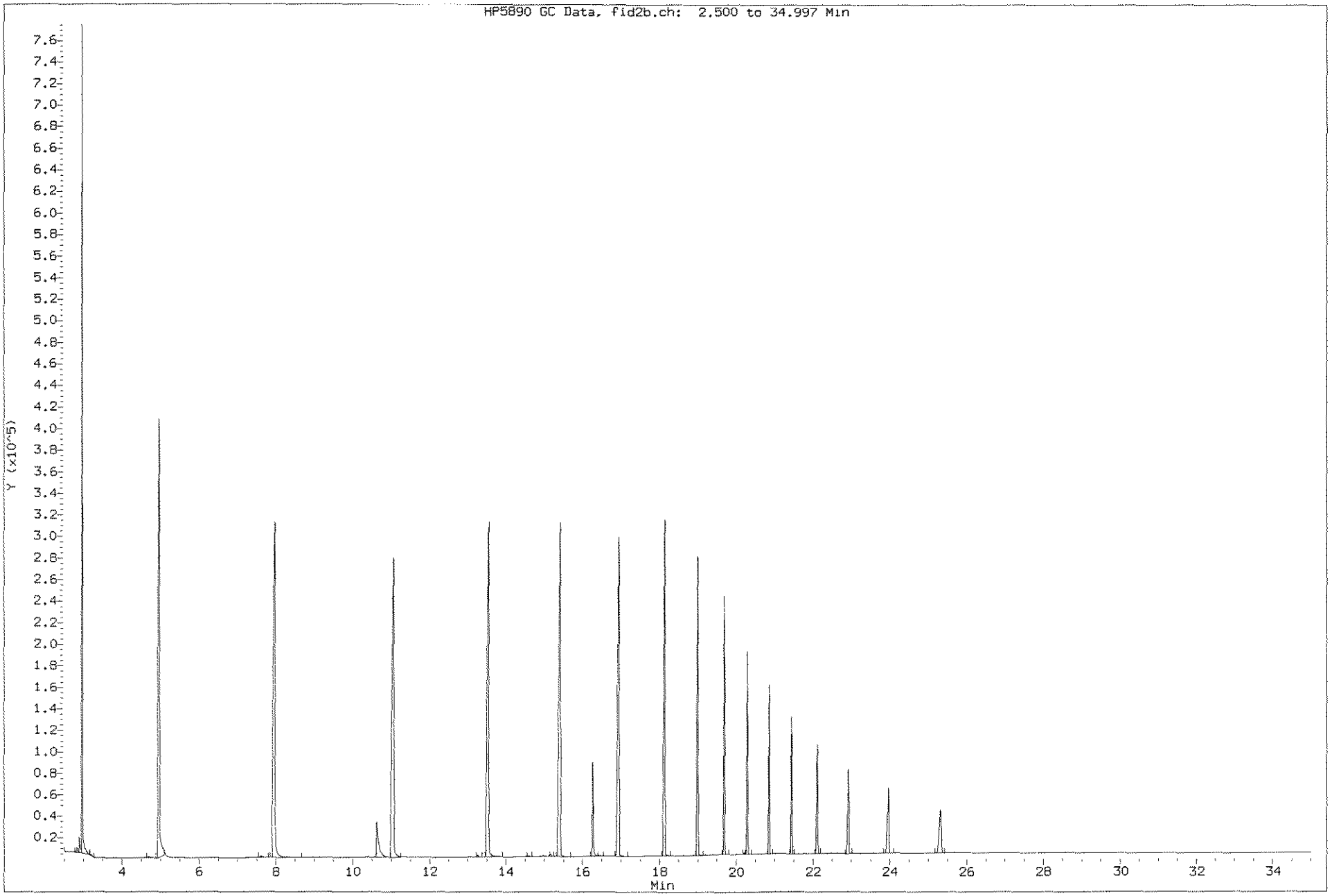
Compounds	RT	EXP RT	DLT RT	RESPONSE		AMOUNTS CAL-AMT (mg/L)	AMOUNTS ON-COL (mg/L)
S 1 Petroleum Range	2.923-25.377			9792844		5950.00	5798 (M)
$ 2 2-Fluorobiphenyl	10.630	10.643	-0.013	108175	*	35.0000	37.04 (M)
$ 3 Ortho-Terphenyl	16.280	16.277	0.003	137885	*	35.0000	36.26

QC Flag Legend

M - Compound response manually integrated.

04/18/11

Data File: \\ELABNSH05\TARGET\chem\gcfid2.i\041311.b\007F0501.D
Injection Date: 13-APR-2011 18:21
Instrument: gcfid2.i
Client Sample ID:



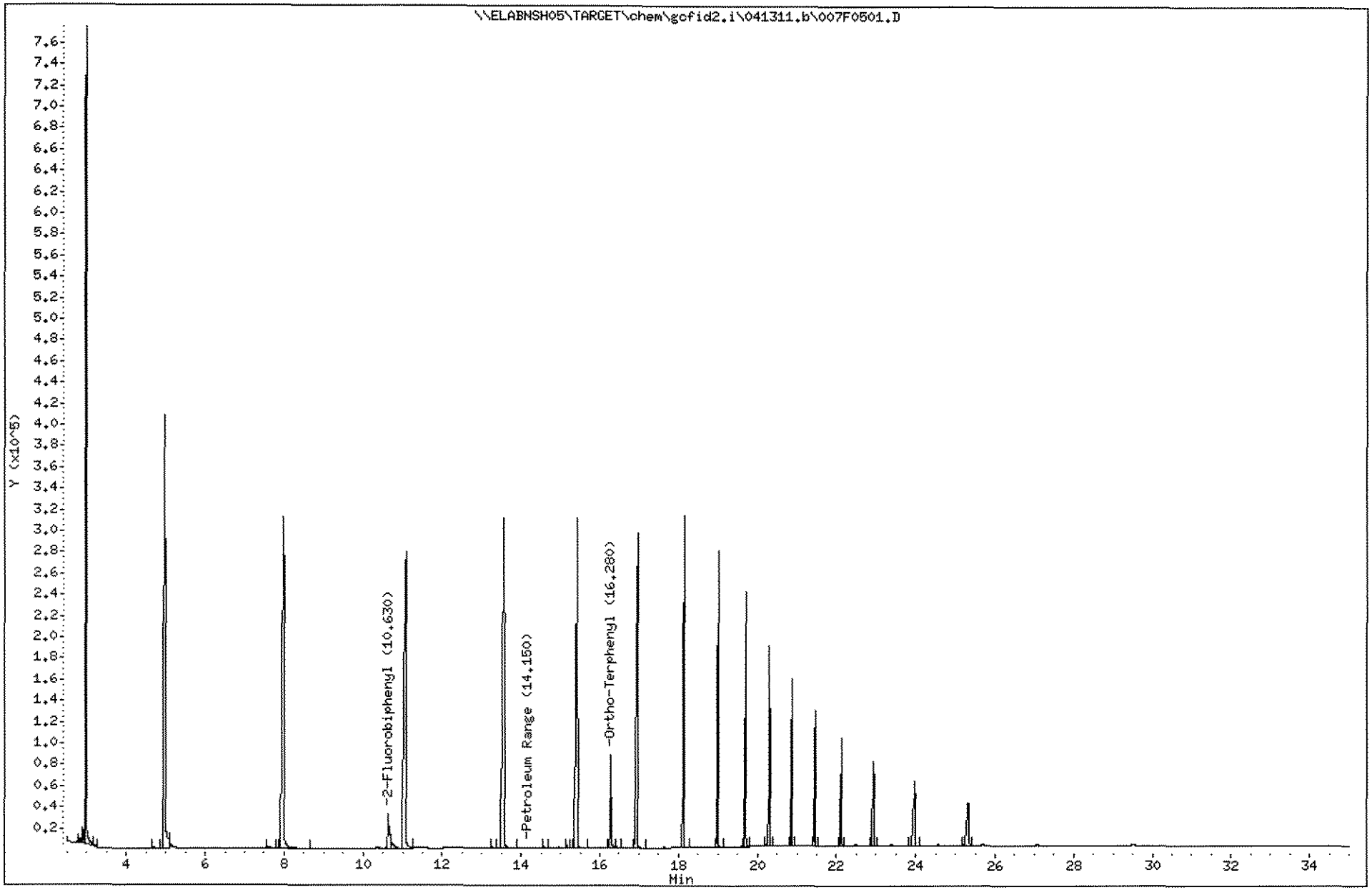
Data File: \\ELABNSH05\TARGET\chem\gcfid2.i\041311.b\007F0501.D
Date : 13-APR-2011 18:21
Client ID:
Sample Info: SEQ-CAL2

Column phase: ZB-5ms

Instrument: gcfid2.i

Operator: JLS
Column diameter: 0.32

11-11-11



Laboratory Name

JLS 4.14.11

Data file : \\ELABNSH05\TARGET\chem\gcfid2.i\041311.b\008F0601.D
Lab Smp Id: SEQ-CAL1
Inj Date : 13-APR-2011 19:04
Operator : JLS Inst ID: gcfid2.i
Smp Info : SEQ-CAL1
Misc Info :
Comment :
Method : \\ELABNSH05\TARGET\chem\gcfid2.i\041311.b\FLPROF.m
Meth Date : 14-Apr-2011 09:55 jsales Quant Type: ESTD
Cal Date : 23-DEC-2008 17:56 Cal File: 004R0201.D
Als bottle: 8 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: PROSURR.sub
Target Version: 4.04
Processing Host: TARGET07_VM

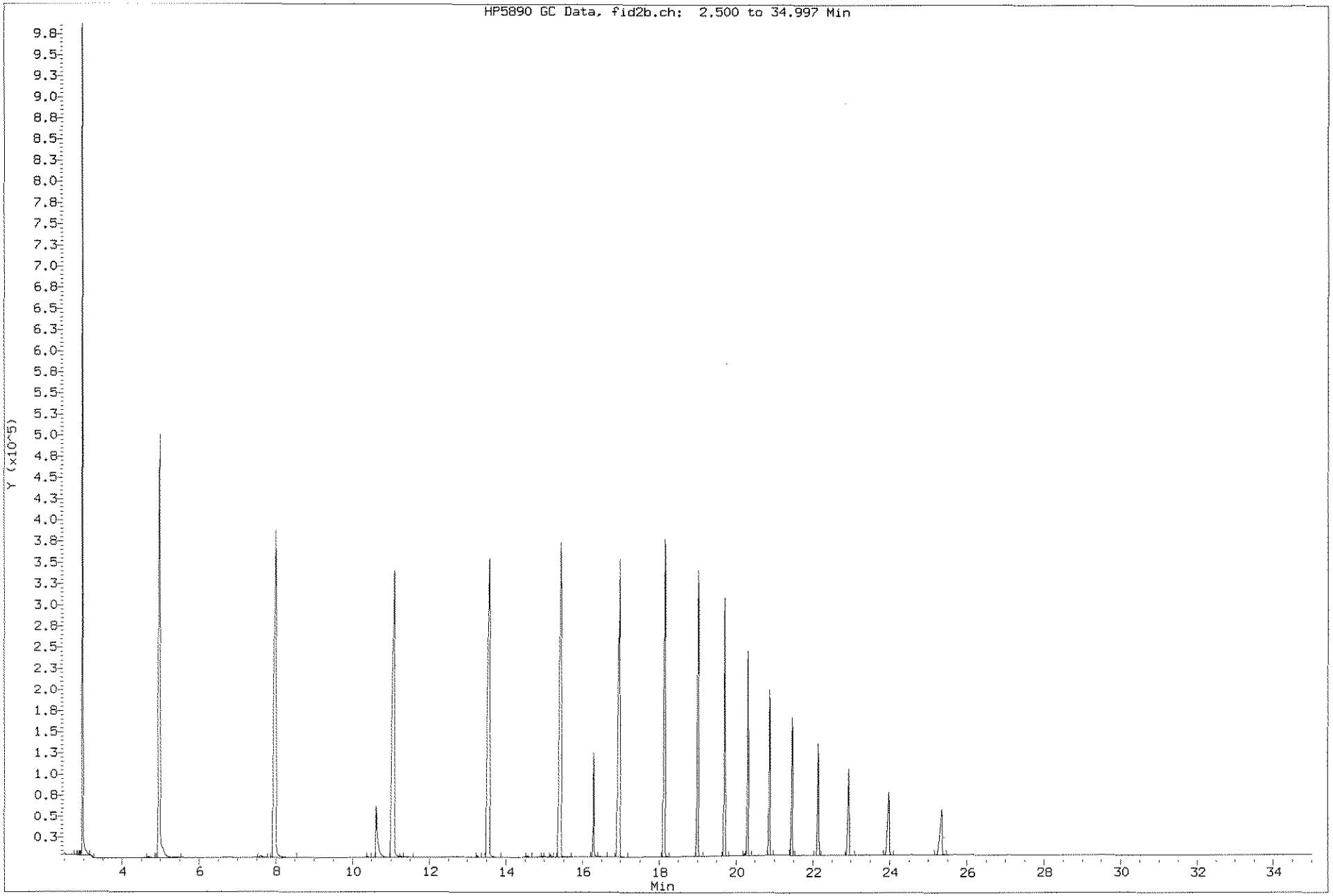
						AMOUNTS	
						CAL-AMT	ON-COL
Compounds	RT	EXP RT	DLT RT	RESPONSE		(mg/L)	(mg/L)
S 1 Petroleum Range	2.923-25.377			14049596	*	8500.00	8319(M)
$ 2 2-Fluorobiphenyl	10.620	10.643	-0.023	137353		50.0000	47.03(M)
$ 3 Ortho-Terphenyl	16.290	16.277	0.013	196248		50.0000	51.61

QC Flag Legend

M - Compound response manually integrated.

04/18/11

Data File: \\ELABNSH05\TARGET\chem\gcfid2.i\041311.b\008F0601.D
Injection Date: 13-APR-2011 19:04
Instrument: gcfid2.i
Client Sample ID:

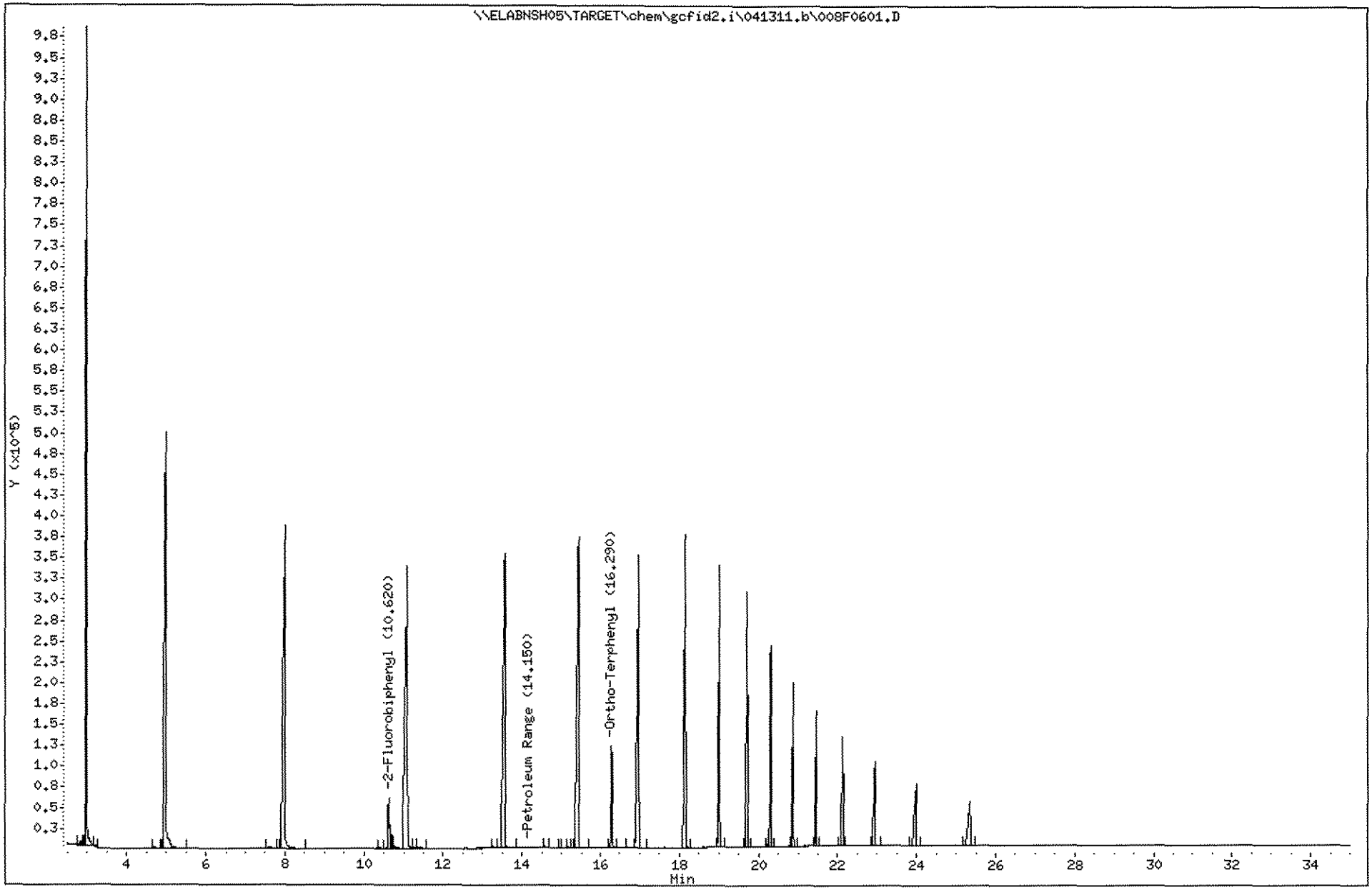


Data File: \\ELABNSH05\TARGET\chem\gcfid2.i\041311.b\008F0601.D
Date : 13-APR-2011 19:04
Client ID:
Sample Info: SEQ-CAL1

Column phase: ZB-5ms

Instrument: gcfid2.i

Operator: JLS
Column diameter: 0.32



JLS 4-14-11

Laboratory Name

Data file : \\ELABNSH05\TARGET\chem\gcfid2.i\041311.b\009F0701.D
Lab Smp Id: SEQ-ICV1
Inj Date : 13-APR-2011 19:46
Operator : JLS Inst ID: gcfid2.i
Smp Info : SEQ-ICV1
Misc Info :
Comment :
Method : \\ELABNSH05\TARGET\chem\gcfid2.i\041311.b\FLPROF.m
Meth Date : 14-Apr-2011 09:55 jsales Quant Type: ESTD
Cal Date : 23-DEC-2008 17:56 Cal File: 004R0201.D
Als bottle: 9 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: range.sub
Target Version: 4.04
Processing Host: TARGET07_VM

					AMOUNTS	
					CAL-AMT	ON-COL
Compounds	RT	EXP RT	DLT RT	RESPONSE	(mg/L)	(mg/L)
S 1 Petroleum Range	2.923-25.377			7638003	~~1250.00~~ 4000.00	4522

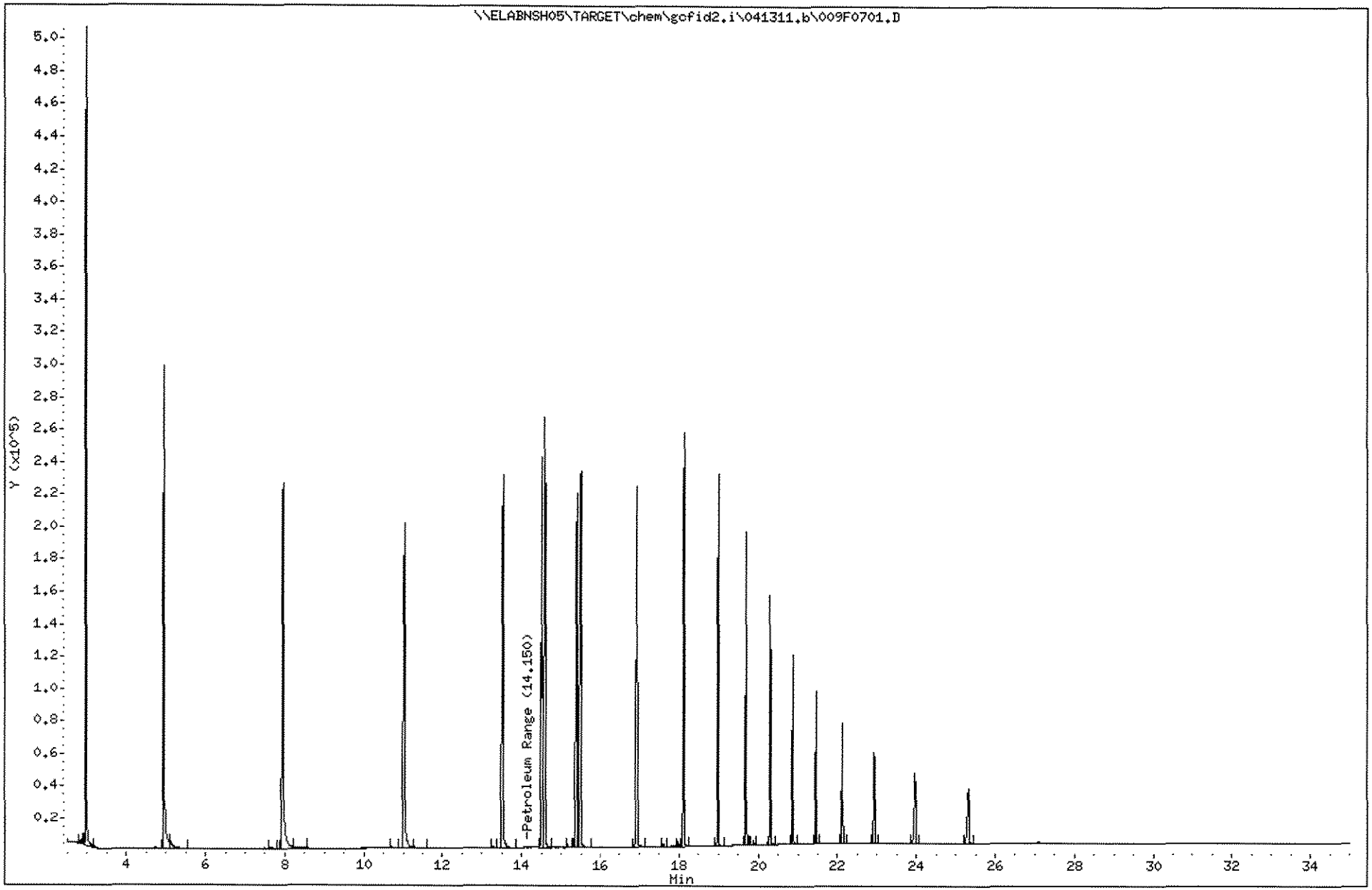
04/18/11

Data File: \\ELABNSH05\TARGET\chem\gcfid2.i\041311.b\009F0701.D
Date : 13-APR-2011 19:46
Client ID:
Sample Info: SEQ-ICV1

Instrument: gcfid2.i

Operator: JLS
Column diameter: 0.32

Column phase: ZB-5ms



Sequence: C:\HPCHEM\FID2\SEQUENCE\042111.S \8015DRO/FLPRO

P.402
Jessica Yates
4.22.11

Sequence Table (Front Injector):

Quantification Part:

Line	Location	SampleName	SampleAmount	ISTDAmt	Multiplier	Dilution
1	Vial 1	INS BLK				
2	Vial 2	RT Marker				
3	Vial 3	SEQ-CCV1 ~~11004~~ 11D0488				
4	Vial 4	1D19027-BLK1 4149.1,3; 4188.1,3				
5	Vial 5	1D19027-BS1				
6	Vial 6	1D19027-BSD1				
7	Vial 7	1104149-01				
8	Vial 8	1104149-03				
9	Vial 9	1104188-01				
10	Vial 10	1104188-03				
11	Vial 11	SEQ-CCV2 11D0488				
12	Vial 12	SEQ-CCV1 11D0331				
13	Vial 13	1104165-07 (1D16001)				
14	Vial 14	1D19026-BLK1 4144.1-6; 4152.1-3; 4187.1-4,6; 4189.1-3; 4191.1,2; 4207.4				
15	Vial 15	1D19026-BS1				
16	Vial 16	1D19026-BSD1				
17	Vial 17	1104144-01				
18	Vial 18	1104144-02				
19	Vial 19	1104144-03				
20	Vial 20	1104144-04				
21	Vial 21	1104144-05				
22	Vial 22	1104144-06				
23	Vial 23	1104152-01				
24	Vial 24	1104152-~~02~~03 JLS 4.22.11				
25	Vial 25	1104152-~~03~~05 4.22.11				
26	Vial 26	SEQ-CCV2 11D0331				
27	Vial 27	1104187-01				
28	Vial 28	1104187-02				
29	Vial 29	1104187-03				
30	Vial 30	1104187-04 R@1x; Bad injection				
31	Vial 31	1104187-06				
32	Vial 32	1104189-01 R@1x				
33	Vial 33	1104189-02				
34	Vial 34	1104189-03				
35	Vial 35	SEQ-CCV3 11D0331				
36	Vial 36	1104191-01				
37	Vial 37	1104191-02				
38	Vial 38	1104207-04				
39	Vial 39	SEQ-CCV4 11D0331				

8015DRO Seq: 1D11809

FLPRO Seq: 1D11814

1x

Sequence Table (Back Injector):

No entries - empty table!

DRO: 4.457-10.510
OTP: 8.150

PRO: 9.907-25.967
D.F: 10.610
OTP: 16.937

Laboratory Name

JLS 4.22.11

Data file : \\ELABNSH05\TARGET\chem\gcfid2.i\042111.b\012F1201.D
Lab Smp Id: SEQ-CCV1
Inj Date : 21-APR-2011 14:35
Operator : JLS Inst ID: gcfid2.i
Smp Info : SEQ-CCV1
Misc Info :
Comment :
Method : \\ELABNSH05\TARGET\chem\gcfid2.i\042111.b\FLPROF.m
Meth Date : 22-Apr-2011 13:01 jsales Quant Type: ESTD
Cal Date : 23-DEC-2008 17:56 Cal File: 004R0201.D
Als bottle: 12 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: PROSURR.sub
Target Version: 4.04
Processing Host: TARGET07_VM

	Compounds	RT	EXP RT	DLT RT	RESPONSE		AMOUNTS CAL-AMT (mg/L)	AMOUNTS ON-COL (mg/L)
S	1 Petroleum Range	2.907-25.267			6417474		4250.00	3800
$	2 2-Fluorobiphenyl	10.610	10.610	0.000	61130	*	25.0000	20.93
$	3 Ortho-Terphenyl	16.236	16.236	0.000	89025		25.0000	23.41

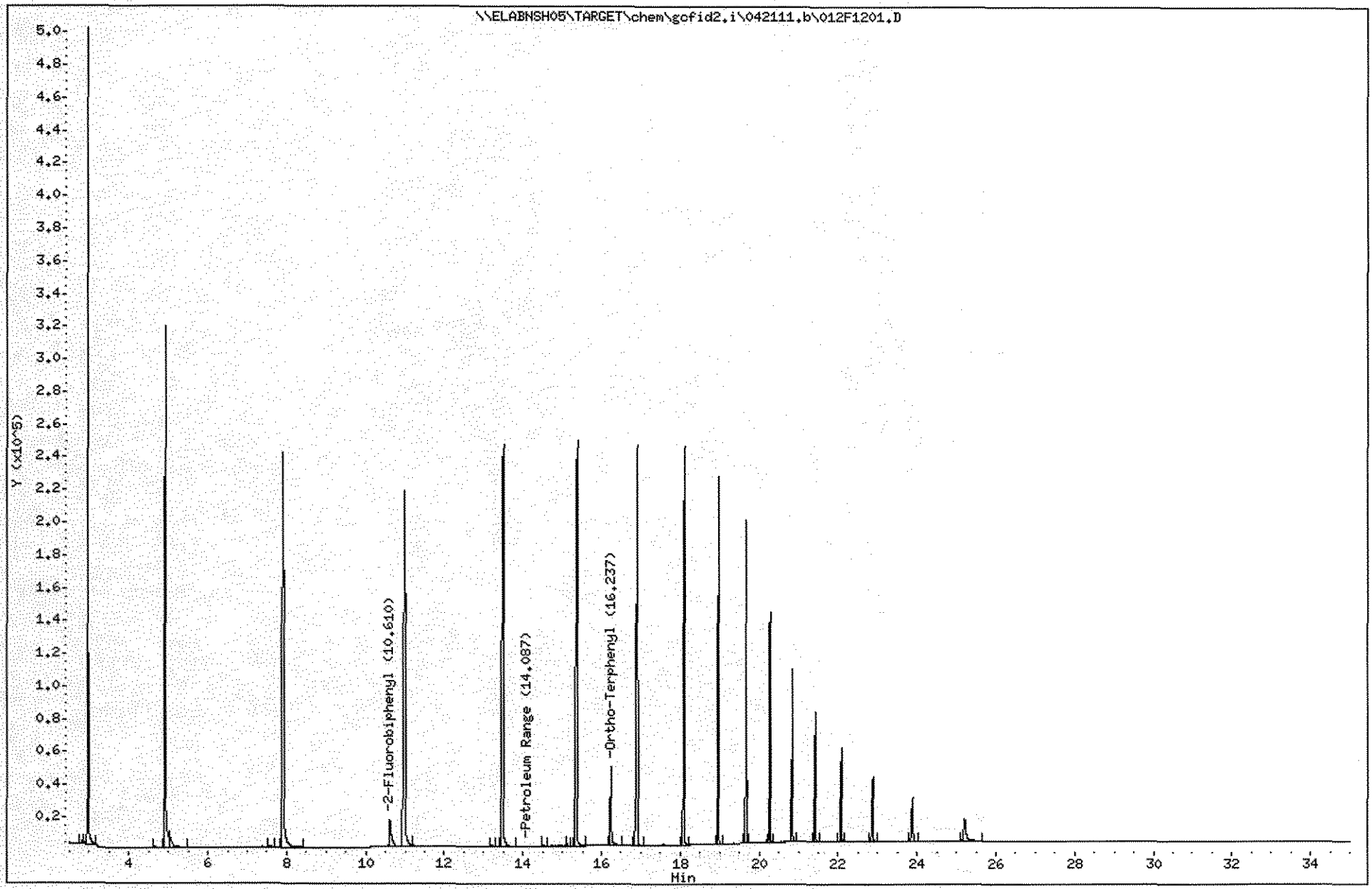
04/22/11

Data File: \\ELABNSH05\TARGET\chem\gcfid2.i\042111.b\012F1201.D
Date : 21-APR-2011 14:35
Client ID:
Sample Info: SEQ-CCV1

Instrument: gcfid2.i

Operator: JLS
Column diameter: 0.32

Column phase: ZB-5ms



CTOJM29_002

Laboratory Name

JLS 4.22.11

Data file : \\ELABNSH05\TARGET\chem\gcfid2.i\042111.b\014F1401.D
Lab Smp Id: 1D19026-BLK1 Client Smp ID: 1D19026-BLK1
Inj Date : 21-APR-2011 16:00
Operator : JLS Inst ID: gcfid2.i
Smp Info : 1D19026-BLK1
Misc Info :
Comment :
Method : \\ELABNSH05\TARGET\chem\gcfid2.i\042111.b\FLPROF.m
Meth Date : 22-Apr-2011 13:01 jsales Quant Type: ESTD
Cal Date : 23-DEC-2008 17:56 Cal File: 004R0201.D
Als bottle: 14
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: PROSURR.sub
Target Version: 4.04
Processing Host: TARGET07_VM

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (mg/L)	CONCENTRATIONS FINAL (mg/L)
$ 2 2-Fluorobiphenyl	10.673	10.610	0.063	51626	17.6772	17.68(R)
$ 3 Ortho-Terphenyl	16.260	16.236	0.024	62918	16.5452	16.54(R)

QC Flag Legend

R - Spike/Surrogate failed recovery limits.

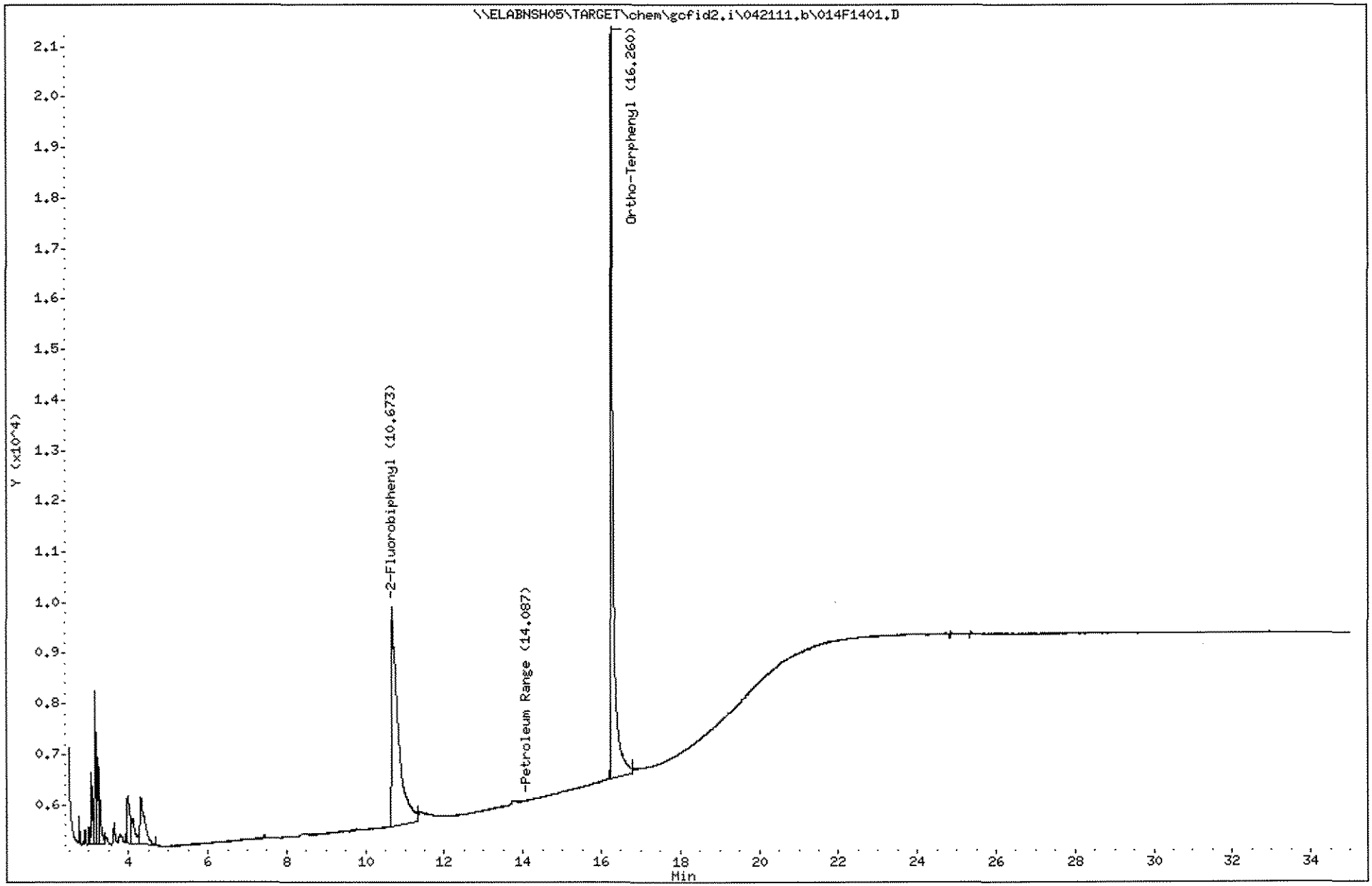
04/22/11

Data File: \\ELABNSH05\TARGET\chem\gcfid2.i\042111.b\014F1401.D
Date : 21-APR-2011 16:00
Client ID: 1D19026-BLK1
Sample Info: 1D19026-BLK1

Instrument: gcfid2.i

Operator: JLS
Column diameter: 0.32

Column phase: ZB-5ms



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CTOJM29_002

JLS 4.22.11

Laboratory Name

Data file : \\ELABNSH05\TARGET\chem\gcfid2.i\042111.b\015F1501.D
Lab Smp Id: 1D19026-BS1 Client Smp ID: 1D19026-BS1
Inj Date : 21-APR-2011 16:43
Operator : JLS Inst ID: gcfid2.i
Smp Info : 1D19026-BS1
Misc Info :
Comment :
Method : \\ELABNSH05\TARGET\chem\gcfid2.i\042111.b\FLPROF.m
Meth Date : 22-Apr-2011 13:01 jsales Quant Type: ESTD
Cal Date : 23-DEC-2008 17:56 Cal File: 004R0201.D
Als bottle: 15
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: PROSURR.sub
Target Version: 4.04
Processing Host: TARGET07_VM

						CONCENTRATIONS	
						ON-COLUMN	FINAL
	Compounds	RT	EXP RT	DLT RT	RESPONSE	(mg/L)	(mg/L)
	==========	==	======	======	========	=======	=======
S	1 Petroleum Range	2.907-25.267			2627838	1555.93	1556
$	2 2-Fluorobiphenyl	10.616	10.610	0.006	58218	19.9343	19.93(R)
$	3 Ortho-Terphenyl	16.233	16.236	-0.003	70237	18.4699	18.47(R)

QC Flag Legend

R - Spike/Surrogate failed recovery limits.

PRO: $\frac{2627838}{1688.919} = 1555.929$

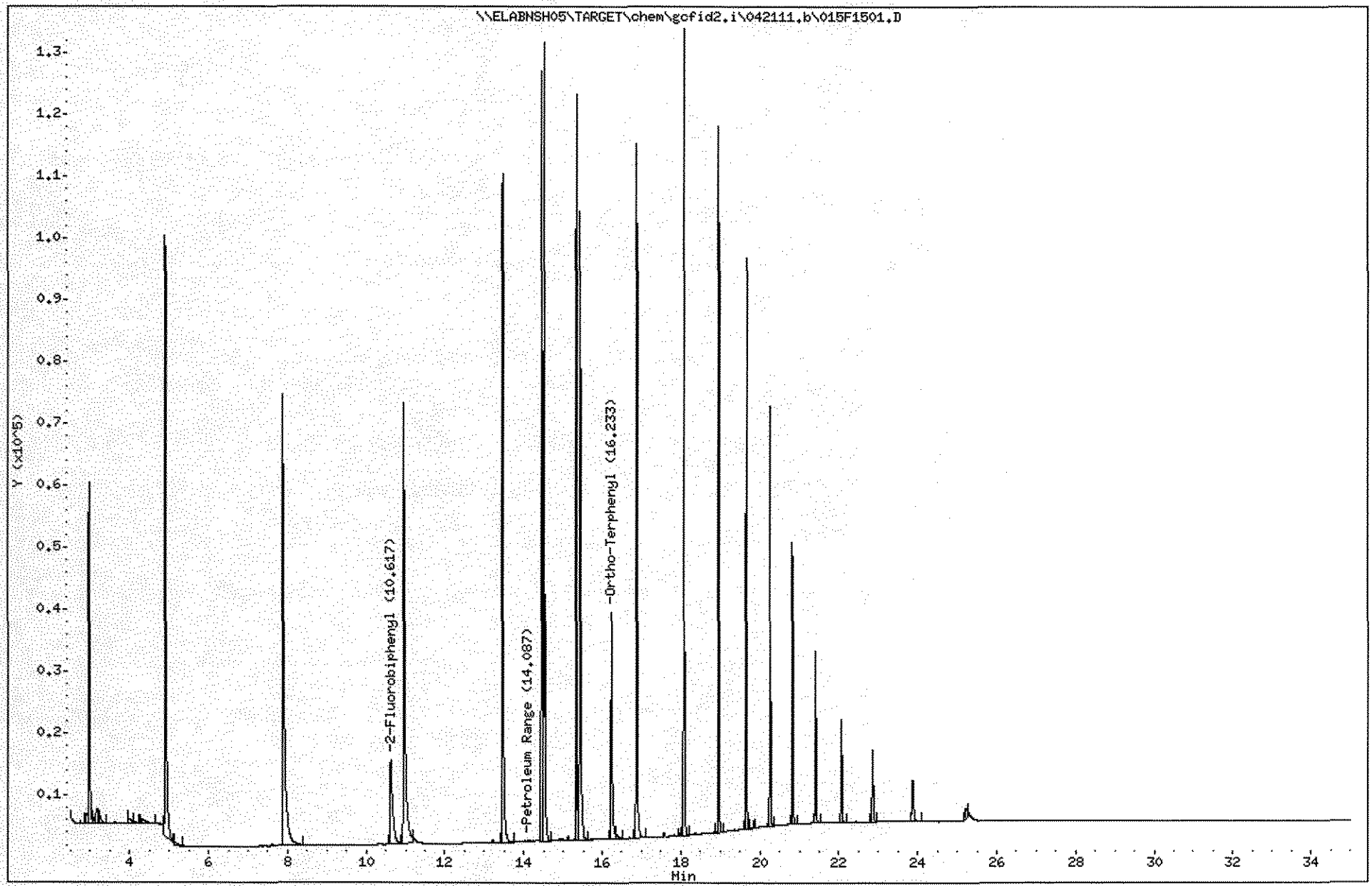
04/22/11

Data File: \\ELABNSH05\TARGET\chem\gcfid2.i\042111.b\015F1501.D
Date : 21-APR-2011 16:43
Client ID: 1D19026-BS1
Sample Info: 1D19026-BS1

Instrument: gcfid2.i

Operator: JLS
Column diameter: 0.32

Column phase: ZB-5ms



JLS 4-22-11

Laboratory Name

Data file : \\ELABNSH05\TARGET\chem\gcfid2.i\042111.b\016F1601.D
Lab Smp Id: 1D19026-BSD1 Client Smp ID: 1D19026-BSD1
Inj Date : 21-APR-2011 17:25
Operator : JLS Inst ID: gcfid2.i
Smp Info : 1D19026-BSD1
Misc Info :
Comment :
Method : \\ELABNSH05\TARGET\chem\gcfid2.i\042111.b\FLPROF.m
Meth Date : 22-Apr-2011 13:01 jsales Quant Type: ESTD
Cal Date : 23-DEC-2008 17:56 Cal File: 004R0201.D
Als bottle: 16
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: PROSURR.sub
Target Version: 4.04
Processing Host: TARGET07_VM

					CONCENTRATIONS	
					ON-COLUMN	FINAL
Compounds	RT	EXP RT	DLT RT	RESPONSE	(mg/L)	(mg/L)
S 1 Petroleum Range	2.907-25.267			2567073	1519.95	1520
$ 2 2-Fluorobiphenyl	10.623	10.610	0.013	53950	18.4729	18.47(R)
$ 3 Ortho-Terphenyl	16.236	16.236	0.000	70356	18.5011	18.50(R)

QC Flag Legend

R - Spike/Surrogate failed recovery limits.

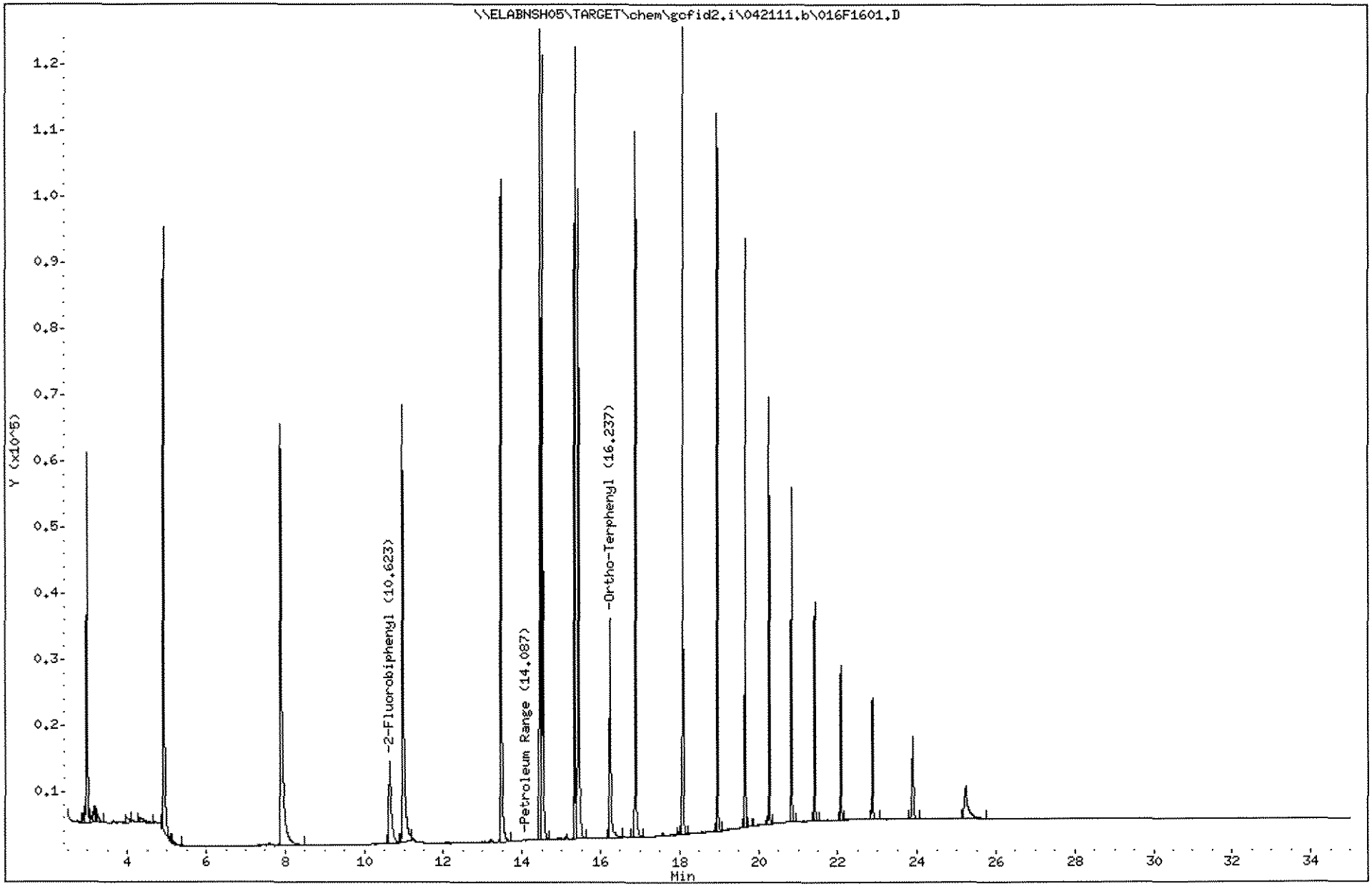
04/22/11

Data File: \\ELABNSH05\TARGET\chem\gcfid2.i\042111.b\016F1601.D
Date : 21-APR-2011 17:25
Client ID: 1D19026-BSD1
Sample Info: 1D19026-BSD1

Instrument: gcfid2.i

Operator: JLS
Column diameter: 0.32

Column phase: ZB-5ms



Laboratory Name

Data file : \\ELABNSH05\TARGET\chem\gcfid2.i\042111.b\026F2601.D
Lab Smp Id: SEQ-CCV2
Inj Date : 22-APR-2011 00:28 Inst ID: gcfid2.i
Operator : JLS
Smp Info : SEQ-CCV2
Misc Info :
Comment :
Method : \\ELABNSH05\TARGET\chem\gcfid2.i\042111.b\FLPROF.m
Meth Date : 22-Apr-2011 13:02 jsales Quant Type: ESTD
Cal Date : 23-DEC-2008 17:56 Cal File: 004R0201.D
Als bottle: 26 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: PROSURR.sub
Target Version: 4.04
Processing Host: TARGET07_VM

	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (mg/L)	AMOUNTS ON-COL (mg/L)
S	1 Petroleum Range	2.907-25.267			6848246	4250.00	4055
$	2 2-Fluorobiphenyl	10.623	10.610	0.013	62338	P 25.0000	21.34
$	3 Ortho-Terphenyl	16.243	16.236	0.007	84056	* 25.0000	22.10

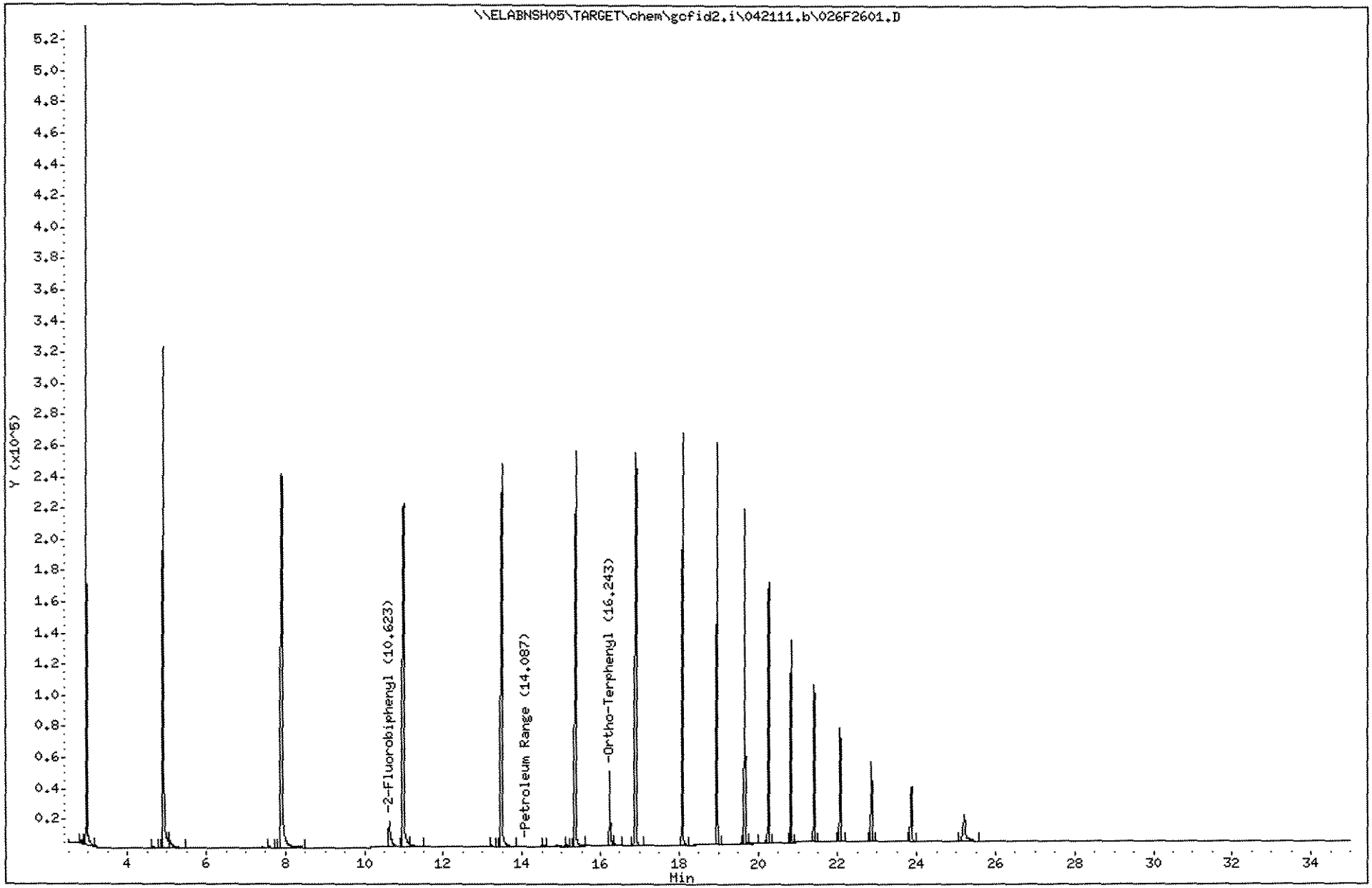
04/22/11

Data File: \\ELABNSH05\TARGET\chem\gcfid2.i\042111.b\026F2601.D
Date : 22-APR-2011 00:28
Client ID:
Sample Info: SEQ-CCV2

Column phase: ZB-5ms

Instrument: gcfid2.i

Operator: JLS
Column diameter: 0.32



491
CTOJM29_002

JLS 4-22-11

Laboratory Name

Data file : \\ELABNSH05\TARGET\chem\gcfid2.i\042111.b\035F3501.D
Lab Smp Id: SEQ-CCV3
Inj Date : 22-APR-2011 06:48 Inst ID: gcfid2.i
Operator : JLS
Smp Info : SEQ-CCV3
Misc Info :
Comment :
Method : \\ELABNSH05\TARGET\chem\gcfid2.i\042111.b\FLPROF.m
Meth Date : 22-Apr-2011 13:03 jsales Quant Type: ESTD
Cal Date : 23-DEC-2008 17:56 Cal File: 004R0201.D
Als bottle: 35 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: PROSURR.sub
Target Version: 4.04
Processing Host: TARGET07_VM

	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (mg/L)	AMOUNTS ON-COL (mg/L)
S	1 Petroleum Range	2.907-25.267			6780682	4250.00	4015
$	2 2-Fluorobiphenyl	10.626	10.610	0.016	63151	25.0000	21.62
$	3 Ortho-Terphenyl	16.243	16.236	0.007	84293	25.0000	22.17

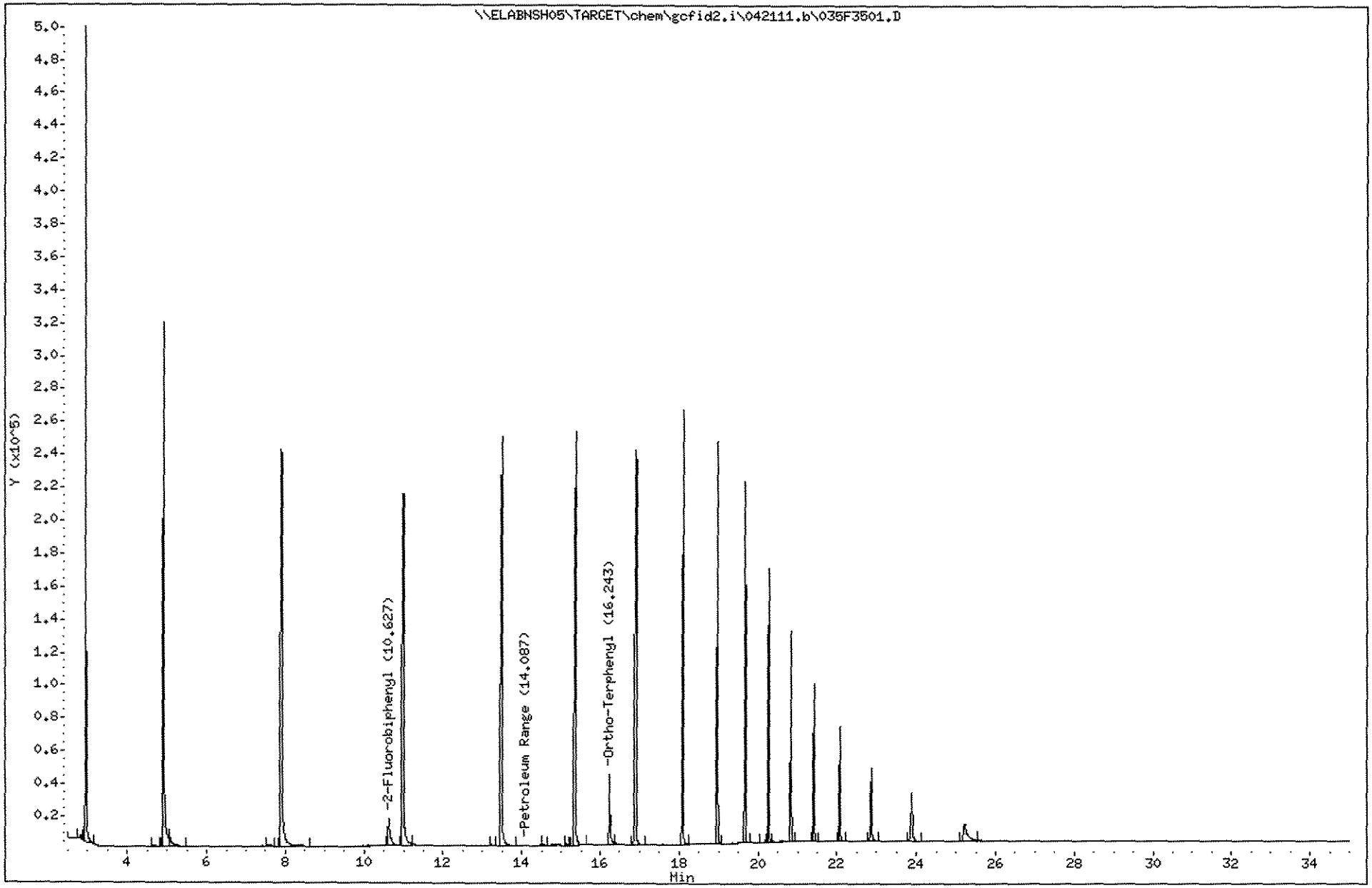
04/22/11

Data File: \\ELABNSH05\TARGET\chem\gcfid2.i\042111.b\035F3501.D
Date : 22-APR-2011 06:48
Client ID:
Sample Info: SEQ-CCV3

Instrument: gcfid2.i

Operator: JLS
Column diameter: 0.32

Column phase: ZB-5ms



Report Date: 22-Apr-2011 13:03

JLS 4-22-11

Laboratory Name

Data file : \\ELABNSH05\TARGET\chem\gcfid2.i\042111.b\038F3801.D
Lab Smp Id: 1104207-04 Client Smp ID: FD04151101
Inj Date : 22-APR-2011 08:55
Operator : JLS Inst ID: gcfid2.i
Smp Info : 1104207-04
Misc Info :
Comment :
Method : \\ELABNSH05\TARGET\chem\gcfid2.i\042111.b\FLPROF.m
Meth Date : 22-Apr-2011 13:03 jsales Quant Type: ESTD
Cal Date : 23-DEC-2008 17:56 Cal File: 004R0201.D
Als bottle: 38
Dil Factor: 1.00000 Compound Sublist: PROSURR.sub
Integrator: Falcon
Target Version: 4.04
Processing Host: TARGET07_VM

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (mg/L)	FINAL (mg/L)
$ 2 2-Fluorobiphenyl	10.750	10.610	0.140	52198	17.8730	17.87(R)
$ 3 Ortho-Terphenyl	16.290	16.236	0.054	56386	14.8275	14.83(R)

QC Flag Legend

R - Spike/Surrogate failed recovery limits.

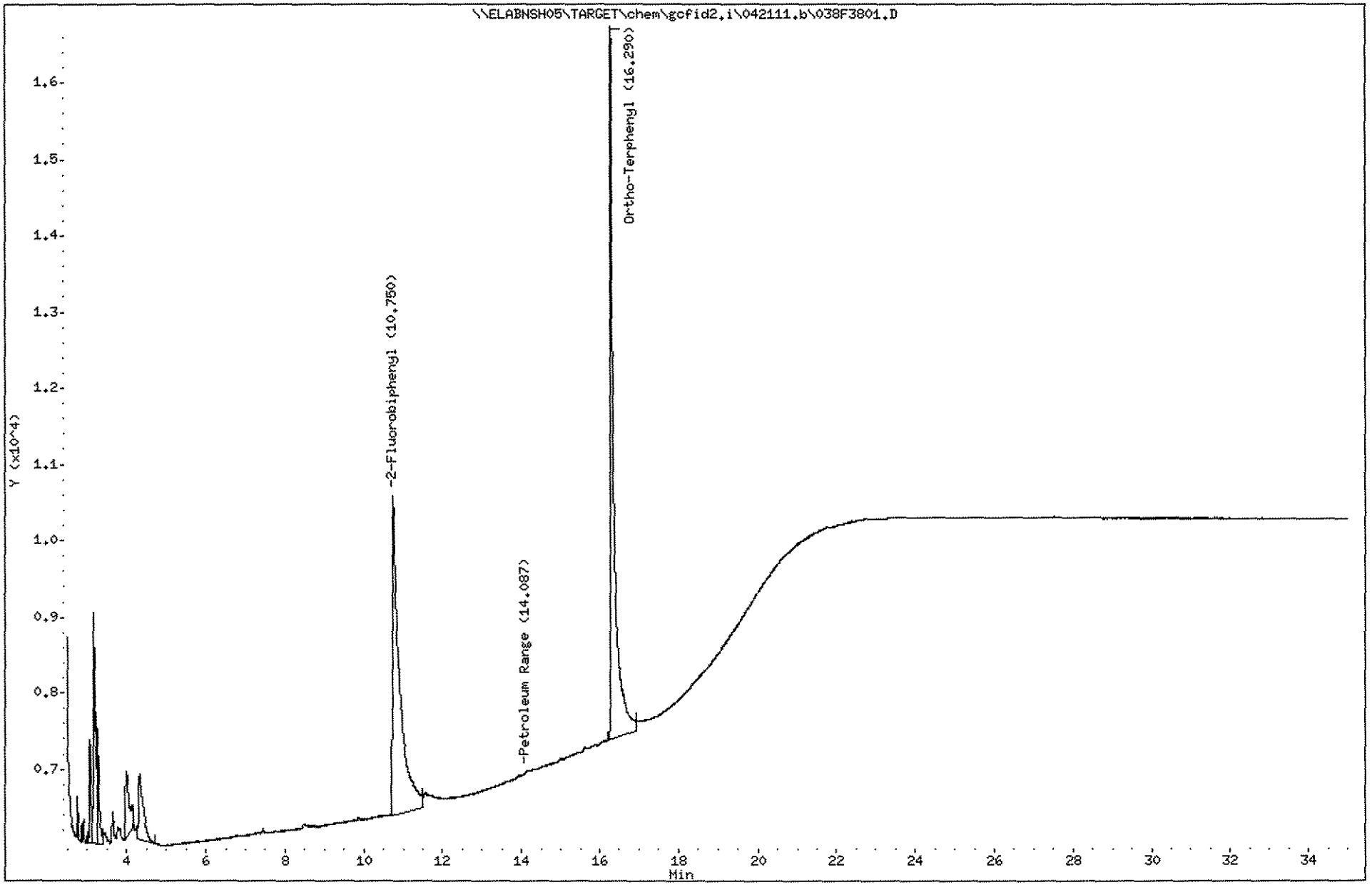
04/22/11

Data File: \\ELABNSH05\TARGET\chem\gcfid2.i\042111.b\038F3801.D
Date : 22-APR-2011 08:55
Client ID: FD04151101
Sample Info: 1104207-04

Column phase: ZB-5ms

Instrument: gcfid2.i

Operator: JLS
Column diameter: 0.32



CTOJM29_002

JLS 4-22-11

Laboratory Name

Data file : \\ELABNSH05\TARGET\chem\gcfid2.i\042111.b\039F3901.D
Lab Smp Id: SEQ-CCV4
Inj Date : 22-APR-2011 09:37 Inst ID: gcfid2.i
Operator : JLS
Smp Info : SEQ-CCV4
Misc Info :
Comment :
Method : \\ELABNSH05\TARGET\chem\gcfid2.i\042111.b\FLPROF.m
Meth Date : 22-Apr-2011 13:03 jsales Quant Type: ESTD
Cal Date : 23-DEC-2008 17:56 Cal File: 004R0201.D
Als bottle: 39 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: PROSURR.sub
Target Version: 4.04
Processing Host: TARGET07_VM

	Compounds	RT	EXP RT	DLT RT	RESPONSE		AMOUNTS CAL-AMT (mg/L)	AMOUNTS ON-COL (mg/L)
S	1 Petroleum Range	2.907-25.267			6683817		4250.00	3957
$	2 2-Fluorobiphenyl	10.623	10.610	0.013	63276		25.0000	21.67
$	3 Ortho-Terphenyl	16.240	16.236	0.004	85221	*	25.0000	22.41

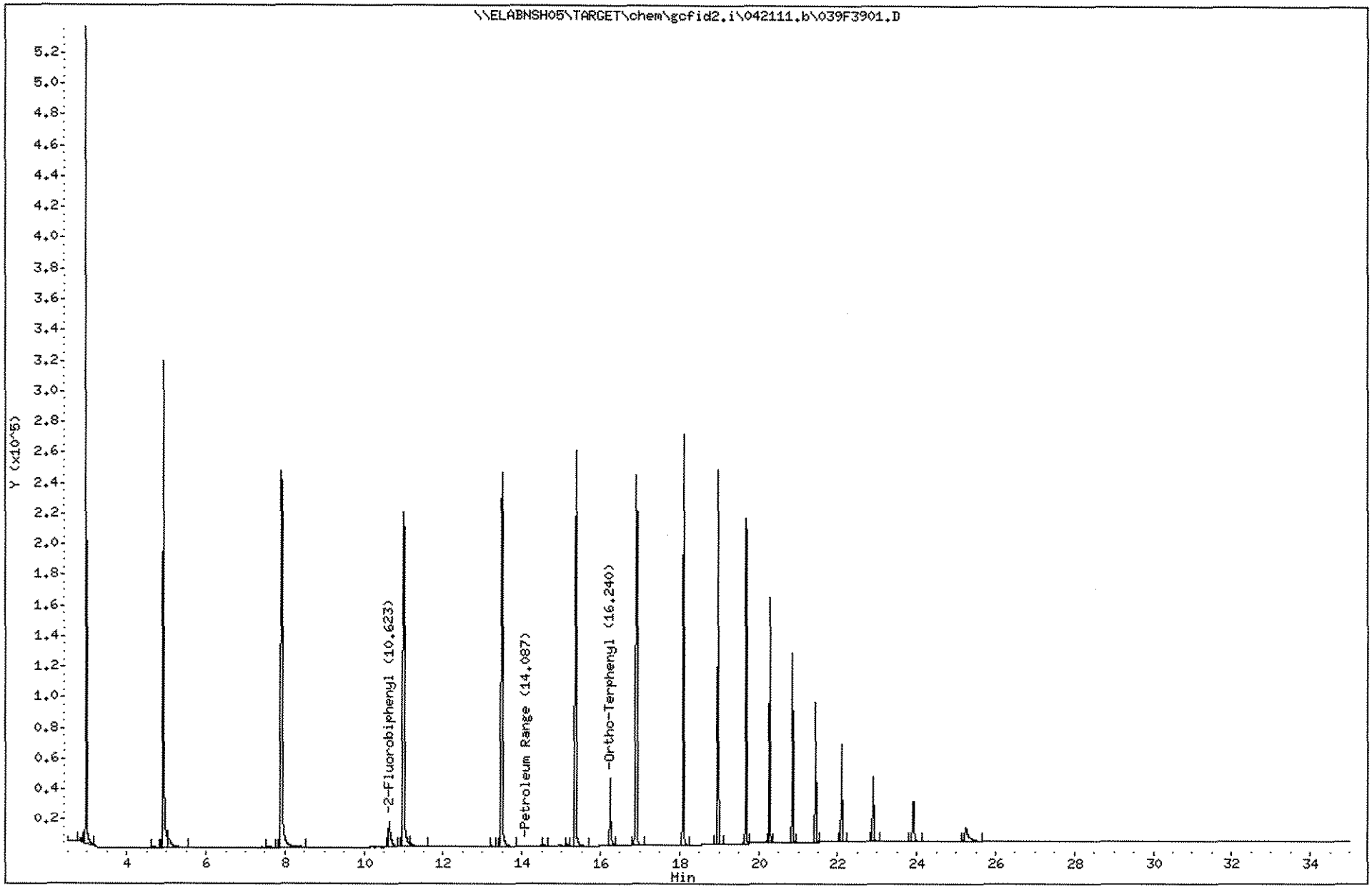
04/22/11

Data File: \\ELABNSH05\TARGET\chem\gcfid2.i\042111.b\039F3901.D
Date : 22-APR-2011 09:37
Client ID:
Sample Info: SEQ-CCV4

Instrument: gcfid2.i

Operator: JLS
Column diameter: 0.32

Column phase: ZB-5ms



Sequence: C:\HPCHEM\FID2\SEQUENCE\042211.S \8015DRO/FLPRO

P.403
Jessica Stokes
4.25.11

Sequence Table (Front Injector):

Quantification Part:

Line	Location	SampleName	SampleAmount	ISTDAmt	Multiplier	Dilution
1	Vial 1	INS BLK				
2	Vial 2	RT Marker				
3	Vial 3	SEQ-CCV1\1D04488				
4	Vial 4	1D20024-BLK1 4128.1,19				
5	Vial 5	1D20024-BS1				
6	Vial 6	1D20024-BSD1				
7	Vial 7	1104128-01				
8	Vial 8	1104128-19 Re@10x				
9	Vial 9	1D20026-BLK1 4206.1; 4208.1-4				
10	Vial 10	1D20026-BS1				
11	Vial 11	1D20026-BSD1				
12	Vial 12	1104206-01				
13	Vial 13	1104208-01				
14	Vial 14	1104208-02				
15	Vial 15	1104208-03				
16	Vial 16	1104208-04				
17	Vial 17	SEQ-CCV2\1D04488				
18	Vial 18	SEQ-CCV1\1D03331				
19	Vial 19	1104187-04 (1D19026)				
20	Vial 20	1104189-01				
21	Vial 21	1D20025-BLK1 4116 5.10-13				
22	Vial 22	1D20025-BS1				
23	Vial 23	1D20025-BSD1				
24	Vial 24	1104165-10				
25	Vial 25	1104165-11				
26	Vial 26	1104165-12				
27	Vial 27	1104165-13				
28	Vial 28	SEQ-CCV2\1D03331				
29	Vial 29	1D20020-BLK1 4207.3,5-9; 4210.1-3				
30	Vial 30	1D20020-BS1				
31	Vial 31	1D20020-BSD1				
32	Vial 32	1104207-03				
33	Vial 33	1104207-05				
34	Vial 34	1104207-06				
35	Vial 35	1104207-07				
36	Vial 36	1104207-08				
37	Vial 37	1104207-09				
38	Vial 38	1104210-01				
39	Vial 39	1104210-02				
40	Vial 40	1104210-03				
41	Vial 41	SEQ-CCV3\1D03331				

8015DRO Seq: 1D11501

Seq: 1D11502

FLPRO

1x

Sequence Table (Back Injector):

No entries - empty table!

DRO: 4.453-10.567
OTP: 8.163

PRO: 2.907-25.263
2-F: 10.613
OTP: 16.237

JLS 4.25.11

Laboratory Name

Data file : \\ELABNSH05\TARGET\chem\gcfid2.i\042211.b\018F1801.D
Lab Smp Id: SEQ-CCV1
Inj Date : 22-APR-2011 22:21
Operator : JLS Inst ID: gcfid2.i
Smp Info : SEQ-CCV1
Misc Info :
Comment :
Method : \\ELABNSH05\TARGET\chem\gcfid2.i\042211.b\FLPROF.m
Meth Date : 25-Apr-2011 09:50 jsales Quant Type: ESTD
Cal Date : 23-DEC-2008 17:56 Cal File: 004R0201.D
Als bottle: 18 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: PROSURR.sub
Target Version: 4.04
Processing Host: TARGET07_VM

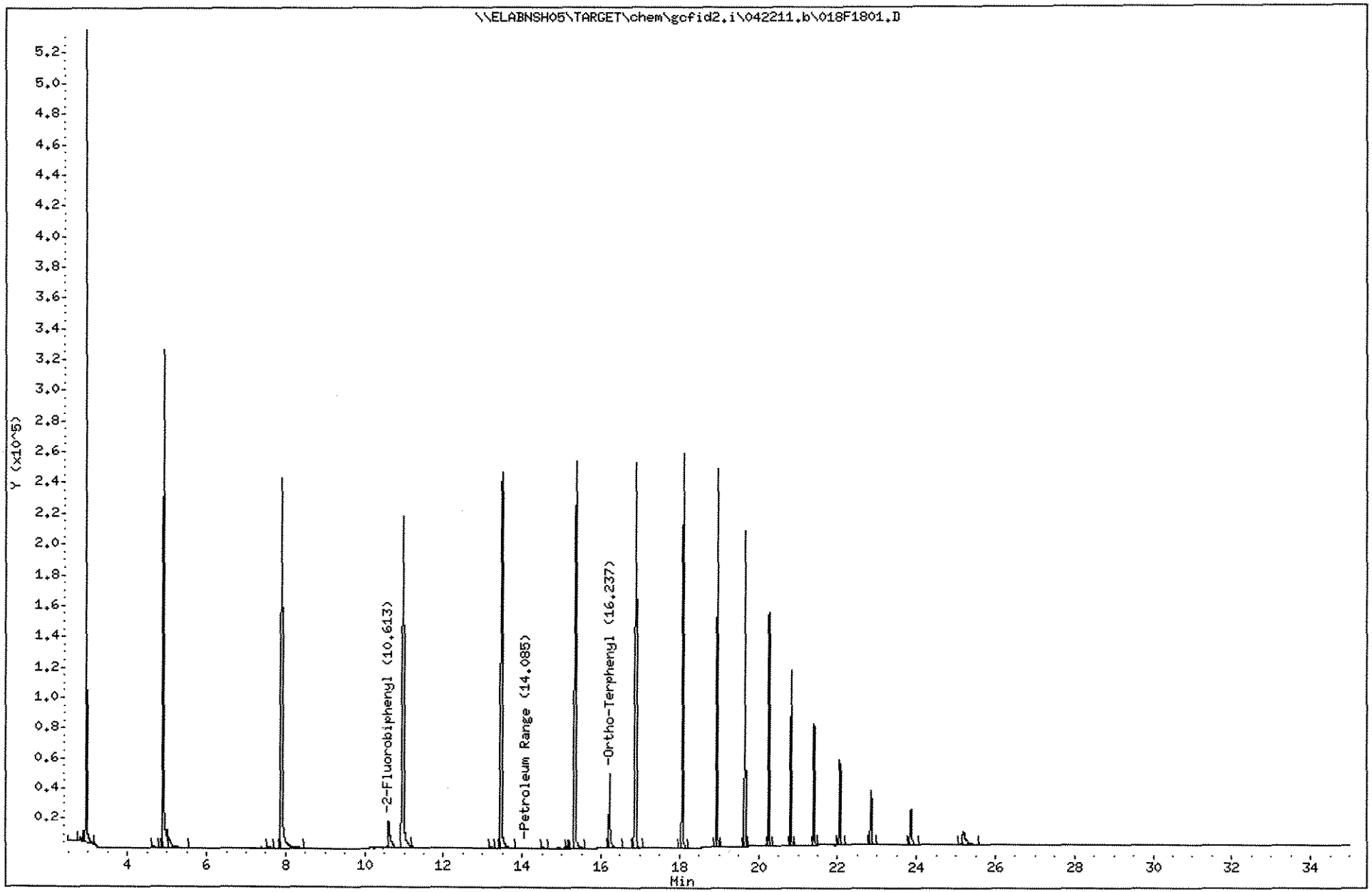
	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (mg/L)	ON-COL (mg/L)
S	1 Petroleum Range	2.907-25.263			6579739	4250.00	3896
$	2 2-Fluorobiphenyl	10.613	10.613	0.000	59565	*25.0000	20.40
$	3 Ortho-Terphenyl	16.236	16.236	0.000	90104	25.0000	23.69

04/28/11

Data File: \\ELABNSH05\TARGET\chem\gcfid2.i\042211.b\018F1801.D
Date : 22-APR-2011 22:21
Client ID:
Sample Info: SEQ-CCV1

Instrument: gcfid2.i
Operator: JLS
Column diameter: 0.32

Column phase: ZB-5ms



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CTOJM29_002

JLS 4.25.11

Laboratory Name

Data file : \\ELABNSH05\TARGET\chem\gcfid2.i\042211.b\028F2801.D
Lab Smp Id: SEQ-CCV2
Inj Date : 23-APR-2011 05:23
Operator : JLS Inst ID: gcfid2.i
Smp Info : SEQ-CCV2
Misc Info :
Comment :
Method : \\ELABNSH05\TARGET\chem\gcfid2.i\042211.b\FLPROF.m
Meth Date : 25-Apr-2011 09:50 jsales Quant Type: ESTD
Cal Date : 23-DEC-2008 17:56 Cal File: 004R0201.D
Als bottle: 28 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: PROSURR.sub
Target Version: 4.04
Processing Host: TARGET07_VM

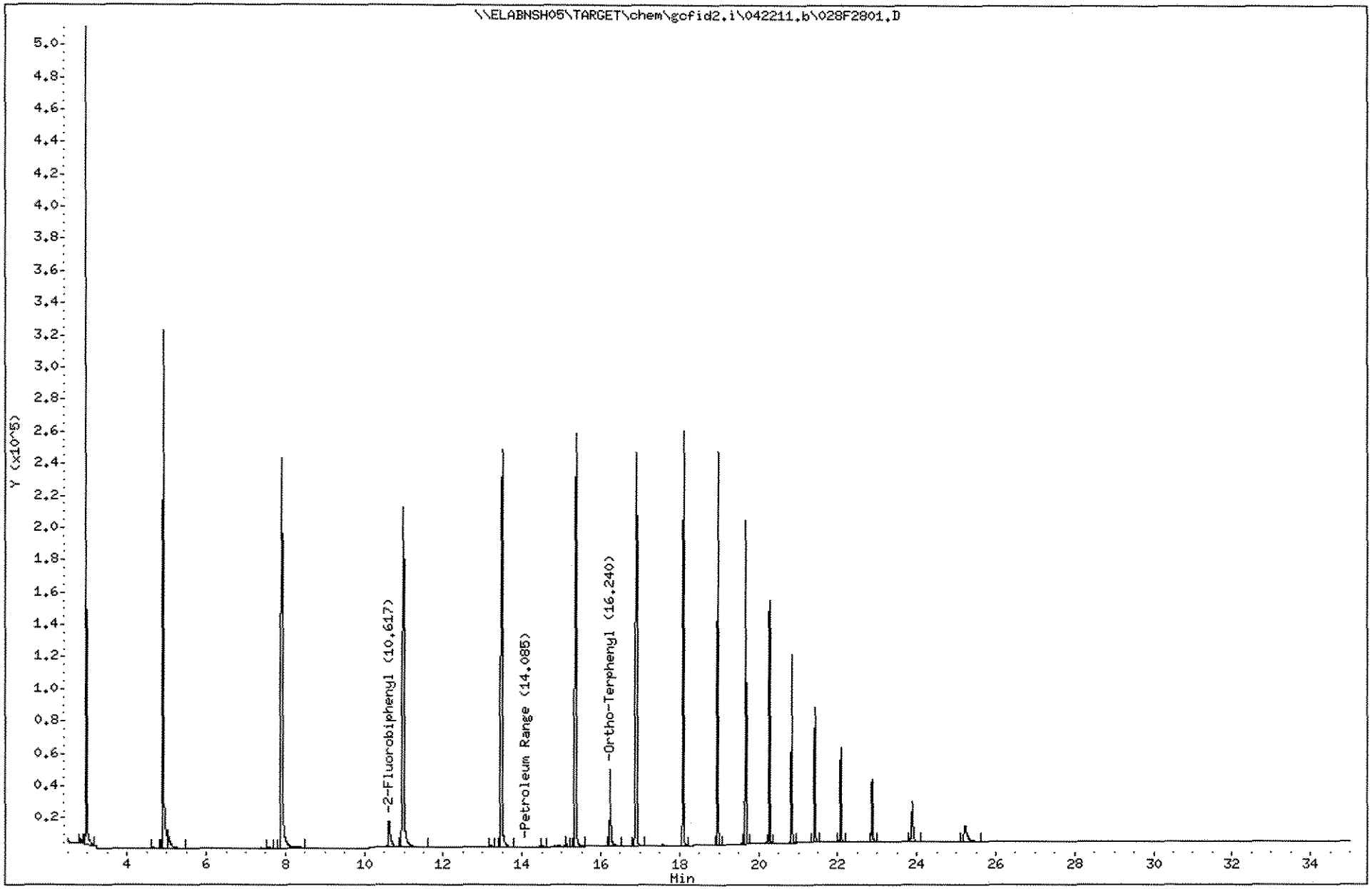
						AMOUNTS	
						CAL-AMT	ON-COL
Compounds	RT	EXP RT	DLT RT	RESPONSE		(mg/L)	(mg/L)
S 1 Petroleum Range	2.907-25.263			6599059		4250.00	3907
$ 2 2-Fluorobiphenyl	10.616	10.613	0.003	59152		25.0000	20.25
$ 3 Ortho-Terphenyl	16.240	16.236	0.004	89076	*	25.0000	23.42

04/28/11

Data File: \\ELABNSH05\TARGET\chem\gcfid2.i\042211.b\028F2801.D
Date : 23-APR-2011 05:23
Client ID:
Sample Info: SEQ-CCV2

Instrument: gcfid2.i
Operator: JLS
Column diameter: 0.32

Column phase: ZB-5ms



502
CTOJM29_002

Laboratory Name

JLS 4.25.11

Data file : \\ELABNSH05\TARGET\chem\gcfid2.i\042211.b\029F2901.D
Lab Smp Id: 1D20020-BLK1 Client Smp ID: 1D20020-BLK1
Inj Date : 23-APR-2011 06:05
Operator : JLS Inst ID: gcfid2.i
Smp Info : 1D20020-BLK1
Misc Info :
Comment :
Method : \\ELABNSH05\TARGET\chem\gcfid2.i\042211.b\FLPROF.m
Meth Date : 25-Apr-2011 09:50 jsales Quant Type: ESTD
Cal Date : 23-DEC-2008 17:56 Cal File: 004R0201.D
Als bottle: 29
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: PROSURR.sub
Target Version: 4.04
Processing Host: TARGET07_VM

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (mg/L)	FINAL (mg/L)
$ 2 2-Fluorobiphenyl	10.736	10.613	0.123	52054	17.8237	17.82(R)
$ 3 Ortho-Terphenyl	16.270	16.236	0.034	66585	17.5095	17.51(R)

QC Flag Legend

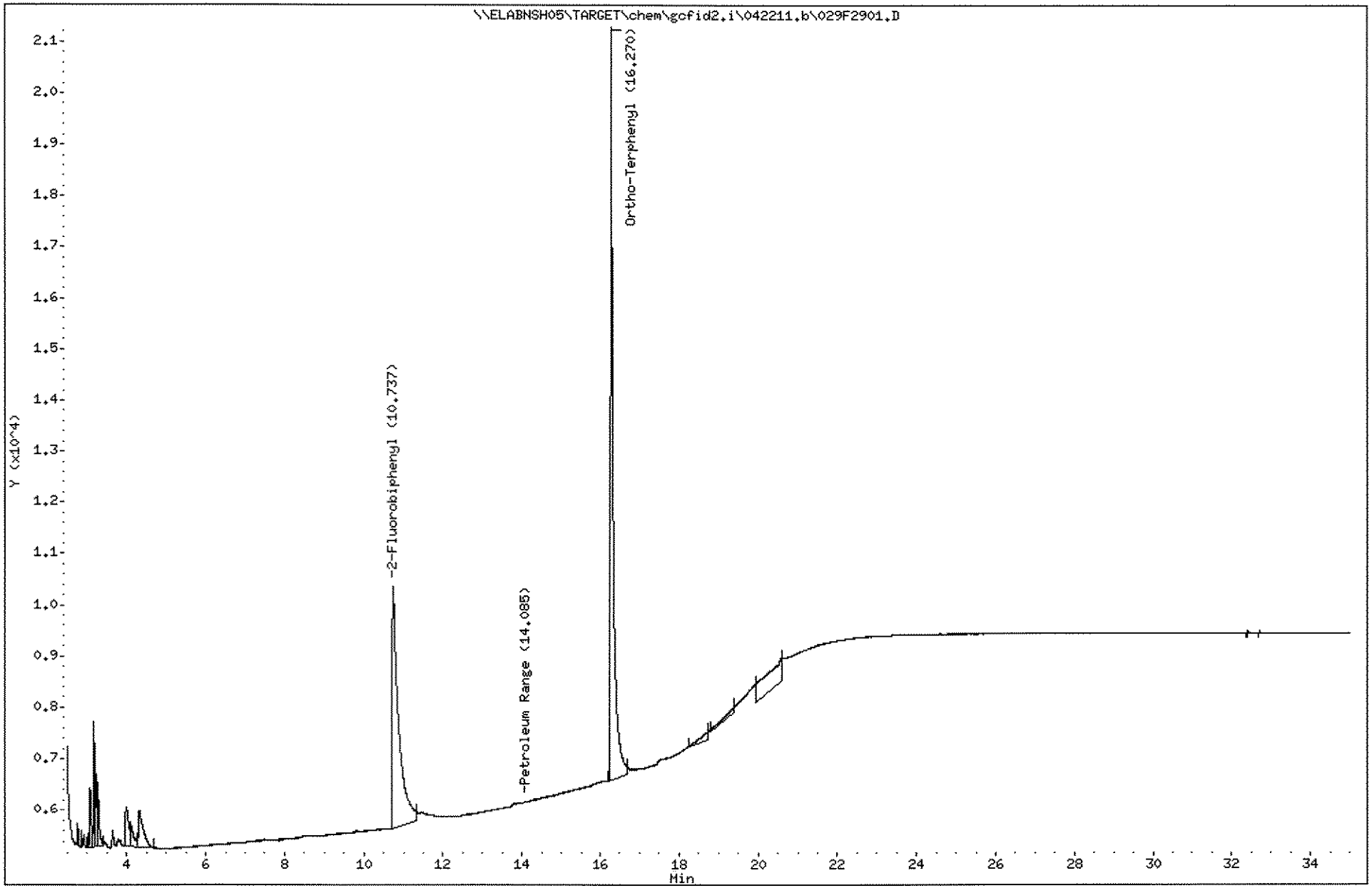
R - Spike/Surrogate failed recovery limits.

04/28/11

Data File: \\ELABNSH05\TARGET\chem\gcfid2.i\042211.b\029F2901.D
Date : 23-APR-2011 06:05
Client ID: 1D20020-BLK1
Sample Info: 1D20020-BLK1

Instrument: gcfid2.i
Operator: JLS
Column diameter: 0.32

Column phase: ZB-5ms



Laboratory Name

JLS 4.25.11

Data file : \\ELABNSH05\TARGET\chem\gcfid2.i\042211.b\030F3001.D
Lab Smp Id: 1D20020-BS1 Client Smp ID: 1D20020-BS1
Inj Date : 23-APR-2011 06:47
Operator : JLS Inst ID: gcfid2.i
Smp Info : 1D20020-BS1
Misc Info :
Comment :
Method : \\ELABNSH05\TARGET\chem\gcfid2.i\042211.b\FLPROF.m
Meth Date : 25-Apr-2011 09:50 jsales Quant Type: ESTD
Cal Date : 23-DEC-2008 17:56 Cal File: 004R0201.D
Als bottle: 30
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: PROSURR.sub
Target Version: 4.04
Processing Host: TARGET07_VM

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (mg/L)	FINAL (mg/L)
S 1 Petroleum Range	2.907-25.263			2339652	1385.30	1385
$ 2 2-Fluorobiphenyl	10.640	10.613	0.027	49547	16.9653	16.96(R)
$ 3 Ortho-Terphenyl	16.236	16.236	0.000	65695	17.2755	17.28(R)

QC Flag Legend

R - Spike/Surrogate failed recovery limits.

2-F: $\frac{49547}{2920.489} = 16.96531$

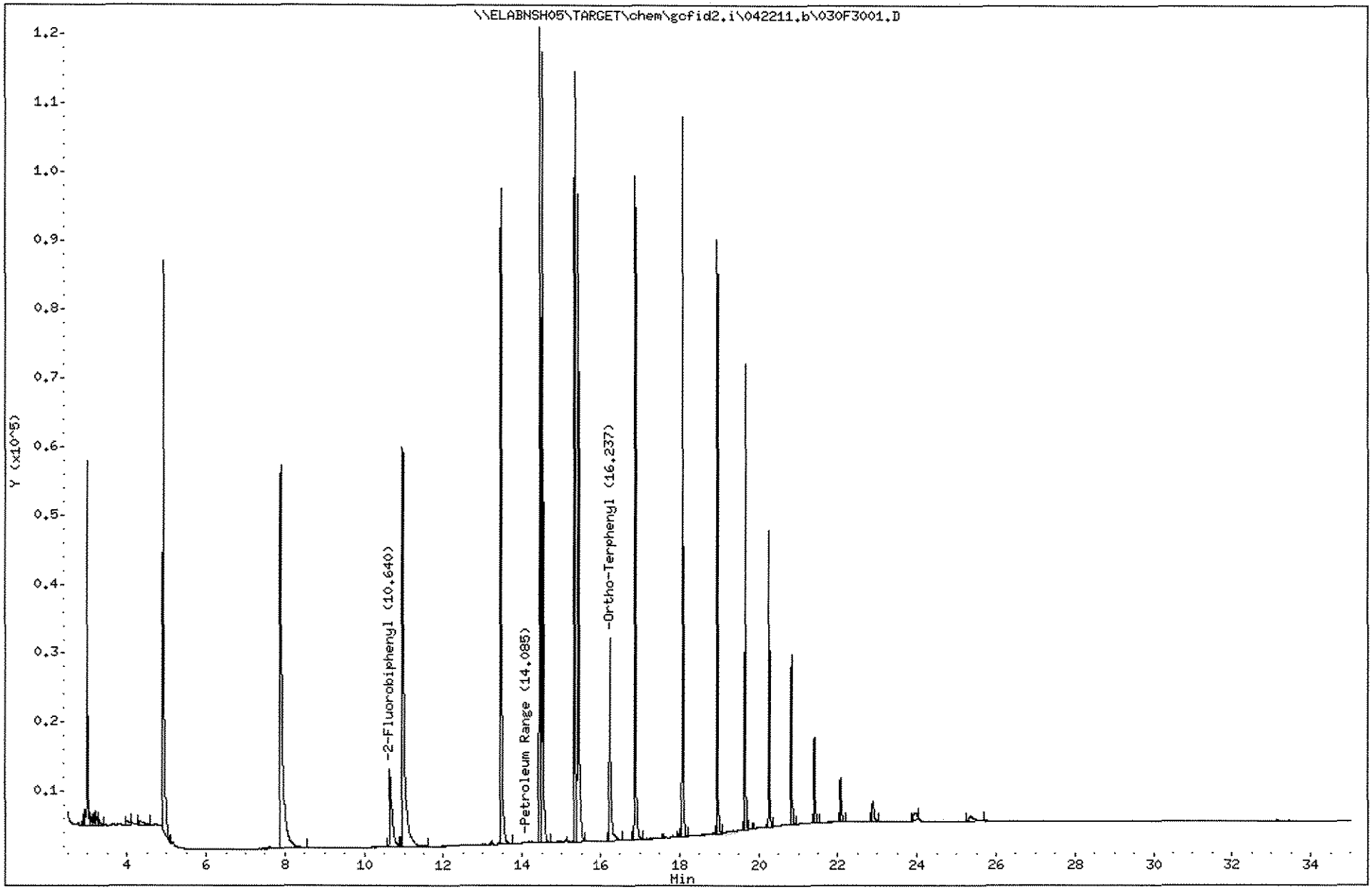
04/28/11

Data File: \\ELABNSH05\TARGET\chem\gcfid2.i\042211.b\030F3001.D
Date : 23-APR-2011 06:47
Client ID: 1D20020-BS1
Sample Info: 1D20020-BS1

Instrument: gcfid2.i

Operator: JLS
Column diameter: 0.32

Column phase: ZB-5ms



Laboratory Name

JLS 4.25.11

Data file : \\ELABNSH05\TARGET\chem\gcfid2.i\042211.b\031F3101.D
Lab Smp Id: 1D20020-BSD1 Client Smp ID: 1D20020-BSD1
Inj Date : 23-APR-2011 07:29
Operator : JLS Inst ID: gcfid2.i
Smp Info : 1D20020-BSD1
Misc Info :
Comment :
Method : \\ELABNSH05\TARGET\chem\gcfid2.i\042211.b\FLPROF.m
Meth Date : 25-Apr-2011 09:50 jsales Quant Type: ESTD
Cal Date : 23-DEC-2008 17:56 Cal File: 004R0201.D
Als bottle: 31
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: PROSURR.sub
Target Version: 4.04
Processing Host: TARGET07_VM

						CONCENTRATIONS	
						ON-COLUMN	FINAL
	Compounds	RT	EXP RT	DLT RT	RESPONSE	(mg/L)	(mg/L)
S	1 Petroleum Range	2.907-25.263			2399108	1420.50	1420
$	2 2-Fluorobiphenyl	10.640	10.613	0.027	50177	17.1810	17.18(R)
$	3 Ortho-Terphenyl	16.236	16.236	0.000	66210	17.4109	17.41(R)

QC Flag Legend

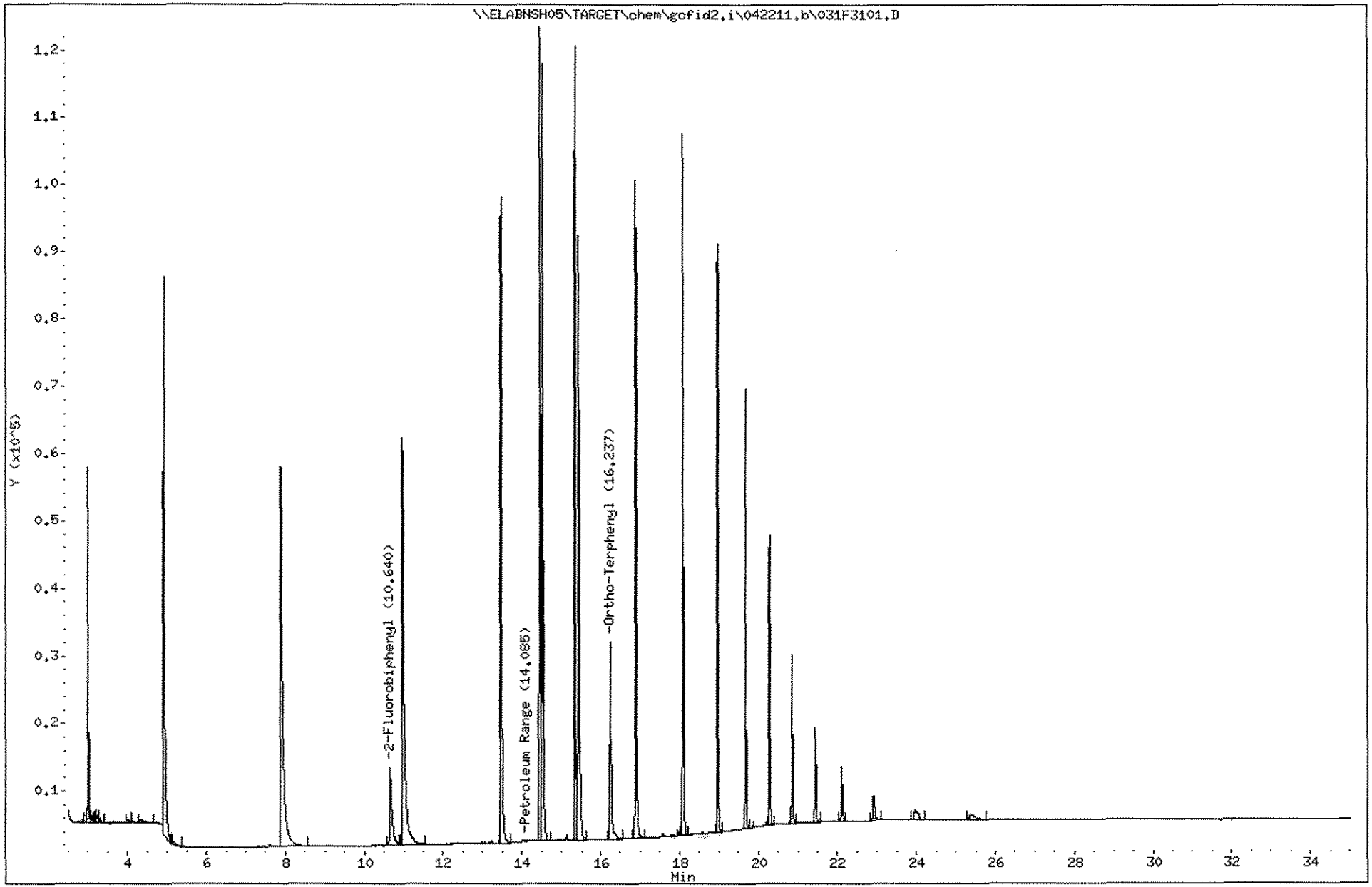
R - Spike/Surrogate failed recovery limits.

04/28/11

Data File: \\ELABNSH05\TARGET\chem\gcfid2.i\042211.b\031F3101.D
Date : 23-APR-2011 07:29
Client ID: 1D20020-BSD1
Sample Info: 1D20020-BSD1

Instrument: gcfid2.i
Operator: JLS
Column diameter: 0.32

Column phase: ZB-5ms



Laboratory Name

JLS 4.25.11

Data file : \\ELABNSH05\TARGET\chem\gcfid2.i\042211.b\032F3201.D
Lab Smp Id: 1104207-03 Client Smp ID: OLF54 MW14D
Inj Date : 23-APR-2011 08:12
Operator : JLS Inst ID: gcfid2.i
Smp Info : 1104207-03
Misc Info :
Comment :
Method : \\ELABNSH05\TARGET\chem\gcfid2.i\042211.b\FLPROF.m
Meth Date : 25-Apr-2011 09:50 jsales Quant Type: ESTD
Cal Date : 23-DEC-2008 17:56 Cal File: 004R0201.D
Als bottle: 32
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: PROSURR.sub
Target Version: 4.04
Processing Host: TARGET07_VM

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (mg/L)	CONCENTRATIONS FINAL (mg/L)
$ 2 2-Fluorobiphenyl	10.773	10.613	0.160	49597	16.9824	16.98(R)
$ 3 Ortho-Terphenyl	16.286	16.236	0.050	56987	14.9856	14.98(R)

QC Flag Legend

R - Spike/Surrogate failed recovery limits.

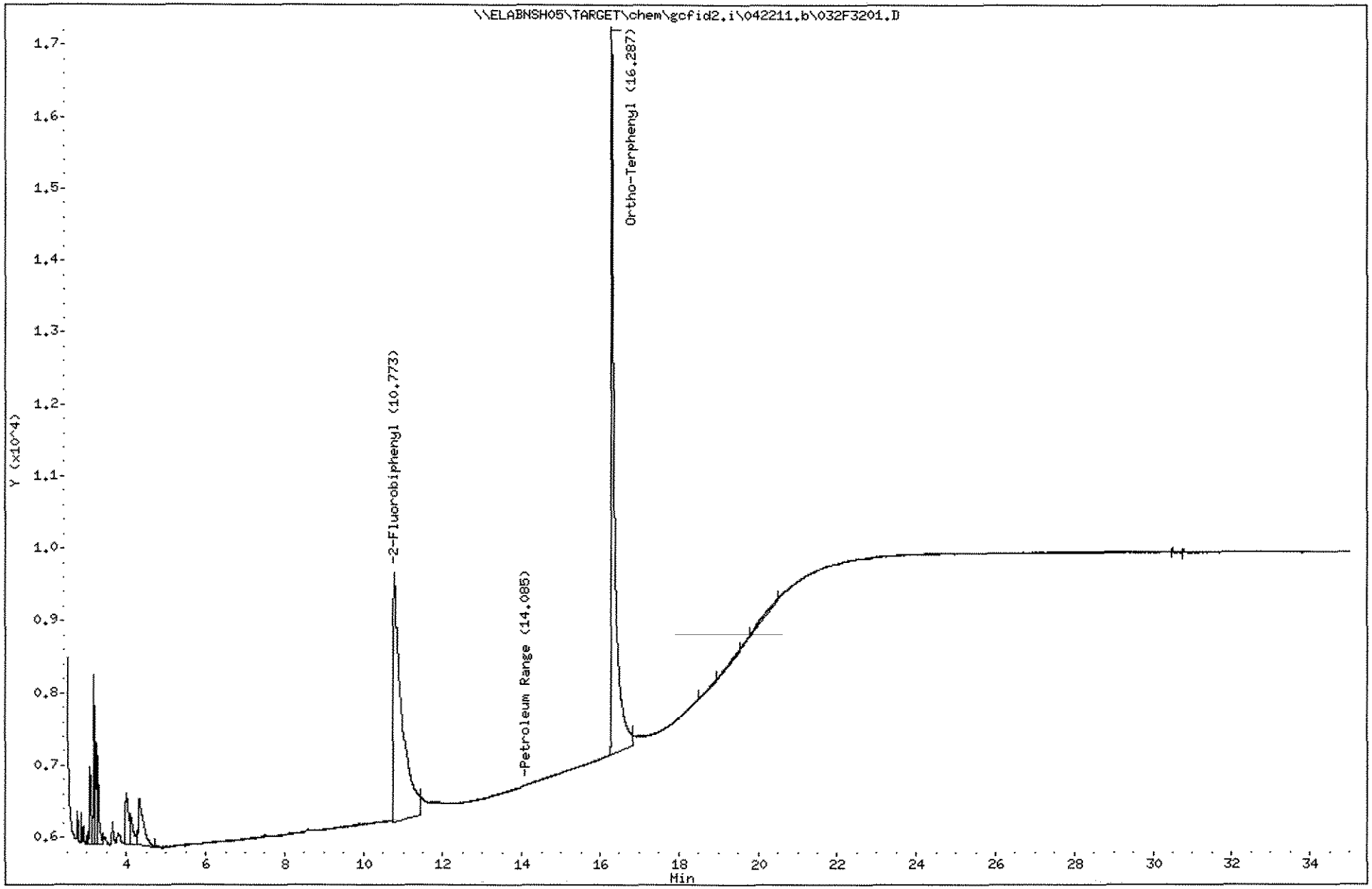
04/28/11

Data File: \\ELABNSH05\TARGET\chem\gcfid2.i\042211.b\032F3201.D
Date : 23-APR-2011 08:12
Client ID: OLF54 MW14D
Sample Info: 1104207-03

Instrument: gcfid2.i

Operator: JLS
Column diameter: 0.32

Column phase: ZB-5ms



510
CTOJM29_002

Laboratory Name

JLS 4.25.11

Data file : \\ELABNSH05\TARGET\chem\gcfid2.i\042211.b\033F3301.D
Lab Smp Id: 1104207-05 Client Smp ID: OLF54 MW31S
Inj Date : 23-APR-2011 08:54
Operator : JLS Inst ID: gcfid2.i
Smp Info : 1104207-05
Misc Info :
Comment :
Method : \\ELABNSH05\TARGET\chem\gcfid2.i\042211.b\FLPROF.m
Meth Date : 25-Apr-2011 09:50 jsales Quant Type: ESTD
Cal Date : 23-DEC-2008 17:56 Cal File: 004R0201.D
Als bottle: 33
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: PROSURR.sub
Target Version: 4.04
Processing Host: TARGET07_VM

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (mg/L)	CONCENTRATIONS FINAL (mg/L)
$ 2 2-Fluorobiphenyl	10.710	10.613	0.097	54331	18.6034	18.60(R)
$ 3 Ortho-Terphenyl	16.283	16.236	0.047	53979	14.1946	14.19(R)

QC Flag Legend

R - Spike/Surrogate failed recovery limits.

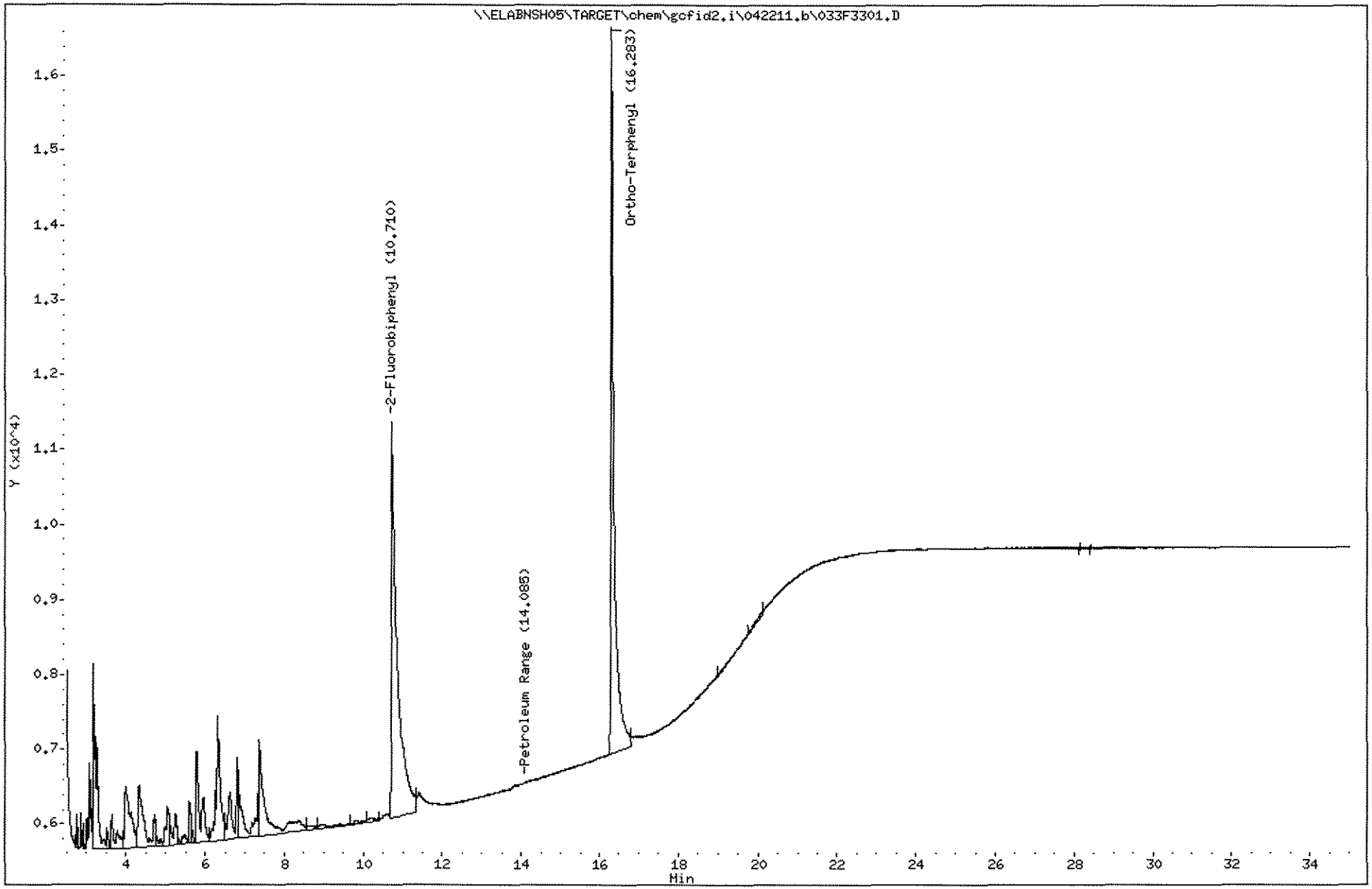
04/28/11

Data File: \\ELABNSH05\TARGET\chem\gcfid2.i\042211.b\033F3301.D
Date : 23-APR-2011 08:54
Client ID: OLF54 MW31S
Sample Info: 1104207-05

Instrument: gcfid2.i

Operator: JLS
Column diameter: 0.32

Column phase: ZB-5ms



JLS 4.25.11

Laboratory Name

Data file : \\ELABNSH05\TARGET\chem\gcfid2.i\042211.b\034F3401.D
Lab Smp Id: 1104207-06 Client Smp ID: OLF54 MW29D
Inj Date : 23-APR-2011 09:37
Operator : JLS Inst ID: gcfid2.i
Smp Info : 1104207-06
Misc Info :
Comment :
Method : \\ELABNSH05\TARGET\chem\gcfid2.i\042211.b\FLPROF.m
Meth Date : 25-Apr-2011 09:50 jsales Quant Type: ESTD
Cal Date : 23-DEC-2008 17:56 Cal File: 004R0201.D
Als bottle: 34
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: PROSURR.sub
Target Version: 4.04
Processing Host: TARGET07_VM

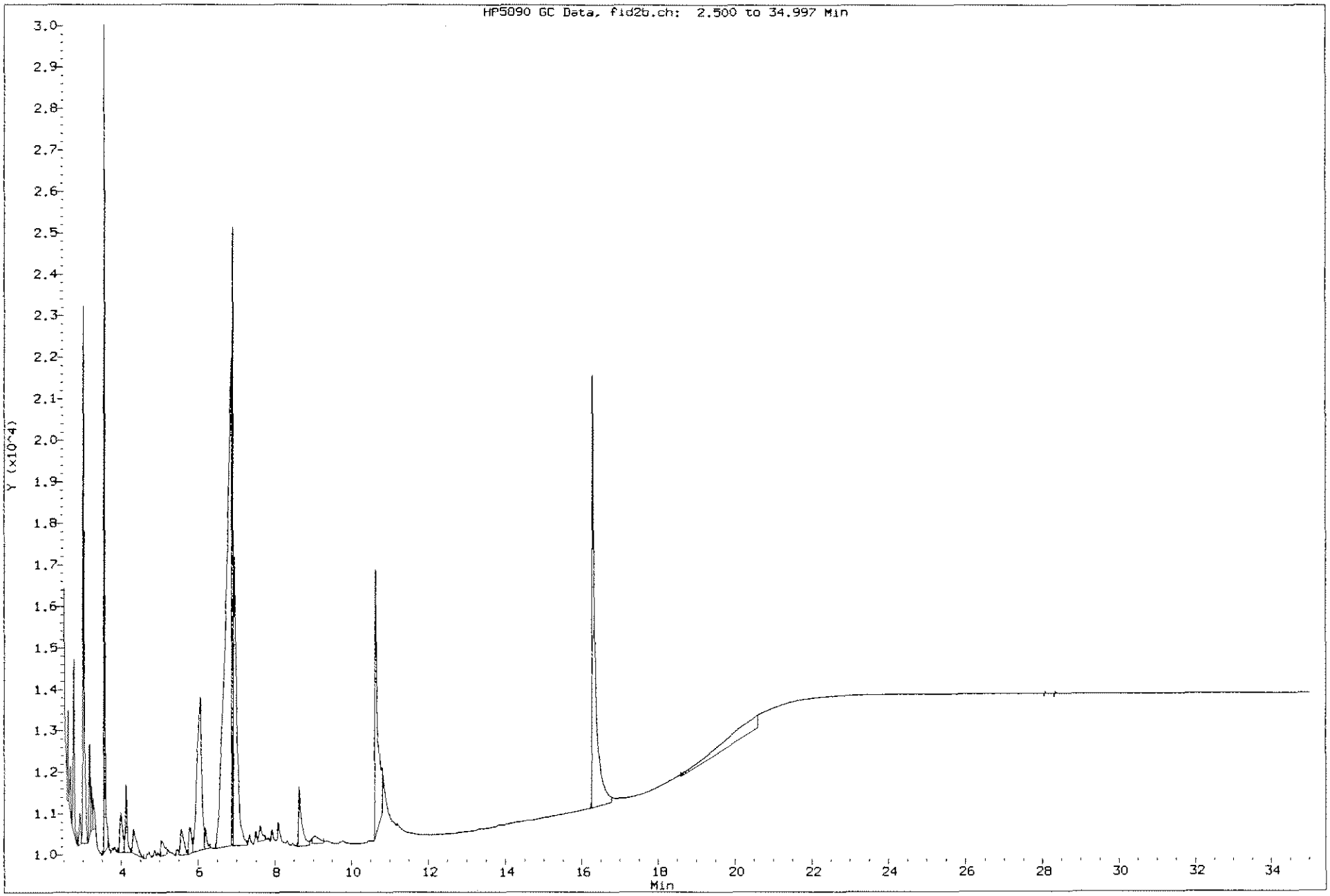
	Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (mg/L)	FINAL (mg/L)
S	1 Petroleum Range	2.907-25.263			422107	249.927	249.9(M)
$	2 2-Fluorobiphenyl	10.616	10.613	0.003	52472	17.9669	17.97(RM)
$	3 Ortho-Terphenyl	16.283	16.236	0.047	57561	15.1365	15.14(RM)

QC Flag Legend

R - Spike/Surrogate failed recovery limits.
M - Compound response manually integrated.

04/28/11

Data File: \\ELABNSHOS\TARGET\chem\gcfid2.i\042211.b\034F3401.D
Injection Date: 23-APR-2011 09:37
Instrument: gcfid2.i
Client Sample ID: OLF54 MW29D



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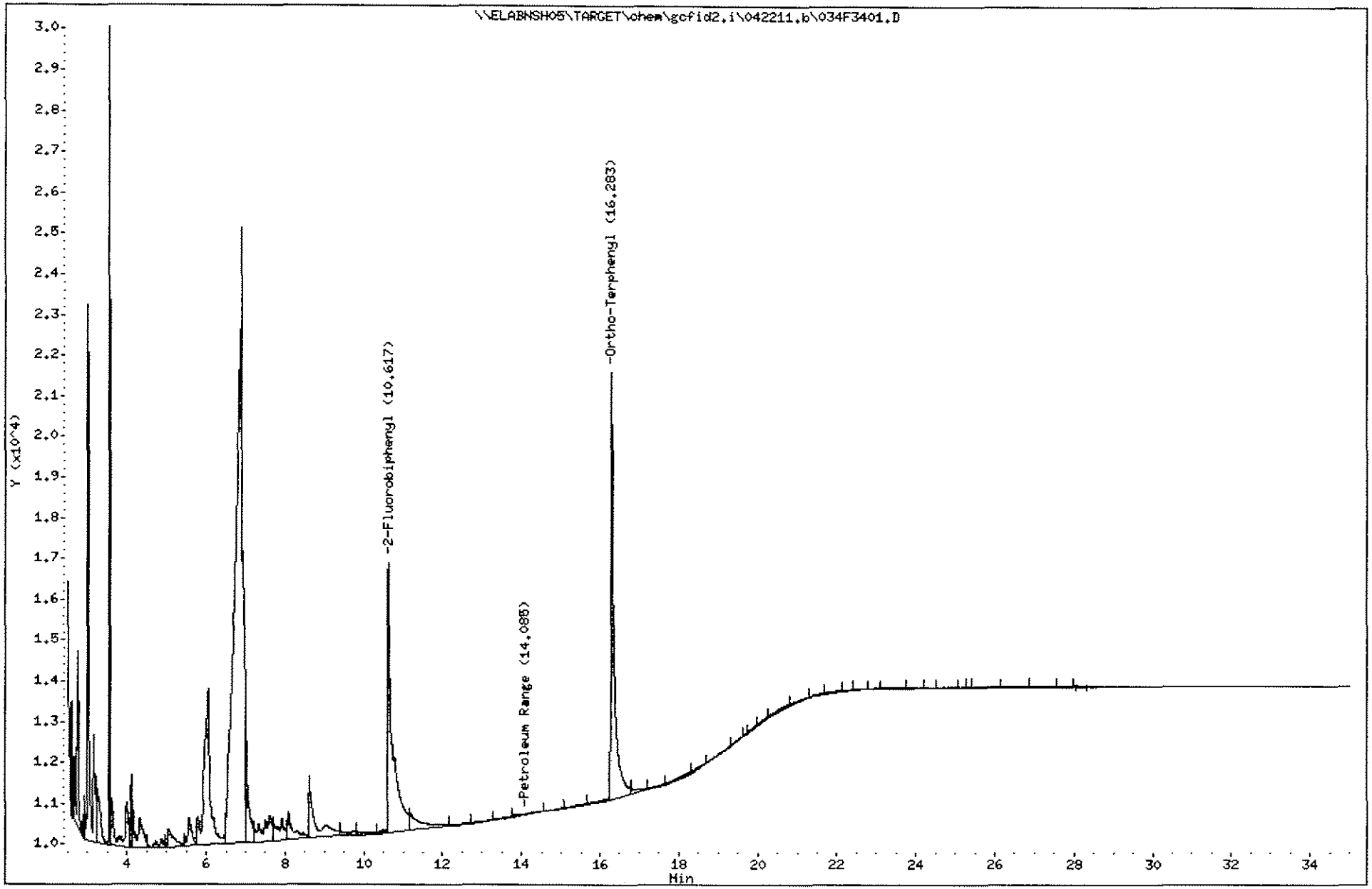
CTOJM29_002

Data File: \\ELABNSH05\TARGET\chem\gcfid2.i\042211.b\034F3401.D
Date : 23-APR-2011 09:37
Client ID: OLF54 MW29D
Sample Info: 1104207-06

Column phase: ZB-5ms

Instrument: gcfid2.i

Operator: JLS
Column diameter: 0.32



JLS 4.25.11

Laboratory Name

Data file : \\ELABNSH05\TARGET\chem\gcfid2.i\042211.b\035F3501.D
Lab Smp Id: 1104207-07 Client Smp ID: OLF54 MW02D
Inj Date : 23-APR-2011 10:19
Operator : JLS Inst ID: gcfid2.i
Smp Info : 1104207-07
Misc Info :
Comment :
Method : \\ELABNSH05\TARGET\chem\gcfid2.i\042211.b\FLPROF.m
Meth Date : 25-Apr-2011 09:50 jsales Quant Type: ESTD
Cal Date : 23-DEC-2008 17:56 Cal File: 004R0201.D
Als bottle: 35
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: PROSURR.sub
Target Version: 4.04
Processing Host: TARGET07_VM

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (mg/L)	FINAL (mg/L)
$ 2 2-Fluorobiphenyl	10.813	10.613	0.200	45188	15.4728	15.47(R)
$ 3 Ortho-Terphenyl	16.303	16.236	0.067	48750	12.8195	12.82(R)

QC Flag Legend

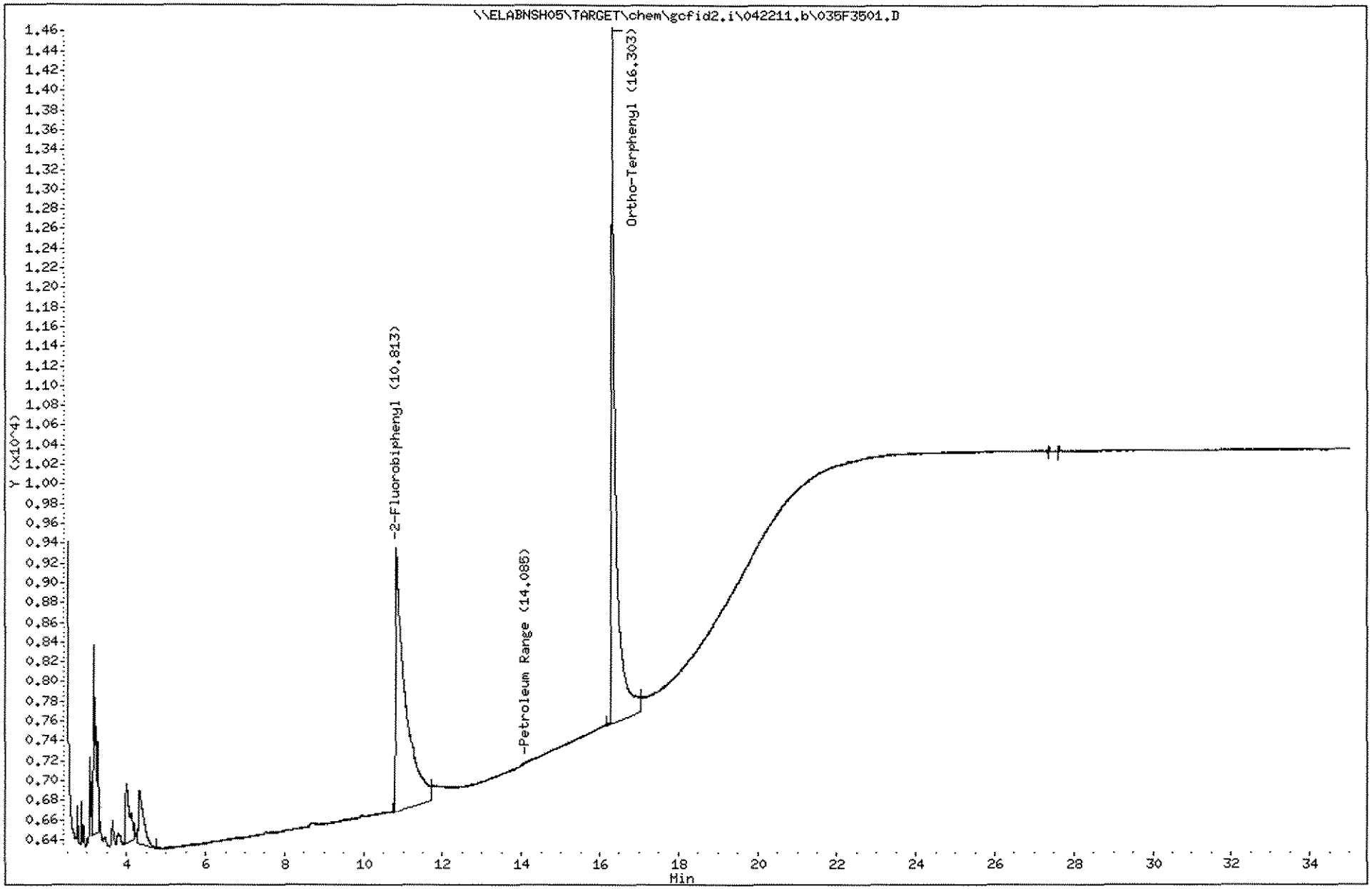
R - Spike/Surrogate failed recovery limits.

04/28/11

Data File: \\ELABNSH05\TARGET\chem\gcfid2.i\042211.b\035F3501.D
Date : 23-APR-2011 10:19
Client ID: OLF54 MW02D
Sample Info: 1104207-07

Instrument: gcfid2.i
Operator: JLS
Column diameter: 0.32

Column phase: ZB-5ms



Laboratory Name

JLS 4.28.11

Data file : \\ELABNSH05\TARGET\chem\gcfid2.i\042211.b\036F3601.D
Lab Smp Id: 1104207-08 Client Smp ID: OLF54 MW03S
Inj Date : 23-APR-2011 11:01
Operator : JLS Inst ID: gcfid2.i
Smp Info : 1104207-08
Misc Info :
Comment :
Method : \\ELABNSH05\TARGET\chem\gcfid2.i\042211.b\FLPROF.m
Meth Date : 25-Apr-2011 09:50 jsales Quant Type: ESTD
Cal Date : 23-DEC-2008 17:56 Cal File: 004R0201.D
Als bottle: 36
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: PROSURR.sub
Target Version: 4.04
Processing Host: TARGET07_VM

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (mg/L)	FINAL (mg/L)
$ 2 2-Fluorobiphenyl	10.803	10.613	0.190	47422	16.2377	16.24(R)
$ 3 Ortho-Terphenyl	16.296	16.236	0.060	53500	14.0686	14.07(R)

QC Flag Legend

R - Spike/Surrogate failed recovery limits.

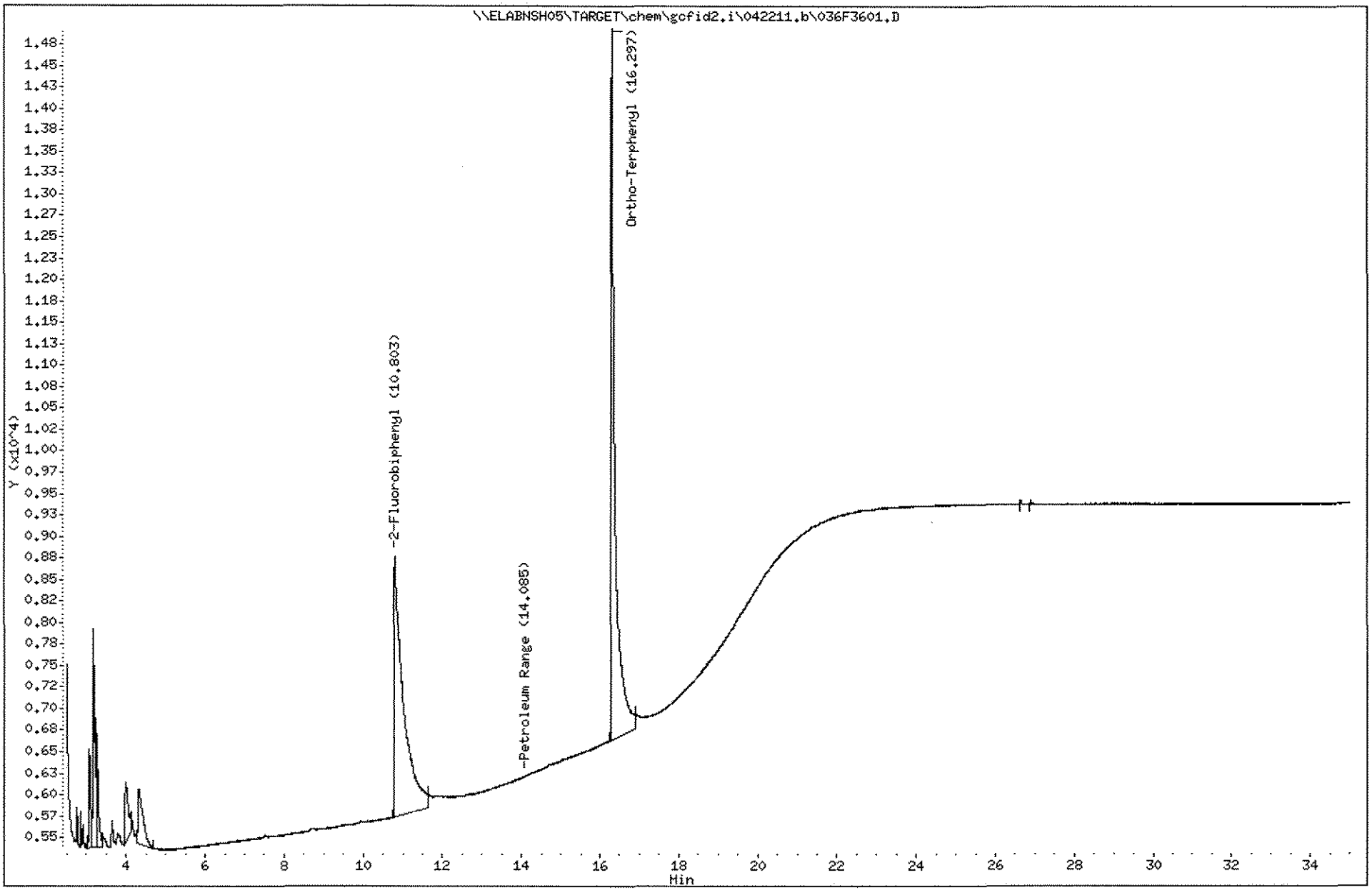
04/28/11

Data File: \\ELABNSH05\TARGET\chem\gcfid2.i\042211.b\036F3601.D
Date : 23-APR-2011 11:01
Client ID: OLF54 MW03S
Sample Info: 1104207-08

Instrument: gcfid2.i

Operator: JLS
Column diameter: 0.32

Column phase: ZB-5ms



Laboratory Name

JLS 4-25-11

Data file : \\ELABNSH05\TARGET\chem\gcfid2.i\042211.b\037F3701.D
Lab Smp Id: 1104207-09 Client Smp ID: FB04151101
Inj Date : 23-APR-2011 11:44
Operator : JLS Inst ID: gcfid2.i
Smp Info : 1104207-09
Misc Info :
Comment :
Method : \\ELABNSH05\TARGET\chem\gcfid2.i\042211.b\FLPROF.m
Meth Date : 25-Apr-2011 09:50 jsales Quant Type: ESTD
Cal Date : 23-DEC-2008 17:56 Cal File: 004R0201.D
Als bottle: 37
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: PROSURR.sub
Target Version: 4.04
Processing Host: TARGET07_VM

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (mg/L)	CONCENTRATIONS FINAL (mg/L)
$ 2 2-Fluorobiphenyl	10.780	10.613	0.167	49428	16.9246	16.92(R)
$ 3 Ortho-Terphenyl	16.293	16.236	0.057	56939	14.9729	14.97(R)

QC Flag Legend

R - Spike/Surrogate failed recovery limits.

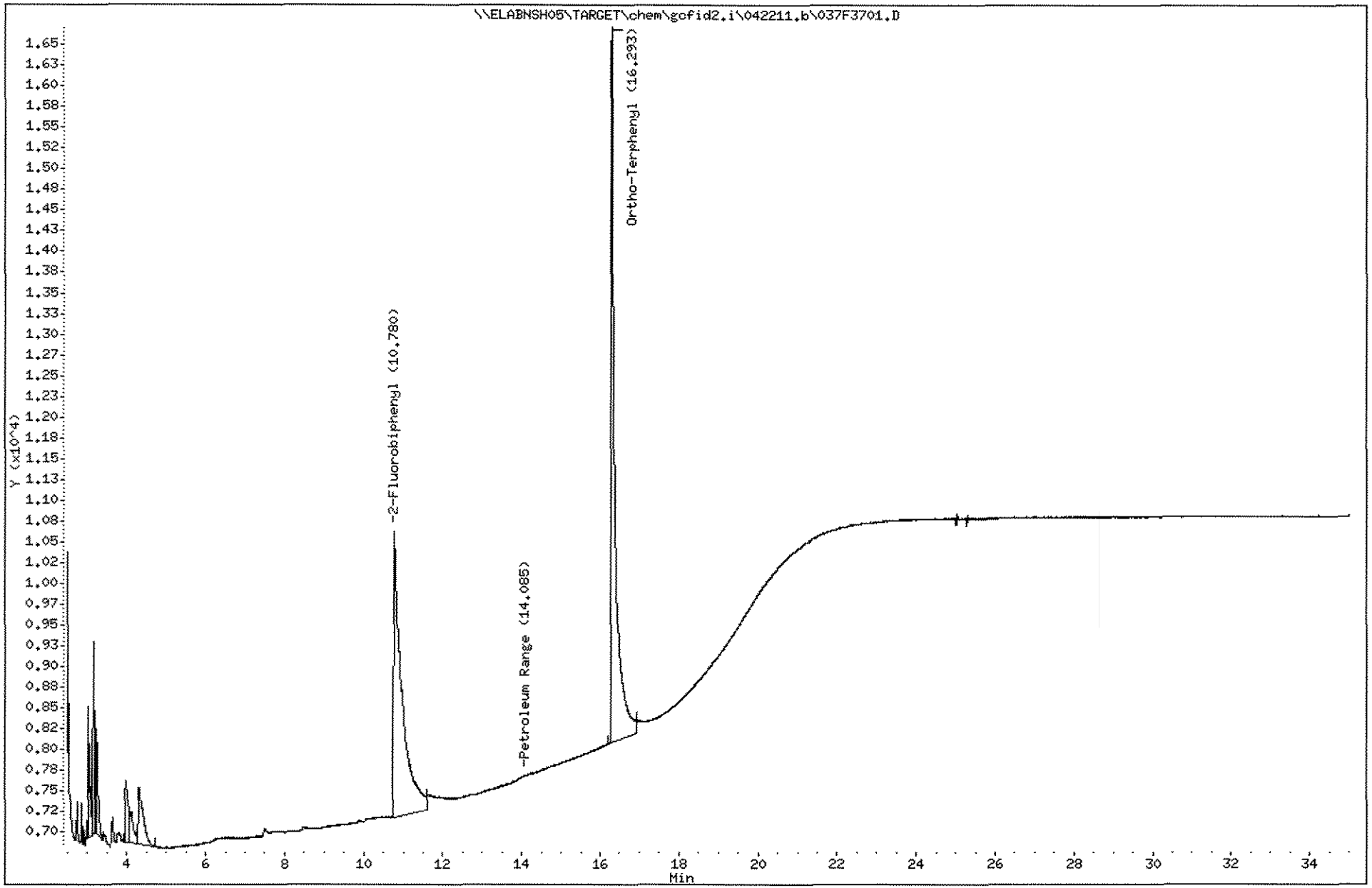
04/28/11

Data File: \\ELABNSH05\TARGET\chem\gcfid2.i\042211.b\037F3701.D
Date : 23-APR-2011 11:44
Client ID: FB04151101
Sample Info: 1104207-09

Instrument: gcfid2.i

Operator: JLS
Column diameter: 0.32

Column phase: ZB-5ms



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CTOJM29_002

JLS 4.25.11

Laboratory Name

Data file : \\ELABNSH05\TARGET\chem\gcfid2.i\042211.b\041F4101.D
Lab Smp Id: SEQ-CCV3
Inj Date : 23-APR-2011 14:34
Operator : JLS Inst ID: gcfid2.i
Smp Info : SEQ-CCV3
Misc Info :
Comment :
Method : \\ELABNSH05\TARGET\chem\gcfid2.i\042211.b\FLPROF.m
Meth Date : 25-Apr-2011 09:51 jsales Quant Type: ESTD
Cal Date : 23-DEC-2008 17:56 Cal File: 004R0201.D
Als bottle: 41 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: PROSURR.sub
Target Version: 4.04
Processing Host: TARGET07_VM

Compounds	RT	EXP RT	DLT RT	RESPONSE		AMOUNTS CAL-AMT (mg/L)	AMOUNTS ON-COL (mg/L)
S 1 Petroleum Range	2.907-25.263			6852284	*	4250.00	4057
$ 2 2-Fluorobiphenyl	10.613	10.613	0.000	62267		25.0000	21.32
$ 3 Ortho-Terphenyl	16.233	16.236	-0.003	85938		25.0000	22.60

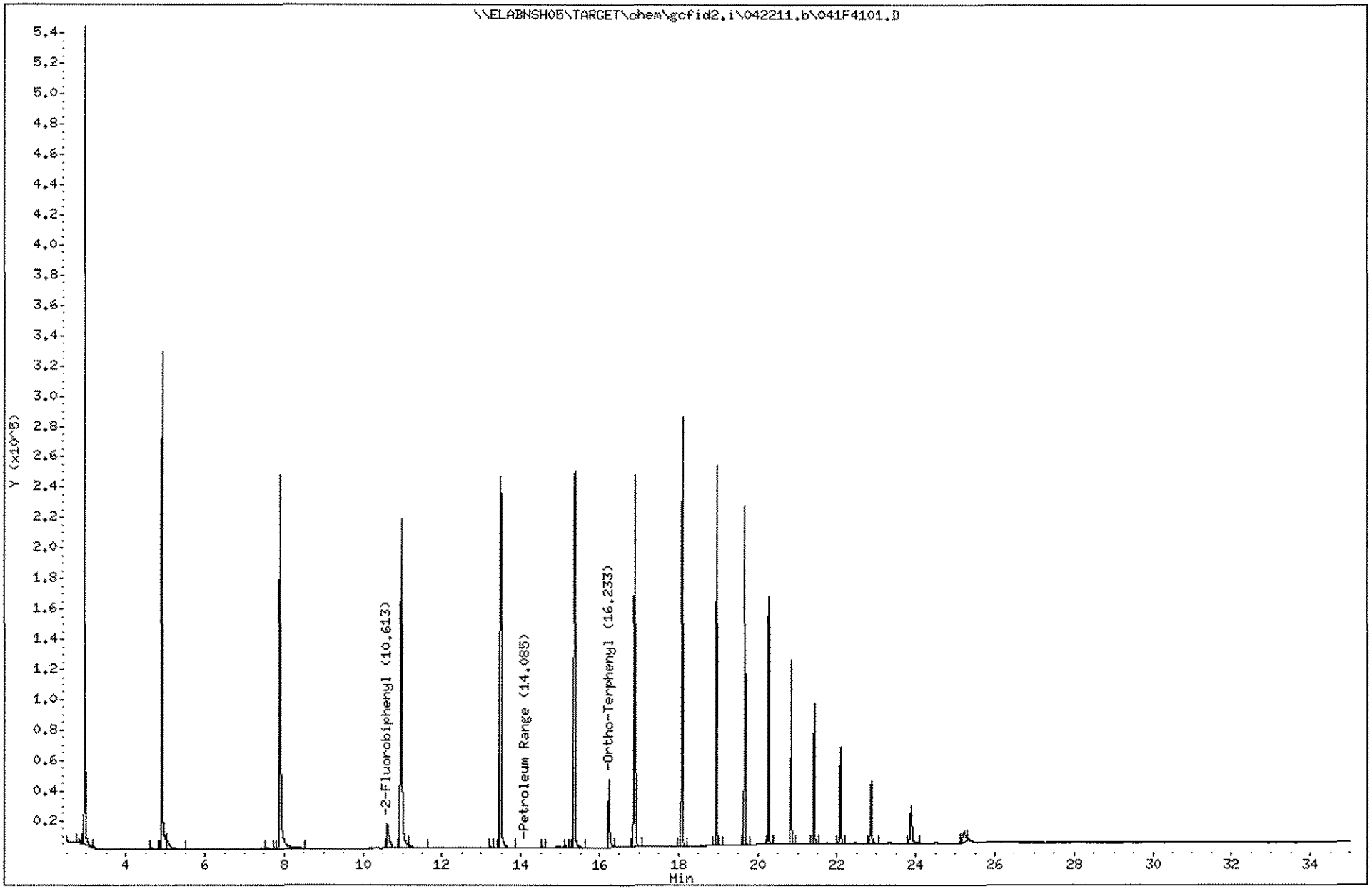
04/28/11

Data File: \\ELABNSH05\TARGET\chem\gcfid2.i\042211.b\041F4101.D
Date : 23-APR-2011 14:34
Client ID:
Sample Info: SEQ-CCV3

Instrument: gcfid2.i

Operator: JLS
Column diameter: 0.32

Column phase: ZB-5ms



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CTOJM29_002

PREPARATION BENCH SHEET

1D19026

Empirical Laboratories, LLC

Printed: 4/27/2011 2:50:05PM

Matrix: Water **Prepared using: EXT - EXT_3510** **Surrogate used: 11D0279**

Lab Number	Cont ID	Test Code	Prepared	Initial (mL)	Final (mL)	Spike ID	Source ID	ul Spike	ul Surrogate	Extraction Comments
1104144-01	K	SGC_FLPRO_3510C	04/20/2011 13:45	1080	2				1000	
1104144-02	J	SGC_FLPRO_3510C	04/20/2011 13:45	1080	2				1000	
1104144-03	J	SGC_FLPRO_3510C	04/20/2011 13:45	1080	2				1000	
1104144-04	K	SGC_FLPRO_3510C	04/20/2011 13:45	1080	2				1000	
1104144-05	K	SGC_FLPRO_3510C	04/20/2011 13:45	1080	2				1000	
1104144-06	J	SGC_FLPRO_3510C	04/20/2011 13:45	1080	2				1000	
1104152-01	D	SGC_FLPRO_3510C	04/20/2011 13:45	1080	2				1000	
1104152-03	C	SGC_FLPRO_3510C	04/20/2011 13:45	1080	2				1000	
1104152-05	K	SGC_FLPRO_3510C	04/20/2011 13:45	1080	2				1000	
1104187-01	G	SGC_FLPRO_3510C	04/20/2011 13:45	1080	2				1000	
1104187-02	G	SGC_FLPRO_3510C	04/20/2011 13:45	1070	2					
1104187-03	L	SGC_FLPRO_3510C	04/20/2011 13:45	1080	2					
1104187-04	K	SGC_FLPRO_3510C	04/20/2011 13:45	1080	2					
1104187-06	G	SGC_FLPRO_3510C	04/20/2011 13:45	1080	2					
1104189-01	G	SGC_FLPRO_3510C	04/20/2011 13:45	1080	2					
1104189-02	G	SGC_FLPRO_3510C	04/20/2011 13:45	1080	2					
1104189-03	G	SGC_FLPRO_3510C	04/20/2011 13:45	1070	2					
1104191-01	J	SGC_FLPRO_3510C	04/20/2011 13:45	1070	2					
1104191-02	K	SGC_FLPRO_3510C	04/20/2011 13:45	1080	2					
1104207-04	F	SGC_FLPRO_3510C	04/20/2011 13:45	1080	2					
1D19026-BLK1		QC	04/20/2011 13:45	1000	2				1000	
1D19026-BS1		QC	04/20/2011 13:45	1000	2	11D0370		1000	1000	
1D19026-BSD1		QC	04/20/2011 13:45	1000	2	11D0370		1000	1000	

Spiking Witnessed By Date

Preparation Reviewed By Date

Extracts Received By Date

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CTOJM29_002

PREPARATION BENCH SHEET

1D19026

Empirical Laboratories, LLC

Printed: 4/27/2011 2:50:05PM

525

Matrix: Water **Prepared using: EXT - EXT_3510** **Surrogate used: 11D0279**

Lab Number	Cont ID	Test Code	Prepared	Initial (mL)	Final (mL)	Spike ID	Source ID	ul Spike	ul Surrogate	Extraction Comments

Spiking Witnessed By Date

Preparation Reviewed By Date

Extracts Received By Date

CTOJM29_002

PREPARATION BENCH SHEET

1D22020

Empirical Laboratories, LLC

Printed: 5/7/2011 5:07:30PM

Matrix: Water **Prepared using: WC - WC_PREP_ANIONS_W** **(No Surrogate)**

Lab Number	Cont ID	Test Code	Prepared	Initial (mL)	Final (mL)	Spike ID	Source ID	ul Spike	ul Surrogate	Extraction Comments
1104262-01	A	WC_ANIONS_300.0 (Regular)	04/22/2011 12:52	5	5					See version
1104262-01	A	WC_ANIONS_300.0 (Short Hold)	04/22/2011 12:52	5	5					See Version
1104262-02	A	WC_ANIONS_300.0 (Regular)	04/22/2011 12:52	5	5					See version
1104262-02	A	WC_ANIONS_300.0 (Short Hold)	04/22/2011 12:52	5	5					See Version
1104262-03	A	WC_ANIONS_300.0 (Regular)	04/22/2011 12:52	5	5					See version
1104262-03	A	WC_ANIONS_300.0 (Short Hold)	04/22/2011 12:52	5	5					See Version
1104262-04	A	WC_ANIONS_300.0 (Regular)	04/22/2011 12:52	5	5					See version
1104262-04	A	WC_ANIONS_300.0 (Short Hold)	04/22/2011 12:52	5	5					See Version
1104262-05	A	WC_ANIONS_300.0 (Regular)	04/22/2011 12:52	5	5					See version
1104262-05	A	WC_ANIONS_300.0 (Short Hold)	04/22/2011 12:52	5	5					See Version
1104263-01	J	WC_ANIONS_300.0 (Short Hold)	04/22/2011 12:52	5	5					NO3 only
1104263-02	J	WC_ANIONS_300.0 (Short Hold)	04/22/2011 12:52	5	5					NO3 only
1104263-03	J	WC_ANIONS_300.0 (Short Hold)	04/22/2011 12:52	5	5					NO3 only
1104263-04	J	WC_ANIONS_300.0 (Short Hold)	04/22/2011 12:52	5	5					NO3 only
1104263-05	J	WC_ANIONS_300.0 (Regular)	04/22/2011 12:52	5	5					Added for BatchQC in: 1D22020
1104263-05	J	WC_ANIONS_300.0 (Short Hold)	04/22/2011 12:52	5	5					NO3 only
1104263-06	J	WC_ANIONS_300.0 (Short Hold)	04/22/2011 12:52	5	5					NO3 only
1104263-07	J	WC_ANIONS_300.0 (Short Hold)	04/22/2011 12:52	5	5					NO3 only
1104263-08	J	WC_ANIONS_300.0 (Short Hold)	04/22/2011 12:52	5	5					NO3 only
1104263-09	J	WC_ANIONS_300.0 (Short Hold)	04/22/2011 12:52	5	5					NO3 only
1104263-10	J	WC_ANIONS_300.0 (Short Hold)	04/22/2011 12:52	5	5					NO3 only
1104263-11	J	WC_ANIONS_300.0 (Short Hold)	04/22/2011 12:52	5	5					NO3 only
1D22020-BLK1		QC	04/22/2011 12:52	5	5					

Spiking Witnessed By Date

Preparation Reviewed By Date

Extracts Received By Date

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CTOJM29_002

PREPARATION BENCH SHEET

1D22020

Empirical Laboratories, LLC

Printed: 5/7/2011 5:07:30PM

527

Matrix: Water **Prepared using: WC - WC_PREP_ANIONS_W** **(No Surrogate)**

Lab Number	Cont ID	Test Code	Prepared	Initial (mL)	Final (mL)	Spike ID	Source ID	ul Spike	ul Surrogate	Extraction Comments
1D22020-BS1		QC	04/22/2011 12:52	5	5	11C0344		5000		
1D22020-DUP1		QC	04/22/2011 12:52	5	5		1104263-05			
1D22020-MS1		QC	04/22/2011 12:52	22.5	25	11C0094	1104263-05	2500		
1D22020-MSD1		QC	04/22/2011 12:52	22.5	25	11C0094	1104263-05	2500		

Spiking Witnessed By Date

Preparation Reviewed By Date

Extracts Received By Date

CTOJM29_002

Data for SW6010C Forms

ANALYSIS DATA SHEET

OLFS4 MW46S

Laboratory: Empirical Laboratories, LLC
Client: Tetra Tech NUS, Inc. (T010)
Matrix: Ground Water
Sampled: 04/14/11 19:00
% Solids: 0.00

SDG: CTOJM29_002
Project: Saufley Field Site 4 CTOJM29
Laboratory ID: 1104207-01
Received: 04/18/11 15:45

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7439-89-6	Iron	15100	30.0	60.0	100	1		SW6010C	1D26001	04/28/11 16:08
7439-96-5	Manganese	734	3.00	6.00	15.0	1		SW6010C	1D26001	04/28/11 16:08

ANALYSIS DATA SHEET

FD04141102

Laboratory: Empirical Laboratories, LLC
Client: Tetra Tech NUS, Inc. (T010)
Matrix: Ground Water
Sampled: 04/14/11 00:00
% Solids: 0.00

SDG: CTOJM29_002
Project: Saufley Field Site 4 CTOJM29
Laboratory ID: 1104207-02
Received: 04/18/11 15:45

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7439-89-6	Iron	13700	30.0	60.0	100	1		SW6010C	1D26001	04/28/11 16:13
7439-96-5	Manganese	703	3.00	6.00	15.0	1		SW6010C	1D26001	04/28/11 16:13

ANALYSIS DATA SHEET

FB04151101

Laboratory: Empirical Laboratories, LLC
Client: Tetra Tech NUS, Inc. (T010)
Matrix: Ground Water
Sampled: 04/15/11 14:58
% Solids: 0.00

SDG: CTOJM29_002
Project: Saufley Field Site 4 CTOJM29
Laboratory ID: 1104207-09
Received: 04/18/11 15:45

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7439-89-6	Iron		30.0	60.0	100	1	U	SW6010C	1E02004	05/03/11 14:25
7439-96-5	Manganese		3.00	6.00	15.0	1	U	SW6010C	1E02004	05/03/11 14:25

ANALYSIS DATA SHEET

FB04151101

Laboratory: Empirical Laboratories, LLC
Client: Tetra Tech NUS, Inc. (T010)
Matrix: Ground Water
Sampled: 04/15/11 14:58
% Solids: 0.00

SDG: CTOJM29_002
Project: Saufley Field Site 4 CTOJM29
Laboratory ID: 1104207-10
Received: 04/18/11 15:45

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7439-89-6	Iron (dissolved)		30.0	60.0	100	1	U	SW6010C	1D28003	04/28/11 13:59
7439-96-5	Manganese (dissolved)		3.00	6.00	15.0	1	U	SW6010C	1D28003	04/28/11 13:59

ANALYSIS DATA SHEET

OLFS4 MW46S

Laboratory: Empirical Laboratories, LLC
Client: Tetra Tech NUS, Inc. (T010)
Matrix: Ground Water
Sampled: 04/14/11 19:00
% Solids: 0.00

SDG: CTOJM29_002
Project: Saufley Field Site 4 CTOJM29
Laboratory ID: 1104207-12
Received: 04/18/11 15:45

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7429-90-5	Aluminum	296	12.5	25.0	50.0	1		SW6010C	1E04007	05/05/11 12:51
7440-47-3	Chromium	0.678	0.500	1.00	2.50	1	I	SW6010C	1E04007	05/05/11 12:51
7439-89-6	Iron	13400	7.50	15.0	25.0	1	Q	SW6010C	1E04007	05/05/11 12:51
7439-96-5	Manganese	598	0.750	1.50	3.75	1		SW6010C	1E04007	05/05/11 12:51
7440-02-0	Nickel	2.08	0.750	1.50	2.50	1	I	SW6010C	1E04007	05/05/11 12:51

ANALYSIS DATA SHEET

FD04141102

Laboratory: Empirical Laboratories, LLC
Client: Tetra Tech NUS, Inc. (T010)
Matrix: Ground Water
Sampled: 04/14/11 00:00
% Solids: 0.00

SDG: CTOJM29_002
Project: Saufley Field Site 4 CTOJM29
Laboratory ID: 1104207-13
Received: 04/18/11 15:45

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7429-90-5	Aluminum	280	12.5	25.0	50.0	1		SW6010C	1E04007	05/05/11 12:56
7440-47-3	Chromium	0.593	0.500	1.00	2.50	1	I	SW6010C	1E04007	05/05/11 12:56
7439-89-6	Iron	13600	7.50	15.0	25.0	1	Q	SW6010C	1E04007	05/05/11 12:56
7439-96-5	Manganese	608	0.750	1.50	3.75	1		SW6010C	1E04007	05/05/11 12:56
7440-02-0	Nickel	1.86	0.750	1.50	2.50	1	I	SW6010C	1E04007	05/05/11 12:56

ANALYSIS DATA SHEET

FB04151101

Laboratory: Empirical Laboratories, LLC
Client: Tetra Tech NUS, Inc. (T010)
Matrix: Ground Water
Sampled: 04/15/11 14:58
% Solids: 0.00

SDG: CTOJM29_002
Project: Saufley Field Site 4 CTOJM29
Laboratory ID: 1104207-14
Received: 04/18/11 15:45

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7429-90-5	Aluminum		12.5	25.0	50.0	1	U	SW6010C	1E02013	05/03/11 16:59
7440-47-3	Chromium		0.500	1.00	2.50	1	U	SW6010C	1E02013	05/03/11 16:59
7439-89-6	Iron		7.50	15.0	25.0	1	U	SW6010C	1E02013	05/03/11 16:59
7439-96-5	Manganese		0.750	1.50	3.75	1	U	SW6010C	1E02013	05/03/11 16:59
7440-02-0	Nickel		0.750	1.50	2.50	1	U	SW6010C	1E02013	05/03/11 16:59

INITIAL AND CONTINUING CALIBRATION CHECK

SW6010C

Laboratory: Empirical Laboratories, LLC
Client: Tetra Tech NUS, Inc. (T010)
Instrument ID: ME-ICP

SDG: CTOJM29_002
Project: Saufley Field Site 4 CTOJM29
Calibration: 1118004
Sequence: 1D11813

Lab Sample ID	Analyte	True	Found	%R	Units	Control Limit
1D11813-ICV1	Iron	10000	10600	106	ug/L	+/- 10.00%
	Manganese	1000	1066	107	ug/L	+/- 10.00%
1D11813-CCV1	Iron	10000	10400	104	ug/L	+/- 10.00%
	Manganese	1000	1063	106	ug/L	+/- 10.00%
1D11813-CCV2	Iron	10000	10260	103	ug/L	+/- 10.00%
	Manganese	1000	1056	106	ug/L	+/- 10.00%
1D11813-CCV3	Iron	10000	10260	103	ug/L	+/- 10.00%
	Manganese	1000	1055	105	ug/L	+/- 10.00%
1D11813-CCV4	Iron	10000	10420	104	ug/L	+/- 10.00%
	Manganese	1000	1027	103	ug/L	+/- 10.00%
1D11813-CCV5	Iron	10000	10600	106	ug/L	+/- 10.00%
	Manganese	1000	1055	106	ug/L	+/- 10.00%

INITIAL AND CONTINUING CALIBRATION CHECK

SW6010C

Laboratory: Empirical Laboratories, LLC
SDG: CTOJM29_002
Client: Tetra Tech NUS, Inc. (T010)
Project: Saufley Field Site 4 CTOJM29
Instrument ID: ME-ICP
Calibration: 1124004
Sequence: 1E12414

Lab Sample ID	Analyte	True	Found	%R	Units	Control Limit
1E12414-ICV1	Aluminum	10000	9800	98.0	ug/L	+/- 10.00%
	Chromium	1000	978.4	97.8	ug/L	+/- 10.00%
	Iron	10000	10380	104	ug/L	+/- 10.00%
	Iron	10000	10380	104	ug/L	+/- 10.00%
	Manganese	1000	1064	106	ug/L	+/- 10.00%
	Manganese	1000	1064	106	ug/L	+/- 10.00%
	Nickel	1000	1001	100	ug/L	+/- 10.00%
1E12414-CCV1	Aluminum	10000	9756	97.6	ug/L	+/- 10.00%
	Chromium	1000	1001	100	ug/L	+/- 10.00%
	Iron	10000	10380	104	ug/L	+/- 10.00%
	Manganese	1000	1065	106	ug/L	+/- 10.00%
	Nickel	1000	1006	101	ug/L	+/- 10.00%
1E12414-CCV3	Iron	10000	9963	99.6	ug/L	+/- 10.00%
	Manganese	1000	1076	108	ug/L	+/- 10.00%
1E12414-CCV4	Iron	10000	10330	103	ug/L	+/- 10.00%
	Manganese	1000	1045	105	ug/L	+/- 10.00%
1E12414-CCV5	Aluminum	10000	9887	98.9	ug/L	+/- 10.00%
	Chromium	1000	976.4	97.6	ug/L	+/- 10.00%
	Iron	10000	9864	98.6	ug/L	+/- 10.00%
	Manganese	1000	1060	106	ug/L	+/- 10.00%
	Nickel	1000	1001	100	ug/L	+/- 10.00%
1E12414-CCV6	Aluminum	10000	9716	97.2	ug/L	+/- 10.00%
	Chromium	1000	994.6	99.5	ug/L	+/- 10.00%
	Iron	10000	10030	100	ug/L	+/- 10.00%
	Manganese	1000	1058	106	ug/L	+/- 10.00%
	Nickel	1000	1004	100	ug/L	+/- 10.00%

INITIAL AND CONTINUING CALIBRATION CHECK

SW6010C

Laboratory: Empirical Laboratories, LLC
Client: Tetra Tech NUS, Inc. (T010)
Instrument ID: ME-ICP
SDG: CTOJM29_002
Project: Saufley Field Site 4 CTOJM29
Calibration: 1129006
Sequence: 1E12918

Lab Sample ID	Analyte	True	Found	%R	Units	Control Limit
1E12918-ICV1	Aluminum	10000	9679	96.8	ug/L	+/- 10.00%
	Chromium	1000	963.6	96.4	ug/L	+/- 10.00%
	Iron	10000	10090	101	ug/L	+/- 10.00%
	Manganese	1000	1066	107	ug/L	+/- 10.00%
	Nickel	1000	991.3	99.1	ug/L	+/- 10.00%
1E12918-CCV1	Aluminum	10000	9528	95.3	ug/L	+/- 10.00%
	Chromium	1000	993.0	99.3	ug/L	+/- 10.00%
	Iron	10000	10460	105	ug/L	+/- 10.00%
	Manganese	1000	1045	105	ug/L	+/- 10.00%
	Nickel	1000	1008	101	ug/L	+/- 10.00%
1E12918-CCV2	Aluminum	10000	9591	95.9	ug/L	+/- 10.00%
	Chromium	1000	972.0	97.2	ug/L	+/- 10.00%
	Iron	10000	10450	105	ug/L	+/- 10.00%
	Manganese	1000	1024	102	ug/L	+/- 10.00%
	Nickel	1000	1012	101	ug/L	+/- 10.00%

CRDL STANDARD

SW6010C

Laboratory: Empirical Laboratories, LLC
SDG: CTOJM29_002
Client: Tetra Tech NUS, Inc. (T010)
Project: Saufley Field Site 4 CTOJM29
Instrument ID: ME-ICP
Calibration: 1118004
Sequence: 1D11813

Lab Sample ID	Analyte	True	Found	%R	Units	QC Limts
1D11813-CRL1	Iron	60.00	65.88	110	ug/L	80 - 120
	Manganese	6.000	6.630	110	ug/L	80 - 120

CRDL STANDARD

SW6010C

Laboratory: Empirical Laboratories, LLC

SDG: CTOJM29_002

Client: Tetra Tech NUS, Inc. (T010)

Project: Saufley Field Site 4 CTOJM29

Instrument ID: ME-ICP

Calibration: 1124004

Sequence: 1E12414

Lab Sample ID	Analyte	True	Found	%R	Units	QC Limts
1E12414-CRL1	Aluminum	100.0	105.0	105	ug/L	80 - 120
	Chromium	4.000	4.014	100	ug/L	80 - 120
	Iron	60.00	64.51	108	ug/L	80 - 120
	Manganese	6.000	6.568	109	ug/L	80 - 120
	Nickel	6.000	5.930	98.8	ug/L	80 - 120

CRDL STANDARD

SW6010C

Laboratory: Empirical Laboratories, LLC
SDG: CTOJM29_002
Client: Tetra Tech NUS, Inc. (T010)
Project: Saufley Field Site 4 CTOJM29
Instrument ID: ME-ICP
Calibration: 1129006
Sequence: 1E12918

Lab Sample ID	Analyte	True	Found	%R	Units	QC Limts
1E12918-CRL1	Aluminum	100.0	99.67	99.7	ug/L	80 - 120
	Chromium	4.000	4.130	103	ug/L	80 - 120
	Iron	60.00	65.22	109	ug/L	80 - 120
	Manganese	6.000	6.536	109	ug/L	80 - 120
	Nickel	6.000	6.281	105	ug/L	80 - 120

BLANKS
SW6010C

Laboratory: Empirical Laboratories, LLC
SDG: CTOJM29_002
Client: Tetra Tech NUS, Inc. (T010)
Instrument ID: ME-ICP
Project: Saufley Field Site 4 CTOJM29
Sequence: 1D11813
Calibration: 1118004

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
1D11813-ICB1	Iron	3.178	30.0	100	ug/L	U	SW6010C
	Manganese	0.09556	3.00	15.0	ug/L	U	SW6010C
1D11813-CCB1	Iron	2.51	30.0	100	ug/L	U	SW6010C
	Manganese	0.0834	3.00	15.0	ug/L	U	SW6010C
1D26001-BLK1	Iron	1.53	30.0	100	ug/L	U	SW6010C
	Manganese	0.147	3.00	15.0	ug/L	U	SW6010C
1D11813-CCB2	Iron	3.34	30.0	100	ug/L	U	SW6010C
	Manganese	0.0989	3.00	15.0	ug/L	U	SW6010C
1D28003-BLK1	Iron (dissolved)	0.957	30.0	100	ug/L	U	SW6010C
	Manganese (dissolved)	0.0899	3.00	15.0	ug/L	U	SW6010C
1D11813-CCB3	Iron	4.15	30.0	100	ug/L	U	SW6010C
	Manganese	0.575	3.00	15.0	ug/L	U	SW6010C
1D11813-CCB4	Iron	3.00	30.0	100	ug/L	U	SW6010C
	Manganese	0.195	3.00	15.0	ug/L	U	SW6010C
1D11813-CCB5	Iron	7.60	30.0	100	ug/L	U	SW6010C
	Manganese	0.148	3.00	15.0	ug/L	U	SW6010C

BLANKS
SW6010C

Laboratory: Empirical Laboratories, LLC
SDG: CTOJM29_002
Client: Tetra Tech NUS, Inc. (T010)
Instrument ID: ME-ICP
Project: Saufley Field Site 4 CTOJM29
Sequence: 1E12414
Calibration: 1124004

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
1E12414-ICB1	Aluminum	2.575	50.0	200	ug/L	U	SW6010C
	Chromium	0.09761	2.00	10.0	ug/L	U	SW6010C
	Iron	0.6980	30.0	100	ug/L	U	SW6010C
	Iron	0.6980	30.0	100	ug/L	U	SW6010C
	Manganese	0.08568	3.00	15.0	ug/L	U	SW6010C
	Manganese	0.08568	3.00	15.0	ug/L	U	SW6010C
	Nickel	0.05558	3.00	10.0	ug/L	U	SW6010C
1E12414-CCB1	Aluminum	4.82	50.0	200	ug/L	U	SW6010C
	Chromium	0.120	2.00	10.0	ug/L	U	SW6010C
	Iron	2.38	30.0	100	ug/L	U	SW6010C
	Manganese	0.180	3.00	15.0	ug/L	U	SW6010C
	Nickel	0.181	3.00	10.0	ug/L	U	SW6010C
1E12414-CCB3	Iron	10.6	30.0	100	ug/L	U	SW6010C
	Manganese	0.224	3.00	15.0	ug/L	U	SW6010C
1E02004-BLK1	Iron	15.3	30.0	100	ug/L	U	SW6010C
	Manganese	0.230	3.00	15.0	ug/L	U	SW6010C
1E12414-CCB4	Iron	1.06	30.0	100	ug/L	U	SW6010C
	Manganese	0.0405	3.00	15.0	ug/L	U	SW6010C
1E12414-CCB5	Aluminum	5.53	50.0	200	ug/L	U	SW6010C
	Chromium	0.238	2.00	10.0	ug/L	U	SW6010C
	Iron	1.60	30.0	100	ug/L	U	SW6010C
	Manganese	0.238	3.00	15.0	ug/L	U	SW6010C
	Nickel	0.0119	3.00	10.0	ug/L	U	SW6010C
1E02013-BLK1	Aluminum	0.974	12.5	50.0	ug/L	U	SW6010C
	Chromium	0.00952	0.500	2.50	ug/L	U	SW6010C
	Iron	0.277	7.50	25.0	ug/L	U	SW6010C
	Manganese	0.437	0.750	3.75	ug/L	U	SW6010C
	Nickel	0.0947	0.750	2.50	ug/L	U	SW6010C
1E12414-CCB6	Aluminum	2.52	50.0	200	ug/L	U	SW6010C
	Chromium	0.248	2.00	10.0	ug/L	U	SW6010C
	Iron	1.54	30.0	100	ug/L	U	SW6010C
	Manganese	0.402	3.00	15.0	ug/L	U	SW6010C
	Nickel	0.961	3.00	10.0	ug/L	U	SW6010C

BLANKS
SW6010C

Laboratory: Empirical Laboratories, LLC
SDG: CTOJM29_002
Client: Tetra Tech NUS, Inc. (T010)
Instrument ID: ME-ICP
Project: Saufley Field Site 4 CTOJM29
Sequence: 1E12918
Calibration: 1129006

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
1E12918-ICB1	Aluminum	2.793	50.0	200	ug/L	U	SW6010C
	Chromium	0.2381	2.00	10.0	ug/L	U	SW6010C
	Iron	1.761	30.0	100	ug/L	U	SW6010C
	Manganese	0.1052	3.00	15.0	ug/L	U	SW6010C
	Nickel	0.4983	3.00	10.0	ug/L	U	SW6010C
1E12918-CCB1	Aluminum	0.289	50.0	200	ug/L	U	SW6010C
	Chromium	0.154	2.00	10.0	ug/L	U	SW6010C
	Iron	1.65	30.0	100	ug/L	U	SW6010C
	Manganese	0.141	3.00	15.0	ug/L	U	SW6010C
	Nickel	0.484	3.00	10.0	ug/L	U	SW6010C
1E04007-BLK1	Aluminum	0.974	12.5	50.0	ug/L	U	SW6010C
	Chromium	0.0655	0.500	2.50	ug/L	U	SW6010C
	Iron	2.07	7.50	25.0	ug/L	U	SW6010C
	Manganese	0.619	0.750	3.75	ug/L	U	SW6010C
	Nickel	0.143	0.750	2.50	ug/L	U	SW6010C
1E12918-CCB2	Aluminum	-0.427	50.0	200	ug/L	U	SW6010C
	Chromium	0.111	2.00	10.0	ug/L	U	SW6010C
	Iron	3.44	30.0	100	ug/L	U	SW6010C
	Manganese	0.233	3.00	15.0	ug/L	U	SW6010C
	Nickel	0.605	3.00	10.0	ug/L	U	SW6010C

ICP INTERFERENCE CHECK SAMPLE

SW6010C

Laboratory: Empirical Laboratories, LLC
SDG: CTOJM29_002
Client: Tetra Tech NUS, Inc. (T010)
Project: Saufley Field Site 4 CTOJM29
Instrument ID: ME-ICP
Calibration: 1118004
Sequence: 1D11813

Lab Sample ID	Analyte	True	Found	%R	Units
1D11813-IFA1	Iron	200000	196,470.00	98.2	ug/L
	Manganese		4.53		ug/L
1D11813-IFB1	Iron	200000	203,460.00	102	ug/L
	Manganese	500.0	496.74	99.3	ug/L

ICP INTERFERENCE CHECK SAMPLE

SW6010C

Laboratory: Empirical Laboratories, LLC
SDG: CTOJM29_002
Client: Tetra Tech NUS, Inc. (T010)
Project: Saufley Field Site 4 CTOJM29
Instrument ID: ME-ICP
Calibration: 1124004
Sequence: 1E12414

Lab Sample ID	Analyte	True	Found	%R	Units
1E12414-IFA1	Aluminum	500000	511,180.00	102	ug/L
	Chromium		-1.43		ug/L
	Iron	200000	200,380.00	100	ug/L
	Iron	200000	200,380.00	100	ug/L
	Manganese		4.27		ug/L
	Manganese		4.27		ug/L
	Nickel		-3.26		ug/L
1E12414-IFB1	Aluminum	500000	514,710.00	103	ug/L
	Chromium	500.0	466.32	93.3	ug/L
	Iron	200000	201,810.00	101	ug/L
	Iron	200000	201,810.00	101	ug/L
	Manganese	500.0	500.92	100	ug/L
	Manganese	500.0	500.92	100	ug/L
	Nickel	1000	994.66	99.5	ug/L

ICP INTERFERENCE CHECK SAMPLE

SW6010C

Laboratory: Empirical Laboratories, LLC
SDG: CTOJM29_002
Client: Tetra Tech NUS, Inc. (T010)
Project: Saufley Field Site 4 CTOJM29
Instrument ID: ME-ICP
Calibration: 1129006
Sequence: 1E12918

Lab Sample ID	Analyte	True	Found	%R	Units
1E12918-IFA1	Aluminum	500000	506,600.00	101	ug/L
	Chromium		-1.31		ug/L
	Iron	200000	199,970.00	100	ug/L
	Manganese		3.84		ug/L
	Nickel		-1.06		ug/L
1E12918-IFB1	Aluminum	500000	455,060.00	91.0	ug/L
	Chromium	500.0	415.32	83.1	ug/L
	Iron	200000	181,200.00	90.6	ug/L
	Manganese	500.0	448.40	89.7	ug/L
	Nickel	1000	898.28	89.8	ug/L

LCS / LCS DUPLICATE RECOVERY

SW6010C

Laboratory:	Empirical Laboratories, LLC	SDG:	CTOJM29_002
Client:	Tetra Tech NUS, Inc. (T010)	Project:	Saufley Field Site 4 CTOJM29
Matrix:	Water		
Batch:	1D26001	Laboratory ID:	1D26001-BS1
Preparation:	MET_3005A	Initial/Final:	50 mL / 50 mL

ANALYTE	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC.	QC LIMITS REC.
Iron	1000	977.4	97.7	80 - 120
Manganese	500.0	530.0	106	80 - 120

LCS / LCS DUPLICATE RECOVERY

SW6010C

Laboratory:	Empirical Laboratories, LLC	SDG:	CTOJM29_002
Client:	Tetra Tech NUS, Inc. (T010)	Project:	Saufley Field Site 4 CTOJM29
Matrix:	Water		
Batch:	1D28003	Laboratory ID:	1D28003-BS1
Preparation:	MET_3005A	Initial/Final:	50 mL / 50 mL

ANALYTE	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC.	QC LIMITS REC.
Iron (dissolved)	1000	1020	102	80 - 120
Manganese (dissolved)	500.0	533.3	107	80 - 120

LCS / LCS DUPLICATE RECOVERY

SW6010C

Laboratory:	Empirical Laboratories, LLC	SDG:	CTOJM29_002
Client:	Tetra Tech NUS, Inc. (T010)	Project:	Saufley Field Site 4 CTOJM29
Matrix:	Water		
Batch:	1E02004	Laboratory ID:	1E02004-BS1
Preparation:	MET_3005A	Initial/Final:	50 mL / 50 mL

ANALYTE	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC.	QC LIMITS REC.
Iron	1000	1052	105	80 - 120
Manganese	500.0	534.5	107	80 - 120

LCS / LCS DUPLICATE RECOVERY

SW6010C

Laboratory:	Empirical Laboratories, LLC	SDG:	CTOJM29_002
Client:	Tetra Tech NUS, Inc. (T010)	Project:	Saufley Field Site 4 CTOJM29
Matrix:	Water		
Batch:	1E02013	Laboratory ID:	1E02013-BS1
Preparation:	MET_3005A_LOW	Initial/Final:	100 mL / 25 mL

ANALYTE	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC.	QC LIMITS REC.
Aluminum	40.00	42.56	106	80 - 120
Chromium	4.000	4.008	100	80 - 120
Iron	20.00	20.74	104	80 - 120
Manganese	10.00	10.82	108	80 - 120
Nickel	10.00	9.636	96.4	80 - 120

LCS / LCS DUPLICATE RECOVERY

SW6010C

Laboratory:	Empirical Laboratories, LLC	SDG:	CTOJM29_002
Client:	Tetra Tech NUS, Inc. (T010)	Project:	Saufley Field Site 4 CTOJM29
Matrix:	Water		
Batch:	1E04007	Laboratory ID:	1E04007-BS1
Preparation:	MET_3005A_LOW	Initial/Final:	100 mL / 25 mL

ANALYTE	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC.	QC LIMITS REC.
Aluminum	40.00	43.40	109	80 - 120
Chromium	4.000	4.047	101	80 - 120
Iron	**20.00**	**27.04**	**135**	**80 - 120**
Manganese	10.00	10.83	108	80 - 120
Nickel	10.00	9.908	99.1	80 - 120

METHOD DETECTION AND REPORTING LIMITS

Laboratory: Empirical Laboratories, LLC **SDG:** CTOJM29_002

Client: Tetra Tech NUS, Inc. (T010) **Project:** Saufley Field Site 4 CTOJM29

Matrix: Water **Instrument:** ME-ICP

Analyte	MDL	MRL	Units	Method
Aluminum	12.5	50.0	ug/L	SW6010C
Chromium	0.500	2.50	ug/L	SW6010C
Iron	7.50	25.0	ug/L	SW6010C
	30.0	100	ug/L	SW6010C
Iron (dissolved)	30.0	100	ug/L	SW6010C
Manganese	3.00	15.0	ug/L	SW6010C
Manganese (dissolved)	3.00	15.0	ug/L	SW6010C
Manganese	0.750	3.75	ug/L	SW6010C
Nickel	0.750	2.50	ug/L	SW6010C

10A-IN
ICP-AES INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Empirical Laboratories, LLC Contract: Tetra Tech NUS, Inc. (T010)

SDG No.: CTOJM29_002

ICP-AES Instrument ID: Thermo Jarrell Ashe ICAP Date: 9/11/2009

Analyte	Wave-length (nm)	Interelement Correction Factors for:				
		Al	Ca	Fe	Mg	Ag
Aluminum	396.1	0.0000000	0.0000000	-0.0000600	0.0000000	0.0000000
Chromium	267.7	0.0000000	0.0000000	0.0000040	0.0056080	0.0000000
Iron	261.1	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.6	0.0000000	0.0000000	0.0000140	0.0287450	0.0000000
Nickel	231.6	0.0000000	0.0000000	-0.0000040	0.0000000	0.0000000

Comments:

FORM XA-IN

10A-IN
ICP-AES INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Empirical Laboratories, LLC Contract: Tetra Tech NUS, Inc. (T010)

SDG No.: CTOJM29_002

ICP-AES Instrument ID: Thermo Jarrell Ashe ICAP Date: 9/11/2009

Analyte	Wave-length (nm)	Interelement Correction Factors for: As	B	Ba	Be	Cd
Aluminum	396.1	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.7	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	261.1	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.6	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Nickel	231.6	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Comments:

FORM XA-IN

10A-IN
ICP-AES INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Empirical Laboratories, LLC Contract: Tetra Tech NUS, Inc. (T010)

SDG No.: CTOJM29_002

ICP-AES Instrument ID: Thermo Jarrell Ashe ICAP Date: 9/11/2009

Analyte	Wave-length (nm)	Interelement Correction Factors for: Co	Cr	Cu	K	Mn
Aluminum	396.1	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.7	0.0000000	0.0000000	0.0000000	0.0000000	0.0002500
Iron	261.1	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.6	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Nickel	231.6	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Comments:

FORM XA-IN

10A-IN
ICP-AES INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Empirical Laboratories, LLC Contract: Tetra Tech NUS, Inc. (T010)

SDG No.: CTOJM29_002

ICP-AES Instrument ID: Thermo Jarrell Ashe ICAP Date: 9/11/2009

Analyte	Wave-length (nm)	Interelement Correction Factors for:				
		Mo	Na	Ni	Pb	Sb
Aluminum	396.1	0.0317300	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.7	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	261.1	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.6	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Nickel	231.6	-0.0000220	0.0000000	0.0000000	0.0000000	0.0000000

Comments:

FORM XA-IN

10A-IN
ICP-AES INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Empirical Laboratories, LLC Contract: Tetra Tech NUS, Inc. (T010)

SDG No.: CTOJM29_002

ICP-AES Instrument ID: Thermo Jarrell Ashe ICAP Date: 9/11/2009

Analyte	Wave-length (nm)	Interelement Correction Factors for: Se	Sn	Ti	Tl	V
Aluminum	396.1	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.7	0.0000000	0.0000000	0.0000000	0.0000000	-0.0000700
Iron	261.1	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.6	0.0000000	0.0000000	0.0000000	0.0000000	-0.0000300
Nickel	231.6	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Comments:

FORM XA-IN

USEPA - CLP

10A-IN
ICP-AES INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Empirical Laboratories, LLC Contract: Tetra Tech NUS, Inc. (T010)

SDG No.: CTOJM29_002

ICP-AES Instrument ID: Thermo Jarrell Ashe ICAP Date: 9/11/2009

Analyte	Wave-length (nm)	Interelement Correction Factors for: Zn				
Aluminum	396.1	0.0000000				
Chromium	267.7	0.0000000				
Iron	261.1	0.0000000				
Manganese	257.6	0.0000000				
Nickel	231.6	0.0000000				

Comments:

FORM XA-IN

ICP-AES AND ICP-MS LINEAR RANGES (QUARTERLY)

Lab Name: Empirical Laboratories, LLC

Client: Tetra Tech NUS, Inc. (T010) SDG: CTOJM29_002

Project: Saufley Field Site 4 CTOJM29

ICP Instrument ID: ME-ICP Date: 09/11/2009

Analyte	Integ. Time (Sec.)	Concentration ug/L	M
Aluminum	15	500000	P
Chromium	15	10000	P
Iron	15	500000	P
Manganese	15	10000	P
Nickel	15	10000	P

PREPARATION BATCH SUMMARY

SW6010C

Laboratory: Empirical Laboratories, LLC SDG: CTOJM29_002

Client: Tetra Tech NUS, Inc. (T010) Project: Saufley Field Site 4 CTOJM29

Batch: 1D26001 Batch Matrix: Water Preparation: MET_3005A

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
OLFS4 MW46S	1104207-01	04/26/11 08:52	50.00	50.00
FD04141102	1104207-02	04/26/11 08:52	50.00	50.00
Blank	1D26001-BLK1	04/26/11 08:52	50.00	50.00
LCS	1D26001-BS1	04/26/11 08:52	50.00	50.00

PREPARATION BATCH SUMMARY

SW6010C

Laboratory: Empirical Laboratories, LLC
SDG: CTOJM29_002
Client: Tetra Tech NUS, Inc. (T010)
Project: Saufley Field Site 4 CTOJM29
Batch: 1D28003 Batch Matrix: Water Preparation: MET_3005A

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
FB04151101	1104207-10	04/28/11 07:34	50.00	50.00
Blank	1D28003-BLK1	04/28/11 07:34	50.00	50.00
LCS	1D28003-BS1	04/28/11 07:34	50.00	50.00

PREPARATION BATCH SUMMARY

SW6010C

Laboratory: Empirical Laboratories, LLC SDG: CTOJM29_002

Client: Tetra Tech NUS, Inc. (T010) Project: Saufley Field Site 4 CTOJM29

Batch: 1E02004 Batch Matrix: Water Preparation: MET_3005A

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
FB04151101	1104207-09	05/02/11 09:16	50.00	50.00
Blank	1E02004-BLK1	05/02/11 09:16	50.00	50.00
LCS	1E02004-BS1	05/02/11 09:16	50.00	50.00

PREPARATION BATCH SUMMARY

SW6010C

Laboratory: Empirical Laboratories, LLC
SDG: CTOJM29_002
Client: Tetra Tech NUS, Inc. (T010)
Project: Saufley Field Site 4 CTOJM29
Batch: 1E02013 Batch Matrix: Water Preparation: MET_3005A_LOW

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
FB04151101	1104207-14	05/02/11 12:56	100.00	25.00
Blank	1E02013-BLK1	05/02/11 12:56	100.00	25.00
LCS	1E02013-BS1	05/02/11 12:56	100.00	25.00

PREPARATION BATCH SUMMARY

SW6010C

Laboratory: Empirical Laboratories, LLC SDG: CTOJM29_002

Client: Tetra Tech NUS, Inc. (T010) Project: Saufley Field Site 4 CTOJM29

Batch: 1E04007 Batch Matrix: Water Preparation: MET_3005A_LOW

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
OLFS4 MW46S	1104207-12	05/04/11 11:48	100.00	25.00
FD04141102	1104207-13	05/04/11 11:48	100.00	25.00
Blank	1E04007-BLK1	05/04/11 11:48	100.00	25.00
LCS	1E04007-BS1	05/04/11 11:48	100.00	25.00

ANALYSIS SEQUENCE SUMMARY

SW6010C

Laboratory: Empirical Laboratories, LLC
SDG: CTOJM29_002
Client: Tetra Tech NUS, Inc. (T010)
Project: Saufley Field Site 4 CTOJM29
Sequence: 1D11813
Instrument: ME-ICP
Calibration: 1118004

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Cal Standard	1D11813-CAL1	042811A-001	04/28/11 09:36
Cal Standard	1D11813-CAL2	042811A-010	04/28/11 10:23
Cal Standard	1D11813-CAL3	042811A-011	04/28/11 10:31
Cal Standard	1D11813-CAL4	042811A-013	04/28/11 10:42
Cal Standard	1D11813-CAL5	042811A-014	04/28/11 10:49
Cal Standard	1D11813-CAL6	042811A-015	04/28/11 10:55
Initial Cal Check	1D11813-ICV1	042811B-001	04/28/11 11:34
Initial Cal Blank	1D11813-ICB1	042811B-002	04/28/11 11:42
Instrument RL Check	1D11813-CRL1	042811B-003	04/28/11 11:46
Interference Check A	1D11813-IFA1	042811B-005	04/28/11 11:56
Interference Check B	1D11813-IFB1	042811B-006	04/28/11 12:03
Calibration Check	1D11813-CCV1	042811B-008	04/28/11 12:14
Calibration Blank	1D11813-CCB1	042811B-009	04/28/11 12:21
Blank	1D26001-BLK1	042811B-010	04/28/11 12:26
LCS	1D26001-BS1	042811B-011	04/28/11 12:30
Calibration Check	1D11813-CCV2	042811B-018	04/28/11 13:06
Calibration Blank	1D11813-CCB2	042811B-019	04/28/11 13:13
Blank	1D28003-BLK1	042811C-001	04/28/11 13:20
LCS	1D28003-BS1	042811C-002	04/28/11 13:25
FB04151101	1104207-10	042811C-009	04/28/11 13:59
Calibration Check	1D11813-CCV3	042811C-016	04/28/11 14:33
Calibration Blank	1D11813-CCB3	042811C-017	04/28/11 14:41
Calibration Check	1D11813-CCV4	042811C-027	04/28/11 15:29
Calibration Blank	1D11813-CCB4	042811C-028	04/28/11 15:36
OLFS4 MW46S	1104207-01	042811C-035	04/28/11 16:08
FD04141102	1104207-02	042811C-036	04/28/11 16:13
Calibration Check	1D11813-CCV5	042811C-037	04/28/11 16:19
Calibration Blank	1D11813-CCB5	042811C-038	04/28/11 16:26

ANALYSIS SEQUENCE SUMMARY

SW6010C

Laboratory: Empirical Laboratories, LLC
SDG: CTOJM29_002
Client: Tetra Tech NUS, Inc. (T010)
Project: Saufley Field Site 4 CTOJM29
Sequence: 1E12414
Instrument: ME-ICP
Calibration: 1124004

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Cal Standard	1E12414-CAL1	050311A-001	05/03/11 10:06
Cal Standard	1E12414-CAL2	050311A-002	05/03/11 10:12
Cal Standard	1E12414-CAL3	050311A-003	05/03/11 10:17
Cal Standard	1E12414-CAL4	050311A-004	05/03/11 10:21
Cal Standard	1E12414-CAL5	050311A-005	05/03/11 10:27
Cal Standard	1E12414-CAL6	050311A-006	05/03/11 10:32
Initial Cal Check	1E12414-ICV1	050311B-001	05/03/11 11:16
Initial Cal Blank	1E12414-ICB1	050311B-002	05/03/11 11:24
Instrument RL Check	1E12414-CRL1	050311B-004	05/03/11 11:35
Interference Check A	1E12414-IFA1	050311B-006	05/03/11 11:45
Interference Check B	1E12414-IFB1	050311B-007	05/03/11 11:51
Calibration Check	1E12414-CCV1	050311B-009	05/03/11 12:02
Calibration Blank	1E12414-CCB1	050311B-010	05/03/11 12:09
Calibration Check	1E12414-CCV3	050311B-033	05/03/11 14:02
Calibration Blank	1E12414-CCB3	050311B-034	05/03/11 14:10
Blank	1E02004-BLK1	050311B-035	05/03/11 14:14
LCS	1E02004-BS1	050311B-036	05/03/11 14:19
FB04151101	1104207-09	050311B-037	05/03/11 14:25
Calibration Check	1E12414-CCV4	050311B-047	05/03/11 15:22
Calibration Blank	1E12414-CCB4	050311B-048	05/03/11 15:30
Calibration Check	1E12414-CCV5	050311B-060	05/03/11 16:26
Calibration Blank	1E12414-CCB5	050311B-061	05/03/11 16:34
Blank	1E02013-BLK1	050311B-063	05/03/11 16:48
LCS	1E02013-BS1	050311B-064	05/03/11 16:52
FB04151101	1104207-14	050311B-065	05/03/11 16:59
Calibration Check	1E12414-CCV6	050311B-068	05/03/11 17:14
Calibration Blank	1E12414-CCB6	050311B-069	05/03/11 17:21

ANALYSIS SEQUENCE SUMMARY

SW6010C

Laboratory: Empirical Laboratories, LLC
SDG: CTOJM29_002
Client: Tetra Tech NUS, Inc. (T010)
Project: Saufley Field Site 4 CTOJM29
Sequence: 1E12918
Instrument: ME-ICP
Calibration: 1129006

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Cal Standard	1E12918-CAL1	050511A-001	05/05/11 10:06
Cal Standard	1E12918-CAL3	050511A-003	05/05/11 10:16
Cal Standard	1E12918-CAL4	050511A-004	05/05/11 10:21
Cal Standard	1E12918-CAL5	050511A-005	05/05/11 10:26
Cal Standard	1E12918-CAL6	050511A-006	05/05/11 10:31
Cal Standard	1E12918-CAL2	050511A-012	05/05/11 11:07
Initial Cal Check	1E12918-ICV1	050511B-001	05/05/11 11:39
Initial Cal Blank	1E12918-ICB1	050511B-002	05/05/11 11:46
Instrument RL Check	1E12918-CRL1	050511B-003	05/05/11 11:51
Interference Check A	1E12918-IFA1	050511B-005	05/05/11 12:01
Interference Check B	1E12918-IFB1	050511B-007	05/05/11 12:17
Calibration Check	1E12918-CCV1	050511B-009	05/05/11 12:28
Calibration Blank	1E12918-CCB1	050511B-010	05/05/11 12:35
Blank	1E04007-BLK1	050511B-011	05/05/11 12:40
LCS	1E04007-BS1	050511B-012	05/05/11 12:45
OLFS4 MW46S	1104207-12	050511B-013	05/05/11 12:51
FD04141102	1104207-13	050511B-014	05/05/11 12:56
Calibration Check	1E12918-CCV2	050511B-015	05/05/11 13:02
Calibration Blank	1E12918-CCB2	050511B-016	05/05/11 13:09

INITIAL CALIBRATION DATA

SW6010C

Laboratory: Empirical Laboratories, LLC
SDG: CTOJM29_002
Client: Tetra Tech NUS, Inc. (T010)
Project: Saufley Field Site 4 CTOJM29
Calibration: 1118004
Instrument: ME-ICP
Matrix: Water
Calibration Dates: 4/28/11 9:36 4/28/11 10:55

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
Aluminum	0	0	5000	2.038E-05	10000	2.0703E-05			500000	2.0538E-05		
Antimony	0	0	100	0.0008813	1000	9.6012E-04					10000	9.2352E-04
Arsenic	0	0	100	0.0003882	1000	4.2259E-04					10000	4.1082E-04
Barium	0	0	50	0.0146502	1000	0.014153	5000	0.013868				
Beryllium	0	0	100	0.0028633	1000	0.0029696					10000	0.0028199
Boron	0	0	50	0.0000152	1000	1.478E-05					5000	1.4532E-05
Cadmium	0	0	100	0.016273	1000	0.0171					10000	0.015532
Calcium	0	0	1100	4.207273E-05	50000	4.1198E-05					10000	
Chromium	0	0	100	0.000039	1000	3.881E-05					10000	3.8927E-05
Cobalt	0	0	100	0.0070388	1000	0.0072523					10000	0.0071015
Copper	0	0	100	0.0000927	1000	9.081E-05					10000	8.7863E-05
Iron	0	0	5100	1.441176E-05	10000	1.4491E-05			500000	1.33908E-05	10000	
Lead	0	0	100	0.0015748	1000	0.0015763					10000	0.0015639
Magnesium	0	0	5100		50000	1.6234E-06			500000	1.71134E-06	10000	
Manganese	0	0	100	0.0002587	1000	0.0002513	10000	2.3381E-04			10000	
Molybdenum	0	0	100	0.0047919	1000	0.0049429					10000	0.0048392
Nickel	0	0	100	0.0039522	1000	0.0038771					10000	0.0038284
Potassium	0	0	1000	9.720001E-06	10000	1.1323E-05						
Selenium	0	0	100	0.0005231	1000	5.3298E-04					10000	5.1127E-04
Silver	0	0	20	0.0000595	500	5.534E-05	2000	5.633E-05				
Sodium	0	0	1000		50000	4.9134E-05						
Strontium	0	0	100	0.001771	1000	0.001781					10000	0.001755
Thallium	0	0	100	0.0009625	1000	0.0009998					10000	9.6348E-04
Tin	0	0	50	0.0014628	1000	0.00152					5000	0.0014774
Titanium	0	0	100	0.000231	1000	2.2875E-04					10000	2.2771E-04
Vanadium	0	0	100	0.0000472	1000	0.0000464					10000	4.6102E-05
Zinc	0	0	100	0.0063429	1000	0.0065742					10000	0.0063262
Aluminum	0	0	5000	2.038E-05	10000	2.0703E-05			500000	2.0538E-05		
Antimony	0	0	100	0.0008813	1000	9.6012E-04					10000	9.2352E-04
Arsenic	0	0	100	0.0003882	1000	4.2259E-04					10000	4.1082E-04
Barium	0	0	50	0.0146502	1000	0.014153	5000	0.013868				

INITIAL CALIBRATION DATA

SW6010C

Laboratory: Empirical Laboratories, LLC
SDG: CTOJM29_002
Client: Tetra Tech NUS, Inc. (T010)
Project: Saufley Field Site 4 CTOJM29
Calibration: 1118004
Instrument: ME-ICP
Matrix: Water
Calibration Dates: 4/28/11 9:36 4/28/11 10:55

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
Beryllium	0	0	100	0.0028633	1000	0.0029696					10000	0.0028199
Boron	0	0	50	0.0000152	1000	1.478E-05					5000	1.4532E-05
Cadmium	0	0	100	0.016273	1000	0.0171					10000	0.015532
Calcium	0	0	1100	4.207273E-05	50000	4.1198E-05					10000	
Chromium	0	0	100	0.000039	1000	3.881E-05					10000	3.8927E-05
Cobalt	0	0	100	0.0070388	1000	0.0072523					10000	0.0071015
Copper	0	0	100	0.0000927	1000	9.081E-05					10000	8.7863E-05
Iron	0	0	5100	1.441176E-05	10000	1.4491E-05			500000	1.33908E-05	10000	
Potassium	0	0	1000	9.720001E-06	10000	1.1323E-05						
Lead	0	0	100	0.0015748	1000	0.0015763					10000	0.0015639
Magnesium	0	0	5100		50000	1.6234E-06			500000	1.71134E-06	10000	
Manganese	0	0	100	0.0002587	1000	0.0002513	10000	2.3381E-04			10000	
Molybdenum	0	0	100	0.0047919	1000	0.0049429					10000	0.0048392
Sodium	0	0	1000		50000	4.9134E-05						
Nickel	0	0	100	0.0039522	1000	0.0038771					10000	0.0038284
Selenium	0	0	100	0.0005231	1000	5.3298E-04					10000	5.1127E-04
Silver	0	0	20	0.0000595	500	5.534E-05	2000	5.633E-05				
Strontium	0	0	100	0.001771	1000	0.001781					10000	0.001755
Thallium	0	0	100	0.0009625	1000	0.0009998					10000	9.6348E-04
Tin	0	0	50	0.0014628	1000	0.00152					5000	0.0014774
Titanium	0	0	100	0.000231	1000	2.2875E-04					10000	2.2771E-04
Vanadium	0	0	100	0.0000472	1000	0.0000464					10000	4.6102E-05
Zinc	0	0	100	0.0063429	1000	0.0065742					10000	0.0063262

INITIAL CALIBRATION DATA (Continued)

SW6010C

Laboratory: Empirical Laboratories, LLC
SDG: CTOJM29_002
Client: Tetra Tech NUS, Inc. (T010)
Project: Saufley Field Site 4 CTOJM29
Calibration: 1118004
Instrument: ME-ICP
Matrix: Water
Calibration Dates: 4/28/11 9:36 4/28/11 10:55

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
Aluminum												
Antimony												
Arsenic												
Barium												
Beryllium												
Boron												
Cadmium												
Calcium	100000		500000	4.0194E-05								
Chromium												
Cobalt												
Copper												
Iron												
Lead												
Magnesium			100000	1.6572E-06								
Manganese												
Molybdenum												
Nickel												
Potassium	100000	1.143E-05										
Selenium												
Silver												
Sodium	100000	4.8364E-05	500000	4.718E-05								
Strontium												
Thallium												
Tin												
Titanium												
Vanadium												
Zinc												
Aluminum												
Antimony												
Arsenic												
Barium												

INITIAL CALIBRATION DATA (Continued)

SW6010C

Laboratory: Empirical Laboratories, LLC
SDG: CTOJM29_002
Client: Tetra Tech NUS, Inc. (T010)
Project: Saufley Field Site 4 CTOJM29
Calibration: 1118004
Instrument: ME-ICP
Matrix: Water
Calibration Dates: 4/28/11 9:36 4/28/11 10:55

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
Beryllium												
Boron												
Cadmium												
Calcium	100000		500000	4.0194E-05								
Chromium												
Cobalt												
Copper												
Iron												
Potassium	100000	1.143E-05										
Lead												
Magnesium			100000	1.6572E-06								
Manganese												
Molybdenum												
Sodium	100000	~~4.8364E-05~~	500000	4.718E-05								
Nickel												
Selenium												
Silver												
Strontium												
Thallium												
Tin												
Titanium												
Vanadium												
Zinc												

INITIAL CALIBRATION DATA (Continued)

SW6010C

Laboratory: Empirical Laboratories, LLC
SDG: CTOJM29_002
Client: Tetra Tech NUS, Inc. (T010)
Project: Saufley Field Site 4 CTOJM29
Calibration: 1118004
Instrument: ME-ICP
Matrix: Water
Calibration Dates: 4/28/11 9:36 4/28/11 10:55

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
Aluminum	1.540525E-05	66.67216	7.517297	189.6217	1		0.998	
Antimony	6.91235E-04	66.82927	4.042568	157.3458	0.9999817		0.998	
Arsenic	3.054025E-04	66.83022	5.48563	176.655	0.9999893		0.998	
Barium	0.0106678	66.73548	4.14564	151.3629	0.9999837		0.998	
Beryllium	0.0021632	66.73002	3.178708	175.0112	0.9999724		0.998	
Boron	1.1128E-05	66.71269	7.352828	168.9001	0.9999889		0.998	
Cadmium	1.222625E-02	66.87215	5.817933	167.849	0.9999015		0.998	
Calcium	3.086618E-05	66.71304	2.226953	140.3423	0.999994		0.998	
Chromium	2.918425E-05	66.66721	12.64232	183.5982	0.9999999		0.998	
Cobalt	5.34815E-03	66.68771	2.262073	114.3372	0.9999954		0.998	
Copper	6.784325E-05	66.73119	1.378575	61.25427	0.9999918		0.998	
Iron	1.057339E-05	66.83486	76.63949	198.7492	0.9999981		0.998	
Lead	1.17875E-03	66.66832	42.91209	194.7583	0.9999995		0.998	
Magnesium	1.247985E-06	66.72981	21.6778	196.2467	0.9999563		0.998	
Manganese	1.859525E-04	66.90247	10.62786	176.1129	0.9999498		0.998	
Molybdenum	0.0036435	66.68913	10.72598	184.1412	0.9999952		0.998	
Nickel	2.914425E-03	66.68956	2.873138	138.2073	0.9999989		0.998	
Potassium	8.11825E-06	67.35916	2.488665	145.6245	0.9999998		0.998	
Selenium	3.918375E-04	66.70513	5.214867	160.1425	0.999984		0.998	
Silver	4.27925E-05	66.79548	2.271715	126.0922	0.9999745		0.998	
Sodium	3.61695E-05	66.70369	2.007928	132.2011	0.9999727		0.998	
Strontium	1.32675E-03	66.67155	7.919675	183.8973	0.9999979		0.998	
Thallium	7.31445E-04	66.70889	5.922822	164.274	0.9999853		0.998	
Tin	1.11505E-03	66.70218	19.31599	192.1327	0.9999629		0.998	
Titanium	1.71865E-04	66.67145	1.030562	127.2654	0.9999999		0.998	
Vanadium	3.49255E-05	66.67988	3.435937	141.1789	0.9999997		0.998	
Zinc	4.810825E-03	66.70816	32.91867	195.0141	0.9999846		0.998	
Aluminum	1.540525E-05	66.67216	7.517297	189.6217	1		0.998	
Antimony	6.91235E-04	66.82927	4.042568	157.3458	0.9999817		0.998	
Arsenic	3.054025E-04	66.83022	5.48563	176.655	0.9999893		0.998	
Barium	0.0106678	66.73548	4.14564	151.3629	0.9999837		0.998	
Beryllium	0.0021632	66.73002	3.178708	175.0112	0.9999724		0.998	

INITIAL CALIBRATION DATA (Continued)

SW6010C

Laboratory:	Empirical Laboratories, LLC	SDG:	CTOJM29_002
Client:	Tetra Tech NUS, Inc. (T010)	Project:	Saufley Field Site 4 CTOJM29
Calibration:	1118004	Instrument:	ME-ICP
Matrix:	Water	Calibration Dates:	4/28/11 9:36 4/28/11 10:55

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
Boron	1.1128E-05	66.71269	7.352828	168.9001	0.9999889		0.998	
Cadmium	1.222625E-02	66.87215	5.817933	167.849	0.9999015		0.998	
Calcium	3.086618E-05	66.71304	2.226953	140.3423	0.999994		0.998	
Chromium	2.918425E-05	66.66721	12.64232	183.5982	0.9999999		0.998	
Cobalt	5.34815E-03	66.68771	2.262073	114.3372	0.9999954		0.998	
Copper	6.784325E-05	66.73119	1.378575	61.25427	0.9999918		0.998	
Iron	1.057339E-05	66.83486	76.63949	198.7492	0.9999981		0.998	
Potassium	8.11825E-06	67.35916	2.488665	145.6245	0.9999998		0.998	
Lead	1.17875E-03	66.66832	42.91209	194.7583	0.9999995		0.998	
Magnesium	1.247985E-06	66.72981	21.6778	196.2467	0.9999563		0.998	
Manganese	1.859525E-04	66.90247	10.62786	176.1129	0.9999498		0.998	
Molybdenum	0.0036435	66.68913	10.72598	184.1412	0.9999952		0.998	
Sodium	3.210467E-05	86.65599	2.577113	113.9632	0.9999849		0.998	
Nickel	2.914425E-03	66.68956	2.873138	138.2073	0.9999989		0.998	
Selenium	3.918375E-04	66.70513	5.214867	160.1425	0.999984		0.998	
Silver	4.27925E-05	66.79548	2.271715	126.0922	0.9999745		0.998	
Strontium	1.32675E-03	66.67155	7.919675	183.8973	0.9999979		0.998	
Thallium	7.31445E-04	66.70889	5.922822	164.274	0.9999853		0.998	
Tin	1.11505E-03	66.70218	19.31599	192.1327	0.9999629		0.998	
Titanium	1.71865E-04	66.67145	1.030562	127.2654	0.9999999		0.998	
Vanadium	3.49255E-05	66.67988	3.435937	141.1789	0.9999997		0.998	
Zinc	4.810825E-03	66.70816	32.91867	195.0141	0.9999846		0.998	

INITIAL CALIBRATION DATA

SW6010C

Laboratory: Empirical Laboratories, LLC
SDG: CTOJM29_002
Client: Tetra Tech NUS, Inc. (T010)
Project: Saufley Field Site 4 CTOJM29
Calibration: 1124004
Instrument: ME-ICP
Matrix: Water
Calibration Dates: 5/3/11 10:06 5/3/11 10:43

	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
Compound	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
Aluminum	0	0	5000	1.9662E-05	10000	2.0347E-05			500000	2.0492E-05		
Antimony	0	0	100	0.0007414	1000	7.8083E-04					10000	7.7715E-04
Arsenic	0	0	100	0.0003616	1000	3.9477E-04					10000	3.8812E-04
Barium	0	0	50	0.0126916	1000	0.012927	5000	0.0126962				
Beryllium	0	0	100	0.0029224	1000	0.0029112					10000	0.0027651
Boron	0	0	50	0.0000146	1000	1.512E-05					5000	1.5176E-05
Cadmium	0	0	100	0.013187	1000	0.013174					10000	0.012418
Calcium	0	0	1100	4.622727E-05	50000	4.5908E-05					10000	
Chromium	0	0	100	0.0000389	1000	3.675E-05					10000	3.7981E-05
Cobalt	0	0	100	0.0060362	1000	0.0060033					10000	0.0060784
Copper	0	0	100	0.0000864	1000	8.052E-05					10000	8.096601E-05
Iron	0	0	5100	1.435686E-05	10000	1.3864E-05			500000	1.32838E-05	10000	
Lead	0	0	100	0.0014073	1000	0.0013915					10000	0.0014127
Magnesium	0	0	5100		50000	1.7014E-06			500000	1.82852E-06	10000	
Manganese	0	0	100	0.0002613	1000	2.5009E-04	10000	2.4067E-04			10000	
Molybdenum	0	0	100	0.0043994	1000	0.0045923					10000	0.0045556
Nickel	0	0	100	0.0036839	1000	0.0036423					10000	0.0036464
Potassium	0	0	1000	8.47E-06	10000	1.0789E-05						
Selenium	0	0	100	0.0004658	1000	4.7595E-04					10000	0.0004658
Silver	0	0	20	0.0000585	500	5.486E-05	2000	5.7295E-05				
Sodium	0	0	1000		50000	4.3872E-05						
Strontium	0	0	100	0.001704	1000	0.0017					10000	0.001671
Thallium	0	0	100	0.0008057	1000	7.8807E-04					10000	7.9588E-04
Tin	0	0	50	0.0013462	1000	0.0013716					5000	1.37484E-03
Titanium	0	0	100	0.0002276	1000	2.2149E-04					10000	0.0002241
Vanadium	0	0	100	0.0000481	1000	4.583E-05					10000	4.6823E-05
Zinc	0	0	100	0.0057022	1000	0.0058636					10000	0.0057569

INITIAL CALIBRATION DATA (Continued)

SW6010C

Laboratory: Empirical Laboratories, LLC
SDG: CTOJM29_002
Client: Tetra Tech NUS, Inc. (T010)
Project: Saufley Field Site 4 CTOJM29
Calibration: 1124004
Instrument: ME-ICP
Matrix: Water
Calibration Dates: 5/3/11 10:06 5/3/11 10:43

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
Aluminum												
Antimony												
Arsenic												
Barium												
Beryllium												
Boron												
Cadmium												
Calcium	100000		500000	4.4604E-05								
Chromium												
Cobalt												
Copper												
Iron												
Lead												
Magnesium			100000	1.7382E-06								
Manganese												
Molybdenum												
Nickel												
Potassium	100000	1.1176E-05										
Selenium												
Silver												
Sodium	100000	4.3603E-05	500000	4.3602E-05								
Strontium												
Thallium												
Tin												
Titanium												
Vanadium												
Zinc												

INITIAL CALIBRATION DATA (Continued)

SW6010C

Laboratory: Empirical Laboratories, LLC
SDG: CTOJM29_002
Client: Tetra Tech NUS, Inc. (T010)
Project: Saufley Field Site 4 CTOJM29
Calibration: 1124004
Instrument: ME-ICP
Matrix: Water
Calibration Dates: 5/3/11 10:06 5/3/11 10:43

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
Aluminum	1.512525E-05	66.70961	5.020157	178.7085	0.9999999		0.998	
Antimony	5.74845E-04	66.73841	6.314835	185.148	0.9999994		0.998	
Arsenic	2.861225E-04	66.85449	0.9662325	66.86179	0.9999952		0.998	
Barium	0.0095787	66.67654	4.93417	188.6088	0.9999858		0.998	
Beryllium	2.149675E-03	66.74995	14.88249	191.3354	0.9999743		0.998	
Boron	1.1224E-05	66.70669	2.563272	139.2175	0.9999994		0.998	
Cadmium	9.69475E-03	66.7697	2.062022	147.3153	0.9999659		0.998	
Calcium	3.418482E-05	66.6983	2.089962	152.3351	0.9999917		0.998	
Chromium	2.840775E-05	66.73873	7.945635	183.0376	0.9999888		0.998	
Cobalt	4.529475E-03	66.67012	1.53727	124.5106	0.9999984		0.998	
Copper	6.19715E-05	66.80605	1.313045	47.70066	0.9999988		0.998	
Iron	1.037617E-05	66.80048	9.223315	181.236	0.9999993		0.998	
Lead	1.052875E-03	66.67214	22.75748	196.6847	0.9999977		0.998	
Magnesium	1.31703E-06	66.78989	41.64125	197.5111	0.9999011		0.998	
Manganese	1.88015E-04	66.81737	7.71426	183.0681	0.999987		0.998	
Molybdenum	3.386825E-03	66.71239	5.811897	182.0721	0.999999		0.998	
Nickel	2.74315E-03	66.67016	1.449337	130.1179	0.9999999		0.998	
Potassium	7.60875E-06	68.49136	1.751993	137.1178	0.9999969		0.998	
Selenium	3.518875E-04	66.68054	5.3918	183.9614	0.9999958		0.998	
Silver	4.266375E-05	66.76105	2.760998	153.7826	0.999869		0.998	
Sodium	3.276925E-05	66.66779	5.73968	179.0089	0.9999997		0.998	
Strontium	1.26875E-03	66.67674	4.503275	164.0686	0.9999972		0.998	
Thallium	5.974125E-04	66.6776	9.707105	186.8	0.999999		0.998	
Tin	1.02316E-03	66.67842	49.95344	197.6331	0.9999998		0.998	
Titanium	1.682975E-04	66.68326	5.451572	177.6417	0.9999983		0.998	
Vanadium	3.518825E-05	66.71893	2.89273	158.2974	0.9999947		0.998	
Zinc	4.330675E-03	66.68462	23.12539	195.5569	0.9999964		0.998	

INITIAL CALIBRATION DATA

SW6010C

Laboratory: Empirical Laboratories, LLC
SDG: CTOJM29_002
Client: Tetra Tech NUS, Inc. (T010)
Project: Saufley Field Site 4 CTOJM29
Calibration: 1129006
Instrument: ME-ICP
Matrix: Water
Calibration Dates: 5/5/11 10:06 5/5/11 11:07

	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
Compound	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
Aluminum	0	0	5000	1.9732E-05	10000	2.0519E-05			500000	2.0866E-05		
Antimony	0	0	100	0.0006477	1000	7.4192E-04					10000	7.1634E-04
Arsenic	0	0	100	0.0003561	1000	3.9463E-04					10000	3.8402E-04
Barium	0	0	50	0.012047	1000	0.01268	5000	0.0123332				
Beryllium	0	0	100	0.0027062	1000	0.0027706					10000	0.0025907
Boron	0	0	50	0.0000156	1000	1.559E-05					5000	1.5442E-05
Cadmium	0	0	100	0.014687	1000	0.015131					10000	0.014226
Calcium	0	0	1100	4.847273E-05	50000	4.5852E-05					10000	
Chromium	0	0	100	0.0000371	1000	3.626E-05					10000	3.6855E-05
Cobalt	0	0	100	0.0053302	1000	0.0056994					10000	0.0056437
Copper	0	0	100	0.0000795	1000	7.888E-05					10000	7.6674E-05
Iron	0	0	5100	1.292745E-05	10000	1.3071E-05			500000	1.26834E-05	10000	
Lead	0	0	100	0.001284	1000	0.0013381					10000	0.0013338
Magnesium	0	0	5100		50000	1.6396E-06			500000	1.77502E-06	10000	
Manganese	0	0	100	0.0002622	1000	2.5155E-04	10000	2.3562E-04			10000	
Molybdenum	0	0	100	0.0043388	1000	0.004582					10000	0.0045058
Nickel	0	0	100	0.0035686	1000	0.0036117					10000	0.0036004
Potassium	0	0	1000	9.720001E-06	10000	1.0947E-05						
Selenium	0	0	100	0.0004427	1000	4.6908E-04					10000	4.5249E-04
Silver	0	0	20	0.0000575	500	5.518E-05	2000	5.6715E-05				
Sodium	0	0	1000		50000	4.292E-05						
Thallium	0	0	100	0.0006592	1000	7.2481E-04					10000	7.0269E-04
Tin	0	0	50	0.0012642	1000	0.0013419					5000	1.32644E-03
Titanium	0	0	100	0.0002215	1000	2.1817E-04					10000	2.1809E-04
Vanadium	0	0	100	0.0000487	1000	4.682E-05					10000	4.7619E-05
Zinc	0	0	100	0.0052583	1000	0.0055336					10000	0.0053874
Strontium	0	0	100	0.001696	1000	0.001712					10000	0.00167

INITIAL CALIBRATION DATA (Continued)

SW6010C

Laboratory: Empirical Laboratories, LLC
SDG: CTOJM29_002
Client: Tetra Tech NUS, Inc. (T010)
Project: Saufley Field Site 4 CTOJM29
Calibration: 1129006
Instrument: ME-ICP
Matrix: Water
Calibration Dates: 5/5/11 10:06 5/5/11 11:07

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
Aluminum												
Antimony												
Arsenic												
Barium												
Beryllium												
Boron												
Cadmium												
Calcium	100000		500000	4.598E-05								
Chromium												
Cobalt												
Copper												
Iron												
Lead												
Magnesium			100000	1.6994E-06								
Manganese												
Molybdenum												
Nickel												
Potassium	100000	1.1331E-05										
Selenium												
Silver												
Sodium	100000	4.1383E-05	500000	4.1764E-05								
Thallium												
Tin												
Titanium												
Vanadium												
Zinc												
Strontium												

INITIAL CALIBRATION DATA (Continued)

SW6010C

Laboratory: Empirical Laboratories, LLC
SDG: CTOJM29_002
Client: Tetra Tech NUS, Inc. (T010)
Project: Saufley Field Site 4 CTOJM29
Calibration: 1129006
Instrument: ME-ICP
Matrix: Water
Calibration Dates: 5/5/11 10:06 5/5/11 11:07

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
Aluminum	1.527925E-05	66.73893	7.858153	169.4511	0.9999998		0.998	
Antimony	5.2649E-04	67.0935	8.800865	184.8748	0.9999828		0.998	
Arsenic	2.836875E-04	66.91231	6.06205	172.8005	0.9999894		0.998	
Barium	9.26505E-03	66.72517	4.54651	167.8955	0.9999647		0.998	
Beryllium	2.016875E-03	66.76872	12.67457	191.9417	0.999954		0.998	
Boron	1.1658E-05	66.66954	4.00922	165.9343	0.9999964		0.998	
Cadmium	0.011011	66.75106	7.290757	180.7873	0.9999611		0.998	
Calcium	3.507618E-05	66.75533	1.214785	124.2373	0.9999999		0.998	
Chromium	2.755375E-05	66.67896	13.83707	193.0038	0.9999973		0.998	
Cobalt	4.168325E-03	66.78057	4.660092	170.8134	0.9999983		0.998	
Copper	5.87635E-05	66.6986	1.23229	96.91262	0.999994		0.998	
Iron	9.670463E-06	66.68719	5.469443	178.2913	0.9999997		0.998	
Lead	9.889751E-04	66.71287	9.66605	186.8729	0.9999997		0.998	
Magnesium	1.278505E-06	66.80739	15.65328	195.5938	0.9999157		0.998	
Manganese	1.873425E-04	66.92111	6.807035	188.2906	0.9999597		0.998	
Molybdenum	3.35665E-03	66.7353	3.75515	169.9416	0.9999964		0.998	
Nickel	2.695175E-03	66.67011	3.695118	168.8261	0.9999999		0.998	
Potassium	7.9995E-06	67.21763	1.427507	117.414	0.9999953		0.998	
Selenium	3.410675E-04	66.74306	4.077888	168.6673	0.9999867		0.998	
Silver	4.234875E-05	66.70548	5.849805	176.9326	0.9999455		0.998	
Sodium	3.151675E-05	66.69891	3.95424	176.3072	0.9999833		0.998	
Thallium	5.21675E-04	66.87107	15.47625	189.1976	0.9999876		0.998	
Tin	9.83135E-04	66.75412	15.55026	188.5616	0.9999928		0.998	
Titanium	1.6444E-04	66.67367	1.187882	152.9809	1		0.998	
Vanadium	3.578475E-05	66.70142	1.229028	124.1952	0.9999966		0.998	
Zinc	4.044825E-03	66.72462	46.8905	196.8876	0.9999919		0.998	
Strontium	0.0012695	66.68061	3.67485	173.1419	0.9999939		0.998	

Data for SW6010C
Supporting Raw Data/Logs

Sample Name: SEQ-CAL1 Acquired: 4/28/2011 9:36:19 Type: Cal
Method: DuoEnviroMethodNEW(v2181) Mode: IR Corr. Factor: 1.000000
User: rburr Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	As1972	B_2496	Ba2335	Be3130
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.00005	-.00029	-.00129	.00168	.00001	.00595	.00011
Stddev	.00000	.00008	.00026	.00051	.00000	.00081	.00001
%RSD	6.4655	28.897	20.021	30.401	25.926	13.542	11.520
#1	.00005	-.00030	-.00139	.00219	.00001	.00551	.00011
#2	.00005	-.00037	-.00100	.00117	.00001	.00546	.00012
#3	.00005	-.00020	-.00149	.00166	.00001	.00689	.00009

Elem	Ca3179	Cd2144	Cd2288	Co2286	Cr2677	Cu2199	Cu3247
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.00045	.00433	.03910	.00509	-.00001	.0000	.00048
Stddev	.00003	.00089	.00023	.00031	.00001	.0000	.00001
%RSD	6.9144	20.447	.57877	6.0595	47.435	145.8	1.5390
#1	.00049	.00426	.03886	.00510	-.00001	.0000	.00048
#2	.00043	.00526	.03915	.00539	-.00001	.0000	.00049
#3	.00045	.00349	.03930	.00478	-.00002	.0000	.00048

Elem	Fe2611	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.00000	-.00132	.00001	.00002	.00069	.00165	.00831
Stddev	.00001	.00010	.00001	.00001	.00028	.00010	.00073
%RSD	305.12	7.9059	85.490	38.671	40.347	5.9183	8.7683
#1	-.00001	-.00124	.00001	.00001	.00059	.00175	.00757
#2	.00001	-.00144	.00002	.00001	.00100	.00165	.00833
#3	.00001	-.00128	.00000	.00002	.00047	.00155	.00903

Elem	Pb2203	Sb2068	Se1960	Sn1899	Sr4215	Ti3349	Tl1908
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.00076	-.00186	.00178	-.00040	-.0003	.00029	-.00090
Stddev	.00128	.00025	.00032	.00030	.0001	.00001	.00018
%RSD	168.27	13.576	17.710	74.982	29.76	2.9861	20.501
#1	-.00037	-.00184	.00173	-.00026	-.0002	.00028	-.00084
#2	.00215	-.00162	.00212	-.00074	-.0004	.00028	-.00111
#3	.00050	-.00212	.00149	-.00020	-.0004	.00030	-.00075

Sample Name: SEQ-CAL1 Acquired: 4/28/2011 9:36:19 Type: Cal
Method: DuoEnviroMethodNEW(v2181) Mode: IR Corr. Factor: 1.000000
User: rburr Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	V_2924	Zn2062	
Units	Cts/S	Cts/S	
Avg	.00005	.00027	
Stddev	.00001	.00035	
%RSD	10.641	129.21	
#1	.00005	.00068	
#2	.00005	.00012	
#3	.00004	.00002	
Int. Std.	Sc1880	Sc3613	Sc3613-2
Units	Cts/S	Cts/S	Cts/S
Avg	1555.5	664480.	86639.
Stddev	6.8	4390.	23.
%RSD	.43835	.66073	.02614
#1	1559.1	668870.	86614.
#2	1559.8	660090.	86658.
#3	1547.6	664480.	86644.

Sample Name: SEQ-CAL2 Acquired: 4/28/2011 10:23:54 Type: Cal
Method: DuoEnviroMethodNEW(v2181) Mode: IR Corr. Factor: 1.000000
User: rburr Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	As1972	B_2496	Ba2335	Be3130	Ca3179
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.00119**	**.10190**	**.03882**	**.03806**	**.00076**	**.73251**	**.28633**	**.04628**
Stddev	.00002	.00012	.00029	.00019	.00002	.01118	.00125	.00031
%RSD	1.7544	.12196	.74240	.51150	2.4844	1.5264	.43613	.67700
#1	.00119	.10176	.03872	.03828	.00075	.72191	.28499	.04592
#2	.00120	.10201	.03914	.03793	.00078	.74419	.28653	.04643
#3	.00116	.10193	.03860	.03797	.00074	.73144	.28747	.04649

Elem	Cd2144	Cd2288	Co2286	Cr2677	Cu2199	Cu3247	Fe2611	K_7664
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1.6273**	**1.0889**	**.70388**	**.00390**	**.0002**	**.00927**	**.07350**	**.00972**
Stddev	.0261	.0163	.01205	.00009	.0000	.00022	.00044	.00010
%RSD	1.6017	1.4923	1.7114	2.2594	3.223	2.3562	.59405	1.0420
#1	1.6023	1.0746	.69296	.00392	.0002	.00937	.07304	.00968
#2	1.6543	1.1066	.71680	.00398	.0002	.00942	.07356	.00965
#3	1.6253	1.0854	.70187	.00381	.0002	.00902	.07391	.00984

Elem	Mn2576	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Sn1899	Sr4215
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.02587**	**.47919**	**.39522**	**.15748**	**.08813**	**.05231**	**.07314**	**.1771**
Stddev	.00065	.00656	.00675	.00332	.00107	.00098	.00089	.0005
%RSD	2.5312	1.3693	1.7075	2.1054	1.2158	1.8715	1.2199	.2991
#1	.02610	.47292	.38903	.15462	.08700	.05153	.07217	.1766
#2	.02638	.48601	.40241	.16111	.08914	.05341	.07392	.1773
#3	.02513	.47863	.39420	.15669	.08824	.05198	.07333	.1776

Elem	Ti3349	Tl1908	V_2924	Zn2062
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.02310**	**.09625**	**.00472**	**.63429**
Stddev	.00007	.00163	.00009	.00954
%RSD	.28192	1.6972	1.9912	1.5035
#1	.02304	.09473	.00475	.62581
#2	.02317	.09798	.00480	.64461
#3	.02309	.09605	.00462	.63245

Sample Name: SEQ-CAL2 Acquired: 4/28/2011 10:23:54 Type: Cal
Method: DuoEnviroMethodNEW(v2181) Mode: IR Corr. Factor: 1.000000
User: rburr Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Sc1880	Sc3613	Sc3613-2
Units	Cts/S	Cts/S	Cts/S
Avg	1418.2	664210.	88450.
Stddev	19.8	16591.	328.
%RSD	1.3933	2.4979	.37118
#1	1437.6	658120.	88801.
#2	1398.1	651520.	88397.
#3	1418.9	682980.	88151.

Sample Name: SEQ-CAL3 Acquired: 4/28/2011 10:31:43 Type: Cal
Method: DuoEnviroMethodNEW(v2181) Mode: IR Corr. Factor: 1.000000
User: rburr Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	As1972	B_2496	Ba2335	Be3130	Ca3179
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.02767**	**.20703**	**.42259**	**.40377**	**.01478**	**14.153**	**2.9696**	**2.0599**
Stddev	.00011	.00115	.00275	**.00368**	.00004	.098	.0169	.0148
%RSD	.40480	.55567	.65019	.91079	.26039	.69109	.56960	.71793
#1	.02760	.20795	.41982	.40029	.01474	14.058	2.9862	2.0737
#2	.02761	.20741	.42264	.40339	.01479	14.147	2.9701	2.0618
#3	.02780	.20574	.42532	.40762	.01481	14.253	2.9524	2.0443

Elem	Cd2144	Cd2288	Co2286	Cr2677	Cu2199	Cu3247	Fe2611	K_7664
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**17.100**	**11.151**	**7.2523**	**.03881**	**.0021**	**.09081**	**.14491**	**.11323**
Stddev	.140	**.068**	**.0603**	.00015	.0000	.00028	.00063	.00080
%RSD	.81889	.61003	.83086	.37714	.3315	.30450	.43183	.70396
#1	16.959	11.082	7.1919	.03867	.0021	.09055	.14540	.11403
#2	17.101	11.151	7.2525	.03880	.0021	.09079	.14512	.11322
#3	17.239	11.218	7.3124	.03896	.0021	.09110	.14420	.11244

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.08117**	**.25130**	**4.9429**	**2.4567**	**3.8771**	**1.5763**	**.96012**	**.53298**
Stddev	.00056	.00115	.0350	.0099	.0222	.0116	.00740	.00420
%RSD	.68480	.45853	.70743	.40344	.57145	.73465	.77040	.78839
#1	.08165	.25028	4.9070	2.4672	3.8541	1.5655	.95315	.52930
#2	.08131	.25109	4.9447	2.4552	3.8790	1.5750	.95933	.53210
#3	.08056	.25255	4.9769	2.4476	3.8983	1.5885	.96788	.53756

Elem	Sn1899	Sr4215	Ti3349	Tl1908	V_2924	Zn2062
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1.5200**	**1.781**	**.22875**	**.99980**	**.04640**	**6.5742**
Stddev	.0105	.009	.00133	.00872	.00025	.0357
%RSD	.69279	.5246	.58138	.87259	.54049	.54353
#1	1.5095	1.791	.23013	.99203	.04615	6.5359
#2	1.5200	1.779	.22865	.99812	.04638	6.5799
#3	1.5306	1.773	.22748	1.0092	.04665	6.6067

Sample Name: SEQ-CAL3 Acquired: 4/28/2011 10:31:43 Type: Cal
Method: DuoEnviroMethodNEW(v2181) Mode: IR Corr. Factor: 1.000000
User: rburr Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Sc1880	Sc3613	Sc3613-2
Units	Cts/S	Cts/S	Cts/S
Avg	1271.0	635280.	85697.
Stddev	7.6	2578.	506.
%RSD	.59593	.40575	.59003
#1	1278.7	637710.	85285.
#2	1270.9	635540.	85544.
#3	1263.5	632570.	86261.

Sample Name: SEQ-CAL4 Acquired: 4/28/2011 10:42:43 Type: Cal
Method: DuoEnviroMethodNEW(v2181) Mode: IR Corr. Factor: 1.000000
User: rburr Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Ba2335	Mn2576
Units	Cts/S	Cts/S	Cts/S
Avg	.11266	69.340	2.3381
Stddev	.00052	.571	.0199
%RSD	.46216	.82307	.85071
#1	.11299	68.805	2.3502
#2	.11294	69.275	2.3490
#3	.11206	69.941	2.3151

Int. Std.	Sc1880	Sc3613
Units	Cts/S	Cts/S
Avg	1421.0	662800.
Stddev	12.0	3768.
%RSD	.84414	.56855
#1	1431.2	659520.
#2	1423.9	661970.
#3	1407.8	666910.

Sample Name: SEQ-CAL5 Acquired: 4/28/2011 10:49:10 Type: Cal
Method: DuoEnviroMethodNEW(v2181) Mode: IR Corr. Factor: 1.000000
User: rburr Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	Fe2611	Mg2790
Units	Cts/S	Cts/S	Cts/S
Avg	**10.269**	**6.6954**	**.85567**
Stddev	.051	.0276	.00166
%RSD	.49456	.41209	.19447
#1	10.291	6.6729	.85407
#2	10.305	6.7262	.85739
#3	10.211	6.6871	.85553

Int. Std.	Sc3613-2
Units	Cts/S
Avg	84574.
Stddev	174.
%RSD	.20574
#1	84753.
#2	84405.
#3	84565.

Sample Name: SEQ-CAL6 Acquired: 4/28/2011 10:55:35 Type: Cal
Method: DuoEnviroMethodNEW(v2181) Mode: IR Corr. Factor: 1.000000
User: rburr Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	As1972	B_2496	Be3130	Cd2144	Cd2288	Co2286	Cr2677
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**4.1082**	**3.8535**	**.07266**	**28.199**	**155.32**	**102.84**	**71.015**	**.38927**
Stddev	.0217	.0157	.00054	.053	.63	.51	.317	.00194
%RSD	.52893	.40760	.74052	.18910	.40414	.49876	.44653	.49773
#1	4.1307	3.8714	.07223	28.151	156.04	103.38	71.381	.38892
#2	4.1067	3.8418	.07326	28.190	155.01	102.79	70.811	.39136
#3	4.0873	3.8473	.07248	28.256	154.90	102.36	70.855	.38754

Elem	Cu2199	Cu3247	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Sn1899
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.0213**	**.87863**	**48.392**	**38.284**	**15.639**	**9.2352**	**5.1127**	**7.3870**
Stddev	.0002	.01155	.232	.170	.084	.0562	.0250	.0273
%RSD	.7225	1.3146	.48019	.44530	.53829	.60807	.48958	.36926
#1	.0212	.87125	48.637	38.461	15.735	9.2973	5.1412	7.4176
#2	.0215	.89194	48.366	38.270	15.606	9.1881	5.1030	7.3784
#3	.0212	.87271	48.175	38.121	15.577	9.2203	5.0940	7.3651

Elem	Sr4215	Ti3349	Tl1908	V_2924	Zn2062
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**17.55**	**2.2771**	**9.6348**	**.46102**	**63.262**
Stddev	.19	.0062	.0598	.00263	.264
%RSD	1.095	.27285	.62050	.57106	.41763
#1	17.40	2.2725	9.7013	.46103	63.482
#2	17.76	2.2842	9.5856	.46365	63.336
#3	17.48	2.2747	9.6175	.45838	62.969

Int. Std.	Sc1880	Sc3613	Sc3613-2
Units	Cts/S	Cts/S	Cts/S
Avg	1311.4	644130.	86872.
Stddev	5.5	3351.	192.
%RSD	.41954	.52021	.22046
#1	1305.0	646810.	87065.
#2	1314.9	640380.	86682.
#3	1314.2	645210.	86868.

Sample Name: SEQ-ICV Acquired: 4/28/2011 11:34:07 Type: QC
Method: DuoEnviroMethodNEW(v2185) Mode: CONC Corr. Factor: 1.000000
User: rburr Custom ID1: Custom ID2: Custom ID3:
Comment: 11D0673

Elem	Ag3280	Al3961	As1890	As1972	B_2496	Ba2335	Be3130
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**505.19**	**9916.7**	**1020.0**	**1010.5**	F **1054.6**	**1014.9**	**1017.2**
Stddev	1.78	59.1	4.2	6.4	6.7	6.3	4.8
%RSD	.35220	.59561	.41558	.63377	.63358	.62278	.47619
#1	503.78	9880.8	1016.9	1003.8	1050.0	1009.3	1013.0
#2	504.59	9884.5	1018.2	1011.1	1051.5	1013.8	1016.0
#3	507.19	9984.9	1024.8	1016.5	1062.3	1021.7	1022.5
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
Value					1000.0		
Range					±50.000		

Elem	Ca3179	Cd2144	Cd2288	Co2286	Cr2677	Cu2199	Cu3247
Units	ppm	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**51.849**	**972.58**	**995.97**	**986.59**	**953.34**	**999.6**	**1000.0**
Stddev	.541	5.39	5.36	6.99	7.39	7.3	7.2
%RSD	1.0438	.55470	.53853	.70835	.77526	.7328	.71998
#1	51.862	967.23	991.50	980.17	946.36	992.1	993.14
#2	51.302	972.50	994.50	985.56	952.58	1000.	999.40
#3	52.384	978.01	1001.9	994.03	961.09	1007.	1007.5
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Fe2611	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Units	ppb	ppm	ppm	ppb	ppb	ppm	ppb
Avg	F **10597.**	F **9.1103**	**49.407**	F **1066.4**	**1025.0**	**51.291**	**990.80**
Stddev	54.	.0444	.389	6.7	7.0	.344	5.98
%RSD	.50806	.48695	.78748	.62669	.67921	.67001	.60316
#1	10558.	9.0633	49.260	1061.5	1018.0	50.902	985.73
#2	10574.	9.1163	49.113	1063.7	1025.0	51.553	989.27
#3	10658.	9.1514	49.848	1074.0	1031.9	51.419	997.39
Check ?	Chk Fail	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value	10000.	10.000		1000.0			
Range	±500.00	±-.50000		±50.000			

Sample Name: SEQ-ICV Acquired: 4/28/2011 11:34:07 Type: QC
Method: DuoEnviroMethodNEW(v2185) Mode: CONC Corr. Factor: 1.000000
User: rburr Custom ID1: Custom ID2: Custom ID3:
Comment: 11D0673

Elem	Pb2203	Sb2068	Se1960	Sn1899	Sr4215	Ti3349	Tl1908
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**979.51**	**1007.2**	**1002.4**	**991.88**	**1013.**	**998.81**	**960.93**
Stddev	4.98	6.0	3.6	6.16	4.	6.30	6.05
%RSD	.50857	.59291	.35518	.62066	.3828	.63052	.63002
#1	975.24	1001.0	1000.6	987.01	1009.	994.01	956.08
#2	978.30	1007.7	1000.1	989.82	1012.	996.47	958.99
#3	984.98	1012.9	1006.5	998.80	1017.	1005.9	967.71
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	V_2924	Zn2062
Units	ppb	ppb
Avg	**997.54**	**1014.7**
Stddev	7.62	5.5
%RSD	.76424	.53843
#1	990.98	1008.9
#2	995.72	1015.3
#3	1005.9	1019.8
Check ?	Chk Pass	Chk Pass
Value		
Range		

Int. Std.	Sc1880	Sc3613	Sc3613-2
Units	Cts/S	Cts/S	Cts/S
Avg	1309.8	640920.	86335.
Stddev	8.5	4786.	532.
%RSD	.64750	.74670	.61562
#1	1315.1	644700.	86482.
#2	1314.3	642520.	86778.
#3	1300.0	635540.	85746.

Sample Name: SEQ-ICB Acquired: 4/28/2011 11:42:09 Type: QC
Method: DuoEnviroMethodNEW(v2185) Mode: CONC Corr. Factor: 1.000000
User: rburr Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	As1972	B_2496	Ba2335	Be3130	Ca3179
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppm
Avg	**.00457**	**.21245**	**.18325**	**-1.2649**	**1.9193**	**.11026**	**.00904**	**.00447**
Stddev	.04878	1.9765	.57497	.7757	.2300	.04349	.02088	.00143
%RSD	1067.5	930.35	313.76	61.322	11.982	39.446	231.09	32.008
#1	.03629	.99609	-.47937	-1.4928	2.1615	.08279	.00011	.00291
#2	.02902	-2.0358	.55047	-.40081	1.8923	.08759	-.00590	.00477
#3	-.05160	1.6770	.47867	-1.9011	1.7039	.16041	.03290	.00573
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Cd2144	Cd2288	Co2286	Cr2677	Cu2199	Cu3247	Fe2611	K_7664
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppm
Avg	**.06456**	**-.19376**	**.10596**	**.02963**	**-1.090**	**-.99042**	**3.1776**	**-.01518**
Stddev	.02128	.02728	.10465	.13261	.747	.07390	1.4738	.01207
%RSD	32.972	14.080	98.766	447.51	68.50	7.4616	46.381	79.492
#1	.04161	-.16334	.12150	-.10181	-1.018	-.97757	2.1292	-.00931
#2	.06840	-.21606	.20198	.16338	-.3820	-.92379	2.5408	-.02906
#3	.08366	-.20187	-.00559	.02733	-1.870	-1.0699	4.8627	-.00718
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
Units	ppm	ppb	ppb	ppm	ppb	ppb	ppb	ppb
Avg	**-.00319**	**.09556**	**.75448**	**.00291**	**.96500**	**-.26003**	**.12690**	**-.18175**
Stddev	.00026	.03006	.02379	.00097	.05791	.54594	.09259	.43083
%RSD	8.1252	31.461	3.1535	33.409	6.0012	209.95	72.961	237.05
#1	-.00309	.06131	.72732	.00263	.89852	.32210	.21741	-.36277
#2	-.00299	.11761	.76449	.00211	.99198	-.34158	.13092	-.49253
#3	-.00348	.10775	.77163	.00399	1.0045	-.76061	.03237	.31006
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: SEQ-ICB Acquired: 4/28/2011 11:42:09 Type: QC
Method: DuoEnviroMethodNEW(v2185) Mode: CONC Corr. Factor: 1.000000
User: rburr Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4215	Ti3349	Tl1908	V_2924	Zn2062
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.26040**	**.0548**	**.33199**	**.10968**	**.33150**	**.04808**
Stddev	.33994	.0677	.07399	.23546	.21992	.13382
%RSD	130.54	123.6	22.288	214.68	66.340	278.29
#1	-.06226	-.0051	.27157	.19626	.25419	.20145
#2	.61532	.0413	.41452	-.15681	.16068	-.01231
#3	.22816	.1282	.30989	.28961	.57964	-.04489
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Sc1880	Sc3613	Sc3613-2
Units	Cts/S	Cts/S	Cts/S
Avg	1455.0	664770.	87918.
Stddev	7.8	6256.	1671.
%RSD	.53464	.94111	1.9004
#1	1452.7	671270.	89270.
#2	1463.7	658780.	86050.
#3	1448.6	664270.	88436.

Sample Name: SEQ-CRL Acquired: 4/28/2011 11:46:50 Type: QC
Method: DuoEnviroMethodNEW(v2185) Mode: CONC Corr. Factor: 1.000000
User: rburr Custom ID1: Custom ID2: Custom ID3:
Comment: RLSTDA

Elem	Ag3280	Al3961	As1890	As1972	B_2496	Ba2335	Be3130	Ca3179
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppm
Avg	**1.9958**	**103.31**	**5.3783**	**5.4432**	**9.0127**	**10.321**	**2.0184**	**2.0734**
Stddev	.2635	1.75	.2519	1.3809	.0484	.094	.0181	.0051
%RSD	13.203	1.6920	4.6840	25.368	.53696	.90997	.89531	.24594
#1	1.7173	102.18	5.6164	5.4374	9.0195	10.213	2.0358	2.0752
#2	2.0289	102.41	5.1145	6.8270	9.0574	10.369	1.9997	2.0773
#3	2.2412	105.32	5.4040	4.0653	8.9613	10.382	2.0197	2.0676
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Elem	Cd2144	Cd2288	Co2286	Cr2677	Cu2199	Cu3247	Fe2611	K_7664
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppm
Avg	**1.9879**	**1.7854**	**9.4794**	**4.0422**	**7.869**	**6.8554**	**65.875**	**2.8528**
Stddev	.0505	.0607	.0970	.0980	.583	.1077	1.273	.0156
%RSD	2.5404	3.3991	1.0228	2.4253	7.414	1.5712	1.9319	.54616
#1	1.9522	1.7427	9.5260	3.9764	7.467	6.8690	65.222	2.8402
#2	2.0456	1.8549	9.3679	3.9954	7.602	6.7415	65.061	2.8480
#3	1.9657	1.7588	9.5442	4.1549	8.538	6.9557	67.341	2.8702
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
Units	ppm	ppb	ppb	ppm	ppb	ppb	ppb	ppb
Avg	**2.7916**	**6.6296**	**9.8988**	**2.9939**	**6.6387**	**3.3016**	**7.2344**	**6.4606**
Stddev	.0069	.0650	.0191	.0102	.0945	.6511	.1782	1.4048
%RSD	.24723	.98015	.19254	.34086	1.4230	19.720	2.4630	21.744
#1	2.7891	6.5550	9.8795	2.9873	6.7178	2.5540	7.2016	7.9748
#2	2.7993	6.6597	9.9176	2.9888	6.6641	3.7440	7.4266	5.1997
#3	2.7862	6.6741	9.8993	3.0057	6.5341	3.6068	7.0748	6.2074
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Sample Name: SEQ-CRL Acquired: 4/28/2011 11:46:50 Type: QC
Method: DuoEnviroMethodNEW(v2185) Mode: CONC Corr. Factor: 1.000000
User: rburr Custom ID1: Custom ID2: Custom ID3:
Comment: RLSTDA

Elem	Sn1899	Sr4215	Ti3349	Tl1908	V_2924	Zn2062
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**19.388**	**5.943**	**10.230**	**3.4579**	**10.271**	**9.7629**
Stddev	.220	.022	.257	.3255	.091	.0985
%RSD	1.1339	.3783	2.5077	9.4125	.88516	1.0089
#1	19.155	5.967	10.477	3.0954	10.327	9.8265
#2	19.416	5.922	9.9648	3.5531	10.320	9.6494
#3	19.592	5.940	10.249	3.7252	10.166	9.8128
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Int. Std.	Sc1880	Sc3613	Sc3613-2
Units	Cts/S	Cts/S	Cts/S
Avg	1457.2	666080.	88452.
Stddev	4.2	4712.	167.
%RSD	.29113	.70744	.18921
#1	1457.8	665700.	88423.
#2	1461.2	661580.	88302.
#3	1452.7	670980.	88633.

Sample Name: SEQ-IFA Acquired: 4/28/2011 11:56:29 Type: Unk
Method: DuoEnviroMethodNEW(v2185) Mode: CONC Corr. Factor: 1.000000
User: rburr Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	As1972	B_2496	Ba2335	Be3130
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.53525**	**509660.**	**-.98644**	**-3.4948**	**9.9962**	**1.3968**	**.01887**
Stddev	.14440	5190.	.70998	1.8143	.3548	.3576	.02349
%RSD	26.978	1.0184	71.973	51.914	3.5488	25.603	124.48
#1	-.58568	514780.	-.80734	-5.5813	10.399	1.0001	-.00632
#2	-.64767	509810.	-1.7688	-2.6152	9.8575	1.4956	.02274
#3	-.37240	504400.	-.38316	-2.2880	9.7317	1.6946	.04018

Elem	Ca3179	Cd2144	Cd2288	Co2286	Cr2677	Cu2199	Cu3247
Units	ppm	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**490.14**	**1.6531**	**-1.3881**	**-.70120**	**-1.4939**	**-1.353**	**-5.4133**
Stddev	.96	.2686	.1720	.08203	.2707	1.346	.0775
%RSD	.19561	16.247	12.391	11.699	18.122	99.46	1.4326
#1	491.05	1.4532	-1.3656	-.76182	-1.6648	-.3529	-5.3766
#2	489.14	1.5476	-1.2284	-.73392	-1.6352	-.8231	-5.3610
#3	490.23	1.9583	-1.5702	-.60785	-1.1818	-2.883	-5.5024

Elem	Fe2611	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Units	ppb	ppm	ppm	ppb	ppb	ppm	ppb
Avg	**196470.**	**-.09085**	**494.90**	**4.5331**	**.77895**	**.02472**	**-3.3154**
Stddev	625.	.01700	1.88	.0495	.25396	.00182	.2067
%RSD	.31797	18.716	.38074	1.0922	32.603	7.3703	6.2344
#1	196800.	-.07608	494.75	4.4769	1.0685	.02503	-3.0768
#2	196860.	-.10944	496.86	4.5701	.59420	.02276	-3.4347
#3	195750.	-.08704	493.10	4.5522	.67412	.02636	-3.4348

Elem	Pb2203	Sb2068	Se1960	Sn1899	Sr4215	Ti3349	Tl1908
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**5.6980**	**-2.0785**	**.26021**	**.39133**	**-5.689**	**-5.3542**	**.93036**
Stddev	.6058	.7833	2.6360	.18317	.038	.2606	1.0079
%RSD	10.632	37.685	1013.0	46.806	.6676	4.8673	108.34
#1	5.2589	-2.8360	-2.7015	.35174	-5.733	-5.3772	.91757
#2	5.4461	-2.1277	1.1330	.23119	-5.666	-5.6025	1.9446
#3	6.3891	-1.2717	2.3492	.59105	-5.668	-5.0828	-.07111

Sample Name: SEQ-IFA Acquired: 4/28/2011 11:56:29 Type: Unk
Method: DuoEnviroMethodNEW(v2185) Mode: CONC Corr. Factor: 1.000000
User: rburr Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	V_2924	Zn2062	
Units	ppb	ppb	
Avg	**.58473**	**6.9663**	
Stddev	.13251	.2394	
%RSD	22.662	3.4368	
#1	.55879	6.6922	
#2	.72829	7.1346	
#3	.46711	7.0720	
Int. Std.	Sc1880	Sc3613	Sc3613-2
Units	Cts/S	Cts/S	Cts/S
Avg	1078.8	585730.	83418.
Stddev	6.7	1485.	287.
%RSD	.62016	.25362	.34356
#1	1078.7	585890.	83345.
#2	1085.5	584180.	83175.
#3	1072.2	587140.	83734.

Sample Name: SEQ-IFB Acquired: 4/28/2011 12:03:17 Type: QC
Method: DuoEnviroMethodNEW(v2185) Mode: CONC Corr. Factor: 1.000000
User: rburr Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	As1972	B_2496	Ba2335	Be3130
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**206.19**	**518660.**	**109.68**	**103.27**	**39.219**	**536.01**	**487.46**
Stddev	1.22	8646.	1.96	2.64	1.710	4.65	2.98
%RSD	.59364	1.6670	1.7907	2.5552	4.3590	.86822	.61134
#1	207.00	511870.	108.90	105.61	37.245	532.74	484.26
#2	204.78	515720.	108.23	103.78	40.238	533.94	487.98
#3	206.78	528400.	111.91	100.41	40.174	541.34	490.15
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass
Value							
Range							

Elem	Ca3179	Cd2144	Cd2288	Co2286	Cr2677	Cu2199	Cu3247
Units	ppm	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**496.24**	**937.72**	**1093.7**	**480.79**	**451.49**	**474.3**	**504.96**
Stddev	3.84	9.36	11.3	4.80	2.04	1.6	2.83
%RSD	.77430	.99847	1.0337	.99841	.45083	.3329	.55949
#1	492.99	930.82	1085.9	478.10	453.62	475.4	506.42
#2	495.25	933.98	1088.4	477.93	451.28	472.5	501.71
#3	500.48	948.38	1106.6	486.33	449.56	474.9	506.76
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Fe2611	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Units	ppb	ppm	ppm	ppb	ppb	ppm	ppb
Avg	**203460.**	**-.09826**	**503.78**	**496.74**	**.82503**	**.02505**	**972.56**
Stddev	1669.	.00671	2.80	1.52	.42057	.00141	9.86
%RSD	.82020	6.8241	.55602	.30645	50.976	5.6129	1.0134
#1	201600.	-.10247	500.54	498.47	.81401	.02356	965.51
#2	203940.	-.10178	505.50	495.60	1.2510	.02636	968.35
#3	204840.	-.09053	505.29	496.15	.41009	.02522	983.82
Check ?	Chk Pass	None	Chk Pass	Chk Pass	None	None	Chk Pass
Value							
Range							

Sample Name: SEQ-IFB Acquired: 4/28/2011 12:03:17 Type: QC
Method: DuoEnviroMethodNEW(v2185) Mode: CONC Corr. Factor: 1.000000
User: rburr Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Pb2203	Sb2068	Se1960	Sn1899	Sr4215	Ti3349	Tl1908
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**54.586**	**638.41**	**49.215**	**1.1766**	**-5.731**	**-4.9636**	**88.490**
Stddev	.838	9.27	2.164	.5382	.018	.2009	2.927
%RSD	1.5359	1.4523	4.3973	45.740	.3178	4.0468	3.3072
#1	54.362	631.25	48.939	.64007	-5.710	-4.8425	86.212
#2	55.513	635.10	51.504	1.7164	-5.738	-4.8529	87.468
#3	53.881	648.88	47.202	1.1733	-5.744	-5.1955	91.791
Check ?	Chk Pass	Chk Pass	Chk Pass	None	None	None	Chk Pass
Value							
Range							

Elem	V_2924	Zn2062
Units	ppb	ppb
Avg	**470.09**	**1010.7**
Stddev	1.61	9.3
%RSD	.34167	.91673
#1	471.88	1003.9
#2	469.62	1007.0
#3	468.78	1021.2
Check ?	Chk Pass	Chk Pass
Value		
Range		

Int. Std.	Sc1880	Sc3613	Sc3613-2
Units	Cts/S	Cts/S	Cts/S
Avg	1065.2	586650.	82213.
Stddev	9.5	2778.	420.
%RSD	.89629	.47351	.51038
#1	1071.6	583550.	82698.
#2	1069.8	588910.	81962.
#3	1054.3	587490.	81980.

Sample Name: SEQ-CCV Acquired: 4/28/2011 12:14:13 Type: QC
Method: DuoEnviroMethodNEW(v2185) Mode: CONC Corr. Factor: 1.000000
User: rburr Custom ID1: Custom ID2: Custom ID3:
Comment: 11D0674

Elem	Ag3280	Al3961	As1890	As1972	B_2496	Ba2335	Be3130	Ca3179
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppm
Avg	**492.37**	**9827.0**	**1002.0**	**983.49**	**1029.4**	**991.10**	**1015.1**	**51.611**
Stddev	1.57	28.2	2.7	2.35	1.3	3.19	2.8	.116
%RSD	.31951	.28669	.26539	.23869	.12442	.32140	.27701	.22520
#1	494.13	9829.7	1002.3	981.43	1029.9	991.66	1014.2	51.657
#2	491.87	9853.8	999.18	983.00	1030.4	987.67	1012.8	51.479
#3	491.11	9797.6	1004.5	986.05	1028.0	993.97	1018.2	51.698
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Elem	Cd2144	Cd2288	Co2286	Cr2677	Cu2199	Cu3247	Fe2611	K_7664
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppm
Avg	**931.70**	**968.48**	**961.71**	**985.03**	**1007.**	**988.16**	**10401.**	**9.8278**
Stddev	3.32	3.65	2.84	3.93	2.	1.99	44.	.0471
%RSD	.35658	.37649	.29530	.39938	.2252	.20174	.42755	.47925
#1	935.54	966.31	962.80	984.88	1004.	990.07	10401.	9.7965
#2	929.83	966.45	958.48	989.03	1008.	988.31	10356.	9.8820
#3	929.74	972.69	963.83	981.17	1008.	986.09	10445.	9.8050
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
Units	ppm	ppb	ppb	ppm	ppb	ppb	ppb	ppb
Avg	**48.682**	**1062.7**	**990.79**	**50.343**	**985.08**	**967.20**	**972.96**	**1004.1**
Stddev	.161	4.6	3.42	.099	4.72	2.65	2.11	4.5
%RSD	.32993	.43163	.34567	.19646	.47940	.27349	.21669	.45069
#1	48.743	1064.9	991.20	50.324	984.13	964.44	975.04	1004.5
#2	48.500	1065.8	987.18	50.451	980.90	967.46	970.82	999.38
#3	48.803	1057.4	993.99	50.256	990.21	969.71	973.03	1008.4
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Sample Name: SEQ-CCV Acquired: 4/28/2011 12:14:13 Type: QC
Method: DuoEnviroMethodNEW(v2185) Mode: CONC Corr. Factor: 1.000000
User: rburr Custom ID1: Custom ID2: Custom ID3:
Comment: 11D0674

Elem	Sn1899	Sr4215	Ti3349	Tl1908	V_2924	Zn2062
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**986.89**	**1002.**	**978.13**	**954.94**	**1003.4**	**989.55**
Stddev	4.02	1.	2.26	1.75	4.4	2.55
%RSD	.40684	.1387	.23106	.18305	.43993	.25789
#1	986.52	1001.	976.30	953.57	1004.3	990.59
#2	983.08	1002.	977.43	954.34	1007.2	986.64
#3	991.08	1003.	980.66	956.91	998.56	991.42
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Int. Std.	Sc1880	Sc3613	Sc3613-2
Units	Cts/S	Cts/S	Cts/S
Avg	1326.1	641440.	87256.
Stddev	4.5	1869.	192.
%RSD	.34125	.29136	.21991
#1	1323.0	641190.	87177.
#2	1331.3	639710.	87475.
#3	1324.0	643420.	87116.

Sample Name: SEQ-CCB Acquired: 4/28/2011 12:21:29 Type: QC
Method: DuoEnviroMethodNEW(v2185) Mode: CONC Corr. Factor: 1.000000
User: rburr Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	As1972	B_2496	Ba2335	Be3130	Ca3179
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppm
Avg	**.02543**	**-2.0063**	**1.5904**	**.12671**	**1.4929**	**.08843**	**-.00284**	**.00155**
Stddev	.21594	.5635	.7015	1.3820	.0958	.08137	.01965	.00177
%RSD	849.12	28.087	44.106	1090.7	6.4190	92.016	691.69	113.99
#1	-.12322	-2.2889	.78151	-.09133	1.5517	.14906	-.02372	.00037
#2	-.07362	-2.3726	1.9591	1.6048	1.5448	.12026	-.00008	.00070
#3	.27313	-1.3574	2.0308	-1.1333	1.3824	-.00404	.01528	.00358
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Cd2144	Cd2288	Co2286	Cr2677	Cu2199	Cu3247	Fe2611	K_7664
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppm
Avg	**.10087**	**-.04092**	**.14103**	**.05504**	**-.8996**	**-.67969**	**2.5080**	**-.00557**
Stddev	.02758	.03896	.06810	.08244	.3215	.00919	.6638	.01248
%RSD	27.345	95.217	48.285	149.79	35.73	1.3514	26.469	223.97
#1	.11535	-.08248	.21067	.00095	-1.178	-.67236	2.3637	-.01439
#2	.06906	-.00523	.13782	.01424	-.9731	-.68999	1.9283	.00871
#3	.11819	-.03504	.07459	.14992	-.5478	-.67672	3.2322	-.01104
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
Units	ppm	ppb	ppb	ppm	ppb	ppb	ppb	ppb
Avg	**.00148**	**.08339**	**.66173**	**.00087**	**.41159**	**-.54027**	**-.04699**	**.18116**
Stddev	.00449	.03124	.09974	.00075	.17509	.36361	.58807	.19169
%RSD	303.36	37.459	15.073	86.171	42.540	67.302	1251.3	105.81
#1	-.00252	.06676	.77689	.00149	.60180	-.16171	.20296	-.03950
#2	.00634	.06399	.60397	.00109	.37582	-.88682	.37481	.30654
#3	.00061	.11943	.60431	.00004	.25715	-.57228	-.71875	.27645
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: SEQ-CCB Acquired: 4/28/2011 12:21:29 Type: QC
Method: DuoEnviroMethodNEW(v2185) Mode: CONC Corr. Factor: 1.000000
User: rburr Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4215	Ti3349	Tl1908	V_2924	Zn2062
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.01452	-.0100	.29226	-.43328	.19276	.04370
Stddev	.16550	.0216	.10242	.42418	.03612	.06221
%RSD	1139.8	217.4	35.044	97.900	18.736	142.34
#1	.20291	.0133	.30923	.01980	.19651	.05628
#2	-.10747	-.0296	.18242	-.49869	.22685	.09867
#3	-.05188	-.0135	.38514	-.82096	.15492	-.02383
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Sc1880	Sc3613	Sc3613-2
Units	Cts/S	Cts/S	Cts/S
Avg	1503.3	667220.	88049.
Stddev	3.1	3199.	179.
%RSD	.20728	.47941	.20354
#1	1505.2	663670.	87893.
#2	1505.0	669880.	88007.
#3	1499.7	668100.	88245.

Sample Name: 1D26001-BLK1 Acquired: 4/28/2011 12:26:11 Type: QC
Method: DuoEnviroMethodNEW(v2185) Mode: CONC Corr. Factor: 1.000000
User: rburr Custom ID1: Custom ID2: Custom ID3:
Comment: PBW042611A

Elem	Ag3280	Al3961	As1890	As1972	B_2496	Ba2335	Be3130	Ca3179
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppm
Avg	-.03783	5.0858	.01969	.19850	1.6289	.05627	.05357	.00383
Stddev	.20030	2.9589	1.2295	.92743	.1048	.00553	.02386	.00148
%RSD	529.44	58.180	6245.6	467.22	6.4317	9.8303	44.546	38.576
#1	-.08951	1.9133	-1.3172	-.61284	1.6835	.05110	.02703	.00320
#2	-.20723	5.5735	1.1020	-.00116	1.6950	.06210	.07326	.00552
#3	.18324	7.7705	.27421	1.2095	1.5081	.05560	.06042	.00277
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Cd2144	Cd2288	Co2286	Cr2677	Cu2199	Cu3247	Fe2611	K_7664
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppm
Avg	.06360	-.02311	.07651	-.05668	-1.271	-.32262	1.5327	-.01220
Stddev	.04363	.04493	.03730	.15242	.469	.11962	1.8025	.01019
%RSD	68.604	194.46	48.746	268.89	36.88	37.077	117.61	83.581
#1	.11020	.02877	.03662	.11814	-1.145	-.19195	2.6765	-.01423
#2	.05688	-.04958	.11050	-.16167	-1.790	-.42671	2.4668	-.00114
#3	.02372	-.04852	.08241	-.12652	-.8779	-.34921	-.54516	-.02122
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
Units	ppm	ppb	ppb	ppm	ppb	ppb	ppb	ppb
Avg	.00593	.14729	.25702	.00952	.18184	-.04930	.57762	.18084
Stddev	.00099	.00749	.06974	.00345	.07891	.41880	.75574	.68762
%RSD	16.639	5.0849	27.132	36.217	43.394	849.56	130.84	380.23
#1	.00706	.15447	.33696	.00556	.20393	-.02531	1.4059	-.23690
#2	.00543	.14786	.22539	.01115	.24734	-.47957	-.07443	-.19504
#3	.00529	.13953	.20870	.01184	.09424	.35699	.40138	.97447
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: 1D26001-BLK1 Acquired: 4/28/2011 12:26:11 Type: QC
Method: DuoEnviroMethodNEW(v2185) Mode: CONC Corr. Factor: 1.000000
User: rburr Custom ID1: Custom ID2: Custom ID3:
Comment: PBW042611A

Elem	Sn1899	Sr4215	Ti3349	Tl1908	V_2924	Zn2062
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.05329**	**.0163**	**.27302**	**-.32238**	**.18454**	**.20827**
Stddev	.19035	.0323	.09305	.75187	.02438	.11604
%RSD	357.19	197.3	34.084	233.23	13.212	55.716
#1	.10284	-.0189	.24227	-.74771	.16183	.10591
#2	.00262	.0236	.37755	-.76517	.21030	.18457
#3	-.26533	.0444	.19922	.54575	.18149	.33433
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Sc1880	Sc3613	Sc3613-2
Units	Cts/S	Cts/S	Cts/S
Avg	1520.7	686160.	90949.
Stddev	35.0	2731.	964.
%RSD	2.3015	.39805	1.0596
#1	1544.8	689050.	92031.
#2	1536.9	685800.	90184.
#3	1480.6	683620.	90631.

Sample Name: 1D26001-BS1 Acquired: 4/28/2011 12:30:50 Type: QC
Method: DuoEnviroMethodNEW(v2185) Mode: CONC Corr. Factor: 1.000000
User: rburr Custom ID1: Custom ID2: Custom ID3:
Comment: LCSW042611A

Elem	Ag3280	Al3961	As1890	As1972	B_2496	Ba2335	Be3130	Ca3179
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppm
Avg	**246.01**	**1984.9**	**246.01**	**234.65**	**993.26**	**1943.3**	**48.480**	**5.0723**
Stddev	4.25	24.9	8.18	8.77	14.82	70.9	.508	.0641
%RSD	1.7289	1.2536	3.3250	3.7369	1.4917	3.6499	1.0486	1.2642
#1	249.46	1965.6	237.58	225.67	1004.3	1867.3	48.056	5.0206
#2	247.32	1976.1	253.91	243.19	999.11	2007.7	48.341	5.0522
#3	241.26	2013.0	246.55	235.10	976.41	1955.0	49.044	5.1441
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Elem	Cd2144	Cd2288	Co2286	Cr2677	Cu2199	Cu3247	Fe2611	K_7664
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppm
Avg	**110.06**	**119.25**	**456.47**	**185.78**	**245.4**	**239.27**	**977.41**	**4.9024**
Stddev	4.16	4.35	16.83	2.25	2.9	3.97	11.49	.0558
%RSD	3.7814	3.6480	3.6864	1.2126	1.187	1.6582	1.1755	1.1374
#1	105.47	114.57	438.50	187.44	245.7	242.36	968.75	4.8639
#2	113.60	123.17	471.86	186.70	248.2	240.65	973.04	4.8770
#3	111.10	120.02	459.05	183.22	242.3	234.79	990.44	4.9664
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
Units	ppm	ppb	ppb	ppm	ppb	ppb	ppb	ppb
Avg	**4.3946**	**529.96**	**978.90**	**4.8594**	**490.69**	**241.30**	**229.78**	**234.13**
Stddev	.0604	7.85	36.73	.0491	19.14	10.13	7.27	9.75
%RSD	1.3755	1.4815	3.7516	1.0101	3.9003	4.1959	3.1651	4.1653
#1	4.3571	536.35	939.31	4.8276	469.99	230.25	221.81	223.95
#2	4.3624	532.33	1011.9	4.8347	507.74	250.13	236.04	243.38
#3	4.4644	521.20	985.54	4.9159	494.33	243.52	231.50	235.06
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Sample Name: 1D26001-BS1 Acquired: 4/28/2011 12:30:50 Type: QC
Method: DuoEnviroMethodNEW(v2185) Mode: CONC Corr. Factor: 1.000000
User: rburr Custom ID1: Custom ID2: Custom ID3:
Comment: LCSW042611A

Elem	Sn1899	Sr4215	Ti3349	Tl1908	V_2924	Zn2062
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**948.98**	**968.5**	**948.16**	**224.44**	**481.54**	**478.95**
Stddev	35.70	10.3	12.50	9.35	6.88	17.22
%RSD	3.7619	1.066	1.3185	4.1670	1.4287	3.5944
#1	910.30	959.7	937.82	214.09	487.27	460.42
#2	980.67	966.0	944.62	232.28	483.44	494.44
#3	955.98	979.9	962.05	226.96	473.91	481.99
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Int. Std.	Sc1880	Sc3613	Sc3613-2
Units	Cts/S	Cts/S	Cts/S
Avg	1414.3	671250.	89431.
Stddev	48.2	9984.	904.
%RSD	3.4053	1.4874	1.0106
#1	1466.8	663060.	90074.
#2	1372.2	668320.	89821.
#3	1404.1	682370.	88397.

Sample Name: SEQ-CCV Acquired: 4/28/2011 13:06:32 Type: QC
Method: DuoEnviroMethodNEW(v2185) Mode: CONC Corr. Factor: 1.000000
User: rburr Custom ID1: Custom ID2: Custom ID3:
Comment: 11D0674

Elem	Ag3280	Al3961	As1890	As1972	B_2496	Ba2335	Be3130	Ca3179
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppm
Avg	**491.80**	**9798.2**	**1004.9**	**986.35**	**1025.2**	**991.32**	**1003.9**	**51.088**
Stddev	.73	171.2	3.5	5.41	3.2	2.14	16.7	.780
%RSD	.14758	1.7468	.34528	.54815	.31618	.21538	1.6599	1.5275
#1	491.10	9769.8	1005.3	980.72	1021.5	989.68	998.90	50.637
#2	491.76	9643.0	1001.2	986.84	1027.0	990.54	990.24	50.637
#3	492.55	9981.8	1008.1	991.50	1027.2	993.73	1022.4	51.989
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Elem	Cd2144	Cd2288	Co2286	Cr2677	Cu2199	Cu3247	Fe2611	K_7664
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppm
Avg	**935.26**	**971.46**	**963.05**	**972.77**	**990.3**	**979.79**	**10260.**	**9.8520**
Stddev	1.89	3.92	1.72	5.67	4.8	3.32	165.	.1561
%RSD	.20243	.40328	.17809	.58283	.4827	.33904	1.6042	1.5840
#1	933.07	969.19	961.12	966.83	986.1	975.99	10217.	9.8146
#2	936.26	969.21	963.63	973.34	989.4	982.13	10121.	9.7180
#3	936.44	975.98	964.39	978.13	995.5	981.24	10442.	10.023
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
Units	ppm	ppb	ppb	ppm	ppb	ppb	ppb	ppb
Avg	**48.227**	**1055.8**	**990.85**	**50.209**	**988.24**	**967.47**	**980.46**	**1004.8**
Stddev	.767	5.1	3.10	.845	2.41	2.75	.96	1.9
%RSD	1.5895	.48248	.31242	1.6824	.24342	.28379	.09742	.19350
#1	47.949	1051.0	988.17	50.105	987.22	964.43	981.44	1006.9
#2	47.638	1055.4	990.13	49.422	986.52	968.22	979.54	1003.0
#3	49.094	1061.2	994.24	51.101	990.99	969.77	980.41	1004.5
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Sample Name: SEQ-CCV Acquired: 4/28/2011 13:06:32 Type: QC
Method: DuoEnviroMethodNEW(v2185) Mode: CONC Corr. Factor: 1.000000
User: rburr Custom ID1: Custom ID2: Custom ID3:
Comment: 11D0674

Elem	Sn1899	Sr4215	Ti3349	Tl1908	V_2924	Zn2062
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	987.89	992.9	969.62	964.45	992.60	993.00
Stddev	5.43	15.5	15.79	1.65	5.67	3.24
%RSD	.54992	1.561	1.6288	.17146	.57078	.32588
#1	984.42	989.0	964.44	962.64	986.93	990.43
#2	985.09	979.7	957.07	965.89	992.60	991.92
#3	994.15	1010.	987.35	964.82	998.26	996.63
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Int. Std.	Sc1880	Sc3613	Sc3613-2
Units	Cts/S	Cts/S	Cts/S
Avg	1316.9	646000.	87825.
Stddev	2.8	2133.	1146.
%RSD	.21213	.33021	1.3048
#1	1319.4	648220.	88221.
#2	1317.3	645810.	88721.
#3	1313.9	643970.	86534.

Sample Name: SEQ-CCB Acquired: 4/28/2011 13:13:46 Type: QC
Method: DuoEnviroMethodNEW(v2185) Mode: CONC Corr. Factor: 1.000000
User: rburr Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	As1972	B_2496	Ba2335	Be3130	Ca3179
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppm
Avg	.06720	1.7667	.51278	1.2302	2.1269	.16160	.12511	.02862
Stddev	.13738	3.2832	.36706	.4231	.1539	.09361	.12192	.02503
%RSD	204.45	185.84	71.582	34.397	7.2375	57.925	97.449	87.453
#1	-.03047	-1.9722	.22717	.74218	2.2746	.26095	.00634	.00315
#2	.00777	4.1797	.38438	1.4953	2.1386	.14880	.24995	.05318
#3	.22429	3.0925	.92679	1.4530	1.9674	.07505	.11904	.02953
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Cd2144	Cd2288	Co2286	Cr2677	Cu2199	Cu3247	Fe2611	K_7664
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppm
Avg	.10953	-.07509	.04688	.12363	-.7549	-.99597	3.3443	-.02760
Stddev	.03443	.02740	.07999	.11352	.1082	.05056	2.3758	.00555
%RSD	31.436	36.492	170.64	91.820	14.33	5.0768	71.038	20.105
#1	.13422	-.09401	.12889	.25344	-.6449	-.95755	.69047	-.02626
#2	.12418	-.04367	.04267	.04294	-.7586	-1.0533	4.0696	-.02284
#3	.07020	-.08761	-.03093	.07451	-.8612	-.97712	5.2730	-.03369
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
Units	ppm	ppb	ppb	ppm	ppb	ppb	ppb	ppb
Avg	.01382	.09888	.72438	.01629	.70372	.07174	.15321	.91340
Stddev	.01029	.03652	.09968	.01532	.22360	.35110	.10941	.69674
%RSD	74.448	36.932	13.761	94.092	31.773	489.42	71.413	76.280
#1	.00233	.14095	.75854	-.00072	.67362	-.28941	.05856	.17791
#2	.02217	.07533	.61211	.02902	.94084	.09278	.27300	1.5635
#3	.01698	.08035	.80248	.02056	.49670	.41184	.12805	.99877
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: SEQ-CCB Acquired: 4/28/2011 13:13:46 Type: QC
Method: DuoEnviroMethodNEW(v2185) Mode: CONC Corr. Factor: 1.000000
User: rburr Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4215	Ti3349	Tl1908	V_2924	Zn2062
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.41483	.3586	.45925	-.43668	.22630	.01254
Stddev	.13535	.2977	.18286	.37162	.09631	.03997
%RSD	32.628	83.02	39.816	85.100	42.556	318.68
#1	.25937	.0765	.25292	-.85359	.33715	.04933
#2	.47865	.6698	.60125	-.31622	.16310	-.02999
#3	.50647	.3295	.52358	-.14024	.17867	.01829
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Sc1880	Sc3613	Sc3613-2
Units	Cts/S	Cts/S	Cts/S
Avg	1473.4	666400.	88036.
Stddev	1.5	3031.	86.
%RSD	.10103	.45485	.09796
#1	1472.6	664260.	87996.
#2	1475.1	665060.	87977.
#3	1472.5	669870.	88135.

Sample Name: 1D28003-BLK1 Acquired: 4/28/2011 13:20:35 Type: QC
Method: DuoEnviroMethodNEW(v2185) Mode: CONC Corr. Factor: 1.000000
User: rburr Custom ID1: Custom ID2: Custom ID3:
Comment: PBW042811 SOL.

Elem	Ag3280	Al3961	As1890	As1972	B_2496	Ba2335	Be3130	Ca3179
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppm
Avg	-.04730	3.7256	.31422	.80657	1.1224	.16822	.04679	.01737
Stddev	.14514	4.1452	.89554	.53308	.2335	.03956	.01133	.00279
%RSD	306.86	111.26	285.01	66.093	20.804	23.518	24.206	16.050
#1	.09298	.46812	1.2642	.19210	1.1824	.12846	.03644	.02013
#2	-.19685	8.3914	.19303	1.1454	1.3201	.20758	.05889	.01745
#3	-.03802	2.3172	-.51456	1.0822	.86476	.16861	.04504	.01455
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Cd2144	Cd2288	Co2286	Cr2677	Cu2199	Cu3247	Fe2611	K_7664
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppm
Avg	.03398	-.08793	.12237	.14432	-1.182	-.72703	.95730	-.01820
Stddev	.04781	.09854	.05169	.21094	.399	.10499	1.8646	.00689
%RSD	140.68	112.07	42.242	146.17	33.72	14.440	194.78	37.864
#1	.08874	-.16248	.17366	.01519	-.7559	-.83443	2.2427	-.01024
#2	.00049	-.12509	.07028	.38774	-1.244	-.62464	-1.1813	-.02210
#3	.01273	.02379	.12319	.03002	-1.545	-.72202	1.8105	-.02226
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
Units	ppm	ppb	ppb	ppm	ppb	ppb	ppb	ppb
Avg	.00515	.08992	.36138	.00993	.53556	.13722	.23746	-.30317
Stddev	.00692	.01634	.02342	.00419	.05245	.79053	.79938	.40123
%RSD	134.20	18.173	6.4820	42.164	9.7935	576.10	336.64	132.34
#1	-.00107	.07849	.38649	.00805	.50254	.56415	.53702	-.11201
#2	.01260	.10864	.35754	.01473	.59604	-.77498	-.66844	-.03327
#3	.00392	.08264	.34011	.00701	.50810	.62249	.84379	-.76424
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: 1D28003-BLK1 Acquired: 4/28/2011 13:20:35 Type: QC
Method: DuoEnviroMethodNEW(v2185) Mode: CONC Corr. Factor: 1.000000
User: rburr Custom ID1: Custom ID2: Custom ID3:
Comment: PBW042811 SOL.

Elem	Sn1899	Sr4215	Ti3349	Tl1908	V_2924	Zn2062
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.10759	.1915	.17450	-.01862	.27892	.02238
Stddev	.26249	.0522	.14027	.16758	.09708	.03949
%RSD	243.97	27.26	80.382	900.14	34.804	176.48
#1	.10841	.2486	.25584	.05726	.19083	.06403
#2	.36967	.1798	.01253	-.21072	.26293	-.01452
#3	-.15531	.1462	.25513	.09761	.38300	.01762
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Sc1880	Sc3613	Sc3613-2
Units	Cts/S	Cts/S	Cts/S
Avg	1509.7	679310.	90367.
Stddev	4.8	974.	304.
%RSD	.31884	.14337	.33651
#1	1514.4	678820.	90206.
#2	1510.0	678670.	90718.
#3	1504.8	680430.	90177.

Sample Name: 1D28003-BS1 Acquired: 4/28/2011 13:25:18 Type: QC
Method: DuoEnviroMethodNEW(v2185) Mode: CONC Corr. Factor: 1.000000
User: rburr Custom ID1: Custom ID2: Custom ID3:
Comment: LCSW042811 SOL.

Elem	Ag3280	Al3961	As1890	As1972	B_2496	Ba2335	Be3130	Ca3179
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppm
Avg	**248.85**	**1965.1**	**241.54**	**233.26**	**1000.3**	**1892.0**	**49.657**	**5.1165**
Stddev	2.30	4.6	1.90	2.29	4.9	10.7	.168	.0237
%RSD	.92281	.23427	.78464	.97969	.48885	.56574	.33855	.46237
#1	251.48	1962.6	239.68	231.78	1005.9	1883.6	49.564	5.0894
#2	247.83	1970.4	241.46	232.11	998.30	1888.4	49.851	5.1325
#3	247.24	1962.4	243.47	235.89	996.73	1904.1	49.556	5.1278
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Elem	Cd2144	Cd2288	Co2286	Cr2677	Cu2199	Cu3247	Fe2611	K_7664
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppm
Avg	**112.67**	**117.43**	**454.15**	**189.81**	**246.9**	240.10	**1020.1**	**4.7927**
Stddev	.85	.67	3.02	1.04	.6	1.57	4.1	.0083
%RSD	.75276	.57344	.66419	.54594	.2508	.65420	.39876	.17372
#1	111.90	116.94	451.26	191.01	247.6	241.92	1015.4	4.7948
#2	112.53	117.16	453.91	189.29	246.5	239.24	1022.9	4.7998
#3	113.58	118.20	457.28	189.14	246.6	239.15	1022.0	4.7835
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
Units	ppm	ppb	ppb	ppm	ppb	ppb	ppb	ppb
Avg	**4.5657**	**533.30**	**939.46**	**4.8242**	**477.73**	**238.97**	**233.17**	**237.40**
Stddev	.0201	3.27	6.42	.0215	2.54	1.90	2.77	2.16
%RSD	.43971	.61262	.68334	.44536	.53111	.79667	1.1882	.91015
#1	4.5483	536.94	934.92	4.8254	475.49	238.54	231.47	235.36
#2	4.5877	532.34	936.66	4.8451	477.23	237.32	231.68	237.17
#3	4.5611	530.62	946.81	4.8022	480.48	241.05	236.37	239.66
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Sample Name: 1D28003-BS1 Acquired: 4/28/2011 13:25:18 Type: QC
Method: DuoEnviroMethodNEW(v2185) Mode: CONC Corr. Factor: 1.000000
User: rburr Custom ID1: Custom ID2: Custom ID3:
Comment: LCSW042811 SOL.

Elem	Sn1899	Sr4215	Ti3349	Tl1908	V_2924	Zn2062
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**934.10**	**971.7**	**961.61**	**228.60**	**486.01**	**478.99**
Stddev	4.65	3.0	1.35	1.49	1.98	2.60
%RSD	.49729	.3058	.14057	.64988	.40832	.54319
#1	929.99	972.2	961.39	227.26	488.26	477.38
#2	933.16	974.4	963.06	228.35	485.25	477.59
#3	939.14	968.5	960.38	230.20	484.51	481.99
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Int. Std.	Sc1880	Sc3613	Sc3613-2
Units	Cts/S	Cts/S	Cts/S
Avg	1469.1	676880.	89825.
Stddev	7.5	4093.	304.
%RSD	.51149	.60467	.33842
#1	1475.9	672210.	90138.
#2	1470.4	678570.	89531.
#3	1461.0	679860.	89805.

Sample Name: 1104207-10 Acquired: 4/28/2011 13:59:11 Type: Unk
Method: DuoEnviroMethodNEW(v2185) Mode: CONC Corr. Factor: 1.000000
User: rburr Custom ID1: Custom ID2: Custom ID3:
Comment: SOL. TETRA

Elem	Ag3280	Al3961	As1890	As1972	B_2496	Ba2335	Be3130	Ca3179
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppm
Avg	**-.09148**	**7.1923**	**-.48584**	**.44361**	**.75984**	**.18415**	**-.02636**	**.04733**
Stddev	.16653	1.6195	.89327	2.0099	.35978	.03969	.01816	.00622
%RSD	182.05	22.517	183.86	453.09	47.350	21.551	68.893	13.141
#1	-.27277	8.9621	-.59807	1.5883	.66783	.14663	-.00680	.05058
#2	-.05637	6.8306	.45825	-1.8772	1.1567	.18013	-.02959	.05124
#3	.05470	5.7843	-1.3177	1.6197	.45499	.22570	-.04268	.04016

Elem	Cd2144	Cd2288	Co2286	Cr2677	Cu2199	Cu3247	Fe2611	K_7664
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppm
Avg	**.03444**	**-.22382**	**.10937**	**.00956**	**-1.073**	**-.79357**	**4.7098**	**-.01034**
Stddev	.00298	.12281	.15639	.11868	.415	.12074	.6316	.01051
%RSD	8.6469	54.867	142.99	1241.3	38.69	15.214	13.410	101.69
#1	.03620	-.35941	.12499	.04445	-1.336	-.81307	5.3732	-.01032
#2	.03612	-.12007	.25737	-.12265	-.5943	-.66427	4.6402	.00017
#3	.03100	-.19199	-.05424	.10689	-1.289	-.90337	4.1159	-.02085

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
Units	ppm	ppb	ppb	ppm	ppb	ppb	ppb	ppb
Avg	**-.00160**	**.12030**	**.10919**	**.00928**	**.66620**	**.43028**	**.23062**	**.75487**
Stddev	.00455	.01538	.08419	.00282	.06573	.39677	.47846	1.1652
%RSD	284.46	12.787	77.103	30.320	9.8669	92.211	207.47	154.36
#1	-.00250	.11545	.15047	.00765	.72900	.88844	-.24918	1.4603
#2	-.00563	.10792	.01233	.01254	.59788	.20080	.70773	-.59010
#3	.00333	.13752	.16477	.00767	.67171	.20162	.23330	1.3944

Elem	Sn1899	Sr4215	Ti3349	Tl1908	V_2924	Zn2062
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.24890**	**.1743**	**.09950**	**-.29368**	**.22163**	**1.7055**
Stddev	.24815	.0825	.23239	.56383	.09106	.0911
%RSD	99.700	47.36	233.57	191.99	41.088	5.3411
#1	.03181	.2688	.35114	-.49023	.12692	1.7863
#2	.51942	.1382	.05438	.34212	.22942	1.6068
#3	.19548	.1160	-.10703	-.73292	.30855	1.7235

Sample Name: 1104207-10 Acquired: 4/28/2011 13:59:11 Type: Unk
Method: DuoEnviroMethodNEW(v2185) Mode: CONC Corr. Factor: 1.000000
User: rburr Custom ID1: Custom ID2: Custom ID3:
Comment: SOL. TETRA

Int. Std.	Sc1880	Sc3613	Sc3613-2
Units	Cts/S	Cts/S	Cts/S
Avg	1480.4	654680.	89450.
Stddev	5.2	19497.	281.
%RSD	.35177	2.9781	.31391
#1	1479.6	666270.	89194.
#2	1486.0	632170.	89406.
#3	1475.7	665600.	89750.

Sample Name: SEQ-CCV Acquired: 4/28/2011 14:33:45 Type: QC
Method: DuoEnviroMethodNEW(v2185) Mode: CONC Corr. Factor: 1.000000
User: rburr Custom ID1: Custom ID2: Custom ID3:
Comment: 11D0674

Elem	Ag3280	Al3961	As1890	As1972	B_2496	Ba2335	Be3130	Ca3179
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppm
Avg	**498.17**	**9862.3**	**1015.8**	**997.25**	**1024.0**	**1000.1**	**1005.3**	**51.239**
Stddev	4.57	214.5	6.6	6.69	8.8	4.7	19.3	1.044
%RSD	.91790	2.1755	.65209	.67074	.85641	.46606	1.9195	2.0370
#1	494.17	9725.0	1008.4	991.66	1017.7	995.24	992.74	50.568
#2	497.19	9752.3	1021.1	1004.7	1020.3	1004.5	995.64	50.708
#3	503.15	10110.	1018.0	995.43	1034.0	1000.4	1027.5	52.442
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Elem	Cd2144	Cd2288	Co2286	Cr2677	Cu2199	Cu3247	Fe2611	K_7664
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppm
Avg	**938.38**	**974.62**	**969.71**	**962.81**	**996.4**	**987.38**	**10255.**	**9.9039**
Stddev	4.02	5.04	4.70	6.98	6.1	6.13	178.	.2269
%RSD	.42818	.51737	.48476	.72446	.6133	.62039	1.7355	2.2905
#1	934.37	969.48	965.28	956.80	991.2	983.89	10138.	9.7728
#2	942.40	979.56	974.64	961.16	994.9	983.80	10166.	9.7731
#3	938.38	974.80	969.22	970.46	1003.	994.45	10459.	10.166
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
Units	ppm	ppb	ppb	ppm	ppb	ppb	ppb	ppb
Avg	**48.358**	**1054.9**	**1001.5**	**50.437**	**992.40**	**975.68**	**985.46**	**1013.7**
Stddev	1.041	8.5	5.8	.993	5.53	4.57	5.42	8.2
%RSD	2.1518	.80424	.58001	1.9687	.55728	.46825	.55001	.80420
#1	47.697	1047.9	995.17	49.791	987.76	971.04	981.09	1006.0
#2	47.820	1052.4	1006.6	49.939	998.52	980.17	991.53	1022.2
#3	49.558	1064.3	1002.8	51.580	990.92	975.84	983.78	1012.9
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Sample Name: SEQ-CCV Acquired: 4/28/2011 14:33:45 Type: QC
Method: DuoEnviroMethodNEW(v2185) Mode: CONC Corr. Factor: 1.000000
User: rburr Custom ID1: Custom ID2: Custom ID3:
Comment: 11D0674

Elem	Sn1899	Sr4215	Ti3349	Tl1908	V_2924	Zn2062
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**993.14**	**993.0**	**970.97**	**967.11**	**989.05**	**999.57**
Stddev	6.15	18.3	19.61	3.31	7.16	4.54
%RSD	.61921	1.840	2.0199	.34207	.72435	.45380
#1	988.39	981.0	958.16	963.33	982.68	995.15
#2	1000.1	984.0	961.19	969.52	987.67	1004.2
#3	990.96	1014.	993.55	968.47	996.81	999.35
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Int. Std.	Sc1880	Sc3613	Sc3613-2
Units	Cts/S	Cts/S	Cts/S
Avg	1318.1	646100.	88255.
Stddev	6.7	4636.	1593.
%RSD	.50882	.71755	1.8049
#1	1324.5	649770.	89341.
#2	1311.1	647650.	88997.
#3	1318.6	640890.	86426.

Sample Name: SEQ-CCB Acquired: 4/28/2011 14:41:01 Type: QC
Method: DuoEnviroMethodNEW(v2185) Mode: CONC Corr. Factor: 1.000000
User: rburr Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	As1972	B_2496	Ba2335	Be3130	Ca3179
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppm
Avg	**.04605**	**4.3879**	**.51327**	**.03971**	**1.3107**	**.28549**	**.12475**	**.02328**
Stddev	.11959	1.7000	.65469	.67078	.2640	.01420	.02695	.00570
%RSD	259.70	38.743	127.55	1689.1	20.140	4.9732	21.604	24.482
#1	-.07481	2.6007	.99696	.79967	1.3035	.28076	.15554	.02902
#2	.16433	5.9847	.77458	-.46989	1.5781	.30144	.11331	.02321
#3	.04862	4.5784	-.23172	-.21064	1.0504	.27426	.10541	.01762
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Cd2144	Cd2288	Co2286	Cr2677	Cu2199	Cu3247	Fe2611	K_7664
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppm
Avg	**.14704**	**-.07775**	**.13903**	**.16506**	**-.3787**	**-.90503**	**4.1452**	**-.00743**
Stddev	.04256	.03246	.09346	.12356	.1209	.13616	1.3188	.00698
%RSD	28.943	41.743	67.222	74.857	31.93	15.045	31.815	93.950
#1	.15794	-.11421	.13547	.21869	-.3788	-.76470	4.9879	-.00034
#2	.18309	-.06702	.04740	.02375	-.4995	-.91379	4.8224	-.01430
#3	.10009	-.05202	.23422	.25273	-.2577	-1.0366	2.6254	-.00766
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
Units	ppm	ppb	ppb	ppm	ppb	ppb	ppb	ppb
Avg	**.01177**	**.57484**	**.58335**	**.02786**	**.75963**	**.22210**	**.05541**	**-.37582**
Stddev	.00158	.10769	.02395	.00868	.19295	.36860	.32737	.97191
%RSD	13.397	18.733	4.1061	31.174	25.400	165.96	590.84	258.61
#1	.01342	.55186	.61000	.03747	.53740	.64763	-.29105	.40448
#2	.01028	.48050	.56363	.02553	.85698	.00201	.35958	-.06744
#3	.01161	.69216	.57642	.02057	.88450	.01665	.09770	-1.4645
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: SEQ-CCB Acquired: 4/28/2011 14:41:01 Type: QC
Method: DuoEnviroMethodNEW(v2185) Mode: CONC Corr. Factor: 1.000000
User: rburr Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4215	Ti3349	Tl1908	V_2924	Zn2062
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.33350**	**.2257**	**.22877**	**-.32204**	**.29252**	**.10828**
Stddev	.08913	.0526	.17036	.63687	.11270	.00317
%RSD	26.725	23.32	74.468	197.76	38.529	2.9230
#1	.27754	.2806	.36164	-.42485	.42131	.10489
#2	.28667	.2208	.28796	-.90125	.24429	.11116
#3	.43628	.1757	.03671	.35998	.21195	.10880
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Sc1880	Sc3613	Sc3613-2
Units	Cts/S	Cts/S	Cts/S
Avg	1483.3	673120.	89380.
Stddev	9.3	2001.	316.
%RSD	.62531	.29730	.35337
#1	1490.3	673840.	89498.
#2	1486.9	674660.	89023.
#3	1472.8	670860.	89621.

Sample Name: SEQ-CCV Acquired: 4/28/2011 15:29:20 Type: QC
Method: DuoEnviroMethodNEW(v2185) Mode: CONC Corr. Factor: 1.000000
User: rburr Custom ID1: Custom ID2: Custom ID3:
Comment: 11D0674

Elem	Ag3280	Al3961	As1890	As1972	B_2496	Ba2335	Be3130	Ca3179
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppm
Avg	**487.23**	**9858.6**	**1008.4**	**1048.3**	**979.37**	**1022.5**	**1014.9**	**49.157**
Stddev	.74	34.3	7.8	10.1	.82	8.4	1.8	.133
%RSD	.15096	.34827	.76927	.96231	.08403	.81874	.17526	.26973
#1	486.44	9846.7	1001.4	1042.7	978.58	1017.0	1015.0	49.211
#2	487.35	9831.9	1007.0	1042.2	980.22	1018.3	1016.6	49.254
#3	487.90	9897.3	1016.7	1059.9	979.31	1032.1	1013.1	49.006
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Elem	Cd2144	Cd2288	Co2286	Cr2677	Cu2199	Cu3247	Fe2611	K_7664
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppm
Avg	**1025.0**	**987.98**	**1026.6**	**953.52**	**950.0**	**998.59**	**10425.**	**9.8138**
Stddev	14.1	8.85	12.4	1.49	2.8	2.53	34.	.0198
%RSD	1.3803	.89536	1.2097	.15626	.2997	.25335	.32252	.20214
#1	1017.3	981.79	1019.5	952.90	951.5	1000.6	10433.	9.8157
#2	1016.3	984.05	1019.4	955.22	951.7	995.75	10453.	9.7930
#3	1041.3	998.11	1040.9	952.45	946.7	999.44	10388.	9.8325
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
Units	ppm	ppb	ppb	ppm	ppb	ppb	ppb	ppb
Avg	**48.357**	**1027.4**	**1009.8**	**51.494**	**997.10**	**1009.1**	**1052.4**	**1029.8**
Stddev	.131	1.5	7.9	.180	8.91	11.5	14.3	7.7
%RSD	.27122	.14385	.78405	.34890	.89368	1.1384	1.3549	.74599
#1	48.344	1025.9	1003.3	51.686	990.32	1004.0	1044.8	1025.0
#2	48.494	1028.9	1007.5	51.330	993.79	1001.1	1043.5	1025.8
#3	48.233	1027.5	1018.7	51.467	1007.2	1022.3	1068.8	1038.7
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Sample Name: SEQ-CCV Acquired: 4/28/2011 15:29:20 Type: QC
Method: DuoEnviroMethodNEW(v2185) Mode: CONC Corr. Factor: 1.000000
User: rburr Custom ID1: Custom ID2: Custom ID3:
Comment: 11D0674

Elem	Sn1899	Sr4215	Ti3349	Tl1908	V_2924	Zn2062
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1010.5	988.2	970.12	1053.0	959.35	1021.7
Stddev	10.9	2.5	.90	15.1	2.63	8.7
%RSD	1.0791	.2521	.09272	1.4339	.27384	.85350
#1	1003.9	991.0	969.46	1047.4	958.78	1014.9
#2	1004.5	987.6	971.14	1041.6	962.22	1018.6
#3	1023.1	986.2	969.75	1070.2	957.06	1031.5
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Int. Std.	Sc1880	Sc3613	Sc3613-2
Units	Cts/S	Cts/S	Cts/S
Avg	1245.8	641380.	86741.
Stddev	12.5	518.	220.
%RSD	1.0067	.08076	.25368
#1	1253.1	641690.	86780.
#2	1253.1	641670.	86505.
#3	1231.4	640780.	86940.

Sample Name: SEQ-CCB Acquired: 4/28/2011 15:36:35 Type: QC
Method: DuoEnviroMethodNEW(v2185) Mode: CONC Corr. Factor: 1.000000
User: rburr Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	As1972	B_2496	Ba2335	Be3130
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.12080**	**-.33332**	**-.39561**	**1.8010**	**.92554**	**.12091**	**.08773**
Stddev	.12500	5.8423	.43789	.8457	.23890	.01340	.01194
%RSD	103.47	1752.8	110.69	46.959	25.813	11.084	13.607
#1	.01958	-3.4855	-.86992	2.1341	.95798	.11560	.07422
#2	-.16196	-3.9226	-.00675	.83944	1.1466	.13615	.09687
#3	-.22003	6.4081	-.31017	2.4295	.67207	.11097	.09209
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Ca3179	Cd2144	Cd2288	Co2286	Cr2677	Cu2199	Cu3247
Units	ppm	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.02198**	**.13843**	**-.19063**	**.09777**	**.08692**	**-.7287**	F **-1.5258**
Stddev	.00245	.00821	.02861	.05434	.09666	.4697	.0501
%RSD	11.158	5.9307	15.008	55.583	111.20	64.45	3.2823
#1	.02082	.14131	-.16842	.12326	.07371	-1.067	-1.5252
#2	.02480	.12917	-.18055	.13467	-.00244	-.9270	-1.5762
#3	.02033	.14481	-.22291	.03537	.18951	-.1925	-1.4761
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit							1.5000
Low Limit							-1.5000

Elem	Fe2611	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Units	ppb	ppm	ppm	ppb	ppb	ppm	ppb
Avg	**3.0047**	**-.02947**	**.00607**	**.19454**	**.59272**	**.01075**	**1.5778**
Stddev	1.0344	.00208	.00240	.05326	.07537	.00466	.2322
%RSD	34.426	7.0422	39.569	27.377	12.717	43.356	14.717
#1	4.1522	-.03021	.00598	.19482	.67849	.01609	1.3180
#2	2.1440	-.03107	.00371	.14114	.53705	.00747	1.7651
#3	2.7178	-.02712	.00851	.24766	.56262	.00869	1.6505
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: SEQ-CCB Acquired: 4/28/2011 15:36:35 Type: QC
Method: DuoEnviroMethodNEW(v2185) Mode: CONC Corr. Factor: 1.000000
User: rburr Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Pb2203	Sb2068	Se1960	Sn1899	Sr4215	Ti3349	Tl1908
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.12409**	**-.34677**	**.11526**	**.32187**	**.1473**	**.18287**	**-.43667**
Stddev	.28204	.20408	1.1331	.06064	.0270	.17284	.16205
%RSD	227.29	58.852	983.07	18.839	18.35	94.517	37.111
#1	-.11108	-.23008	-1.1660	.26210	.1250	.32347	-.44262
#2	.15122	-.22782	.52628	.38334	.1774	-.01010	-.59566
#3	-.41240	-.58243	.98547	.32018	.1395	.23523	-.27172
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	V_2924	Zn2062
Units	ppb	ppb
Avg	**.13325**	**.02925**
Stddev	.15260	.06162
%RSD	114.52	210.66
#1	.27888	.00774
#2	-.02548	.09874
#3	.14634	-.01873
Check ?	Chk Pass	Chk Pass
High Limit		
Low Limit		

Int. Std.	Sc1880	Sc3613	Sc3613-2
Units	Cts/S	Cts/S	Cts/S
Avg	1399.0	659250.	87084.
Stddev	9.1	1257.	158.
%RSD	.64955	.19062	.18090
#1	1395.2	658870.	86960.
#2	1409.4	660660.	87030.
#3	1392.4	658240.	87261.

Sample Name: 1104207-01 Acquired: 4/28/2011 16:08:39 Type: Unk
Method: DuoEnviroMethodNEW(v2185) Mode: CONC Corr. Factor: 1.000000
User: rburr Custom ID1: Custom ID2: Custom ID3:
Comment: TETRA

Elem	Ag3280	Al3961	As1890	As1972	B_2496	Ba2335	Be3130	Ca3179
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppm
Avg	**-.37085**	**292.23**	**2.7559**	**2.0062**	**164.74**	**129.01**	**.01296**	**109.63**
Stddev	.24450	4.16	.3614	.5970	1.37	.38	.02012	.61
%RSD	65.928	1.4226	13.112	29.759	.82994	.29836	155.19	.55193
#1	-.09926	294.57	2.7048	2.1490	166.25	128.57	.00488	110.31
#2	-.57340	294.68	3.1400	1.3508	163.57	129.28	.03586	109.41
#3	-.43990	287.43	2.4228	2.5189	164.41	129.18	-.00186	109.16

Elem	Cd2144	Cd2288	Co2286	Cr2677	Cu2199	Cu3247	Fe2611	K_7664
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppm
Avg	**.06644**	**.16217**	**1.5023**	**.53531**	**-.9258**	**-.37943**	**15083.**	**12.065**
Stddev	.03314	.04555	.1589	.04926	.7700	.08897	39.	.073
%RSD	49.873	28.086	10.578	9.2015	83.17	23.449	.26042	.60275
#1	.03889	.20774	1.3237	.58719	-.5481	-.28046	15095.	12.018
#2	.05723	.11664	1.6281	.48918	-.4175	-.45278	15039.	12.029
#3	.10321	.16213	1.5550	.52956	-1.812	-.40506	15114.	12.149

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
Units	ppm	ppb	ppb	ppm	ppb	ppb	ppb	ppb
Avg	**7.2623**	**734.49**	**.60583**	**14.405**	**2.1322**	**-.15948**	**-.28944**	**.69560**
Stddev	.0119	4.43	.04167	.140	.1276	.61283	.25816	1.5881
%RSD	.16349	.60280	6.8778	.96998	5.9841	384.27	89.191	228.30
#1	7.2756	739.52	.56819	14.329	2.0039	.53908	-.58011	2.0726
#2	7.2582	731.18	.59869	14.320	2.2591	-.41091	-.08684	-1.0417
#3	7.2530	732.78	.65060	14.567	2.1335	-.60661	-.20138	1.0559

Elem	Sn1899	Sr4215	Ti3349	Tl1908	V_2924	Zn2062
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.39521**	**586.7**	**3.0652**	**.47476**	**.46026**	**2.7403**
Stddev	.30050	2.0	.1182	.65254	.10368	.0629
%RSD	76.037	.3445	3.8572	137.45	22.527	2.2945
#1	-.60806	586.4	2.9361	1.1139	.36584	2.7721
#2	-.52610	584.8	3.0910	.50085	.44373	2.7810
#3	-.05146	588.8	3.1683	-.19044	.57122	2.6679

Sample Name: 1104207-01 Acquired: 4/28/2011 16:08:39 Type: Unk
Method: DuoEnviroMethodNEW(v2185) Mode: CONC Corr. Factor: 1.000000
User: rburr Custom ID1: Custom ID2: Custom ID3:
Comment: TETRA

Int. Std.	Sc1880	Sc3613	Sc3613-2
Units	Cts/S	Cts/S	Cts/S
Avg	1317.6	645380.	87639.
Stddev	5.6	4267.	153.
%RSD	.42233	.66108	.17418
#1	1321.9	640810.	87505.
#2	1311.3	649250.	87606.
#3	1319.7	646090.	87805.

Sample Name: 1104207-02 Acquired: 4/28/2011 16:13:21 Type: Unk
Method: DuoEnviroMethodNEW(v2185) Mode: CONC Corr. Factor: 1.000000
User: rburr Custom ID1: Custom ID2: Custom ID3:
Comment: TETRA

Elem	Ag3280	Al3961	As1890	As1972	B_2496	Ba2335	Be3130	Ca3179
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppm
Avg	**-.35325**	**334.55**	**3.1968**	**2.9209**	**157.93**	**123.73**	**-.00749**	**102.98**
Stddev	.12449	5.57	.9449	1.6175	4.59	.69	.00855	1.08
%RSD	35.242	1.6636	29.558	55.376	2.9046	.55866	114.22	1.0475
#1	-.25002	340.86	2.5695	4.7559	156.48	123.28	-.00041	103.85
#2	-.49150	332.47	2.7373	1.7019	154.24	123.38	-.01699	103.32
#3	-.31822	330.33	4.2836	2.3049	163.06	124.52	-.00506	101.78

Elem	Cd2144	Cd2288	Co2286	Cr2677	Cu2199	Cu3247	Fe2611	K_7664
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppm
Avg	**.08351**	**.13050**	**1.5953**	**.56898**	**-1.117**	**-.39666**	**13745.**	**11.671**
Stddev	.05325	.18268	.0514	.06970	.952	.04898	215.	.204
%RSD	63.759	139.98	3.2243	12.250	85.21	12.349	1.5611	1.7438
#1	.02304	.11108	1.5365	.54234	-1.718	-.35693	13915.	11.800
#2	.12336	.32212	1.6318	.51653	-1.613	-.45139	13817.	11.777
#3	.10414	-.04169	1.6178	.64808	-.0196	-.38166	13504.	11.436

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
Units	ppm	ppb	ppb	ppm	ppb	ppb	ppb	ppb
Avg	**6.8391**	**703.26**	**.64137**	**13.638**	**1.8050**	**.07559**	**.34460**	**-.01047**
Stddev	.1082	22.85	.18565	.247	.2346	.80281	.29627	.79061
%RSD	1.5826	3.2494	28.945	1.8099	12.994	1062.1	85.976	7547.8
#1	6.9224	699.52	.81315	13.818	1.6817	-.66748	.46311	.83833
#2	6.8782	682.51	.66655	13.741	1.6578	.92712	.00742	-.72592
#3	6.7168	727.75	.44442	13.357	2.0755	-.03288	.56328	-.14383

Elem	Sn1899	Sr4215	Ti3349	Tl1908	V_2924	Zn2062
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.09266**	**544.9**	**3.7338**	**-.31506**	**.44109**	**1.9917**
Stddev	.20098	8.4	.0858	.71941	.14317	.0875
%RSD	216.90	1.545	2.2980	228.34	32.458	4.3927
#1	-.14517	551.9	3.7013	.10384	.30924	1.8911
#2	-.26218	547.2	3.8311	.09673	.42064	2.0331
#3	.12937	535.6	3.6690	-1.1458	.59339	2.0507

Sample Name: 1104207-02 Acquired: 4/28/2011 16:13:21 Type: Unk
Method: DuoEnviroMethodNEW(v2185) Mode: CONC Corr. Factor: 1.000000
User: rburr Custom ID1: Custom ID2: Custom ID3:
Comment: TETRA

Int. Std.	Sc1880	Sc3613	Sc3613-2
Units	Cts/S	Cts/S	Cts/S
Avg	1332.2	647500.	89955.
Stddev	7.2	21424.	1192.
%RSD	.54094	3.3087	1.3249
#1	1335.4	652890.	88983.
#2	1337.2	665710.	89598.
#3	1323.9	623890.	91285.

Sample Name: SEQ-CCV Acquired: 4/28/2011 16:19:04 Type: QC
Method: DuoEnviroMethodNEW(v2185) Mode: CONC Corr. Factor: 1.000000
User: rburr Custom ID1: Custom ID2: Custom ID3:
Comment: 11D0674

Elem	Ag3280	Al3961	As1890	As1972	B_2496	Ba2335	Be3130	Ca3179
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppm
Avg	**491.30**	**10061.**	**1013.9**	**1007.9**	**1021.5**	**1005.6**	**1035.3**	**51.979**
Stddev	3.25	288.	6.9	6.8	8.4	6.2	24.6	1.214
%RSD	.66065	2.8639	.68328	.67155	.82362	.61584	2.3716	2.3357
#1	487.76	10393.	1009.3	1004.3	1014.6	1003.3	1063.6	53.381
#2	494.13	9887.5	1010.5	1003.8	1030.8	1000.8	1022.5	51.254
#3	492.00	9901.6	1021.9	1015.7	1019.0	1012.6	1019.8	51.303
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Elem	Cd2144	Cd2288	Co2286	Cr2677	Cu2199	Cu3247	Fe2611	K_7664
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppm
Avg	**952.55**	**978.77**	**981.28**	**976.81**	**990.8**	**994.75**	**10598.**	**10.109**
Stddev	6.77	4.21	5.68	5.37	4.8	5.79	214.	.264
%RSD	.71115	.43008	.57851	.54929	.4865	.58215	2.0214	2.6162
#1	949.67	976.17	979.27	974.37	987.0	989.27	10845.	10.414
#2	947.68	976.52	976.88	982.97	996.2	1000.8	10487.	9.9656
#3	960.28	983.63	987.69	973.11	989.2	994.18	10462.	9.9466
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
Units	ppm	ppb	ppb	ppm	ppb	ppb	ppb	ppb
Avg	**49.376**	**1055.3**	**1003.1**	**52.017**	**990.75**	**981.19**	**997.57**	**1018.1**
Stddev	1.138	5.2	6.8	1.296	5.24	6.51	9.04	6.3
%RSD	2.3038	.49469	.67394	2.4910	.52932	.66335	.90650	.61608
#1	50.689	1050.6	1000.1	53.513	989.02	976.33	991.96	1013.8
#2	48.726	1060.9	998.34	51.255	986.58	978.67	992.75	1015.2
#3	48.712	1054.2	1010.8	51.283	996.64	988.59	1008.0	1025.3
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Sample Name: SEQ-CCV Acquired: 4/28/2011 16:19:04 Type: QC
Method: DuoEnviroMethodNEW(v2185) Mode: CONC Corr. Factor: 1.000000
User: rburr Custom ID1: Custom ID2: Custom ID3:
Comment: 11D0674

Elem	Sn1899	Sr4215	Ti3349	Tl1908	V_2924	Zn2062
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**999.20**	**1023.**	**997.16**	**981.76**	**997.93**	**1001.5**
Stddev	5.48	26.	24.57	6.95	3.98	5.3
%RSD	.54810	2.507	2.4635	.70773	.39911	.52434
#1	994.89	1052.	1025.5	979.25	995.58	1000.5
#2	997.36	1009.	984.57	976.42	1002.5	996.79
#3	1005.4	1008.	981.43	989.62	995.67	1007.2
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Int. Std.	Sc1880	Sc3613	Sc3613-2
Units	Cts/S	Cts/S	Cts/S
Avg	1301.7	642710.	86422.
Stddev	9.3	3167.	1783.
%RSD	.71276	.49273	2.0625
#1	1307.1	645900.	84364.
#2	1307.1	639560.	87481.
#3	1291.0	642690.	87421.

Sample Name: SEQ-CCB Acquired: 4/28/2011 16:26:20 Type: QC
Method: DuoEnviroMethodNEW(v2185) Mode: CONC Corr. Factor: 1.000000
User: rburr Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	As1972	B_2496	Ba2335	Be3130	Ca3179
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppm
Avg	**-.12185**	**2.7050**	**-.18610**	**.82971**	**1.3941**	**.10658**	**.13707**	**.03274**
Stddev	.19049	1.1154	.67488	1.6720	.2185	.04144	.10602	.01853
%RSD	156.33	41.234	362.65	201.51	15.671	38.878	77.351	56.617
#1	-.12758	3.9854	-.72510	2.7599	1.4184	.06066	.03566	.01375
#2	.07144	2.1845	.57081	-.17137	1.1645	.14118	.12836	.03368
#3	-.30941	1.9449	-.40399	-.09939	1.5994	.11791	.24717	.05078
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Cd2144	Cd2288	Co2286	Cr2677	Cu2199	Cu3247	Fe2611	K_7664
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppm
Avg	**.09647**	**-.07087**	**.12431**	**-.03061**	**-1.163**	**-.88553**	**7.6045**	**-.00112**
Stddev	.03873	.06408	.05943	.07103	.412	.10840	4.1821	.00468
%RSD	40.150	90.411	47.811	232.04	35.43	12.241	54.995	417.43
#1	.07944	-.04647	.16509	.05067	-.7711	-.85877	3.5165	.00342
#2	.06917	-.02258	.05612	-.08079	-1.593	-.79302	7.4222	-.00085
#3	.14080	-.14356	.15172	-.06172	-1.125	-1.0048	11.875	-.00593
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
Units	ppm	ppb	ppb	ppm	ppb	ppb	ppb	ppb
Avg	**.00865**	**.14787**	**.57306**	**.00942**	**.64177**	**.16458**	**.15876**	**-.87288**
Stddev	.00521	.08048	.01059	.01016	.09490	.18546	.57822	.22668
%RSD	60.301	54.427	1.8484	107.81	14.787	112.69	364.22	25.969
#1	.00741	.24064	.56633	-.00120	.73833	.36057	.15213	-.63540
#2	.01437	.09669	.56759	.01042	.54862	.14131	-.41612	-1.0869
#3	.00416	.10628	.58527	.01905	.63836	-.00815	.74026	-.89630
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: SEQ-CCB Acquired: 4/28/2011 16:26:20 Type: QC
Method: DuoEnviroMethodNEW(v2185) Mode: CONC Corr. Factor: 1.000000
User: rburr Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4215	Ti3349	Tl1908	V_2924	Zn2062
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.11013	.2889	.30012	-.18257	.20733	.02123
Stddev	.04154	.1373	.21148	.76407	.10367	.08243
%RSD	37.723	47.54	70.465	418.51	50.002	388.30
#1	.08202	.1512	.18225	-.76452	.09455	.09427
#2	.09051	.2896	.17383	.68269	.22897	-.06814
#3	.15785	.4258	.54426	-.46587	.29847	.03756
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Sc1880	Sc3613	Sc3613-2
Units	Cts/S	Cts/S	Cts/S
Avg	1464.2	672150.	89593.
Stddev	4.0	6724.	135.
%RSD	.27180	1.0004	.15025
#1	1468.5	664990.	89715.
#2	1463.2	673120.	89448.
#3	1460.8	678330.	89617.

Sample Name: SEQ-CAL1 Acquired: 5/3/2011 10:06:56 Type: Cal
Method: DuoEnviroMethodNEW(v2191) Mode: IR Corr. Factor: 1.000000
User: rburr Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	As1972	B_2496	Ba2335	Be3130
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.00004**	**-.00040**	**-.00111**	**.00196**	**.00001**	**.00517**	**.00010**
Stddev	.00000	.00007	.00002	.00010	.00000	.00098	.00006
%RSD	9.0523	18.467	1.7807	4.9534	7.8145	18.890	57.594
#1	.00004	-.00048	-.00110	.00197	.00001	.00538	.00007
#2	.00004	-.00033	-.00113	.00186	.00001	.00410	.00016
#3	.00003	-.00040	-.00109	.00206	.00001	.00602	.00006

Elem	Ca3179	Cd2144	Cd2288	Co2286	Cr2677	Cu2199	Cu3247
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.00043**	**.00440**	**.03957**	**.00463**	**-.00001**	**.0000**	**.00042**
Stddev	.00003	.00029	.00041	.00020	.00000	.000	.00001
%RSD	6.8595	6.6130	1.0376	4.4076	29.747	174.5	1.9308
#1	.00040	.00427	.03963	.00474	-.00001	.0000	.00042
#2	.00042	.00474	.03914	.00440	-.00001	.0000	.00041
#3	.00046	.00421	.03995	.00476	-.00001	.0000	.00043

Elem	Fe2611	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.00002**	**-.00182**	**.00000**	**.00001**	**.00105**	**.00244**	**.00758**
Stddev	.00001	.00010	.0000	.00000	.00023	.00052	.00032
%RSD	34.296	5.2574	165.01	28.879	21.682	21.147	4.2689
#1	.00002	-.00191	.00000	.00001	.00085	.00300	.00795
#2	.00001	-.00172	.00000	.00001	.00100	.00200	.00746
#3	.00002	-.00183	-.00001	.00001	.00130	.00231	.00733

Elem	Pb2203	Sb2068	Se1960	Sn1899	Sr4215	Ti3349	Tl1908
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.00074**	**-.00117**	**.00147**	**-.00020**	**-.0004**	**.00034**	**-.00140**
Stddev	.00066	.00028	.00030	.00040	.0001	.00007	.00052
%RSD	89.898	23.852	20.269	198.04	15.58	19.970	36.905
#1	.00012	-.00147	.00180	-.00009	-.0004	.00035	-.00185
#2	.00144	-.00114	.00122	.00013	-.0003	.00026	-.00084
#3	.00065	-.00091	.00139	-.00064	-.0003	.00040	-.00152

Sample Name: SEQ-CAL1 Acquired: 5/3/2011 10:06:56 Type: Cal
Method: DuoEnviroMethodNEW(v2191) Mode: IR Corr. Factor: 1.000000
User: rburr Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	V_2924	Zn2062
Units	Cts/S	Cts/S
Avg	**.00006**	**-.00030**
Stddev	.00001	.00028
%RSD	9.6917	90.960
#1	.00006	-.00031
#2	.00005	-.00002
#3	.00006	-.00058

Int. Std.	Sc1880	Sc3613	Sc3613-2
Units	Cts/S	Cts/S	Cts/S
Avg	1748.2	717450.	87284.
Stddev	11.3	6947.	231.
%RSD	.64425	.96822	.26506
#1	1754.6	723300.	87031.
#2	1754.8	719270.	87485.
#3	1735.2	709770.	87335.

Sample Name: SEQ-CAL2 Acquired: 5/3/2011 10:12:06 Type: Cal
Method: DuoEnviroMethodNEW(v2191) Mode: IR Corr. Factor: 1.000000
User: rburr Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	As1972	B_2496	Ba2335	Be3130	Ca3179
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.00117**	**.09831**	**.03616**	**.03243**	**.00073**	**.63458**	**.29224**	**.05085**
Stddev	.00000	.00023	.00040	.00039	.00000	.00136	.00286	.00030
%RSD	.25033	.23845	1.0977	1.1985	.29288	.21426	.97919	.58267
#1	.00117	.09846	.03643	.03253	.00074	.63606	.29441	.05109
#2	.00117	.09843	.03634	.03276	.00073	.63427	.29331	.05093
#3	.00117	.09804	.03570	.03200	.00073	.63339	.28900	.05052

Elem	Cd2144	Cd2288	Co2286	Cr2677	Cu2199	Cu3247	Fe2611	K_7664
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1.3187**	**1.0085**	**.60362**	**.00389**	**.0002**	**.00864**	**.07322**	**.00847**
Stddev	.0045	.0077	.00356	.00001	.0000	.00006	.00081	.00011
%RSD	.33908	.76220	.59032	.30576	.3677	.65708	1.1015	1.3528
#1	1.3206	1.0164	.60728	.00389	.0002	.00866	.07369	.00858
#2	1.3220	1.0082	.60343	.00390	.0002	.00868	.07368	.00835
#3	1.3136	1.0010	.60016	.00388	.0002	.00857	.07229	.00849

Elem	Mn2576	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Sn1899	Sr4215
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.02613**	**.43994**	**.36839**	**.14073**	**.07414**	**.04658**	**.06731**	**.1704**
Stddev	.00009	.00194	.00215	.00040	.00044	.00024	.00042	.0012
%RSD	.34651	.43986	.58423	.28772	.59596	.50872	.62402	.6784
#1	.02622	.44155	.36991	.14074	.07407	.04633	.06768	.1716
#2	.02611	.44048	.36933	.14112	.07462	.04661	.06685	.1704
#3	.02604	.43780	.36593	.14031	.07374	.04680	.06738	.1693

Elem	Ti3349	Tl1908	V_2924	Zn2062
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.02276**	**.08057**	**.00481**	**.57022**
Stddev	.00023	.00072	.00001	.00214
%RSD	1.0171	.89656	.10602	.37496
#1	.02288	.08139	.00481	.57119
#2	.02290	.08028	.00481	.57170
#3	.02249	.08003	.00480	.56777

Sample Name: SEQ-CAL2 Acquired: 5/3/2011 10:12:06 Type: Cal
Method: DuoEnviroMethodNEW(v2191) Mode: IR Corr. Factor: 1.000000
User: rburr Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Sc1880	Sc3613	Sc3613-2
Units	Cts/S	Cts/S	Cts/S
Avg	1709.6	720390.	87295.
Stddev	6.2	2197.	601.
%RSD	.36402	.30499	.68858
#1	1705.3	717890.	86822.
#2	1706.8	721310.	87092.
#3	1716.8	721990.	87971.

Sample Name: SEQ-CAL3 Acquired: 5/3/2011 10:17:08 Type: Cal
Method: DuoEnviroMethodNEW(v2191) Mode: IR Corr. Factor: 1.000000
User: rburr Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	As1972	B_2496	Ba2335	Be3130	Ca3179
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.02743**	**.20347**	**.39477**	**.32930**	**.01512**	**12.927**	**2.9112**	**2.2954**
Stddev	.00044	.00070	.00293	.00140	.00027	.073	.0172	.0147
%RSD	1.5964	.34408	.74233	.42515	1.7906	.56775	.59112	.64213
#1	.02785	.20395	.39302	.32879	.01540	12.915	2.9279	2.3099
#2	.02745	.20267	.39313	.32823	.01509	12.860	2.8935	2.2804
#3	.02698	.20379	.39815	.33089	.01486	13.005	2.9123	2.2960

Elem	Cd2144	Cd2288	Co2286	Cr2677	Cu2199	Cu3247	Fe2611	K_7664
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**13.174**	**10.166**	**6.0033**	**.03675**	**.0022**	**.08052**	**.13864**	**.10789**
Stddev	.091	.067	.0378	.00052	.0000	.00142	.00100	.00037
%RSD	.69015	.66282	.62904	1.4123	1.160	1.7589	.71970	.34298
#1	13.184	10.147	6.0027	.03729	.0022	.08193	.13967	.10771
#2	13.078	10.109	5.9658	.03669	.0021	.08052	.13768	.10765
#3	13.259	10.240	6.0413	.03626	.0021	.07910	.13857	.10832

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.08507**	**.25009**	**4.5923**	**2.1936**	**3.6423**	**1.3915**	**.78083**	**.47595**
Stddev	.00053	.00373	.0362	.0082	.0236	.0075	.00312	.00249
%RSD	.62106	1.4916	.78913	.37401	.64671	.53616	.39980	.52301
#1	.08547	.25394	4.5751	2.2001	3.6380	1.3907	.78019	.47516
#2	.08447	.24982	4.5678	2.1844	3.6212	1.3844	.77808	.47395
#3	.08526	.24650	4.6339	2.1963	3.6677	1.3993	.78422	.47874

Elem	Sn1899	Sr4215	Ti3349	Tl1908	V_2924	Zn2062
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1.3716**	**1.700**	**.22149**	**.78807**	**.04583**	**5.8636**
Stddev	.0108	.010	.00130	.00368	.00071	.0419
%RSD	.78837	.6037	.58653	.46685	1.5439	.71472
#1	1.3722	1.711	.22284	.78898	.04656	5.8634
#2	1.3605	1.691	.22024	.78402	.04577	5.8217
#3	1.3821	1.697	.22140	.79121	.04515	5.9056

Sample Name: SEQ-CAL3 Acquired: 5/3/2011 10:17:08 Type: Cal
Method: DuoEnviroMethodNEW(v2191) Mode: IR Corr. Factor: 1.000000
User: rburr Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Sc1880	Sc3613	Sc3613-2
Units	Cts/S	Cts/S	Cts/S
Avg	1556.3	702750.	86610.
Stddev	8.5	8972.	485.
%RSD	.54391	1.2767	.56012
#1	1558.0	693530.	86217.
#2	1563.7	703270.	87152.
#3	1547.1	711450.	86459.

Sample Name: SEQ-CAL4 Acquired: 5/3/2011 10:21:59 Type: Cal
Method: DuoEnviroMethodNEW(v2191) Mode: IR Corr. Factor: 1.000000
User: rburr Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Ba2335	Mn2576
Units	Cts/S	Cts/S	Cts/S
Avg	**.11459**	**63.481**	**2.4067**
Stddev	.00017	.041	.0034
%RSD	.14496	.06467	.13993
#1	.11457	63.526	2.4081
#2	.11477	63.445	2.4092
#3	.11444	63.473	2.4029

Int. Std.	Sc1880	Sc3613
Units	Cts/S	Cts/S
Avg	1748.0	720490.
Stddev	1.6	951.
%RSD	.09087	.13193
#1	1746.7	720360.
#2	1749.7	719600.
#3	1747.5	721490.

Sample Name: SEQ-CAL5 Acquired: 5/3/2011 10:27:24 Type: Cal
Method: DuoEnviroMethodNEW(v2191) Mode: IR Corr. Factor: 1.000000
User: rburr Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	Fe2611	Mg2790
Units	Cts/S	Cts/S	Cts/S
Avg	**10.246**	**6.6419**	**.91426**
Stddev	.106	.0515	.00648
%RSD	1.0311	.77606	.70831
#1	10.144	6.5971	.90713
#2	10.355	6.6305	.91587
#3	10.239	6.6983	.91978

Int. Std.	Sc3613-2
Units	Cts/S
Avg	84031.
Stddev	503.
%RSD	.59897
#1	84609.
#2	83803.
#3	83683.

Sample Name: SEQ-CAL6 Acquired: 5/3/2011 10:32:51 Type: Cal
Method: DuoEnviroMethodNEW(v2191) Mode: IR Corr. Factor: 1.000000
User: rburr Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	As1972	B_2496	Be3130	Cd2144	Cd2288	Co2286	Cr2677
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**3.8812**	**3.2411**	**.07588**	**27.651**	**124.18**	**95.454**	**60.784**	**.37981**
Stddev	.0095	.0152	.00027	.101	.75	.185	.317	.00121
%RSD	.24420	.46897	.35511	.36563	.60586	.19408	.52212	.31748
#1	3.8705	3.2236	.07567	27.757	123.40	95.258	60.426	.37968
#2	3.8885	3.2508	.07579	27.639	124.90	95.477	61.029	.37867
#3	3.8846	3.2490	.07618	27.556	124.24	95.626	60.897	.38108

Elem	Cu2199	Cu3247	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Sn1899
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.0223**	**.80966**	**45.556**	**36.464**	**14.127**	**7.7715**	**4.6580**	**6.8742**
Stddev	.0001	.00733	.153	.108	.044	.0320	.0124	.0248
%RSD	.6534	.90540	.33660	.29751	.30805	.41158	.26647	.36139
#1	.0223	.80471	45.381	36.338	14.078	7.7349	4.6437	6.8458
#2	.0221	.80620	45.623	36.525	14.160	7.7942	4.6653	6.8918
#3	.0224	.81808	45.665	36.528	14.144	7.7854	4.6651	6.8851

Elem	Sr4215	Ti3349	Tl1908	V_2924	Zn2062
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**16.71**	**2.2410**	**7.9588**	**.46823**	**57.569**
Stddev	.19	.0052	.0446	.00107	.260
%RSD	1.151	.23266	.56001	.22930	.45190
#1	16.59	2.2444	7.9080	.46699	57.277
#2	16.61	2.2435	7.9910	.46889	57.776
#3	16.94	2.2349	7.9775	.46881	57.653

Int. Std.	Sc1880	Sc3613	Sc3613-2
Units	Cts/S	Cts/S	Cts/S
Avg	1591.8	706240.	87845.
Stddev	6.8	3007.	348.
%RSD	.42623	.42577	.39582
#1	1599.4	706740.	87448.
#2	1586.4	708960.	87994.
#3	1589.5	703010.	88093.

Sample Name: SEQ-ICV Acquired: 5/3/2011 11:16:46 Type: QC
Method: DuoEnviroMethodNEW(v2195) Mode: CONC Corr. Factor: 1.000000
User: rburr Custom ID1: Custom ID2: Custom ID3:
Comment: 11E0018

Elem	Ag3280	Al3961	As1890	As1972	B_2496	Ba2335	Be3130
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**496.10**	**9799.9**	**1027.8**	**1022.6**	F **1060.1**	**1035.6**	**1038.9**
Stddev	3.91	26.3	4.0	1.2	3.8	3.1	2.3
%RSD	.78798	.26835	.38615	.11786	.36183	.29566	.22281
#1	500.48	9769.7	1027.6	1023.4	1063.3	1035.8	1036.8
#2	494.84	9812.1	1024.0	1023.1	1061.2	1032.4	1038.6
#3	492.97	9817.8	1031.9	1021.2	1055.8	1038.5	1041.4
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
Value					1000.0		
Range					±50.000		

Elem	Ca3179	Cd2144	Cd2288	Co2286	Cr2677	Cu2199	Cu3247
Units	ppm	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**51.973**	F **1073.8**	F **1080.1**	**998.90**	**978.38**	**1014.**	**1002.9**
Stddev	.125	1.7	5.0	2.67	2.47	1.	3.0
%RSD	.23975	.15635	.46680	.26777	.25223	.1041	.30068
#1	51.999	1073.4	1080.9	1000.2	975.70	1016.	1006.3
#2	51.837	1072.3	1074.7	995.82	980.55	1013.	1001.1
#3	52.082	1075.6	1084.7	1000.7	978.90	1014.	1001.2
Check ?	Chk Pass	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value		1000.0	1000.0				
Range		±50.000	±50.000				

Elem	Fe2611	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Units	ppb	ppm	ppm	ppb	ppb	ppm	ppb
Avg	**10381.**	F **9.0583**	**48.609**	F **1064.3**	**1035.5**	**50.510**	**1000.8**
Stddev	22.	.0300	.050	3.0	4.9	.224	4.4
%RSD	.21576	.33072	.10231	.28197	.47298	.44417	.43707
#1	10379.	9.0249	48.578	1067.1	1033.1	50.253	1000.3
#2	10360.	9.0671	48.582	1064.7	1032.3	50.616	996.63
#3	10405.	9.0829	48.666	1061.1	1041.1	50.662	1005.3
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value		10.000		1000.0			
Range		±-.50000		±50.000			

Sample Name: SEQ-ICV Acquired: 5/3/2011 11:16:46 Type: QC
Method: DuoEnviroMethodNEW(v2195) Mode: CONC Corr. Factor: 1.000000
User: rburr Custom ID1: Custom ID2: Custom ID3:
Comment: 11E0018

Elem	Pb2203	Sb2068	Se1960	Sn1899	Sr4215	Ti3349	Tl1908
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**988.79**	**1008.4**	**1014.0**	**1003.6**	**1019.**	**1000.2**	**970.69**
Stddev	2.16	3.1	4.5	3.4	3.	2.1	4.62
%RSD	.21865	.30497	.44622	.33419	.2644	.21410	.47617
#1	989.72	1010.0	1014.3	1003.6	1017.	998.26	974.33
#2	986.32	1004.9	1009.3	1000.3	1019.	999.78	965.49
#3	990.33	1010.3	1018.3	1007.0	1022.	1002.5	972.24
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	V_2924	Zn2062
Units	ppb	ppb
Avg	**1013.0**	**1025.9**
Stddev	1.6	3.7
%RSD	.15603	.36337
#1	1013.2	1026.5
#2	1014.5	1022.0
#3	1011.4	1029.4
Check ?	Chk Pass	Chk Pass
Value		
Range		

Int. Std.	Sc1880	Sc3613	Sc3613-2
Units	Cts/S	Cts/S	Cts/S
Avg	1561.3	692900.	87263.
Stddev	4.5	2176.	128.
%RSD	.28504	.31409	.14619
#1	1559.1	690990.	87286.
#2	1566.4	692440.	87377.
#3	1558.4	695270.	87125.

Sample Name: SEQ-ICB Acquired: 5/3/2011 11:24:25 Type: QC
Method: DuoEnviroMethodNEW(v2195) Mode: CONC Corr. Factor: 1.000000
User: rburr Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	As1972	B_2496	Ba2335	Be3130	Ca3179
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppm
Avg	**.18615**	**2.5749**	**.50586**	**-.79583**	**2.0100**	**.08906**	**.02326**	**.00222**
Stddev	.07300	5.6341	.31284	1.0362	.0768	.05259	.04222	.00179
%RSD	39.213	218.81	61.844	130.20	3.8212	59.055	181.51	80.456
#1	.24705	.15374	.24619	-1.3410	2.0965	.10691	-.01732	.00027
#2	.10524	-1.4440	.41821	-1.4456	1.9498	.02986	.02015	.00262
#3	.20617	9.0149	.85318	.39914	1.9836	.13040	.06695	.00377
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Cd2144	Cd2288	Co2286	Cr2677	Cu2199	Cu3247	Fe2611	K_7664
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppm
Avg	**.02551**	**.12745**	**.06542**	**.09761**	**.0115**	**.36009**	**.69796**	**.10334**
Stddev	.00911	.02824	.10467	.04382	.2964	.08810	1.0814	.01477
%RSD	35.723	22.161	160.00	44.891	2582.	24.465	154.94	14.293
#1	.02976	.15870	.13863	.05009	.2428	.27004	-.52563	.12004
#2	.03172	.11988	-.05447	.13642	.1143	.36413	1.0940	.09802
#3	.01505	.10375	.11208	.10633	-.3226	.44609	1.5256	.09197
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
Units	ppm	ppb	ppb	ppm	ppb	ppb	ppb	ppb
Avg	**.01201**	**.08568**	**.68452**	**.00339**	**.05558**	**.01368**	**-.16982**	**.42683**
Stddev	.00572	.00802	.05011	.00814	.11757	.18598	.37752	.42823
%RSD	47.610	9.3645	7.3209	239.85	211.51	1359.8	222.31	100.33
#1	.01776	.09494	.73517	.01261	.13816	-.13516	-.60574	-.06249
#2	.01195	.08064	.63496	.00038	-.07902	.22216	.04951	.73321
#3	.00632	.08148	.68343	-.00281	.10761	-.04598	.04677	.60978
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: SEQ-ICB Acquired: 5/3/2011 11:24:25 Type: QC
Method: DuoEnviroMethodNEW(v2195) Mode: CONC Corr. Factor: 1.000000
User: rburr Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4215	Ti3349	Tl1908	V_2924	Zn2062
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.02102**	**-.0146**	**.01885**	**1.2145**	**-.08720**	**.07882**
Stddev	.14484	.0636	.10500	.1522	.06938	.01159
%RSD	689.08	437.3	557.01	12.533	79.568	14.705
#1	-.03475	-.0777	.05854	1.1095	-.03809	.09074
#2	.13020	-.0155	-.10021	1.1448	-.16657	.06759
#3	-.15851	.0495	.09822	1.3890	-.05693	.07812
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Sc1880	Sc3613	Sc3613-2
Units	Cts/S	Cts/S	Cts/S
Avg	1782.5	726770.	89308.
Stddev	14.6	7321.	443.
%RSD	.82066	1.0073	.49577
#1	1794.1	718420.	89638.
#2	1787.2	732100.	89482.
#3	1766.0	729780.	88805.

Sample Name: SEQ-CRL Acquired: 5/3/2011 11:35:18 Type: QC
Method: DuoEnviroMethodNEW(v2195) Mode: CONC Corr. Factor: 1.000000
User: rburr Custom ID1: Custom ID2: Custom ID3:
Comment: RLSTDA

Elem	Ag3280	Al3961	As1890	As1972	B_2496	Ba2335	Be3130	Ca3179
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppm
Avg	**2.0014**	**104.98**	**6.2214**	**4.8556**	**3.9686**	**10.424**	**2.1116**	**2.0721**
Stddev	.2259	2.35	.7142	2.0781	.1392	.073	.0204	.0018
%RSD	11.286	2.2414	11.479	42.797	3.5082	.70325	.96865	.08741
#1	1.7470	107.69	5.7140	6.5573	3.9952	10.370	2.1346	2.0716
#2	2.0787	103.48	5.9121	2.5397	4.0926	10.395	2.0955	2.0741
#3	2.1784	103.76	7.0381	5.4699	3.8180	10.508	2.1047	2.0706
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Elem	Cd2144	Cd2288	Co2286	Cr2677	Cu2199	Cu3247	Fe2611	K_7664
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppm
Avg	**2.0934**	**2.1390**	**9.6847**	**4.0144**	**8.600**	**8.2487**	**64.513**	**2.9304**
Stddev	.0453	.0440	.0663	.2878	.171	.0959	2.160	.0100
%RSD	2.1628	2.0547	.68436	7.1680	1.985	1.1622	3.3478	.34239
#1	2.1411	2.1348	9.7361	4.3006	8.429	8.3117	65.844	2.9365
#2	2.0511	2.1850	9.6099	4.0175	8.771	8.1384	65.675	2.9188
#3	2.0881	2.0974	9.7081	3.7251	8.599	8.2960	62.021	2.9359
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
Units	ppm	ppb	ppb	ppm	ppb	ppb	ppb	ppb
Avg	**2.8190**	**6.5683**	**9.6399**	**2.9625**	**5.9301**	**3.3081**	**7.6460**	**4.9559**
Stddev	.0177	.0285	.1029	.0073	.0932	.5521	.3053	1.1517
%RSD	.62700	.43444	1.0670	.24561	1.5715	16.688	3.9930	23.238
#1	2.8310	6.6004	9.7086	2.9599	5.8769	3.3937	7.3346	4.2915
#2	2.8274	6.5588	9.5216	2.9707	5.8756	3.8124	7.6585	6.2857
#3	2.7987	6.5457	9.6894	2.9568	6.0377	2.7183	7.9449	4.2904
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Sample Name: SEQ-CRL Acquired: 5/3/2011 11:35:18 Type: QC
Method: DuoEnviroMethodNEW(v2195) Mode: CONC Corr. Factor: 1.000000
User: rburr Custom ID1: Custom ID2: Custom ID3:
Comment: RLSTDA

Elem	Sn1899	Sr4215	Ti3349	Tl1908	V_2924	Zn2062
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**19.012**	**5.998**	**10.429**	**3.8528**	**10.052**	**9.7904**
Stddev	.470	.028	.166	.6482	.100	.0881
%RSD	2.4707	.4579	1.5891	16.824	.99277	.89956
#1	18.830	6.020	10.346	3.2221	9.9521	9.7338
#2	18.661	5.967	10.620	3.8190	10.054	9.7455
#3	19.546	6.006	10.322	4.5172	10.152	9.8918
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Int. Std.	Sc1880	Sc3613	Sc3613-2
Units	Cts/S	Cts/S	Cts/S
Avg	1744.9	727980.	88507.
Stddev	7.6	1519.	169.
%RSD	.43757	.20859	.19116
#1	1747.5	727450.	88312.
#2	1750.9	726800.	88592.
#3	1736.3	729700.	88617.

Sample Name: SEQ-IFA Acquired: 5/3/2011 11:45:26 Type: Unk
Method: DuoEnviroMethodNEW(v2195) Mode: CONC Corr. Factor: 1.000000
User: rburr Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	As1972	B_2496	Ba2335	Be3130
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.27975**	**511180.**	**-1.4229**	**-3.9285**	**4.3211**	**1.7714**	**.03383**
Stddev	.09671	1629.	4.4875	5.1773	1.2380	.1490	.03036
%RSD	34.570	.31866	315.39	131.79	28.650	8.4105	89.743
#1	-.39099	511910.	-5.8765	-9.8250	3.6760	1.6487	.02583
#2	-.23255	509310.	-1.4900	-1.8338	3.5389	1.7284	.00827
#3	-.21570	512310.	3.0978	-.12677	5.7485	1.9372	.06738

Elem	Ca3179	Cd2144	Cd2288	Co2286	Cr2677	Cu2199	Cu3247
Units	ppm	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**491.04**	**.40715**	**-.96685**	**-.88149**	**-1.4345**	**-1.961**	**-4.0441**
Stddev	2.35	.18603	.18227	.01602	.0910	1.017	.0590
%RSD	.47854	45.691	18.852	1.8169	6.3429	51.88	1.4586
#1	489.80	.58112	-1.1771	-.88584	-1.3819	-1.242	-4.0039
#2	489.56	.42929	-.87027	-.89488	-1.5396	-1.516	-4.1118
#3	493.75	.21104	-.85320	-.86375	-1.3820	-3.125	-4.0164

Elem	Fe2611	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Units	ppb	ppm	ppm	ppb	ppb	ppm	ppb
Avg	**200380.**	**.01841**	**500.80**	**4.2655**	**.48259**	**.02159**	**-3.2594**
Stddev	2231.	.01250	3.14	.0866	.36699	.00177	.4046
%RSD	1.1131	67.886	.62655	2.0303	76.045	8.1937	12.412
#1	197960.	.03272	497.84	4.3057	.11096	.01966	-2.8101
#2	200810.	.00967	500.46	4.3248	.49206	.02314	-3.3732
#3	202360.	.01283	504.09	4.1661	.84476	.02198	-3.5948

Elem	Pb2203	Sb2068	Se1960	Sn1899	Sr4215	Ti3349	Tl1908
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**6.9164**	**-2.8957**	**1.1498**	**.07885**	**-5.650**	**-3.5819**	**2.2434**
Stddev	1.1806	2.3470	2.0426	.85346	.022	.1383	1.2471
%RSD	17.069	81.053	177.64	1082.4	.3919	3.8603	55.592
#1	6.4341	-1.3722	3.2458	.87853	-5.675	-3.6954	2.2185
#2	6.0534	-1.7164	-.83487	.17779	-5.633	-3.6224	3.5028
#3	8.2618	-5.5985	1.0386	-.81977	-5.642	-3.4279	1.0088

Sample Name: SEQ-IFA Acquired: 5/3/2011 11:45:26 Type: Unk
Method: DuoEnviroMethodNEW(v2195) Mode: CONC Corr. Factor: 1.000000
User: rburr Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	V_2924	Zn2062
Units	ppb	ppb
Avg	**.15487**	**8.3051**
Stddev	.11143	.0980
%RSD	71.949	1.1800
#1	.21666	8.2071
#2	.02624	8.4031
#3	.22172	8.3052

Int. Std.	Sc1880	Sc3613	Sc3613-2
Units	Cts/S	Cts/S	Cts/S
Avg	1231.4	628290.	83228.
Stddev	6.0	3096.	363.
%RSD	.48565	.49280	.43576
#1	1226.0	630740.	83527.
#2	1237.9	624810.	83334.
#3	1230.4	629310.	82825.

Sample Name: SEQ-IFB Acquired: 5/3/2011 11:51:24 Type: QC
Method: DuoEnviroMethodNEW(v2195) Mode: CONC Corr. Factor: 1.000000
User: rburr Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	As1972	B_2496	Ba2335	Be3130
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**206.84**	**514710.**	**115.41**	**108.99**	**3.4797**	**560.81**	**507.67**
Stddev	.64	1875.	3.20	2.06	.0706	.20	1.94
%RSD	.30808	.36425	2.7707	1.8899	2.0287	.03580	.38132
#1	207.58	513730.	116.10	106.81	3.4292	560.70	505.47
#2	206.44	513530.	111.92	110.90	3.5603	561.04	509.10
#3	206.51	516870.	118.21	109.26	3.4495	560.69	508.45
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass
Value							
Range							

Elem	Ca3179	Cd2144	Cd2288	Co2286	Cr2677	Cu2199	Cu3247
Units	ppm	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**494.67**	**1087.3**	F **1203.9**	**503.36**	**466.32**	**475.2**	**516.67**
Stddev	3.64	4.4	1.4	1.71	1.25	2.1	.92
%RSD	.73538	.40723	.11702	.33922	.26820	.4421	.17868
#1	491.75	1089.3	1205.3	504.52	464.95	473.5	517.69
#2	498.74	1090.3	1202.5	504.15	466.60	474.6	515.90
#3	493.51	1082.2	1204.0	501.40	467.41	477.6	516.41
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value			1000.0				
Range			±200.00				

Elem	Fe2611	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Units	ppb	ppm	ppm	ppb	ppb	ppm	ppb
Avg	**201810.**	**.01882**	**504.37**	**500.92**	**.70354**	**.02254**	**994.66**
Stddev	459.	.01301	2.19	.73	.31260	.02539	1.00
%RSD	.22761	69.122	.43487	.14605	44.433	112.65	.10070
#1	202260.	.02440	502.23	500.10	.79862	.00790	995.54
#2	201830.	.00395	506.61	501.52	.95756	.00787	993.57
#3	201340.	.02810	504.27	501.13	.35444	.05187	994.87
Check ?	Chk Pass	None	Chk Pass	Chk Pass	None	None	Chk Pass
Value							
Range							

Sample Name: SEQ-IFB Acquired: 5/3/2011 11:51:24 Type: QC
Method: DuoEnviroMethodNEW(v2195) Mode: CONC Corr. Factor: 1.000000
User: rburr Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Pb2203	Sb2068	Se1960	Sn1899	Sr4215	Ti3349	Tl1908
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**56.360**	**667.39**	**59.200**	**.18634**	**-5.660**	**-3.3253**	**90.399**
Stddev	.351	1.62	1.674	.39511	.082	.3562	1.143
%RSD	.62323	.24285	2.8281	212.03	1.457	10.712	1.2640
#1	56.208	665.72	58.989	.57305	-5.594	-3.3070	90.347
#2	56.110	667.51	60.970	.20264	-5.752	-2.9786	89.284
#3	56.761	668.96	57.641	-.21666	-5.632	-3.6903	91.567
Check ?	Chk Pass	Chk Pass	Chk Pass	None	None	None	Chk Pass
Value							
Range							

Elem	V_2924	Zn2062
Units	ppb	ppb
Avg	**478.26**	**1052.8**
Stddev	1.77	2.5
%RSD	.37042	.23501
#1	476.38	1052.5
#2	478.50	1055.4
#3	479.90	1050.5
Check ?	Chk Pass	Chk Pass
Value		
Range		

Int. Std.	Sc1880	Sc3613	Sc3613-2
Units	Cts/S	Cts/S	Cts/S
Avg	1236.7	625500.	82830.
Stddev	1.9	265.	319.
%RSD	.15511	.04231	.38452
#1	1234.5	625790.	83073.
#2	1237.6	625440.	82469.
#3	1238.0	625270.	82947.

Sample Name: SEQ-CCV Acquired: 5/3/2011 12:02:29 Type: QC
Method: DuoEnviroMethodNEW(v2195) Mode: CONC Corr. Factor: 1.000000
User: rburr Custom ID1: Custom ID2: Custom ID3:
Comment: 11E0019

Elem	Ag3280	Al3961	As1890	As1972	B_2496	Ba2335	Be3130	Ca3179
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppm
Avg	**493.41**	**9756.1**	**1031.2**	**1020.8**	**1027.9**	**1019.5**	**1057.7**	**51.959**
Stddev	2.73	22.2	2.7	6.5	8.2	3.5	.9	.021
%RSD	.55322	.22732	.26523	.63795	.80161	.34541	.08483	.04039
#1	496.54	9740.0	1028.1	1014.1	1037.4	1017.5	1058.6	51.976
#2	492.17	9781.4	1032.4	1021.1	1023.2	1017.4	1057.6	51.935
#3	491.52	9746.8	1033.2	1027.1	1023.0	1023.6	1056.8	51.965
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Elem	Cd2144	Cd2288	Co2286	Cr2677	Cu2199	Cu3247	Fe2611	K_7664
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppm
Avg	**1060.9**	**1065.4**	**994.87**	**1001.2**	**1011.**	**1010.9**	**10378.**	**9.9016**
Stddev	3.5	4.0	2.99	10.3	7.	6.8	22.	.0650
%RSD	.33371	.37224	.30054	1.0286	.6645	.66901	.21145	.65661
#1	1062.2	1062.4	994.35	1013.1	1019.	1018.6	10403.	9.8394
#2	1056.9	1063.9	992.18	996.37	1007.	1007.7	10361.	9.9691
#3	1063.6	1069.9	998.09	994.27	1007.	1006.2	10370.	9.8962
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
Units	ppm	ppb	ppb	ppm	ppb	ppb	ppb	ppb
Avg	**51.754**	**1064.8**	**1015.6**	**50.636**	**1006.1**	**991.36**	**1013.5**	**1028.2**
Stddev	.011	8.6	3.4	.154	3.1	4.93	4.1	3.6
%RSD	.02111	.80570	.33160	.30485	.30436	.49702	.40642	.35282
#1	51.742	1074.5	1013.5	50.647	1003.8	991.41	1009.3	1024.4
#2	51.755	1061.5	1013.8	50.785	1004.9	986.41	1013.7	1028.8
#3	51.764	1058.3	1019.5	50.476	1009.5	996.26	1017.5	1031.5
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Sample Name: SEQ-CCV Acquired: 5/3/2011 12:02:29 Type: QC
Method: DuoEnviroMethodNEW(v2195) Mode: CONC Corr. Factor: 1.000000
User: rburr Custom ID1: Custom ID2: Custom ID3:
Comment: 11E0019

Elem	Sn1899	Sr4215	Ti3349	Tl1908	V_2924	Zn2062
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1009.1**	**1025.**	**997.40**	**996.17**	**1010.1**	**1026.0**
Stddev	3.2	3.	.82	3.53	8.7	2.8
%RSD	.31396	.2488	.08181	.35415	.86214	.27699
#1	1006.8	1026.	996.76	993.96	1020.0	1027.8
#2	1007.8	1026.	998.32	994.30	1006.7	1022.7
#3	1012.8	1022.	997.13	1000.2	1003.6	1027.4
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Int. Std.	Sc1880	Sc3613	Sc3613-2
Units	Cts/S	Cts/S	Cts/S
Avg	1569.5	696640.	87677.
Stddev	4.9	4745.	195.
%RSD	.31192	.68110	.22237
#1	1574.0	691290.	87837.
#2	1570.1	698290.	87734.
#3	1564.3	700340.	87460.

Sample Name: SEQ-CCB Acquired: 5/3/2011 12:09:45 Type: QC
Method: DuoEnviroMethodNEW(v2195) Mode: CONC Corr. Factor: 1.000000
User: rburr Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	As1972	B_2496	Ba2335	Be3130	Ca3179
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppm
Avg	**.11256**	**4.8248**	**.63558**	**-.21098**	**1.7378**	**.20830**	**.05133**	**.00684**
Stddev	.05255	2.2334	.10144	1.0220	.3541	.03236	.06518	.00338
%RSD	46.687	46.290	15.960	484.40	20.378	15.534	126.98	49.458
#1	.09726	5.2141	.72601	.43757	1.8839	.20436	-.01269	.00298
#2	.06936	6.8380	.65484	.31856	1.9955	.24244	.04907	.00827
#3	.17107	2.4223	.52589	-1.3891	1.3340	.17809	.11762	.00928
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Cd2144	Cd2288	Co2286	Cr2677	Cu2199	Cu3247	Fe2611	K_7664
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppm
Avg	**.14751**	**.11046**	**.21006**	**.11995**	**.2751**	**.39792**	**2.3807**	**.09228**
Stddev	.03620	.10878	.06502	.02272	.2466	.13135	.8709	.00988
%RSD	24.543	98.477	30.953	18.943	89.63	33.009	36.583	10.709
#1	.18905	.23047	.13639	.09372	.0430	.43969	1.9008	.09653
#2	.13086	.08256	.25942	.13352	.5340	.25077	1.8554	.08099
#3	.12263	.01835	.23439	.13261	.2483	.50331	3.3861	.09933
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
Units	ppm	ppb	ppb	ppm	ppb	ppb	ppb	ppb
Avg	**.01059**	**.17981**	**.74117**	**.02017**	**.18101**	**-.13777**	**-.19289**	**.34397**
Stddev	.00711	.02548	.11790	.02007	.08026	.19551	.07797	.66654
%RSD	67.171	14.173	15.907	99.486	44.341	141.91	40.421	193.78
#1	.00512	.16890	.83697	.04282	.16231	.02835	-.27209	1.0626
#2	.00802	.16159	.77704	.00460	.26897	-.08844	-.19037	.22334
#3	.01863	.20893	.60951	.01310	.11175	-.35321	-.11622	-.25401
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: SEQ-CCB Acquired: 5/3/2011 12:09:45 Type: QC
Method: DuoEnviroMethodNEW(v2195) Mode: CONC Corr. Factor: 1.000000
User: rburr Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4215	Ti3349	Tl1908	V_2924	Zn2062
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.08262**	**.0263**	**.22612**	**.81571**	**.04411**	**.25669**
Stddev	.19378	.0447	.10629	.61151	.02768	.12146
%RSD	234.53	170.0	47.006	74.967	62.750	47.317
#1	.20663	.0125	.31830	1.2818	.07595	.38202
#2	.18192	-.0099	.25020	1.0420	.03062	.13952
#3	-.14067	.0763	.10985	.12330	.02577	.24853
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Sc1880	Sc3613	Sc3613-2
Units	Cts/S	Cts/S	Cts/S
Avg	1775.0	726670.	88365.
Stddev	2.4	3810.	466.
%RSD	.13253	.52427	.52720
#1	1773.0	725140.	88897.
#2	1777.6	723860.	88030.
#3	1774.5	731010.	88167.

Sample Name: SEQ-CCV Acquired: 5/3/2011 14:02:56 Type: QC
Method: DuoEnviroMethodNEW(v2195) Mode: CONC Corr. Factor: 1.000000
User: rburr Custom ID1: Custom ID2: Custom ID3:
Comment: 11E0019

Elem	Ag3280	Al3961	As1890	As1972	B_2496	Ba2335	Be3130	Ca3179
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppm
Avg	**500.60**	**9908.0**	**1033.9**	**999.21**	**1054.0**	**1013.7**	**1031.7**	**52.720**
Stddev	.05	258.2	5.3	5.69	3.1	5.2	23.8	1.288
%RSD	.01046	2.6059	.51266	.56939	.29557	.51581	2.3107	2.4429
#1	500.58	9798.4	1030.8	995.07	1050.9	1011.4	1020.6	52.171
#2	500.66	9722.8	1030.9	996.86	1054.0	1010.1	1015.5	51.797
#3	500.56	10203.	1040.0	1005.7	1057.2	1019.7	1059.1	54.191
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Elem	Cd2144	Cd2288	Co2286	Cr2677	Cu2199	Cu3247	Fe2611	K_7664
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppm
Avg	**1011.9**	**1066.6**	**970.98**	**998.18**	**1033.**	**997.55**	**9962.8**	**10.122**
Stddev	3.6	5.5	3.91	6.14	3.	4.02	214.1	.271
%RSD	.35987	.51206	.40274	.61517	.2669	.40315	2.1494	2.6784
#1	1010.9	1063.3	970.16	991.47	1030.	996.10	9870.4	9.9889
#2	1008.9	1063.6	967.54	999.58	1035.	994.46	9810.4	9.9439
#3	1015.9	1072.9	975.24	1003.5	1034.	1002.1	10208.	10.434
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
Units	ppm	ppb	ppb	ppm	ppb	ppb	ppb	ppb
Avg	**51.180**	**1076.5**	**1017.1**	**50.250**	**1009.2**	**978.52**	**990.11**	**1025.7**
Stddev	1.218	2.9	6.2	1.267	4.8	6.53	4.51	3.4
%RSD	2.3802	.26682	.60503	2.5210	.47530	.66721	.45570	.33570
#1	50.590	1073.3	1013.0	49.682	1006.6	976.94	986.34	1023.5
#2	50.368	1077.6	1014.0	49.366	1006.2	972.93	988.89	1023.9
#3	52.580	1078.7	1024.1	51.701	1014.7	985.70	995.11	1029.7
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Sample Name: SEQ-CCV Acquired: 5/3/2011 14:02:56 Type: QC
Method: DuoEnviroMethodNEW(v2195) Mode: CONC Corr. Factor: 1.000000
User: rburr Custom ID1: Custom ID2: Custom ID3:
Comment: 11E0019

Elem	Sn1899	Sr4215	Ti3349	Tl1908	V_2924	Zn2062
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1003.7**	**1019.**	**987.59**	**959.44**	**1024.2**	**1009.1**
Stddev	5.2	24.	23.23	2.98	3.9	4.6
%RSD	.51800	2.365	2.3524	.31085	.37715	.45103
#1	1000.4	1008.	976.08	957.97	1019.8	1007.3
#2	1001.0	1001.	972.36	957.49	1026.4	1005.8
#3	1009.7	1046.	1014.3	962.88	1026.5	1014.3
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Int. Std.	Sc1880	Sc3613	Sc3613-2
Units	Cts/S	Cts/S	Cts/S
Avg	1587.1	693790.	88408.
Stddev	9.4	1847.	1799.
%RSD	.59335	.26623	2.0345
#1	1592.2	695680.	89374.
#2	1592.8	693690.	89518.
#3	1576.2	691990.	86333.

Sample Name: SEQ-CCB Acquired: 5/3/2011 14:10:11 Type: QC
Method: DuoEnviroMethodNEW(v2195) Mode: CONC Corr. Factor: 1.000000
User: rburr Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	As1972	B_2496	Ba2335	Be3130	Ca3179
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppm
Avg	**.05844**	**25.651**	**.07639**	**-1.3164**	**1.9701**	**.15302**	**.11765**	**.05009**
Stddev	.10869	2.246	.62711	.7956	.2260	.02945	.03788	.01337
%RSD	185.99	8.7554	820.93	60.440	11.471	19.245	32.200	26.682
#1	-.02725	27.208	-.54781	-1.3458	1.7146	.18378	.15894	.06474
#2	.18071	26.668	.70636	-.50647	2.0519	.15018	.10950	.04699
#3	.02187	23.077	.07062	-2.0969	2.1438	.12509	.08450	.03855
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Cd2144	Cd2288	Co2286	Cr2677	Cu2199	Cu3247	Fe2611	K_7664
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppm
Avg	**.07661**	**.26288**	**.10621**	**-.00861**	**.0242**	**.64641**	**10.617**	**.10689**
Stddev	.04320	.02354	.06289	.04904	.3225	.07810	5.453	.01310
%RSD	56.393	8.9536	59.210	569.44	1335.	12.081	51.361	12.258
#1	.02700	.28137	.15794	-.06524	.3749	.73372	16.888	.11839
#2	.10595	.23638	.03621	.02032	-.2597	.62225	7.9647	.10967
#3	.09688	.27089	.12448	.01909	-.0427	.58324	6.9971	.09263
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
Units	ppm	ppb	ppb	ppm	ppb	ppb	ppb	ppb
Avg	**.01487**	**.22385**	**.66376**	**.00825**	**-.08120**	**.33667**	**.29493**	**.58165**
Stddev	.00588	.05887	.11068	.01078	.17122	.38496	.76509	.87017
%RSD	39.518	26.298	16.674	130.74	210.86	114.35	259.42	149.60
#1	.02165	.15609	.79115	.01719	.11295	.02984	-.14703	-.41850
#2	.01141	.25308	.60896	.01128	-.21062	.76863	1.1784	.99822
#3	.01155	.26239	.59117	-.00373	-.14593	.21152	-.14656	1.1652
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: SEQ-CCB Acquired: 5/3/2011 14:10:11 Type: QC
Method: DuoEnviroMethodNEW(v2195) Mode: CONC Corr. Factor: 1.000000
User: rburr Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4215	Ti3349	Tl1908	V_2924	Zn2062
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.11082**	**.1295**	**.33620**	**.20513**	**-.08081**	**.20224**
Stddev	.19433	.1031	.46662	.10394	.10902	.02615
%RSD	175.37	79.63	138.79	50.671	134.91	12.931
#1	-.01283	.2473	.66524	.13553	-.10558	.17346
#2	.01047	.0857	-.19782	.32462	.03847	.22456
#3	.33481	.0555	.54118	.15526	-.17531	.20870
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Sc1880	Sc3613	Sc3613-2
Units	Cts/S	Cts/S	Cts/S
Avg	1783.1	728750.	89440.
Stddev	30.0	6691.	540.
%RSD	1.6815	.91812	.60338
#1	1797.0	728310.	88896.
#2	1748.6	735650.	89976.
#3	1803.5	722290.	89449.

Sample Name: 1E02004-BLK1 Acquired: 5/3/2011 14:14:50 Type: QC
Method: DuoEnviroMethodNEW(v2195) Mode: CONC Corr. Factor: 1.000000
User: rburr Custom ID1: Custom ID2: Custom ID3:
Comment: PBW050211A

Elem	Ag3280	Al3961	As1890	As1972	B_2496	Ba2335	Be3130	Ca3179
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppm
Avg	**.11211**	**36.009**	**.46854**	**-.43039**	**2.3431**	**.14177**	**.15036**	**.07555**
Stddev	.14551	7.467	1.0451	.36784	.1423	.02203	.04209	.01827
%RSD	129.79	20.736	223.05	85.466	6.0741	15.542	27.991	24.178
#1	.28009	44.498	1.6660	-.15795	2.3082	.11722	.19751	.09509
#2	.02472	30.459	-.25980	-.28441	2.2216	.15983	.13695	.07266
#3	.03153	33.069	-.00054	-.84881	2.4997	.14826	.11661	.05890
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Cd2144	Cd2288	Co2286	Cr2677	Cu2199	Cu3247	Fe2611	K_7664
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppm
Avg	**.00150**	**.18115**	**.11717**	**.06408**	**.2362**	**.66795**	**15.288**	**.08629**
Stddev	.06361	.08668	.04881	.09978	.3879	.05276	4.021	.00972
%RSD	4252.1	47.849	41.661	155.71	164.2	7.8994	26.303	11.259
#1	-.07164	.08935	.17350	-.05022	.4864	.72334	19.517	.09136
#2	.03221	.19251	.08751	.10866	-.2106	.66225	14.835	.07509
#3	.04392	.26158	.09049	.13381	.4330	.61827	11.513	.09243
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
Units	ppm	ppb	ppb	ppm	ppb	ppb	ppb	ppb
Avg	**.01957**	**.22985**	**.14705**	**.00800**	**-.11487**	**.24297**	**-.18012**	**.53435**
Stddev	.00433	.06976	.05031	.01272	.09039	.12194	.58338	.42083
%RSD	22.102	30.348	34.214	158.86	78.687	50.188	323.89	78.755
#1	.01616	.30670	.16665	.02115	-.10554	.37155	-.11151	1.0168
#2	.02444	.21232	.18462	.00711	-.20956	.22836	.36592	.24276
#3	.01812	.17054	.08989	-.00424	-.02951	.12899	-.79477	.34351
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: 1E02004-BLK1 Acquired: 5/3/2011 14:14:50 Type: QC
Method: DuoEnviroMethodNEW(v2195) Mode: CONC Corr. Factor: 1.000000
User: rburr Custom ID1: Custom ID2: Custom ID3:
Comment: PBW050211A

Elem	Sn1899	Sr4215	Ti3349	Tl1908	V_2924	Zn2062
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.03053**	**.2108**	**.29077**	**.29352**	**-.08259**	**.54447**
Stddev	.20947	.0770	.08434	.25635	.06542	.10794
%RSD	686.07	36.55	29.007	87.336	79.216	19.825
#1	.25186	.2975	.30355	.09146	-.11019	.63064
#2	.00433	.1848	.20077	.58188	-.12969	.42339
#3	-.16460	.1501	.36800	.20722	-.00789	.57939
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Sc1880	Sc3613	Sc3613-2
Units	Cts/S	Cts/S	Cts/S
Avg	1799.5	738990.	88744.
Stddev	8.4	6534.	634.
%RSD	.46687	.88421	.71471
#1	1795.4	736760.	88012.
#2	1809.2	733870.	89109.
#3	1793.9	746350.	89112.

Sample Name: 1E02004-BS1 Acquired: 5/3/2011 14:19:29 Type: QC
Method: DuoEnviroMethodNEW(v2195) Mode: CONC Corr. Factor: 1.000000
User: rburr Custom ID1: Custom ID2: Custom ID3:
Comment: LCSW050211A

Elem	Ag3280	Al3961	As1890	As1972	B_2496	Ba2335	Be3130	Ca3179
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppm
Avg	**242.80**	**2006.4**	**252.24**	**247.44**	**991.66**	**2059.2**	**53.461**	**5.1974**
Stddev	7.84	13.5	6.86	8.91	32.45	60.7	.436	.0428
%RSD	3.2286	.67144	2.7210	3.6024	3.2722	2.9490	.81465	.82399
#1	234.26	2021.9	249.12	245.13	955.52	2035.5	53.871	5.2336
#2	244.47	2000.2	247.49	239.91	1001.2	2013.8	53.508	5.2086
#3	249.67	1997.2	260.11	257.28	1018.3	2128.1	53.003	5.1501
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Elem	Cd2144	Cd2288	Co2286	Cr2677	Cu2199	Cu3247	Fe2611	K_7664
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppm
Avg	**130.69**	**133.89**	**489.30**	**196.86**	**248.3**	**248.70**	**1051.6**	**4.9042**
Stddev	3.58	3.73	13.58	6.90	6.8	7.16	13.4	.0110
%RSD	2.7396	2.7853	2.7758	3.5070	2.722	2.8808	1.2713	.22407
#1	129.22	132.67	484.03	189.03	241.1	240.84	1059.4	4.9169
#2	128.07	130.93	479.15	199.49	249.3	250.41	1059.3	4.8976
#3	134.77	138.08	504.73	202.06	254.5	254.86	1036.2	4.8982
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
Units	ppm	ppb	ppb	ppm	ppb	ppb	ppb	ppb
Avg	**4.5933**	**534.50**	**1014.9**	**4.9757**	**508.14**	**256.62**	**246.05**	**244.34**
Stddev	.0300	17.52	30.3	.0307	14.16	8.82	7.23	7.11
%RSD	.65374	3.2775	2.9851	.61624	2.7873	3.4376	2.9388	2.9083
#1	4.6239	514.83	1004.3	5.0025	503.25	253.60	242.67	242.18
#2	4.5921	540.28	991.36	4.9824	497.07	249.70	241.12	238.57
#3	4.5638	548.41	1049.1	4.9423	524.10	266.55	254.35	252.28
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Sample Name: 1E02004-BS1 Acquired: 5/3/2011 14:19:29 Type: QC
Method: DuoEnviroMethodNEW(v2195) Mode: CONC Corr. Factor: 1.000000
User: rburr Custom ID1: Custom ID2: Custom ID3:
Comment: LCSW050211A

Elem	Sn1899	Sr4215	Ti3349	Tl1908	V_2924	Zn2062
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1001.4**	**1035.**	**1005.0**	**246.74**	**497.67**	**501.17**
Stddev	27.8	9.	7.8	7.08	16.94	14.08
%RSD	2.7727	.8687	.77664	2.8687	3.4037	2.8087
#1	993.48	1042.	1011.7	243.59	478.53	495.73
#2	978.45	1038.	1006.8	241.78	503.74	490.63
#3	1032.3	1025.	996.43	254.84	510.73	517.16
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Int. Std.	Sc1880	Sc3613	Sc3613-2
Units	Cts/S	Cts/S	Cts/S
Avg	1662.6	740670.	88281.
Stddev	43.3	23688.	737.
%RSD	2.6038	3.1982	.83476
#1	1676.4	767390.	87622.
#2	1697.3	732380.	88145.
#3	1614.1	722250.	89077.

Sample Name: 1104207-09 Acquired: 5/3/2011 14:25:51 Type: Unk
Method: DuoEnviroMethodNEW(v2195) Mode: CONC Corr. Factor: 1.000000
User: rburr Custom ID1: Custom ID2: Custom ID3:
Comment: TETRA

Elem	Ag3280	Al3961	As1890	As1972	B_2496	Ba2335	Be3130	Ca3179
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppm
Avg	**.12227**	**119.17**	**-.30280**	**-1.2272**	**8.6313**	**.41994**	**.05558**	**.25803**
Stddev	.12739	2.40	.68275	.4385	.1820	.05225	.02375	.00815
%RSD	104.18	2.0159	225.48	35.729	2.1087	12.443	42.733	3.1605
#1	.15906	119.96	.48557	-1.1000	8.7568	.40820	.08018	.26591
#2	-.01946	121.08	-.69990	-1.7152	8.4226	.47706	.05379	.25854
#3	.22722	116.47	-.69407	-.86643	8.7146	.37455	.03278	.24962

Elem	Cd2144	Cd2288	Co2286	Cr2677	Cu2199	Cu3247	Fe2611	K_7664
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppm
Avg	**-.04151**	**.08950**	**.06094**	**.31708**	**.3524**	**.54597**	**16.474**	**.09508**
Stddev	.05086	.11213	.13965	.08643	.2821	.04583	2.372	.01117
%RSD	122.52	125.29	229.17	27.257	80.05	8.3945	14.400	11.750
#1	-.08694	.20930	.13029	.22197	.6727	.59249	19.012	.10638
#2	-.05103	.07212	.15234	.39081	.2433	.54458	16.097	.08404
#3	.01344	-.01293	-.09981	.33846	.1411	.50086	14.312	.09480

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
Units	ppm	ppb	ppb	ppm	ppb	ppb	ppb	ppb
Avg	**.03224**	**.29777**	**.70010**	**.02842**	**.00009**	**.26019**	**-.33258**	**1.1197**
Stddev	.00276	.03230	.07737	.01087	.04623	.18985	.86121	1.0998
%RSD	8.5655	10.848	11.051	38.238	51462.	72.964	258.95	98.229
#1	.02943	.32674	.78423	.04036	.05071	.47090	-1.3146	1.4770
#2	.03235	.30365	.68408	.02578	-.03988	.20720	.29420	-.11440
#3	.03495	.26294	.63200	.01911	-.01056	.10247	.02264	1.9964

Elem	Sn1899	Sr4215	Ti3349	Tl1908	V_2924	Zn2062
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.16991**	**.5089**	**.62042**	**.65002**	**.02616**	**2.7358**
Stddev	.27161	.0855	.11236	.07680	.15434	.0488
%RSD	159.85	16.81	18.111	11.815	589.94	1.7842
#1	-.39249	.6074	.73142	.57154	-.03299	2.7668
#2	.13273	.4544	.62312	.65350	-.08985	2.6795
#3	-.24999	.4648	.50674	.72502	.20133	2.7611

Sample Name: 1104207-09 Acquired: 5/3/2011 14:25:51 Type: Unk
Method: DuoEnviroMethodNEW(v2195) Mode: CONC Corr. Factor: 1.000000
User: rburr Custom ID1: Custom ID2: Custom ID3:
Comment: TETRA

Int. Std.	Sc1880	Sc3613	Sc3613-2
Units	Cts/S	Cts/S	Cts/S
Avg	1760.6	737250.	89701.
Stddev	8.8	4656.	120.
%RSD	.50128	.63153	.13348
#1	1764.6	742530.	89816.
#2	1766.7	733750.	89708.
#3	1750.5	735460.	89577.

Sample Name: SEQ-CCV Acquired: 5/3/2011 15:22:33 Type: QC
Method: DuoEnviroMethodNEW(v2195) Mode: CONC Corr. Factor: 1.000000
User: rburr Custom ID1: Custom ID2: Custom ID3:
Comment: 11E0019

Elem	Ag3280	Al3961	As1890	As1972	B_2496	Ba2335	Be3130
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**490.64**	**9814.9**	**1030.7**	**1057.1**	**1001.5**	**1041.0**	**1052.7**
Stddev	1.70	13.4	3.0	3.6	4.6	3.5	.6
%RSD	.34652	.13636	.28998	.34527	.45471	.33993	.05277
#1	492.60	9806.9	1028.4	1053.2	1006.7	1036.9	1053.3
#2	489.74	9807.4	1029.5	1060.4	998.23	1043.0	1052.7
#3	489.57	9830.3	1034.1	1057.6	999.60	1043.0	1052.2
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Ca3179	Cd2144	Cd2288	Co2286	Cr2677	Cu2199	Cu3247
Units	ppm	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**49.929**	F **1116.4**	**1076.9**	**1032.3**	**988.57**	**983.0**	**1033.7**
Stddev	.091	4.9	1.4	3.0	2.12	3.9	2.7
%RSD	.18157	.44104	.12949	.28683	.21488	.4015	.26128
#1	49.828	1111.3	1075.3	1029.0	990.46	986.7	1035.8
#2	50.005	1121.1	1077.9	1034.7	986.27	978.8	1030.6
#3	49.952	1117.0	1077.5	1033.1	988.97	983.4	1034.7
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value		1000.0					
Range		±100.00					

Elem	Fe2611	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Units	ppb	ppm	ppm	ppb	ppb	ppm	ppb
Avg	**10329.**	**9.9218**	**50.729**	**1045.2**	**1029.3**	**51.677**	**1009.9**
Stddev	22.	.0125	.035	4.0	4.4	.043	2.3
%RSD	.20863	.12582	.06812	.38604	.42264	.08345	.22955
#1	10340.	9.9092	50.709	1049.5	1024.4	51.636	1007.2
#2	10304.	9.9342	50.709	1041.5	1031.3	51.672	1011.6
#3	10342.	9.9221	50.769	1044.5	1032.4	51.722	1010.8
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Sample Name: SEQ-CCV Acquired: 5/3/2011 15:22:33 Type: QC
Method: DuoEnviroMethodNEW(v2195) Mode: CONC Corr. Factor: 1.000000
User: rburr Custom ID1: Custom ID2: Custom ID3:
Comment: 11E0019

Elem	Pb2203	Sb2068	Se1960	Sn1899	Sr4215	Ti3349	Tl1908
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1013.3**	**1062.6**	**1038.3**	**1022.6**	**1017.**	**990.75**	**1055.1**
Stddev	5.8	4.3	5.3	1.4	1.	.67	3.5
%RSD	.56772	.40162	.50895	.13872	.0815	.06722	.33042
#1	1006.8	1058.7	1032.5	1021.2	1017.	990.55	1051.1
#2	1015.6	1061.9	1039.6	1024.0	1016.	991.50	1056.5
#3	1017.6	1067.1	1042.9	1022.7	1017.	990.21	1057.6
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	V_2924	Zn2062
Units	ppb	ppb
Avg	**988.71**	**1036.0**
Stddev	3.96	3.8
%RSD	.40049	.36332
#1	992.63	1032.6
#2	984.71	1040.0
#3	988.78	1035.6
Check ?	Chk Pass	Chk Pass
Value		
Range		

Int. Std.	Sc1880	Sc3613	Sc3613-2
Units	Cts/S	Cts/S	Cts/S
Avg	1522.4	699530.	88577.
Stddev	5.0	2008.	132.
%RSD	.33093	.28703	.14874
#1	1528.2	698690.	88719.
#2	1519.6	701820.	88459.
#3	1519.4	698070.	88551.

Sample Name: SEQ-CCB Acquired: 5/3/2011 15:30:05 Type: QC
Method: DuoEnviroMethodNEW(v2195) Mode: CONC Corr. Factor: 1.000000
User: rburr Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	As1972	B_2496	Ba2335	Be3130	Ca3179
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppm
Avg	**-.06994**	**3.5114**	**-.09571**	**-.16871**	**1.3648**	**.02611**	**-.02858**	**-.00044**
Stddev	.05625	1.2366	.22454	.95617	.0959	.02305	.00064	.00049
%RSD	80.427	35.217	234.60	566.77	7.0302	88.265	2.2261	111.14
#1	-.13375	2.3806	-.19716	-.42272	1.4695	.04987	-.02915	-.00100
#2	-.04850	3.3216	-.25162	.88882	1.3439	.00385	-.02869	-.00008
#3	-.02756	4.8319	.16165	-.97222	1.2811	.02462	-.02789	-.00024
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Cd2144	Cd2288	Co2286	Cr2677	Cu2199	Cu3247	Fe2611	K_7664
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppm
Avg	**.01420**	**-.13158**	**.07727**	**-.11620**	**-.0526**	**-.62195**	**1.0642**	**.08505**
Stddev	.02921	.06088	.06532	.15629	.8208	.10932	1.2191	.01540
%RSD	205.65	46.267	84.528	134.50	1561.	17.578	114.56	18.101
#1	.04545	-.18337	.04839	-.02615	.8691	-.51838	1.3981	.08031
#2	-.01243	-.06452	.15205	-.29667	-.7046	-.61122	2.0815	.10226
#3	.00960	-.14685	.03137	-.02578	-.3223	-.73624	-.28707	.07258
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
Units	ppm	ppb	ppb	ppm	ppb	ppb	ppb	ppb
Avg	**.00588**	**.04047**	**.78203**	**-.00089**	**.41977**	**.05140**	**-.11436**	**.33205**
Stddev	.00269	.02326	.06679	.00650	.11362	1.0100	.22174	.36578
%RSD	45.769	57.485	8.5411	730.38	27.067	1965.0	193.90	110.16
#1	.00580	.01363	.78056	-.00839	.42423	.27414	-.25220	.51640
#2	.00323	.05480	.84955	.00300	.53109	.93140	-.23232	-.08922
#3	.00861	.05297	.71599	.00272	.30399	-1.0513	.14143	.56897
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: SEQ-CCB Acquired: 5/3/2011 15:30:05 Type: QC
Method: DuoEnviroMethodNEW(v2195) Mode: CONC Corr. Factor: 1.000000
User: rburr Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4215	Ti3349	Tl1908	V_2924	Zn2062
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.18008**	**.0209**	**-.03479**	**.25843**	**-.22346**	**.07272**
Stddev	.15136	.0163	.29423	.14500	.19482	.05480
%RSD	84.050	77.93	845.79	56.109	87.185	75.360
#1	.35418	.0126	-.36874	.40069	-.40286	.04563
#2	.10627	.0104	.07807	.26376	-.25130	.13580
#3	.07979	.0396	.18630	.11083	-.01621	.03675
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Sc1880	Sc3613	Sc3613-2
Units	Cts/S	Cts/S	Cts/S
Avg	1697.3	737700.	90210.
Stddev	28.6	817.	35.
%RSD	1.6856	.11078	.03874
#1	1729.2	738620.	90243.
#2	1688.4	737420.	90214.
#3	1674.1	737050.	90174.

Sample Name: SEQ-CCV Acquired: 5/3/2011 16:26:57 Type: QC
Method: DuoEnviroMethodNEW(v2195) Mode: CONC Corr. Factor: 1.000000
User: rburr Custom ID1: Custom ID2: Custom ID3:
Comment: 11E0019

Elem	Ag3280	Al3961	As1890	As1972	B_2496	Ba2335	Be3130	Ca3179
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppm
Avg	**498.71**	**9887.2**	**1030.5**	**994.85**	**1044.8**	**1008.6**	**1028.7**	**52.448**
Stddev	2.93	15.7	4.7	.57	4.4	3.9	1.2	.182
%RSD	.58798	.15842	.45454	.05711	.41868	.38902	.11780	.34764
#1	501.11	9905.1	1027.8	994.61	1049.6	1005.6	1027.5	52.463
#2	499.59	9880.7	1027.8	994.44	1043.9	1007.0	1028.7	52.258
#3	495.45	9875.9	1035.9	995.50	1041.0	1013.0	1029.9	52.622
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Elem	Cd2144	Cd2288	Co2286	Cr2677	Cu2199	Cu3247	Fe2611	K_7664
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppm
Avg	**998.14**	**1058.8**	**962.87**	**976.36**	**1018.**	**985.36**	**9863.7**	**10.179**
Stddev	2.36	5.7	3.45	1.45	5.	3.73	25.8	.030
%RSD	.23612	.53437	.35843	.14805	.4695	.37857	.26124	.29154
#1	995.68	1056.8	959.92	977.92	1024.	989.56	9838.3	10.180
#2	998.36	1054.4	962.01	975.07	1016.	982.44	9863.1	10.208
#3	1000.4	1065.2	966.67	976.08	1016.	984.07	9889.8	10.149
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
Units	ppm	ppb	ppb	ppm	ppb	ppb	ppb	ppb
Avg	**50.962**	**1060.4**	**1012.6**	**50.359**	**1001.4**	**970.33**	**985.71**	**1020.3**
Stddev	.089	2.3	6.7	.091	4.4	5.02	6.35	6.8
%RSD	.17429	.22127	.65986	.18107	.43565	.51776	.64372	.66912
#1	50.923	1062.6	1007.6	50.365	999.31	968.30	980.35	1017.3
#2	50.900	1060.7	1010.1	50.446	998.38	966.64	984.05	1015.4
#3	51.064	1057.9	1020.2	50.264	1006.4	976.05	992.71	1028.1
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Sample Name: SEQ-CCV Acquired: 5/3/2011 16:26:57 Type: QC
Method: DuoEnviroMethodNEW(v2195) Mode: CONC Corr. Factor: 1.000000
User: rburr Custom ID1: Custom ID2: Custom ID3:
Comment: 11E0019

Elem	Sn1899	Sr4215	Ti3349	Tl1908	V_2924	Zn2062
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**992.06**	**1019.**	**987.54**	**952.73**	**1006.3**	**998.45**
Stddev	4.40	2.	2.42	4.88	1.4	2.71
%RSD	.44384	.1743	.24515	.51245	.13772	.27176
#1	990.95	1017.	984.75	949.84	1007.7	996.58
#2	988.33	1021.	988.82	949.98	1006.4	997.21
#3	996.92	1020.	989.05	958.37	1004.9	1001.6
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Int. Std.	Sc1880	Sc3613	Sc3613-2
Units	Cts/S	Cts/S	Cts/S
Avg	1584.4	698190.	87948.
Stddev	7.1	2308.	51.
%RSD	.45066	.33061	.05828
#1	1590.9	695810.	87942.
#2	1585.5	698330.	88002.
#3	1576.7	700420.	87900.

Sample Name: SEQ-CCB Acquired: 5/3/2011 16:34:12 Type: QC
Method: DuoEnviroMethodNEW(v2195) Mode: CONC Corr. Factor: 1.000000
User: rburr Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	As1972	B_2496	Ba2335	Be3130	Ca3179
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppm
Avg	**.08947**	**5.5285**	**-.12110**	**-1.3035**	**2.6909**	**.28450**	**.12294**	**.00890**
Stddev	.06321	2.4905	1.4003	.6160	.1814	.07513	.09270	.00457
%RSD	70.651	45.048	1156.3	47.258	6.7423	26.407	75.403	51.306
#1	.14293	2.8333	1.2124	-.59340	2.7511	.26925	.02187	.00422
#2	.10579	7.7447	.00401	-1.6946	2.8345	.36609	.14293	.00914
#3	.01970	6.0074	-1.5798	-1.6224	2.4870	.21817	.20400	.01335
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Cd2144	Cd2288	Co2286	Cr2677	Cu2199	Cu3247	Fe2611	K_7664
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppm
Avg	**.12384**	**.29585**	**.17362**	**.23765**	**-.0819**	**.56136**	**1.6014**	**.08966**
Stddev	.02638	.03660	.05993	.04254	.3368	.04610	1.6656	.00730
%RSD	21.303	12.371	34.516	17.899	411.2	8.2125	104.01	8.1420
#1	.12174	.25402	.12431	.20670	-.1356	.52936	1.8030	.09779
#2	.15121	.31151	.24032	.22010	.2785	.54051	-.15582	.08751
#3	.09857	.32201	.15624	.28615	-.3886	.61420	3.1570	.08367
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
Units	ppm	ppb	ppb	ppm	ppb	ppb	ppb	ppb
Avg	**.01339**	**.23768**	**1.0154**	**.02985**	**.01188**	**.05918**	**.13386**	**.73934**
Stddev	.00382	.01610	.0511	.00867	.04290	.89116	.17578	.55709
%RSD	28.546	6.7750	5.0332	29.057	361.20	1506.0	131.32	75.349
#1	.01123	.24663	1.0678	.02208	.05237	-.72657	-.05975	.26715
#2	.01113	.24731	1.0128	.02825	.01633	1.0275	.28344	.59712
#3	.01780	.21909	.96573	.03921	-.03307	-.12339	.17789	1.3538
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: SEQ-CCB Acquired: 5/3/2011 16:34:12 Type: QC
Method: DuoEnviroMethodNEW(v2195) Mode: CONC Corr. Factor: 1.000000
User: rburr Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4215	Ti3349	Tl1908	V_2924	Zn2062
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.33535**	**.1208**	**.29780**	**1.3968**	**-.03906**	**.18811**
Stddev	.15138	.0965	.35391	.2995	.05147	.04357
%RSD	45.141	79.94	118.84	21.441	131.75	23.161
#1	.37436	.0150	-.04613	1.0649	.00353	.16821
#2	.46341	.1432	.27863	1.4784	-.02447	.15805
#3	.16829	.2041	.66090	1.6470	-.09625	.23807
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Sc1880	Sc3613	Sc3613-2
Units	Cts/S	Cts/S	Cts/S
Avg	1786.1	728730.	88407.
Stddev	6.3	3510.	142.
%RSD	.35413	.48173	.16015
#1	1788.3	731970.	88252.
#2	1791.0	725000.	88438.
#3	1779.0	729210.	88530.

Sample Name: 1E02013-BLK1 Acquired: 5/3/2011 16:48:11 Type: QC
Method: DuoEnviroMethodNEW(v2195) Mode: CONC Corr. Factor: 1.000000
User: rburr Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	As1972	B_2496	Ba2335	Be3130	Ca3179
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppm
Avg	**.24344**	**3.8960**	**-.04635**	**-1.9676**	**2.3780**	**.06823**	**.02077**	**.01225**
Stddev	.11952	2.4783	.81205	.4041	.1326	.02986	.00662	.00134
%RSD	49.095	63.611	1752.0	20.537	5.5758	43.767	31.872	10.965
#1	.15886	2.1155	-.77382	-2.2599	2.2264	.09401	.01325	.01295
#2	.38017	2.8461	.82974	-2.1365	2.4722	.07518	.02330	.01070
#3	.19128	6.7264	-.19497	-1.5065	2.4354	.03551	.02574	.01310
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Cd2144	Cd2288	Co2286	Cr2677	Cu2199	Cu3247	Fe2611	K_7664
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppm
Avg	**-.06410**	**.03296**	**-.00525**	**.03809**	**.1116**	**.26111**	**1.1095**	**.08802**
Stddev	.02859	.02832	.10300	.18052	.7978	.15554	1.0970	.01118
%RSD	44.608	85.920	1961.2	473.87	714.8	59.567	98.874	12.703
#1	-.04361	.06240	-.08643	.15996	.6496	.08152	-.13452	.09771
#2	-.05192	.00591	-.03993	-.16929	.4903	.34988	1.9383	.09056
#3	-.09677	.03058	.11061	.12361	-.8050	.35194	1.5248	.07578
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
Units	ppm	ppb	ppb	ppm	ppb	ppb	ppb	ppb
Avg	**.01666**	**1.7485**	**.52755**	**-.01036**	**.37898**	**-.03963**	**-.31407**	**.14711**
Stddev	.00953	.0436	.03561	.00299	.04409	.20413	.18998	1.5139
%RSD	57.217	2.4941	6.7496	28.824	11.634	515.06	60.488	1029.1
#1	.02455	1.7529	.52679	-.00894	.32916	-.20589	-.39572	.41801
#2	.00607	1.7897	.56353	-.01379	.41297	-.10120	-.09692	-1.4840
#3	.01935	1.7028	.49233	-.00835	.39480	.18819	-.44958	1.5073
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: 1E02013-BLK1 Acquired: 5/3/2011 16:48:11 Type: QC
Method: DuoEnviroMethodNEW(v2195) Mode: CONC Corr. Factor: 1.000000
User: rburr Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4215	Ti3349	TI1908	V_2924	Zn2062
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.03585**	**.0441**	**-.40557**	**1.3393**	**-.20789**	**1.1938**
Stddev	.20532	.0074	.17757	.2366	.20043	.0164
%RSD	572.64	16.76	43.784	17.664	96.411	1.3739
#1	.18659	.0484	-.20066	1.1911	-.32010	1.1922
#2	-.07604	.0356	-.51439	1.6121	-.32707	1.2110
#3	-.21811	.0483	-.50166	1.2147	.02351	1.1783
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Sc1880	Sc3613	Sc3613-2
Units	Cts/S	Cts/S	Cts/S
Avg	1828.2	767820.	90750.
Stddev	10.4	36978.	444.
%RSD	.56840	4.8160	.48893
#1	1816.7	810510.	90489.
#2	1831.2	747120.	91263.
#3	1836.8	745820.	90499.

Sample Name: 1E02013-BS1 Acquired: 5/3/2011 16:52:49 Type: QC
Method: DuoEnviroMethodNEW(v2195) Mode: CONC Corr. Factor: 1.000000
User: rburr Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	As1972	B_2496	Ba2335	Be3130
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**20.322**	**170.24**	**19.860**	F **15.883**	**82.343**	**154.83**	**4.1452**
Stddev	.166	5.41	.844	.992	.809	.63	.0373
%RSD	.81840	3.1784	4.2521	6.2477	.98305	.40468	.89907
#1	20.484	176.45	19.592	14.769	83.141	154.55	4.1706
#2	20.152	166.48	19.183	16.210	81.523	154.40	4.1024
#3	20.331	167.81	20.806	16.671	82.364	155.55	4.1626
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value				20.000			
Range				±-3.0000			

Elem	Ca3179	Cd2144	Cd2288	Co2286	Cr2677	Cu2199	Cu3247
Units	ppm	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**2.4140**	**10.270**	**10.328**	**37.872**	**16.033**	**20.36**	**20.829**
Stddev	.0150	.066	.037	.098	.274	.82	.152
%RSD	.62139	.64703	.35709	.25835	1.7111	4.021	.72795
#1	2.4198	10.202	10.366	37.825	16.314	20.80	20.959
#2	2.3970	10.272	10.325	37.808	15.765	20.86	20.867
#3	2.4252	10.335	10.292	37.985	16.019	19.41	20.663
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Fe2611	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Units	ppb	ppm	ppm	ppb	ppb	ppm	ppb
Avg	**82.973**	**2.4203**	**2.1591**	**43.281**	**74.933**	**2.3827**	**38.542**
Stddev	1.115	.0112	.0116	.338	.231	.0086	.321
%RSD	1.3439	.46174	.53871	.78019	.30778	.35930	.83251
#1	81.798	2.4296	2.1650	43.606	74.747	2.3902	38.314
#2	83.106	2.4079	2.1457	42.932	74.862	2.3845	38.403
#3	84.016	2.4233	2.1666	43.305	75.191	2.3734	38.908
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Sample Name: 1E02013-BS1 Acquired: 5/3/2011 16:52:49 Type: QC
Method: DuoEnviroMethodNEW(v2195) Mode: CONC Corr. Factor: 1.000000
User: rburr Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Pb2203	Sb2068	Se1960	Sn1899	Sr4215	Ti3349	TI1908
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**19.374**	**18.925**	**20.368**	**75.742**	**79.46**	**79.268**	**20.842**
Stddev	1.122	.970	1.134	.373	.10	.077	.471
%RSD	5.7920	5.1235	5.5664	.49226	.1241	.09668	2.2579
#1	18.090	18.179	21.675	76.031	79.57	79.352	21.322
#2	19.869	18.575	19.656	75.321	79.38	79.249	20.821
#3	20.164	20.021	19.773	75.874	79.42	79.203	20.381
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	V_2924	Zn2062
Units	ppb	ppb
Avg	**39.349**	**39.241**
Stddev	.369	.182
%RSD	.93862	.46294
#1	39.543	39.249
#2	38.923	39.056
#3	39.581	39.419
Check ?	Chk Pass	Chk Pass
Value		
Range		

Int. Std.	Sc1880	Sc3613	Sc3613-2
Units	Cts/S	Cts/S	Cts/S
Avg	1765.8	737410.	90644.
Stddev	5.3	4763.	356.
%RSD	.29819	.64596	.39248
#1	1768.2	733540.	90650.
#2	1769.4	742730.	90997.
#3	1759.7	735970.	90285.

Sample Name: 1104209-14 Acquired: 5/3/2011 16:59:17 Type: Unk
Method: DuoEnviroMethodNEW(v2195) Mode: CONC Corr. Factor: 1.000000
User: rburr Custom ID1: Custom ID2: Custom ID3:
Comment: TETRA /4X

Elem	Ag3280	Al3961	As1890	As1972	B_2496	Ba2335	Be3130	Ca3179
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppm
Avg	**.12885**	**23.157**	**.73872**	**-1.2699**	**2.3543**	**.52627**	**-.00413**	**.13843**
Stddev	.11816	5.374	.74755	2.3969	.2146	.02180	.00481	.00143
%RSD	91.702	23.205	101.20	188.74	9.1133	4.1428	116.61	1.0351
#1	.10777	27.369	-.09384	-1.3547	2.6021	.50926	-.00967	.13935
#2	.02265	24.997	1.3524	1.1682	2.2325	.51871	-.00175	.13917
#3	.25613	17.105	.95761	-3.6233	2.2284	.55085	-.00097	.13678

Elem	Cd2144	Cd2288	Co2286	Cr2677	Cu2199	Cu3247	Fe2611	K_7664
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppm
Avg	**-.03326**	**.03901**	**.06290**	**.33378**	**.5129**	**.32555**	**23.478**	**.08405**
Stddev	.01624	.13401	.10337	.13363	.4347	.11641	2.121	.00891
%RSD	48.814	343.49	164.36	40.034	84.75	35.758	9.0344	10.597
#1	-.04203	.03844	.02496	.47174	.9914	.44505	24.490	.08625
#2	-.01453	-.09471	.17988	.20495	.1422	.21250	21.040	.07425
#3	-.04322	.17331	-.01615	.32465	.4053	.31911	24.903	.09165

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
Units	ppm	ppb	ppb	ppm	ppb	ppb	ppb	ppb
Avg	**.01151**	**.78032**	**.17640**	**.02823**	**.25756**	**.48926**	**-.17473**	**.14280**
Stddev	.00648	.02742	.05400	.00583	.08637	.52457	.17391	.65042
%RSD	56.288	3.5133	30.610	20.672	33.534	107.22	99.533	455.47
#1	.00630	.81052	.16706	.02196	.17143	.82534	-.02955	.56173
#2	.01877	.77345	.23446	.03350	.34417	-.11519	-.36747	-.60650
#3	.00947	.75700	.12769	.02923	.25707	.75765	-.12716	.47318

Elem	Sn1899	Sr4215	Ti3349	Tl1908	V_2924	Zn2062
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.05982**	**.2230**	**-.06522**	**.70868**	**-.08113**	**7.8134**
Stddev	.10933	.0588	.01878	.30361	.03356	.0386
%RSD	182.75	26.36	28.791	42.842	41.367	.49370
#1	-.18455	.2908	-.04354	.64719	-.11976	7.7978
#2	.01939	.1926	-.07635	.44053	-.05915	7.8574
#3	-.01430	.1857	-.07577	1.0383	-.06448	7.7851

Sample Name: 1104209-14 Acquired: 5/3/2011 16:59:17 Type: Unk
Method: DuoEnviroMethodNEW(v2195) Mode: CONC Corr. Factor: 1.000000
User: rburr Custom ID1: Custom ID2: Custom ID3:
Comment: TETRA /4X

Int. Std.	Sc1880	Sc3613	Sc3613-2
Units	Cts/S	Cts/S	Cts/S
Avg	1787.9	741880.	89466.
Stddev	7.0	3149.	242.
%RSD	.39039	.42447	.27031
#1	1788.2	739170.	89189.
#2	1794.7	741140.	89577.
#3	1780.7	745330.	89633.

Sample Name: SEQ-CCV Acquired: 5/3/2011 17:14:09 Type: QC
Method: DuoEnviroMethodNEW(v2195) Mode: CONC Corr. Factor: 1.000000
User: rburr Custom ID1: Custom ID2: Custom ID3:
Comment: 11E0019

Elem	Ag3280	Al3961	As1890	As1972	B_2496	Ba2335	Be3130
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**499.14**	**9716.0**	**1028.2**	**1050.5**	**1013.1**	**1036.2**	**1029.2**
Stddev	12.96	32.9	1.6	2.6	29.7	1.7	4.0
%RSD	2.5959	.33896	.15975	.24688	2.9363	.16043	.39021
#1	514.11	9737.0	1026.4	1050.0	1047.5	1035.0	1032.9
#2	491.63	9733.0	1028.6	1048.3	994.84	1038.1	1029.8
#3	491.70	9678.0	1029.6	1053.4	997.09	1035.6	1025.0
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Ca3179	Cd2144	Cd2288	Co2286	Cr2677	Cu2199	Cu3247
Units	ppm	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**49.181**	F **1106.4**	**1069.8**	**1024.2**	**994.64**	**991.3**	**1041.8**
Stddev	.316	2.8	.7	2.4	30.50	26.2	30.2
%RSD	.64335	.25466	.06273	.23263	3.0659	2.639	2.9016
#1	49.538	1104.9	1069.1	1022.4	1029.8	1021.	1076.6
#2	49.071	1109.7	1070.2	1026.9	978.72	975.8	1026.6
#3	48.934	1104.7	1070.2	1023.4	975.41	976.5	1022.2
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value		1000.0					
Range		±100.00					

Elem	Fe2611	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Units	ppb	ppm	ppm	ppb	ppb	ppm	ppb
Avg	**10031.**	**9.8908**	**49.900**	**1058.1**	**1024.4**	**51.090**	**1004.4**
Stddev	41.	.0314	.293	30.9	2.0	.159	1.1
%RSD	.40938	.31778	.58656	2.9194	.19444	.31098	.11033
#1	10077.	9.8942	50.206	1093.8	1022.1	51.207	1003.3
#2	10021.	9.9204	49.873	1041.2	1025.7	51.153	1005.5
#3	9996.5	9.8578	49.622	1039.4	1025.4	50.909	1004.3
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Sample Name: SEQ-CCV Acquired: 5/3/2011 17:14:09 Type: QC
Method: DuoEnviroMethodNEW(v2195) Mode: CONC Corr. Factor: 1.000000
User: rburr Custom ID1: Custom ID2: Custom ID3:
Comment: 11E0019

Elem	Pb2203	Sb2068	Se1960	Sn1899	Sr4215	Ti3349	Tl1908
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1007.5**	**1055.0**	**1028.6**	**1011.1**	**994.9**	**972.78**	**1043.0**
Stddev	.5	.6	.8	1.2	3.8	3.75	.3
%RSD	.05453	.05351	.08117	.11645	.3849	.38548	.03285
#1	1006.9	1054.4	1029.5	1009.8	998.4	975.98	1043.3
#2	1008.0	1055.4	1028.5	1011.4	995.4	973.69	1042.6
#3	1007.5	1055.4	1027.9	1012.1	990.8	968.65	1042.9
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	V_2924	Zn2062
Units	ppb	ppb
Avg	**997.56**	**1030.5**
Stddev	30.23	1.6
%RSD	3.0303	.15351
#1	1032.5	1030.4
#2	980.76	1032.2
#3	979.47	1029.0
Check ?	Chk Pass	Chk Pass
Value		
Range		

Int. Std.	Sc1880	Sc3613	Sc3613-2
Units	Cts/S	Cts/S	Cts/S
Avg	1527.2	690760.	89614.
Stddev	2.6	19002.	526.
%RSD	.16886	2.7509	.58697
#1	1529.4	668820.	89063.
#2	1524.4	701200.	89667.
#3	1527.7	702250.	90111.

Sample Name: SEQ-CCB Acquired: 5/3/2011 17:21:24 Type: QC
Method: DuoEnviroMethodNEW(v2195) Mode: CONC Corr. Factor: 1.000000
User: rburr Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	As1972	B_2496	Ba2335	Be3130	Ca3179
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppm
Avg	**.22564**	**2.5214**	**.29464**	**-.46636**	**1.7390**	**.37513**	**.09780**	**.00382**
Stddev	.05975	2.1370	.97240	.76244	.2839	.08900	.07902	.00277
%RSD	26.479	84.756	330.03	163.49	16.328	23.725	80.803	72.670
#1	.16278	4.7612	1.1947	-.30021	1.4341	.44189	.00912	.00076
#2	.23246	.50474	.42595	-1.2982	1.9958	.40941	.12349	.00453
#3	.28168	2.2981	-.73674	.19930	1.7872	.27409	.16077	.00616
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Cd2144	Cd2288	Co2286	Cr2677	Cu2199	Cu3247	Fe2611	K_7664
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppm
Avg	**.40274**	**.29375**	**.35818**	**.24787**	**.1394**	**-.19433**	**1.5391**	**.08041**
Stddev	.16922	.07131	.16047	.21545	.2641	.06260	1.6521	.00647
%RSD	42.017	24.276	44.800	86.921	189.4	32.214	107.34	8.0467
#1	.57834	.32938	.45247	.02509	-.1404	-.14183	-.05153	.07308
#2	.38918	.34024	.44918	.26337	.3844	-.26361	1.4225	.08532
#3	.24071	.21165	.17290	.45514	.1743	-.17754	3.2464	.08285
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
Units	ppm	ppb	ppb	ppm	ppb	ppb	ppb	ppb
Avg	**.01855**	**.40175**	**1.1229**	**.01176**	**.96077**	**.57800**	**-.56340**	**.52689**
Stddev	.00635	.17598	.1307	.00585	.19942	.52011	.81805	.90257
%RSD	34.223	43.802	11.636	49.799	20.756	89.985	145.20	171.30
#1	.01123	.23759	1.2517	.00600	1.1496	.58909	.07381	1.0392
#2	.02254	.38012	1.1266	.01770	.98041	1.0925	-1.4859	-.51526
#3	.02189	.58754	.99043	.01157	.75226	.05244	-.27812	1.0567
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: SEQ-CCB Acquired: 5/3/2011 17:21:24 Type: QC
Method: DuoEnviroMethodNEW(v2195) Mode: CONC Corr. Factor: 1.000000
User: rburr Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4215	Ti3349	Tl1908	V_2924	Zn2062
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.50370**	**.0880**	**.10436**	**.65183**	**.17498**	**.42748**
Stddev	.24058	.0850	.13355	.88756	.24502	.09477
%RSD	47.761	96.57	127.96	136.16	140.03	22.170
#1	.27426	-.0070	.19797	1.4394	.09437	.50949
#2	.75405	.1569	-.04857	.82601	-.01958	.44921
#3	.48280	.1141	.16368	-.30990	.45014	.32373
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Sc1880	Sc3613	Sc3613-2
Units	Cts/S	Cts/S	Cts/S
Avg	1698.7	732890.	89414.
Stddev	10.5	326.	316.
%RSD	.62034	.04445	.35379
#1	1707.9	733170.	89054.
#2	1700.9	732970.	89542.
#3	1687.2	732530.	89647.

Sample Name: SEQ-CAL1 Acquired: 5/5/2011 10:06:58 Type: Cal
Method: DuoEnviroMethodNEW(v2195) Mode: IR Corr. Factor: 1.000000
User: rburr Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	As1972	B_2496	Ba2335	Be3130
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.00005**	**-.00021**	**-.00116**	**.00164**	**.00001**	**.00546**	**.00013**
Stddev	.00001	.00006	.00025	.00010	.00000	.00087	.00007
%RSD	21.364	27.711	21.754	6.0633	13.984	15.969	49.161
#1	.00005	-.00020	-.00143	.00153	.00002	.00448	.00013
#2	.00005	-.00026	-.00112	.00164	.00001	.00616	.00020
#3	.00004	-.00015	-.00093	.00173	.00001	.00574	.00007

Elem	Ca3179	Cd2144	Cd2288	Co2286	Cr2677	Cu2199	Cu3247
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.00031**	**.00254**	**.04131**	**.00481**	**-.00001**	**.0000**	**.00048**
Stddev	.00001	.00069	.00030	.00080	.00001	.000	.00001
%RSD	3.4564	27.043	.71917	16.571	53.892	114.6	3.0170
#1	.00032	.00291	.04159	.00390	-.00001	.0000	.00046
#2	.00032	.00296	.04135	.00541	-.00002	.0000	.00049
#3	.00030	.00175	.04100	.00511	-.00002	.0000	.00048

Elem	Fe2611	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.00004**	**-.00148**	**.00001**	**.00001**	**.00065**	**.00209**	**.00599**
Stddev	.00001	.00006	.00001	.00000	.00009	.00030	.00078
%RSD	20.075	3.8147	61.578	26.028	13.277	14.404	13.000
#1	.00004	-.00143	.00000	.00001	.00063	.00242	.00686
#2	.00004	-.00147	.00001	.00001	.00058	.00200	.00536
#3	.00003	-.00154	.00001	.00001	.00075	.00184	.00576

Elem	Pb2203	Sb2068	Se1960	Sn1899	Sr4215	Ti3349	Tl1908
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.00073**	**-.00115**	**.00151**	**-.00052**	**-.0003**	**.00025**	**-.00103**
Stddev	.00027	.00038	.00022	.00031	.0000	.00001	.00061
%RSD	36.744	33.195	14.362	59.526	13.21	3.9134	59.389
#1	.00082	-.00123	.00172	-.00021	-.0004	.00025	-.00172
#2	.00043	-.00073	.00154	-.00051	-.0003	.00024	-.00079
#3	.00093	-.00148	.00129	-.00083	-.0003	.00026	-.00057

Sample Name: SEQ-CAL1 Acquired: 5/5/2011 10:06:58 Type: Cal
Method: DuoEnviroMethodNEW(v2195) Mode: IR Corr. Factor: 1.000000
User: rburr Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	V_2924	Zn2062
Units	Cts/S	Cts/S
Avg	.00005	-.00009
Stddev	.00000	.00017
%RSD	3.4698	185.37
#1	.00005	-.00018
#2	.00005	.00010
#3	.00005	-.00020

Int. Std.	Sc1880	Sc3613	Sc3613-2
Units	Cts/S	Cts/S	Cts/S
Avg	1738.7	713220.	89036.
Stddev	13.2	14119.	670.
%RSD	.75798	1.9796	.75302
#1	1740.2	726260.	89639.
#2	1724.9	698230.	88314.
#3	1751.1	715170.	89154.

Sample Name: SEQ-CAL3 Acquired: 5/5/2011 10:16:35 Type: Cal
Method: DuoEnviroMethodNEW(v2195) Mode: IR Corr. Factor: 1.000000
User: rburr Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	As1972	B_2496	Ba2335	Be3130	Ca3179
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.02759**	**.20519**	**.39463**	**.31546**	**.01559**	**12.680**	**2.7706**	**2.2926**
Stddev	.00010	.00022	.00605	.00485	.00007	.189	.0061	.0039
%RSD	.37980	.10842	1.5342	1.5375	.41973	1.4870	.21961	.16966
#1	.02754	.20543	.39721	.31693	.01557	12.769	2.7763	2.2947
#2	.02751	.20514	.39896	.31940	.01554	12.807	2.7713	2.2951
#3	.02770	.20499	.38771	.31004	.01567	12.463	2.7642	2.2882

Elem	Cd2144	Cd2288	Co2286	Cr2677	Cu2199	Cu3247	Fe2611	K_7664
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**15.131**	**10.086**	**5.6994**	**.03626**	**.0022**	**.07888**	**.13071**	**.10947**
Stddev	.226	.151	.0826	.00013	.0000	.00047	.00045	.00039
%RSD	1.4963	1.4987	1.4501	.36009	.2809	.59804	.34053	.36045
#1	15.252	10.158	5.7426	.03624	.0022	.07903	.13100	.10989
#2	15.272	10.187	5.7515	.03615	.0022	.07836	.13094	.10942
#3	14.870	9.9119	5.6041	.03640	.0022	.07926	.13020	.10911

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.08198**	**.25155**	**4.5820**	**2.1460**	**3.6117**	**1.3381**	**.74192**	**.46908**
Stddev	.00015	.00085	.0690	.0077	.0549	.0204	.01023	.00659
%RSD	.18245	.33705	1.5060	.35870	1.5203	1.5264	1.3788	1.4053
#1	.08215	.25123	4.6114	2.1511	3.6371	1.3497	.74816	.47250
#2	.08192	.25091	4.6314	2.1497	3.6493	1.3501	.74749	.47326
#3	.08187	.25251	4.5031	2.1371	3.5487	1.3145	.73012	.46148

Elem	Sn1899	Sr4215	Ti3349	Tl1908	V_2924	Zn2062
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1.3419**	**1.712**	**.21817**	**.72481**	**.04682**	**5.5336**
Stddev	.0196	.006	.00052	.01141	.00019	.0850
%RSD	1.4616	.3741	.23933	1.5743	.40127	1.5355
#1	1.3525	1.716	.21848	.73199	.04677	5.5821
#2	1.3538	1.716	.21846	.73078	.04666	5.5831
#3	1.3192	1.705	.21757	.71165	.04703	5.4355

Sample Name: SEQ-CAL3 Acquired: 5/5/2011 10:16:35 Type: Cal
Method: DuoEnviroMethodNEW(v2195) Mode: IR Corr. Factor: 1.000000
User: rburr Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Sc1880	Sc3613	Sc3613-2
Units	Cts/S	Cts/S	Cts/S
Avg	1514.9	671070.	86779.
Stddev	22.6	1742.	160.
%RSD	1.4888	.25951	.18492
#1	1504.9	671320.	86655.
#2	1499.1	672680.	86722.
#3	1540.7	669220.	86960.

Sample Name: SEQ-CAL4 Acquired: 5/5/2011 10:21:14 Type: Cal
Method: DuoEnviroMethodNEW(v2195) Mode: IR Corr. Factor: 1.000000
User: rburr Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Ba2335	Mn2576
Units	Cts/S	Cts/S	Cts/S
Avg	**.11343**	**61.666**	**2.3562**
Stddev	.00048	.246	.0181
%RSD	.42352	.39817	.76858
#1	.11376	61.815	2.3652
#2	.11365	61.800	2.3680
#3	.11288	61.382	2.3353

Int. Std.	Sc1880	Sc3613
Units	Cts/S	Cts/S
Avg	1722.9	707080.
Stddev	6.7	4519.
%RSD	.39071	.63906
#1	1721.0	704160.
#2	1717.3	704780.
#3	1730.4	712280.

Sample Name: SEQ-CAL5 Acquired: 5/5/2011 10:26:31 Type: Cal
Method: DuoEnviroMethodNEW(v2195) Mode: IR Corr. Factor: 1.000000
User: rburr Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	Fe2611	Mg2790
Units	Cts/S	Cts/S	Cts/S
Avg	**10.433**	**6.3417**	**.88751**
Stddev	.345	.0851	.00480
%RSD	3.3048	1.3419	.54032
#1	10.829	6.4386	.89211
#2	10.272	6.3074	.88789
#3	10.198	6.2791	.88254

Int. Std.	Sc3613-2
Units	Cts/S
Avg	83011.
Stddev	404.
%RSD	.48646
#1	82567.
#2	83112.
#3	83356.

Sample Name: SEQ-CAL6 Acquired: 5/5/2011 10:31:30 Type: Cal
Method: DuoEnviroMethodNEW(v2195) Mode: IR Corr. Factor: 1.000000
User: rburr Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	As1972	B_2496	Be3130	Cd2144	Cd2288	Co2286	Cr2677
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**3.8402**	**3.0208**	.07721	**25.907**	**142.26**	**93.933**	**56.437**	**.36855**
Stddev	.0084	.0051	.00068	.284	.20	.146	.076	.00371
%RSD	.21973	.16970	.87754	1.0960	.13723	.15518	.13482	1.0076
#1	3.8403	3.0212	.07643	25.839	142.26	93.783	56.504	.36447
#2	3.8486	3.0257	.07751	26.219	142.06	93.941	56.452	.37173
#3	3.8317	3.0154	.07769	25.663	142.45	94.074	56.355	.36944

Elem	Cu2199	Cu3247	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Sn1899
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.0227**	**.76674**	**45.058**	**36.004**	**13.338**	**7.1634**	**4.5249**	**6.6322**
Stddev	.0002	.00597	.037	.010	.007	.0274	.0052	.0132
%RSD	.9780	.77834	.08313	.02882	.05301	.38311	.11427	.19912
#1	.0225	.76409	45.054	36.006	13.337	7.1689	4.5190	6.6215
#2	.0229	.77357	45.098	35.993	13.346	7.1877	4.5275	6.6281
#3	.0228	.76255	45.023	36.014	13.332	7.1336	4.5283	6.6469

Elem	Sr4215	Ti3349	Tl1908	V_2924	Zn2062
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**16.70**	**2.1809**	**7.0269**	**.47619**	**53.874**
Stddev	.15	.0065	.0132	.00429	.060
%RSD	.8771	.29957	.18819	.90007	.11085
#1	16.56	2.1807	7.0276	.47135	53.940
#2	16.69	2.1875	7.0398	.47951	53.823
#3	16.85	2.1745	7.0134	.47771	53.861

Int. Std.	Sc1880	Sc3613	Sc3613-2
Units	Cts/S	Cts/S	Cts/S
Avg	1553.9	680640.	87590.
Stddev	1.3	5766.	418.
%RSD	.08350	.84715	.47669
#1	1552.7	686910.	87650.
#2	1553.8	675570.	87146.
#3	1555.3	679430.	87974.

Sample Name: SEQ-CAL2 Acquired: 5/5/2011 11:07:28 Type: Cal
Method: DuoEnviroMethodNEW(v2195) Mode: IR Corr. Factor: 1.000000
User: rburr Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	As1972	B_2496	Ba2335	Be3130	Ca3179
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.00115	.09866	.03561	.02869	.00078	.60235	.27062	.05332
Stddev	.00001	.00030	.00026	.00010	.00001	.00200	.00060	.00034
%RSD	1.2319	.30839	.74027	.36376	.75561	.33187	.22169	.62831
#1	.00113	.09897	.03588	.02871	.00077	.60384	.27104	.05368
#2	.00115	.09865	.03535	.02879	.00077	.60008	.27089	.05326
#3	.00116	.09836	.03562	.02858	.00078	.60312	.26993	.05302

Elem	Cd2144	Cd2288	Co2286	Cr2677	Cu2199	Cu3247	Fe2611	K_7664
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1.4687	.97740	.53302	.00371	.0002	.00795	.06593	.00972
Stddev	.0072	.00197	.00258	.00000	.0000	.00004	.00008	.00013
%RSD	.48650	.20161	.48445	.08858	.5994	.53578	.12034	1.3671
#1	1.4747	.97963	.53597	.00371	.0002	.00791	.06585	.00986
#2	1.4608	.97592	.53117	.00371	.0002	.00794	.06601	.00960
#3	1.4706	.97664	.53192	.00371	.0002	.00800	.06593	.00971

Elem	Mn2576	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Sn1899	Sr4215
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.02622	.43388	.35686	.12840	.06477	.04427	.06321	.1696
Stddev	.00002	.00067	.00083	.00044	.00016	.00019	.00064	.0004
%RSD	.09451	.15447	.23135	.34079	.24655	.42998	1.0143	.2382
#1	.02619	.43385	.35779	.12838	.06493	.04411	.06390	.1697
#2	.02622	.43457	.35658	.12885	.06461	.04448	.06264	.1700
#3	.02624	.43323	.35621	.12798	.06477	.04423	.06307	.1692

Elem	Ti3349	Tl1908	V_2924	Zn2062
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.02215	.06592	.00487	.52583
Stddev	.00007	.00050	.00001	.00287
%RSD	.29923	.75351	.14497	.54564
#1	.02217	.06633	.00487	.52907
#2	.02221	.06537	.00487	.52361
#3	.02208	.06607	.00486	.52482

Sample Name: SEQ-CAL2 Acquired: 5/5/2011 11:07:28 Type: Cal
Method: DuoEnviroMethodNEW(v2195) Mode: IR Corr. Factor: 1.000000
User: rburr Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Sc1880	Sc3613	Sc3613-2
Units	Cts/S	Cts/S	Cts/S
Avg	1723.8	693350.	86233.
Stddev	5.5	653.	199.
%RSD	.31746	.09420	.23118
#1	1717.6	694070.	86014.
#2	1727.9	693200.	86282.
#3	1725.8	692790.	86403.

Sample Name: SEQ-ICV Acquired: 5/5/2011 11:39:36 Type: QC
Method: DuoEnviroMethodNEW(v2199) Mode: CONC Corr. Factor: 1.000000
User: rburr Custom ID1: Custom ID2: Custom ID3:
Comment: 11E0098

Elem	Ag3280	Al3961	As1890	As1972	B_2496	Ba2335	Be3130
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**507.40**	**9678.9**	**1023.6**	**1037.8**	F **1060.3**	**1044.5**	**1043.8**
Stddev	2.40	60.0	15.3	14.0	6.3	15.0	3.5
%RSD	.47258	.61952	1.4903	1.3518	.59525	1.4348	.33109
#1	507.35	9746.3	1027.2	1033.5	1059.7	1046.8	1045.9
#2	509.82	9631.5	1036.8	1053.4	1066.9	1058.2	1039.8
#3	505.02	9659.0	1006.9	1026.4	1054.3	1028.5	1045.7
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
Value					1000.0		
Range					±50.000		

Elem	Ca3179	Cd2144	Cd2288	Co2286	Cr2677	Cu2199	Cu3247
Units	ppm	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**49.994**	F **1062.3**	F **1080.9**	**1013.0**	**963.63**	**989.2**	**1027.6**
Stddev	.285	16.9	17.8	12.7	6.19	9.2	7.0
%RSD	.56933	1.5885	1.6430	1.2577	.64230	.9254	.68375
#1	50.323	1070.0	1085.0	1013.8	963.36	990.1	1029.8
#2	49.830	1074.0	1096.3	1025.4	969.96	997.9	1033.3
#3	49.830	1043.0	1061.5	999.96	957.59	979.6	1019.8
Check ?	Chk Pass	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value		1000.0	1000.0				
Range		±50.000	±50.000				

Elem	Fe2611	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Units	ppb	ppm	ppm	ppb	ppb	ppm	ppb
Avg	**10091.**	F **9.1351**	**47.917**	F **1065.9**	**1029.8**	**51.895**	**991.34**
Stddev	45.	.0442	.226	6.9	15.9	.126	15.25
%RSD	.44625	.48354	.47131	.64341	1.5468	.24353	1.5383
#1	10099.	9.1843	48.176	1065.6	1031.4	52.002	994.64
#2	10042.	9.0989	47.766	1072.9	1044.8	51.756	1004.7
#3	10131.	9.1220	47.808	1059.2	1013.1	51.926	974.71
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value		10.000		1000.0			
Range		±-.50000		±50.000			

Sample Name: SEQ-ICV Acquired: 5/5/2011 11:39:36 Type: QC
Method: DuoEnviroMethodNEW(v2199) Mode: CONC Corr. Factor: 1.000000
User: rburr Custom ID1: Custom ID2: Custom ID3:
Comment: 11E0098

Elem	Pb2203	Sb2068	Se1960	Sn1899	Sr4215	Ti3349	Tl1908
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**998.25**	**1039.6**	**1015.7**	**997.61**	**1014.**	**1003.8**	**1017.8**
Stddev	13.52	15.8	15.6	14.16	4.	3.9	11.4
%RSD	1.3546	1.5235	1.5340	1.4197	.3695	.38986	1.1241
#1	1000.8	1037.6	1016.6	999.90	1016.	1006.6	1015.2
#2	1010.3	1056.4	1030.8	1010.5	1010.	999.31	1030.4
#3	983.64	1024.9	999.69	982.44	1016.	1005.5	1007.9
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	V_2924	Zn2062
Units	ppb	ppb
Avg	**985.59**	**1026.2**
Stddev	6.17	14.4
%RSD	.62575	1.3992
#1	986.12	1030.9
#2	991.48	1037.6
#3	979.18	1010.1
Check ?	Chk Pass	Chk Pass
Value		
Range		

Int. Std.	Sc1880	Sc3613	Sc3613-2
Units	Cts/S	Cts/S	Cts/S
Avg	1524.0	673670.	86567.
Stddev	19.0	3852.	406.
%RSD	1.2436	.57185	.46922
#1	1522.0	674440.	86101.
#2	1506.1	669490.	86850.
#3	1543.8	677080.	86749.

Sample Name: SEQ-ICB Acquired: 5/5/2011 11:46:56 Type: QC
Method: DuoEnviroMethodNEW(v2199) Mode: CONC Corr. Factor: 1.000000
User: rburr Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	As1972	B_2496	Ba2335	Be3130	Ca3179
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppm
Avg	**-.06128**	**2.7929**	**.51287**	**-.66947**	**.97991**	**.07561**	**.16708**	**.00885**
Stddev	.10476	4.4465	.65671	.34784	.07523	.01791	.10320	.00551
%RSD	170.97	159.21	128.05	51.957	7.6770	23.689	61.770	62.212
#1	-.09359	2.3597	1.2451	-1.0655	.89314	.07245	.06837	.00366
#2	-.14607	7.4401	-.02402	-.52957	1.0267	.09488	.15861	.00827
#3	.05584	-1.4211	.31756	-.41337	1.0199	.05948	.27425	.01462
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Cd2144	Cd2288	Co2286	Cr2677	Cu2199	Cu3247	Fe2611	K_7664
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppm
Avg	**.06781**	**.03388**	**.01868**	**.23813**	**.0739**	**-.43432**	**1.7612**	**-.00695**
Stddev	.03021	.04509	.09501	.11629	.4166	.23203	.6821	.01364
%RSD	44.559	133.08	508.55	48.833	563.4	53.424	38.730	196.15
#1	.06036	-.00590	.03174	.32839	.4607	-.20015	1.4540	-.01390
#2	.04201	.02468	.10649	.27910	-.3671	-.43865	1.2867	-.01573
#3	.10105	.08287	-.08218	.10690	.1282	-.66415	2.5429	.00876
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
Units	ppm	ppb	ppb	ppm	ppb	ppb	ppb	ppb
Avg	**.00792**	**.10518**	**.90426**	**.02961**	**.49827**	**.00592**	**.10586**	**-.05232**
Stddev	.01198	.02940	.14603	.00458	.10972	.40106	.49541	.58194
%RSD	151.37	27.950	16.149	15.460	22.020	6769.3	467.97	1112.3
#1	-.00269	.13890	1.0643	.03490	.53980	-.15415	.65866	.55658
#2	.00552	.09176	.77825	.02706	.58117	.46230	-.04307	-.60291
#3	.02092	.08489	.87023	.02688	.37385	-.29037	-.29799	-.11062
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: SEQ-ICB Acquired: 5/5/2011 11:46:56 Type: QC
Method: DuoEnviroMethodNEW(v2199) Mode: CONC Corr. Factor: 1.000000
User: rburr Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4215	Ti3349	Tl1908	V_2924	Zn2062
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.34781**	**.0908**	**.49603**	**-.22071**	**.07949**	**.01010**
Stddev	.26104	.1476	.34866	.55971	.18869	.17942
%RSD	75.052	162.5	70.290	253.60	237.36	1775.6
#1	.04880	-.0441	.10618	-.86342	.27272	-.19365
#2	.46438	.0681	.60393	.04173	-.10431	.07952
#3	.53027	.2485	.77798	.15957	.07007	.14445
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Sc1880	Sc3613	Sc3613-2
Units	Cts/S	Cts/S	Cts/S
Avg	1703.7	714420.	88323.
Stddev	13.8	1191.	105.
%RSD	.80858	.16675	.11927
#1	1717.4	713260.	88428.
#2	1703.8	715640.	88217.
#3	1689.9	714380.	88323.

Sample Name: SEQ-CRL Acquired: 5/5/2011 11:51:42 Type: QC
Method: DuoEnviroMethodNEW(v2199) Mode: CONC Corr. Factor: 1.000000
User: rburr Custom ID1: Custom ID2: Custom ID3:
Comment: RLSTDA

Elem	Ag3280	Al3961	As1890	As1972	B_2496	Ba2335	Be3130
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1.9335**	**99.674**	F **7.2531**	**5.8528**	**.77397**	**10.606**	**2.2872**
Stddev	.0751	1.858	1.7344	1.6776	.18179	.169	.0152
%RSD	3.8815	1.8637	23.913	28.663	23.488	1.5968	.66533
#1	1.9246	100.97	5.2531	4.9401	.97120	10.666	2.2699
#2	2.0126	100.50	8.1613	7.7888	.61313	10.738	2.2934
#3	1.8633	97.547	8.3447	4.8293	.73758	10.415	2.2984
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	None	Chk Pass	Chk Pass
Value			6.0000				
Range			±1.2000				

Elem	Ca3179	Cd2144	Cd2288	Co2286	Cr2677	Cu2199	Cu3247
Units	ppm	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1.9232**	**2.1025**	**2.1009**	**10.237**	**4.1298**	**7.572**	**7.9041**
Stddev	.0048	.0276	.0389	.174	.0855	.662	.1251
%RSD	.25130	1.3137	1.8510	1.7015	2.0700	8.740	1.5827
#1	1.9287	2.0771	2.1160	10.245	4.0533	8.081	8.0259
#2	1.9195	2.1319	2.0567	10.407	4.2221	7.812	7.9106
#3	1.9214	2.0986	2.1299	10.059	4.1140	6.824	7.7759
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Fe2611	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Units	ppb	ppm	ppm	ppb	ppb	ppm	ppb
Avg	**65.221**	**2.8013**	**2.7312**	**6.5359**	**10.232**	**3.0843**	**6.2814**
Stddev	1.316	.0174	.0043	.0250	.144	.0115	.2422
%RSD	2.0183	.62226	.15909	.38220	1.4049	.37163	3.8556
#1	63.743	2.8118	2.7342	6.5647	10.248	3.0726	6.1745
#2	65.650	2.8109	2.7332	6.5207	10.368	3.0848	6.5586
#3	66.268	2.7812	2.7262	6.5223	10.082	3.0955	6.1110
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Sample Name: SEQ-CRL Acquired: 5/5/2011 11:51:42 Type: QC
Method: DuoEnviroMethodNEW(v2199) Mode: CONC Corr. Factor: 1.000000
User: rburr Custom ID1: Custom ID2: Custom ID3:
Comment: RLSTDA

Elem	Pb2203	Sb2068	Se1960	Sn1899	Sr4215	Ti3349	Tl1908
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**2.9787**	**7.9529**	**6.5533**	**19.903**	**6.058**	**10.560**	**4.5920**
Stddev	.5015	.6976	1.2854	.423	.054	.216	.2477
%RSD	16.837	8.7719	19.614	2.1232	.8894	2.0488	5.3933
#1	2.5246	7.2011	7.8098	19.446	6.011	10.637	4.6505
#2	3.5170	8.5793	5.2410	20.278	6.046	10.316	4.3204
#3	2.8945	8.0783	6.6091	19.986	6.117	10.728	4.8052
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	V_2924	Zn2062
Units	ppb	ppb
Avg	**9.7769**	**10.145**
Stddev	.0886	.207
%RSD	.90648	2.0394
#1	9.6829	10.199
#2	9.8590	10.320
#3	9.7887	9.9168
Check ?	Chk Pass	Chk Pass
Value		
Range		

Int. Std.	Sc1880	Sc3613	Sc3613-2
Units	Cts/S	Cts/S	Cts/S
Avg	1658.3	715250.	88668.
Stddev	20.3	3281.	310.
%RSD	1.2254	.45870	.34952
#1	1656.7	713200.	88415.
#2	1638.8	713510.	89014.
#3	1679.4	719030.	88574.

Sample Name: SEQ-IFA Acquired: 5/5/2011 12:01:12 Type: Unk
Method: DuoEnviroMethodNEW(v2199) Mode: CONC Corr. Factor: 1.000000
User: rburr Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	As1972	B_2496	Ba2335	Be3130
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.50886**	**506600.**	**.40516**	**-6.3439**	**6.5329**	**1.9995**	**.02129**
Stddev	.07422	6022.	1.2586	2.4040	1.7444	.2899	.02553
%RSD	14.586	1.1886	310.65	37.894	26.702	14.498	119.88
#1	-.45321	506960.	-.19414	-7.2208	5.6190	1.9216	.04418
#2	-.48024	512430.	1.8514	-8.1863	5.4353	2.3204	.02594
#3	-.59313	500400.	-.44180	-3.6246	8.5443	1.7565	-.00623

Elem	Ca3179	Cd2144	Cd2288	Co2286	Cr2677	Cu2199	Cu3247
Units	ppm	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**453.62**	**-.85263**	**-1.2182**	**.74670**	**-1.3121**	**-5.263**	**-4.2397**
Stddev	2.67	.17628	.0719	.53346	.1489	1.415	.1190
%RSD	.58754	20.675	5.9001	71.442	11.347	26.89	2.8068
#1	451.46	-.86682	-1.1352	1.1311	-1.1545	-6.229	-4.1330
#2	452.80	-.66969	-1.2599	.97130	-1.4504	-3.639	-4.2181
#3	456.59	-1.0214	-1.2595	.13767	-1.3315	-5.923	-4.3681

Elem	Fe2611	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Units	ppb	ppm	ppm	ppb	ppb	ppm	ppb
Avg	**199970.**	**-.05511**	**485.12**	**3.8370**	**.88847**	**.02731**	**-1.0624**
Stddev	424.	.00465	.24	.1299	.30254	.00709	.0561
%RSD	.21225	8.4284	.04908	3.3852	34.051	25.970	5.2755
#1	199740.	-.04983	485.02	3.9181	1.2084	.02923	-1.1222
#2	199720.	-.05695	484.94	3.9057	.60700	.01946	-1.0538
#3	200460.	-.05856	485.39	3.6872	.85002	.03325	-1.0111

Elem	Pb2203	Sb2068	Se1960	Sn1899	Sr4215	Ti3349	Tl1908
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**10.114**	**-2.9077**	**4.4538**	**.68578**	**-4.984**	**-2.2608**	**.55241**
Stddev	.625	1.9241	2.6459	.49967	.057	.2036	1.4414
%RSD	6.1813	66.170	59.409	72.861	1.142	9.0070	260.92
#1	10.679	-4.5328	2.0776	.11211	-4.925	-2.0405	-.89629
#2	9.4425	-.78317	7.3051	.91926	-4.989	-2.2997	1.9863
#3	10.221	-3.4073	3.9786	1.0260	-5.038	-2.4422	.56720

Sample Name: SEQ-IFA Acquired: 5/5/2011 12:01:12 Type: Unk
Method: DuoEnviroMethodNEW(v2199) Mode: CONC Corr. Factor: 1.000000
User: rburr Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	V_2924	Zn2062
Units	ppb	ppb
Avg	**-.04411**	**8.6108**
Stddev	.10185	.2218
%RSD	230.91	2.5759
#1	-.04245	8.4046
#2	.05690	8.8454
#3	-.14678	8.5823

Int. Std.	Sc1880	Sc3613	Sc3613-2
Units	Cts/S	Cts/S	Cts/S
Avg	1139.3	616450.	83340.
Stddev	12.5	7248.	142.
%RSD	1.0936	1.1758	.16979
#1	1134.6	612390.	83204.
#2	1129.8	612150.	83330.
#3	1153.4	624820.	83486.

Sample Name: SEQ-IFB Acquired: 5/5/2011 12:17:58 Type: QC
Method: DuoEnviroMethodNEW(v2199) Mode: CONC Corr. Factor: 1.000000
User: rburr Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	As1972	B_2496	Ba2335	Be3130
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**185.72**	**455060.**	**104.51**	**99.707**	**4.7186**	**510.25**	**460.13**
Stddev	.31	7291.	2.07	3.070	.3985	1.14	.90
%RSD	.16622	1.6021	1.9791	3.0787	8.4448	.22280	.19503
#1	185.58	451950.	104.42	96.243	4.6461	509.18	459.78
#2	186.07	463390.	106.63	100.79	4.3613	510.13	459.46
#3	185.50	449840.	102.49	102.09	5.1483	511.45	461.15
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass
Value							
Range							

Elem	Ca3179	Cd2144	Cd2288	Co2286	Cr2677	Cu2199	Cu3247
Units	ppm	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**424.19**	**975.02**	**1092.0**	**469.90**	**415.32**	**413.8**	**480.11**
Stddev	1.52	2.63	3.8	1.63	2.21	1.9	.44
%RSD	.35731	.26992	.34988	.34778	.53260	.4472	.09187
#1	423.23	973.94	1089.2	468.18	412.91	413.6	480.61
#2	423.40	973.10	1090.5	470.11	417.27	415.8	479.79
#3	425.94	978.02	1096.4	471.42	415.77	412.2	479.92
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Fe2611	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Units	ppb	ppm	ppm	ppb	ppb	ppm	ppb
Avg	**181200.**	**-.06412**	**444.40**	**448.40**	**.46813**	**.03868**	**898.28**
Stddev	636.	.00531	1.27	1.88	.15066	.01426	3.34
%RSD	.35092	8.2891	.28473	.42013	32.184	36.872	.37217
#1	181130.	-.05962	443.02	446.68	.59827	.05364	895.86
#2	180590.	-.06274	444.66	450.41	.30308	.02523	896.89
#3	181860.	-.06998	445.51	448.11	.50303	.03717	902.09
Check ?	Chk Pass	None	Chk Pass	Chk Pass	None	None	Chk Pass
Value							
Range							

Sample Name: SEQ-IFB Acquired: 5/5/2011 12:17:58 Type: QC
Method: DuoEnviroMethodNEW(v2199) Mode: CONC Corr. Factor: 1.000000
User: rburr Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Pb2203	Sb2068	Se1960	Sn1899	Sr4215	Ti3349	Tl1908
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**53.329**	**636.30**	**54.517**	**.03176**	**-4.780**	**-.68750**	**90.191**
Stddev	1.839	3.50	1.372	.36023	.044	.07694	1.217
%RSD	3.4483	.55033	2.5160	1134.1	.9223	11.191	1.3493
#1	52.868	633.33	53.122	-.22043	-4.773	-.65966	90.121
#2	51.764	635.42	55.864	.44433	-4.739	-.62835	91.441
#3	55.354	640.16	54.564	-.12860	-4.827	-.77448	89.010
Check ?	Chk Pass	Chk Pass	Chk Pass	None	None	None	Chk Pass
Value							
Range							

Elem	V_2924	Zn2062
Units	ppb	ppb
Avg	**416.90**	**959.94**
Stddev	2.48	2.50
%RSD	.59395	.25992
#1	414.33	957.32
#2	419.27	960.21
#3	417.09	962.29
Check ?	Chk Pass	Chk Pass
Value		
Range		

Int. Std.	Sc1880	Sc3613	Sc3613-2
Units	Cts/S	Cts/S	Cts/S
Avg	1200.7	613830.	83042.
Stddev	4.7	2517.	220.
%RSD	.39411	.41007	.26544
#1	1205.8	616460.	83294.
#2	1199.8	611450.	82946.
#3	1196.5	613570.	82886.

Sample Name: SEQ-CCV Acquired: 5/5/2011 12:28:29 Type: QC
Method: DuoEnviroMethodNEW(v2199) Mode: CONC Corr. Factor: 1.000000
User: rburr Custom ID1: Custom ID2: Custom ID3:
Comment: 11E0099

Elem	Ag3280	Al3961	As1890	As1972	B_2496	Ba2335	Be3130
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**487.89**	**9527.8**	**1035.2**	**1094.8**	**989.17**	**1055.0**	**1079.1**
Stddev	3.75	21.1	16.5	18.7	7.95	18.4	2.3
%RSD	.76772	.22185	1.5929	1.7109	.80377	1.7463	.21016
#1	485.90	9542.9	1031.0	1088.1	986.15	1050.1	1076.8
#2	485.55	9503.7	1053.3	1115.9	983.17	1075.4	1079.0
#3	492.21	9536.8	1021.2	1080.3	998.18	1039.6	1081.3
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Ca3179	Cd2144	Cd2288	Co2286	Cr2677	Cu2199	Cu3247
Units	ppm	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**48.089**	**1055.3**	**1083.1**	**1060.3**	**992.99**	**964.7**	**1059.2**
Stddev	.091	20.1	19.3	18.1	8.74	5.2	10.2
%RSD	.18973	1.9036	1.7845	1.7062	.88055	.5376	.95972
#1	48.190	1053.0	1077.4	1057.4	985.86	958.7	1054.7
#2	48.012	1076.4	1104.7	1079.7	990.37	967.5	1052.1
#3	48.065	1036.4	1067.3	1043.9	1002.7	967.9	1070.8
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Fe2611	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Units	ppb	ppm	ppm	ppb	ppb	ppm	ppb
Avg	**10462.**	**9.7151**	**47.505**	**1045.1**	**1029.7**	**52.603**	**1007.7**
Stddev	18.	.0459	.083	8.2	17.8	.182	18.9
%RSD	.17037	.47293	.17414	.78134	1.7331	.34688	1.8743
#1	10442.	9.7431	47.473	1039.4	1024.3	52.706	1005.0
#2	10474.	9.6620	47.442	1041.5	1049.6	52.392	1027.8
#3	10470.	9.7400	47.598	1054.5	1015.2	52.711	990.29
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Sample Name: SEQ-CCV Acquired: 5/5/2011 12:28:29 Type: QC
Method: DuoEnviroMethodNEW(v2199) Mode: CONC Corr. Factor: 1.000000
User: rburr Custom ID1: Custom ID2: Custom ID3:
Comment: 11E0099

Elem	Pb2203	Sb2068	Se1960	Sn1899	Sr4215	Ti3349	Tl1908
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1034.3**	F **1112.6**	**1054.7**	**1041.6**	**1022.**	**1001.3**	F **1129.4**
Stddev	17.9	18.0	19.3	19.7	3.	2.8	19.0
%RSD	1.7287	1.6147	1.8345	1.8900	.2624	.28054	1.6825
#1	1030.8	1106.9	1046.0	1037.8	1021.	998.83	1123.2
#2	1053.6	1132.7	1076.9	1062.8	1020.	1000.6	1150.8
#3	1018.4	1098.2	1041.3	1024.0	1025.	1004.3	1114.4
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value		1000.0					1000.0
Range		±100.00					±100.00

Elem	V_2924	Zn2062
Units	ppb	ppb
Avg	**968.57**	**1042.3**
Stddev	8.69	20.3
%RSD	.89721	1.9521
#1	961.77	1040.5
#2	965.58	1063.5
#3	978.36	1022.9
Check ?	Chk Pass	Chk Pass
Value		
Range		

Int. Std.	Sc1880	Sc3613	Sc3613-2
Units	Cts/S	Cts/S	Cts/S
Avg	1467.4	677490.	87082.
Stddev	18.2	5444.	122.
%RSD	1.2408	.80349	.13958
#1	1473.7	680950.	86958.
#2	1446.9	680300.	87201.
#3	1481.6	671210.	87087.

Sample Name: SEQ-CCB Acquired: 5/5/2011 12:35:43 Type: QC
Method: DuoEnviroMethodNEW(v2199) Mode: CONC Corr. Factor: 1.000000
User: rburr Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	As1972	B_2496	Ba2335	Be3130	Ca3179
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppm
Avg	**.00106**	**.28907**	**.83289**	**-.45231**	**1.1043**	**.09682**	**.06556**	**.00611**
Stddev	.09732	2.9162	.83625	.87296	.0276	.07336	.06529	.00333
%RSD	9166.0	1008.8	100.40	193.00	2.4960	75.766	99.601	54.530
#1	.10373	-1.3404	.13217	-.15505	1.1043	.16542	.00460	.00275
#2	-.01071	-1.4482	.60788	.23320	1.1318	.10555	.05761	.00617
#3	-.08984	3.6558	1.7586	-1.4351	1.0767	.01949	.13446	.00941
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Cd2144	Cd2288	Co2286	Cr2677	Cu2199	Cu3247	Fe2611	K_7664
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppm
Avg	**.05837**	**-.01040**	**.02895**	**.15422**	**-.0204**	**-.23967**	**1.6465**	**-.00277**
Stddev	.01311	.04416	.08534	.14468	.3425	.10041	.6485	.00616
%RSD	22.463	424.41	294.76	93.810	1682.	41.895	39.385	222.71
#1	.07253	.03139	.08784	.10822	.3270	-.32068	2.3705	-.00964
#2	.05593	-.05659	-.06891	.03814	-.0303	-.27099	1.4501	-.00091
#3	.04665	-.00602	.06793	.31631	-.3578	-.12733	1.1190	.00225
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
Units	ppm	ppb	ppb	ppm	ppb	ppb	ppb	ppb
Avg	**.00511**	**.14096**	**.74157**	**.02210**	**.48356**	**.10277**	**.51613**	**1.0457**
Stddev	.00740	.00260	.12284	.01790	.03579	.40153	.83977	.8004
%RSD	144.90	1.8464	16.564	81.006	7.4006	390.71	162.70	76.542
#1	.00424	.13874	.82726	.00242	.52485	.12723	-.00856	1.1270
#2	-.00182	.14032	.60084	.03741	.46162	.49151	1.4847	1.8023
#3	.01290	.14382	.79662	.02646	.46421	-.31043	.07227	.20774
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: SEQ-CCB Acquired: 5/5/2011 12:35:43 Type: QC
Method: DuoEnviroMethodNEW(v2199) Mode: CONC Corr. Factor: 1.000000
User: rburr Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4215	Ti3349	Tl1908	V_2924	Zn2062
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.07006**	**.0708**	**.24799**	**.22916**	**.15481**	**.11848**
Stddev	.14259	.0754	.14295	.44092	.07790	.07350
%RSD	203.54	106.5	57.643	192.41	50.320	62.031
#1	-.04953	-.0063	.17705	-.21488	.07574	.12163
#2	.22786	.0743	.15439	.23548	.23148	.04346
#3	.03184	.1444	.41254	.66688	.15720	.19035
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Sc1880	Sc3613	Sc3613-2
Units	Cts/S	Cts/S	Cts/S
Avg	1655.8	703890.	89564.
Stddev	7.6	11604.	1463.
%RSD	.46073	1.6486	1.6339
#1	1652.8	709870.	88751.
#2	1664.4	711280.	91253.
#3	1650.1	690510.	88687.

Sample Name: 1E04007-BLK1 Acquired: 5/5/2011 12:40:39 Type: QC
Method: DuoEnviroMethodNEW(v2199) Mode: CONC Corr. Factor: 1.000000
User: rburr Custom ID1: Custom ID2: Custom ID3:
Comment: PBW050411B /4X

Elem	Ag3280	Al3961	As1890	As1972	B_2496	Ba2335	Be3130	Ca3179
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppm
Avg	**.12608**	**3.8946**	**.15871**	**-.49851**	**.92209**	**.06040**	**.09500**	**.02887**
Stddev	.14491	6.6773	.76305	.62715	.16297	.04587	.02495	.00153
%RSD	114.93	171.45	480.78	125.81	17.674	75.945	26.262	5.2861
#1	-.03485	10.956	-.68680	-.02271	.73494	.08115	.10406	.02950
#2	.24623	-2.3177	.36678	-1.2092	1.0327	.00782	.11416	.02998
#3	.16687	3.0457	.79615	-.26362	.99858	.09223	.06679	.02713
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Cd2144	Cd2288	Co2286	Cr2677	Cu2199	Cu3247	Fe2611	K_7664
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppm
Avg	**.03882**	**.00730**	**.05249**	**.26215**	**.4071**	**-.31958**	**8.2855**	**.00241**
Stddev	.04321	.06220	.02292	.22446	.1089	.07720	1.1977	.00231
%RSD	111.32	851.91	43.663	85.622	26.75	24.156	14.455	95.875
#1	-.00052	.07544	.05466	.38661	.4806	-.27999	7.7367	.00487
#2	.03190	-.04646	.07424	.39680	.4587	-.40854	9.6592	.00029
#3	.08507	-.00707	.02856	.00304	.2820	-.27021	7.4605	.00207
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
Units	ppm	ppb	ppb	ppm	ppb	ppb	ppb	ppb
Avg	**.01180**	**2.4753**	**.32857**	**.03938**	**.57081**	**.29578**	**.02997**	**1.2100**
Stddev	.00615	.0227	.09878	.01629	.12922	.74533	.79776	.5410
%RSD	52.066	.91589	30.064	41.362	22.637	251.99	2661.9	44.713
#1	.01110	2.4748	.28623	.03542	.54679	1.1542	-.50788	.59946
#2	.01827	2.4528	.44147	.02544	.71035	-.18685	.94656	1.4004
#3	.00604	2.4982	.25803	.05728	.45529	-.08000	-.34876	1.6299
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: 1E04007-BLK1 Acquired: 5/5/2011 12:40:39 Type: QC
Method: DuoEnviroMethodNEW(v2199) Mode: CONC Corr. Factor: 1.000000
User: rburr Custom ID1: Custom ID2: Custom ID3:
Comment: PBW050411B /4X

Elem	Sn1899	Sr4215	Ti3349	Tl1908	V_2924	Zn2062
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.42449**	**.1064**	**.38685**	**.20590**	**.06511**	**.94743**
Stddev	.04767	.0856	.11991	.43066	.18096	.09936
%RSD	11.230	80.41	30.997	209.16	277.92	10.488
#1	.41148	.1993	.52522	-.27674	.23158	.87667
#2	.47731	.0893	.31344	.55094	-.12749	1.0610
#3	.38467	.0308	.32188	.34351	.09125	.90459
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Sc1880	Sc3613	Sc3613-2
Units	Cts/S	Cts/S	Cts/S
Avg	1678.0	718540.	88368.
Stddev	11.1	2345.	81.
%RSD	.66100	.32636	.09207
#1	1687.2	715960.	88380.
#2	1681.2	719100.	88282.
#3	1665.7	720550.	88443.

Sample Name: 1E04007-BS1 Acquired: 5/5/2011 12:45:19 Type: QC
Method: DuoEnviroMethodNEW(v2199) Mode: CONC Corr. Factor: 1.000000
User: rburr Custom ID1: Custom ID2: Custom ID3:
Comment: LCSW050411B /4X

Elem	Ag3280	Al3961	As1890	As1972	B_2496	Ba2335	Be3130
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**19.738**	**173.61**	**19.736**	**20.311**	**76.870**	**161.70**	**4.3471**
Stddev	.026	3.53	.467	1.101	.468	.83	.0175
%RSD	.13369	2.0316	2.3663	5.4206	.60855	.51301	.40343
#1	19.766	177.53	19.614	19.387	76.447	160.95	4.3318
#2	19.736	170.71	19.342	20.017	77.373	161.56	4.3662
#3	19.713	172.57	20.252	21.529	76.790	162.59	4.3433
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Ca3179	Cd2144	Cd2288	Co2286	Cr2677	Cu2199	Cu3247
Units	ppm	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**2.2638**	**10.254**	**10.576**	**41.205**	**16.188**	**20.48**	**22.535**
Stddev	.0181	.025	.039	.117	.161	.15	.171
%RSD	.79908	.24602	.37324	.28345	.99355	.7408	.76025
#1	2.2702	10.283	10.536	41.074	16.175	20.47	22.427
#2	2.2778	10.240	10.576	41.243	16.355	20.33	22.733
#3	2.2434	10.239	10.615	41.299	16.034	20.63	22.445
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

135.290

Elem	Fe2611	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Units	ppb	ppm	ppm	ppb	ppb	ppm	ppb
Avg	F **108.17**	**2.2756**	**2.1578**	**43.302**	**77.262**	**2.5528**	**39.634**
Stddev	.83	.0184	.0148	.221	.445	.0311	.287
%RSD	.76821	.80705	.68562	.51088	.57531	1.2180	.72530
#1	108.47	2.2785	2.1591	43.256	77.070	2.5467	39.372
#2	107.23	2.2560	2.1719	43.542	76.946	2.5253	39.589
#3	108.81	2.2923	2.1424	43.107	77.771	2.5866	39.941
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	80.000						
Range	±12.000						

Sample Name: 1E04007-BS1 Acquired: 5/5/2011 12:45:19 Type: QC
Method: DuoEnviroMethodNEW(v2199) Mode: CONC Corr. Factor: 1.000000
User: rburr Custom ID1: Custom ID2: Custom ID3:
Comment: LCSW050411B /4X

115.39.

Elem	Pb2203	Sb2068	Se1960	Sn1899	Sr4215	Ti3349	Tl1908
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**20.879**	**21.241**	**20.585**	**79.243**	**80.88**	**81.737**	F **23.058**
Stddev	.489	.405	.861	.324	.05	.634	.342
%RSD	2.3415	1.9069	4.1804	.40828	.0558	.77581	1.4848
#1	20.670	21.409	19.979	79.446	80.88	82.467	22.934
#2	20.530	20.779	20.206	78.870	80.83	81.416	22.796
#3	21.438	21.535	21.570	79.412	80.92	81.327	23.446
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value							20.000
Range							±3.0000

Elem	V_2924	Zn2062
Units	ppb	ppb
Avg	**38.491**	**43.080**
Stddev	.158	.413
%RSD	.40927	.95900
#1	38.428	42.636
#2	38.671	43.151
#3	38.375	43.453
Check ?	Chk Pass	Chk Pass
Value		
Range		

Int. Std.	Sc1880	Sc3613	Sc3613-2
Units	Cts/S	Cts/S	Cts/S
Avg	1631.8	708710.	89004.
Stddev	8.5	3665.	319.
%RSD	.51807	.51706	.35877
#1	1639.5	708550.	88976.
#2	1633.1	705130.	88699.
#3	1622.8	712460.	89336.

Sample Name: 1104207-12 Acquired: 5/5/2011 12:51:51 Type: Unk
Method: DuoEnviroMethodNEW(v2199) Mode: CONC Corr. Factor: 1.000000
User: rburr Custom ID1: Custom ID2: Custom ID3:
Comment: TETRA /4X

Elem	Ag3280	Al3961	As1890	As1972	B_2496	Ba2335	Be3130	Ca3179
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppm
Avg	**-.51585**	**1184.9**	**10.621**	**11.096**	**536.79**	**495.23**	**.09226**	**333.64**
Stddev	.04100	4.3	.838	2.225	2.10	1.81	.02506	2.10
%RSD	7.9471	.36691	7.8855	20.056	.39211	.36449	27.165	.63040
#1	-.52068	1185.7	9.7157	9.2111	538.09	493.98	.06394	336.05
#2	-.47266	1180.2	11.368	10.525	537.92	494.40	.10126	332.17
#3	-.55422	1188.8	10.779	13.551	534.36	497.30	.11158	332.69

Elem	Cd2144	Cd2288	Co2286	Cr2677	Cu2199	Cu3247	Fe2611	K_7664
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppm
Avg	**-.34787**	**.79489**	**5.9373**	**2.7109**	**-1.150**	**2.6473**	**53534.**	**42.192**
Stddev	.01222	.16302	.1413	.2005	.347	.0687	429.	.198
%RSD	3.5133	20.508	2.3801	7.3976	30.21	2.5945	.80183	.46930
#1	-.34756	.93137	5.7874	2.5344	-1.550	2.5684	53682.	42.343
#2	-.33581	.83894	6.0681	2.6692	-.9689	2.6940	53051.	41.968
#3	-.36024	.61438	5.9565	2.9290	-.9305	2.6794	53870.	42.266

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
Units	ppm	ppb	ppb	ppm	ppb	ppb	ppb	ppb
Avg	**24.526**	**2393.8**	**3.1045**	**53.496**	**8.3188**	**2.3683**	**-.57012**	**.98556**
Stddev	.209	10.8	.0833	.349	.1080	.5606	.15935	1.1510
%RSD	.85109	.45191	2.6833	.65289	1.2980	23.669	27.951	116.79
#1	24.661	2395.7	3.1116	53.562	8.2276	1.8744	-.48533	1.0641
#2	24.286	2403.5	3.0179	53.119	8.4380	2.2530	-.75395	-.20275
#3	24.632	2382.1	3.1840	53.808	8.2907	2.9776	-.47110	2.0953

Elem	Sn1899	Sr4215	Ti3349	Tl1908	V_2924	Zn2062
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.86811**	**2059.**	**15.530**	**-2.5799**	**1.0318**	**12.036**
Stddev	.09495	11.	.285	.4645	.0958	.159
%RSD	10.938	.5333	1.8325	18.003	9.2836	1.3193
#1	.85350	2061.	15.832	-2.0949	1.1398	12.193
#2	.78132	2048.	15.267	-3.0206	.95718	12.040
#3	.96953	2069.	15.491	-2.6242	.99843	11.876

Sample Name: 1104207-12 Acquired: 5/5/2011 12:51:51 Type: Unk
Method: DuoEnviroMethodNEW(v2199) Mode: CONC Corr. Factor: 1.000000
User: rburr Custom ID1: Custom ID2: Custom ID3:
Comment: TETRA /4X

Int. Std.	Sc1880	Sc3613	Sc3613-2
Units	Cts/S	Cts/S	Cts/S
Avg	1281.5	644340.	86090.
Stddev	8.0	3321.	638.
%RSD	.62322	.51548	.74073
#1	1289.1	647570.	85772.
#2	1282.3	640940.	86824.
#3	1273.2	644520.	85674.

Sample Name: 1104207-13 Acquired: 5/5/2011 12:56:41 Type: Unk
Method: DuoEnviroMethodNEW(v2199) Mode: CONC Corr. Factor: 1.000000
User: rburr Custom ID1: Custom ID2: Custom ID3:
Comment: TETRA /4X

Elem	Ag3280	Al3961	As1890	As1972	B_2496	Ba2335	Be3130	Ca3179
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppm
Avg	**-.66415**	**1118.7**	**10.467**	**11.899**	**552.97**	**517.78**	**.07510**	**343.80**
Stddev	.06561	6.9	.100	1.102	3.26	1.39	.01017	3.05
%RSD	9.8789	.61450	.95169	9.2651	.59007	.26821	13.546	.88590
#1	-.64257	1125.5	10.582	13.171	553.45	517.24	.06488	342.41
#2	-.61205	1111.8	10.409	11.272	549.50	516.74	.08523	347.29
#3	-.73784	1118.8	10.411	11.253	555.97	519.36	.07519	341.69

Elem	Cd2144	Cd2288	Co2286	Cr2677	Cu2199	Cu3247	Fe2611	K_7664
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppm
Avg	**-.25274**	**.76004**	**6.2808**	**2.3706**	**-1.325**	**2.2799**	**54415.**	**44.765**
Stddev	.07171	.12756	.1898	.0933	.405	.0173	221.	.181
%RSD	28.373	16.784	3.0218	3.9355	30.57	.76072	.40527	.40526
#1	-.18395	.82742	6.4563	2.4705	-.9029	2.2620	54180.	44.672
#2	-.24723	.83978	6.0794	2.2857	-1.362	2.2812	54617.	44.650
#3	-.32705	.61291	6.3067	2.3557	-1.711	2.2966	54447.	44.974

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
Units	ppm	ppb	ppb	ppm	ppb	ppb	ppb	ppb
Avg	**25.371**	**2434.0**	**3.0707**	**56.351**	**7.4332**	**1.3995**	**-1.1896**	**-.44846**
Stddev	.034	18.8	.0818	.262	.2960	.1362	1.3672	2.5488
%RSD	.13519	.77342	2.6648	.46427	3.9821	9.7348	114.93	568.34
#1	25.332	2441.9	3.0160	56.161	7.1361	1.2462	-2.5423	-3.0528
#2	25.385	2412.5	3.1648	56.242	7.4353	1.4454	-1.2183	-.33348
#3	25.397	2447.5	3.0313	56.649	7.7281	1.5068	.19171	2.0409

Elem	Sn1899	Sr4215	Ti3349	Tl1908	V_2924	Zn2062
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.51249**	**2127.**	**15.426**	**-1.9843**	**1.0055**	**13.543**
Stddev	.42425	6.	1.117	1.0866	.2937	.021
%RSD	82.782	.2604	7.2414	54.758	29.211	.15377
#1	.25596	2121.	16.472	-.84825	.81202	13.564
#2	1.0022	2131.	14.249	-3.0135	.86098	13.523
#3	.27932	2131.	15.556	-2.0911	1.3435	13.542

Sample Name: 1104207-13 Acquired: 5/5/2011 12:56:41 Type: Unk
Method: DuoEnviroMethodNEW(v2199) Mode: CONC Corr. Factor: 1.000000
User: rburr Custom ID1: Custom ID2: Custom ID3:
Comment: TETRA /4X

Int. Std.	Sc1880	Sc3613	Sc3613-2
Units	Cts/S	Cts/S	Cts/S
Avg	1266.8	647560.	85820.
Stddev	3.2	3302.	302.
%RSD	.24969	.50991	.35237
#1	1266.8	646930.	86161.
#2	1269.9	651130.	85585.
#3	1263.6	644620.	85713.

Sample Name: SEQ-CCV Acquired: 5/5/2011 13:02:40 Type: QC
Method: DuoEnviroMethodNEW(v2199) Mode: CONC Corr. Factor: 1.000000
User: rburr Custom ID1: Custom ID2: Custom ID3:
Comment: 11E0099

Elem	Ag3280	Al3961	As1890	As1972	B_2496	Ba2335	Be3130
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**483.54**	**9591.0**	**1038.3**	F **1128.4**	**967.58**	**1074.0**	**1076.3**
Stddev	1.66	6.7	4.0	6.6	.92	5.6	2.1
%RSD	.34330	.07016	.38883	.58585	.09494	.51990	.19724
#1	485.39	9589.4	1034.8	1132.8	968.27	1076.6	1076.2
#2	483.02	9585.2	1042.7	1131.5	967.93	1077.8	1078.5
#3	482.20	9598.4	1037.3	1120.8	966.54	1067.6	1074.2
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value				1000.0			
Range				±100.00			

Elem	Ca3179	Cd2144	Cd2288	Co2286	Cr2677	Cu2199	Cu3247
Units	ppm	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**46.622**	**1061.8**	**1089.6**	**1090.7**	**971.95**	**948.2**	**1071.3**
Stddev	.055	4.2	4.8	7.0	3.98	3.2	1.9
%RSD	.11851	.39343	.44037	.64262	.40983	.3397	.17733
#1	46.562	1061.8	1091.4	1094.4	976.12	948.7	1073.0
#2	46.671	1066.0	1093.2	1095.2	971.56	951.1	1071.7
#3	46.632	1057.6	1084.1	1082.7	968.18	944.7	1069.2
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Fe2611	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Units	ppb	ppm	ppm	ppb	ppb	ppm	ppb
Avg	**10451.**	**9.8267**	**46.783**	**1023.7**	**1043.4**	**53.777**	**1012.3**
Stddev	34.	.0237	.052	4.5	4.9	.055	4.7
%RSD	.32556	.24163	.11057	.43872	.46656	.10263	.46476
#1	10488.	9.7994	46.802	1028.8	1044.2	53.717	1014.2
#2	10443.	9.8386	46.822	1022.0	1047.8	53.788	1015.8
#3	10422.	9.8422	46.724	1020.4	1038.2	53.826	1007.0
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Sample Name: SEQ-CCV Acquired: 5/5/2011 13:02:40 Type: QC
Method: DuoEnviroMethodNEW(v2199) Mode: CONC Corr. Factor: 1.000000
User: rburr Custom ID1: Custom ID2: Custom ID3:
Comment: 11E0099

Elem	Pb2203	Sb2068	Se1960	Sn1899	Sr4215	Ti3349	Tl1908
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1055.0**	F **1144.3**	**1067.2**	**1052.6**	**1020.**	**999.22**	F **1167.9**
Stddev	5.1	5.2	5.6	6.6	2.	2.09	4.2
%RSD	.48502	.45135	.52560	.62864	.1689	.20876	.35923
#1	1053.9	1146.0	1066.5	1055.4	1019.	997.21	1168.5
#2	1060.7	1148.3	1073.1	1057.5	1021.	1001.4	1171.7
#3	1050.6	1138.4	1062.0	1045.1	1018.	999.09	1163.4
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value		1000.0					1000.0
Range		±100.00					±100.00

Elem	V_2924	Zn2062
Units	ppb	ppb
Avg	**948.29**	**1057.3**
Stddev	3.82	3.9
%RSD	.40242	.36774
#1	952.59	1057.2
#2	947.00	1061.3
#3	945.29	1053.5
Check ?	Chk Pass	Chk Pass
Value		
Range		

Int. Std.	Sc1880	Sc3613	Sc3613-2
Units	Cts/S	Cts/S	Cts/S
Avg	1435.1	679780.	87587.
Stddev	8.7	2875.	218.
%RSD	.60613	.42300	.24933
#1	1428.6	677490.	87421.
#2	1431.9	678840.	87506.
#3	1445.0	683010.	87834.

Sample Name: SEQ-CCB Acquired: 5/5/2011 13:09:54 Type: QC
Method: DuoEnviroMethodNEW(v2199) Mode: CONC Corr. Factor: 1.000000
User: rburr Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	As1972	B_2496	Ba2335	Be3130	Ca3179
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppm
Avg	-.10667	-.42670	.30442	-.43591	1.5707	.11833	.03613	.02184
Stddev	.04586	2.4553	.84843	.07876	.1620	.05676	.03896	.01477
%RSD	42.996	575.43	278.71	18.068	10.312	47.966	107.84	67.613
#1	-.11120	-2.9906	.98335	-.38312	1.7272	.09008	-.00606	.00568
#2	-.05871	1.9034	-.64670	-.52644	1.4038	.18367	.04370	.02522
#3	-.15010	-.19285	.57661	-.39816	1.5810	.08124	.07075	.03462
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Cd2144	Cd2288	Co2286	Cr2677	Cu2199	Cu3247	Fe2611	K_7664
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppm
Avg	.04823	-.01543	.01645	.11148	.1341	-.67353	3.4441	-.00466
Stddev	.03707	.05868	.08865	.03492	.4834	.07738	2.2559	.01141
%RSD	76.853	380.33	538.80	31.325	360.5	11.488	65.502	244.58
#1	.00566	.01833	-.07566	.11945	.3178	-.69758	.97988	-.01722
#2	.07336	.01857	.10117	.14172	-.4142	-.73603	3.9447	-.00183
#3	.06568	-.08319	.02385	.07326	.4987	-.58699	5.4077	.00506
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
Units	ppm	ppb	ppb	ppm	ppb	ppb	ppb	ppb
Avg	.00715	.23305	.82092	.04020	.60451	-.02568	.57484	-.71026
Stddev	.00482	.06375	.15787	.02122	.08634	.63025	.17666	1.0337
%RSD	67.359	27.353	19.231	52.802	14.282	2454.5	30.732	145.54
#1	.00798	.30298	.98520	.02355	.69981	-.59674	.59293	-1.3654
#2	.00198	.17818	.80721	.06410	.58221	.65053	.74176	-1.2468
#3	.01151	.21799	.67035	.03295	.53151	-.13082	.38983	.48142
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: SEQ-CCB Acquired: 5/5/2011 13:09:54 Type: QC
Method: DuoEnviroMethodNEW(v2199) Mode: CONC Corr. Factor: 1.000000
User: rburr Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4215	Ti3349	Tl1908	V_2924	Zn2062
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.18863**	**.1584**	**.24618**	**.59214**	**.01385**	**.10130**
Stddev	.13743	.1426	.25854	.65504	.12593	.08764
%RSD	72.856	90.06	105.02	110.62	909.34	86.512
#1	.13552	-.0006	.47625	.65852	.10912	.01765
#2	.08568	.2007	.29590	1.2115	-.12892	.09380
#3	.34469	.2750	-.03361	-.09357	.06134	.19245
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Sc1880	Sc3613	Sc3613-2
Units	Cts/S	Cts/S	Cts/S
Avg	1637.6	715790.	89021.
Stddev	6.6	2151.	299.
%RSD	.40029	.30048	.33637
#1	1632.2	717700.	88803.
#2	1644.9	716200.	88899.
#3	1635.7	713460.	89363.

PREPARATION BENCH SHEET

1D28003

Empirical Laboratories, LLC

Printed: 5/6/2011 1:35:13PM

721

Matrix: Water **Prepared using: METALS - MET_3005A** **(No Surrogate)**

Lab Number	Cont ID	Test Code	Prepared	Initial (mL)	Final (mL)	Spike ID	Source ID	ul Spike	ul Surrogate	Extraction Comments
1104152-04	-	MET_ICP_6010C_FULL_DIS	04/28/2011 07:34	50	50					Fe & Mn
1104152-06	-	MET_ICP_6010C_FULL_DIS	04/28/2011 07:34	50	50					Fe & Mn
1104187-08	-	MET_ICP_6010C_FULL_DIS	04/28/2011 07:34	50	50					Fe & Mn, Lab Filter and Preserve
1104187-09	-	MET_ICP_6010C_FULL_DIS	04/28/2011 07:34	50	50					Fe & Mn
1104187-10	-	MET_ICP_6010C_FULL_DIS	04/28/2011 07:34	50	50					Fe & Mn, Lab Filter and Preserve
1104187-11	-	MET_ICP_6010C_FULL_DIS	04/28/2011 07:34	50	50					Fe & Mn
1104207-10	-	MET_ICP_6010C_FULL_DIS	04/28/2011 07:34	50	50					Fe & Mn, Lab Filter and Preserve
1104235-01	D	MET_ICP_6010B_FULL_DIS	04/28/2011 07:34	50	50					As,Fe,Mn, Field Filtered
1104236-01	D	MET_ICP_6010B_FULL_DIS	04/28/2011 07:34	50	50					As,Fe,Mn, Field Filered and Preserved.
1104237-01	D	MET_ICP_6010B_FULL_DIS	04/28/2011 07:34	50	50					As,Fe,Mn, Field Filered and Preserved.
1104237-01	D	MET_ICP_6010C_FULL_DIS	04/28/2011 07:34	50	50					Added for BatchQC in: 1D28003
1D28003-BLK1		QC	04/28/2011 07:34	50	50					
1D28003-BS1		QC	04/28/2011 07:34	50	50	11D0586		50000		
1D28003-DUP1		QC	04/28/2011 07:34	50	50		1104237-01			
1D28003-MS1		QC	04/28/2011 07:34	50	50	11D0590	1104237-01	50		
1D28003-MSD1		QC	04/28/2011 07:34	50	50	11D0590	1104237-01	50		

Spiking Witnessed By Date

Preparation Reviewed By Date

Extracts Received By Date

CTOJM29_002

PREPARATION BENCH SHEET

1D26001

Empirical Laboratories, LLC

Printed: 4/29/2011 12:56:13PM

Matrix: Water **Prepared using: METALS - MET_3005A** **(No Surrogate)**

Lab Number	Cont ID	Test Code	Prepared	Initial (mL)	Final (mL)	Spike ID	Source ID	ul Spike	ul Surrogate	Extraction Comments
1104110-30	B	MET_ICP_6010B_FULL_DIS	04/26/2011 08:52	50	50					see versions
1104120-01	M	MET_ICP_6010B_FULL	04/26/2011 08:52	50	50					Ca, Pb, K, Na, Mg
1104120-02	A	MET_ICP_6010B_FULL_DIS	04/26/2011 08:52	50	50					Fe & Mn
1104128-32	E	MET_ICP_6010B_FULL	04/26/2011 08:52	50	50					see versions
1104128-34	E	MET_ICP_6010B_FULL	04/26/2011 08:52	50	50					see versions,
1104128-35	E	MET_ICP_6010B_FULL	04/26/2011 08:52	50	50					see versions,
1104128-36	E	MET_ICP_6010B_FULL	04/26/2011 08:52	50	50					see versions,
1104128-37	E	MET_ICP_6010B_FULL	04/26/2011 08:52	50	50					see versions,
1104128-38	E	MET_ICP_6010B_FULL	04/26/2011 08:52	50	50					see versions,
1104152-03	I	MET_ICP_6010C_FULL	04/26/2011 08:52	50	50					Fe & Mn
1104152-05	G	MET_ICP_6010C_FULL	04/26/2011 08:52	50	50					Fe & Mn
1104187-03	H	MET_ICP_6010C_FULL	04/26/2011 08:52	50	50					Fe & Mn
1104187-04	H	MET_ICP_6010C_FULL	04/26/2011 08:52	50	50					Fe & Mn
1104187-05	I	MET_ICP_6010C_FULL	04/26/2011 08:52	50	50					Fe & Mn
1104187-06	J	MET_ICP_6010C_FULL	04/26/2011 08:52	50	50					Fe & Mn
1104191-01	F	MET_ICP_6010C_FULL	04/26/2011 08:52	50	50					see version
1104191-02	F	MET_ICP_6010B_FULL	04/26/2011 08:52	50	50					Added for BatchQC in: 1D26001
1104191-02	F	MET_ICP_6010B_FULL_DIS	04/26/2011 08:52	50	50					Added for BatchQC in: 1D26001
1104191-02	F	MET_ICP_6010C_FULL	04/26/2011 08:52	50	50					see version
1104207-01	A	MET_ICP_6010C_FULL	04/26/2011 08:52	50	50					
1104207-02	A	MET_ICP_6010C_FULL	04/26/2011 08:52	50	50					
1D26001-BLK1		QC	04/26/2011 08:52	50	50					
1D26001-BS1		QC	04/26/2011 08:52	50	50	11D0586		50000		

Spiking Witnessed By Date

Preparation Reviewed By Date

Extracts Received By Date

722

CTOJM29_002

PREPARATION BENCH SHEET

1D26001

Empirical Laboratories, LLC

Printed: 4/29/2011 12:56:13PM

723

Matrix: Water **Prepared using: METALS - MET_3005A** **(No Surrogate)**

Lab Number	Cont ID	Test Code	Prepared	Initial (mL)	Final (mL)	Spike ID	Source ID	ul Spike	ul Surrogate	Extraction Comments
1D26001-DUP1		QC	04/26/2011 08:52	50	50		1104191-02			
1D26001-MS1		QC	04/26/2011 08:52	50	50	11D0590	1104191-02	50		
1D26001-MSD1		QC	04/26/2011 08:52	50	50	11D0590	1104191-02	50		
1D26001-PS1		QC	04/26/2011 08:52	20	20	11D0590	1104191-02	20		

Spiking Witnessed By Date

Preparation Reviewed By Date

Extracts Received By Date

CTOJM29_002

PREPARATION BENCH SHEET

1E02004

Empirical Laboratories, LLC

Printed: 5/7/2011 5:50:31PM

724

Matrix: Water **Prepared using: METALS - MET_3005A** **(No Surrogate)**

Lab Number	Cont ID	Test Code	Prepared	Initial (mL)	Final (mL)	Spike ID	Source ID	ul Spike	ul Surrogate	Extraction Comments
1104207-09	H	MET_ICP_6010C_FULL	05/02/2011 09:16	50	50					Fe & Mn
1104218-24	E	MET_ICP_6010B_FULL	05/02/2011 09:16	50	50					see versions
1104218-25	E	MET_ICP_6010B_FULL	05/02/2011 09:16	50	50					see versions
1104218-26	E	MET_ICP_6010B_FULL	05/02/2011 09:16	50	50					see versions
1104218-27	E	MET_ICP_6010B_FULL	05/02/2011 09:16	50	50					see versions
1104218-28	E	MET_ICP_6010B_FULL	05/02/2011 09:16	50	50					see versions
1104218-29	E	MET_ICP_6010B_FULL	05/02/2011 09:16	50	50					see versions
1104218-30	E	MET_ICP_6010B_FULL	05/02/2011 09:16	50	50					see versions
1104218-31	E	MET_ICP_6010B_FULL	05/02/2011 09:16	50	50					see versions
1104218-32	E	MET_ICP_6010B_FULL	05/02/2011 09:16	50	50					see versions
1104221-02	-	MET_ICP_6010B_TAL	05/02/2011 09:16	50	50					
1104244-01	A	MET_ICP_200.7_FULL	05/02/2011 09:16	50	50					see version
1104245-01	A	MET_ICP_200.7_FULL	05/02/2011 09:16	50	50					see version
1105007-01	B	MET_ICP_200.7_FULL	05/02/2011 09:16	50	50					
1105007-02	B	MET_ICP_200.7_FULL	05/02/2011 09:16	50	50					
1105007-03	B	MET_ICP_200.7_FULL	05/02/2011 09:16	50	50					
1105007-04	B	MET_ICP_200.7_FULL	05/02/2011 09:16	50	50					
1105007-04	B	MET_ICP_6010B_FULL	05/02/2011 09:16	50	50					Added for BatchQC in: 1E02004
1105007-04	B	MET_ICP_6010B_TAL	05/02/2011 09:16	50	50					Added for BatchQC in: 1E02004
1105007-04	B	MET_ICP_6010C_FULL	05/02/2011 09:16	50	50					Added for BatchQC in: 1E02004
1E02004-BLK1		QC	05/02/2011 09:16	50	50					
1E02004-BS1		QC	05/02/2011 09:16	50	50	11D0586		50000		
1E02004-DUP1		QC	05/02/2011 09:16	50	50		1105007-04			

Spiking Witnessed By Date

Preparation Reviewed By Date

Extracts Received By Date

CTOJM29_002

PREPARATION BENCH SHEET

1E02004

Empirical Laboratories, LLC

Printed: 5/7/2011 5:50:31PM

725

Matrix: Water **Prepared using: METALS - MET_3005A** **(No Surrogate)**

Lab Number	Cont ID	Test Code	Prepared	Initial (mL)	Final (mL)	Spike ID	Source ID	ul Spike	ul Surrogate	Extraction Comments
1E02004-MS1		QC	05/02/2011 09:16	50	50	11D0590	1105007-04	50		
1E02004-MSD1		QC	05/02/2011 09:16	50	50	11D0590	1105007-04	50		
1E02004-PS1		QC	05/02/2011 09:16	50	50	11D0590	1105007-04	50		

Spiking Witnessed By Date

Preparation Reviewed By Date

Extracts Received By Date

CTOJM29_002

PREPARATION BENCH SHEET

1E04007

Empirical Laboratories, LLC **Printed: 5/10/2011 2:55:53PM**

Instrument:

Matrix: Water **Prepared using: METALS - MET_3005A_LOW** **(No Surrogate)**

Lab Number	Cont ID	Analysis	Prepared	Initial (mL)	Final (mL)	Spike ID	Source ID	ul Spike	ul Surrogate	PH	Extraction Comments
1104207-12	A	MET_ICP_LOW6010C_FULL	05/04/2011	100	25					NA	select metals list, Use -01metals container per BKR
1104207-13	A	MET_ICP_LOW6010C_FULL	05/04/2011	100	25					NA	select metals list, Use -02 metals container per BKR
1E04007-BLK1		QC	05/04/2011	100	25					NA	
1E04007-BS1		QC	05/04/2011	100	25	11D0587		2000		NA	

Reagents Used:

Standard	Description

Spiking Witnessed By Date

Preparation Reviewed By Date

Extracts Received By Date

726

CTOJM29_002

PREPARATION BENCH SHEET

1E02013

Empirical Laboratories, LLC **Printed: 5/10/2011 2:55:22PM**

Instrument:

Matrix: Water **Prepared using: METALS - MET_3005A_LOW** **(No Surrogate)**

Lab Number	Cont ID	Analysis	Prepared	Initial (mL)	Final (mL)	Spike ID	Source ID	ul Spike	ul Surrogate	PH	Extraction Comments
1104207-14	A	MET_ICP_LOW6010C_FULL	05/02/2011	100	25					NA	select metals list, Use -09 metals container per BKR
1105006-12	B	MET_ICP_LOW6010B_FULL	05/02/2011	100	25					NA	
1105006-13	B	MET_ICP_LOW6010B_FULL	05/02/2011	100	25					NA	
1E02013-BLK1		QC	05/02/2011	100	25					NA	
1E02013-BS1		QC	05/02/2011	100	25	11D0587		2000		NA	

Reagents Used:

Standard	Description

Spiking Witnessed By Date

Preparation Reviewed By Date

Extracts Received By Date

727

CTOJM29_002

Data for Wet Chemistry Forms

ANALYSIS DATA SHEET

FB04151101

Laboratory: Empirical Laboratories, LLC
Client: Tetra Tech NUS, Inc. (T010)
Matrix: Ground Water
Sampled: 04/15/11 14:58
% Solids: 0.00

SDG: CTOJM29_002
Project: Saufley Field Site 4 CTOJM29
Laboratory ID: 1104207-09
Received: 04/18/11 15:45

CAS NO.	Analyte	Conc. (mg/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
NA	Biochemical Oxygen Demand		2.00	2.00	2.00	1	H3 U	SM5210B	1D20016	04/25/11 17:00
18496-25-8	Sulfide		0.678	1.69	3.39	0.68	U	SM4500S2CF	1D21010	04/21/11 18:03
NA	Chemical Oxygen Demand		20.0	60.0	60.0	1	U	E410.4	1D27020	04/28/11 11:25
16887-00-6	Chloride		0.170	0.330	0.500	1	U	E300.0	1D19015	04/19/11 13:16
14797-55-8	Nitrate as N		0.0330	0.100	0.200	1	H3 U	E300.0	1D19015	04/19/11 13:16
11-43-9	Alkalinity, Total (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	1D28005	04/28/11 13:50
14797-65-0	Nitrite as N		0.0330	0.100	0.200	1	H3 U	E300.0	1D19015	04/19/11 13:16
14808-79-8	Sulfate as SO4		0.330	1.00	2.00	1	X U	E300.0	1D19015	04/19/11 13:16

INITIAL AND CONTINUING CALIBRATION CHECK

E300.0

Laboratory: Empirical Laboratories, LLC
Client: Tetra Tech NUS, Inc. (T010)
Instrument ID: WC-IC

SDG: CTOJM29_002
Project: Saufley Field Site 4 CTOJM29
Calibration: 0295001
Sequence: 0J29503

Lab Sample ID	Analyte	True	Found	%R	Units	Control Limit
0J29503-ICV1	Chloride	4.800	4.639	96.6	mg/L	+/- 10.00%
	Nitrate as N	3.616	3.531	97.6	mg/L	+/- 10.00%
	Nitrite as N	4.864	4.529	93.1	mg/L	+/- 10.00%
	Sulfate as SO4	24.00	23.53	98.0	mg/L	+/- 10.00%

INITIAL AND CONTINUING CALIBRATION CHECK

E410.4

Laboratory: Empirical Laboratories, LLC
Client: Tetra Tech NUS, Inc. (T010)
Instrument ID: WC-Gensys

SDG: CTOJM29_002
Project: Saufley Field Site 4 CTOJM29
Calibration: 0294003
Sequence: 1D11807

Lab Sample ID	Analyte	True	Found	%R	Units	Control Limit
1D11807-CCV1	Chemical Oxygen Demand	100.0	106.0	106	mg/L	+/- 10.00%
1D11807-CCV2	Chemical Oxygen Demand	400.0	402.3	101	mg/L	+/- 10.00%

INITIAL AND CONTINUING CALIBRATION CHECK

E300.0

Laboratory: Empirical Laboratories, LLC
Client: Tetra Tech NUS, Inc. (T010)
Instrument ID: WC-IC

SDG: CTOJM29_002
Project: Saufley Field Site 4 CTOJM29
Calibration: 0295001
Sequence: 1E12705

Lab Sample ID	Analyte	True	Found	%R	Units	Control Limit
1E12705-CCV1	Chloride	25.00	26.55	106	mg/L	+/- 10.00%
	Nitrate as N	2.500	2.582	103	mg/L	+/- 10.00%
	Nitrite as N	2.500	2.338	93.5	mg/L	+/- 10.00%
	Sulfate as SO4	25.00	26.96	108	mg/L	+/- 10.00%
1E12705-CCV2	Chloride	25.00	26.66	107	mg/L	+/- 10.00%
	Nitrate as N	2.500	2.590	104	mg/L	+/- 10.00%
	Nitrite as N	2.500	2.368	94.7	mg/L	+/- 10.00%
	Sulfate as SO4	**25.00**	**28.42**	**114**	**mg/L**	+/- 10.00%

CRDL STANDARD

E300.0

Laboratory: Empirical Laboratories, LLC
SDG: CTOJM29_002
Client: Tetra Tech NUS, Inc. (T010)
Project: Saufley Field Site 4 CTOJM29
Instrument ID: WC-IC
Calibration: 0295001
Sequence: 0J29503

Lab Sample ID	Analyte	True	Found	%R	Units	QC Limts
0J29503-CRL2	Chloride	1.000	0.8730	87.3	mg/L	75 - 125
	Nitrate as N	0.1000	0.09500	95.0	mg/L	75 - 125
	Nitrite as N	0.1000	0.1060	106	mg/L	75 - 125
	Sulfate as SO4	1.000	1.023	102	mg/L	75 - 125

CRDL STANDARD

E300.0

Laboratory: Empirical Laboratories, LLC
SDG: CTOJM29_002
Client: Tetra Tech NUS, Inc. (T010)
Project: Saufley Field Site 4 CTOJM29
Instrument ID: WC-IC
Calibration: 0295001
Sequence: 1E12705

Lab Sample ID	Analyte	True	Found	%R	Units	QC Limts
1E12705-CRL1	Chloride	0.5000	0.3930	78.6	mg/L	75 - 125
	Nitrate as N	0.05000	0.05100	102	mg/L	75 - 125
	Sulfate as SO4	0.5000	0.5490	110	mg/L	75 - 125
1E12705-CRL2	Nitrite as N	0.1000	0.1240	124	mg/L	75 - 125

METHOD BLANKS

E300.0

Laboratory: Empirical Laboratories, LLC
SDG: CTOJM29_002
Client: Tetra Tech NUS, Inc. (T010)
Project: Saufley Field Site 4 CTOJM29

Batch: 1D19015

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
1D19015-BLK1	Chloride	-0.100	0.170	0.500	mg/L	U	E300.0
	Nitrate as N	0.00	0.0330	0.200	mg/L	U	E300.0
	Nitrite as N	0.00	0.0330	0.200	mg/L	U	E300.0
	Sulfate as SO4	0.00	0.330	2.00	mg/L	U	E300.0

METHOD BLANKS

SM5210B

Laboratory: Empirical Laboratories, LLC

SDG: CTOJM29_002

Client: Tetra Tech NUS, Inc. (T010)

Project: Saufley Field Site 4 CTOJM29

Batch: 1D20016

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
1D20016-BLK1	Biochemical Oxygen Demand	-0.205	2.00	2.00	mg/L	U	SM5210B

METHOD BLANKS

SM4500S2CF

Laboratory: Empirical Laboratories, LLC

SDG: CTOJM29_002

Client: Tetra Tech NUS, Inc. (T010)

Project: Saufley Field Site 4 CTOJM29

Batch: 1D21010

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
1D21010-BLK1	Sulfide	0.00	0.800	4.00	mg/L	U	SM4500S2CF

METHOD BLANKS

E410.4

Laboratory: Empirical Laboratories, LLC

SDG: CTOJM29_002

Client: Tetra Tech NUS, Inc. (T010)

Project: Saufley Field Site 4 CTOJM29

Batch: 1D27020

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
1D27020-BLK1	Chemical Oxygen Demand	-4.49	20.0	60.0	mg/L	U	E410.4

METHOD BLANKS

SM2320B

Laboratory: Empirical Laboratories, LLC
SDG: CTOJM29_002
Client: Tetra Tech NUS, Inc. (T010)
Project: Saufley Field Site 4 CTOJM29

Batch: 1D28005

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
1D28005-BLK1	Alkalinity, Total (as CACO3)	-0.532	1.00	1.00	mg/L	U	SM2320B

BLANKS
E300.0

Laboratory: Empirical Laboratories, LLC
SDG: CTOJM29_002
Client: Tetra Tech NUS, Inc. (T010)
Project: Saufley Field Site 4 CTOJM29
Sequence: 0J29503
Calibration: 0295001
Instrument ID: WC-IC

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
0J29503-ICB1	Chloride	0.01700	0.170	0.500	mg/L	U	E300.0
	Nitrate as N	0.000	0.0330	0.200	mg/L	U	E300.0
	Nitrite as N	0.000	0.0330	0.200	mg/L	U	E300.0
	Sulfate as SO4	0.08000	0.330	2.00	mg/L	U	E300.0

BLANKS
E410.4

Laboratory: Empirical Laboratories, LLC
SDG: CTOJM29_002
Client: Tetra Tech NUS, Inc. (T010)
Project: Saufley Field Site 4 CTOJM29
Sequence: 1D11807
Calibration: 0294003
Instrument ID: WC-Gensys

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
1D11807-CCB1	Chemical Oxygen Demand	-4.49	20.0	60.0	mg/L	U	E410.4
1D11807-CCB2	Chemical Oxygen Demand	-4.49	20.0	60.0	mg/L	U	E410.4

BLANKS
E300.0

Laboratory: Empirical Laboratories, LLC
SDG: CTOJM29_002
Client: Tetra Tech NUS, Inc. (T010)
Project: Saufley Field Site 4 CTOJM29
Sequence: 1E12705
Calibration: 0295001
Instrument ID: WC-IC

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
1E12705-CCB1	Chloride	-0.101	0.170	0.500	mg/L	U	E300.0
	Nitrate as N	0.00	0.0330	0.200	mg/L	U	E300.0
	Nitrite as N	0.00	0.0330	0.200	mg/L	U	E300.0
	Sulfate as SO4	0.00	0.330	2.00	mg/L	U	E300.0
1E12705-CCB2	Chloride	-0.110	0.170	0.500	mg/L	U	E300.0
	Nitrate as N	0.00	0.0330	0.200	mg/L	U	E300.0
	Nitrite as N	0.00	0.0330	0.200	mg/L	U	E300.0
	Sulfate as SO4	0.113	0.330	2.00	mg/L	U	E300.0

LCS / LCS DUPLICATE RECOVERY

E300.0

Laboratory:	Empirical Laboratories, LLC	SDG:	CTOJM29_002
Client:	Tetra Tech NUS, Inc. (T010)	Project:	Saufley Field Site 4 CTOJM29
Matrix:	Water		
Batch:	1D19015	Laboratory ID:	1D19015-BS1
Preparation:	WC_PREP_ANIONS_W	Initial/Final:	5 mL / 5 mL

ANALYTE	SPIKE ADDED (mg/L)	LCS CONCENTRATION (mg/L)	LCS % REC.	QC LIMITS REC.
Chloride	4.800	5.169	108	90 - 110
Nitrate as N	3.616	3.787	105	90 - 110
Nitrite as N	4.864	4.474	92.0	90 - 110
Sulfate as SO4	24.00	25.82	108	90 - 110

LCS / LCS DUPLICATE RECOVERY

SM5210B

Laboratory:	Empirical Laboratories, LLC	SDG:	CTOJM29_002
Client:	Tetra Tech NUS, Inc. (T010)	Project:	Saufley Field Site 4 CTOJM29
Matrix:	Water		
Batch:	1D20016	Laboratory ID:	1D20016-BS1
Preparation:	pNone	Initial/Final:	5 mL / 250 mL

ANALYTE	SPIKE ADDED (mg/L)	LCS CONCENTRATION (mg/L)	LCS % REC.	QC LIMITS REC.
Biochemical Oxygen Demand	198.0	192.5	97.2	85 - 115

LCS / LCS DUPLICATE RECOVERY

SM4500S2CF

Laboratory:	Empirical Laboratories, LLC	SDG:	CTOJM29_002
Client:	Tetra Tech NUS, Inc. (T010)	Project:	Saufley Field Site 4 CTOJM29
Matrix:	Water		
Batch:	1D21010	Laboratory ID:	1D21010-BS1
Preparation:	pNone	Initial/Final:	3 mL / 250 mL

ANALYTE	SPIKE ADDED (mg/L)	LCS CONCENTRATION (mg/L)	LCS % REC.	QC LIMITS REC.
Sulfide	1413	1166	82.5	80 - 120

ANALYTE	SPIKE ADDED (mg/L)	LCSD CONCENTRATION (mg/L)	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Sulfide	1413	1150	81.4	1.44	20	80 - 120

LCS / LCS DUPLICATE RECOVERY

E410.4

Laboratory:	Empirical Laboratories, LLC	SDG:	CTOJM29_002
Client:	Tetra Tech NUS, Inc. (T010)	Project:	Saufley Field Site 4 CTOJM29
Matrix:	Water		
Batch:	1D27020	Laboratory ID:	1D27020-BS1
Preparation:	pNone	Initial/Final:	2.5 mL / 2.5 mL

ANALYTE	SPIKE ADDED (mg/L)	LCS CONCENTRATION (mg/L)	LCS % REC.	QC LIMITS REC.
Chemical Oxygen Demand	86.00	98.46	114	80 - 120

LCS / LCS DUPLICATE RECOVERY

SM2320B

Laboratory:	Empirical Laboratories, LLC	SDG:	CTOJM29_002
Client:	Tetra Tech NUS, Inc. (T010)	Project:	Saufley Field Site 4 CTOJM29
Matrix:	Water		
Batch:	1D28005	Laboratory ID:	1D28005-BS1
Preparation:	pNone	Initial/Final:	25 mL / 25 mL

ANALYTE	SPIKE ADDED (mg/L)	LCS CONCENTRATION (mg/L)	LCS % REC.	QC LIMITS REC.
Alkalinity, Total (as CACO3)	200.0	185.8	92.9	80 - 120

METHOD DETECTION AND REPORTING LIMITS

Laboratory: Empirical Laboratories, LLC **SDG:** CTOJM29_002

Client: Tetra Tech NUS, Inc. (T010) **Project:** Saufley Field Site 4 CTOJM29

Matrix: Water **Instrument:**

Analyte	MDL	MRL	Units	Method
Alkalinity, Total (as CACO3)	1.00	1.00	mg/L	SM2320B
Sulfide	0.800	4.00	mg/L	SM4500S2CF
Biochemical Oxygen Demand	2.00	2.00	mg/L	SM5210B

METHOD DETECTION AND REPORTING LIMITS

Laboratory: Empirical Laboratories, LLC

SDG: CTOJM29_002

Client: Tetra Tech NUS, Inc. (T010)

Project: Saufley Field Site 4 CTOJM29

Matrix: Water

Instrument: WC-Gensys

Analyte	MDL	MRL	Units	Method
Chemical Oxygen Demand	20.0	60.0	mg/L	E410.4

METHOD DETECTION AND REPORTING LIMITS

Laboratory: Empirical Laboratories, LLC **SDG:** CTOJM29_002

Client: Tetra Tech NUS, Inc. (T010) **Project:** Saufley Field Site 4 CTOJM29

Matrix: Water **Instrument:** WC-IC

Analyte	MDL	MRL	Units	Method
Chloride	0.170	0.500	mg/L	E300.0
Nitrate as N	0.0330	0.200	mg/L	E300.0
Nitrite as N	0.0330	0.200	mg/L	E300.0
Sulfate as SO4	0.330	2.00	mg/L	E300.0

PREPARATION BATCH SUMMARY

E300.0

Laboratory: Empirical Laboratories, LLC SDG: CTOJM29_002

Client: Tetra Tech NUS, Inc. (T010) Project: Saufley Field Site 4 CTOJM29

Batch: 1D19015 Batch Matrix: Water Preparation: WC_PREP_ANIONS_W

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
FB04151101	1104207-09	04/19/11 12:05	5.00	5.00
FB04151101	1104207-09	04/19/11 12:05	5.00	5.00
Blank	1D19015-BLK1	04/19/11 12:05	5.00	5.00
LCS	1D19015-BS1	04/19/11 12:05	5.00	5.00

PREPARATION BATCH SUMMARY

SM5210B

Laboratory: Empirical Laboratories, LLC SDG: CTOJM29_002

Client: Tetra Tech NUS, Inc. (T010) Project: Saufley Field Site 4 CTOJM29

Batch: 1D20016 Batch Matrix: Water Preparation: pNone

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
FB04151101	1104207-09	04/20/11 11:00	250.00	250.00
Blank	1D20016-BLK1	04/20/11 11:00	250.00	250.00
LCS	1D20016-BS1	04/20/11 11:00	5.00	250.00

PREPARATION BATCH SUMMARY

SM4500S2CF

Laboratory: Empirical Laboratories, LLC SDG: CTOJM29_002

Client: Tetra Tech NUS, Inc. (T010) Project: Saufley Field Site 4 CTOJM29

Batch: 1D21010 Batch Matrix: Water Preparation: pNone

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
FB04151101	1104207-09	04/21/11 11:29	295.00	200.00
Blank	1D21010-BLK1	04/21/11 11:29	250.00	200.00
LCS	1D21010-BS1	04/21/11 11:29	3.00	250.00
LCS Dup	1D21010-BSD1	04/21/11 11:29	3.00	250.00

PREPARATION BATCH SUMMARY

E410.4

Laboratory: Empirical Laboratories, LLC SDG: CTOJM29_002

Client: Tetra Tech NUS, Inc. (T010) Project: Saufley Field Site 4 CTOJM29

Batch: 1D27020 Batch Matrix: Water Preparation: pNone

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
FB04151101	1104207-09	04/27/11 13:39	2.50	2.50
Blank	1D27020-BLK1	04/27/11 13:39	2.50	2.50
LCS	1D27020-BS1	04/27/11 13:39	2.50	2.50

PREPARATION BATCH SUMMARY

SM2320B

Laboratory: Empirical Laboratories, LLC SDG: CTOJM29_002

Client: Tetra Tech NUS, Inc. (T010) Project: Saufley Field Site 4 CTOJM29

Batch: 1D28005 Batch Matrix: Water Preparation: pNone

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
FB04151101	1104207-09	04/28/11 09:41	25.00	25.00
Blank	1D28005-BLK1	04/28/11 09:41	25.00	25.00
LCS	1D28005-BS1	04/28/11 09:41	25.00	25.00

ANALYSIS SEQUENCE SUMMARY

SM2320B

Laboratory: Empirical Laboratories, LLC

SDG: CTOJM29_002

Client: Tetra Tech NUS, Inc. (T010)

Project: Saufley Field Site 4 CTOJM29

Sequence:

Instrument:

Calibration:

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
LCS	1D28005-BS1	042811-003	04/28/11 11:05
Blank	1D28005-BLK1	042811-004	04/28/11 11:20

ANALYSIS SEQUENCE SUMMARY

SM4500S2CF

Laboratory: Empirical Laboratories, LLC

SDG: CTOJM29_002

Client: Tetra Tech NUS, Inc. (T010)

Project: Saufley Field Site 4 CTOJM29

Sequence:

Instrument:

Calibration:

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Blank	1D21010-BLK1	042111-004	04/21/11 17:55
LCS	1D21010-BS1	042111-002	04/21/11 17:56
LCS Dup	1D21010-BSD1	042111-003	04/21/11 17:57

ANALYSIS SEQUENCE SUMMARY

SM5210B

Laboratory: Empirical Laboratories, LLC

SDG: CTOJM29_002

Client: Tetra Tech NUS, Inc. (T010)

Project: Saufley Field Site 4 CTOJM29

Sequence:

Instrument:

Calibration:

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
LCS	1D20016-BS1		04/25/11 17:00
Blank	1D20016-BLK1		04/25/11 17:00

ANALYSIS SEQUENCE SUMMARY

E410.4

Laboratory:	Empirical Laboratories, LLC	SDG:	CTOJM29_002
Client:	Tetra Tech NUS, Inc. (T010)	Project:	Saufley Field Site 4 CTOJM29
Sequence:	0J29413	Instrument:	WC-Gensys
Calibration:	0294003		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Cal Standard	0J29413-CAL1	101910CURVE-Recal-006	10/20/10 21:11
Cal Standard	0J29413-CAL2	101910CURVE-Recal-007	10/20/10 21:12
Cal Standard	0J29413-CAL3	101910CURVE-Recal-008	10/20/10 21:13
Cal Standard	0J29413-CAL4	101910CURVE-Recal-009	10/20/10 21:14
Cal Standard	0J29413-CAL5	101910CURVE-Recal-010	10/20/10 21:15
Cal Standard	0J29413-CAL6	101910CURVE-Recal-011	10/20/10 21:16
Cal Standard	0J29413-CAL7	101910CURVE-Recal-012	10/20/10 21:17

ANALYSIS SEQUENCE SUMMARY

E300.0

Laboratory:	Empirical Laboratories, LLC	SDG:	CTOJM29_002
Client:	Tetra Tech NUS, Inc. (T010)	Project:	Saufley Field Site 4 CTOJM29
Sequence:	0J29503	Instrument:	WC-IC
Calibration:	0295001		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Cal Standard	0J29503-CAL1	102110curve-057	10/21/10 10:28
Cal Standard	0J29503-CAL2	102110curve-058	10/21/10 10:45
Cal Standard	0J29503-CAL3	102110curve-059	10/21/10 11:02
Cal Standard	0J29503-CAL4	102110curve-060	10/21/10 11:20
Cal Standard	0J29503-CAL5	102110curve-061	10/21/10 11:37
Cal Standard	0J29503-CAL6	102110curve-062	10/21/10 11:55
Cal Standard	0J29503-CAL7	102110curve-063	10/21/10 12:12
Cal Standard	0J29503-CAL8	102110curve-064	10/21/10 12:29
Initial Cal Check	0J29503-ICV1	102110curve-065	10/21/10 12:47
Initial Cal Blank	0J29503-ICB1	102110curve-066	10/21/10 13:04
Instrument RL Check	0J29503-CRL2	102110curve-068	10/21/10 13:39

ANALYSIS SEQUENCE SUMMARY

E410.4

Laboratory:	Empirical Laboratories, LLC	SDG:	CTOJM29_002
Client:	Tetra Tech NUS, Inc. (T010)	Project:	Saufley Field Site 4 CTOJM29
Sequence:	1D11807	Instrument:	WC-Gensys
Calibration:	0294003		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	1D11807-CCV1	042811-002	04/28/11 11:19
Calibration Blank	1D11807-CCB1	042811-003	04/28/11 11:19
LCS	1D27020-BS1	042811-004	04/28/11 11:20
Blank	1D27020-BLK1	042811-005	04/28/11 11:20
FB04151101	1104207-09	042811-014	04/28/11 11:25
Calibration Check	1D11807-CCV2	042811-015	04/28/11 11:25
Calibration Blank	1D11807-CCB2	042811-016	04/28/11 11:26

ANALYSIS SEQUENCE SUMMARY

E300.0

Laboratory:	Empirical Laboratories, LLC	SDG:	CTOJM29_002
Client:	Tetra Tech NUS, Inc. (T010)	Project:	Saufley Field Site 4 CTOJM29
Sequence:	1E12705	Instrument:	WC-IC
Calibration:	0295001		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	1E12705-CCV1	041911-002	04/19/11 12:41
Calibration Blank	1E12705-CCB1	041911-003	04/19/11 12:59
FB04151101	1104207-09	041911-004	04/19/11 13:16
Instrument RL Check	1E12705-CRL1	041911-005	04/19/11 13:33
Instrument RL Check	1E12705-CRL2	041911-006	04/19/11 13:51
LCS	1D19015-BS1	041911-007	04/19/11 14:08
Blank	1D19015-BLK1	041911-008	04/19/11 14:26
Calibration Check	1E12705-CCV2	041911-014	04/19/11 16:10
Calibration Blank	1E12705-CCB2	041911-015	04/19/11 16:27

Data for Wet Chemistry
Supporting Raw Data / Logs

Carbonate-Bicarbonate/Alkalinity

Empirical Laboratories

Client(s):

Date titrant standardized: 4/21/2011
Titrant ID: 11D0518
Titrant Normality= 0.019
MDL (mg/L) = 20.8

Analyst: KH
Analysis Date: 4/28/2011
Method reference: SM2320B/310.1
Method Type: Titrametric
Historical Data Checked: Y
Analyst Authorization:
BATCH: 1D28005

QC Acceptance Criteria
BLK < 1.0
BS Recovery = 80% to 120%
MS Recovery= 75% to 125%

Lab ID	Client	Time	Field ID	True Value (mg/L)	Sample Volume (ml)	Temp (°C)	Original pH	Sulfuric Acid A pH=8.3	Sulfuric Acid B pH=4.5	Sulfuric Acid C pH=4.2	Phenolphthalien Alkalinity	Total Alkalinity	Carbonate	Bicarbonate	% Recovery
1D28005-BS1	QC	11:05	11C0445	200.00	25.0	20.8	9.24	3.75	5.04	5.19	142.50	185.82	86.64	0.00	92.91
1D28005-BLK1	QC	11:20	DI H2O		25.0	20.3	5.52		0.033	0.08	0.00	-0.53	0.00	-0.53	
1104187-03	TTNUS	11:25			25.0	18.6	6.72		0.80	0.90	0.00	26.60	0.00	26.60	
1104187-04	TTNUS	11:40			25.0	19.0	6.68		0.58	0.61	0.00	20.90	0.00	20.90	
1104187-05	TTNUS	11:55			25.0	19.6	6.19		0.55	0.65	0.00	17.10	0.00	17.10	
1104187-06	TTNUS	12:05			25.0	20.3	7.13		3.80	3.90	0.00	140.60	0.00	140.60	
1104188-01	SHAW	12:30			25.0	21.4	7.98		2.65	2.72	0.00	98.04	0.00	98.04	
1104188-03	SHAW	13:35			25.0	22.3	8.01		2.75	2.90	0.00	98.80	0.00	98.80	
1104207-09	TTNUS	13:50			25.0	21.5	5.48		0.05	0.08	0.00	0.76	0.00	0.76	
1104216-01	SAIC	13:55			25.0	21.4	4.50		0.00	0.05	0.00	-1.90	0.00	-1.90	
1104216-02	SAIC	14:05			25.0	21.4	7.75		35.86	36.99	0.00	1319.74	0.00	1319.74	
1104216-03	SAIC	14:45			25.0	22.0	4.59		0.04	0.13	0.00	-1.90	0.00	-1.90	
1104216-04	SAIC	14:50			25.0	22.1	7.71		25.80	26.11	0.00	968.62	0.00	968.62	
1104216-05	SAIC	15:19			25.0	22.1	4.48		0.00	0.05	0.00	-1.90	0.00	-1.90	
1104216-06	SAIC	15:23			25.0	22.0	4.94		0.03	0.08	0.00	-0.76	0.00	-0.76	
1104232-01	SAIC	15:28			25.0	22.2	5.56		0.27	0.36	0.00	6.84	0.00	6.84	
1104232-02	SAIC	15:35			25.0	22.0	5.75		0.15	0.30	0.00	0.00	0.00	0.00	
1104232-03	SAIC	15:45			25.0	22.1	6.33		1.45	1.52	0.00	52.44	0.00	52.44	
1104232-04	SAIC	15:55			25.0	21.5	5.92		0.46	0.51	0.00	15.58	0.00	15.58	
1104232-05	SAIC	16:00			25.0	21.9	4.18		0.00	0.00	0.00	0.00	0.00	0.00	
1104232-06	SAIC	16:02			25.0	22.0	4.26		0.00	0.02	0.00	-0.57	0.00	-0.57	
1104232-07	SAIC	16:05			25.0	22.0	10.97	1.58	1.09	1.80	60.04	14.44	-91.20	0.00	
1D28005-MS1	SAIC	16:23	1104232-05	100	25.0	21.8	9.00	1.45	2.35	2.50	55.10	83.60	57.00	0.00	83.6
1D28005-MSD	SAIC	16:35	1104232-05	100	25.0	22.3	9.01	1.46	2.50	2.60	55.48	91.20	71.44	0.00	91.2
MS/MSD prep: 2.5mL of 11C0445 + 22.5mL sample.															
BS prep: 5.0mL of 11C0445 + 20 mL DI H2O															

764

CTOJM29_002

042811.XLS

Empirical Laboratories

Sulfide (S-)

765

Client(s):
TT NUS
Shaw
SAIC

Iodide Solution: 11C0055
Iodide Solution Normality: 0.025
Sodium Thiosulfate: 10K0499
Sodium Thiosulfate Normality: 0.025

Analyst: KBG
Date analyzed: 4/21/2011
Method#: SM4500S-2CF/376.1
Method Type: Titrametric
Analyst Authorization: KGB

BATCH: 1D21010

RL = 1.0 mg/L

Lab No.	Client	Waste Description	Analysis Time	True Value (mg/L)	Initial Sample Volume (mL)	Final Sample Volume (mL)	Volume Analyzed (ml)	*Dilution*	Iodide Volume (ml)	Thiosulfate Volume (ml)	*Sulfide (mg/L)*	*% Recovery*	Control Limit		Comments
													Low %	High %	
1D21010-BS1	QC	11C0798	17:56	1413	3	250	200	83.3	8.0	1.0	1166.2	82.53	80.00	120	
1D21010-BSD1	QC	11C0798	17:57	1413	3	250	200	83.3	8.0	1.1	1149.5	81.35	80.00	120	
1D21010-BLK1	QC	DI H2O	17:55		250	200	200	0.80	2.0	1.7	<0.8000				
1104187-03	TT NUS		18:00		295	200	200	0.68	2.0	2.0	<0.6800				
1104187-04	TT NUS		18:00		295	200	200	0.68	2.0	1.6	<0.6800				
1104187-05	TT NUS		18:00		295	200	200	0.68	2.0	1.5	0.68				
1104187-06	TT NUS		18:01		295	200	200	0.68	2.0	1.8	<0.6800				
1104188-01	Shaw		18:02		290	200	250	0.69	2.0	1.8	<0.6900				
1104188-03	Shaw		18:02		290	200	200	0.69	2.0	1.7	<0.6900				
1104207-09	TT NUS		18:03		295	200	200	0.68	2.0	1.7	<0.6800				
1104216-01	SAIC		18:03		250	200	200	0.80	2.0	1.6	<0.8000				
1104216-02	SAIC		18:05		290	200	200	0.69	2.0	0.9	1.5				
1104216-03	SAIC		18:06		240	200	200	0.83	2.0	1.7	<0.8300				
1104216-04	SAIC		18:07		290	200	200	0.69	2.0	1.8	<0.6900				
1104216-05	SAIC		18:09		295	200	200	0.68	6.0	4.8	1.6				
1104216-06	SAIC		18:10		250	200	200	0.80	2.0	1.7	<0.8000				
1104232-01	SAIC		18:11		270	200	200	0.74	2.0	1.8	<0.7400				
1104232-02	SAIC		18:11		240	200	200	0.83	2.0	1.7	<0.8300				
1104232-03	SAIC		18:12		280	200	200	0.71	2.0	1.6	<0.7100				
1104232-04	SAIC		18:13		295	200	200	0.68	2.0	1.5	0.68				
1104232-05	SAIC		18:14		270	200	200	0.74	2.0	1.8	<0.7400				
1104232-06	SAIC		18:14		295	200	200	0.68	2.0	1.5	0.68				
1104232-07	SAIC		18:14		250	200	250	0.80	2.0	1.5	<0.8000				

CTOJM29_002

Empirical Laboratories

BIOCHEMICAL OXYGEN DEMAND

Batch #: ID20016
Calibration Verification
BOD On: 8.68 @ 22.4°C / 8.69 @ 22.3°C
BOD Off: 8.88 @ 21.2°C / 8.81 @ 21.6°C
Method : SM5210B/405.1

Analyst: BLQ — Start Time: ~~15:30~~ 11:00 BLQ 4/20/11
Date On: 4/20/11 — End Time: 17:50
Analyst: BLQ — Start Time: 17:00
Date Off: 4/25/11 — End Time: 18:00

Historical Data Checked: ✓
Analyst Authorization: BLQ

Type of seed used: Metro
Volume of seed used: 5mLs

Lab Number	Client	Field ID	Residual Chlorine checked	Sample pH Initial	Sample pH Final	Bottle Number	Sample Volume (mL)	DO (mg/L) Initial	DO (mg/L) Final	Calculated BOD (mg/L)	Final BOD (mg/L)
ID20016-BLK1						1	300	8.69	8.83	-0.14	
↓						2	↓	↓	9.06	-0.37	
↓						3	↓	↓	8.90	-0.21	-0.205
↓						4	↓	↓	8.79	-0.10	
Seed Blank	11D0465					5	10	8.57	7.87	*	
↓						6	20	8.47	7.05	*	
↓						7	30	8.40	5.80	0.4333	0.46135
↓						8	40	8.32	4.61	0.46375	
↓						9	50	8.09	3.22	0.487	
ID20016-BS1		11D0469				10	5	8.55	4.89	191.92	192.5
↓						11	5	↓	4.87	193.12	
Drift chk →							→	8.60	~~8.78~~ 8.81 ✓	BLD 4/25/11	
1104207-09	Tetra Tech		✓	7.82	6.68	12	10	8.68	8.48	*	
↓	↓					13	20	8.55	8.34	*	
↓						14	50	8.91	8.63	*	
↓						15	100	9.36	8.83	*	
↓	↓			shaken →		16	250	9.20	8.38	*	<2.0

Qualifiers:
N = Nitrification Inhibited
C = Sample was Chlorinated
* = Difference in final and initial DO is < 2.0

Note:
Initial DO should fall between 7.5 and 9.5
Calculations:
Seed Correction Factor = [(Initial DO - Final DO)/Sample Volume] x mLs of Seed used in Test
BOD = [(Initial DO - Final DO - Seed Correction Factor)/Sample Volume] x 300

2nd w BLQ 4/27/11

97.2

766

CTOJM29_002

Empirical Laboratories

BIOCHEMICAL OXYGEN DEMAND

Batch #: ID20016
Calibration Verification
BOD On: 8.69 @ 22.32°C
BOD Off: 8.81 @ 21.6°C

Method : SM5210B/405.1

Analyst: BLQ	Start Time: ~~15:30~~ 11:00 BLQ 4/20/11
Date On: 4/20/11	End Time: 17:50
Analyst: ~~4/25~~ BLQ	Start Time: 17:00
Date Off: 4/25/11	End Time: 18:00

Historical Data Checked: ✓
Analyst Authorization: BLQ

Type of seed used: Metro
Volume of seed used: 5 mLs

Lab Number	Client	Field ID	Residual Chlorine checked	Sample pH Initial	Sample pH Final	Bottle Number	Sample Volume (mL)	DO (mg/L) Initial	DO (mg/L) Final	Calculated BOD (mg/L)	Final BOD (mg/L)
11042320l	EMC	Eff.	✓-	7.58	7.50	17	10	8.72	8.28	*	
						18	20	8.71	8.19	*	
						19	50	8.56	7.73	*	
						20	100	8.69	7.15	*	
						21	250	8.88	4.63	4.55	4.55
Drift chk							→	8.74 ✓	8.72 ✓		

Qualifiers:
N = Nitrification Inhibited
C = Sample was Chlorinated
* = Difference in final and initial DO is < 2.0

Note:
Initial DO should fall between 7.5 and 9.5
Calculations:
Seed Correction Factor = [(Initial DO - Final DO)/Sample Volume] x mLs of Seed used in Test
BOD = [(Initial DO - Final DO - Seed Correction Factor)/Sample Volume] x 300

767

CTOJM29_002

Chemical Oxygen Demand (COD)

Empirical Laboratories

Client(s):

Curve Date: 10/14/2010
CURVE AGE IS <6 MONTHS
Correlation: 0.999816652

Wavelentgh = 600 nm
Detection Limit = 20 mg/L

QC Criteria
BLK: < 20 (<5.0 for Low COD)
BS Recovery: 80-120%
Calibration Standard Recovery: 90-110%

Std ID	Time	mg/L	ABS
10J0559	21:11	0	0.000
10J0555	21:12	20	0.006
10J0558	21:13	40	0.008
10J0554	21:14	80	0.025
10J0553	21:15	100	0.031
10J0552	21:16	400	0.132
10J0551	21:17	800	0.261

Digestion Date: 10/14/10
Digestion Technician: CJB
Analysis Date: 10/20/10
Analyst: CJB
Batch: 0J21026
Sequence:
Method #: 410.4
Method Type: Colorimetric
Analyst Authorization:

Digestion
Time On: 19:05
Time Off: 21:05
Digestion Vial Lot#: 0030131-22

COD Block Temp. (150±2°C):

Lab. #	Client	Field ID	T.V. (mg/L)	Analysis Time (hh:mm)	Initial Sample Volume	Final Sample Volume	Sample Volume Used	*Dilution*	Absorbance	*COD (mg/L)*	*Recovery %*	Control Limits		*Comments*
					Dilution Steps							Low%	High %	
SEQ-CCV1	QC	DI H2O	100	21:06	2.50	2.50	2.50	1.00	0.031	99.0	99.0%	90.0	110.0	
SEQ-CCB1	QC			21:07	2.50	2.50	2.50	1.00	0.000	4.8				
0J21026-BS1	QC	09L0505	139	21:08	2.50	2.50	2.50	1.00	0.041	129.3	93.0%	80.0	120.0	
0J21026-BLK1	QC	DI H2O		21:09	2.50	2.50	2.50	1.00						
SEQ-CAL1	QC	10J0559	0	21:11	2.50	2.50	2.50	1.00	0.000	4.8				
SEQ-CAL2	QC	10J0555	20	21:12	2.50	2.50	2.50	1.00	0.006	23.0	115.1%			
SEQ-CAL3	QC	10J0558	40	21:13	2.50	2.50	2.50	1.00	0.008	29.1	72.7%			
SEQ-CAL4	QC	10J0554	80	21:14	2.50	2.50	2.50	1.00	0.025	80.7	100.9%			
SEQ-CAL5	QC	10J0553	100	21:15	2.50	2.50	2.50	1.00	0.031	99.0	99.0%			
SEQ-CAL6	QC	10J0552	400	21:16	2.50	2.50	2.50	1.00	0.132	405.8	101.4%			
SEQ-CAL7	QC	10J0551	800	21:17	2.50	2.50	2.50	1.00	0.261	797.6	99.7%			
SEQ-CCV2	QC		400	21:18	2.50	2.50	2.50	1.00	0.132	405.8	101.4%			
SEQ-CCB2	QC	DI H2O	0	21:19	2.50	2.50	2.50	1.00	0.000	4.8				

Comments: MS 1.75mL of sample with 0.75mL of 800ppm standard

768

CTOJM29_002

Chemical Oxygen Demand (COD)

Empirical Laboratories

Client(s):
TT NUS

Curve Date: 11/18/2010
CURVE AGE IS <6 MONTHS
Correlation: 0.99977003
Calibration ID: 0323003
Wavelentgh = 600 nm
Detection Limit = 20 mg/L

Std ID	Time	mg/L	ABS
10J0559	20:25	0	0.000
10J0555	20:25	20	0.009
10J0558	20:26	40	0.019
10J0554	20:26	80	0.032
10J0553	20:27	100	0.042
10J0552	20:28	400	0.166
10J0551	20:28	800	0.318

Digestion Date: 4/27/11
Digestion Technician: KBG
Analysis Date: 04/28/11
Analyst: KBG
Batch: 1D27020
Sequence: 1D11807
Method #: 410.4
Method Type: Colorimetric
Analyst Authorization: KBG

QC Criteria
BLK: < 20 (<5.0 for Low COD)
BS Recovery: 80-120%
Calibration Standard Recovery: 90-110%

COD Block Temp. (150±2°C):

Digestion
Time On: 14:00
Time Off: 16:00
Digestion Vial Lot#: 0112231-40

Lab. #	Client	Field ID	T.V. (mg/L)	Analysis Time (hh:mm)	Initial Sample Volume	Final Sample Volume	Sample Volume Used	*Dilution*	Absorbance	*COD (mg/L)*	*Recovery %*	Control Limits		*Comments*
					Dilution Steps							Low%	High %	
SEQ-CCV1	QC	10J0553	100	11:19	2.50	2.50	2.50	1.00	0.044	106.0	106.0%	90.0	110.0	
SEQ-CCB1	QC	DI H2O		11:19	2.50	2.50	2.50	1.00	0.000	-4.5				
1D27020-BS1	QC	10L0740	86	11:20	2.50	2.50	2.50	1.00	0.041	98.5	114.5%	80.0	120.0	
1D27020-BLK1	QC	DI H2O		11:20	2.50	2.50	2.50	1.00	0.000	-4.5				
1104152-03	TT NUS			11:21	2.50	2.50	2.50	1.00	0.001	-2.0				
1104152-05	TT NUS			11:21	2.50	2.50	2.50	1.00	0.002	0.5				
1104187-03	TT NUS			11:22	2.50	2.50	2.50	1.00	0.000	-4.5				
1104187-04	TT NUS			11:22	2.50	2.50	2.50	1.00	0.002	0.5				
1104187-05	TT NUS			11:23	2.50	2.50	2.50	1.00	0.003	3.0				
1104187-06	TT NUS			11:23	2.50	2.50	2.50	1.00	0.020	45.7				
1D27020-MS1	TT NUS	1104187-06	240	11:24	2.50	2.50	2.50	1.00	0.111	274.2	100.9%	75.0	125.0	
1D27020-MSD1	TT NUS	1104187-06	240	11:24	2.50	2.50	2.50	1.00	0.110	271.7	99.9%	75.0	125.0	
1104207-09	TT NUS			11:25	2.50	2.50	2.50	1.00	0.000	-4.5				
SEQ-CCV2	QC	10J0552	400	11:25	2.50	2.50	2.50	1.00	0.162	402.3	100.6%	90.0	110.0	
SEQ-CCB2	QC	DI H2O	0	11:26	2.50	2.50	2.50	1.00	0.000	-4.5				

Comments: MS 1.75mL of sample with 0.75mL of 800ppm standard

2nd v BLQ
4/28/11

769

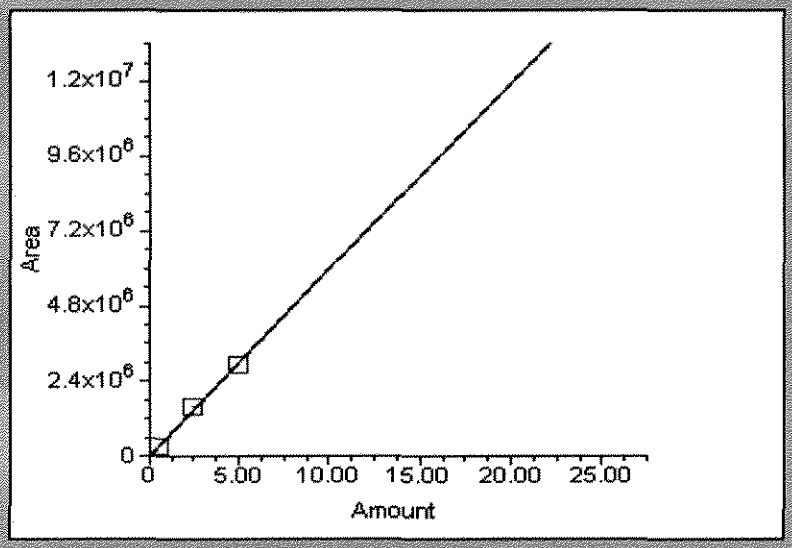
CTOJM29_002

042811

Component Data

Plot | Replicates | Groups

Component: 1-Fluoride | Curve Fit Type: Linear | Origin: Include | Calibrate By: Area



Display: ☑ Included Pts ☑ Curve ☐ Error Bars ☐ Rejected Pts ☐ Residuals ☐ Confidence Intervals — Print...

Replicates — View: Replicate 1

	Replicate	Use	Comment
L1	23565	☐	NOT USED
L2	48008	☑	
L3	147304	☑	
L4	300886	☑	
L5	1557940	☑	
L6	2948237	☑	
L7	6478139	☐	NOT USED
L8	12039850	☐	NOT USED
		☐	
		☐	

r^2 = 0.999203
K0 = -0.009035
K1 = 1.68e-006

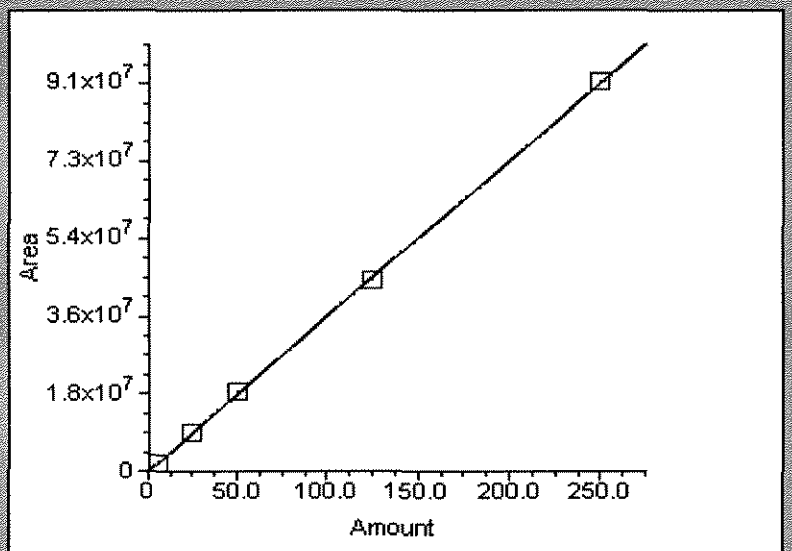
Calculator
Amount: 0.0305552866
Response: 23565

OK | Cancel | Apply

Component Data

Plot | Replicates | Groups

Component: 2-Chloride | Curve Fit Type: Linear | Origin: Include | Calibrate By: Area



Display: ☑ Included Pts ☑ Curve ☐ Error Bars ☐ Rejected Pts ☐ Residuals ☐ Confidence Intervals — Print...

Replicates — View: Replicate 1

	Replicate	Use	Comment
L1	171292	☑	
L2	359498	☑	
L3	931304	☑	
L4	1851575	☑	
L5	9435202	☑	
L6	18764154	☑	
L7	44927570	☑	
L8	91520132	☑	
		☐	
		☐	

r^2 = 0.999883
K0 = -0.1423
K1 = 2.74e-006

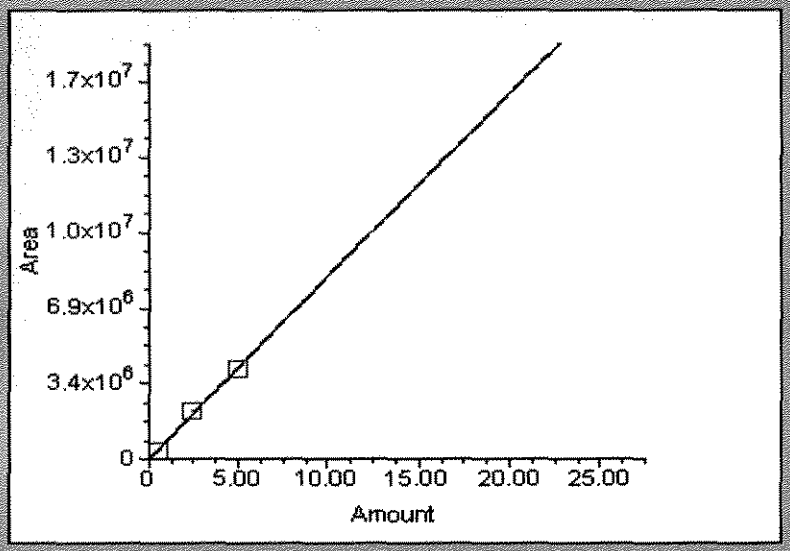
Calculator
Amount: 0.327078767
Response: 171292

OK | Cancel | Apply

Component Data

Plot | Replicates | Groups

Component: 3-Nitrite | Curve Fit Type: Linear | Origin: Include | Calibrate By: Area



Display: Included Pts, Curve, Error Bars; Rejected Pts, Residuals, Confidence Intervals; Print...

Replicates — View: Replicate 1

	Replicate	Use	Comment
L1	25923	☐	NOT USED
L2	68966	☑	
L3	174727	☑	
L4	385805	☑	
L5	2152581	☑	
L6	4117893	☑	
L7	9081346	☐	NOT USED
L8	17279135	☐	NOT USED
		☐	
		☐	

r^2 = 0.999358
K0 = 0.01133
K1 = 1.2e-006

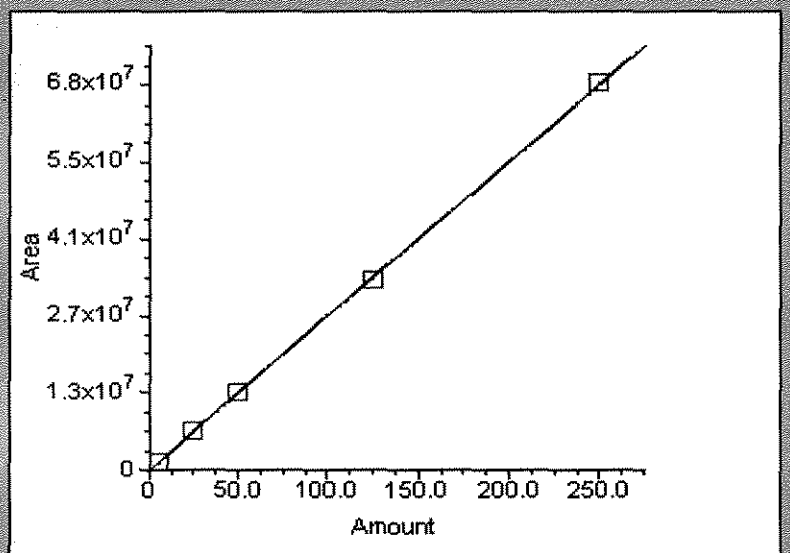
Calculator
Amount: 0.042444718
Response: 25923

OK | Cancel | Apply

Component Data

Plot | Replicates | Groups

Component: 4-Sulfate | Curve Fit Type: Linear | Origin: Include | Calibrate By: Area



Display: Included Pts, Curve, Error Bars; Rejected Pts, Residuals, Confidence Intervals; Print...

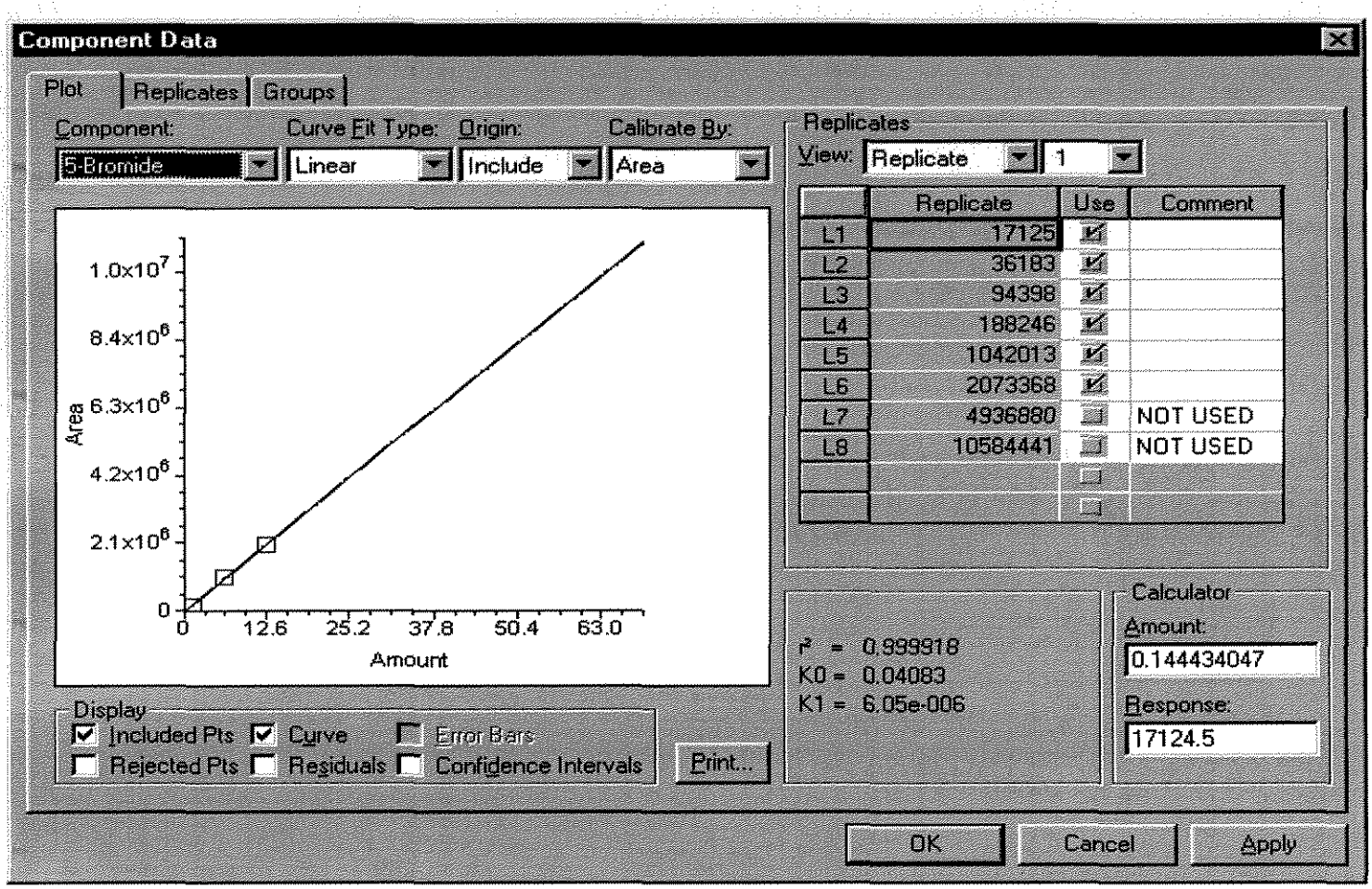
Replicates — View: Replicate 1

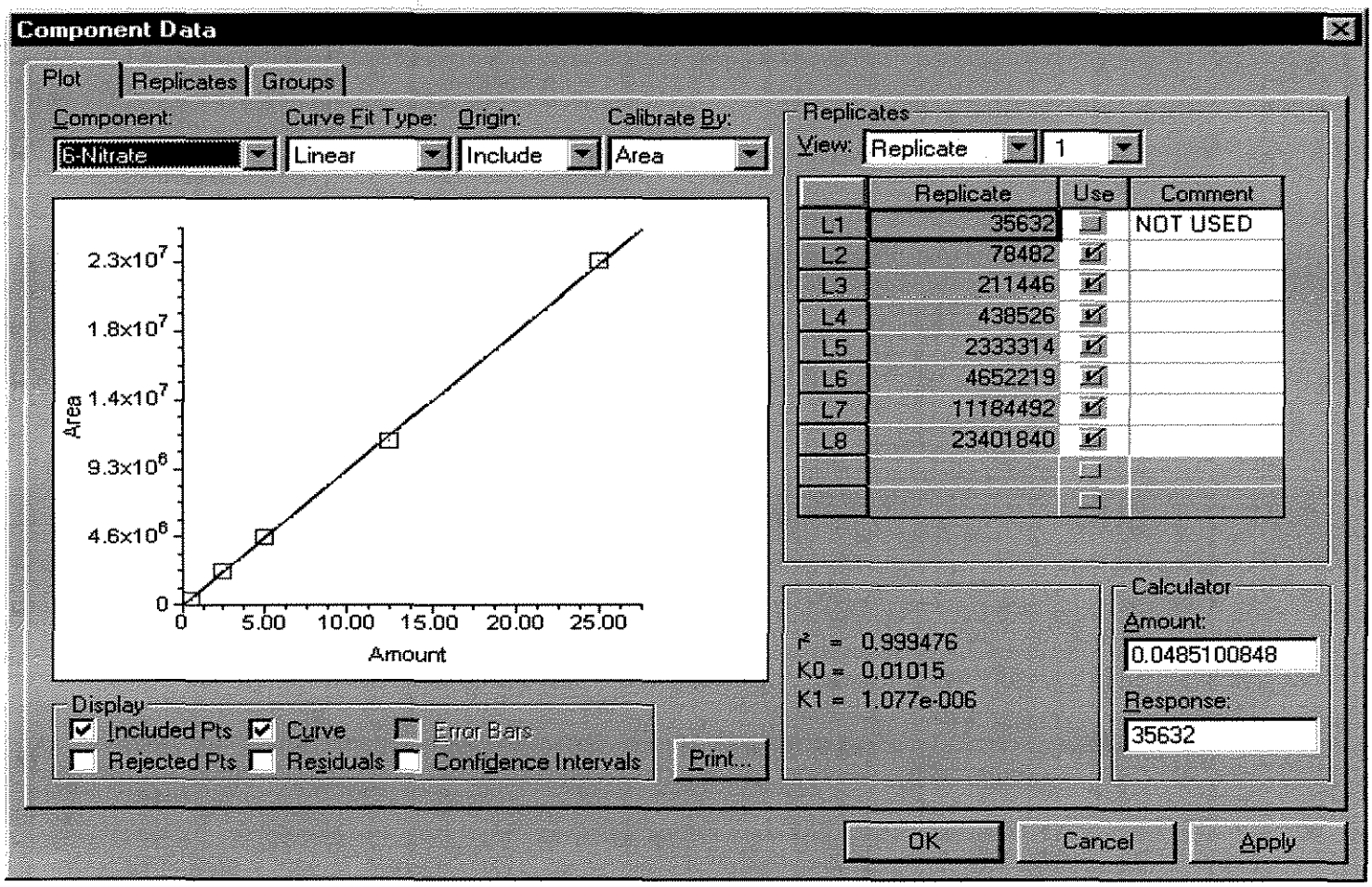
	Replicate	Use	Comment
L1	119585	☐	NOT USED
L2	256597	☑	
L3	681370	☑	
L4	1376778	☑	
L5	6988815	☑	
L6	13913885	☑	
L7	33635605	☑	
L8	68876967	☑	
		☐	
		☐	

r^2 = 0.999862
K0 = 0.05993
K1 = 3.643e-006

Calculator
Amount: 0.495562634
Response: 119584.5

OK | Cancel | Apply


Component Data
Plot
Replicates
Groups
Component:
5-Bromide
Curve Fit Type:
Linear
Origin:
Include
Calibrate By:
Area
1.0x10^7
8.4x10^6
6.3x10^6
4.2x10^6
2.1x10^6
0
Area
0
12.6
25.2
37.8
50.4
63.0
Amount
Replicates
View:
Replicate
1
Replicate
Use
Comment
L1 17125
L2 36183
L3 94398
L4 188246
L5 1042013
L6 2073368
L7 4936880 NOT USED
L8 10584441 NOT USED
r² = 0.999918
K0 = 0.04083
K1 = 6.05e-006
Calculator
Amount:
0.144434047
Response:
17124.5
Display
Included Pts
Curve
Error Bars
Rejected Pts
Residuals
Confidence Intervals
Print...
OK
Cancel
Apply


Component Data
Plot
Replicates
Groups
Component:
6-Nitrate
Curve Fit Type:
Linear
Origin:
Include
Calibrate By:
Area
2.3x10^7
1.8x10^7
1.4x10^7
9.3x10^6
4.6x10^6
0
Area
0
5.00
10.00
15.00
20.00
25.00
Amount
Replicates
View:
Replicate
1
Replicate
Use
Comment
L1 35632 NOT USED
L2 78482
L3 211446
L4 438526
L5 2333314
L6 4652219
L7 11184492
L8 23401840
r² = 0.999476
K0 = 0.01015
K1 = 1.077e-006
Calculator
Amount:
0.0485100848
Response:
35632
Display
Included Pts
Curve
Error Bars
Rejected Pts
Residuals
Confidence Intervals
Print...
OK
Cancel
Apply

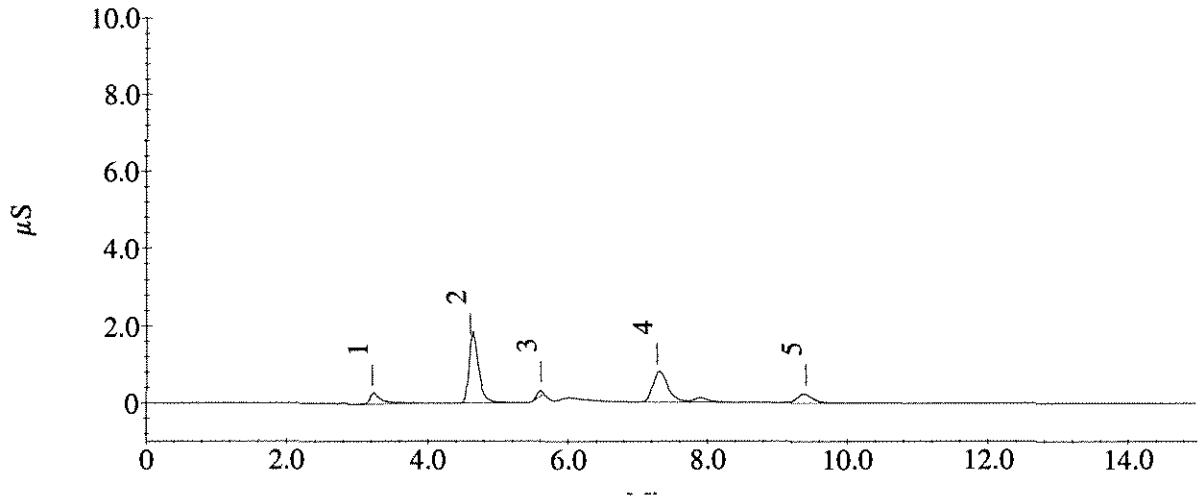
Sample Analysis Report

Sample Name : SEQ-CAL1
Data File Name : c:\peaknet\data\2010\oct10\102010_057.DXD

Method File Name : c:\peaknet\method\anions\anions082510.met
Date Time Collected : 10/21/10 10:28:05 AM
System Operator : : KBG
Calibration Date : 9/1/10 12:55:00 PM
Method Comment: EPA 300.0 :

Peak Information : All Components

Peak #	Component Name	Retention Time	Peak Area	Concentration (mg/L)
1	Fluoride	3.20	35966	0.056
2	Chloride	4.60	173602	0.324
3	Nitrite	5.60	8546	0.002
4	Sulfate Bromide	7.27	140279	0.515
5	Nitrate O-phos	9.40	37720	0.038



Calibration Update Report

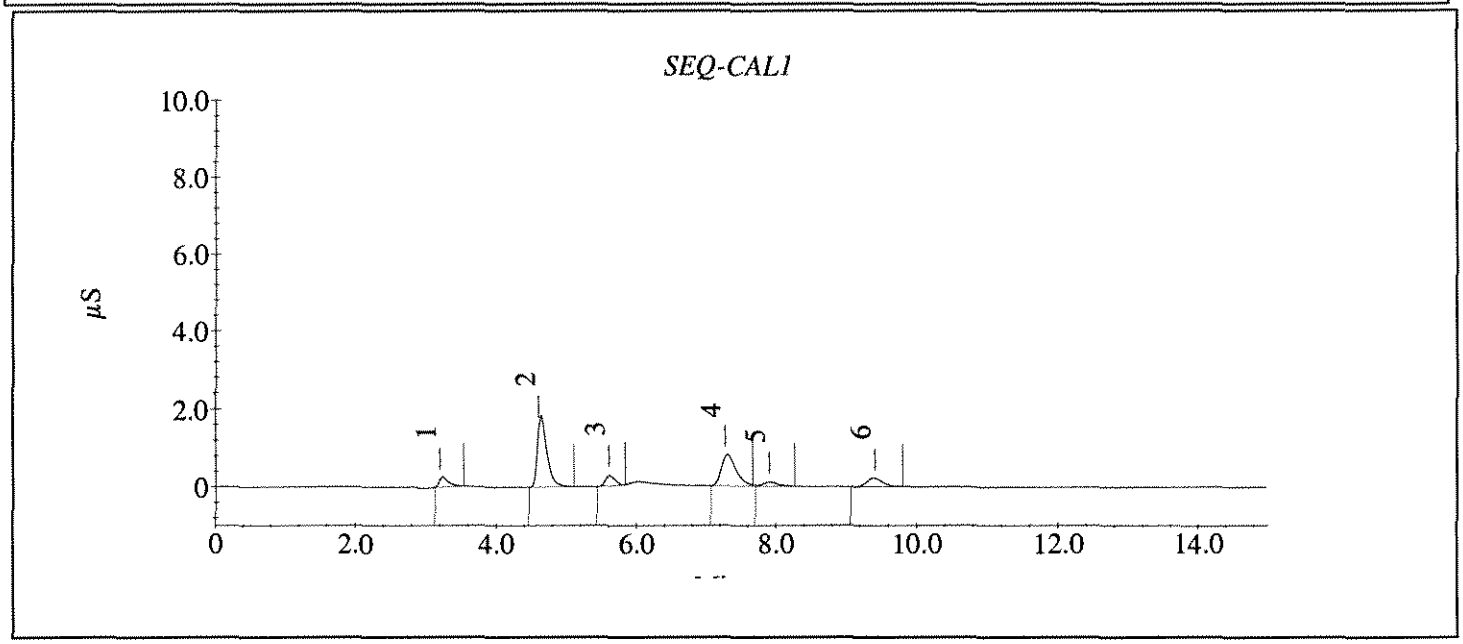
Sample Name : SEQ-CAL1 1050795
Data File Name : C:\PEAKNET\DATA\2010\OCT10\102010_057.DXD

Method File Name : C:\PeakNet\method\ANIONS\Anions102110.met
Schedule File Name : c:\peaknet\schedule\2010\oct\102010.sch
Date Time Collected : 10/21/10 10:28:05 AM
Calibration Date : ~~10/22/10 10:25:52 AM~~ 10/21/10
System Operator: ~~TJM~~ : KBG

ACE KBG 10/22/10

Peak Information : All Components

Peak #	Component Name	Retention Time	Cal Response New	Concentration (mg/L)
1	Fluoride	3.20	23565.00	~~0.050~~ Not used
2	Chloride	4.60	171292.00	0.500 ✓
3	Nitrite	5.60	25923.00	~~0.050~~ not used
4	Sulfate	7.27	119584.50	~~0.500~~ not used
5	Bromide	7.90	17124.50	0.125 ✓
6	Nitrate	9.40	35632.00	~~0.050~~ not used
	O-phos			



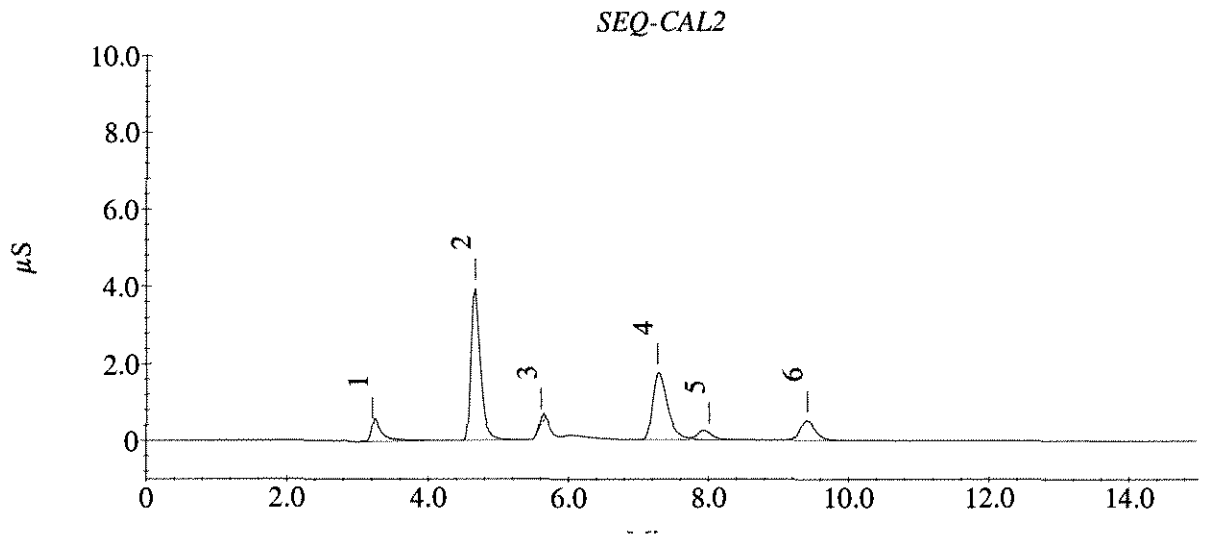
Sample Analysis Report

Sample Name : SEQ-CAL2
Data File Name : c:\peaknet\data\2010\oct10\102010_058.DXD

Method File Name : c:\peaknet\method\anions\anions082510.met
Date Time Collected : 10/21/10 10:45:28 AM
System Operator : : KBG
Calibration Date : 9/1/10 12:55:00 PM
Method Comment: EPA 300.0 :

Peak Information : All Components

Peak #	Component Name	Retention Time	Peak Area	Concentration (mg/L)
1	Fluoride	3.20	65736	0.107
2	Chloride	4.67	363579	0.819
3	Nitrite	5.60	9561	0.004
4	Sulfate	7.27	258487	0.923
5	Bromide	8.00	36272	0.292
6	Nitrate	9.40	79633	0.081
	O-phos			



Calibration Update Report

1053796

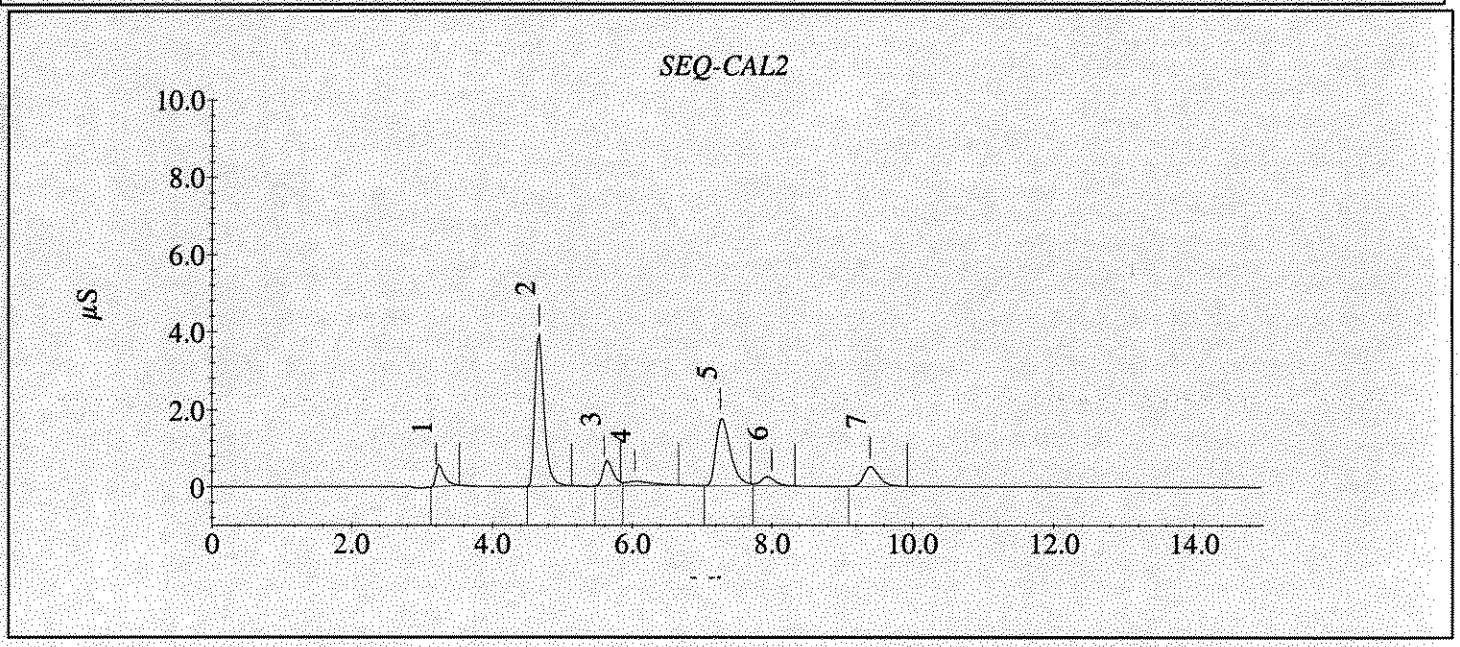
Sample Name : SEQ-CAL2
Data File Name : C:\PEAKNET\DATA\2010\OCT10\102010_058.DXD

Method File Name : C:\PeakNet\method\ANIONS\Anions102110.met
Schedule File Name : c:\peaknet\schedule\2010\oct\102010.sch
Date Time Collected : 10/21/10 10:45:28 AM
Calibration Date : ~~10/22/10 10:25:52 AM~~ 10/21/10
System Operator: ~~TJM~~ : KBG

CE KBG
10/22/10

Peak Information : All Components

Peak #	Component Name	Retention Time	Cal Response New	Concentration (mg/L)
1	Fluoride	3.20	48008.00	0.100
2	Chloride	4.67	359498.00	1.000
3	Nitrite	5.60	68966.33	0.100
5	Sulfate	7.27	256597.38	1.000
6	Bromide	8.00	36182.62	0.252
7	Nitrate	9.40	78482.00	0.100
	O-phos			



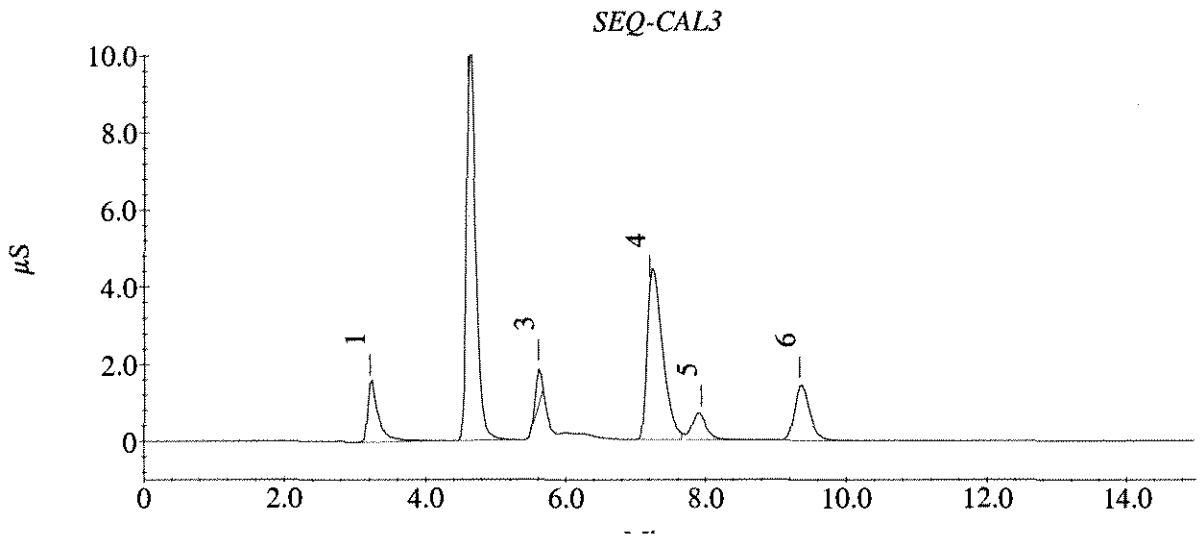
Sample Analysis Report

Sample Name : SEQ-CAL3
Data File Name : c:\peaknet\data\2010\oct10\102010_059.DXD

Method File Name : c:\peaknet\method\anions\anions082510.met
Date Time Collected : 10/21/10 11:02:53 AM
System Operator : : KBG
Calibration Date : 9/1/10 12:55:00 PM
Method Comment: EPA 300.0 :

Peak Information : All Components

Peak #	Component Name	Retention Time	Peak Area	Concentration (mg/L)
1	Fluoride	3.20	168348	0.282
2	Chloride	4.60	938242	2.317
3	Nitrite	5.60	53290	0.053
4	Sulfate	7.20	684921	2.397
5	Bromide	7.93	101073	0.684
6	Nitrate	9.33	217312	0.223
	O-phos			



Calibration Update Report

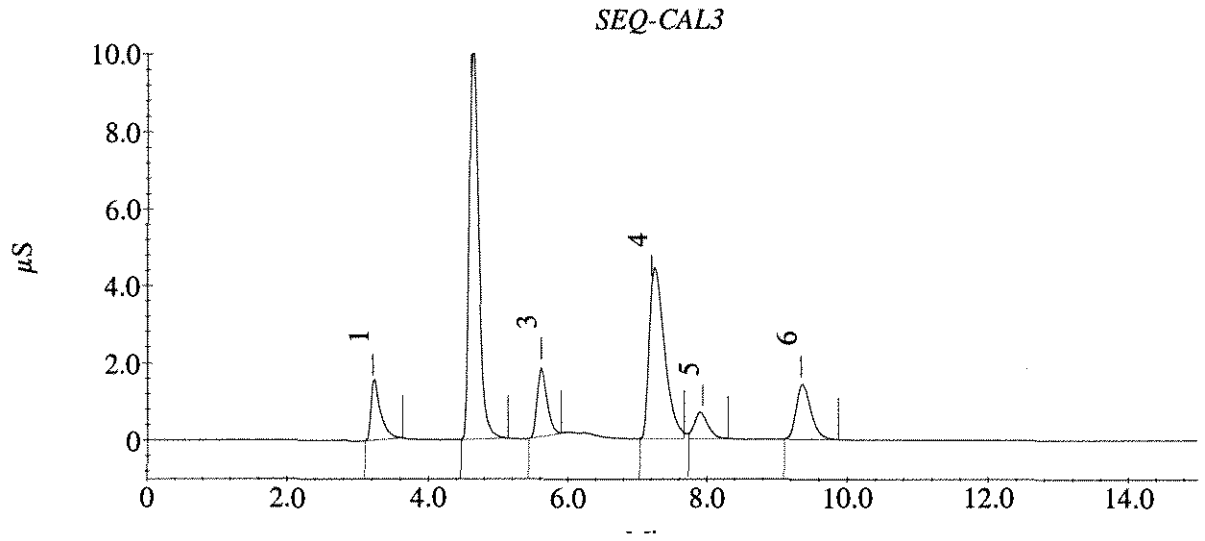
Sample Name : SEQ-CAL3 1050797
Data File Name : C:\PEAKNET\DATA\2010\OCT10\102010_059.DXD

Method File Name : C:\PeakNet\method\ANIONS\Anions102110.met
Schedule File Name : c:\peaknet\schedule\2010\oct\102010.sch
Date Time Collected : 10/21/10 11:02:53 AM
Calibration Date : 10/22/10 10:25:52 AM
System Operator: ~~TJM~~ : KBG

(CE) KBG
10/22/10

Peak Information : All Components

Peak #	Component Name	Retention Time	Cal Response New	Concentration (mg/L)
1	Fluoride	3.20	147304.00	0.250
2	Chloride	4.60	931304.00	2.500
3	Nitrite	5.60	174727.00	0.250
4	Sulfate	7.20	681370.00	2.500
5	Bromide	7.93	94397.63	0.630
6	Nitrate	9.33	211446.00	0.025
	O-phos			



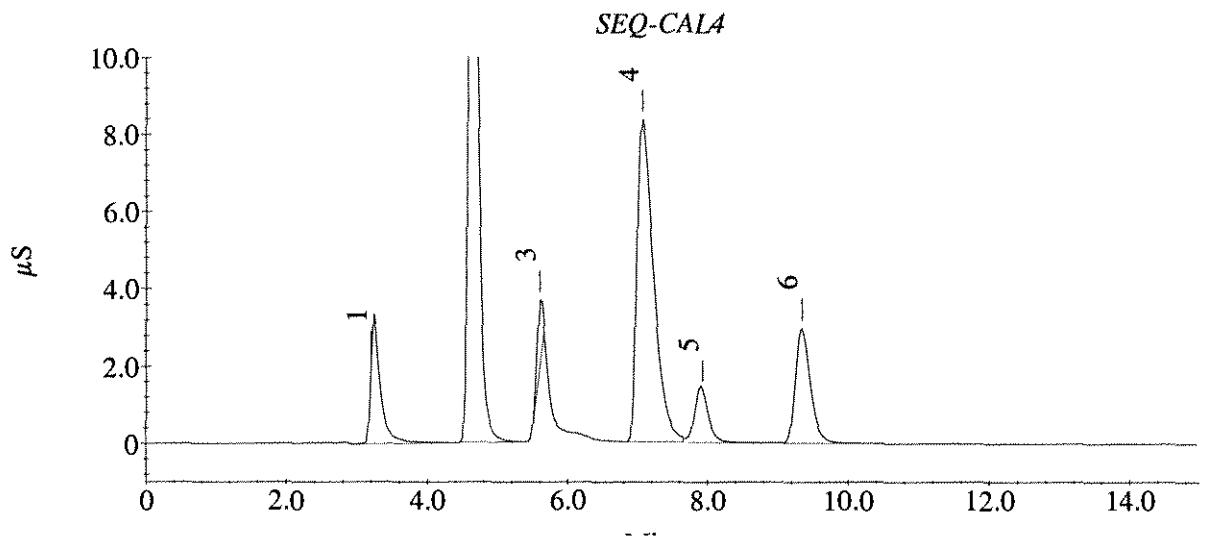
Sample Analysis Report

Sample Name : SEQ-CAL4
Data File Name : c:\peaknet\data\2010\oct10\102010_060.DXD

Method File Name : c:\peaknet\method\anions\anions082510.met
Date Time Collected : 10/21/10 11:20:20 AM
System Operator : : KBG
Calibration Date : 9/1/10 12:55:00 PM
Method Comment: EPA 300.0 :

Peak Information : All Components

Peak #	Component Name	Retention Time	Peak Area	Concentration (mg/L)
1	Fluoride	3.20	321428	0.543
2	Chloride	4.67	1851575	4.698
3	Nitrite	5.60	97418	0.103
4	Sulfate	7.07	1381266	4.803
5	Bromide	7.93	196774	1.262
6	Nitrate	9.33	443937	0.457
	O-phos			



Calibration Update Report

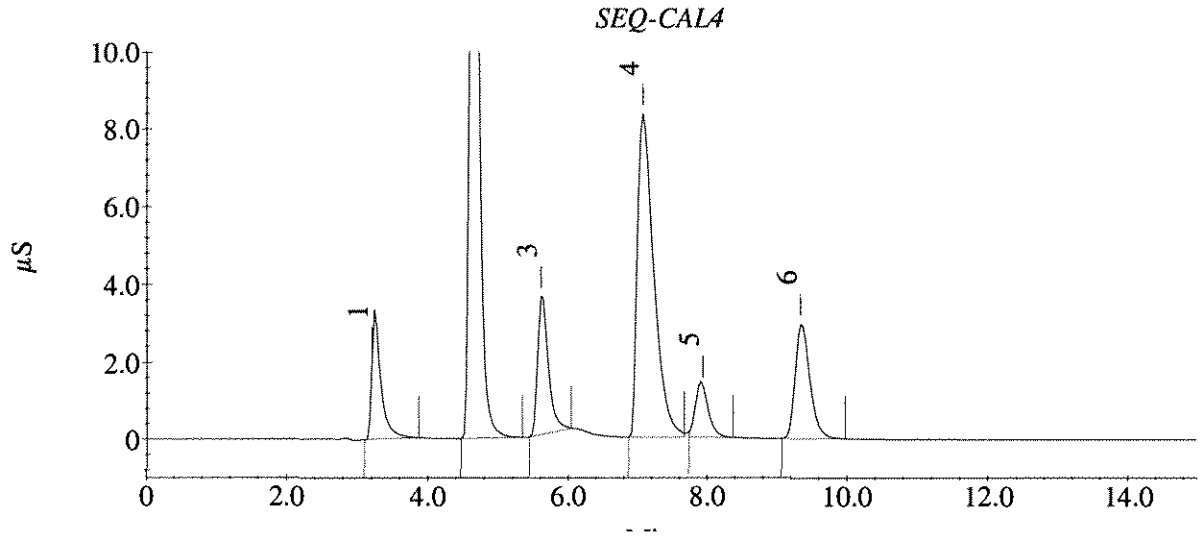
Sample Name : SEQ-CAL4 1050798
Data File Name : C:\PEAKNET\DATA\2010\OCT10\102010_060.DXD

Method File Name : C:\PeakNet\method\ANIONS\Anions102110.met
Schedule File Name : c:\peaknet\schedule\2010\oct\102010.sch
Date Time Collected : 10/21/10 11:20:20 AM
Calibration Date : ~~10/22/10 10:25:52 AM~~ 10/21/10
System Operator: ~~TJM~~ : KBG

(CE) KBG
10/22/10

Peak Information : All Components

Peak #	Component Name	Retention Time	Cal Response New	Concentration (mg/L)
1	Fluoride	3.20	300886.00	0.500
2	Chloride	4.67	1851575.00	5.000
3	Nitrite	5.60	385805.00	0.500
4	Sulfate	7.07	1376778.39	5.000
5	Bromide	7.93	188246.00	1.260
6	Nitrate	9.33	438526.00	0.500
	O-phos			



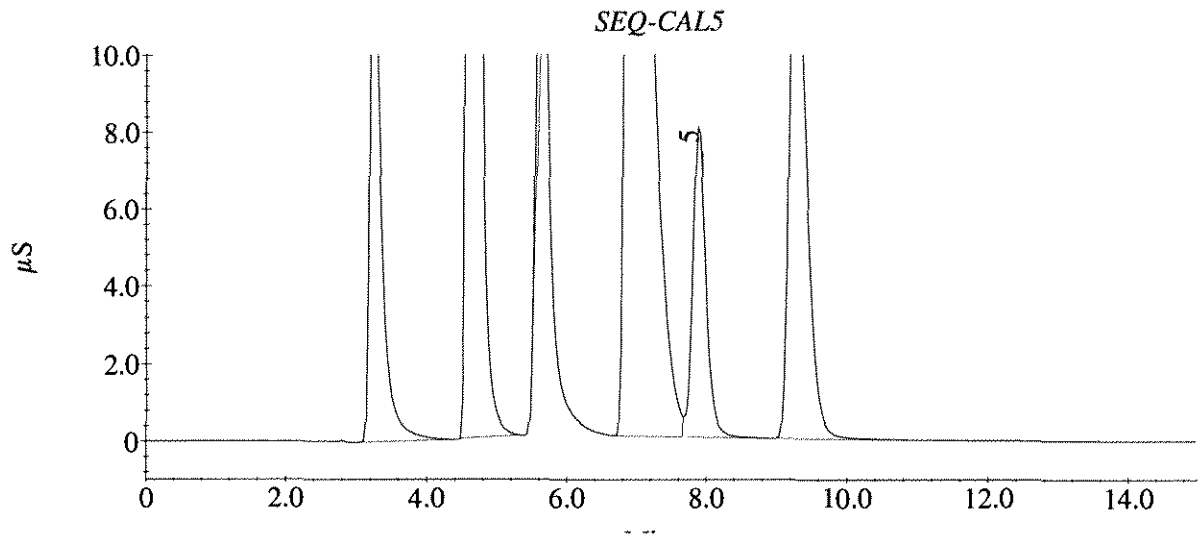
Sample Analysis Report

Sample Name : SEQ-CAL5
Data File Name : c:\peaknet\data\2010\oct10\102010_061.DXD

Method File Name : c:\peaknet\method\anions\anions082510.met
Date Time Collected : 10/21/10 11:37:44 AM
System Operator : : KBG
Calibration Date : 9/1/10 12:55:00 PM
Method Comment: EPA 300.0 :

Peak Information : All Components

Peak #	Component Name	Retention Time	Peak Area	Concentration (mg/L)
1	Fluoride	3.20	1593167	2.712
2	Chloride	4.67	9427494	24.447
3	Nitrite	5.60	385674	0.431
4	Sulfate	6.93	6990031	24.183
5	Bromide	7.93	1046453	6.401
6	Nitrate	9.27	2341443	2.413
	O-phos			



Calibration Update Report

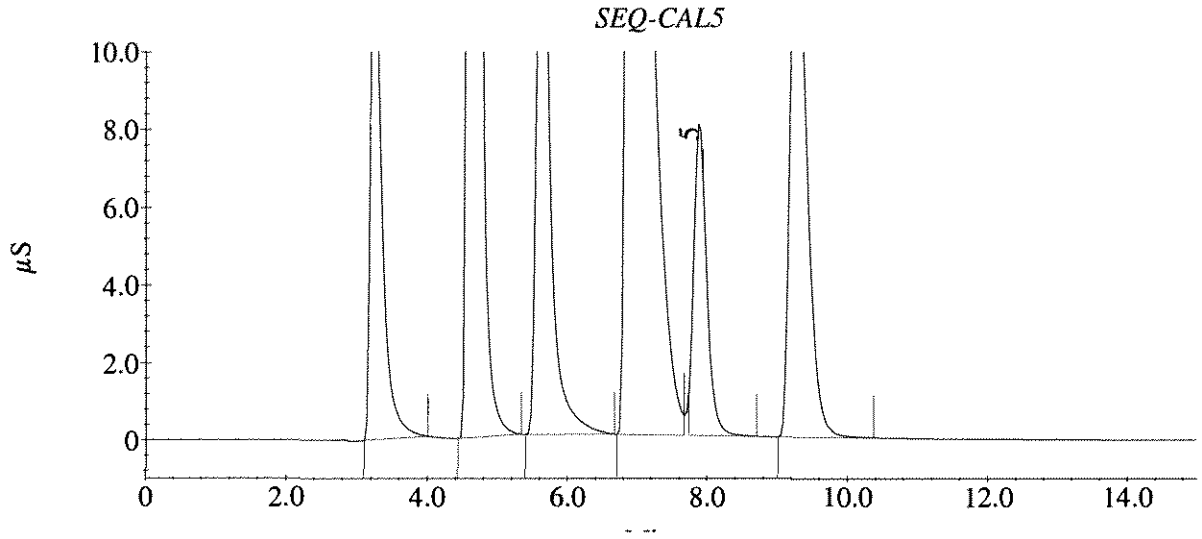
Sample Name : SEQ-CAL5 1050799
Data File Name : C:\PEAKNET\DATA\2010\OCT10\102010_061.DXD

Method File Name : C:\PeakNet\method\ANIONS\Anions102110.met
Schedule File Name : c:\peaknet\schedule\2010\oct\102010.sch
Date Time Collected : 10/21/10 11:37:44 AM
Calibration Date : ~~10/22/10 10:25:52 AM~~ 10/21/10
System Operator: ~~TJM~~ : KBG

(CE) KBG
10/22/10

Peak Information : All Components

Peak #	Component Name	Retention Time	Cal Response New	Concentration (mg/L)
1	Fluoride	3.20	1557940.00	2.500
2	Chloride	4.67	9435202.00	25.000
3	Nitrite	5.60	2152581.00	2.500
4	Sulfate	6.93	6988815.09	25.000
5	Bromide	7.93	1042012.50	6.300
6	Nitrate	9.27	2333314.00	2.500
	O-phos			



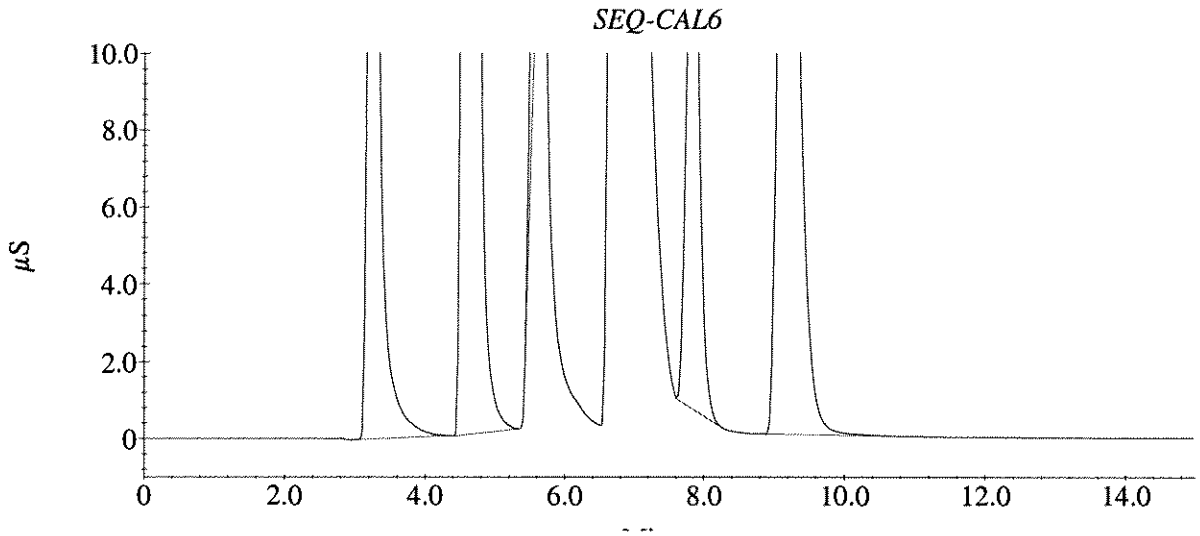
Sample Analysis Report

Sample Name : SEQ-CAL6
Data File Name : c:\peaknet\data\2010\oct10\102010_062.DXD

Method File Name : c:\peaknet\method\anions\anions082510.met
Date Time Collected : 10/21/10 11:55:10 AM
System Operator : : KBG
Calibration Date : 9/1/10 12:55:00 PM
Method Comment: EPA 300.0 :

Peak Information : All Components

Peak #	Component Name	Retention Time	Peak Area	Concentration (mg/L)
1	Fluoride	3.20	2950433	5.028
2	Chloride	4.60	18764154	48.786
3	Nitrite	5.60	1423216	1.610
	Sulfate			
4	Bromide	7.80	1896122	11.539
5	Nitrate	9.13	4672845	4.817
	O-phos			



Calibration Update Report

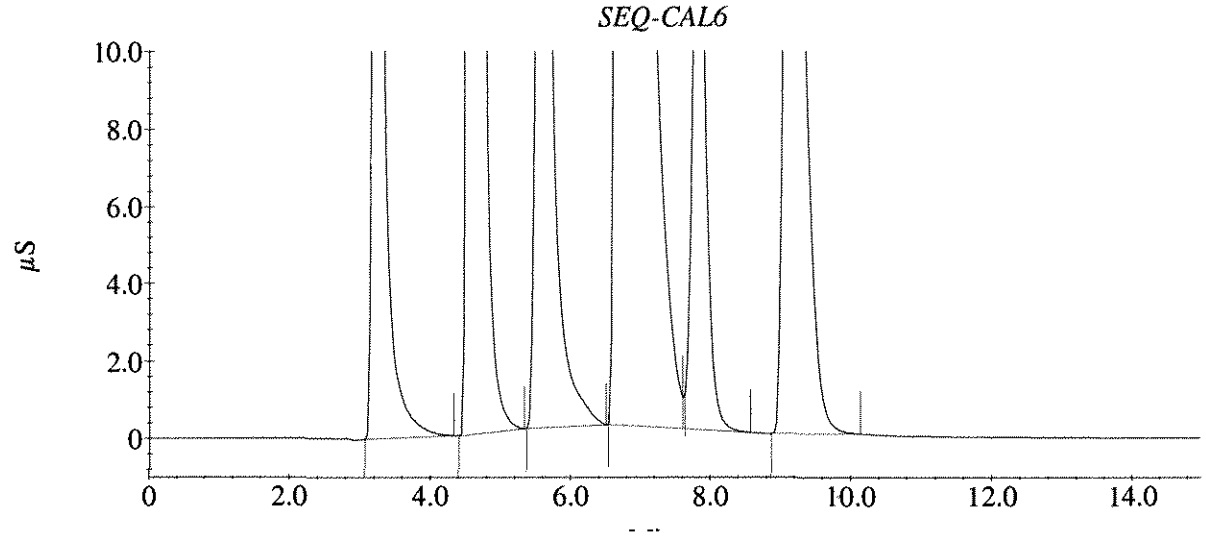
Sample Name : SEQ-CAL6 10J0800
Data File Name : C:\PEAKNET\DATA\2010\OCT10\102010_062.DXD

Method File Name : C:\PeakNet\method\ANIONS\Anions102110.met
Schedule File Name : c:\peaknet\schedule\2010\oct\102010.sch
Date Time Collected : 10/21/10 11:55:10 AM
Calibration Date : ~~10/22/10 10:25:52 AM~~ 10/21/10
System Operator: ~~TJM~~ : KBG

(ACE) KBG
10/22/10

Peak Information : All Components

Peak #	Component Name	Retention Time	Cal Response New	Concentration (mg/L)
1	Fluoride	3.20	2948237.00	5.000
2	Chloride	4.60	18764154.00	50.000
3	Nitrite	5.60	4117893.00	5.000
4	Sulfate	6.73	13913884.82	50.000
5	Bromide	7.80	2073367.70	12.600
6	Nitrate	9.13	4652219.00	5.000
	O-phos			



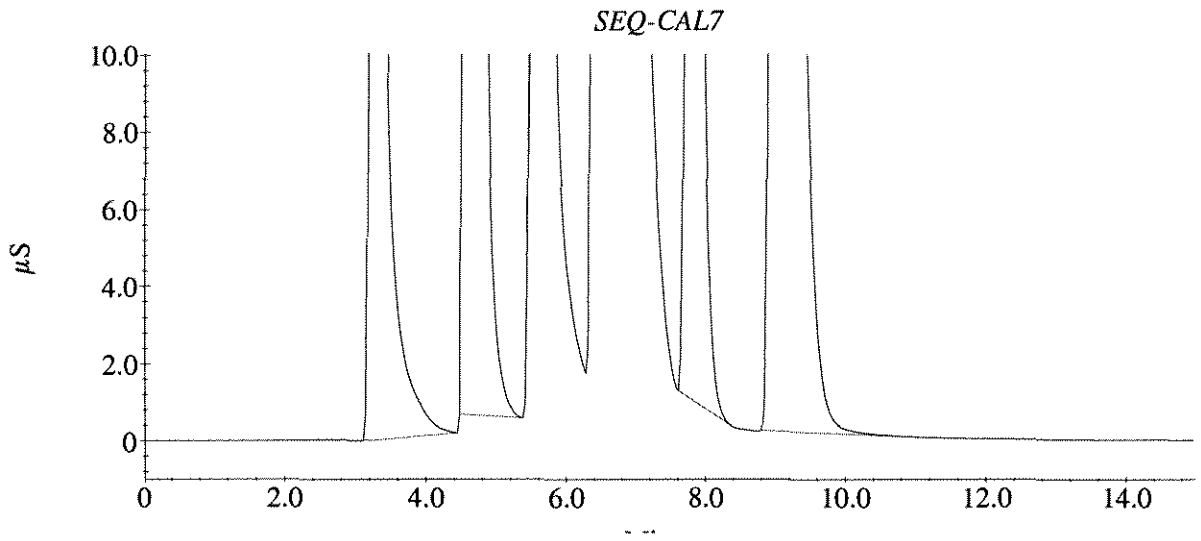
Sample Analysis Report

Sample Name : SEQ-CAL7
Data File Name : c:\peaknet\data\2010\oct10\102010_063.DXD

Method File Name : c:\peaknet\method\anions\anions082510.met
Date Time Collected : 10/21/10 12:12:34 PM
System Operator : : KBG
Calibration Date : 9/1/10 12:55:00 PM
Method Comment: EPA 300.0 :

Peak Information : All Components

Peak #	Component Name	Retention Time	Peak Area	Concentration (mg/L)
1	Fluoride	3.27	6506687	11.094
2	Chloride	4.67	44797358	116.651
3	Nitrite	5.60	2499536	2.832
	Sulfate			
4	Bromide	7.80	4715016	28.586
	Nitrate			
	O-phos			



Calibration Update Report

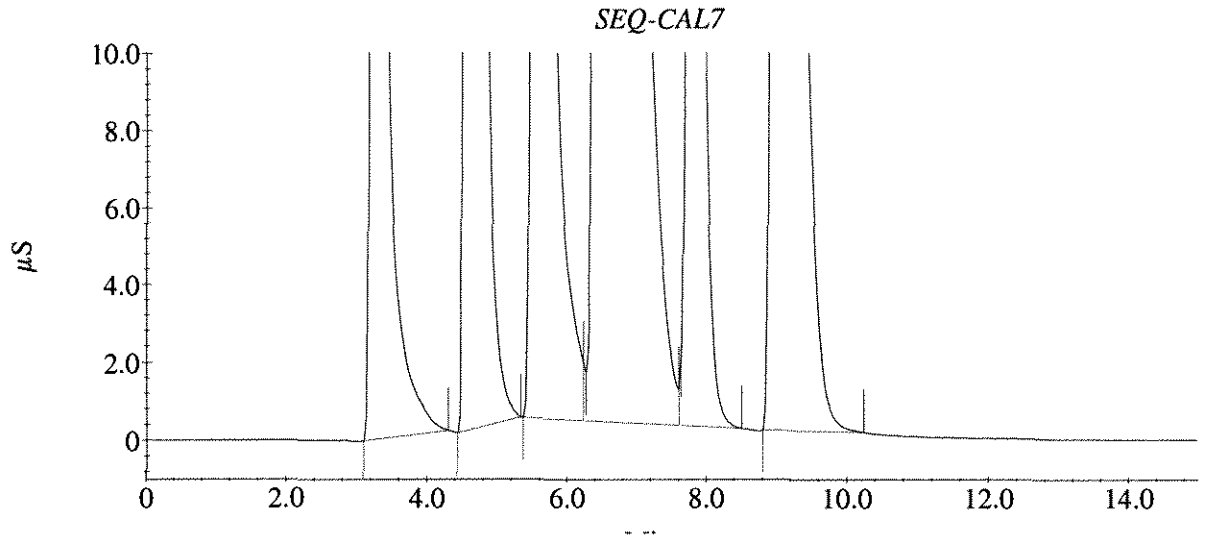
Sample Name : SEQ-CAL7 1050801
Data File Name : C:\PEAKNET\DATA\2010\OCT10\102010_063.DXD

Method File Name : C:\PeakNet\method\ANIONS\Anions102110.met
Schedule File Name : c:\peaknet\schedule\2010\oct\102010.sch
Date Time Collected : 10/21/10 12:12:34 PM
Calibration Date : ~~10/22/10 10:25:52 AM~~ 10/21/10
System Operator: ~~TJM~~ : KBG

ACE KBG
10/22/10

Peak Information : All Components

Peak #	Component Name	Retention Time	Cal Response New	Concentration (mg/L)
1	Fluoride	3.27	6478139.00	~~12.500~~ not used
2	Chloride	4.67	44927570.00	125.000
3	Nitrite	5.60	9081346.36	~~12.500~~ not used
4	Sulfate	6.47	33635604.80	125.000
5	Bromide	7.80	4936879.64	~~31.500~~ not used
6	Nitrate	9.00	11184492.00	12.500
	O-phos			



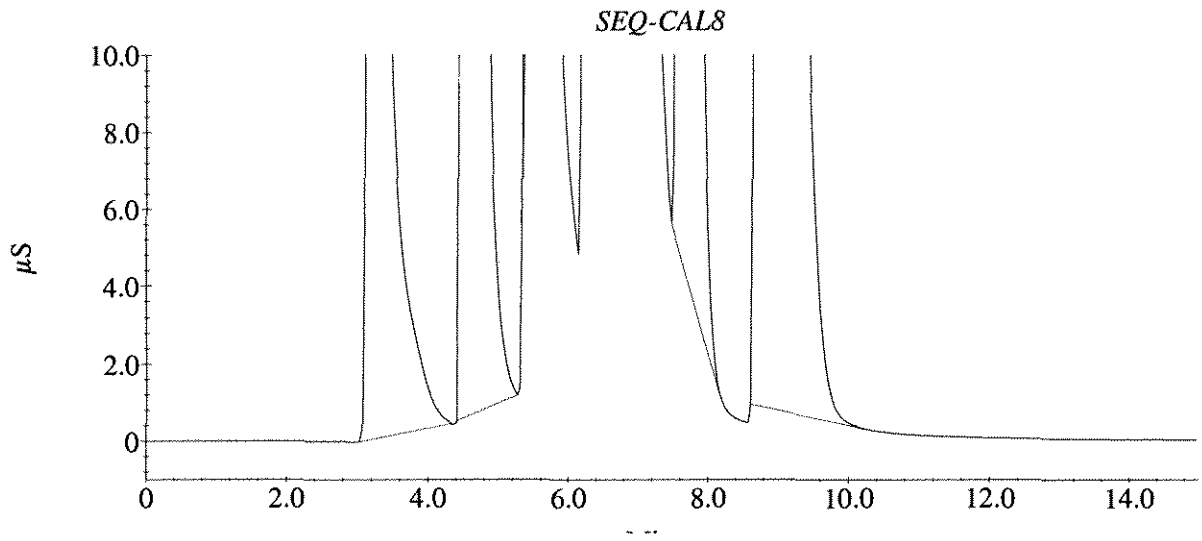
Sample Analysis Report

Sample Name : SEQ-CAL8
Data File Name : c:\peaknet\data\2010\oct10\102010_064.DXD

Method File Name : c:\peaknet\method\anions\anions082510.met
Date Time Collected : 10/21/10 12:29:59 PM
System Operator : : KBG
Calibration Date : 9/1/10 12:55:00 PM
Method Comment: EPA 300.0 :

Peak Information : All Components

Peak #	Component Name	Retention Time	Peak Area	Concentration (mg/L)
1	Fluoride	3.20	12039850	20.534
2	Chloride	4.60	91302784	237.884
3	Nitrite Sulfate	5.53	8389531	9.524
4	Bromide Nitrate O-phos	7.67	9360744	56.681



Calibration Update Report

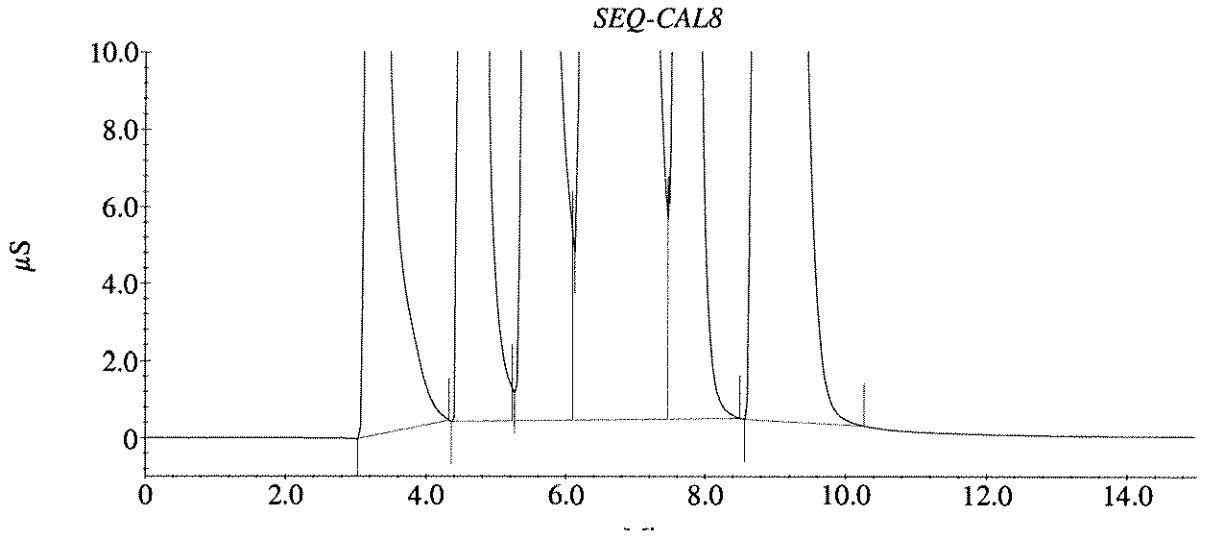
Sample Name : SEQ-CAL8
Data File Name : C:\PEAKNET\DATA\2010\OCT10\102010_064.DXD

Method File Name : C:\PeakNet\method\ANIONS\Anions102110.met
Schedule File Name : c:\peaknet\schedule\2010\oct\102010.sch
Date Time Collected : 10/21/10 12:29:59 PM
Calibration Date : ~~10/22/10 11:30:36 AM~~ 10/21/10
System Operator: ~~TJM~~ : KBG

ACE KBG
10/22/10

Peak Information : All Components

Peak #	Component Name	Retention Time	Cal Response New	Concentration (mg/L)
1	Fluoride	3.20	12039850.00	~~25.000~~ not used
2	Chloride	4.60	91520131.66	250.000
3	Nitrite	5.53	17279134.56	~~25.000~~ not used
4	Sulfate	6.33	68876967.25	250.000
5	Bromide	7.67	10584440.50	~~63.000~~ not used
6	Nitrate	8.80	23401840.00	25.000
	O-phos			



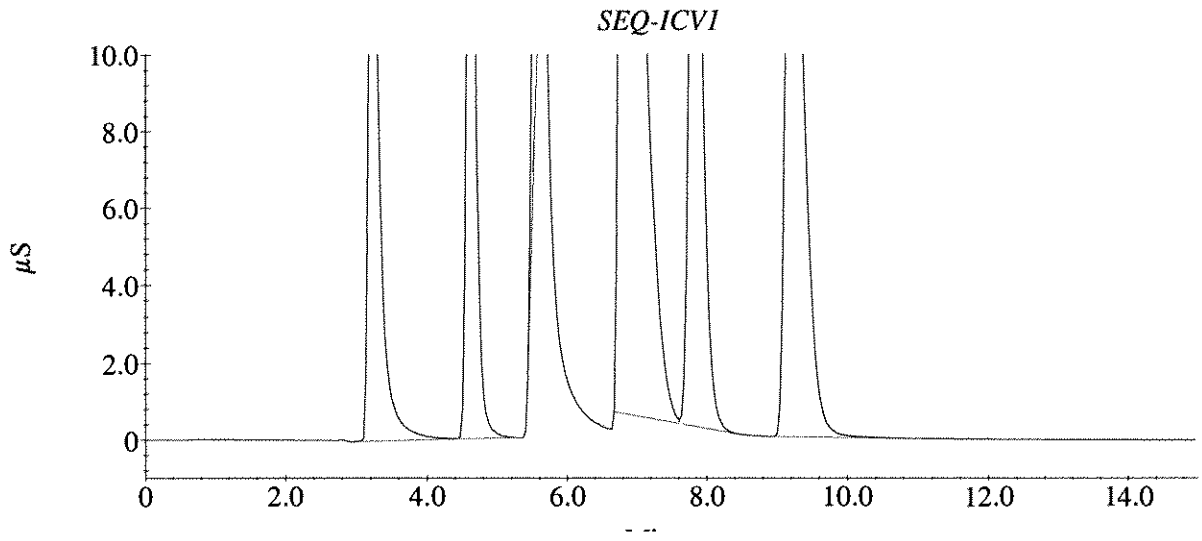
Sample Analysis Report

Sample Name : SEQ-ICV1
Data File Name : c:\peaknet\data\2010\oct10\102010_065.DXD

Method File Name : c:\peaknet\method\anions\anions082510.met
Date Time Collected : 10/21/10 12:47:24 PM
System Operator : : KBG
Calibration Date : 9/1/10 12:55:00 PM
Method Comment: EPA 300.0 :

Peak Information : All Components

Peak #	Component Name	Retention Time	Peak Area	Concentration (mg/L)
1	Fluoride	3.20	1875464	3.194
2	Chloride	4.67	1748062	4.428
3	Nitrite	5.53	1301688	1.472
4	Sulfate	6.87	6241490	21.596
5	Bromide	7.87	2530972	15.378
6	Nitrate	9.20	3272598	3.374
	O-phos			



Sample Analysis Report

Sample Name : SEQ-ICV1 1050803
Data File Name : C:\PEAKNET\DATA\2010\OCT10\102010_065.DXD

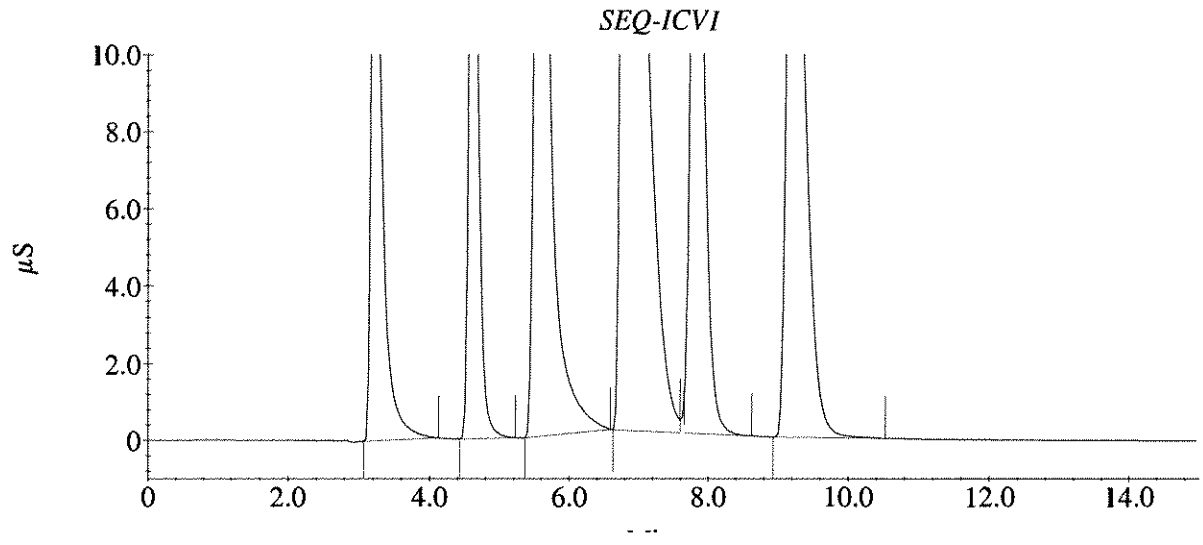
Method File Name : C:\PeakNet\method\ANIONS\Anions102110.met
Date Time Collected : 10/21/10 12:47:24 PM
System Operator : : KBG
Calibration Date : ~~10/22/10 10:19:56 AM~~ 10/21/10
Method Comment: EPA 300.0 :

(CE) KBG
10/22/10

Peak Information : All Components

±10%

Peak #	Component Name	Retention Time	Peak Area	Concentration (mg/L)
1	Fluoride	3.20	1848884	3.097 96.8
2	Chloride	4.67	1744665	4.639 96.6
3	Nitrite	5.53	3763890	4.529 93.1
4	Sulfate	6.87	6441682	23.526 98
5	Bromide	7.87	2591208	15.718 98.2
6	Nitrate	9.20	3269668	3.531 97.6
	O-phos			



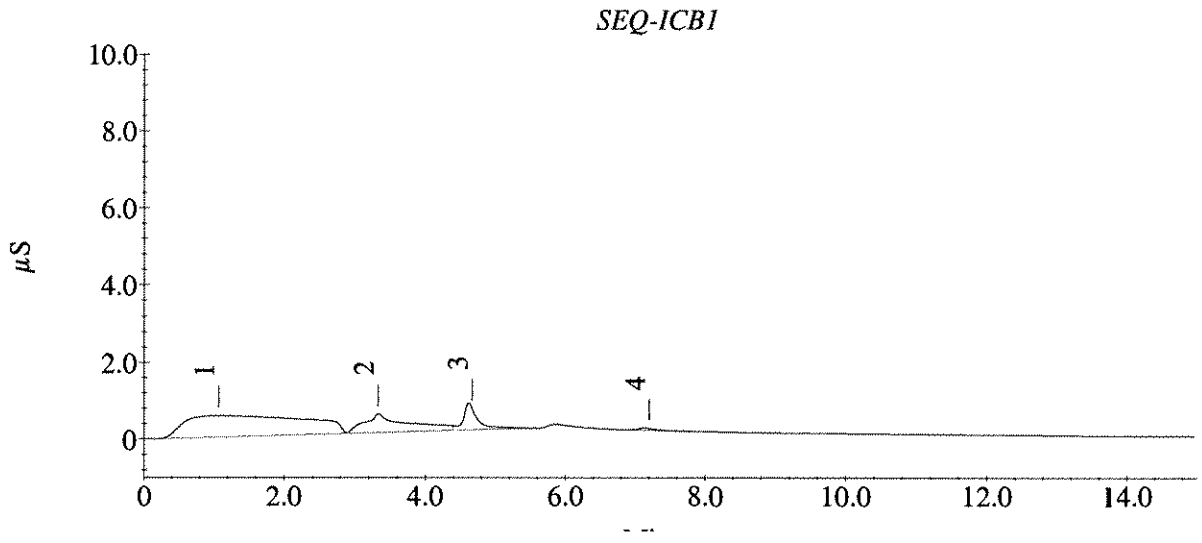
Sample Analysis Report

Sample Name : SEQ-ICB1
Data File Name : c:\peaknet\data\2010\oct10\102010_066.DXD

Method File Name : c:\peaknet\method\anions\anions082510.met
Date Time Collected : 10/21/10 1:04:51 PM
System Operator : : KBG
Calibration Date : 9/1/10 12:55:00 PM
Method Comment: EPA 300.0 :

Peak Information : All Components

Peak #	Component Name	Retention Time	Peak Area	Concentration (mg/L)
2	Fluoride	3.33	209630	0.352
3	Chloride	4.67	98788	0.128
	Nitrite			
4	Sulfate	7.20	10032	0.065
	Bromide			
	Nitrate			
	O-phos			



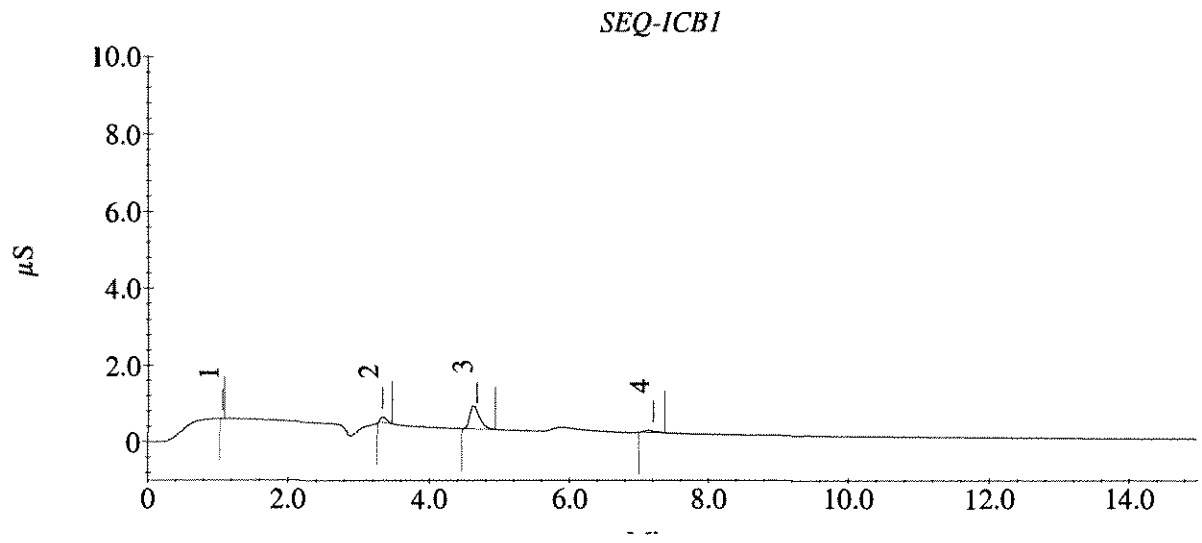
Sample Analysis Report

Sample Name : SEQ-ICB1
Data File Name : C:\PEAKNET\DATA\2010\OCT10\102010_066.DXD

Method File Name : C:\PeakNet\method\ANIONS\Anions102110.met
Date Time Collected : 10/21/10 1:04:51 PM
System Operator : : KBG 10/21/10 ⓒ KBG
Calibration Date : ~~10/22/10 10:19:56 AM~~ 10/22/10
Method Comment: EPA 300.0 :

Peak Information : All Components

Peak #	Component Name	Retention Time	Peak Area	Concentration (mg/L)
2	Fluoride	3.33	9182	0.006
3	Chloride	4.67	58078	0.017
	Nitrite			
4	Sulfate	7.20	5478	0.080
	Bromide			
	Nitrate			
	O-phos			



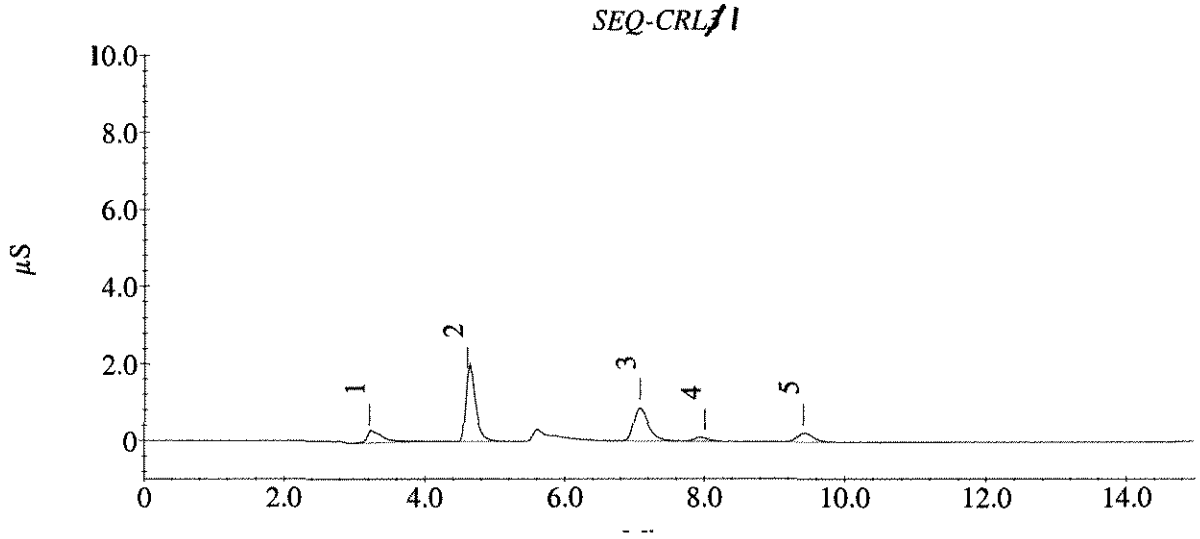
Sample Analysis Report

Sample Name : SEQ-CRL3 I
Data File Name : c:\peaknet\data\2010\oct10\102010_067.DXD

Method File Name : c:\peaknet\method\anions\anions082510.met
Date Time Collected : 10/21/10 1:22:16 PM
System Operator : : KBG
Calibration Date : 9/1/10 12:55:00 PM
Method Comment: EPA 300.0 :

Peak Information : All Components

Peak #	Component Name	Retention Time	Peak Area	Concentration (mg/L)
1	Fluoride	3.20	52992	0.085
2	Chloride Nitrite	4.60	189964	0.366
3	Sulfate	7.07	127847	0.472
4	Bromide	8.00	16241	0.171
5	Nitrate O-phos	9.40	38734	0.039



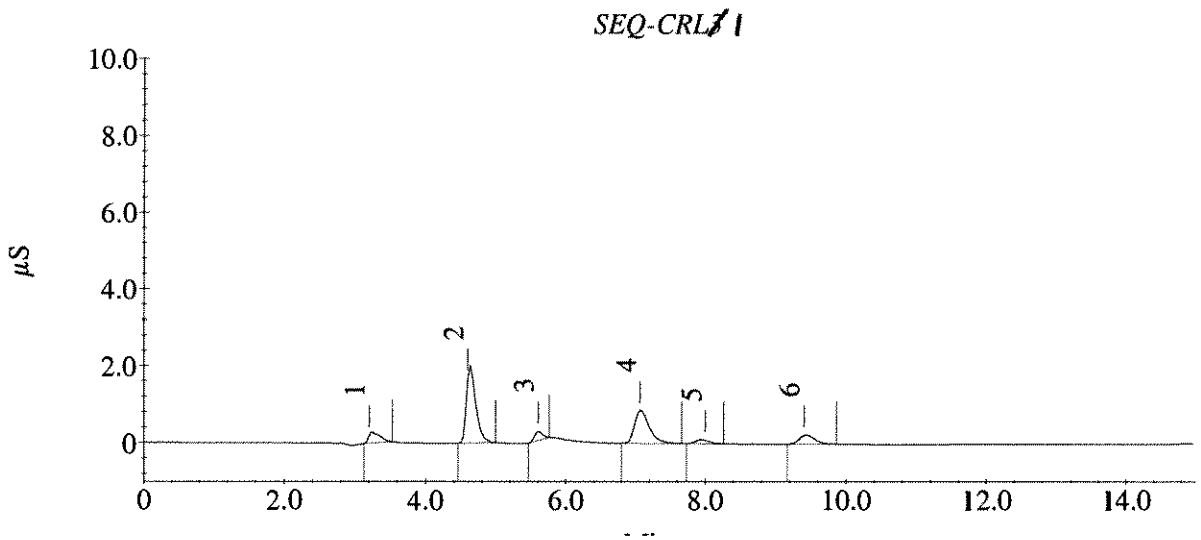
Sample Analysis Report

Sample Name : SEQ-CRL8/1
Data File Name : C:\PEAKNET\DATA\2010\OCT10\102010_067.DXD

Method File Name : C:\PeakNet\method\ANIONS\Anions102110.met
Date Time Collected : 10/21/10 1:22:16 PM
System Operator : : KBG 10/21/10
Calibration Date : ~~10/22/10 10:19:56 AM~~ KBG
Method Comment: EPA 300.0 :

Peak Information : All Components ±25%

Peak #	Component Name	Retention Time	Peak Area	Concentration (mg/L)
1	Fluoride	3.20	31526	0.044
2	Chloride	4.60	185167	0.365
3	Nitrite	5.60	19172	0.034
4	Sulfate	7.07	127238	0.523
5	Bromide	8.00	15037	0.132 104.8
6	Nitrate	9.40	37392	0.050
	O-phos			



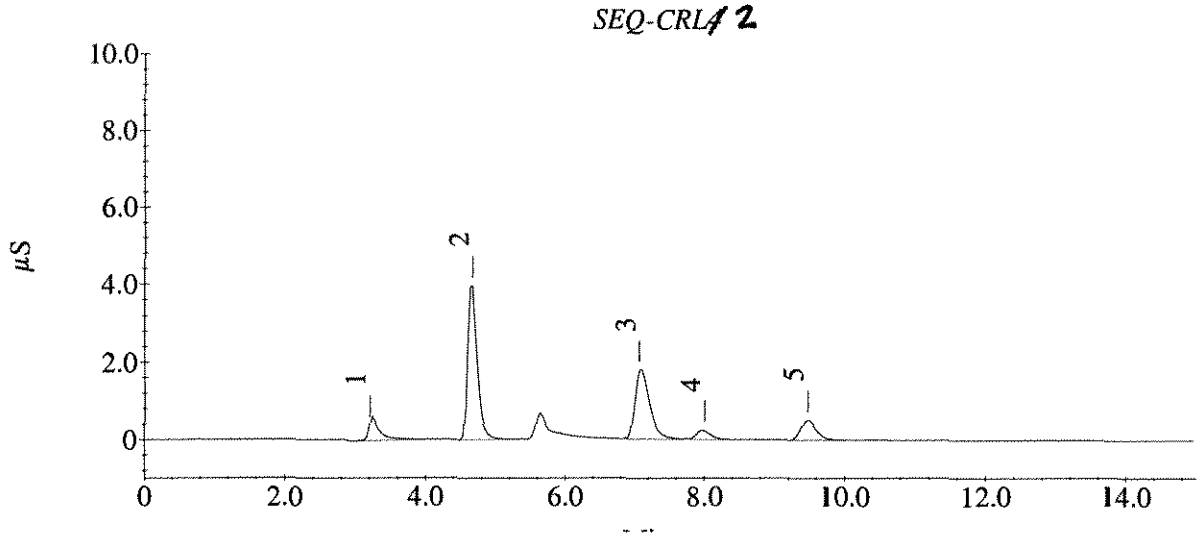
Sample Analysis Report

Sample Name : SEQ-CRL4 2
Data File Name : c:\peaknet\data\2010\oct10\102010_068.DXD

Method File Name : c:\peaknet\method\anions\anions082510.met
Date Time Collected : 10/21/10 1:39:40 PM
System Operator : : KBG
Calibration Date : 9/1/10 12:55:00 PM
Method Comment: EPA 300.0 :

Peak Information : All Components

Peak #	Component Name	Retention Time	Peak Area	Concentration (mg/L)
1	Fluoride	3.20	70602	0.115
2	Chloride	4.67	375022	0.849
	Nitrite			
3	Sulfate	7.07	267159	0.953
4	Bromide	8.00	35140	0.285
5	Nitrate	9.47	82339	0.084
	O-phos			



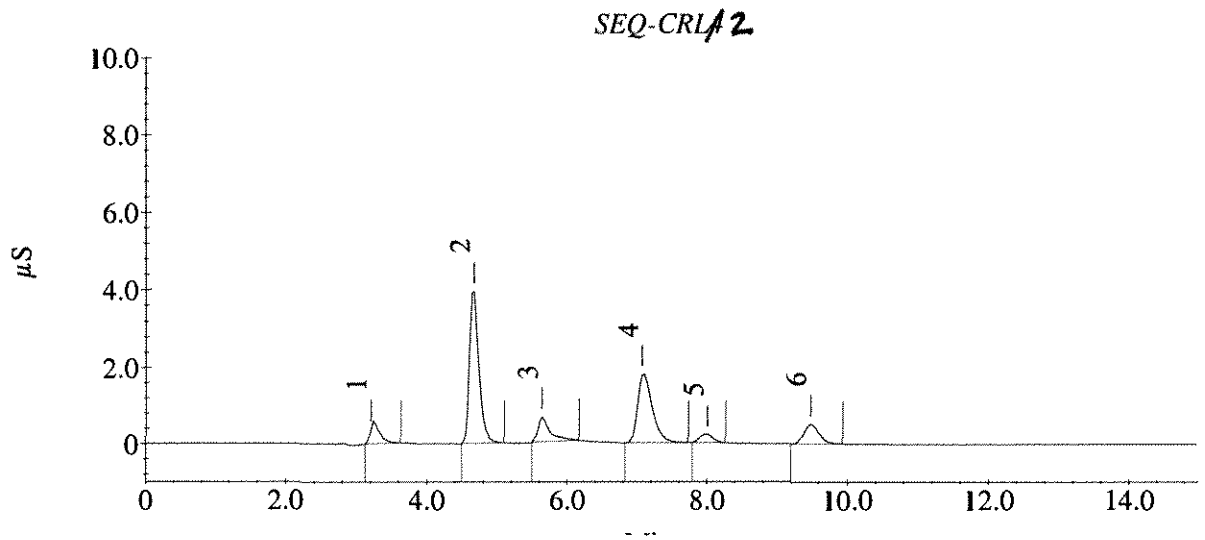
Sample Analysis Report

Sample Name : SEQ-CRL1 2.
Data File Name : C:\PEAKNET\DATA\2010\OCT10\102010_068.DXD

Method File Name : C:\PeakNet\method\ANIONS\Anions102110.met
Date Time Collected : 10/21/10 1:39:40 PM
System Operator : : KBG 10/21/10 (AC) KBG
Calibration Date : ~~10/22/10 10:19:56 AM~~ KBG 10/22/10
Method Comment: EPA 300.0 :

Peak Information : All Components ±25%

Peak #	Component Name	Retention Time	Peak Area	Concentration (mg/L)
1	Fluoride	3.20	54086	0.082 82
2	Chloride	4.67	370562	0.873 87.3
3	Nitrite	5.63	78816	0.106 106
4	Sulfate	7.07	264289	1.023 102.3
5	Bromide	8.00	30024	0.222
6	Nitrate	9.47	78753	0.095 95
	O-phos			



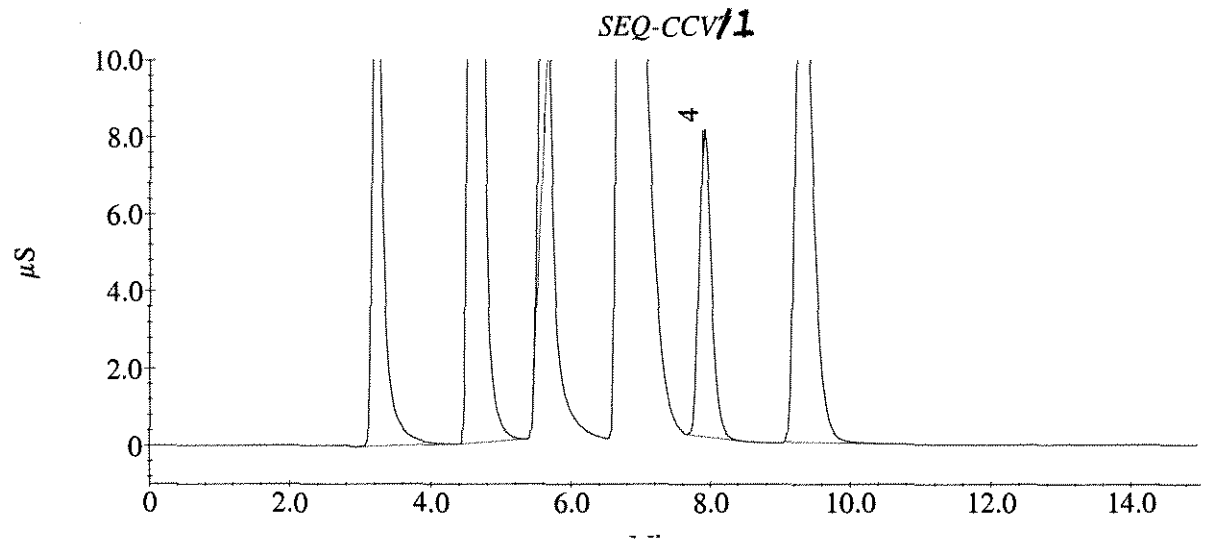
Sample Analysis Report

Sample Name : SEQ-CCV1 1
Data File Name : c:\peaknet\data\2010\oct10\102010_069.DXD

Method File Name : c:\peaknet\method\anions\anions082510.met
Date Time Collected : 10/21/10 1:57:05 PM
System Operator : : KBG
Calibration Date : 9/1/10 12:55:00 PM
Method Comment: EPA 300.0 :

Peak Information : All Components

Peak #	Component Name	Retention Time	Peak Area	Concentration (mg/L)
1	Fluoride	3.20	1527635	2.601
2	Chloride	4.60	9478757	24.581
3	Nitrite	5.60	669666	0.754
	Sulfate			
4	Bromide	7.87	994399	6.086
5	Nitrate	9.27	2366022	2.439
	O-phos			



Sample Analysis Report

Sample Name : SEQ-CCV1 1
Data File Name : C:\PEAKNET\DATA\2010\OCT10\102010_069.DXD

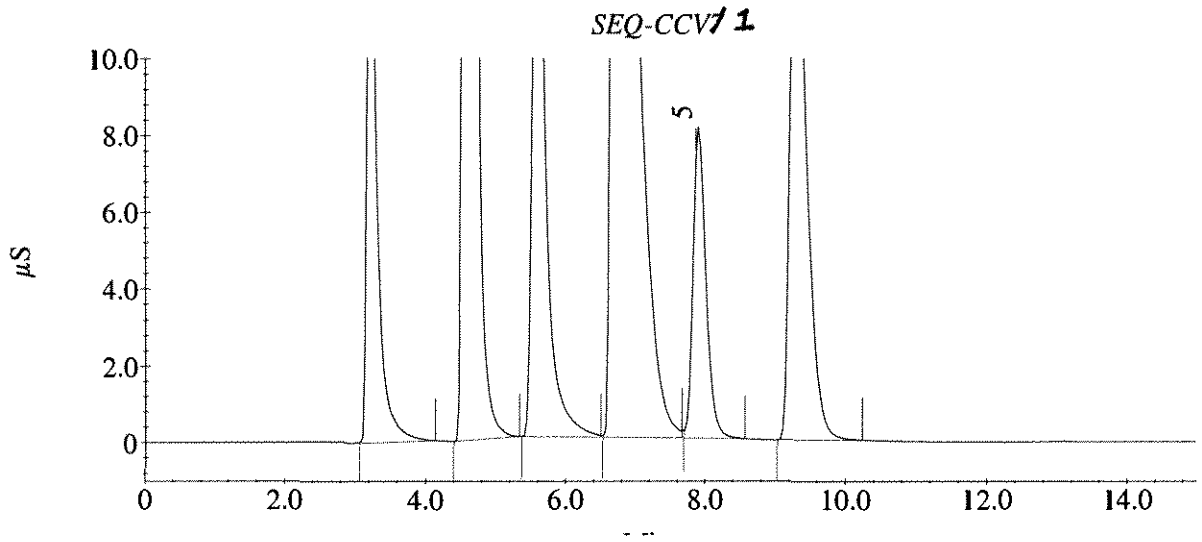
Method File Name : C:\PeakNet\method\ANIONS\Anions102110.met
Date Time Collected : 10/21/10 1:57:05 PM
System Operator : : KBG 10/21/10
Calibration Date : ~~10/22/10 10:19:56 AM~~ KBG
Method Comment: EPA 300.0 :

(ACE) KBG
10/22/10

Peak Information : All Components

± 10%

Peak #	Component Name	Retention Time	Peak Area	Concentration (mg/L)
1	Fluoride	3.20	1510831	2.529 101.2
2	Chloride	4.60	9478757	25.833 103.3
3	Nitrite	5.60	2185899	2.635 105.4
4	Sulfate	6.73	7092786	25.898 103.6
5	Bromide	7.87	1039761	6.332 100.5
6	Nitrate	9.27	2371957	2.564 102.6
	O-phos			



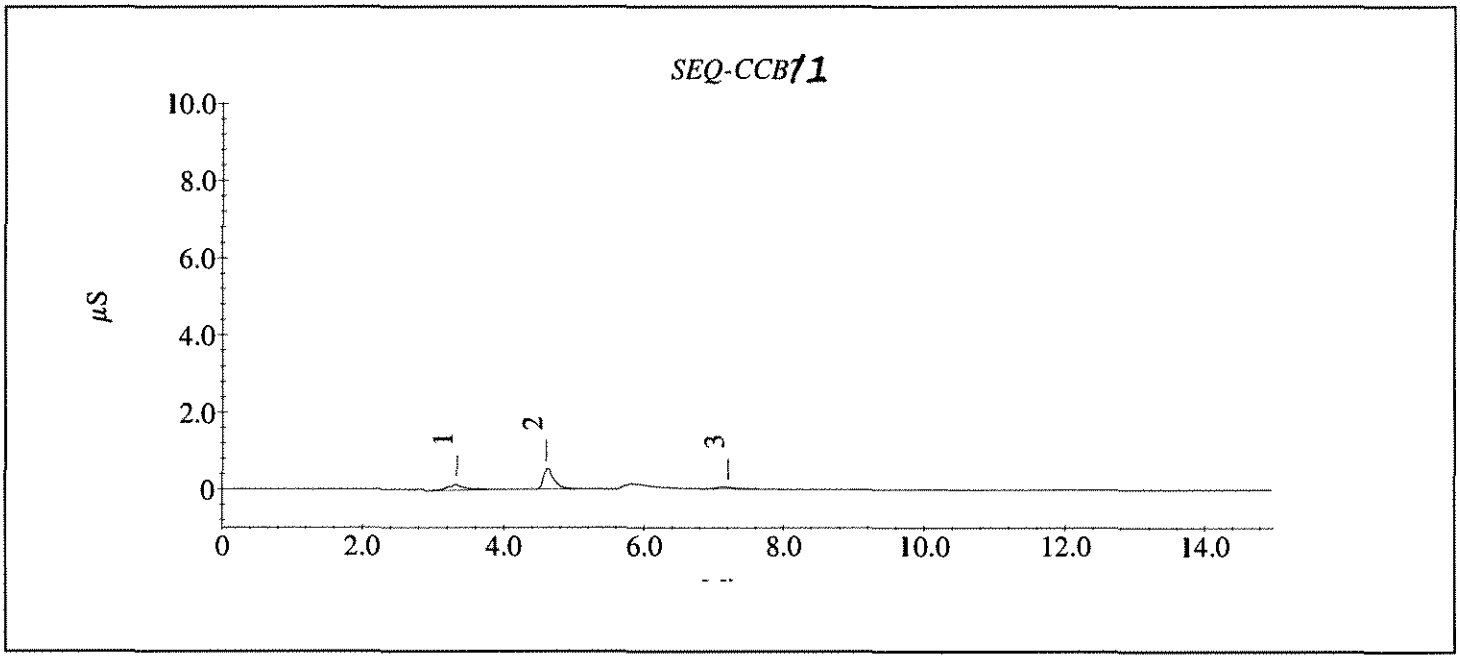
Sample Analysis Report

Sample Name : SEQ-CCB11
Data File Name : c:\peaknet\data\2010\oct10\102010_070.DXD

Method File Name : c:\peaknet\method\anions\anions082510.met
Date Time Collected : 10/21/10 2:14:30 PM
System Operator : : KBG
Calibration Date : 9/1/10 12:55:00 PM
Method Comment: EPA 300.0 :

Peak Information : All Components

Peak #	Component Name	Retention Time	Peak Area	Concentration (mg/L)
1	Fluoride	3.33	28206	0.043
2	Chloride	4.60	55974	0.017
	Nitrite			
3	Sulfate	7.20	10828	0.067
	Bromide			
	Nitrate			
	O-phos			



Sample Analysis Report

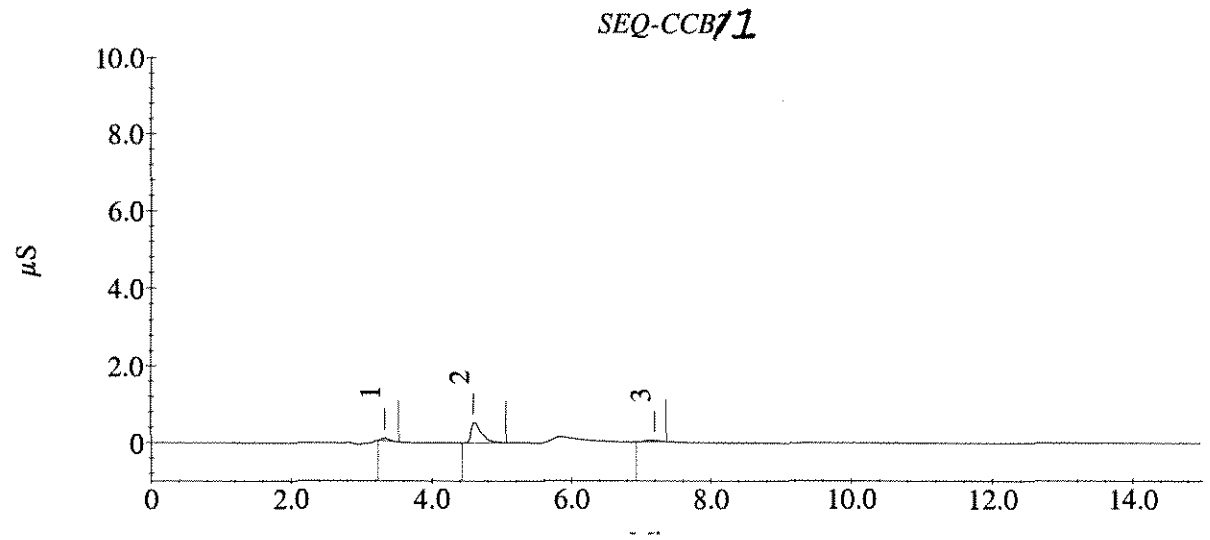
Sample Name : SEQ-CCB1 1
Data File Name : C:\PEAKNET\DATA\2010\OCT10\102010_070.DXD

Method File Name : C:\PeakNet\method\ANIONS\Anions102110.met
Date Time Collected : 10/21/10 2:14:30 PM
System Operator : : KBG 10/21/10
Calibration Date : ~~10/22/10 10:19:56 AM~~ KBG 10/22/10
Method Comment: EPA 300.0 :

© KBG

Peak Information : All Components

Peak #	Component Name	Retention Time	Peak Area	Concentration (mg/L)
1	Fluoride	3.33	5264	-0.000
2	Chloride Nitrite	4.60	55292	0.009
3	Sulfate Bromide Nitrate O-phos	7.20	5908	0.081



Schedule File: C:\PeakNet\schedule\2011\April2011\041911.sch

Line	Sample	Sample Type	Level	Method	Data File	Volume	Dilution	Weight
1	BLANK	Sample		anions102110rtupdate111810.met	041911	1	1	1
2	SEQ-CCV1	Sample		anions102110rtupdate111810.met	041911	1	1	1
3	SEQ-CCB1	Sample		anions102110rtupdate111810.met	041911	1	1	1
4	1104207-09	Sample		anions102110rtupdate111810.met	041911	1	1	1
5	SEQ-CRL1	Sample		anions102110rtupdate111810.met	041911	1	1	1
6	SEQ-CRL2	Sample		anions102110rtupdate111810.met	041911	1	1	1
7	1D19015-BS1	Sample		anions102110rtupdate111810.met	041911	1	1	1
8	1D19015-BLK1	Sample		anions102110rtupdate111810.met	041911	1	1	1
9	1104215-01✓	Sample		anions102110rtupdate111810.met	041911	1	1	1
10	1104215-02✓	Sample		anions102110rtupdate111810.met	041911	1	1	1
11	1104216-01	Sample		anions102110rtupdate111810.met	041911	1	1	1
12	1104216-02	Sample		anions102110rtupdate111810.met	041911	1	1	1
13	1104216-03	Sample		anions102110rtupdate111810.met	041911	1	1	1
14	SEQ-CCV2	Sample		anions102110rtupdate111810.met	041911	1	1	1
15	SEQ-CCB2	Sample		anions102110rtupdate111810.met	041911	1	1	1
16	1D19015-MS1	Sample		anions102110rtupdate111810.met	041911	1	1	1
17	1D19015-MSD1	Sample		anions102110rtupdate111810.met	041911	1	1	1
18	1D19015-DUP1	Sample		anions102110rtupdate111810.met	041911	1	1	1
19	1104216-04	Sample		anions102110rtupdate111810.met	041911	1	1	1
20	1104216-05	Sample		anions102110rtupdate111810.met	041911	1	1	1
21	1104216-06	Sample		anions102110rtupdate111810.met	041911	1	1	1
22	SEQ-CCV3	Sample		anions102110rtupdate111810.met	041911	1	1	1
23	SEQ-CCB3	Sample		anions102110rtupdate111810.met	041911	1	1	1
24	BLANK	Sample		anions102110rtupdate111810.met	041911	1	1	1
25	PUMP OFF	Sample		c:\peaknet\method\pumpoff.met	041911	1	1	1

SEQ : IE12705

4215 eFax

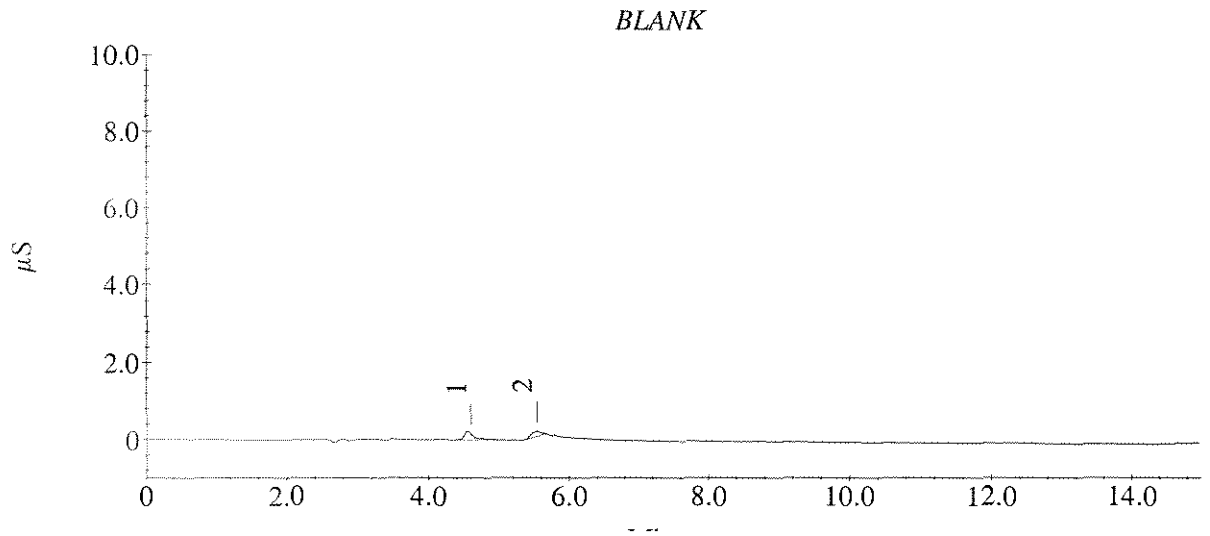
Sample Analysis Report

Sample Name : BLANK
Data File Name : c:\peaknet\data\2011\april2011\041911_001.DXD

Method File Name : c:\peaknet\method\anions\anions102110rtupdate111810.met
Date Time Collected : 4/19/11 12:24:13 PM
System Operator : : KBG
Calibration Date : 1/29/11 5:37:14 PM
Method Comment: EPA 300.0 :

Peak Information : All Components

Peak #	Component Name	Retention Time	Peak Area	Concentration (mg/L)
	Fluoride			
1	Chloride	4.60	23347	-0.078
2	Nitrite	5.53	14196	0.028
	Sulfate			
	Bromide			
	Nitrate			
	O-phos			



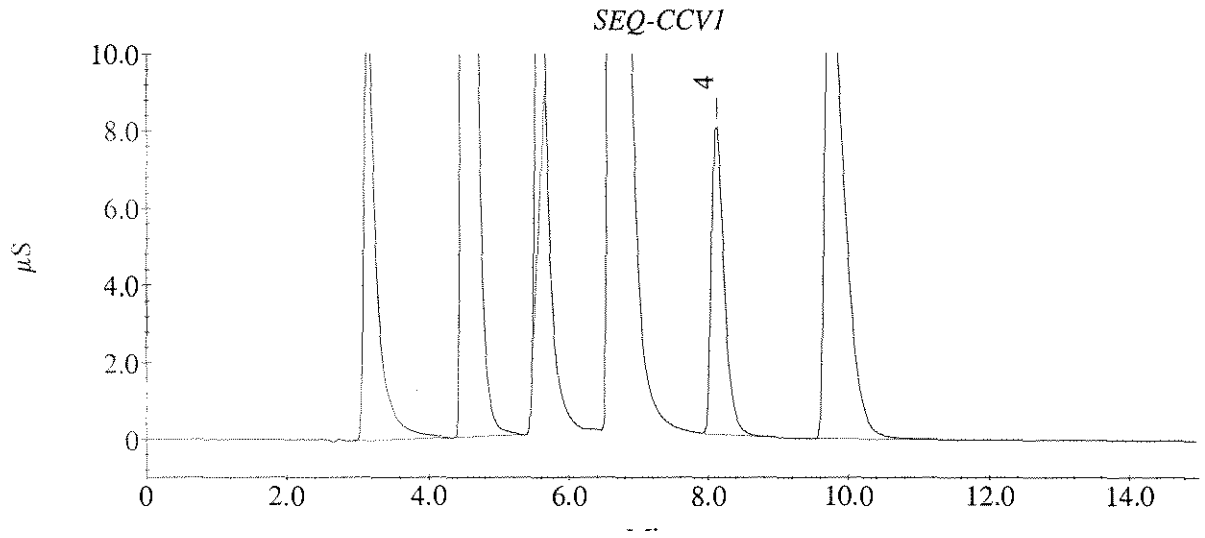
Sample Analysis Report

Sample Name : SEQ-CCV1
Data File Name : c:\peaknet\data\2011\april2011\041911_002.DXD

Method File Name : c:\peaknet\method\anions\anions102110rtupdate111810.met
Date Time Collected : 4/19/11 12:41:35 PM
System Operator : : KBG
Calibration Date : 1/29/11 5:37:14 PM
Method Comment: EPA 300.0 :

Peak Information : All Components

Peak #	Component Name	Retention Time	Peak Area	Concentration (mg/L)
1	Fluoride	3.13	1381546	2.312
2	Chloride	4.60	9748937	26.574
3	Nitrite	5.60	686697	0.836
	Sulfate			
4	Bromide	8.13	1029038	6.267
	Nitrate			
	O-phos			



Sample Analysis Report

Sample Name : SEQ-CCV1
Data File Name : C:\PEAKNET\DATA\2011\APRIL2011\041911_002.DXD

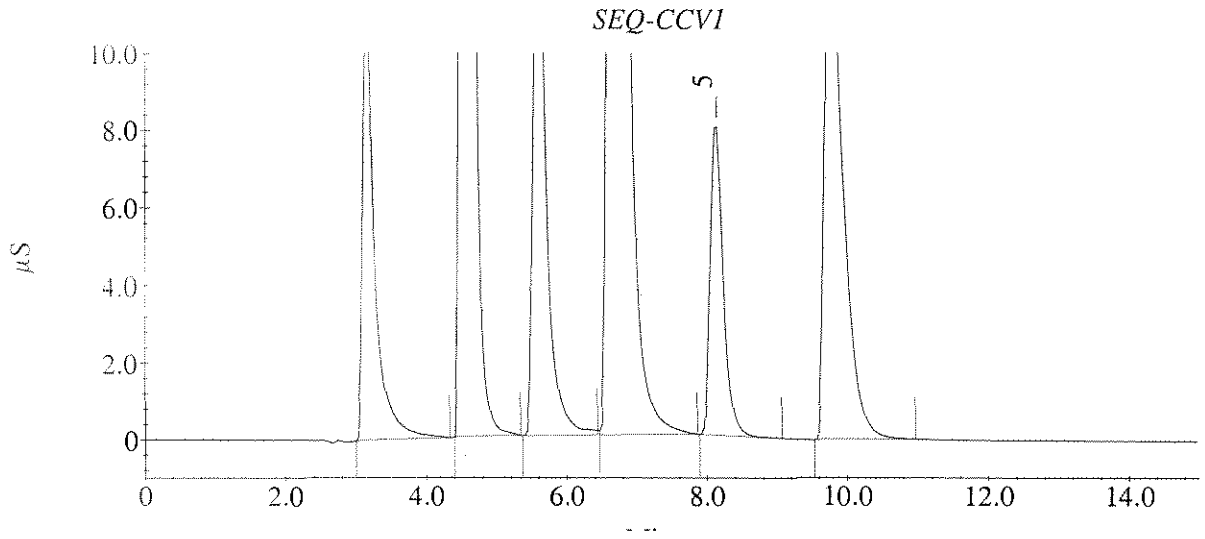
Method File Name : c:\peaknet\method\anions\anions102110rtupdate111810.met
Date Time Collected : 4/19/11 12:41:35 PM
System Operator : : KBG 10/21/10
Calibration Date : ~~4/26/11 4:54:48 PM~~ KBG
Method Comment: EPA 300.0 : wrong cal date

(AC) KBG 5/2/11

Peak Information : All Components

±10%

Peak #	Component Name	Retention Time	Peak Area	Concentration (mg/L)
1	Fluoride	3.13	1373365	2.298
2	Chloride	4.60	9740408	26.550
3	Nitrite	5.60	1938558	2.338
4	Sulfate	6.67	7384362	26.960
5	Bromide	8.13	1029038	6.267
6	Nitrate	9.73	2388948	2.582
	O-phos			



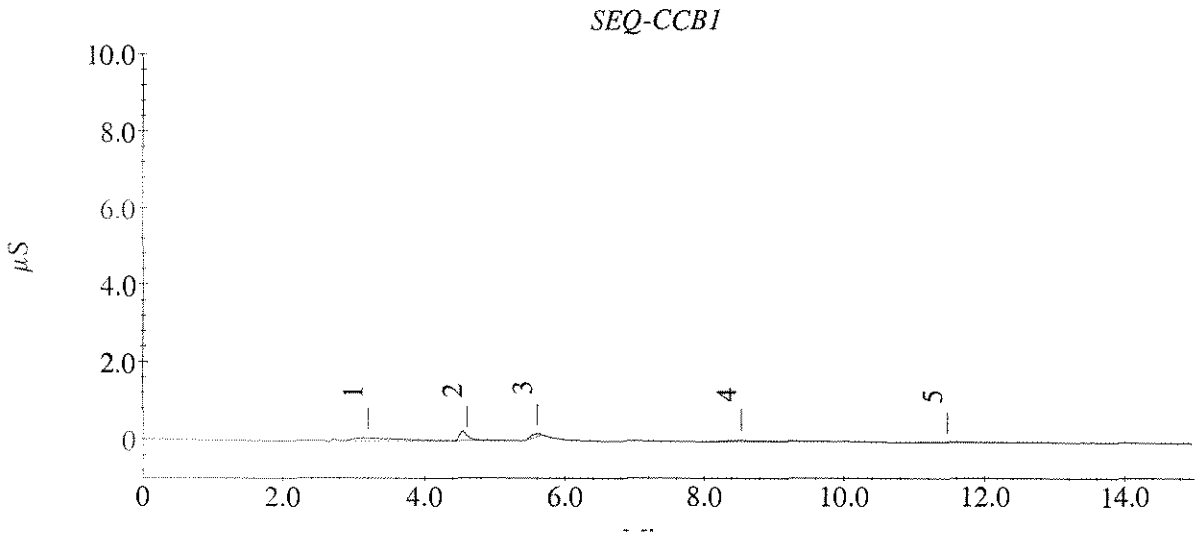
Sample Analysis Report

Sample Name : SEQ-CCB1
Data File Name : c:\peaknet\data\2011\april2011\041911_003.DXD

Method File Name : c:\peaknet\method\anions\anions102110rtupdate111810.met
Date Time Collected : 4/19/11 12:59:00 PM
System Operator : : KBG
Calibration Date : 1/29/11 5:37:14 PM
Method Comment: EPA 300.0 :

Peak Information : All Components

Peak #	Component Name	Retention Time	Peak Area	Concentration (mg/L)
1	Fluoride	3.20	38107	0.055
2	Chloride	4.60	22420	-0.081
3	Nitrite Sulfate	5.60	6988	0.020
4	Bromide Nitrate O-phos	8.53	19017	0.156



Sample Analysis Report

Sample Name : SEQ-CCB1
Data File Name : C:\PEAKNET\DATA\2011\APRIL2011\041911_003.DXD

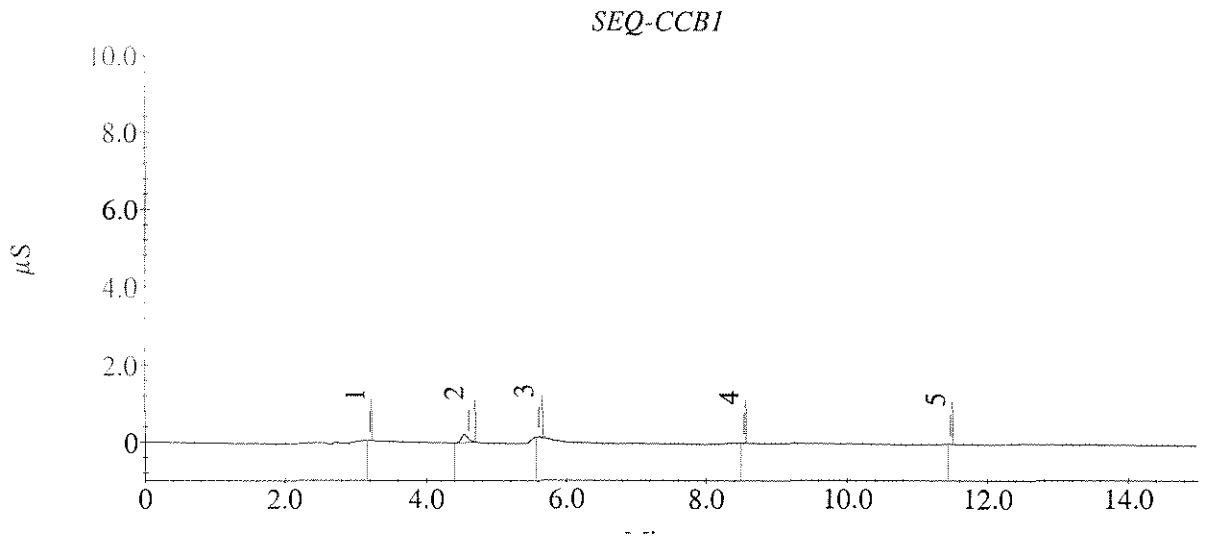
Method File Name : c:\peaknet\method\anions\anions102110rtupdate111810.met
Date Time Collected : 4/19/11 12:59:00 PM
System Operator : : KBG
Calibration Date : ~~4/29/11 5:37:14 PM~~ 10/21/10 KBG
Method Comment: EPA 300.0 :

wrong cal date

① KBG 5/x/11

Peak Information : All Components

Peak #	Component Name	Retention Time	Peak Area	Concentration (mg/L)
	Fluoride			
2	Chloride	4.60	14968	-0.101
	Nitrite			
	Sulfate			
	Bromide			
	Nitrate			
	O-phos			



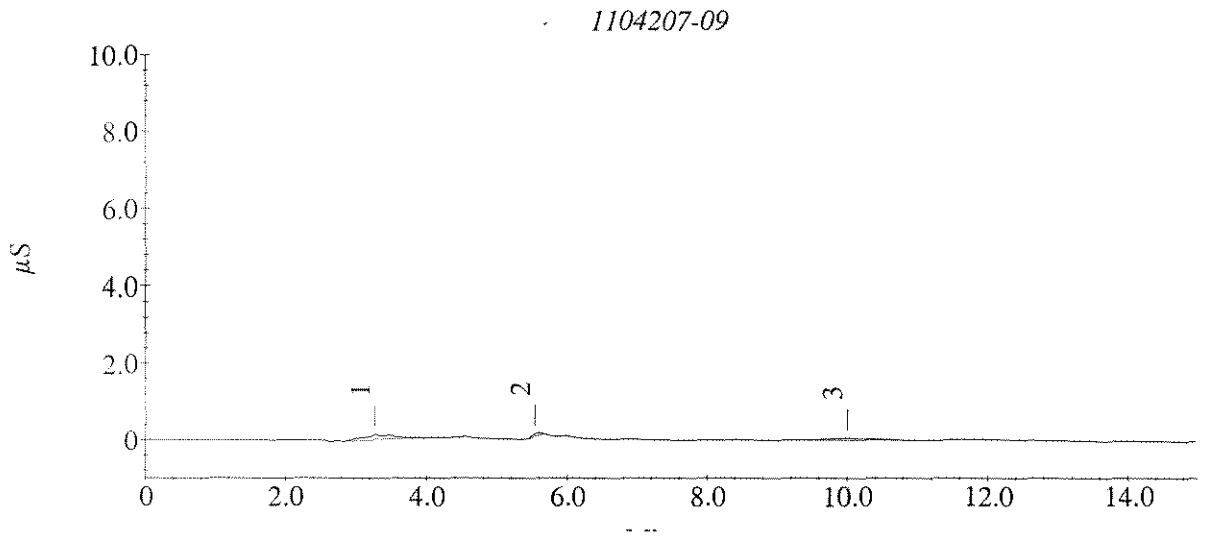
Sample Analysis Report

Sample Name : 1104207-09
Data File Name : c:\peaknet\data\2011\april2011\041911_004.DXD

Method File Name : c:\peaknet\method\anions\anions102110rtupdate111810.met
Date Time Collected : 4/19/11 1:16:26 PM
System Operator : : KBG
Calibration Date : 1/29/11 5:37:14 PM
Method Comment: EPA 300.0 :

Peak Information : All Components

Peak #	Component Name	Retention Time	Peak Area	Concentration (mg/L)
1	Fluoride Chloride	3.27	38708	0.056
2	Nitrite Sulfate Bromide	5.53	6834	0.020
3	Nitrate O-phos	10.00	24401	0.036



Sample Analysis Report

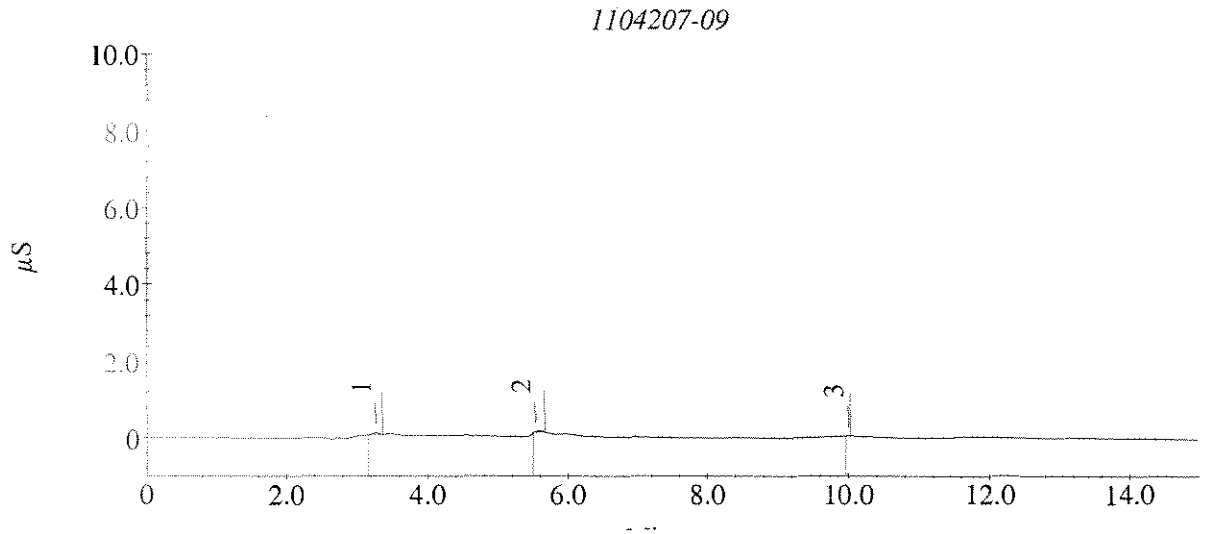
Sample Name : 1104207-09
Data File Name : C:\PEAKNET\DATA\2011\APRIL2011\041911_004.DXD

Method File Name : c:\peaknet\method\anions\anions102110rtupdate111810.met
Date Time Collected : 4/19/11 1:16:26 PM
System Operator : : KBG 10/21/10
Calibration Date : 1/29/11 5:37:14 PM KBG
Method Comment: EPA 300.0 : wrong cal date

A(C) 1434 5/7/11

Peak Information : All Components

Peak #	Component Name	Retention Time	Peak Area	Concentration (mg/L)
	Fluoride			
	Chloride			
	Nitrite			
	Sulfate			
	Bromide			
	Nitrate			
	O-phos			



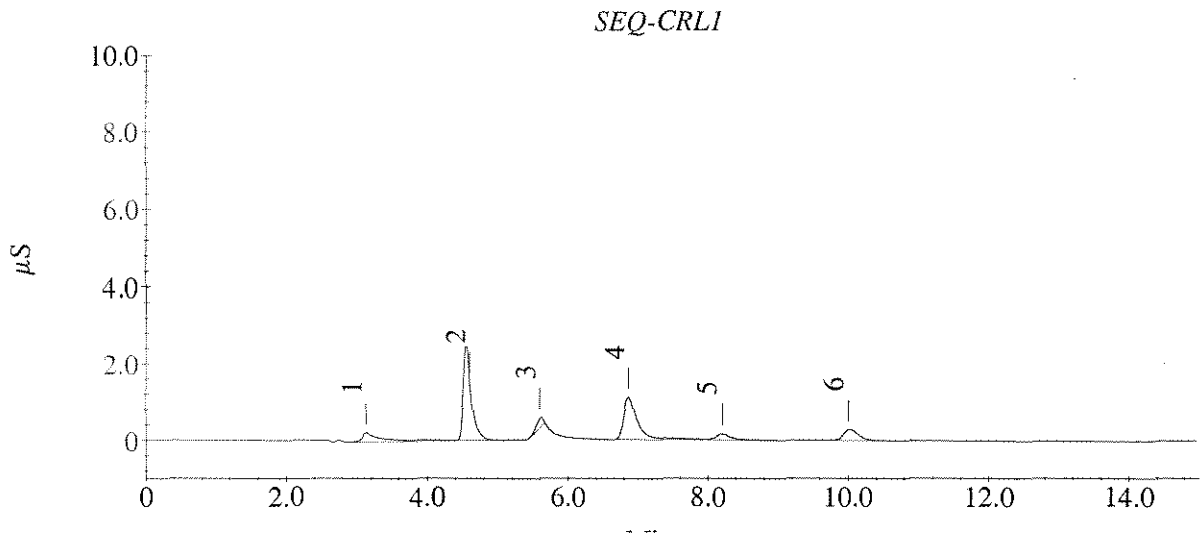
Sample Analysis Report

Sample Name : SEQ-CRL1
Data File Name : c:\peaknet\data\2011\april2011\041911_005.DXD

Method File Name : c:\peaknet\method\anions\anions102110rtupdate111810.met
Date Time Collected : 4/19/11 1:33:50 PM
System Operator : : KBG
Calibration Date : 1/29/11 5:37:14 PM
Method Comment: EPA 300.0 :

Peak Information : All Components

Peak #	Component Name	Retention Time	Peak Area	Concentration (mg/L)
1	Fluoride	3.13	52580	0.079
2	Chloride	4.60	198206	0.401
3	Nitrite	5.60	18346	0.033
4	Sulfate	6.87	156592	0.630
5	Bromide	8.20	26859	0.203
6	Nitrate	10.00	45649	0.059
	O-phos			



Sample Analysis Report

Sample Name : SEQ-CRL1
Data File Name : C:\PEAKNET\DATA\2011\APRIL2011\041911_005.DXD

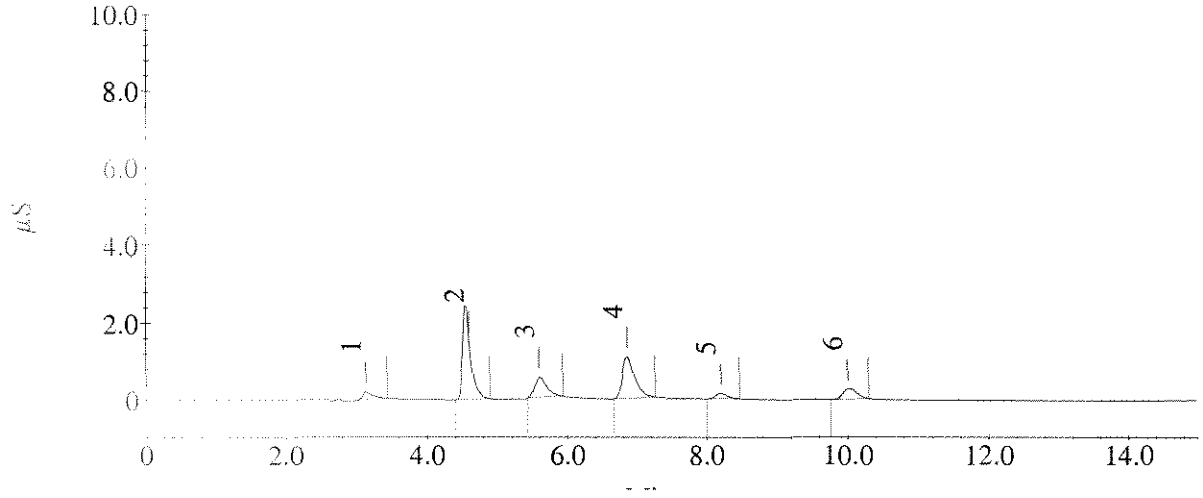
Method File Name : c:\peaknet\method\anions\anions102110rtupdate111810.met
Date Time Collected : 4/19/11 1:33:50 PM
System Operator : : KBG
Calibration Date : ~~1/29/11 5:37:14 PM~~ 10/21/10 KBG
Method Comment: EPA 300.0 : wrong caldat

AC KBG 5/2/11

Peak Information : All Components

±2%

Peak #	Component Name	Retention Time	Peak Area	Concentration (mg/L)
1	Fluoride	3.13	20093	0.025
2	Chloride	4.60	195212	0.393
3	Nitrite	5.60	63120	0.087
4	Sulfate	6.87	134222	0.549
5	Bromide	8.20	17141	0.145
6	Nitrate	10.00	38297	0.051
	O-phos			



CTOJM29_002 810

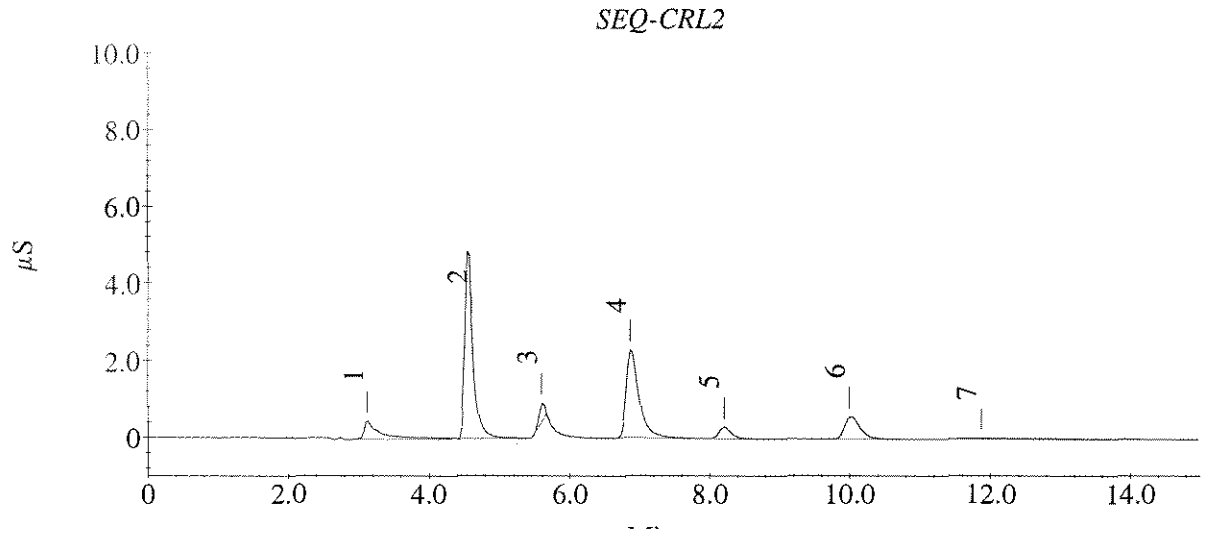
Sample Analysis Report

Sample Name : SEQ-CRL2
Data File Name : c:\peaknet\data\2011\april2011\041911_006.DXD

Method File Name : c:\peaknet\method\anions\anions102110rtupdate111810.met
Date Time Collected : 4/19/11 1:51:15 PM
System Operator : : KBG
Calibration Date : 1/29/11 5:37:14 PM
Method Comment: EPA 300.0 :

Peak Information : All Components

Peak #	Component Name	Retention Time	Peak Area	Concentration (mg/L)
1	Fluoride	3.13	86199	0.136
2	Chloride	4.60	401857	0.959
3	Nitrite	5.60	26542	0.043
4	Sulfate	6.87	291887	1.123
5	Bromide	8.20	37506	0.268
6	Nitrate	10.00	90866	0.108
	O-phos			



Sample Analysis Report

Sample Name : SEQ-CRL2
Data File Name : C:\PEAKNET\DATA\2011\APRIL2011\041911_006.DXD

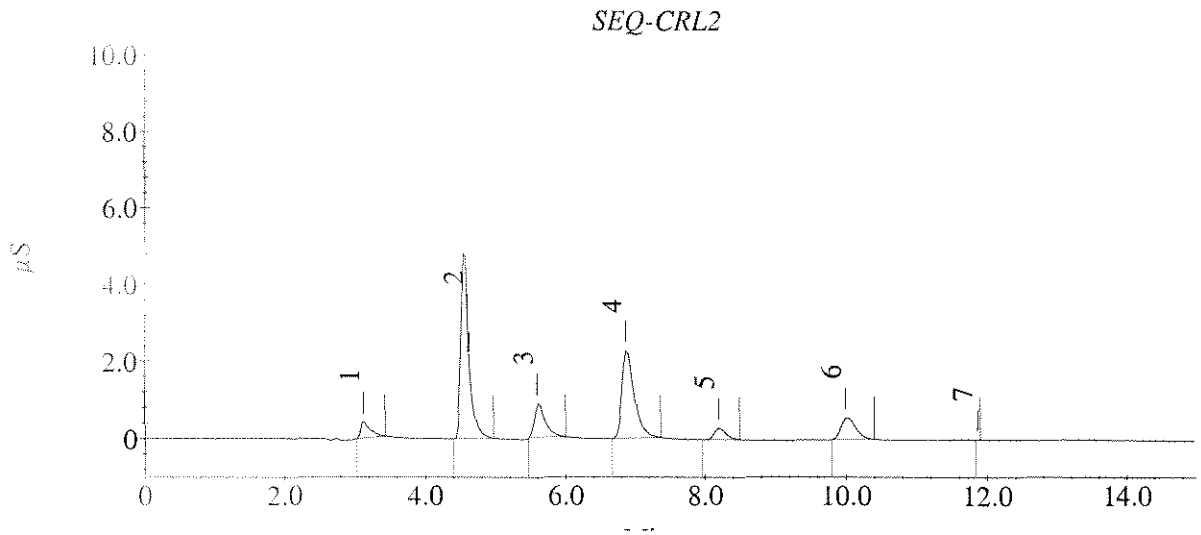
Method File Name : c:\peaknet\method\anions\anions102110rtupdate111810.met
Date Time Collected : 4/19/11 1:51:15 PM
System Operator : : KBG 10/21/10
Calibration Date ~~: 1/29/11 5:37:14 PM~~ KBG
Method Comment: EPA 300.0 : wrong cal date

(AC) KBG 5/2/11

Peak Information : All Components

±2%

Peak #	Component Name	Retention Time	Peak Area	Concentration (mg/L)
1	Fluoride	3.13	40348	0.059
2	Chloride	4.60	387426	0.919
3	Nitrite	5.60	93510	0.124
4	Sulfate	6.87	279134	1.077
5	Bromide	8.20	34710	0.251
6	Nitrate	10.00	81646	0.098
	O-phos			



CTOJM29_002 812

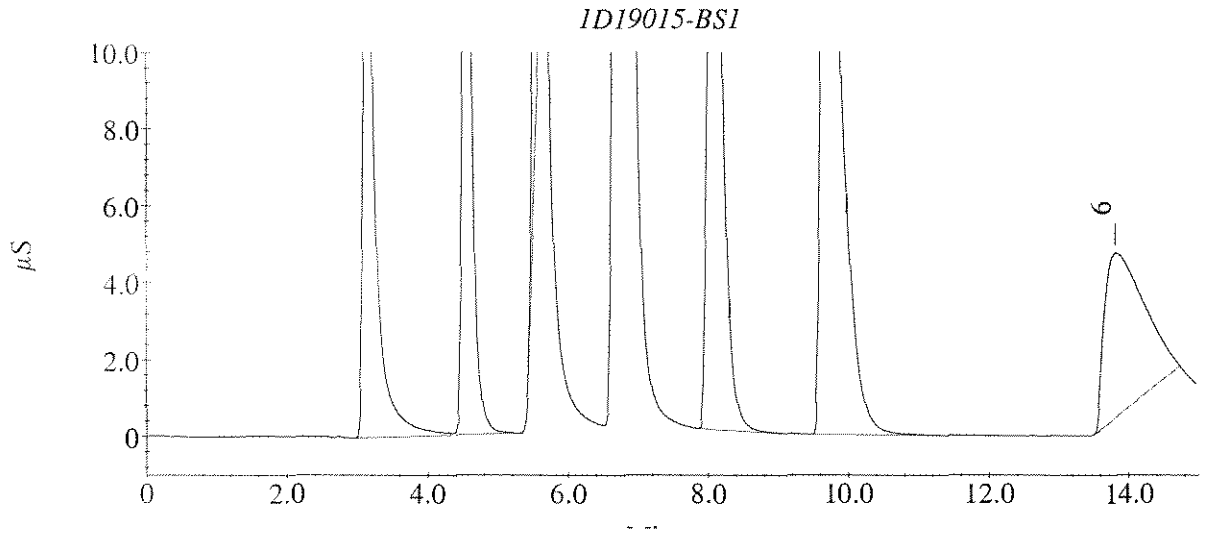
Sample Analysis Report

Sample Name : 1D19015-BS1
Data File Name : c:\peaknet\data\2011\april2011\041911_007.DXD

Method File Name : c:\peaknet\method\anions\anions102110rtupdate111810.met
Date Time Collected : 4/19/11 2:08:40 PM
System Operator : : KBG
Calibration Date : 1/29/11 5:37:14 PM
Method Comment: EPA 300.0 :

Peak Information : All Components

Peak #	Component Name	Retention Time	Peak Area	Concentration (mg/L)
1	Fluoride	3.13	1898425	3.180
2	Chloride	4.60	1957903	5.223
3	Nitrite	5.53	1341480	1.622
	Sulfate			
	Bromide			
	Nitrate			
6	O-phos	13.80	1655552	1.707



Sample Analysis Report

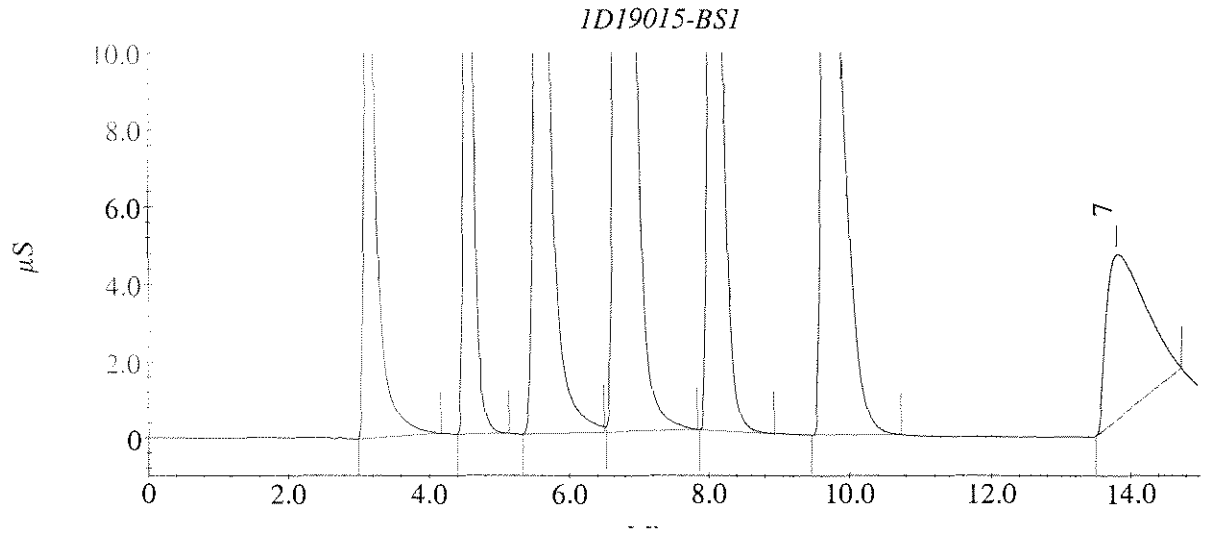
Sample Name : 1D19015-BS1
Data File Name : C:\PEAKNET\DATA\2011\APRIL2011\041911_007.DXD

Method File Name : c:\peaknet\method\anions\anions102110rtupdate111810.met
Date Time Collected : 4/19/11 2:08:40 PM
System Operator : : KBG 10/21/10 KBG
Calibration Date : ~~4/26/11 4:57:04 PM~~ KBG
Method Comment: EPA 300.0 : wrong cal date

(AC) KBG 5/2/11

Peak Information : All Components ±10%

Peak #	Component Name	Retention Time	Peak Area	Concentration (mg/L)
1	Fluoride	3.13	1853942	3.106
2	Chloride	4.60	1938109	5.169
3	Nitrite	5.53	3717670	4.474
4	Sulfate	6.73	7071198	25.820
5	Bromide	8.07	2740963	16.624
6	Nitrate	9.67	3507751	3.787
7	O-phos	13.80	1655552	1.707



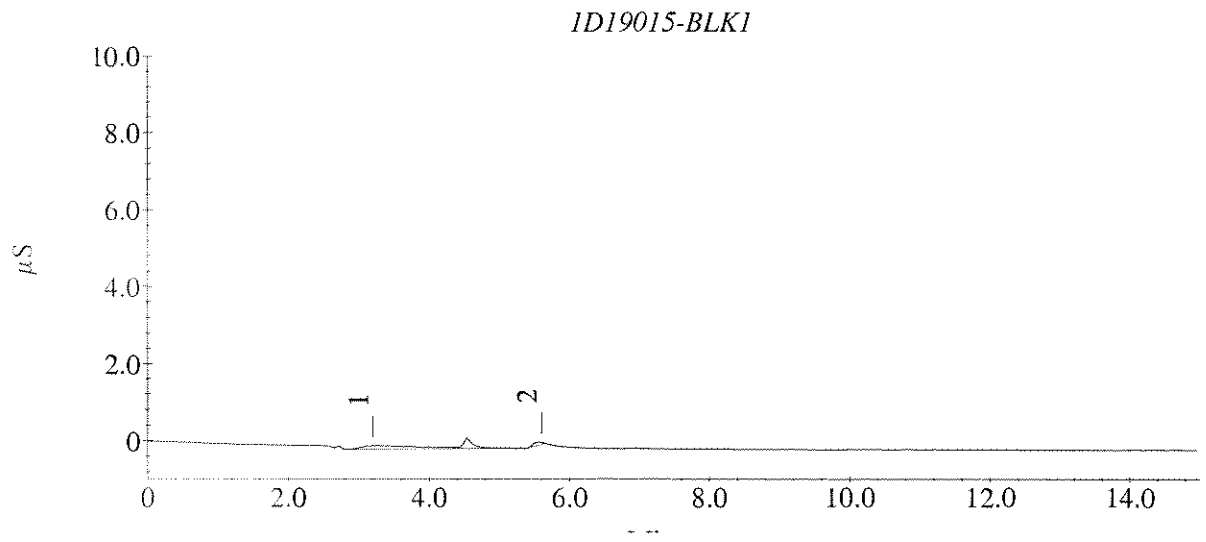
Sample Analysis Report

Sample Name : 1D19015-BLK1
Data File Name : c:\peaknet\data\2011\april2011\041911_008.DXD

Method File Name : c:\peaknet\method\anions\anions102110rtupdate111810.met
Date Time Collected : 4/19/11 2:26:05 PM
System Operator : : KBG
Calibration Date : 1/29/11 5:37:14 PM
Method Comment: EPA 300.0 :

Peak Information : All Components

Peak #	Component Name	Retention Time	Peak Area	Concentration (mg/L)
1	Fluoride	3.20	83990	0.132
	Chloride			
2	Nitrite	5.60	8647	0.022
	Sulfate			
	Bromide			
	Nitrate			
	O-phos			



Sample Analysis Report

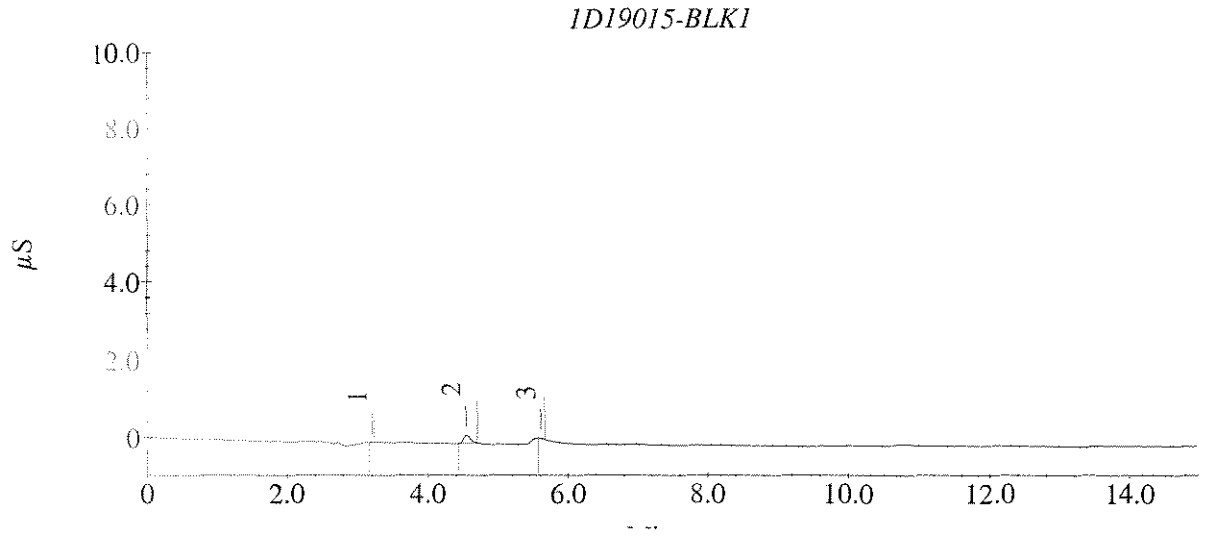
Sample Name : 1D19015-BLK1
Data File Name : C:\PEAKNET\DATA\2011\APRIL2011\041911_008.DXD

Method File Name : c:\peaknet\method\anions\anions102110rtupdate111810.met
Date Time Collected : 4/19/11 2:26:05 PM
System Operator : : KBG
Calibration Date : ~~4/29/11 5:37:14 PM~~ 10/21/10 1435
Method Comment: EPA 300.0 : wrong cal date

(c) KBG 5/2/11

Peak Information : All Components

Peak #	Component Name	Retention Time	Peak Area	Concentration (mg/L)
	Fluoride			
2	Chloride	4.53	15279	-0.100
	Nitrite			
	Sulfate			
	Bromide			
	Nitrate			
	O-phos			



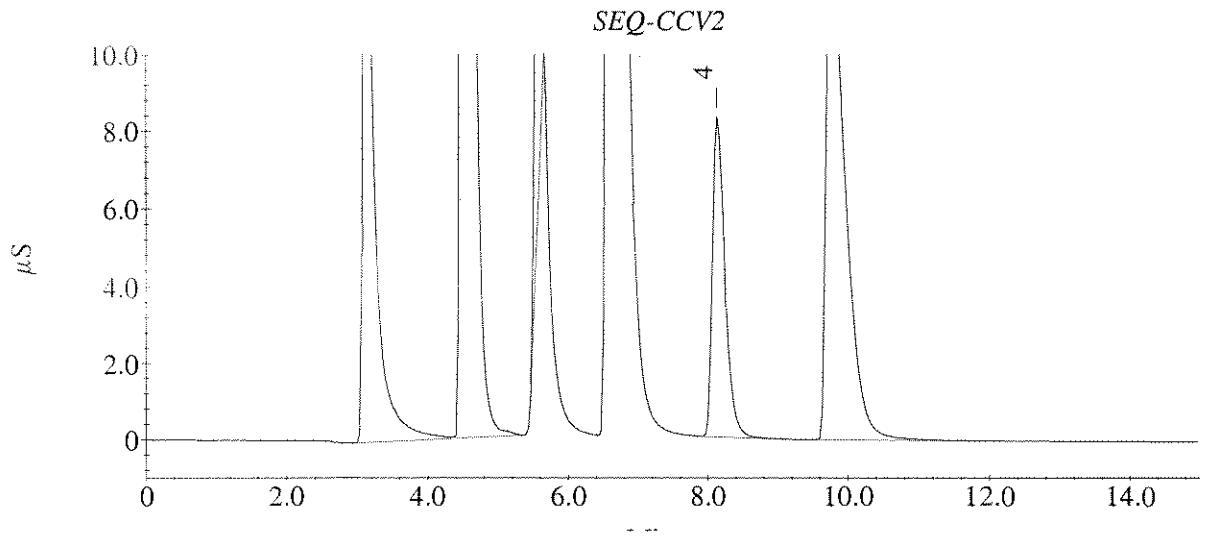
Sample Analysis Report

Sample Name : SEQ-CCV2
Data File Name : c:\peaknet\data\2011\april2011\041911_014.DXD

Method File Name : c:\peaknet\method\anions\anions102110rtupdate111810.met
Date Time Collected : 4/19/11 4:10:32 PM
System Operator : : KBG
Calibration Date : 1/29/11 5:37:14 PM
Method Comment: EPA 300.0 :

Peak Information : All Components

Peak #	Component Name	Retention Time	Peak Area	Concentration (mg/L)
1	Fluoride	3.13	2005636	3.361
2	Chloride	4.60	9830762	26.798
3	Nitrite	5.60	699398	0.851
	Sulfate			
4	Bromide	8.13	1040562	6.336
	Nitrate			
	O-phos			



Sample Analysis Report

Sample Name : SEQ-CCV2
Data File Name : C:\PEAKNET\DATA\2011\APRIL2011\041911_014.DXD

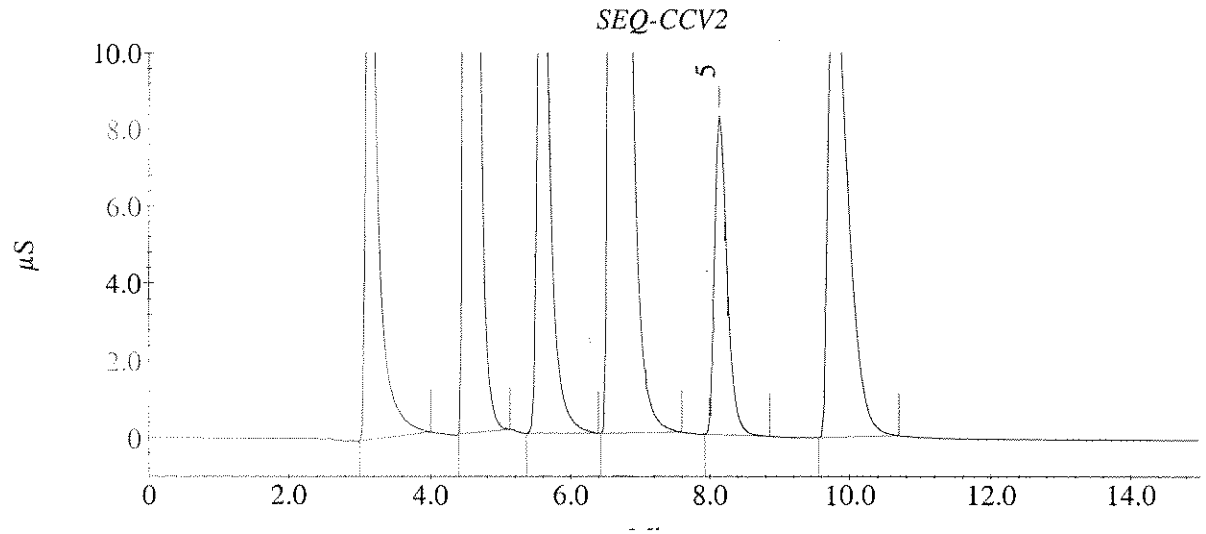
Method File Name : c:\peaknet\method\anions\anions102110rtupdate111810.met
Date Time Collected : 4/19/11 4:10:32 PM
System Operator : : KBG 10/21/10
Calibration Date : ~~4/26/11 5:00:33 PM~~ KBG
Method Comment: EPA 300.0 : Wrong caldat

(AC) KBG 5/7/11

Peak Information : All Components

±10%

Peak #	Component Name	Retention Time	Peak Area	Concentration (mg/L)
1	Fluoride	3.13	1942414	3.254
2	Chloride	4.60	9781172	26.662
3	Nitrite	5.60	1963002	2.368
4	Sulfate	6.63	7783834	28.416
5	Bromide	8.13	1035096	6.303
6	Nitrate	9.73	2395775	2.590
	O-phos			



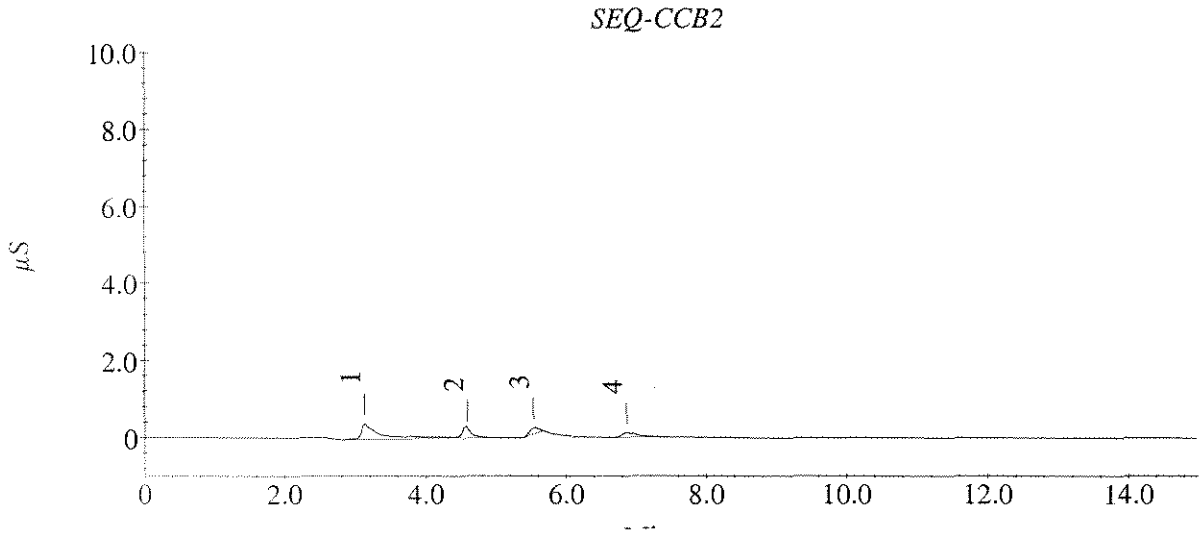
Sample Analysis Report

Sample Name : SEQ-CCB2
Data File Name : c:\peaknet\data\2011\april2011\041911_015.DXD

Method File Name : c:\peaknet\method\anions\anions102110rtupdate111810.met
Date Time Collected : 4/19/11 4:27:58 PM
System Operator : : KBG
Calibration Date : 1/29/11 5:37:14 PM
Method Comment: EPA 300.0 :

Peak Information : All Components

Peak #	Component Name	Retention Time	Peak Area	Concentration (mg/L)
1	Fluoride	3.13	82869	0.130
2	Chloride	4.60	27189	-0.068
3	Nitrite	5.53	14269	0.028
4	Sulfate	6.87	20947	0.136
	Bromide			
	Nitrate			
	O-phos			



Sample Analysis Report

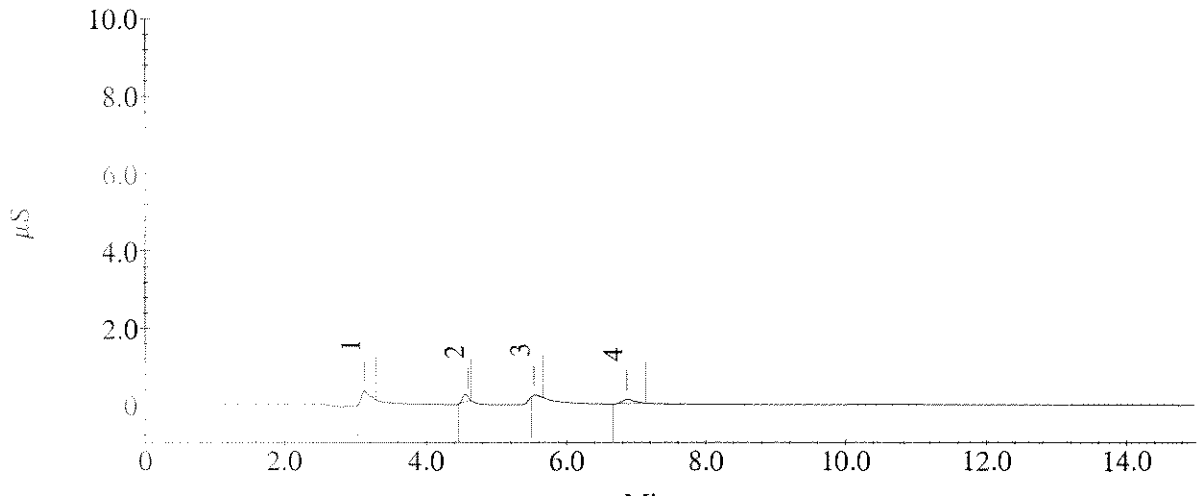
Sample Name : SEQ-CCB2
Data File Name : C:\PEAKNET\DATA\2011\APRIL2011\041911_015.DXD

Method File Name : c:\peaknet\method\anions\anions102110rtupdate111810.met
Date Time Collected : 4/19/11 4:27:58 PM
System Operator : : KBG 10/21/10 KBG
Calibration Date ~~4/29/11 5:37:14 PM~~ KBG
Method Comment: EPA 300.0 : wrong cal date

(c) KBG 5/2/11

Peak Information : All Components

Peak #	Component Name	Retention Time	Peak Area	Concentration (mg/L)
1	Fluoride	3.13	25841	0.034
2	Chloride	4.60	11634	-0.110
	Nitrite			
4	Sulfate	6.87	14654	0.113
	Bromide			
	Nitrate			
	O-phos			



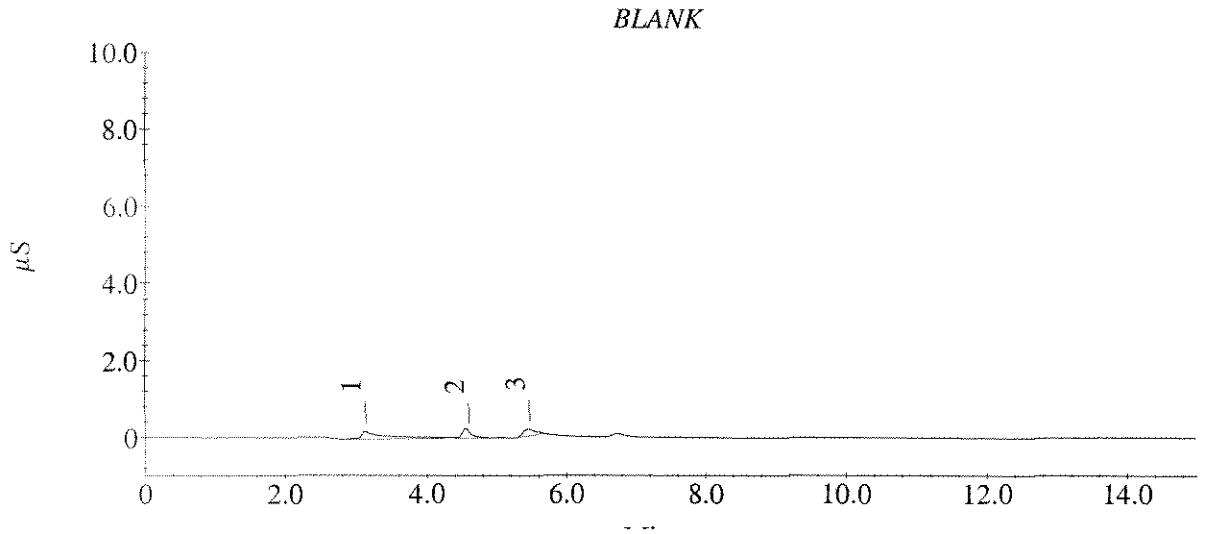
Sample Analysis Report

Sample Name : BLANK
Data File Name : c:\peaknet\data\2011\april2011\041911_024.DXD

Method File Name : c:\peaknet\method\anions\anions102110rtupdate111810.met
Date Time Collected : 4/19/11 7:04:39 PM
System Operator : : KBG
Calibration Date : 1/29/11 5:37:14 PM
Method Comment: EPA 300.0 :

Peak Information : All Components

Peak #	Component Name	Retention Time	Peak Area	Concentration (mg/L)
1	Fluoride	3.13	56770	0.086
2	Chloride	4.60	25967	-0.071
3	Nitrite	5.47	22123	0.038
	Sulfate			
	Bromide			
	Nitrate			
	O-phos			



PREPARATION BENCH SHEET

1D20016

Empirical Laboratories, LLC **Printed: 5/10/2011 3:05:58PM**

Instrument:

822

Matrix: Water **Prepared using: WC - pNone** **(No Surrogate)**

Lab Number	Cont ID	Analysis	Prepared	Initial (mL)	Final (mL)	Spike ID	Source ID	ul Spike	ul Surrogate	PH	Extraction Comments
1104207-09	K	WC_BOD5_5210B	04/20/2011	250	250					NA	
1104233-01	B	WC_BOD5_5210B	04/20/2011	250	250					NA	
1D20016-BLK1		QC	04/20/2011	250	250					NA	
1D20016-BS1		QC	04/20/2011	5	250	11D0469		5000		NA	

Reagents Used:

Standard	Description

Spiking Witnessed By Date

Preparation Reviewed By Date

Extracts Received By Date

CTOJM29_002

PREPARATION BENCH SHEET

1D19015

Empirical Laboratories, LLC **Printed: 5/10/2011 3:05:35PM**

Instrument:

Matrix: Water **Prepared using: WC - WC_PREP_ANIONS_W** **(No Surrogate)**

Lab Number	Cont ID	Analysis	Prepared	Initial (mL)	Final (mL)	Spike ID	Source ID	ul Spike	ul Surrogate	PH	Extraction Comments
1104207-09	K	WC_ANIONS_300.0 (Short Hol	04/19/2011	5	5					NA	NO3 NO2
1104207-09	K	WC_ANIONS_300.0 (Regular)	04/19/2011	5	5					NA	Cl SO4
1104215-01	C	WC_ANIONS_300.0 (Short Hol	04/19/2011	5	5					NA	Check Version
1104215-02	C	WC_ANIONS_300.0 (Short Hol	04/19/2011	5	5					NA	Check Version
1104216-01	C	WC_ANIONS_300.0 (Regular)	04/19/2011	5	5					NA	See version
1104216-01	C	WC_ANIONS_300.0 (Short Hol	04/19/2011	5	5					NA	See Version
1104216-02	B	WC_ANIONS_300.0 (Regular)	04/19/2011	5	5					NA	See version
1104216-02	B	WC_ANIONS_300.0 (Short Hol	04/19/2011	5	5					NA	See Version
1104216-03	B	WC_ANIONS_300.0 (Short Hol	04/19/2011	5	5					NA	See Version
1104216-03	B	WC_ANIONS_300.0 (Regular)	04/19/2011	5	5					NA	See version
1104216-04	C	WC_ANIONS_300.0 (Short Hol	04/19/2011	5	5					NA	See Version
1104216-04	C	WC_ANIONS_300.0 (Regular)	04/19/2011	5	5					NA	See version
1104216-05	C	WC_ANIONS_300.0 (Regular)	04/19/2011	5	5					NA	See version
1104216-05	C	WC_ANIONS_300.0 (Short Hol	04/19/2011	5	5					NA	See Version
1104216-06	C	WC_ANIONS_300.0 (Regular)	04/19/2011	5	5					NA	See version
1104216-06	C	WC_ANIONS_300.0 (Short Hol	04/19/2011	5	5					NA	See Version
1D19015-BLK1		QC	04/19/2011	5	5					NA	
1D19015-BS1		QC	04/19/2011	5	5	11C0344		5000		NA	
1D19015-DUP1		QC	04/19/2011	5	5		1104216-03			NA	
1D19015-MS1		QC	04/19/2011	22.5	25	11C0094	1104216-03	2500		NA	
1D19015-MSD1		QC	04/19/2011	22.5	25	11C0094	1104216-03	2500		NA	

Spiking Witnessed By Date

Preparation Reviewed By Date

Extracts Received By Date

823

CTOJM29_002

PREPARATION BENCH SHEET

1D19015

Empirical Laboratories, LLC **Printed: 5/10/2011 3:05:35PM**

Instrument:

Matrix: Water **Prepared using: WC - WC_PREP_ANIONS_W** **(No Surrogate)**

Lab Number	Cont ID	Analysis	Prepared	Initial (mL)	Final (mL)	Spike ID	Source ID	ul Spike	ul Surrogate	PH	Extraction Comments

Reagents Used:

Standard	Description

Spiking Witnessed By Date

Preparation Reviewed By Date

Extracts Received By Date

824

CTOJM29_002

PREPARATION BENCH SHEET

1D27020

Empirical Laboratories, LLC

Printed: 5/6/2011 2:23:17PM

Matrix: Water **Prepared using: WC - pNone** **(No Surrogate)**

Lab Number	Cont ID	Test Code	Prepared	Initial (mL)	Final (mL)	Spike ID	Source ID	ul Spike	ul Surrogate	Extraction Comments
1104152-03	H	WC_COD_410.4	04/27/2011 13:39	2.5	2.5					
1104152-05	F	WC_COD_410.4	04/27/2011 13:39	2.5	2.5					
1104187-03	G	WC_COD_410.4	04/27/2011 13:39	2.5	2.5					
1104187-04	G	WC_COD_410.4	04/27/2011 13:39	2.5	2.5					
1104187-05	H	WC_COD_410.4	04/27/2011 13:39	2.5	2.5					
1104187-06	K	WC_COD_410.4	04/27/2011 13:39	2.5	2.5					
1104207-09	L	WC_COD_410.4	04/27/2011 13:39	2.5	2.5					
1D27020-BLK1		QC	04/27/2011 13:39	2.5	2.5					
1D27020-BS1		QC	04/27/2011 13:39	2.5	2.5	10L0740		2500		
1D27020-MS1		QC	04/27/2011 13:39	1.75	2.5	10K0231	1104187-06	750		
1D27020-MSD1		QC	04/27/2011 13:39	1.75	2.5	10K0231	1104187-06	750		

Spiking Witnessed By Date

Preparation Reviewed By Date

Extracts Received By Date

825

CTOJM29_002

PREPARATION BENCH SHEET

1D21010

Empirical Laboratories, LLC

Printed: 5/6/2011 2:22:14PM

826

Matrix: Water **Prepared using: WC - pNone** **(No Surrogate)**

Lab Number	Cont ID	Test Code	Prepared	Initial (mL)	Final (mL)	Spike ID	Source ID	ul Spike	ul Surrogate	Extraction Comments
1104187-03	F	WC_SULFIDE_4500S2CF	04/21/2011 11:29	295	200					
1104187-04	F	WC_SULFIDE_4500S2CF	04/21/2011 11:29	295	200					
1104187-05	G	WC_SULFIDE_4500S2CF	04/21/2011 11:29	295	200					
1104187-06	I	WC_SULFIDE_4500S2CF	04/21/2011 11:29	295	200					
1104188-01	J	WC_SULFIDE_4500S2CF	04/21/2011 11:29	290	200					
1104188-03	J	WC_SULFIDE_4500S2CF	04/21/2011 11:29	290	200					
1104207-09	M	WC_SULFIDE_4500S2CF	04/21/2011 11:29	295	200					
1104216-01	C	WC_SULFIDE_4500S2CF	04/21/2011 11:29	250	200					
1104216-02	C	WC_SULFIDE_4500S2CF	04/21/2011 11:29	290	200					
1104216-03	C	WC_SULFIDE_4500S2CF	04/21/2011 11:29	240	200					
1104216-04	C	WC_SULFIDE_4500S2CF	04/21/2011 11:29	290	200					
1104216-05	C	WC_SULFIDE_4500S2CF	04/21/2011 11:29	295	200					
1104216-06	C	WC_SULFIDE_4500S2CF	04/21/2011 11:29	250	200					
1104232-01	D	WC_SULFIDE_4500S2CF	04/21/2011 11:29	270	200					
1104232-02	D	WC_SULFIDE_4500S2CF	04/21/2011 11:29	240	200					
1104232-03	D	WC_SULFIDE_4500S2CF	04/21/2011 11:29	280	200					
1104232-04	D	WC_SULFIDE_4500S2CF	04/21/2011 11:29	295	200					
1104232-05	D	WC_SULFIDE_4500S2CF	04/21/2011 11:29	270	200					
1104232-06	D	WC_SULFIDE_4500S2CF	04/21/2011 11:29	295	200					
1104232-07	D	WC_SULFIDE_4500S2CF	04/21/2011 11:29	250	200					
1D21010-BLK1		QC	04/21/2011 11:29	250	200					
1D21010-BS1		QC	04/21/2011 11:29	3	250	11C0798		3000		
1D21010-BSD1		QC	04/21/2011 11:29	3	250	11C0798		3000		

Spiking Witnessed By Date

Preparation Reviewed By Date

Extracts Received By Date

CTOJM29_002

PREPARATION BENCH SHEET

1D21010

Empirical Laboratories, LLC

Printed: 5/6/2011 2:22:14PM

827

Matrix: Water **Prepared using: WC - pNone** **(No Surrogate)**

Lab Number	Cont ID	Test Code	Prepared	Initial (mL)	Final (mL)	Spike ID	Source ID	ul Spike	ul Surrogate	Extraction Comments

Spiking Witnessed By Date

Preparation Reviewed By Date

Extracts Received By Date

CTOJM29_002

PREPARATION BENCH SHEET

1D28005

Empirical Laboratories, LLC

Printed: 5/6/2011 2:23:40PM

Matrix: Water **Prepared using: WC - pNone** **(No Surrogate)**

Lab Number	Cont ID	Test Code	Prepared	Initial (mL)	Final (mL)	Spike ID	Source ID	ul Spike	ul Surrogate	Extraction Comments
1104187-03	E	WC_ALKALINITY_2320B	04/28/2011 09:41	25	25					
1104187-04	E	WC_ALKALINITY_2320B	04/28/2011 09:41	25	25					
1104187-05	F	WC_ALKALINITY_2320B	04/28/2011 09:41	25	25					
1104187-06	H	WC_ALKALINITY_2320B	04/28/2011 09:41	25	25					
1104188-01	I	WC_ALKALINITY_2320B	04/28/2011 09:41	25	25					carb/bicarb
1104188-03	I	WC_ALKALINITY_2320B	04/28/2011 09:41	25	25					carb/bicarb
1104207-09	K	WC_ALKALINITY_2320B	04/28/2011 09:41	25	25					
1104216-01	B	WC_ALKALINITY_2320B	04/28/2011 09:41	25	25					
1104216-02	B	WC_ALKALINITY_2320B	04/28/2011 09:41	25	25					
1104216-03	B	WC_ALKALINITY_2320B	04/28/2011 09:41	25	25					
1104216-04	B	WC_ALKALINITY_2320B	04/28/2011 09:41	25	25					
1104216-05	B	WC_ALKALINITY_2320B	04/28/2011 09:41	25	25					
1104216-06	B	WC_ALKALINITY_2320B	04/28/2011 09:41	25	25					
1104232-01	B	WC_ALKALINITY_2320B	04/28/2011 09:41	25	25					
1104232-02	B	WC_ALKALINITY_2320B	04/28/2011 09:41	25	25					
1104232-03	B	WC_ALKALINITY_2320B	04/28/2011 09:41	25	25					
1104232-04	B	WC_ALKALINITY_2320B	04/28/2011 09:41	25	25					
1104232-05	B	WC_ALKALINITY_2320B	04/28/2011 09:41	25	25					
1104232-06	B	WC_ALKALINITY_2320B	04/28/2011 09:41	25	25					
1104232-07	B	WC_ALKALINITY_2320B	04/28/2011 09:41	25	25					
1D28005-BLK1		QC	04/28/2011 09:41	25	25					
1D28005-BS1		QC	04/28/2011 09:41	25	25	11C0445		5000		
1D28005-MS1		QC	04/28/2011 09:41	22.5	25	11C0445	1104232-05	2500		

Spiking Witnessed By Date

Preparation Reviewed By Date

Extracts Received By Date

828

CTOJM29_002

PREPARATION BENCH SHEET

1D28005

Empirical Laboratories, LLC

Printed: 5/6/2011 2:23:40PM

Matrix: Water **Prepared using: WC - pNone** **(No Surrogate)**

Lab Number	Cont ID	Test Code	Prepared	Initial (mL)	Final (mL)	Spike ID	Source ID	ul Spike	ul Surrogate	Extraction Comments
1D28005-MSD1		QC	04/28/2011 09:41	22.5	25	11C0445	1104232-05	2500		

Spiking Witnessed By Date

Preparation Reviewed By Date

Extracts Received By Date

829

CTOJM29_002

ANALYTICAL SUMMARY DATA PACKAGE
SDG # CTOJM29_003

PROJECT NAME: SAUFLEY FIELD SITE 4 CTOJM29
PROJECT LOCATION: PENSACOLA, FL
CONTRACT #: N62470-08-D-1001

SUBMITTAL TO:
Tobrena Sedlmeyer
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Foster Plaza 7
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Pittsburgh, PA 15220

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Email: brichard@empirlabs.com

Original Report Date: June 16, 2011
Report Revision #: N/A
Revision Date: N/A
Total # of Pages: 82

THIS DOCUMENT MEETS DoD QSM 4.1 STANDARDS

The results relate to only the samples associated with the referenced SDG and the submitted data has been produced in accordance with laboratory procedures. The Laboratory's Technical Lab Director, Mr. Rick Davis, is responsible for the final data produced and reported. His signature is listed at the end of the Case Narrative within the Analytical Data Package. If applicable to this report package, details on report revisions and the information on subcontracted analysis are listed in the package Case Narrative. This report shall not be reproduced, except in full, without the written approval of Empirical Laboratories, LLC.

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Sample Delivery Group Case Narrative

Receipt Information
The samples were received within the preservation guidelines for the associated methods. The information associated with sample receipt and the Sample Delivery Group (SDG) are included within section 4 of this package, which also provides information on the link between the client sample ID listed on the COC and laboratory's assigned unique sample ID or WorkOrder #. The sample is tracked through the laboratory for all analysis via the assigned WorkOrder #.

All samples that were received were analyzed and none of the samples were placed on hold without analyses. There were no subcontracted analyses for this SDG.

Changes to the Revision
This is an original submittal of the final report package.

Analytical Information
All samples were prepped (where applicable) and analyzed within the standard allowed holding times, unless noted within the exceptions listed below. The laboratory analyzed all samples within the program and method guidelines. The following information is provided specific to individual methods:

Chromatographic Flags for Manual Integration:
The following letters are used to denote manual integrations on the laboratory's raw data in association with chromatographic integrations:

A: The peak was manually integrated as it was not integrated in the original chromatogram.
B: The peak was manually integrated due to resolution or coelution issues in the original chromatogram.
C: The peak was manually integrated to correct the baseline from the original chromatogram.
D: The peak was manually integrated to identify the correct peak as the wrong peak was identified in the original chromatogram.
E: The peak was manually integrated to include the entire peak as the original chromatogram only integrated part of the peak.

SW8260B:
The method blank 1E26013-BLK1 has a positive result for 1,2,4-Trichlorobenzene.

No additional anomalies or deviations are noted and the proper data qualifiers have been applied.

SW8270C:
The surrogates o-Terphenyl and 2-Fluorophenol exceeded criteria with a positive bias in 1E27021-BLK1. this was most likely due to the surrogate being double spiked during extraction.

No additional anomalies or deviations are noted and the proper data qualifiers have been applied.

FLPRO:
The surrogate o-Terphenyl exceeded the retention time window criteria in 1F15314-CCV2. The result bias due to the retention time shift was determined to be negligible for the associated samples and batch QC.

No additional anomalies or deviations are noted and the proper data qualifiers have been applied.

Data Qualifiers
As applicable and where required, the following general qualifiers are associated with the sample results. Additional qualifiers will be specified within the reporting sections of the data package or within the body of the Case Narrative.

Analytical Report Terms and Qualifiers

MDL: The method detection limit (MDL) is defined as the minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero. The MDL is determined from analysis of a sample containing the analyte in a given matrix. For DoD QSM 4.1 reporting purposes, this definition is also applied to the reported Detection Limit (DL).

LOD: The Limit of Detection is an estimate of the minimum amount of a substance that an analytical process can reliably detect. An LOD is analyte- and matrix-specific and may be laboratory-dependent. This definition is further clarified in the DoD QSM 4.1 revisions as the smallest amount or concentration of a substance that must be present in a sample in order to be detected at a high level of confidence (99%). At the LOD, the false negative rate (Type II error) is 1%.

LOQ: The Limit of Quantitation is the minimum level, concentration, or quantity of a target variable (e.g., target analyte) that can be reported with a specified degree of confidence. This term is further clarified within the DoD QSM 4.1 as the lowest concentration that produces a quantitative result within specified limits of precision and bias.

*****: An exceeding quality control criteria is associated with the reported result.

B: The presence of a "B" to the right of an analytical value indicates that this compound was also detected in the method blank and the data should be interpreted with caution. One should consider the possibility that the correct sample result might be less than the reported result and, perhaps, zero. **For Florida DEP reports this qualifier is "V".**

D: When a sample (or sample extract) is rerun diluted because one of the compound concentrations exceeded the highest concentration range for the standard curve, all of the values obtained in the dilution run will be flagged with a "D".

E: The concentration for any compound found which exceeds the highest concentration level on the standard curve for that compound will be flagged with an "E". Usually the sample will be rerun at a dilution to quantitate the flagged compound. **For Florida DEP reports this qualifier is "L".**

H1: The result was analyzed outside of the EPA recommended holding time.

H2: The result was extracted outside of the EPA recommended holding time.

H3: The sample for this analyte was received outside of the EPA recommended holding time.

J: The presence of a "J" to the right of an analytical result indicates that the reported result is estimated. The mass spectral data pass the identification criteria showing that the compound is present, but the calculated result is less than the EQL. One should feel confident that the result is greater than zero and less than the EQL. **For Florida DEP reports this qualifier is "I".**

M: Indicates that the sample matrix interfered with the quantitation of the analyte. In dual column analysis the result is reported from the column with the lower concentration. In inorganics, it indicates that the parameters MDL/RL has been raised.

N: The MS/MSD accuracy and/or precision are outside criteria. The predigested spike recovery is not within control limits for the associated parameter.

P: The associated numerical value is an estimated quantity. There is greater than a 40% difference between the two GC columns for the detected concentrations. The higher of the two values is reported unless matrix interference is obvious or for HPLC analysis where the primary column is reported.

Q: The RPD and/or percent recovery exceeded limits in the associated Blank Spike and/or Blank Spike Duplicate.

S: The associated internal standard failed criteria.

U: The presence of a "U" indicates that the analyte was analyzed for but was not detected or the concentration of the analyte quantitated below the DL.

X: The parameter shows a potential positive bias on a reported concentration due to an ICV or CCV exceeding the upper control limit on the high side.

Y: The parameter shows a potential negative bias on a reported concentration due to an ICV or CCV exceeding the lower control limit on the low side.

Z: The parameter shows lack of confirmation/detection, which may be due to a negative bias in the ICV or CCV which exceeds the lower control limit.

LIMS Definitions / Naming Conventions:

The following are general naming conventions that are used throughout the laboratory; however, on a method by method basis, there are additional QAQC items that are named in a consistent format.

BLK: LIMS assigns a unique identifier to the Method Blank by naming it as the letters BLK appended to the Batch ID. A Method Blank is an analyte-free matrix to which all reagents are added in the same volumes or proportions as used in sample processing. The Method Blank is used to assess for possible contamination during preparation and/or analysis steps. Method Blanks within a Batch or Analytical sequence will be appended with a numerical value beginning with 1 that will increase incrementally.

BS: LIMS assigns a unique identifier to the Blank Spike by naming it as the letters BS appended to the Batch ID. The Blank Spike or Lab Control Sample is a controlled analyte-free matrix, which is spiked with known and verified concentrations of target analytes. Spiking concentrations can be referenced in the method SOP. The BS is used to evaluate the viability of analytes taken through the entire prep (when applicable) and analytical process. Blank Spikes within a Batch or Analytical sequence will be appended with a numerical value beginning with 1 that will increase incrementally. A duplicate Blank Spike will be designated as a BSD.

MS: The LIMS assigns each Client sample with a unique identifier. The Matrix Spike is designated with a MS at the end of the sample's unique identifier. The Matrix Spike sample is used to assess the effect of the sample matrix on the precision and accuracy of the results generated using the selected method. A duplicate Matrix Spike will be designated as a MSD.

IDs: The LIMS assigns each Client sample with a unique identifier. The letter "RE" may potentially be appended to the end of the LIMS Sample ID. And "**RE"** implies that the sample was either re-prepped, re-analyzed straight, or re-analyzed at a dilution. Subsequent re-analysis for the sample will be appended with a numerical value beginning with 1 that will increase incrementally. Eg: RE1, RE2, RE3, etc.

Statement of Data Authenticity:
I certify that, based upon my inquiry of those individuals immediately responsible for obtaining the information and to the best of my knowledge, the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, with the exception of the conditions detailed in this Case Narrative, as verified by my signature below. During absences, Ms. Marcia K. McGinnity is authorized to sign this Statement of Data Authenticity.

_____
Mr. Rick D. Davis
Laboratory Technical Director / VP Operations

ORGANIC CALCULATIONS

GC/MS Volatiles

$$\text{Final Concentration} = \frac{\text{On-column(ug/L or ug/Kg) * Expected Vol/Weight (mL or g) * Dilution}}{\text{Initial Vol/Weight (mL or g) * (Percent Solids/100) (if applicable)}}$$

Note - Expected Vol/Weight value is found in "Final Vol" column of Preparation Batch Summary.

GC/MS Extractables

$$\text{Final Concentration} = \frac{\text{On-column(ng/uL) * Final Vol (ml) * Dilution *(1000uL/mL)}}{\text{Initial Vol/Weight (mL or g) * (Percent Solids/100) (if applicable)}}$$

= ng/mL or ng/g

= ug/L or ug/kg

GC or LC Extractables

$$\text{Final Concentration} = \frac{\text{On-column(ng/mL) * Final Vol (mL) * Dilution}}{\text{Initial Vol/Weight (mL or g) * (Percent Solids/100) (if applicable)}}$$

= ng/mL or ng/g

= ug/L or ug/kg

Sample Receipt Information

TETRA TECH NUS, INC. | CHAIN OF CUSTODY | NUMBER 05251 | PAGE 1 OF 1

PROJECT NO: 112600389	SITE NAME: Southey Site 4	PROJECT MANAGER AND PHONE NUMBER: Gerry Walker (850)385-9899	LABORATORY NAME AND CONTACT: Empirical Lab / Brian Richards
SAMPLERS (SIGNATURE):		FIELD OPERATIONS LEADER AND PHONE NUMBER: Amber Pope	ADDRESS: 621 Mainstream Dr Suite 270
		CARRIER/WAYBILL NUMBER: 874847555655	CITY, STATE: Nashville, TN 37228

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

DATE (YEAR 2011)	TIME	SAMPLE ID	MATRIX	GRAB (G) COMP (C)	No. OF CONTAINERS	CONTAINER TYPE PLASTIC (P) or GLASS (G)	PRESERVATIVE USED	TYPE OF ANALYSIS: Select TAL VOC	8VOC/PAHs Select TCL Level	TRPH by FLDRO			COMMENTS
		1105224								HCl			
-01 5/25	1325	OLF54 MW 29D	GW	G	7	3	2	2		3SHV+2H+2HHV			*See attach list for select VOC &SVOC
-02 5/25	1325	TRIP BLANK 9729	—		2	2	—	—	—	—		2SHV	
		TEMP BLANK				Temperature							

	DATE	TIME		DATE	TIME
1. RELINQUISHED BY	5/25/11	1745	1. RECEIVED BY		
2. RELINQUISHED BY	DATE	TIME	2. RECEIVED BY	DATE	TIME
3. RELINQUISHED BY	DATE	TIME	3. RECEIVED BY Reynolds Fedex 1.7°	DATE 5.26.11	TIME 0900

COMMENTS

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

3/99
FORM NO. TtNUS-001

10

CTOJM29_003 Summ Package

EMPIRICAL LABORATORIES
COOLER RECEIPT FORM

LIMS Number: 1105224 Number of Coolers: 1 of 1

Client: Tetra Tech Project: Sautley Site 4

Date/Time Received: 5.26.11 9:00 Date cooler(s) opened: 5.26.11

Opened By (print): Russ Townsend (signature): Russ Townsend

Circle response below as appropriate

1. How did the samples arrive? (FedEx) UPS DHL Hand Delivered
EL Courier Other: _____

If applicable, enter airbill number here: 5655

2. Were custody seals on outside of cooler(s)? ..... (Yes) No

How many: 1 Seal date: 5.25.11 Seal Initials: ?

3. Were custody seals unbroken and intact at the date and time of arrival?	(Yes)	No	N/A
4. Were custody papers sealed in a plastic bag included in the sample cooler?	(Yes)	No	N/A
5. Were custody papers filled out properly (ink, signed, etc.)?	(Yes)	No	N/A
6. Did you sign custody papers in the appropriate place for acceptance?	(Yes)	No	N/A
7. Was project identifiable from custody papers?	(Yes)	No	N/A
8. If required, was enough ice present in the cooler(s)?	(Yes)	No	N/A

Type of Coolant: (WET) DRY BLUE NONE

Temperature of Samples upon Receipt: Initial Value: 0.3 °C Correction Factor: +1.4 °C Final Value: 1.7 °C

Dates samples were logged-in: 5.26.11

9. Initial this form to acknowledge login of sample(s): (Name): Reginald Talley (Initial): RT

10. Were all bottle lids intact and sealed tightly?	(Yes)	No	N/A
11. Did all bottles arrive unbroken?	(Yes)	No	N/A
12. Was all required bottle label information complete?	(Yes)	No	N/A
13. Did all bottle labels agree with custody papers?	(Yes)	No	N/A
14. Were correct containers used for the analyses indicated?	(Yes)	No	N/A
15. Were preservative levels correct in all applicable sample containers?	(Yes)	No	N/A
16. Was residual chlorine present in any applicable sample containers?	Yes	No	(N/A)
17. Was sufficient amount of sample sent for the analyses required?	(Yes)	No	N/A
18. Was headspace present in any included VOA vials?	Yes	(No)	N/A

If Non-Conformance issues were present, list by sample ID: _____

Ph for FLPRO samples were <2

WORK ORDER

1105224

Printed: 6/16/2011 4:16:06PM

Empirical Laboratories, LLC

Client: Tetra Tech NUS, Inc. (T010)
Project: Saufley Field Site 4 CTOJM29

Project Manager: Brian Richard
Project Number: Saufley Field Site 4 CTOJM29

Report To:
Tetra Tech NUS, Inc. (T010)
Tobrena Skeen
Foster Plaza 7, 661 Anderson Drive
Pittsburgh, PA 15220
Phone: (412) 921-8182
Fax: (412) 921-4040

Invoice To:
Tetra Tech NUS, Inc. (T010)
Accounts Payable
661 Andersen Drive
Pittsburgh, PA 15220-2745
Phone :(412) 921-8182
Fax: (412) 921-4040

Date Due: 05/27/2011 16:00 (1 day TAT)

Received By: Reginald Talley
Logged In By: Reginald Talley

Date Received: 05/26/2011 09:00
Date Logged In 05/26/2011 09:35

Samples Received at: **1.7°C**

Custody Seals	Yes	Received On Ice	Yes
Containers Intact	Yes		
COC/Labels Agree	Yes		
Preservation Confir	Yes		

Analysis	Due	TAT	Expires	Version	Comments
1105224-01 OLFS4-MW29D [Water] Sampled 05/25/2011 13:25 Central					
SW8260B	05/27/2011 14:00	1	06/08/2011 13:25		
SW8270C	05/27/2011 14:00	1	06/01/2011 13:25		
FLPRO	05/27/2011 14:00	1	06/01/2011 13:25		
1105224-02 Trip Blank 9729 [Water] Sampled 05/25/2011 13:25 Central					
SW8260B	05/27/2011 14:00	1	06/08/2011 13:25		

Sample Delivery Group Assignment Form

CLIENT: Tetra Tech NUS, Inc. (T010)
PROJECT NAME: Saufley Field Site 4 CTOJM29
SDG #: CTOJM29_003
MATRIX: Water

QC LEVEL: Level IV
Report Due: 5/27/2011
Client Sample Count: 2

Sample Type	Sampled	Received	Lab ID	Client ID	FLPRO	SW8260B	SW8270C
Client Sample	5/25/2011	5/26/2011	1105224-01	OLFS4-MW29D	X	X	X
Client Sample	5/25/2011	5/26/2011	1105224-02	Trip Blank 9729		X	

Data for SW8260B Forms

ANALYSIS DATA SHEET

OLFS4-MW29D

Laboratory: Empirical Laboratories, LLC SDG: CTOJM29_003

Client: Tetra Tech NUS, Inc. (T010) Project: Saufley Field Site 4 CTOJM29

Matrix: Ground Water Laboratory ID: 1105224-01 File ID: 0522401.D

Sampled: 05/25/11 13:25 Prepared: 05/26/11 00:00 Analyzed: 05/26/11 13:07

Solids: Preparation: 5030B Dilution: 1

Batch: 1E26013 Sequence: 1E14709 Calibration: 1110001 Instrument: MS-VOA5

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
71-43-2	Benzene		0.250	0.500	1.00	U
56-23-5	Carbon tetrachloride		0.250	0.500	1.00	U
108-90-7	Chlorobenzene		0.250	0.500	1.00	U
75-00-3	Chloroethane		0.500	1.00	2.00	U
110-75-8	2-Chloroethyl vinyl ether		1.25	2.50	5.00	U
124-48-1	Dibromochloromethane		0.250	0.500	1.00	U
95-50-1	1,2-Dichlorobenzene		0.250	0.500	1.00	U
541-73-1	1,3-Dichlorobenzene		0.250	0.500	1.00	U
106-46-7	1,4-Dichlorobenzene		0.250	0.500	1.00	U
75-34-3	1,1-Dichloroethane		0.250	0.500	1.00	U
107-06-2	1,2-Dichloroethane		0.250	0.500	1.00	U
75-35-4	1,1-Dichloroethene		0.250	0.500	1.00	U
156-59-2	cis-1,2-Dichloroethene		0.250	0.500	1.00	U
156-60-5	trans-1,2-Dichloroethene		0.250	0.500	1.00	U
78-87-5	1,2-Dichloropropane		0.250	0.500	1.00	U
10061-01-5	cis-1,3-Dichloropropene		0.250	0.500	1.00	U
10061-02-6	trans-1,3-Dichloropropene		0.250	0.500	1.00	U
100-41-4	Ethylbenzene		0.250	0.500	1.00	U
98-82-8	Isopropylbenzene		0.250	0.500	1.00	U
75-09-2	Methylene chloride		0.500	1.00	2.00	U
1634-04-4	Methyl t-Butyl Ether		0.250	0.500	1.00	U
79-34-5	1,1,2,2-Tetrachloroethane		0.250	0.500	1.00	U
127-18-4	Tetrachloroethene		0.250	0.500	1.00	U
108-88-3	Toluene		0.250	0.500	1.00	U
120-82-1	1,2,4-Trichlorobenzene		0.250	0.500	1.00	U
79-00-5	1,1,2-Trichloroethane		0.250	0.500	1.00	U
71-55-6	1,1,1-Trichloroethane		0.250	0.500	1.00	U
79-01-6	Trichloroethene		0.250	0.500	1.00	U
75-01-4	Vinyl chloride		0.250	0.500	1.00	U
1330-20-7	Xylenes (total)		0.750	1.50	3.00	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	30.63	102	75 - 120	
Dibromofluoromethane	30.00	30.04	100	85 - 115	
1,2-Dichloroethane-d4	30.00	31.22	104	70 - 120	
Toluene-d8	30.00	33.00	110	85 - 120	

ANALYSIS DATA SHEET

Trip Blank 9729

Laboratory: Empirical Laboratories, LLC SDG: CTOJM29_003

Client: Tetra Tech NUS, Inc. (T010) Project: Saufley Field Site 4 CTOJM29

Matrix: Water Laboratory ID: 1105224-02 File ID: 0522402.D

Sampled: 05/25/11 13:25 Prepared: 05/26/11 00:00 Analyzed: 05/26/11 11:18

Solids: Preparation: 5030B Dilution: 1

Batch: 1E26013 Sequence: 1E14709 Calibration: 1110001 Instrument: MS-VOA5

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
71-43-2	Benzene		0.250	0.500	1.00	U
56-23-5	Carbon tetrachloride		0.250	0.500	1.00	U
108-90-7	Chlorobenzene		0.250	0.500	1.00	U
75-00-3	Chloroethane		0.500	1.00	2.00	U
110-75-8	2-Chloroethyl vinyl ether		1.25	2.50	5.00	U
124-48-1	Dibromochloromethane		0.250	0.500	1.00	U
95-50-1	1,2-Dichlorobenzene		0.250	0.500	1.00	U
541-73-1	1,3-Dichlorobenzene		0.250	0.500	1.00	U
106-46-7	1,4-Dichlorobenzene		0.250	0.500	1.00	U
75-34-3	1,1-Dichloroethane		0.250	0.500	1.00	U
107-06-2	1,2-Dichloroethane		0.250	0.500	1.00	U
75-35-4	1,1-Dichloroethene		0.250	0.500	1.00	U
156-59-2	cis-1,2-Dichloroethene		0.250	0.500	1.00	U
156-60-5	trans-1,2-Dichloroethene		0.250	0.500	1.00	U
78-87-5	1,2-Dichloropropane		0.250	0.500	1.00	U
10061-01-5	cis-1,3-Dichloropropene		0.250	0.500	1.00	U
10061-02-6	trans-1,3-Dichloropropene		0.250	0.500	1.00	U
100-41-4	Ethylbenzene		0.250	0.500	1.00	U
98-82-8	Isopropylbenzene		0.250	0.500	1.00	U
75-09-2	Methylene chloride		0.500	1.00	2.00	U
1634-04-4	Methyl t-Butyl Ether		0.250	0.500	1.00	U
79-34-5	1,1,2,2-Tetrachloroethane		0.250	0.500	1.00	U
127-18-4	Tetrachloroethene		0.250	0.500	1.00	U
108-88-3	Toluene		0.250	0.500	1.00	U
120-82-1	1,2,4-Trichlorobenzene	0.448	0.250	0.500	1.00	IV
79-00-5	1,1,2-Trichloroethane		0.250	0.500	1.00	U
71-55-6	1,1,1-Trichloroethane		0.250	0.500	1.00	U
79-01-6	Trichloroethene		0.250	0.500	1.00	U
75-01-4	Vinyl chloride		0.250	0.500	1.00	U
1330-20-7	Xylenes (total)		0.750	1.50	3.00	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	29.87	99.6	75 - 120	
Dibromofluoromethane	30.00	30.82	103	85 - 115	
1,2-Dichloroethane-d4	30.00	30.69	102	70 - 120	
Toluene-d8	30.00	31.57	105	85 - 120	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8260B

Laboratory: Empirical Laboratories, LLC
SDG: CTOJM29_003
Client: Tetra Tech NUS, Inc. (T010)
Project: Saufley Field Site 4 CTOJM29
Sequence: 1E14709
Instrument: MS-VOA5
Calibration: 1110001

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Calibration Check (1E14709-CCV1) ug/L				Lab File ID: 0526CC1.D		Analyzed: 05/26/11 09:11		
Bromofluorobenzene	30.00	99.2	80 - 120	12.241	12.241	0.0000	+/-1.000	
Dibromofluoromethane	30.00	101	80 - 120	6.883	6.883	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	100	80 - 120	7.385	7.385	0.0000	+/-1.000	
Toluene-d8	30.00	102	80 - 120	9.611	9.611	0.0000	+/-1.000	
LCS (1E26013-BS1) ug/L				Lab File ID: 0526LS1.D		Analyzed: 05/26/11 09:37		
Bromofluorobenzene	30.00	103	75 - 120	12.247	12.241	0.0060	+/-1.000	
Dibromofluoromethane	30.00	105	85 - 115	6.888	6.883	0.0050	+/-1.000	
1,2-Dichloroethane-d4	30.00	99.9	70 - 120	7.381	7.385	-0.0040	+/-1.000	
Toluene-d8	30.00	105	85 - 120	9.617	9.611	0.0060	+/-1.000	
Blank (1E26013-BLK1) ug/L				Lab File ID: 0526BL1.D		Analyzed: 05/26/11 10:52		
Bromofluorobenzene	30.00	101	75 - 120	12.245	12.241	0.0040	+/-1.000	
Dibromofluoromethane	30.00	103	85 - 115	6.887	6.883	0.0040	+/-1.000	
1,2-Dichloroethane-d4	30.00	102	70 - 120	7.379	7.385	-0.0060	+/-1.000	
Toluene-d8	30.00	106	85 - 120	9.615	9.611	0.0040	+/-1.000	
Trip Blank 9729 (1105224-02) ug/L				Lab File ID: 0522402.D		Analyzed: 05/26/11 11:18		
Bromofluorobenzene	30.00	99.6	75 - 120	12.245	12.241	0.0040	+/-1.000	
Dibromofluoromethane	30.00	103	85 - 115	6.887	6.883	0.0040	+/-1.000	
1,2-Dichloroethane-d4	30.00	102	70 - 120	7.379	7.385	-0.0060	+/-1.000	
Toluene-d8	30.00	105	85 - 120	9.615	9.611	0.0040	+/-1.000	
OLFS4-MW29D (1105224-01) ug/L				Lab File ID: 0522401.D		Analyzed: 05/26/11 13:07		
Bromofluorobenzene	30.00	102	75 - 120	12.241	12.241	0.0000	+/-1.000	
Dibromofluoromethane	30.00	100	85 - 115	6.882	6.883	-0.0010	+/-1.000	
1,2-Dichloroethane-d4	30.00	104	70 - 120	7.384	7.385	-0.0010	+/-1.000	
Toluene-d8	30.00	110	85 - 120	9.611	9.611	0.0000	+/-1.000	

LCS / LCS DUPLICATE RECOVERY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	CTOJM29_003
Client:	Tetra Tech NUS, Inc. (T010)	Project:	Saufley Field Site 4 CTOJM29
Matrix:	Water		
Batch:	1E26013	Laboratory ID:	1E26013-BS1
Preparation:	5030B	Initial/Final:	5 mL / 5 mL

ANALYTE	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC.	QC LIMITS REC.
Benzene	50.00	53.5	107	80 - 120
Carbon tetrachloride	50.00	48.1	96.3	65 - 140
Chlorobenzene	50.00	53.6	107	80 - 120
Chloroethane	50.00	48.6	97.3	60 - 135
2-Chloroethyl vinyl ether	99.75	105	105	10 - 165
Dibromochloromethane	50.00	52.2	104	60 - 135
1,2-Dichlorobenzene	50.00	49.3	98.6	70 - 120
1,3-Dichlorobenzene	50.00	46.6	93.2	75 - 125
1,4-Dichlorobenzene	50.00	45.5	91.0	75 - 125
Dichlorodifluoromethane	50.00	61.1	122	30 - 155
1,1-Dichloroethane	50.00	51.8	104	70 - 135
1,2-Dichloroethane	50.00	49.6	99.2	70 - 130
1,1-Dichloroethene	50.00	53.6	107	70 - 130
cis-1,2-Dichloroethene	50.00	51.0	102	70 - 125
trans-1,2-Dichloroethene	50.00	51.6	103	60 - 140
1,2-Dichloropropane	50.00	49.6	99.2	75 - 125
cis-1,3-Dichloropropene	50.00	47.4	94.8	70 - 130
trans-1,3-Dichloropropene	50.00	56.5	113	55 - 140
Ethylbenzene	50.00	53.6	107	75 - 125
Isopropylbenzene	50.00	55.6	111	75 - 125
Methylene chloride	50.00	51.8	104	55 - 140
Methyl t-Butyl Ether	50.00	52.4	105	65 - 125
1,1,2,2-Tetrachloroethane	50.00	50.9	102	65 - 130
Tetrachloroethene	50.00	52.8	106	45 - 150
Toluene	50.00	52.8	106	75 - 120
1,2,4-Trichlorobenzene	50.00	47.1	94.3	65 - 135
1,1,2-Trichloroethane	50.00	50.2	100	75 - 125
1,1,1-Trichloroethane	50.00	46.1	92.1	65 - 130
Trichloroethene	50.00	51.9	104	70 - 125
Vinyl chloride	50.00	42.8	85.7	50 - 145

LCS / LCS DUPLICATE RECOVERY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	CTOJM29_003
Client:	Tetra Tech NUS, Inc. (T010)	Project:	Saufley Field Site 4 CTOJM29
Matrix:	Water		
Batch:	1E26013	Laboratory ID:	1E26013-BS1
Preparation:	5030B	Initial/Final:	5 mL / 5 mL

ANALYTE	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC.	QC LIMITS REC.
Xylenes (total)	150.0	156	104	75 - 130

PREPARATION BATCH SUMMARY

SW8260B

Laboratory: Empirical Laboratories, LLC SDG: CTOJM29_003

Client: Tetra Tech NUS, Inc. (T010) Project: Saufley Field Site 4 CTOJM29

Batch: 1E26013 Batch Matrix: Water Preparation: 5030B

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
OLFS4-MW29D	1105224-01	05/26/11 00:00	5.00	5.00
Trip Blank 9729	1105224-02	05/26/11 00:00	5.00	5.00
Blank	1E26013-BLK1	05/26/11 00:00	5.00	5.00
LCS	1E26013-BS1	05/26/11 00:00	5.00	5.00

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	CTOJM29_003
Client:	Tetra Tech NUS, Inc. (T010)	Project:	Saufley Field Site 4 CTOJM29
Lab File ID:	0415TU1.D	Injection Date:	04/15/11
Instrument ID:	MS-VOA5	Injection Time:	08:29
Sequence:	1D10810	Lab Sample ID:	1D10810-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15 - 40% of 95	18.4	PASS
75	30 - 60% of 95	38.6	PASS
95	Base peak, 100% relative abundance	100	PASS
96	5 - 9% of 95	6.52	PASS
173	Less than 2% of 174	0	PASS
174	50 - 200% of 95	101	PASS
175	5 - 9% of 174	7.11	PASS
176	95 - 101% of 174	95.6	PASS
177	5 - 9% of 176	5.75	PASS

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	CTOJM29_003
Client:	Tetra Tech NUS, Inc. (T010)	Project:	Saufley Field Site 4 CTOJM29
Lab File ID:	0526TU1.D	Injection Date:	05/26/11
Instrument ID:	MS-VOA5	Injection Time:	08:27
Sequence:	1E14709	Lab Sample ID:	1E14709-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15 - 40% of 95	24.9	PASS
75	30 - 60% of 95	43.8	PASS
95	Base peak, 100% relative abundance	100	PASS
96	5 - 9% of 95	6.62	PASS
173	Less than 2% of 174	0	PASS
174	50 - 200% of 95	72	PASS
175	5 - 9% of 174	7.89	PASS
176	95 - 101% of 174	97.2	PASS
177	5 - 9% of 176	6.96	PASS

ANALYSIS SEQUENCE SUMMARY

SW8260B

Laboratory: Empirical Laboratories, LLC
SDG: CTOJM29_003
Client: Tetra Tech NUS, Inc. (T010)
Project: Saufley Field Site 4 CTOJM29
Sequence: 1D10810
Instrument: MS-VOA5
Calibration: 1110001

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	1D10810-TUN1	0415TU1.D	04/15/11 08:29
Cal Standard	1D10810-CAL1	0415CAL1.D	04/15/11 09:53
Cal Standard	1D10810-CAL2	0415CAL2.D	04/15/11 10:18
Cal Standard	1D10810-CAL3	0415CAL3.D	04/15/11 10:43
Cal Standard	1D10810-CAL4	0415CAL4.D	04/15/11 11:07
Cal Standard	1D10810-CAL5	0415CAL5.D	04/15/11 11:32
Cal Standard	1D10810-CAL6	0415CAL6.D	04/15/11 11:57
Cal Standard	1D10810-CAL7	0415CAL7.D	04/15/11 12:22
Cal Standard	1D10810-CAL8	0415CAL8.D	04/15/11 12:47
Cal Standard	1D10810-CAL9	0415CAL9.D	04/15/11 13:12
Initial Cal Check	1D10810-ICV2	0415ICV2.D	04/15/11 14:01
Cal Standard	1D10810-CALA	0415CALA.D	04/15/11 14:26
Cal Standard	1D10810-CALB	0415CALB.D	04/15/11 14:51
Cal Standard	1D10810-CALC	0415CALC.D	04/15/11 15:16
Cal Standard	1D10810-CALD	0415CALD.D	04/15/11 15:41
Cal Standard	1D10810-CALE	0415CALE.D	04/15/11 16:05
Cal Standard	1D10810-CALF	0415CALF.D	04/15/11 16:30
Cal Standard	1D10810-CALG	0415CALG.D	04/15/11 16:55
Cal Standard	1D10810-CALH	0415CALH.D	04/15/11 17:20
Cal Standard	1D10810-CALI	0415CALI.D	04/15/11 17:45

ANALYSIS SEQUENCE SUMMARY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	CTOJM29_003
Client:	Tetra Tech NUS, Inc. (T010)	Project:	Saufley Field Site 4 CTOJM29
Sequence:	1E14709	Instrument:	MS-VOA5
Calibration:	1110001		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	1E14709-TUN1	0526TU1.D	05/26/11 08:27
Calibration Check	1E14709-CCV1	0526CC1.D	05/26/11 09:11
LCS	1E26013-BS1	0526LS1.D	05/26/11 09:37
Blank	1E26013-BLK1	0526BL1.D	05/26/11 10:52
Trip Blank 9729	1105224-02	0522402.D	05/26/11 11:18
OLFS4-MW29D	1105224-01	0522401.D	05/26/11 13:07

INTERNAL STANDARD AREA AND RT SUMMARY
SW8260B

Laboratory: Empirical Laboratories, LLC
SDG: CTOJM29_003
Client: Tetra Tech NUS, Inc. (T010)
Project: Saufley Field Site 4 CTOJM29
Sequence: 1E14709
Instrument: MS-VOA5
Calibration: 1110001

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (1E14709-CCV1)			Lab File ID: 0526CC1.D			Analyzed: 05/26/11 09:11			
Fluorobenzene	1541054	7.917	1328259	7.92	116	50 - 200	-0.0030	+/-0.50	
Chlorobenzene-d5	637113	11.049	600438	11.052	106	50 - 200	-0.0030	+/-0.50	
1,4-Dichlorobenzene-d4	582041	13.453	522137	13.456	111	50 - 200	-0.0030	+/-0.50	
LCS (1E26013-BS1)			Lab File ID: 0526LS1.D			Analyzed: 05/26/11 09:37			
Fluorobenzene	1468429	7.912	1541054	7.917	95	50 - 200	-0.0050	+/-0.50	
Chlorobenzene-d5	604208	11.045	637113	11.049	95	50 - 200	-0.0040	+/-0.50	
1,4-Dichlorobenzene-d4	567041	13.448	582041	13.453	97	50 - 200	-0.0050	+/-0.50	
Blank (1E26013-BLK1)			Lab File ID: 0526BL1.D			Analyzed: 05/26/11 10:52			
Fluorobenzene	1462992	7.911	1541054	7.917	95	50 - 200	-0.0060	+/-0.50	
Chlorobenzene-d5	581111	11.044	637113	11.049	91	50 - 200	-0.0050	+/-0.50	
1,4-Dichlorobenzene-d4	517931	13.447	582041	13.453	89	50 - 200	-0.0060	+/-0.50	
Trip Blank 9729 (1105224-02)			Lab File ID: 0522402.D			Analyzed: 05/26/11 11:18			
Fluorobenzene	1429508	7.911	1541054	7.917	93	50 - 200	-0.0060	+/-0.50	
Chlorobenzene-d5	573168	11.043	637113	11.049	90	50 - 200	-0.0060	+/-0.50	
1,4-Dichlorobenzene-d4	487986	13.447	582041	13.453	84	50 - 200	-0.0060	+/-0.50	
OLFS4-MW29D (1105224-01)			Lab File ID: 0522401.D			Analyzed: 05/26/11 13:07			
Fluorobenzene	1383327	7.906	1541054	7.917	90	50 - 200	-0.0110	+/-0.50	
Chlorobenzene-d5	522990	11.049	637113	11.049	82	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	482021	13.442	582041	13.453	83	50 - 200	-0.0110	+/-0.50	

INITIAL CALIBRATION DATA

SW8260B

Laboratory: Empirical Laboratories, LLC
SDG: CTOJM29_003
Client: Tetra Tech NUS, Inc. (T010)
Project: Saufley Field Site 4 CTOJM29
Calibration: 1110001
Instrument: MS-VOA5
Matrix: Water
Calibration Dates: 4/15/11 9:53 4/15/11 17:45

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
Acetone												
Acrolein	2.501	7.345248E-02	5.002	0.0629605	10	7.600379E-02	25.01	4.266429E-02	50.02	4.401047E-02	250.1	4.491028E-02
Acrylonitrile	2.499	9.808561E-02	4.998	0.109848	9.996	8.699726E-02	24.99	8.799322E-02	49.98	8.802525E-02	249.9	9.420532E-02
Benzene	0.5	0.8000888	1	0.9156609	2	0.8803617	5	0.7934592	10	0.7359414	50	0.800176
Bromobenzene	0.5	0.641056	1	0.6621863	2	0.5914626	5	0.6467631	10	0.579489	50	0.6402908
Bromochloromethane	0.5	0.1093716	1	0.1692393	2	0.140701	5	0.1313986	10	0.112671	50	0.1315389
Tert-Amyl Methyl Ether	0.5	0.6306069	1	0.7326989	2	0.6863854	5	0.6084636	10	0.594319	50	0.6639212
Bromodichloromethane	0.5	0.3849176	1	0.3212413	2	0.3108098	5	0.3016333	10	0.2722413	50	0.3183873
Bromoform	0.5	0.3945924	1	0.3386649	2	0.3466746	5	0.3226988	10	0.33363	50	0.3812498
Bromomethane	0.5	0.1684676	1	0.1779699	2	0.192281	5	0.1780457	10	0.1785955	50	0.2262205
Bromofluorobenzene												
n-Butylbenzene	0.5	1.615764	1	1.620222	2	1.568309	5	1.533788	10	1.313584	50	1.538153
2-Butanone												
sec-Butylbenzene	0.5	2.182433	1	2.042219	2	2.12414	5	1.9027	10	1.740465	50	1.975233
tert-Butylbenzene	0.5	1.42206	1	1.934084	2	1.652871	5	1.639224	10	1.426676	50	1.647677
Carbon disulfide	0.5	0.6700777	1	0.7146108	2	0.6935102	5	0.6335915	10	0.6337523	50	0.6850653
Carbon tetrachloride	0.5	0.2142449	1	0.2502996	2	0.2321267	5	0.2296175	10	0.2145385	50	0.245885
Chlorobenzene	0.5	1.326671	1	1.439744	2	1.348718	5	1.242116	10	1.218162	50	1.309918
Chloroethane	0.5	0.2639473	1	0.3176148	2	0.2371905	5	0.2382983	10	0.229075	50	0.2546896
Chloroform	0.5	0.4713124	1	0.525224	2	0.4449954	5	0.3898242	10	0.3843343	50	0.4034271
2-Chloroethyl vinyl ether	0.9975	0.1757648	1.995	0.1714589	3.99	0.1786886	9.975	0.1651317	19.95	0.1499097	99.75	0.1703667
Chloromethane	0.5	0.4048956	1	0.522269	2	0.5269472	5	0.4844209	10	0.4433077	50	0.4808374
1-Chlorohexane	0.501	1.585962	1.002	1.589005	2.004	1.398023	5.01	1.274661	10.02	1.22227	50.1	1.31726
2-Chlorotoluene	0.5	1.32624	1	1.808458	2	1.659932	5	1.543797	10	1.385015	50	1.54863
4-Chlorotoluene	0.5	1.73978	1	1.803072	2	1.855684	5	1.677465	10	1.535848	50	1.79964
Cyclohexane	0.5	0.4396916	1	0.4634382	2	0.409737	5	0.3895298	10	0.3643557	50	0.4100495
Dibromochloromethane	0.5	0.5283043	1	0.5578137	2	0.5173084	5	0.5282558	10	0.5005973	50	0.5522381
1,2-Dibromo-3-chloropropane	0.5		1	9.348104E-02	2	9.474229E-02	5	0.1156024	10	0.1023672	50	0.1237073
1,2-Dibromoethane (EDB)	0.5	0.5843429	1	0.6618649	2	0.6056568	5	0.540378	10	0.5211705	50	0.5524816
Dibromomethane	0.5	0.1536054	1	0.1796265	2	0.153499	5	0.1450265	10	0.1479124	50	0.1641915
1,2-Dichlorobenzene	0.5	0.8575686	1	1.041613	2	1.049727	5	0.9857437	10	0.9044381	50	1.03308

INITIAL CALIBRATION DATA

SW8260B

Laboratory: Empirical Laboratories, LLC

SDG: CTOJM29_003

Client: Tetra Tech NUS, Inc. (T010)

Project: Saufley Field Site 4 CTOJM29

Calibration: 1110001

Instrument: MS-VOA5

Matrix: Water

Calibration Dates: 4/15/11 9:53 4/15/11 17:45

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
1,3-Dichlorobenzene	0.5	1.273057	1	1.210968	2	1.111015	5	1.008536	10	0.9391991	50	1.051088
1,4-Dichlorobenzene	0.5	1.532551	1	1.16052	2	1.202197	5	1.083727	10	0.9748769	50	1.079088
Dichlorodifluoromethane	0.5	0.2840134	1	0.2858936	2	0.2909534	5	0.3119691	10	0.2727878	50	0.3162249
1,1-Dichloroethane	0.5	0.4287103	1	0.5320965	2	0.4751234	5	0.4325725	10	0.4120782	50	0.4661043
1,2-Dichloroethane	0.5	0.3562957	1	0.31363	2	0.3396192	5	0.3170589	10	0.2989102	50	0.3387723
1,1-Dichloroethene	0.5	0.2393828	1	0.2659251	2	0.2648033	5	0.1920973	10	0.1939775	50	0.2009782
cis-1,2-Dichloroethene	0.5	0.249482	1	0.3033548	2	0.3005381	5	0.247724	10	0.2281777	50	0.2555682
trans-1,2-Dichloroethene	0.5	0.2998018	1	0.2666415	2	0.2699336	5	0.2006577	10	0.2123392	50	0.230136
1,2-Dichloroethene (total)	1	0.2746419	2	0.2849981	4	0.2852358	10	0.2241909	20	0.2202585	100	0.2428521
1,2-Dichloropropane	0.5	0.2971116	1	0.3268379	2	0.3157074	5	0.2696402	10	0.2481496	50	0.2695601
1,3-Dichloropropane	0.5	0.843535	1	0.909842	2	0.8361608	5	0.8171525	10	0.764916	50	0.8162331
2,2-Dichloropropane	0.5	0.3501656	1	0.3412545	2	0.3056573	5	0.2780712	10	0.2715509	50	0.3022778
1,1-Dichloropropene	0.5	0.2968029	1	0.3418814	2	0.3254472	5	0.2892188	10	0.2793071	50	0.3077439
cis-1,3-Dichloropropene	0.5	0.3369793	1	0.4209045	2	0.3752986	5	0.3546505	10	0.3451507	50	0.3709639
trans-1,3-Dichloropropene	0.5	0.6572671	1	0.7202759	2	0.7544529	5	0.7045884	10	0.6688263	50	0.7769461
1,3-Dichloropropene (total)	1	0.3058216	2	0.3600701	4	0.3468991	10	0.3256349	20	0.3108605	100	0.3508639
Diisopropyl Ether	0.5	1.095436	1	1.089445	2	1.036587	5	1.039403	10	1.009037	50	1.099811
Ethylbenzene	0.5	2.026046	1	2.21121	2	2.244356	5	2.0568	10	1.979842	50	2.099205
Ethyl tert-Butyl Ether	0.5	0.8180381	1	0.8773582	2	0.8584222	5	0.7778061	10	0.7427239	50	0.8236289
Ethyl Methacrylate	0.5	0.7708219	1	0.7903798	2	0.7030081	5	0.7054255	10	0.6633499	50	0.7145584
Hexachlorobutadiene	0.5	0.3004126	1	0.2670639	2	0.2546861	5	0.2139476	10	0.1996979	50	0.2170609
2-Hexanone												
Iodomethane	0.5	~~0.1155017~~	1	0.1466517	2	0.1505738	5	0.1804679	10	0.1858682	50	0.2715026
Isopropylbenzene	0.5	1.553991	1	1.879496	2	1.64715	5	1.463981	10	1.484014	50	1.604791
p-Isopropyltoluene	0.5	1.89864	1	1.776951	2	1.742258	5	1.607387	10	1.523654	50	1.666623
Methylene chloride	0.5	~~0.3900775~~	1	0.2936392	2	0.2698228	5	0.2477597	10	0.2252182	50	0.2518085
Methyl Acetate	0.5	~~0.4609926~~	1	0.4005555	2	0.2358498	5	0.2255224	10	0.2031954	50	0.215042
Methylcyclohexane	0.5	0.3449617	1	0.2959674	2	0.3342673	5	0.2715628	10	0.2594567	50	0.2933012
Naphthalene	0.5	1.330595	1	1.403953	2	1.438523	5	1.267743	10	1.210153	50	1.336267
Methyl Methacrylate	0.5	0.3571778	1	0.3326583	2	0.2536673	5	0.2420409	10	0.2434765	50	0.2725396
4-Methyl-2-pentanone												

INITIAL CALIBRATION DATA

SW8260B

Laboratory: Empirical Laboratories, LLC
SDG: CTOJM29_003
Client: Tetra Tech NUS, Inc. (T010)
Project: Saufley Field Site 4 CTOJM29
Calibration: 1110001
Instrument: MS-VOA5
Matrix: Water
Calibration Dates: 4/15/11 9:53 4/15/11 17:45

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
Methyl t-Butyl Ether	0.5	0.58849	1	0.3847061	2	0.61701	5	0.5249432	10	0.5220101	50	0.575102
n-Propylbenzene	0.5	2.658898	1	2.631022	2	2.742525	5	2.498391	10	2.252019	50	2.51794
Styrene	0.5	1.191692	1	1.431338	2	1.394782	5	1.292819	10	1.286717	50	1.356195
1,1,2,2-Tetrachloroethane	0.5	0.6565294	1	0.8292243	2	0.7688837	5	0.6768636	10	0.6541766	50	0.723185
1,1,1,2-Tetrachloroethane	0.5	0.4367006	1	0.4756397	2	0.5285685	5	0.4857648	10	0.4354952	50	0.5080245
tert-Butyl alcohol	2.5	1.891953E-02	5	2.545306E-02	10	2.534346E-02	25	2.000688E-02	50	1.962376E-02	250	2.099059E-02
Tetrachloroethene	0.5	0.364093	1	0.5506471	2	0.4872814	5	0.4530117	10	0.4530936	50	0.4932279
Toluene	0.5	1.194858	1	1.156849	2	1.245383	5	1.085715	10	1.014703	50	1.112732
1,2,3-Trichlorobenzene	0.5	0.4865515	1	0.6485175	2	0.5326165	5	0.4876621	10	0.4486489	50	0.5188974
1,2,4-Trichlorobenzene	0.5	0.7493696	1	0.6890607	2	0.6505441	5	0.5479476	10	0.5055653	50	0.5773303
1,1,2-Trichloroethane	0.5	0.5303094	1	0.5252135	2	0.4770975	5	0.4418115	10	0.4350982	50	0.4271284
1,1,1-Trichloroethane	0.5	0.330761	1	0.3376056	2	0.3149539	5	0.2880055	10	0.2771033	50	0.3098753
Tetrahydrofuran	0.5	~~0.1634841~~	1	0.1109906	2	0.130662	5	7.513845E-02	10	7.189065E-02	50	7.579246E-02
Trichloroethene	0.5	0.2354577	1	0.2523815	2	0.2614126	5	0.2117919	10	0.2188451	50	0.2396014
Trichlorofluoromethane	0.5	0.4371778	1	0.4162929	2	0.4261584	5	0.3891685	10	0.3896686	50	0.3943387
1,2,3-Trichloropropane	0.5	0.1683271	1	0.1842854	2	0.2015794	5	0.1413224	10	0.1597234	50	0.1514929
1,3,5-Trimethylbenzene	0.5	1.681783	1	1.781468	2	1.842237	5	1.535102	10	1.452974	50	1.666816
1,2,4-Trimethylbenzene	0.5	1.815771	1	1.840546	2	1.734166	5	1.554856	10	1.452915	50	1.671327
1,1,2-Trichloro-1,2,2-trifluoroethan	0.5	0.1947962	1	0.245106	2	0.2140875	5	0.1963128	10	0.1816022	50	0.207954
Vinyl chloride	0.5	0.4777512	1	0.3889818	2	0.3273641	5	0.3402598	10	0.3620777	50	0.3030401
m,p-Xylene	1	1.670396	2	1.787353	4	1.678962	10	1.568847	20	1.459675	100	1.572657
o-Xylene	0.5	1.74923	1	1.94044	2	1.807285	5	1.558785	10	1.560928	50	1.627801
Vinyl acetate	0.9995	0.4135478	1.999	0.3447625	3.998	0.4064887	9.995	0.3548725	19.99	0.3401282	99.95	0.3820547
Xylenes (total)	1.5	1.696674	3	1.838382	6	1.721736	15	1.565493	30	1.493426	150	1.591039
Dibromofluoromethane												
1,2-Dichloroethane-d4												
Toluene-d8												
tert-Amyl alcohol	2.5	1.766705E-02	5	1.906405E-02	10	1.790397E-02	25	0.0169066	50	0.0166562	250	1.650561E-02
tert-Amyl ethyl ether	0.5	0.6824261	1	0.6596976	2	0.6734211	5	0.6479509	10	0.6062625	50	0.6795288

INITIAL CALIBRATION DATA (Continued)

SW8260B

Laboratory: Empirical Laboratories, LLC
SDG: CTOJM29_003
Client: Tetra Tech NUS, Inc. (T010)
Project: Saufley Field Site 4 CTOJM29
Calibration: 1110001
Instrument: MS-VOA5
Matrix: Water
Calibration Dates: 4/15/11 9:53 4/15/11 17:45

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
Acetone							1		2	~~0.2395382~~	4	0.1062259
Acrolein	500.2	4.761912E-02	750.3	4.441414E-02	1000	4.446742E-02						
Acrylonitrile	499.8	9.624532E-02	749.7	0.0967836	999.6	9.945679E-02						
Benzene	100	0.8082567	150	0.8163695	200	0.7988039						
Bromobenzene	100	0.6227843	150	0.6086506	200	0.6133366						
Bromochloromethane	100	0.1302925	150	0.134319	200	0.130993						
Tert-Amyl Methyl Ether	100	0.6658783	150	0.687089	200	0.681037						
Bromodichloromethane	100	0.3180744	150	0.3272917	200	0.325512						
Bromoform	100	0.3779496	150	0.3790748	200	0.3705986						
Bromomethane	100	0.2381992	150	0.2519488	200	0.2510808						
Bromofluorobenzene							30	0.8695019	30	0.8691996	40	0.8060909
n-Butylbenzene	100	1.474875	150	1.431947	200	1.444853						
2-Butanone							1	0.1415871	2	0.1638124	4	0.150175
sec-Butylbenzene	100	1.901739	150	1.885204	200	1.850669						
tert-Butylbenzene	100	1.602518	150	1.609183	200	1.551959						
Carbon disulfide	100	0.6887554	150	0.6911361	200	0.68595						
Carbon tetrachloride	100	0.2509112	150	0.2571727	200	0.2633611						
Chlorobenzene	100	1.235874	150	1.215821	200	1.168307						
Chloroethane	100	0.2458709	150	0.2418009	200	0.2428498						
Chloroform	100	0.4073919	150	0.4212198	200	0.4175302						
2-Chloroethyl vinyl ether	199.5	0.175057	299.2	0.1795702	399	0.17956						
Chloromethane	100	0.4652296	150	0.4745201	200	0.4687825						
1-Chlorohexane	100.2	1.256774	150.3	1.25052	200.4	1.210453						
2-Chlorotoluene	100	1.52764	150	1.514417	200	1.503625						
4-Chlorotoluene	100	1.720962	150	1.745691	200	1.735362						
Cyclohexane	100	0.4088501	150	0.4185832	200	0.4205054						
Dibromochloromethane	100	0.5342505	150	0.5344027	200	0.5202787						
1,2-Dibromo-3-chloropropane	100	0.1245736	150	0.1227042	200	0.1233507						
1,2-Dibromoethane (EDB)	100	0.5329544	150	0.5193847	200	0.5009687						
Dibromomethane	100	0.1620901	150	0.1675086	200	0.1653088						
1,2-Dichlorobenzene	100	0.9798451	150	0.9607292	200	0.9510329						

INITIAL CALIBRATION DATA (Continued)

SW8260B

Laboratory: Empirical Laboratories, LLC
SDG: CTOJM29_003
Client: Tetra Tech NUS, Inc. (T010)
Project: Saufley Field Site 4 CTOJM29
Calibration: 1110001
Instrument: MS-VOA5
Matrix: Water
Calibration Dates: 4/15/11 9:53 4/15/11 17:45

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
1,3-Dichlorobenzene	100	1.028373	150	0.998828	200	1.002863						
1,4-Dichlorobenzene	100	1.0591	150	1.030866	200	1.009536						
Dichlorodifluoromethane	100	0.3117621	150	0.3095106	200	0.3036366						
1,1-Dichloroethane	100	0.4650846	150	0.4714799	200	0.4701173						
1,2-Dichloroethane	100	0.3454874	150	0.3557143	200	0.3525558						
1,1-Dichloroethene	100	0.204577	150	0.2000217	200	0.2103732						
cis-1,2-Dichloroethene	100	0.2594392	150	0.2625341	200	0.2612869						
trans-1,2-Dichloroethene	100	0.2320617	150	0.2404701	200	0.2408501						
1,2-Dichloroethene (total)	200	0.2457505	300	0.2515021	400	0.2510685						
1,2-Dichloropropane	100	0.2768431	150	0.2841096	200	0.2821266						
1,3-Dichloropropane	100	0.7927853	150	0.7731411	200	0.7493176						
2,2-Dichloropropane	100	0.305663	150	0.3168261	200	0.3142077						
1,1-Dichloropropene	100	0.3115563	150	0.3233728	200	0.3222422						
cis-1,3-Dichloropropene	100	0.3828268	150	0.3965628	200	0.395178						
trans-1,3-Dichloropropene	100	0.7696532	150	0.7817741	200	0.7646546						
1,3-Dichloropropene (total)	200	0.3653738	300	0.3800619	400	0.3801002						
Diisopropyl Ether	100	1.11285	150	1.134986	200	1.107778						
Ethylbenzene	100	1.937883	150	1.922859	200	1.8281						
Ethyl tert-Butyl Ether	100	0.8342713	150	0.8474832	200	0.8437941						
Ethyl Methacrylate	100	0.6893992	150	0.6995502	200	0.6764212						
Hexachlorobutadiene	100	0.2183398	150	0.2151024	200	0.2166238						
2-Hexanone							1	0.5026459	2	0.5797565	4	0.4901297
Iodomethane	100	0.2889175	150	0.3081212	200	0.3008402						
Isopropylbenzene	100	1.506733	150	1.473016	200	1.422801						
p-Isopropyltoluene	100	1.637658	150	1.625244	200	1.615128						
Methylene chloride	100	0.2516857	150	0.2554455	200	0.2533425						
Methyl Acetate	100	0.2201898	150	0.2211768	200	0.2256047						
Methylcyclohexane	100	0.2949703	150	0.3038449	200	0.3052717						
Naphthalene	100	1.347997	150	1.313537	200	1.294839						
Methyl Methacrylate	100	0.2694595	150	0.2856965	200	0.2875679						
4-Methyl-2-pentanone							1	0.2715508	2	0.2845776	4	0.2933364

INITIAL CALIBRATION DATA (Continued)

SW8260B

Laboratory: Empirical Laboratories, LLC
SDG: CTOJM29_003
Client: Tetra Tech NUS, Inc. (T010)
Project: Saufley Field Site 4 CTOJM29
Calibration: 1110001
Instrument: MS-VOA5
Matrix: Water
Calibration Dates: 4/15/11 9:53 4/15/11 17:45

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
Methyl t-Butyl Ether	100	0.5988705	150	0.6159157	200	0.6139185						
n-Propylbenzene	100	2.408552	150	2.369597	200	2.286507						
Styrene	100	1.294683	150	1.308169	200	1.270967						
1,1,2,2-Tetrachloroethane	100	0.713353	150	0.6930676	200	0.6933867						
1,1,1,2-Tetrachloroethane	100	0.475352	150	0.4757034	200	0.4682421						
tert-Butyl alcohol	500	2.167814E-02	750	2.229985E-02	1000	2.231197E-02						
Tetrachloroethene	100	0.4520485	150	0.4602833	200	0.448791						
Toluene	100	1.081687	150	1.095633	200	1.082227						
1,2,3-Trichlorobenzene	100	0.4923064	150	0.4935776	200	0.4830579						
1,2,4-Trichlorobenzene	100	0.5539334	150	0.560741	200	0.5458707						
1,1,2-Trichloroethane	100	0.4151994	150	0.4180961	200	0.3989418						
1,1,1-Trichloroethane	100	0.3158352	150	0.3216286	200	0.327623						
Tetrahydrofuran	100	7.667164E-02	150	7.949791E-02	200	7.960101E-02						
Trichloroethene	100	0.23727	150	0.2431529	200	0.2463272						
Trichlorofluoromethane	100	0.3969179	150	0.3949105	200	0.3914032						
1,2,3-Trichloropropane	100	0.1423161	150	0.1506411	200	0.1443797						
1,3,5-Trimethylbenzene	100	1.583804	150	1.575997	200	1.565018						
1,2,4-Trimethylbenzene	100	1.633456	150	1.64197	200	1.585531						
1,1,2-Trichloro-1,2,2-trifluoroethan	100	0.2067751	150	0.2062075	200	0.2127444						
Vinyl chloride	100	0.2340032	150	0.2065956	200	0.1971065						
m,p-Xylene	200	1.501925	300	1.462725	400	1.317357						
o-Xylene	100	1.565988	150	1.553286	200	1.508714						
Vinyl acetate	199.9	0.3826316	299.8	0.3832969	399.8	0.3787505						
Xylenes (total)	300	1.523279	450	1.492912	600	1.381143						
Dibromofluoromethane							30	0.305082	30	0.3121115	40	0.2808014
1,2-Dichloroethane-d4							30	0.060848	30	6.200351E-02	40	0.057634
Toluene-d8							30	2.175583	30	2.133059	40	1.993034
tert-Amyl alcohol	500	1.750579E-02	750	1.752437E-02	1000	1.792482E-02						
tert-Amyl ethyl ether	100	0.6929417	150	0.7127362	200	0.7089255						

INITIAL CALIBRATION DATA (Continued)

SW8260B

Laboratory: Empirical Laboratories, LLC
SDG: CTOJM29_003
Client: Tetra Tech NUS, Inc. (T010)
Project: Saufley Field Site 4 CTOJM29
Calibration: 1110001
Instrument: MS-VOA5
Matrix: Water
Calibration Dates: 4/15/11 9:53 4/15/11 17:45

Compound	Level 13		Level 14		Level 15		Level 16		Level 17		Level 18	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
Acetone	10	0.1058109	20	9.662517E-02	100	9.160077E-02	200	8.873568E-02	300	8.776138E-02	400	0.0912852
Acrolein												
Acrylonitrile												
Benzene												
Bromobenzene												
Bromochloromethane												
Tert-Amyl Methyl Ether												
Bromodichloromethane												
Bromoform												
Bromomethane												
Bromofluorobenzene	50	0.8179282	60	0.8024138	70	0.7653987	30	0.9016312	30	0.8719414	30	0.8837117
n-Butylbenzene												
2-Butanone	10	0.1154252	20	0.1283318	100	0.140829	200	0.1341546	300	0.1343933	400	0.1349522
sec-Butylbenzene												
tert-Butylbenzene												
Carbon disulfide												
Carbon tetrachloride												
Chlorobenzene												
Chloroethane												
Chloroform												
2-Chloroethyl vinyl ether												
Chloromethane												
1-Chlorohexane												
2-Chlorotoluene												
4-Chlorotoluene												
Cyclohexane												
Dibromochloromethane												
1,2-Dibromo-3-chloropropane												
1,2-Dibromoethane (EDB)												
Dibromomethane												
1,2-Dichlorobenzene												

INITIAL CALIBRATION DATA (Continued)

SW8260B

Laboratory: Empirical Laboratories, LLC
SDG: CTOJM29_003
Client: Tetra Tech NUS, Inc. (T010)
Project: Saufley Field Site 4 CTOJM29
Calibration: 1110001
Instrument: MS-VOA5
Matrix: Water
Calibration Dates: 4/15/11 9:53 4/15/11 17:45

Compound	Level 13		Level 14		Level 15		Level 16		Level 17		Level 18	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
1,3-Dichlorobenzene												
1,4-Dichlorobenzene												
Dichlorodifluoromethane												
1,1-Dichloroethane												
1,2-Dichloroethane												
1,1-Dichloroethene												
cis-1,2-Dichloroethene												
trans-1,2-Dichloroethene												
1,2-Dichloroethene (total)												
1,2-Dichloropropane												
1,3-Dichloropropane												
2,2-Dichloropropane												
1,1-Dichloropropene												
cis-1,3-Dichloropropene												
trans-1,3-Dichloropropene												
1,3-Dichloropropene (total)												
Diisopropyl Ether												
Ethylbenzene												
Ethyl tert-Butyl Ether												
Ethyl Methacrylate												
Hexachlorobutadiene												
2-Hexanone	10	0.4151944	20	0.4738867	100	0.4647011	200	0.4730331	300	0.4535798	400	0.4782568
Iodomethane												
Isopropylbenzene												
p-Isopropyltoluene												
Methylene chloride												
Methyl Acetate												
Methylcyclohexane												
Naphthalene												
Methyl Methacrylate												
4-Methyl-2-pentanone	10	0.2591883	20	0.2753029	100	0.2847717	200	0.2842831	300	0.2727058	400	0.2794371

INITIAL CALIBRATION DATA (Continued)

SW8260B

Laboratory: Empirical Laboratories, LLC
SDG: CTOJM29_003
Client: Tetra Tech NUS, Inc. (T010)
Project: Saufley Field Site 4 CTOJM29
Calibration: 1110001
Instrument: MS-VOA5
Matrix: Water
Calibration Dates: 4/15/11 9:53 4/15/11 17:45

Compound	Level 13		Level 14		Level 15		Level 16		Level 17		Level 18	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
Methyl t-Butyl Ether												
n-Propylbenzene												
Styrene												
1,1,2,2-Tetrachloroethane												
1,1,1,2-Tetrachloroethane												
tert-Butyl alcohol												
Tetrachloroethene												
Toluene												
1,2,3-Trichlorobenzene												
1,2,4-Trichlorobenzene												
1,1,2-Trichloroethane												
1,1,1-Trichloroethane												
Tetrahydrofuran												
Trichloroethene												
Trichlorofluoromethane												
1,2,3-Trichloropropane												
1,3,5-Trimethylbenzene												
1,2,4-Trimethylbenzene												
1,1,2-Trichloro-1,2,2-trifluoroethan												
Vinyl chloride												
m,p-Xylene												
o-Xylene												
Vinyl acetate												
Xylenes (total)												
Dibromofluoromethane	50	0.2831616	60	0.2832524	70	0.2746393	30	0.3029928	30	0.2980317	30	0.2988701
1,2-Dichloroethane-d4	50	6.188906E-02	60	5.667148E-02	70	5.616298E-02	30	0.0631027	30	5.735518E-02	30	5.957207E-02
Toluene-d8	50	1.973692	60	1.954738	70	1.847237	30	2.162138	30	2.08284	30	2.181926
tert-Amyl alcohol												
tert-Amyl ethyl ether												

INITIAL CALIBRATION DATA (Continued)

SW8260B

Laboratory: Empirical Laboratories, LLC
SDG: CTOJM29_003
Client: Tetra Tech NUS, Inc. (T010)
Project: Saufley Field Site 4 CTOJM29
Calibration: 1110001
Instrument: MS-VOA5
Matrix: Water
Calibration Dates: 4/15/11 9:53 4/15/11 17:45

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
Acetone	0.095435	8.130072	3.761286	9.346288E-02			15	
Acrolein	5.338917E-02	25.4234	3.639333	0.1077746	0.9990652		0.995	
Acrylonitrile	9.529337E-02	7.569294	4.589333	0.1474434			15	
Benzene	0.8165687	6.399931	7.650444	5.168866E-02			15	
Bromobenzene	0.622891	4.364366	12.40278	5.143733E-02			15	
Bromochloromethane	0.1322805	12.97677	6.738889	0.0928818			15	
Tert-Amyl Methyl Ether	0.6611555	6.555788	7.841111	7.572897E-02			15	
Bromodichloromethane	0.3200121	9.249059	8.636667	6.813749E-02			15	
Bromoform	0.3605704	7.045665	11.81067	5.905082E-02			SPCC (0.1)	
Bromomethane	0.2069788	16.64528	2.818556	0.1637358	0.9991868		0.995	
Bromofluorobenzene	0.8430908	5.464727	12.24611	1.755882E-02			15	
n-Butylbenzene	1.504611	6.561854	13.83644	3.032147E-02			15	
2-Butanone	0.1381845	9.827188	6.202444	5.654298E-02			15	
sec-Butylbenzene	1.956089	7.131853	13.29478	2.976972E-02			15	
tert-Butylbenzene	1.609584	9.357792	13.06044	5.049762E-02			15	
Carbon disulfide	0.6773833	4.033366	4.763333	4.957716E-02			15	
Carbon tetrachloride	0.2397952	7.491069	7.617778	6.986726E-02			15	
Chlorobenzene	1.27837	6.608143	11.08278	5.423621E-02			SPCC (0.3)	
Chloroethane	0.2523708	10.49478	2.951	0.1958913			15	
Chloroform	0.4294733	10.46046	6.715889	8.754408E-02			CCC (20)	
2-Chloroethyl vinyl ether	0.1717231	5.52504	8.994556	6.848219E-02			15	
Chloromethane	0.4745789	7.851537	2.228667	0.1926709			SPCC (0.1)	
1-Chlorohexane	1.344992	11.02804	11.049	3.869327E-02			15	
2-Chlorotoluene	1.535306	9.158972	12.625	3.281746E-02			15	
4-Chlorotoluene	1.734834	5.262659	12.68844	4.818632E-02			15	
Cyclohexane	0.4138601	6.775805	7.549889	5.761858E-02			15	
Dibromochloromethane	0.5303833	3.2862	10.31456	6.028785E-02			15	
1,2-Dibromo-3-chloropropane	0.1125661	12.02491	14.44125	3.902792E-02			15	
1,2-Dibromoethane (EDB)	0.5576892	9.147644	10.52789	5.679238E-02			15	
Dibromomethane	0.1598632	6.798654	8.573222	6.249779E-02			15	
1,2-Dichlorobenzene	0.9737531	6.602409	13.79711	3.249335E-02			15	
1,3-Dichlorobenzene	1.069325	10.20858	13.38444	4.478999E-02			15	

INITIAL CALIBRATION DATA (Continued)

SW8260B

Laboratory: Empirical Laboratories, LLC
SDG: CTOJM29_003
Client: Tetra Tech NUS, Inc. (T010)
Project: Saufley Field Site 4 CTOJM29
Calibration: 1110001
Instrument: MS-VOA5
Matrix: Water
Calibration Dates: 4/15/11 9:53 4/15/11 17:45

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
1,4-Dichlorobenzene	1.125829	14.93571	13.47644	4.420105E-02			15	
Dichlorodifluoromethane	0.2985279	5.170388	2.017222	0.1785951	0.9997339		0.995	
1,1-Dichloroethane	0.4614852	7.557788	5.750445	9.968297E-02			SPCC (0.1)	
1,2-Dichloroethane	0.3353382	6.162455	7.478667	8.089861E-02			15	
1,1-Dichloroethene	0.2191262	13.53056	4.228111	0.1783801			CCC (20)	
cis-1,2-Dichloroethene	0.2631228	9.248231	6.459889	8.951479E-02			15	
trans-1,2-Dichloroethene	0.2436546	12.59655	5.375111	0.1345106			15	
1,2-Dichloroethene (total)	0.2533887	9.456715	0	0			15	
1,2-Dichloropropane	0.2855651	8.528436	8.460444	7.290993E-02			CCC (20)	
1,3-Dichloropropane	0.8114537	6.040153	10.05411	0.0399961			15	
2,2-Dichloropropane	0.3095193	8.274472	6.569333	9.334919E-02			15	
1,1-Dichloropropene	0.3108414	6.366392	7.497444	8.152097E-02			15	
cis-1,3-Dichloropropene	0.3753906	7.176617	9.211445	6.630273E-02			15	
trans-1,3-Dichloropropene	0.7331598	6.458765	9.686222	5.472616E-02			15	
1,3-Dichloropropene (total)	0.3472984	7.996073	9.686222	5.472616E-02			15	
Diisopropyl Ether	1.080593	3.893299	6.121667	6.412666E-02			15	
Ethylbenzene	2.034033	6.673525	11.22944	0.0629414			CCC (20)	
Ethyl tert-Butyl Ether	0.8248362	5.044401	6.587778	7.160754E-02			15	
Ethyl Methacrylate	0.712546	5.877163	9.872444	5.863743E-02			15	
Hexachlorobutadiene	0.2336594	14.11394	15.80222	3.541708E-02			15	
2-Hexanone	0.4812427	9.22694	9.992778	3.236776E-02			15	
Iodomethane	0.2291179	30.40252	4.4235	0.1630534	0.9990179		0.995	
Isopropylbenzene	1.559553	8.952109	12.13022	3.579421E-02			15	
p-Isopropyltoluene	1.67706	6.663178	13.43278	2.871329E-02			15	
Methylene chloride	0.2560903	7.621563	4.710375	0.1147551			15	
Methyl Acetate	0.243392	26.37392	4.575	9.409387E-02	0.999715		0.995	
Methylcyclohexane	0.3004004	8.944592	8.791	4.837696E-02			15	
Naphthalene	1.327067	5.143918	15.67311	3.798954E-02			15	
Methyl Methacrylate	0.2826983	13.92008	7.548778	7.251518E-02			15	
4-Methyl-2-pentanone	0.2783504	3.582551	9.140111	2.964067E-02			15	
Methyl t-Butyl Ether	0.5601073	13.42515	5.375111	7.721725E-02			15	
n-Propylbenzene	2.48505	6.85256	12.53956	5.596903E-02			15	

INITIAL CALIBRATION DATA (Continued)

SW8260B

Laboratory: Empirical Laboratories, LLC
SDG: CTOJM29_003
Client: Tetra Tech NUS, Inc. (T010)
Project: Saufley Field Site 4 CTOJM29
Calibration: 1110001
Instrument: MS-VOA5
Matrix: Water
Calibration Dates: 4/15/11 9:53 4/15/11 17:45

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
Styrene	1.314151	5.413242	11.70344	5.177519E-02			15	
1,1,2,2-Tetrachloroethane	0.7120744	7.923079	12.05467	5.038292E-02			SPCC (0.3)	
1,1,1,2-Tetrachloroethane	0.4766101	6.262437	11.12456	4.672365E-02			15	
tert-Butyl alcohol	2.184747E-02	10.65008	4.374778	0.1799545			15	
Tetrachloroethene	0.4624975	10.6729	10.424	5.774833E-02			15	
Toluene	1.118865	6.198212	9.688333	5.751295E-02			CCC (20)	
1,2,3-Trichlorobenzene	0.510204	11.15195	15.95856	3.955662E-02			15	
1,2,4-Trichlorobenzene	0.5978181	13.4198	15.521	2.557265E-02			15	
1,1,2-Trichloroethane	0.4520995	10.62213	9.842667	6.054729E-02			15	
1,1,1-Trichloroethane	0.3137102	6.314808	7.277333	7.972291E-02			15	
Tetrahydrofuran	8.753059E-02	24.39609	6.928	8.088625E-02	0.9995802		0.995	
Trichloroethene	0.2384711	6.483154	8.412333	8.104842E-02			15	
Trichlorofluoromethane	0.4040041	4.421798	3.443333	0.0711888			15	
1,2,3-Trichloropropane	0.1604519	12.94579	12.18167	0.049631			15	
1,3,5-Trimethylbenzene	1.631689	7.556347	12.71789	0.0493266			15	
1,2,4-Trimethylbenzene	1.658949	7.474238	13.09133	5.295763E-02			15	
1,1,2-Trichloro-1,2,2-trifluoroethane	0.2072873	8.432636	4.302556	0.1663512			15	
Vinyl chloride	0.3152422	29.09972	2.374222	0.1915386		0.9981236	CCC (20)	*
m,p-Xylene	1.557766	9.078421	11.34	6.848237E-02			15	
o-Xylene	1.652495	8.873298	11.73289	5.401407E-02			15	
Vinyl acetate	0.3762815	6.768409	5.822778	0.1039803			15	
Xylenes (total)	1.589343	8.838143	0	0			15	
Dibromofluoromethane	0.2932159	4.427291	6.893333	0.0409069			15	
1,2-Dichloroethane-d4	0.059471	4.368149	7.391111	4.109608E-02			15	
Toluene-d8	2.056027	5.771716	9.617222	3.111463E-02			15	
tert-Amyl alcohol	1.751761E-02	4.453294	7.088	8.142149E-02			15	
tert-Amyl ethyl ether	0.6737656	4.880926	8.727444	6.940179E-02			15	

INITIAL CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	CTOJM29_003
Client:	Tetra Tech NUS, Inc. (T010)	Project:	Saufley Field Site 4 CTOJM29
Instrument ID:	MS-VOA5	Calibration:	1110001
Lab File ID:	0415ICV2.D	Calibration Date:	04/15/11 09:53
Sequence:	1D10810	Injection Date:	04/15/11
Lab Sample ID:	1D10810-ICV2	Injection Time:	14:01

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)
Benzene	A	100.0	101.0	0.8165687	0.824451		1.0	20
Carbon tetrachloride	A	100.0	107.2	0.2397952	0.2570399		7.2	20
Chlorobenzene	A	100.0	101.7	1.27837	1.300708	0.3	1.7	20
Chloroethane	A	100.0	93.79	0.2523708	0.2366934		-6.2	20
2-Chloroethyl vinyl ether	A	199.5	231.7	0.1717231	0.1989243		15.8	20
Dibromochloromethane	A	100.0	106.8	0.5303833	0.5662585		6.8	20
1,2-Dichlorobenzene	A	100.0	102.7	0.9737531	1.0004		2.7	20
1,3-Dichlorobenzene	A	100.0	97.34	1.069325	1.040926		-2.7	20
1,4-Dichlorobenzene	A	100.0	95.30	1.125829	1.072881		-4.7	20
Dichlorodifluoromethane	L	100.0	118.6	0.2985279	0.3640635		18.6	20
1,1-Dichloroethane	A	100.0	102.7	0.4614852	0.4740397	0.1	2.7	20
1,2-Dichloroethane	A	100.0	104.8	0.3353382	0.351463		4.8	20
1,1-Dichloroethene	A	100.0	99.74	0.2191262	0.2185616		-0.3	20
cis-1,2-Dichloroethene	A	100.0	98.50	0.2631228	0.2591797		-1.5	20
trans-1,2-Dichloroethene	A	100.0	99.02	0.2436546	0.241263		-1.0	20
1,2-Dichloropropane	A	100.0	100.1	0.2855651	0.2858466		0.1	20
cis-1,3-Dichloropropene	A	100.0	100.3	0.3753906	0.3764082		0.3	20
trans-1,3-Dichloropropene	A	100.0	117.0	0.7331598	0.8574418		17.0	20
Ethylbenzene	A	100.0	99.98	2.034033	2.033602		-0.02	20
Isopropylbenzene	A	100.0	106.1	1.559553	1.654837		6.1	20
Methylene chloride	A	100.0	101.1	0.2560903	0.2589239		1.1	20
Methyl t-Butyl Ether	A	100.0	107.3	0.5601073	0.6009371		7.3	20
1,1,2,2-Tetrachloroethane	A	100.0	99.25	0.7120744	0.7067488	0.3	-0.7	20
Tetrachloroethene	A	100.0	105.7	0.4624975	0.488637		5.7	20
Toluene	A	100.0	100.4	1.118865	1.123341		0.4	20
1,2,4-Trichlorobenzene	A	100.0	94.82	0.5978181	0.5668317		-5.2	20
1,1,2-Trichloroethane	A	100.0	93.72	0.4520995	0.4236851		-6.3	20
1,1,1-Trichloroethane	A	100.0	101.5	0.3137102	0.3183372		1.5	20
Trichloroethene	A	100.0	104.8	0.2384711	0.2498765		4.8	20

INITIAL CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	CTOJM29_003
Client:	Tetra Tech NUS, Inc. (T010)	Project:	Saufley Field Site 4 CTOJM29
Instrument ID:	MS-VOA5	Calibration:	1110001
Lab File ID:	0415ICV2.D	Calibration Date:	04/15/11 09:53
Sequence:	1D10810	Injection Date:	04/15/11
Lab Sample ID:	1D10810-ICV2	Injection Time:	14:01

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)
Vinyl chloride	Q	100.0	102.4	0.3152422	0.2413318		2.4	20
Xylenes (total)	A	300.0	298.9	1.589343	1.583136		-0.4	20
Bromofluorobenzene	A	30.00	29.40	0.8430908	0.8261078		-2.0	20
Dibromofluoromethane	A	30.00	31.09	0.2932159	0.3038724		3.6	20
1,2-Dichloroethane-d4	A	30.00	31.37	0.059471	6.218618E-02		4.6	20
Toluene-d8	A	30.00	29.51	2.056027	2.022546		-1.6	20

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	CTOJM29_003
Client:	Tetra Tech NUS, Inc. (T010)	Project:	Saufley Field Site 4 CTOJM29
Instrument ID:	MS-VOA5	Calibration:	1110001
Lab File ID:	0526CC1.D	Calibration Date:	04/15/11 09:53
Sequence:	1E14709	Injection Date:	05/26/11
Lab Sample ID:	1E14709-CCV1	Injection Time:	09:11

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Benzene	A	100.0	99.70	0.8165687	0.8141549		-0.3	20
Carbon tetrachloride	A	100.0	90.96	0.2397952	0.2181066		-9.0	20
Chlorobenzene	A	100.0	99.78	1.27837	1.275569	0.3	-0.2	20
Chloroethane	A	100.0	94.33	0.2523708	0.238054		-5.7	20
2-Chloroethyl vinyl ether	A	199.5	168.6	0.1717231	0.1447411		-15.7	20
Dibromochloromethane	A	100.0	103.8	0.5303833	0.5503374		3.8	20
1,2-Dichlorobenzene	A	100.0	97.15	0.9737531	0.9459839		-2.9	20
1,3-Dichlorobenzene	A	100.0	89.91	1.069325	0.9614178		-10.1	20
1,4-Dichlorobenzene	A	100.0	88.98	1.125829	1.001738		-11.0	20
Dichlorodifluoromethane	L	100.0	95.26	0.2985279	0.2925507		-4.7	20
1,1-Dichloroethane	A	100.0	96.75	0.4614852	0.4464694	0.1	-3.3	20
1,2-Dichloroethane	A	100.0	96.55	0.3353382	0.3237858		-3.4	20
1,1-Dichloroethene	A	100.0	89.88	0.2191262	0.1969426		-10.1	20
cis-1,2-Dichloroethene	A	100.0	96.92	0.2631228	0.2550136		-3.1	20
trans-1,2-Dichloroethene	A	100.0	92.27	0.2436546	0.2248191		-7.7	20
1,2-Dichloropropane	A	100.0	95.57	0.2855651	0.2729276		-4.4	20
cis-1,3-Dichloropropene	A	100.0	96.80	0.3753906	0.3633747		-3.2	20
trans-1,3-Dichloropropene	A	100.0	106.6	0.7331598	0.781311		6.6	20
Ethylbenzene	A	100.0	98.47	2.034033	2.002921		-1.5	20
Isopropylbenzene	A	100.0	97.37	1.559553	1.518574		-2.6	20
Methylene chloride	A	100.0	97.13	0.2560903	0.2487438		-2.9	20
Methyl t-Butyl Ether	A	100.0	108.5	0.5601073	0.6076383		8.5	20
1,1,2,2-Tetrachloroethane	A	100.0	103.5	0.7120744	0.7371769	0.3	3.5	20
Tetrachloroethene	A	100.0	99.49	0.4624975	0.4601301		-0.5	20
Toluene	A	100.0	101.6	1.118865	1.137141		1.6	20
1,2,4-Trichlorobenzene	A	100.0	88.59	0.5978181	0.5296173		-11.4	20
1,1,2-Trichloroethane	A	100.0	101.1	0.4520995	0.4568981		1.1	20
1,1,1-Trichloroethane	A	100.0	88.16	0.3137102	0.2765722		-11.8	20
Trichloroethene	A	100.0	93.78	0.2384711	0.2236312		-6.2	20

CONTINUING CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	CTOJM29_003
Client:	Tetra Tech NUS, Inc. (T010)	Project:	Saufley Field Site 4 CTOJM29
Instrument ID:	MS-VOA5	Calibration:	1110001
Lab File ID:	0526CC1.D	Calibration Date:	04/15/11 09:53
Sequence:	1E14709	Injection Date:	05/26/11
Lab Sample ID:	1E14709-CCV1	Injection Time:	09:11

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Vinyl chloride	Q	100.0	80.89	0.3152422	0.2020545		-19.1	20
Xylenes (total)	A	300.0	291.5	1.589343	1.544388		-2.8	20
Bromofluorobenzene	A	30.00	29.75	0.8430908	0.8360071		-0.8	20
Dibromofluoromethane	A	30.00	30.18	0.2932159	0.2949339		0.6	20
1,2-Dichloroethane-d4	A	30.00	30.14	0.059471	5.974677E-02		0.5	20
Toluene-d8	A	30.00	30.67	2.056027	2.10183		2.2	20

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

ANALYSIS DATA SHEET

Blank

Laboratory: Empirical Laboratories, LLC SDG: CTOJM29_003

Client: Tetra Tech NUS, Inc. (T010) Project: Saufley Field Site 4 CTOJM29

Matrix: Laboratory ID: 1E26013-BLK1 File ID: 0526BL1.D

Sampled: Prepared: Analyzed: 05/26/11 10:52

Solids: Preparation: 5030B Dilution:

Batch: 1E26013 Sequence: 1E14709 Calibration: 1110001 Instrument: MS-VOA5

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
71-43-2	Benzene		0.250	0.500	1.00	U
56-23-5	Carbon tetrachloride		0.250	0.500	1.00	U
108-90-7	Chlorobenzene		0.250	0.500	1.00	U
75-00-3	Chloroethane		0.500	1.00	2.00	U
110-75-8	2-Chloroethyl vinyl ether		1.25	2.50	5.00	U
124-48-1	Dibromochloromethane		0.250	0.500	1.00	U
95-50-1	1,2-Dichlorobenzene		0.250	0.500	1.00	U
541-73-1	1,3-Dichlorobenzene		0.250	0.500	1.00	U
106-46-7	1,4-Dichlorobenzene		0.250	0.500	1.00	U
75-34-3	1,1-Dichloroethane		0.250	0.500	1.00	U
107-06-2	1,2-Dichloroethane		0.250	0.500	1.00	U
75-35-4	1,1-Dichloroethene		0.250	0.500	1.00	U
156-59-2	cis-1,2-Dichloroethene		0.250	0.500	1.00	U
156-60-5	trans-1,2-Dichloroethene		0.250	0.500	1.00	U
78-87-5	1,2-Dichloropropane		0.250	0.500	1.00	U
10061-01-5	cis-1,3-Dichloropropene		0.250	0.500	1.00	U
10061-02-6	trans-1,3-Dichloropropene		0.250	0.500	1.00	U
100-41-4	Ethylbenzene		0.250	0.500	1.00	U
98-82-8	Isopropylbenzene		0.250	0.500	1.00	U
75-09-2	Methylene chloride		0.500	1.00	2.00	U
1634-04-4	Methyl t-Butyl Ether		0.250	0.500	1.00	U
79-34-5	1,1,2,2-Tetrachloroethane		0.250	0.500	1.00	U
127-18-4	Tetrachloroethene		0.250	0.500	1.00	U
108-88-3	Toluene		0.250	0.500	1.00	U
120-82-1	1,2,4-Trichlorobenzene	0.473	0.250	0.500	1.00	I
79-00-5	1,1,2-Trichloroethane		0.250	0.500	1.00	U
71-55-6	1,1,1-Trichloroethane		0.250	0.500	1.00	U
79-01-6	Trichloroethene		0.250	0.500	1.00	U
75-01-4	Vinyl chloride		0.250	0.500	1.00	U
1330-20-7	Xylenes (total)		0.750	1.50	3.00	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	30.17	101	75 - 120	
Dibromofluoromethane	30.00	30.84	103	85 - 115	
1,2-Dichloroethane-d4	30.00	30.50	102	70 - 120	
Toluene-d8	30.00	31.74	106	85 - 120	

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC SDG: CTOJM29_003

Client: Tetra Tech NUS, Inc. (T010) Project: Saufley Field Site 4 CTOJM29

Matrix: Laboratory ID: 1E26013-BS1 File ID: 0526LS1.D

Sampled: Prepared: Analyzed: 05/26/11 09:37

Solids: Preparation: 5030B Dilution:

Batch: 1E26013 Sequence: 1E14709 Calibration: 1110001 Instrument: MS-VOA5

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
71-43-2	Benzene	53.5	0.250	0.500	1.00	
56-23-5	Carbon tetrachloride	48.1	0.250	0.500	1.00	
108-90-7	Chlorobenzene	53.6	0.250	0.500	1.00	
75-00-3	Chloroethane	48.6	0.500	1.00	2.00	
110-75-8	2-Chloroethyl vinyl ether	105	1.25	2.50	5.00	
124-48-1	Dibromochloromethane	52.2	0.250	0.500	1.00	
95-50-1	1,2-Dichlorobenzene	49.3	0.250	0.500	1.00	
541-73-1	1,3-Dichlorobenzene	46.6	0.250	0.500	1.00	
106-46-7	1,4-Dichlorobenzene	45.5	0.250	0.500	1.00	
75-71-8	Dichlorodifluoromethane	61.1	0.500	1.00	2.00	
75-34-3	1,1-Dichloroethane	51.8	0.250	0.500	1.00	
107-06-2	1,2-Dichloroethane	49.6	0.250	0.500	1.00	
75-35-4	1,1-Dichloroethene	53.6	0.250	0.500	1.00	
156-59-2	cis-1,2-Dichloroethene	51.0	0.250	0.500	1.00	
156-60-5	trans-1,2-Dichloroethene	51.6	0.250	0.500	1.00	
78-87-5	1,2-Dichloropropane	49.6	0.250	0.500	1.00	
10061-01-5	cis-1,3-Dichloropropene	47.4	0.250	0.500	1.00	
10061-02-6	trans-1,3-Dichloropropene	56.5	0.250	0.500	1.00	
100-41-4	Ethylbenzene	53.6	0.250	0.500	1.00	
98-82-8	Isopropylbenzene	55.6	0.250	0.500	1.00	
75-09-2	Methylene chloride	51.8	0.500	1.00	2.00	
1634-04-4	Methyl t-Butyl Ether	52.4	0.250	0.500	1.00	
79-34-5	1,1,2,2-Tetrachloroethane	50.9	0.250	0.500	1.00	
127-18-4	Tetrachloroethene	52.8	0.250	0.500	1.00	
108-88-3	Toluene	52.8	0.250	0.500	1.00	
120-82-1	1,2,4-Trichlorobenzene	47.1	0.250	0.500	1.00	
79-00-5	1,1,2-Trichloroethane	50.2	0.250	0.500	1.00	
71-55-6	1,1,1-Trichloroethane	46.1	0.250	0.500	1.00	
79-01-6	Trichloroethene	51.9	0.250	0.500	1.00	
75-01-4	Vinyl chloride	42.8	0.250	0.500	1.00	
1330-20-7	Xylenes (total)	156	0.750	1.50	3.00	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	30.77	103	75 - 120	
Dibromofluoromethane	30.00	31.38	105	85 - 115	
1,2-Dichloroethane-d4	30.00	29.96	99.9	70 - 120	
Toluene-d8	30.00	31.42	105	85 - 120	

HOLDING TIME SUMMARY

SW8260B

Laboratory: Empirical Laboratories, LLC

SDG: CTOJM29_003

Client: Tetra Tech NUS, Inc. (T010)

Project: Saufley Field Site 4 CTOJM29

Sample Name	Date Collected	Date Received	Date Prepared	Days to Prep	Max Days to Prep	Date Analyzed	Days to Analysis	Max Days to Analysis	Q
OLFS4-MW29D	05/25/11 13:25	05/26/11 09:00	05/26/11 00:00	N/A	14.00	05/26/11 13:07	0.99	14.00	
Trip Blank 9729	05/25/11 13:25	05/26/11 09:00	05/26/11 00:00	N/A	14.00	05/26/11 11:18	0.91	14.00	

Data for SW8270C (PAH) Forms

ANALYSIS DATA SHEET

OLFS4-MW29D

Laboratory: Empirical Laboratories, LLC SDG: CTOJM29_003

Client: Tetra Tech NUS, Inc. (T010) Project: Saufley Field Site 4 CTOJM29

Matrix: Ground Water Laboratory ID: 1105224-01 File ID: 0522401.D

Sampled: 05/25/11 13:25 Prepared: 05/31/11 11:55 Analyzed: 06/01/11 15:20

Solids: Preparation: EXT_3510 Dilution: 1

Batch: 1E27021 Sequence: 1F15312 Calibration: 1112002 Instrument: MS-BNA4

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene		0.0467	0.0935	0.187	U
208-96-8	Acenaphthylene		0.0467	0.0935	0.187	U
120-12-7	Anthracene		0.0467	0.0935	0.187	U
56-55-3	Benzo(a)anthracene		0.0467	0.0935	0.187	U
50-32-8	Benzo(a)pyrene		0.0467	0.0935	0.187	U
205-99-2	Benzo(b)fluoranthene		0.0467	0.0935	0.187	U
191-24-2	Benzo(g,h,i)perylene		0.0467	0.0935	0.187	U
207-08-9	Benzo(k)fluoranthene		0.0467	0.0935	0.187	U
218-01-9	Chrysene		0.0467	0.0935	0.187	U
53-70-3	Dibenz(a,h)anthracene		0.0467	0.0935	0.187	U
206-44-0	Fluoranthene		0.0467	0.0935	0.187	U
86-73-7	Fluorene		0.0467	0.0935	0.187	U
193-39-5	Indeno(1,2,3-cd)pyrene		0.0467	0.0935	0.187	U
90-12-0	1-Methylnaphthalene		0.0467	0.0935	0.187	U
91-57-6	2-Methylnaphthalene		0.0467	0.0935	0.187	U
91-20-3	Naphthalene		0.0467	0.0935	0.187	U
85-01-8	Phenanthrene		0.0467	0.0935	0.187	U
129-00-0	Pyrene		0.0467	0.0935	0.187	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	46.73	44.81	95.9	34 - 167	
Terphenyl-d14	46.73	45.79	98.0	34 - 167	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8270C

Laboratory: Empirical Laboratories, LLC
SDG: CTOJM29_003
Client: Tetra Tech NUS, Inc. (T010)
Project: Saufley Field Site 4 CTOJM29
Sequence: 1F15312
Instrument: MS-BNA4
Calibration: 1112002

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Calibration Check (1F15312-CCV1) ug/mL				Lab File ID: SEQ-CCV1.D		Analyzed: 06/01/11 13:10		
2-Fluorobiphenyl	5.000	101	80 - 120	6.565	6.565	0.0000	+/-0.500	
Terphenyl-d14	5.000	83.0	80 - 120	11.074	11.074	0.0000	+/-0.500	
Blank (1E27021-BLK1) ug/L				Lab File ID: E27021B1.D		Analyzed: 06/01/11 14:02		
2-Fluorobiphenyl	50.00	176	34 - 167	6.575	6.565	0.0100	+/-0.500	*
Terphenyl-d14	50.00	197	34 - 167	11.083	11.074	0.0090	+/-0.500	*
LCS (1E27021-BS1) ug/L				Lab File ID: E27021L1.D		Analyzed: 06/01/11 14:28		
2-Fluorobiphenyl	50.00	84.9	34 - 167	6.565	6.565	0.0000	+/-0.500	
Terphenyl-d14	50.00	88.7	34 - 167	11.083	11.074	0.0090	+/-0.500	
LCS Dup (1E27021-BSD1) ug/L				Lab File ID: E27021L2.D		Analyzed: 06/01/11 14:54		
2-Fluorobiphenyl	50.00	91.2	34 - 167	6.565	6.565	0.0000	+/-0.500	
Terphenyl-d14	50.00	87.3	34 - 167	11.083	11.074	0.0090	+/-0.500	
OLFS4-MW29D (1105224-01) ug/L				Lab File ID: 0522401.D		Analyzed: 06/01/11 15:20		
2-Fluorobiphenyl	46.73	95.9	34 - 167	6.565	6.565	0.0000	+/-0.500	
Terphenyl-d14	46.73	98.0	34 - 167	11.083	11.074	0.0090	+/-0.500	

LCS / LCS DUPLICATE RECOVERY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	CTOJM29_003
Client:	Tetra Tech NUS, Inc. (T010)	Project:	Saufley Field Site 4 CTOJM29
Matrix:	Water		
Batch:	1E27021	Laboratory ID:	1E27021-BS1
Preparation:	EXT_3510	Initial/Final:	1000 mL / 1 mL

ANALYTE	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC.	QC LIMITS REC.
Acenaphthene	1.000	1.078	108	41 - 132
Acenaphthylene	1.000	0.9065	90.6	43 - 140
Anthracene	1.000	0.8542	85.4	50 - 139
Benzo(a)anthracene	1.000	0.8324	83.2	58 - 141
Benzo(a)pyrene	1.000	0.8737	87.4	31 - 142
Benzo(b)fluoranthene	1.000	0.8697	87.0	42 - 156
Benzo(g,h,i)perylene	1.000	1.159	116	12 - 171
Benzo(k)fluoranthene	1.000	1.061	106	49 - 165
Chrysene	1.000	0.8802	88.0	51 - 155
Dibenz(a,h)anthracene	1.000	0.9087	90.9	28 - 153
Fluoranthene	1.000	0.9673	96.7	47 - 158
Fluorene	1.000	1.045	104	40 - 140
Indeno(1,2,3-cd)pyrene	1.000	1.074	107	20 - 167
1-Methylnaphthalene	1.000	1.042	104	35 - 131
2-Methylnaphthalene	1.000	1.089	109	36 - 121
Naphthalene	1.000	1.064	106	39 - 125
Phenanthrene	1.000	1.022	102	46 - 144
Pyrene	1.000	0.9764	97.6	39 - 158

ANALYTE	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Acenaphthene	1.000	1.110	111	2.92	30	41 - 132
Acenaphthylene	1.000	0.9784	97.8	7.63	30	43 - 140
Anthracene	1.000	0.8834	88.3	3.37	30	50 - 139
Benzo(a)anthracene	1.000	0.7167	71.7	14.9	30	58 - 141
Benzo(a)pyrene	1.000	0.8731	87.3	0.0721	30	31 - 142
Benzo(b)fluoranthene	1.000	0.9364	93.6	7.39	30	42 - 156
Benzo(g,h,i)perylene	1.000	1.183	118	2.11	30	12 - 171
Benzo(k)fluoranthene	1.000	1.172	117	9.95	30	49 - 165
Chrysene	1.000	0.7709	77.1	13.2	30	51 - 155

LCS / LCS DUPLICATE RECOVERY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	CTOJM29_003
Client:	Tetra Tech NUS, Inc. (T010)	Project:	Saufley Field Site 4 CTOJM29
Matrix:	Water		
Batch:	1E27021	Laboratory ID:	1E27021-BSD1
Preparation:	EXT_3510	Initial/Final:	1000 mL / 1 mL

ANALYTE	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Dibenz(a,h)anthracene	1.000	1.026	103	12.1	30	28 - 153
Fluoranthene	1.000	0.9613	96.1	0.618	30	47 - 158
Fluorene	1.000	1.105	111	5.62	30	40 - 140
Indeno(1,2,3-cd)pyrene	1.000	1.167	117	8.31	30	20 - 167
1-Methylnaphthalene	1.000	1.138	114	8.78	30	35 - 131
2-Methylnaphthalene	1.000	1.148	115	5.27	30	36 - 121
Naphthalene	1.000	1.145	114	7.27	30	39 - 125
Phenanthrene	1.000	1.065	106	4.09	30	46 - 144
Pyrene	1.000	0.9421	94.2	3.58	30	39 - 158

PREPARATION BATCH SUMMARY

SW8270C

Laboratory: Empirical Laboratories, LLC

SDG: CTOJM29_003

Client: Tetra Tech NUS, Inc. (T010)

Project: Saufley Field Site 4 CTOJM29

Batch: 1E27021 Batch Matrix: Water

Preparation: EXT_3510

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
OLFS4-MW29D	1105224-01	05/31/11 11:55	1,070.00	1.00
Blank	1E27021-BLK1	05/31/11 11:55	1,000.00	1.00
LCS	1E27021-BS1	05/31/11 11:55	1,000.00	1.00
LCS Dup	1E27021-BSD1	05/31/11 11:55	1,000.00	1.00

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	CTOJM29_003
Client:	Tetra Tech NUS, Inc. (T010)	Project:	Saufley Field Site 4 CTOJM29
Lab File ID:	SEQ-TUN2.D	Injection Date:	04/19/11
Instrument ID:	MS-BNA4	Injection Time:	14:38
Sequence:	1D11106	Lab Sample ID:	1D11106-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30 - 60% of 198	55.9	PASS
68	Less than 2% of 69	1.42	PASS
69	Less than 200% of 198	55.6	PASS
70	Less than 2% of 69	0.506	PASS
127	40 - 60% of 198	58.8	PASS
197	Less than 1% of 198	0	PASS
198	Base peak, 100% relative abundance	100	PASS
199	5 - 9% of 198	6.61	PASS
275	10 - 30% of 198	25.1	PASS
365	1 - 200% of 198	3.39	PASS
441	0.001 - 100% of 443	81.4	PASS
442	40 - 200% of 198	116	PASS
443	17 - 23% of 442	20	PASS

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	CTOJM29_003
Client:	Tetra Tech NUS, Inc. (T010)	Project:	Saufley Field Site 4 CTOJM29
Lab File ID:	SEQ-TUN1.D	Injection Date:	06/01/11
Instrument ID:	MS-BNA4	Injection Time:	12:50
Sequence:	1F15312	Lab Sample ID:	1F15312-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30 - 60% of 198	52.7	PASS
68	Less than 2% of 69	1.4	PASS
69	Less than 200% of 198	51.1	PASS
70	Less than 2% of 69	0.479	PASS
127	40 - 60% of 198	57.2	PASS
197	Less than 1% of 198	0	PASS
198	Base peak, 100% relative abundance	100	PASS
199	5 - 9% of 198	6.47	PASS
275	10 - 30% of 198	24.5	PASS
365	1 - 200% of 198	3.14	PASS
441	0.001 - 100% of 443	79.2	PASS
442	40 - 200% of 198	93.8	PASS
443	17 - 23% of 442	20.2	PASS

ANALYSIS SEQUENCE SUMMARY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	CTOJM29_003
Client:	Tetra Tech NUS, Inc. (T010)	Project:	Saufley Field Site 4 CTOJM29
Sequence:	1D11106	Instrument:	MS-BNA4
Calibration:	1112002		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	1D11106-TUN1	SEQ-TUN2.D	04/19/11 14:38
Cal Standard	1D11106-CAL1	SEQ-CAL1.D	04/19/11 14:56
Cal Standard	1D11106-CAL2	SEQ-CAL2.D	04/19/11 15:22
Cal Standard	1D11106-CAL3	SEQ-CAL3.D	04/19/11 15:49
Cal Standard	1D11106-CAL4	SEQ-CAL4.D	04/19/11 16:15
Cal Standard	1D11106-CAL5	SEQ-CAL5.D	04/19/11 16:41
Cal Standard	1D11106-CAL6	SEQ-CAL6.D	04/19/11 17:07
Cal Standard	1D11106-CAL7	SEQ-CAL7.D	04/19/11 17:33
Cal Standard	1D11106-CAL8	SEQ-CAL8.D	04/19/11 18:00
Cal Standard	1D11106-CAL9	SEQ-CAL9.D	04/19/11 18:26
Initial Cal Check	1D11106-ICV1	SEQ-ICV1.D	04/19/11 18:52

ANALYSIS SEQUENCE SUMMARY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	CTOJM29_003
Client:	Tetra Tech NUS, Inc. (T010)	Project:	Saufley Field Site 4 CTOJM29
Sequence:	1F15312	Instrument:	MS-BNA4
Calibration:	1112002		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	1F15312-TUN1	SEQ-TUN1.D	06/01/11 12:50
Calibration Check	1F15312-CCV1	SEQ-CCV1.D	06/01/11 13:10
Blank	1E27021-BLK1	E27021B1.D	06/01/11 14:02
LCS	1E27021-BS1	E27021L1.D	06/01/11 14:28
LCS Dup	1E27021-BSD1	E27021L2.D	06/01/11 14:54
OLFS4-MW29D	1105224-01	0522401.D	06/01/11 15:20

INTERNAL STANDARD AREA AND RT SUMMARY
SW8270C

Laboratory: Empirical Laboratories, LLC
SDG: CTOJM29_003
Client: Tetra Tech NUS, Inc. (T010)
Project: Saufley Field Site 4 CTOJM29
Sequence: 1F15312
Instrument: MS-BNA4
Calibration: 1112002

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (1F15312-CCV1)			Lab File ID: SEQ-CCV1.D			Analyzed: 06/01/11 13:10			
Phenanthrene-d10	127264	9.113	138732	9.706	92	50 - 200	-0.5930	+/-0.50	
Perylene-d12	68678	14.012	75266	14.837	91	50 - 200	-0.8250	+/-0.50	
Blank (1E27021-BLK1)			Lab File ID: E27021B1.D			Analyzed: 06/01/11 14:02			
Phenanthrene-d10	77928	9.113	127264	9.113	61	50 - 200	0.0000	+/-0.50	
Perylene-d12	41279	14.012	68678	14.012	60	50 - 200	0.0000	+/-0.50	
LCS (1E27021-BS1)			Lab File ID: E27021L1.D			Analyzed: 06/01/11 14:28			
Phenanthrene-d10	99867	9.113	127264	9.113	78	50 - 200	0.0000	+/-0.50	
Perylene-d12	49842	14.012	68678	14.012	73	50 - 200	0.0000	+/-0.50	
LCS Dup (1E27021-BSD1)			Lab File ID: E27021L2.D			Analyzed: 06/01/11 14:54			
Phenanthrene-d10	92444	9.112	127264	9.113	73	50 - 200	-0.0010	+/-0.50	
Perylene-d12	35504	14.012	68678	14.012	52	50 - 200	0.0000	+/-0.50	
OLFS4-MW29D (1105224-01)			Lab File ID: 0522401.D			Analyzed: 06/01/11 15:20			
Phenanthrene-d10	90765	9.113	127264	9.113	71	50 - 200	0.0000	+/-0.50	
Perylene-d12	48892	14.012	68678	14.012	71	50 - 200	0.0000	+/-0.50	

INITIAL CALIBRATION DATA

SW8270C

Laboratory: Empirical Laboratories, LLC
SDG: CTOJM29_003
Client: Tetra Tech NUS, Inc. (T010)
Project: Saufley Field Site 4 CTOJM29
Calibration: 1112002
Instrument: MS-BNA4
Matrix: Water
Calibration Dates: 4/19/11 14:56 4/19/11 18:26

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF
Acenaphthene	0.1	0.9073685	0.2	0.8472282	0.5	0.8071579	1	0.8498111	5	0.7983861	10	0.8336235
Acenaphthylene	0.1	1.270537	0.2	1.269796	0.5	1.203545	1	1.329895	5	1.244934	10	1.26954
Anthracene	0.1	1.316798	0.2	1.168288	0.5	1.110749	1	1.196516	5	1.142564	10	1.145289
Benzo(a)anthracene	0.1	0.7733584	0.2	0.7987414	0.5	0.7936948	1	0.7615763	5	0.7571927	10	0.7128554
Benzo(a)pyrene	0.1	1.011587	0.2	1.030946	0.5	1.017569	1	1.060213	5	1.0839	10	1.070646
Benzo(b)fluoranthene	0.1	1.069402	0.2	1.059034	0.5	1.373963	1	1.372638	5	1.430587	10	1.441237
Benzo(g,h,i)perylene	0.1	0.9408315	0.2	0.8405568	0.5	0.7976318	1	0.8148168	5	0.864219	10	0.8665815
Benzo(k)fluoranthene	0.1	1.267422	0.2	1.346846	0.5	1.26362	1	1.415845	5	1.392767	10	1.383433
Chrysene	0.1	0.7544808	0.2	0.8034506	0.5	0.8045734	1	0.7738445	5	0.7358241	10	0.6923619
Dibenz(a,h)anthracene	0.1	0.9496165	0.2	0.7466783	0.5	0.7402214	1	0.6805862	5	0.796443	10	0.7934616
Fluoranthene	0.1	1.157548	0.2	1.062454	0.5	1.095169	1	1.124283	5	1.105329	10	1.104339
Fluorene	0.1	0.8064115	0.2	0.7540568	0.5	0.8063694	1	0.856421	5	0.815093	10	0.8250326
2-Fluorobiphenyl	0.1	0.9111025	0.2	0.8179966	0.5	0.8596231	1	0.9163567	5	0.8693337	10	0.9032449
Indeno(1,2,3-cd)pyrene	0.1	1.093383	0.2	0.9068841	0.5	0.9403396	1	0.8500651	5	0.988829	10	1.00136
1-Methylnaphthalene	0.1	0.9055015	0.2	0.8433563	0.5	0.8234392	1	0.8924473	5	0.8141195	10	0.8432931
2-Methylnaphthalene	0.1	0.8922941	0.2	0.8542047	0.5	0.8425825	1	0.9153548	5	0.8238603	10	0.8462289
Naphthalene	0.1	1.349228	0.2	1.335829	0.5	1.292384	1	1.372084	5	1.289524	10	1.314208
Phenanthrene	0.1	1.168128	0.2	1.160509	0.5	1.123307	1	1.207249	5	1.149711	10	1.147939
Pyrene	0.1	1.125118	0.2	1.087779	0.5	1.101083	1	1.132428	5	1.126722	10	1.105628
Terphenyl-d14	0.1	0.6677684	0.2	0.7013144	0.5	0.7095286	1	0.6890768	5	0.6935843	10	0.6867195
2,4,6-Tribromophenol	0.2	~~9.577087E-02~~	0.4	~~0.1047175~~	1	0.1132755	2	0.1399245	10	0.1621875	20	0.1721881

INITIAL CALIBRATION DATA (Continued)

SW8270C

Laboratory: Empirical Laboratories, LLC
SDG: CTOJM29_003
Client: Tetra Tech NUS, Inc. (T010)
Project: Saufley Field Site 4 CTOJM29
Calibration: 1112002
Instrument: MS-BNA4
Matrix: Water
Calibration Dates: 4/19/11 14:56 4/19/11 18:26

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF
Acenaphthene	20	0.7940618	40	0.7352884	50	0.7827219						
Acenaphthylene	20	1.141889	40	1.048448	50	1.091477						
Anthracene	20	1.117011	40	1.128844	50	1.128459						
Benzo(a)anthracene	20	0.7657045	40	0.891703	50	0.7603992						
Benzo(a)pyrene	20	1.100458	40	1.064936	50	1.103355						
Benzo(b)fluoranthene	20	1.537608	40	1.633929	50	1.471212						
Benzo(g,h,i)perylene	20	0.8566147	40	0.7527658	50	0.8332651						
Benzo(k)fluoranthene	20	1.354037	40	1.250454	50	1.26906						
Chrysene	20	0.6823315	40	0.8250514	50	0.6874646						
Dibenz(a,h)anthracene	20	0.8197604	40	0.7276827	50	0.8426935						
Fluoranthene	20	1.100363	40	1.116813	50	1.129477						
Fluorene	20	0.8177829	40	0.7918825	50	0.7874121						
2-Fluorobiphenyl	20	0.8244022	40	0.7671239	50	0.8084073						
Indeno(1,2,3-cd)pyrene	20	1.000876	40	0.9043518	50	1.038719						
1-Methylnaphthalene	20	0.7692007	40	0.7167983	50	0.7352023						
2-Methylnaphthalene	20	0.7931505	40	0.7308007	50	0.7831935						
Naphthalene	20	1.210287	40	1.118559	50	1.125103						
Phenanthrene	20	1.129587	40	1.117307	50	1.135743						
Pyrene	20	1.104729	40	1.163501	50	1.105306						
Terphenyl-d14	20	0.7217151	40	0.7460979	50	0.6818047						
2,4,6-Tribromophenol	40	0.1625257	80	0.1663055	100	0.1695583						

INITIAL CALIBRATION DATA (Continued)

SW8270C

Laboratory: Empirical Laboratories, LLC
SDG: CTOJM29_003
Client: Tetra Tech NUS, Inc. (T010)
Project: Saufley Field Site 4 CTOJM29
Calibration: 1112002
Instrument: MS-BNA4
Matrix: Water
Calibration Dates: 4/19/11 14:56 4/19/11 18:26

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
Acenaphthene	0.8172941	6.002518	7.944333	0.1047021			CCC (30)	
Acenaphthylene	1.207785	7.808994	7.734889	0.1182522			15	
Anthracene	1.161613	5.505861	9.805778	0.100823			15	
Benzo(a)anthracene	0.7794695	6.254565	12.93533	6.502969E-02			15	
Benzo(a)pyrene	1.060401	3.200109	14.769	4.143849E-02			CCC (30)	
Benzo(b)fluoranthene	1.376623	14.1471	14.326	7.995191E-02			15	
Benzo(g,h,i)perylene	0.8408092	6.210629	16.70156	7.861425E-02			15	
Benzo(k)fluoranthene	1.327054	4.862521	14.36322	0.079314			15	
Chrysene	0.7510425	7.301878	12.98111	7.297783E-02			15	
Dibenz(a,h)anthracene	0.7885715	9.963425	16.36178	4.777576E-02			15	
Fluoranthene	1.110642	2.363902	11.19311	0.0831072			CCC (30)	
Fluorene	0.806718	3.496377	8.576445	9.781169E-02			15	
2-Fluorobiphenyl	0.8530656	6.095572	7.112	8.858856E-02			15	
Indeno(1,2,3-cd)pyrene	0.9694231	7.8043	16.34633	6.789173E-02			15	
1-Methylnaphthalene	0.8159287	7.985947	6.773	9.488666E-02			15	
2-Methylnaphthalene	0.8312967	6.802917	6.660333	0.1047284			15	
Naphthalene	1.267467	7.448697	5.839111	9.533926E-02			15	
Phenanthrene	1.148831	2.40557	9.740667	0.1040327			15	
Pyrene	1.116922	2.023077	11.46378	7.377866E-02			15	
Terphenyl-d14	0.6997344	3.349731	11.68256	6.766915E-02			15	
2,4,6-Tribromophenol	0.1551379	13.70301	8.878286	0.1225255			15	

INITIAL CALIBRATION CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	CTOJM29_003
Client:	Tetra Tech NUS, Inc. (T010)	Project:	Saufley Field Site 4 CTOJM29
Instrument ID:	MS-BNA4	Calibration:	1112002
Lab File ID:	SEQ-ICV1.D	Calibration Date:	04/19/11 00:00
Sequence:	1D11106	Injection Date:	04/19/11
Lab Sample ID:	1D11106-ICV1	Injection Time:	18:52

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)
Acenaphthene	A	5.000	5.145	0.8172941	0.8409406		2.9	20
Acenaphthylene	A	5.000	5.694	1.207785	1.375521		13.9	20
Anthracene	A	5.000	5.601	1.161613	1.301226		12.0	20
Benzo(a)anthracene	A	5.000	4.940	0.7794695	0.7701215		-1.2	20
Benzo(a)pyrene	A	5.000	5.489	1.060401	1.16413		9.8	20
Benzo(b)fluoranthene	A	5.000	5.261	1.376623	1.448551		5.2	20
Benzo(g,h,i)perylene	A	5.000	5.469	0.8408092	0.9196673		9.4	20
Benzo(k)fluoranthene	A	5.000	5.499	1.327054	1.459622		10.0	20
Chrysene	A	5.000	5.270	0.7510425	0.7915565		5.4	20
Dibenz(a,h)anthracene	A	5.000	5.291	0.7885715	0.8344072		5.8	20
Fluoranthene	A	5.000	5.358	1.110642	1.190233		7.2	20
Fluorene	A	5.000	5.368	0.806718	0.866153		7.4	20
Indeno(1,2,3-cd)pyrene	A	5.000	5.582	0.9694231	1.082169		11.6	20
1-Methylnaphthalene	A	5.000	5.107	0.8159287	0.8334349		2.1	20
2-Methylnaphthalene	A	5.000	5.373	0.8312967	0.8933577		7.5	20
Naphthalene	A	5.000	5.542	1.267467	1.404988		10.9	20
Phenanthrene	A	5.000	5.465	1.148831	1.255674		9.3	20
Pyrene	A	5.000	5.443	1.116922	1.21582		8.9	20
2-Fluorobiphenyl	A	5.000	5.807	0.8530656	0.9907614		16.1	20
Terphenyl-d14	A	5.000	5.562	0.6997344	0.7783563		11.2	20

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	CTOJM29_003
Client:	Tetra Tech NUS, Inc. (T010)	Project:	Saufley Field Site 4 CTOJM29
Instrument ID:	MS-BNA4	Calibration:	1112002
Lab File ID:	SEQ-CCV1.D	Calibration Date:	04/19/11 00:00
Sequence:	1F15312	Injection Date:	06/01/11
Lab Sample ID:	1F15312-CCV1	Injection Time:	13:10

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Acenaphthene	A	5.000	5.189	0.8172941	0.8481503		3.8	20
Acenaphthylene	A	5.000	5.302	1.207785	1.280772		6.0	20
Anthracene	A	5.000	4.625	1.161613	1.074582		-7.5	20
Benzo(a)anthracene	A	5.000	4.075	0.7794695	0.6352951		-18.5	20
Benzo(a)pyrene	A	5.000	4.767	1.060401	1.01099		-4.7	20
Benzo(b)fluoranthene	A	5.000	4.566	1.376623	1.257104		-8.7	20
Benzo(g,h,i)perylene	A	5.000	5.390	0.8408092	0.9064271		7.8	20
Benzo(k)fluoranthene	A	5.000	4.406	1.327054	1.169405		-11.9	20
Chrysene	A	5.000	4.386	0.7510425	0.658876		-12.3	20
Dibenz(a,h)anthracene	A	5.000	5.356	0.7885715	0.8447509		7.1	20
Fluoranthene	A	5.000	4.596	1.110642	1.021016		-8.1	20
Fluorene	A	5.000	5.101	0.806718	0.8230686		2.0	20
Indeno(1,2,3-cd)pyrene	A	5.000	5.382	0.9694231	1.043414		7.6	20
1-Methylnaphthalene	A	5.000	5.185	0.8159287	0.8460743		3.7	20
2-Methylnaphthalene	A	5.000	5.211	0.8312967	0.866344		4.2	20
Naphthalene	A	5.000	5.272	1.267467	1.336546		5.5	20
Phenanthrene	A	5.000	4.766	1.148831	1.095054		-4.7	20
Pyrene	A	5.000	4.726	1.116922	1.055841		-5.5	20
2-Fluorobiphenyl	A	5.000	5.046	0.8530656	0.8608452		0.9	20
Terphenyl-d14	A	5.000	4.150	0.6997344	0.5808571		-17.0	20

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

ANALYSIS DATA SHEET

Blank

Laboratory: Empirical Laboratories, LLC SDG: CTOJM29_003

Client: Tetra Tech NUS, Inc. (T010) Project: Saufley Field Site 4 CTOJM29

Matrix: Laboratory ID: 1E27021-BLK1 File ID: E27021B1.D

Sampled: Prepared: Analyzed: 06/01/11 14:02

Solids: Preparation: EXT_3510 Dilution:

Batch: 1E27021 Sequence: 1F15312 Calibration: 1112002 Instrument: MS-BNA4

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene		0.0500	0.100	0.200	U
208-96-8	Acenaphthylene		0.0500	0.100	0.200	U
120-12-7	Anthracene		0.0500	0.100	0.200	U
56-55-3	Benzo(a)anthracene		0.0500	0.100	0.200	U
50-32-8	Benzo(a)pyrene		0.0500	0.100	0.200	U
205-99-2	Benzo(b)fluoranthene		0.0500	0.100	0.200	U
191-24-2	Benzo(g,h,i)perylene		0.0500	0.100	0.200	U
207-08-9	Benzo(k)fluoranthene		0.0500	0.100	0.200	U
218-01-9	Chrysene		0.0500	0.100	0.200	U
53-70-3	Dibenz(a,h)anthracene		0.0500	0.100	0.200	U
206-44-0	Fluoranthene		0.0500	0.100	0.200	U
86-73-7	Fluorene		0.0500	0.100	0.200	U
193-39-5	Indeno(1,2,3-cd)pyrene		0.0500	0.100	0.200	U
90-12-0	1-Methylnaphthalene		0.0500	0.100	0.200	U
91-57-6	2-Methylnaphthalene		0.0500	0.100	0.200	U
91-20-3	Naphthalene		0.0500	0.100	0.200	U
85-01-8	Phenanthrene		0.0500	0.100	0.200	U
129-00-0	Pyrene		0.0500	0.100	0.200	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	50.00	87.87	176	34 - 167	
Terphenyl-d14	50.00	98.56	197	34 - 167	

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC SDG: CTOJM29_003

Client: Tetra Tech NUS, Inc. (T010) Project: Saufley Field Site 4 CTOJM29

Matrix: Laboratory ID: 1E27021-BS1 File ID: E27021L1.D

Sampled: Prepared: Analyzed: 06/01/11 14:28

Solids: Preparation: EXT_3510 Dilution:

Batch: 1E27021 Sequence: 1F15312 Calibration: 1112002 Instrument: MS-BNA4

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene	1.078	0.0500	0.100	0.200	
208-96-8	Acenaphthylene	0.9065	0.0500	0.100	0.200	
120-12-7	Anthracene	0.8542	0.0500	0.100	0.200	
56-55-3	Benzo(a)anthracene	0.8324	0.0500	0.100	0.200	
50-32-8	Benzo(a)pyrene	0.8737	0.0500	0.100	0.200	
205-99-2	Benzo(b)fluoranthene	0.8697	0.0500	0.100	0.200	
191-24-2	Benzo(g,h,i)perylene	1.159	0.0500	0.100	0.200	
207-08-9	Benzo(k)fluoranthene	1.061	0.0500	0.100	0.200	
218-01-9	Chrysene	0.8802	0.0500	0.100	0.200	
53-70-3	Dibenz(a,h)anthracene	0.9087	0.0500	0.100	0.200	
206-44-0	Fluoranthene	0.9673	0.0500	0.100	0.200	
86-73-7	Fluorene	1.045	0.0500	0.100	0.200	
193-39-5	Indeno(1,2,3-cd)pyrene	1.074	0.0500	0.100	0.200	
90-12-0	1-Methylnaphthalene	1.042	0.0500	0.100	0.200	
91-57-6	2-Methylnaphthalene	1.089	0.0500	0.100	0.200	
91-20-3	Naphthalene	1.064	0.0500	0.100	0.200	
85-01-8	Phenanthrene	1.022	0.0500	0.100	0.200	
129-00-0	Pyrene	0.9764	0.0500	0.100	0.200	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	50.00	42.47	84.9	34 - 167	
Terphenyl-d14	50.00	44.34	88.7	34 - 167	

ANALYSIS DATA SHEET

LCS Dup

Laboratory: Empirical Laboratories, LLC SDG: CTOJM29_003

Client: Tetra Tech NUS, Inc. (T010) Project: Saufley Field Site 4 CTOJM29

Matrix: Laboratory ID: 1E27021-BSD1 File ID: E27021L2.D

Sampled: Prepared: Analyzed: 06/01/11 14:54

Solids: Preparation: EXT_3510 Dilution:

Batch: 1E27021 Sequence: 1F15312 Calibration: 1112002 Instrument: MS-BNA4

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene	1.110	0.0500	0.100	0.200	
208-96-8	Acenaphthylene	0.9784	0.0500	0.100	0.200	
120-12-7	Anthracene	0.8834	0.0500	0.100	0.200	
56-55-3	Benzo(a)anthracene	0.7167	0.0500	0.100	0.200	
50-32-8	Benzo(a)pyrene	0.8731	0.0500	0.100	0.200	
205-99-2	Benzo(b)fluoranthene	0.9364	0.0500	0.100	0.200	
191-24-2	Benzo(g,h,i)perylene	1.183	0.0500	0.100	0.200	
207-08-9	Benzo(k)fluoranthene	1.172	0.0500	0.100	0.200	
218-01-9	Chrysene	0.7709	0.0500	0.100	0.200	
53-70-3	Dibenz(a,h)anthracene	1.026	0.0500	0.100	0.200	
206-44-0	Fluoranthene	0.9613	0.0500	0.100	0.200	
86-73-7	Fluorene	1.105	0.0500	0.100	0.200	
193-39-5	Indeno(1,2,3-cd)pyrene	1.167	0.0500	0.100	0.200	
90-12-0	1-Methylnaphthalene	1.138	0.0500	0.100	0.200	
91-57-6	2-Methylnaphthalene	1.148	0.0500	0.100	0.200	
91-20-3	Naphthalene	1.145	0.0500	0.100	0.200	
85-01-8	Phenanthrene	1.065	0.0500	0.100	0.200	
129-00-0	Pyrene	0.9421	0.0500	0.100	0.200	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	50.00	45.59	91.2	34 - 167	
Terphenyl-d14	50.00	43.67	87.3	34 - 167	

HOLDING TIME SUMMARY

SW8270C

Laboratory: Empirical Laboratories, LLC

SDG: CTOJM29_003

Client: Tetra Tech NUS, Inc. (T010)

Project: Saufley Field Site 4 CTOJM29

Sample Name	Date Collected	Date Received	Date Prepared	Days to Prep	Max Days to Prep	Date Analyzed	Days to Analysis	Max Days to Analysis	Q
OLFS4-MW29D	05/25/11 13:25	05/26/11 09:00	05/31/11 11:55	5.94	7.00	06/01/11 15:20	1.14	40.00	

Data for FLPRO Forms

ANALYSIS SEQUENCE SUMMARY

FLPRO

Laboratory:	Empirical Laboratories, LLC	SDG:	CTOJM29_003
Client:	Tetra Tech NUS, Inc. (T010)	Project:	Saufley Field Site 4 CTOJM29
Sequence:	1F15206	Instrument:	GL-GCFID
Calibration:	1152001		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Cal Standard	1F15206-CAL6	006B0301.D	05/27/11 17:49
Cal Standard	1F15206-CAL5	007B0401.D	05/27/11 18:23
Cal Standard	1F15206-CAL4	008B0501.D	05/27/11 18:57
Cal Standard	1F15206-CAL3	009B0601.D	05/27/11 19:31
Cal Standard	1F15206-CAL2	010B0101.D	05/28/11 14:58
Cal Standard	1F15206-CAL1	011B0201.D	05/28/11 15:32
Initial Cal Check	1F15206-ICV1	012B0301.D	05/28/11 16:06

ANALYSIS SEQUENCE SUMMARY

FLPRO

Laboratory: Empirical Laboratories, LLC
SDG: CTOJM29_003
Client: Tetra Tech NUS, Inc. (T010)
Project: Saufley Field Site 4 CTOJM29
Sequence: 1F15314
Instrument: GL-GCFID
Calibration: 1152001

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	1F15314-CCV1	006B0601.D	05/31/11 18:01
Blank	1E28004-BLK1	011B1101.D	05/31/11 20:53
LCS	1E28004-BS1	012B1201.D	05/31/11 21:27
LCS Dup	1E28004-BSD1	013B1301.D	05/31/11 22:01
OLFS4-MW29D	1105224-01	017B1701.D	06/01/11 00:19
Calibration Check	1F15314-CCV2	020B2001.D	06/01/11 02:03

ANALYSIS DATA SHEET

OLFS4-MW29D

Laboratory:	Empirical Laboratories, LLC			SDG:	CTOJM29_003
Client:	Tetra Tech NUS, Inc. (T010)			Project:	Saufley Field Site 4 CTOJM29
Matrix:	Ground Water	Laboratory ID:	1105224-01	File ID:	017B1701.D
Sampled:	05/25/11 13:25	Prepared:	05/31/11 11:53	Analyzed:	06/01/11 00:19
Solids:		Preparation:	EXT_3510	Dilution:	1
Batch:	1E28004	Sequence:	1F15314	Calibration:	1152001
Instrument:	GL-GCFID				

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
	Petroleum Range Organics	250	157	315	630	I

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	38.98	33.62	86.3	50 - 150	
o-Terphenyl	34.84	31.15	89.4	82 - 142	

LCS / LCS DUPLICATE RECOVERY

FLPRO

Laboratory:	Empirical Laboratories, LLC	SDG:	CTOJM29_003
Client:	Tetra Tech NUS, Inc. (T010)	Project:	Saufley Field Site 4 CTOJM29
Matrix:	Water		
Batch:	1E28004	Laboratory ID:	1E28004-BS1
Preparation:	EXT_3510	Initial/Final:	1000 mL / 2 mL

ANALYTE	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC.	QC LIMITS REC.
Petroleum Range Organics	3200	3596	112	55 - 118

ANALYTE	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Petroleum Range Organics	3200	3353	105	6.99	30	55 - 118

PREPARATION BATCH SUMMARY

FLPRO

Laboratory: Empirical Laboratories, LLC

SDG: CTOJM29_003

Client: Tetra Tech NUS, Inc. (T010)

Project: Saufley Field Site 4 CTOJM29

Batch: 1E28004 Batch Matrix: Water

Preparation: EXT_3510

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
OLFS4-MW29D	1105224-01	05/31/11 11:53	1,080.00	2.00
Blank	1E28004-BLK1	05/31/11 11:53	1,000.00	2.00
LCS	1E28004-BS1	05/31/11 11:53	1,000.00	2.00
LCS Dup	1E28004-BSD1	05/31/11 11:53	1,000.00	2.00

INITIAL CALIBRATION STANDARDS

FLPRO

Laboratory:	Empirical Laboratories, LLC	SDG:	CTOJM29_003
Client:	Tetra Tech NUS, Inc. (T010)	Project:	Saufley Field Site 4 CTOJM29
Sequence:	1F15206	Instrument:	GL-GCFID
Calibration:	1152001		

Standard ID	Description	Lab Sample ID	Lab File ID	Analysis Date/Time
11B0728	FLPRO CAL6 85ppm	1F15206-CAL6	006B0301.D	05/27/11 17:49
11B0727	FLPRO CAL5 850ppm	1F15206-CAL5	007B0401.D	05/27/11 18:23
11B0726	FLPRO CAL4 2550ppm	1F15206-CAL4	008B0501.D	05/27/11 18:57
11B0725	FLPRO CAL3 4250ppm	1F15206-CAL3	009B0601.D	05/27/11 19:31
11B0724	FLPRO CAL2 5950ppm	1F15206-CAL2	010B0101.D	05/28/11 14:58
11B0723	FLPRO CAL1 8500ppm	1F15206-CAL1	011B0201.D	05/28/11 15:32

INITIAL CALIBRATION DATA

FLPRO

Laboratory:	Empirical Laboratories, LLC	SDG:	CTOJM29_003
Client:	Tetra Tech NUS, Inc. (T010)	Project:	Saufley Field Site 4 CTOJM29
Calibration:	1152001	Instrument:	GL-GCFID
Matrix:	Water	Calibration Dates:	5/27/11 17:49 5/28/11 15:32

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	mg/L	RF	mg/L	RF	mg/L	RF	mg/L	RF	mg/L	RF	mg/L	RF
Petroleum Range Organics	85	943.7177	850	979.1294	2550	954.8176	4250	882.2725	5950	810.9507	8500	796.8534
2-Fluorobiphenyl	5	1641.4	10	1948.4	15	2146.067	25	2290.48	35	2349.057	50	2299.46
o-Terphenyl	5	2402.4	10	2471.1	15	2469.133	25	2423.84	35	2228.2	50	2105.04

INITIAL CALIBRATION DATA (Continued)

FLPRO

Laboratory: Empirical Laboratories, LLC
SDG: CTOJM29_003
Client: Tetra Tech NUS, Inc. (T010)
Project: Saufley Field Site 4 CTOJM29
Calibration: 1152001
Instrument: GL-GCFID
Matrix: Water
Calibration Dates: 5/27/11 17:49 5/28/11 15:32

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
Petroleum Range Organics	894.6236	8.642101	3.923	2.529428E-03			20	
2-Fluorobiphenyl	2112.477	12.92211	8.8845	0.2775693			20	
o-Terphenyl	2349.952	6.365971	11.01467	0.246106			20	

INITIAL CALIBRATION CHECK

FLPRO

Laboratory:	Empirical Laboratories, LLC	SDG:	CTOJM29_003
Client:	Tetra Tech NUS, Inc. (T010)	Project:	Saufley Field Site 4 CTOJM29
Instrument ID:	GL-GCFID	Calibration:	1152001
Lab File ID:	012B0301.D	Calibration Date:	05/27/11 00:00
Sequence:	1F15206	Injection Date:	05/28/11
Lab Sample ID:	1F15206-ICV1	Injection Time:	16:06

		CONC. (mg/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)
Petroleum Range Organics	A	4000	4585	894.6236	1025.481		14.6	25

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

FLPRO

Laboratory:	Empirical Laboratories, LLC	SDG:	CTOJM29_003
Client:	Tetra Tech NUS, Inc. (T010)	Project:	Saufley Field Site 4 CTOJM29
Instrument ID:	GL-GCFID	Calibration:	1152001
Lab File ID:	006B0601.D	Calibration Date:	05/27/11 00:00
Sequence:	1F15314	Injection Date:	05/31/11
Lab Sample ID:	1F15314-CCV1	Injection Time:	18:01

		CONC. (mg/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Petroleum Range Organics	A	4250	4251	894.6236	894.8071		0.02	25
2-Fluorobiphenyl	A	25.00	21.54	2112.477	1819.92		-13.8	25
o-Terphenyl	A	25.00	24.82	2349.952	2332.64		-0.7	25

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

FLPRO

Laboratory:	Empirical Laboratories, LLC	SDG:	CTOJM29_003
Client:	Tetra Tech NUS, Inc. (T010)	Project:	Saufley Field Site 4 CTOJM29
Instrument ID:	GL-GCFID	Calibration:	1152001
Lab File ID:	020B2001.D	Calibration Date:	05/27/11 00:00
Sequence:	1F15314	Injection Date:	06/01/11
Lab Sample ID:	1F15314-CCV2	Injection Time:	02:03

		CONC. (mg/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Petroleum Range Organics	A	4250	4196	894.6236	883.2393		-1.3	25
2-Fluorobiphenyl	A	25.00	21.80	2112.477	1842.12		-12.8	25
o-Terphenyl	A	25.00	23.91	2349.952	2247.68		-4.4	25

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

SURROGATE STANDARD RECOVERY AND RT SUMMARY

FLPRO

Laboratory: Empirical Laboratories, LLC
SDG: CTOJM29_003
Client: Tetra Tech NUS, Inc. (T010)
Project: Saufley Field Site 4 CTOJM29
Sequence: 1F15314
Instrument: GL-GCFID
Calibration: 1152001

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Calibration Check (1F15314-CCV1) mg/L				Lab File ID: 006B0601.D		Analyzed: 05/31/11 18:01		
2-Fluorobiphenyl	25.00	86.2	75 - 125	8.87	8.87	0.0000	+/-0.050	
o-Terphenyl	25.00	99.3	75 - 125	11.046	11.046	0.0000	+/-0.050	
Blank (1E28004-BLK1) ug/L				Lab File ID: 011B1101.D		Analyzed: 05/31/11 20:53		
2-Fluorobiphenyl	42.10	90.4	50 - 150	8.876	8.87	0.0060	+/-0.050	
o-Terphenyl	37.63	85.7	82 - 142	11.026	11.046	-0.0200	+/-0.050	
LCS (1E28004-BS1) ug/L				Lab File ID: 012B1201.D		Analyzed: 05/31/11 21:27		
2-Fluorobiphenyl	42.10	89.4	50 - 150	8.866	8.87	-0.0040	+/-0.050	
o-Terphenyl	37.63	110	82 - 142	11.01	11.046	-0.0360	+/-0.050	
LCS Dup (1E28004-BSD1) ug/L				Lab File ID: 013B1301.D		Analyzed: 05/31/11 22:01		
2-Fluorobiphenyl	42.10	81.5	50 - 150	8.87	8.87	0.0000	+/-0.050	
o-Terphenyl	37.63	96.3	82 - 142	11.006	11.046	-0.0400	+/-0.050	
OLFS4-MW29D (1105224-01) ug/L				Lab File ID: 017B1701.D		Analyzed: 06/01/11 00:19		
2-Fluorobiphenyl	38.98	86.3	50 - 150	8.873	8.87	0.0030	+/-0.050	
o-Terphenyl	34.84	89.4	82 - 142	11.013	11.046	-0.0330	+/-0.050	
Calibration Check (1F15314-CCV2) mg/L				Lab File ID: 020B2001.D		Analyzed: 06/01/11 02:03		
2-Fluorobiphenyl	25.00	87.2	75 - 125	8.86	8.87	-0.0100	+/-0.050	
o-Terphenyl	25.00	95.6	75 - 125	10.99	11.046	-0.0560	+/-0.050	*

HOLDING TIME SUMMARY

FLPRO

Laboratory: Empirical Laboratories, LLC

SDG: CTOJM29_003

Client: Tetra Tech NUS, Inc. (T010)

Project: Saufley Field Site 4 CTOJM29

Sample Name	Date Collected	Date Received	Date Prepared	Days to Prep	Max Days to Prep	Date Analyzed	Days to Analysis	Max Days to Analysis	Q
OLFS4-MW29D	05/25/11 13:25	05/26/11 09:00	05/31/11 11:53	5.94	7.00	06/01/11 00:19	0.52	40.00	

ANALYSIS DATA SHEET

Blank

Laboratory: Empirical Laboratories, LLC SDG: CTOJM29_003

Client: Tetra Tech NUS, Inc. (T010) Project: Saufley Field Site 4 CTOJM29

Matrix: Laboratory ID: 1E28004-BLK1 File ID: 011B1101.D

Sampled: Prepared: Analyzed: 05/31/11 20:53

Solids: Preparation: EXT_3510 Dilution:

Batch: 1E28004 Sequence: 1F15314 Calibration: 1152001 Instrument: GL-GCFID

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
	Petroleum Range Organics		170	340	680	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	42.10	38.04	90.4	50 - 150	
o-Terphenyl	37.63	32.24	85.7	82 - 142	

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC SDG: CTOJM29_003

Client: Tetra Tech NUS, Inc. (T010) Project: Saufley Field Site 4 CTOJM29

Matrix: Laboratory ID: 1E28004-BS1 File ID: 012B1201.D

Sampled: Prepared: Analyzed: 05/31/11 21:27

Solids: Preparation: EXT_3510 Dilution:

Batch: 1E28004 Sequence: 1F15314 Calibration: 1152001 Instrument: GL-GCFID

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
	Petroleum Range Organics	3596	170	340	680	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	42.10	37.62	89.4	50 - 150	
o-Terphenyl	37.63	41.41	110	82 - 142	

ANALYSIS DATA SHEET

LCS Dup

Laboratory: Empirical Laboratories, LLC SDG: CTOJM29_003

Client: Tetra Tech NUS, Inc. (T010) Project: Saufley Field Site 4 CTOJM29

Matrix: Laboratory ID: 1E28004-BSD1 File ID: 013B1301.D

Sampled: Prepared: Analyzed: 05/31/11 22:01

Solids: Preparation: EXT_3510 Dilution:

Batch: 1E28004 Sequence: 1F15314 Calibration: 1152001 Instrument: GL-GCFID

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
	Petroleum Range Organics	3353	170	340	680	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	42.10	34.33	81.5	50 - 150	
o-Terphenyl	37.63	36.24	96.3	82 - 142	

METHOD DETECTION AND REPORTING LIMITS

Laboratory: Empirical Laboratories, LLC **SDG:** CTOJM29_003

Client: Tetra Tech NUS, Inc. (T010) **Project:** Saufley Field Site 4 CTOJM29

Matrix: Water **Instrument:** GL-GCFID

Analyte	MDL	MRL	Units	Method
Petroleum Range Organics	170	680	ug/L	FLPRO