N00129.AR.001298
NSB NEW LONDON
5090.3a

Groundwater Monitoring Report

for

Arrowwood Housing Sites
Naval Submarine Base New London
Groton, Connecticut

Naval Facilities Engineering Command
Mid-Atlantic

Contract Number N62467-04-D-0055
Contract Task Order 426

July 2009

W5208533F

GROUNDWATER MONITORING REPORT

FOR

ARROWWOOD HOUSING SITES
NAVAL SUBMARINE BASE NEW LONDON
GROTON, CONNECTICUT

COMPREHENSIVE LONG-TERM
ENVIRONMENTAL ACTION - NAVY (CLEAN) CONTRACT

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Contract Number N62467-04-D-0055
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1.0 INTRODUCTION

This Groundwater Monitoring Report was prepared under the Comprehensive Long-Term Environmental Action Navy (CLEAN) Contract No. N62467-04-D-0055, Contract Task Order (CTO) 426. The Statement of Work (SOW) for CTO 426 directed Tetra Tech to develop a work plan to determine the number and location of groundwater monitoring wells needed to support post-remediation groundwater monitoring at four properties located at the former Arrowwood Housing Sites at the Naval Submarine Base (NSB) New London in Groton, Connecticut. The SOW also directed Tetra Tech to prepare a work plan to support four rounds of quarterly groundwater monitoring at these properties. This Groundwater Monitoring Report presents a summary of the quarterly sampling data and provides recommendations for further action based on the data collected during monitoring rounds completed in January, March, June, and September 2008.

1.1 SITE DESCRIPTION

This section provides background information on the Arrowwood Drive area, in particular the four subject properties that were included in the groundwater monitoring program.

1.1.1 Site Background Information

NSB New London is located in Groton, Connecticut on the east bank of the Thames River approximately 6 miles north of Long Island Sound (Figure 1-1). NSB New London is the home port for attack submarines with the main base occupying more than 687 acres. An additional 530 acres are used for housing Navy families.

The Arrowwood Housing Sites are located on Arrowwood Drive within the Nautilus Park housing area approximately 1 mile south of the NSB, to the east of Connecticut Route 12. These properties are the former site of several duplex residential dwellings for NSB personnel (Figure 1-2). The structures on the Arrowwood Housing Sites were demolished as part of the redevelopment of this area, and new townhomes have been constructed on many of the properties. Figure 1-2 shows a plan view of Arrowwood Drive prior to building demolition. The redevelopment of Arrowwood Drive included the construction of new homes within the area bounded by Arrowwood Drive and Gungywamp Road. There are no residential structures located between Arrowwood Drive, Route 12, and the Beaverdam Brook Wetlands.

The residential buildings that formerly occupied the Arrowwood Housing Sites were heated using fuel oil that was stored in underground storage tanks (USTs) located adjacent to each building. During

demolition of these buildings and removal of the associated USTs, the Navy observed that several of the properties on Arrowwood Drive had been impacted by releases of fuel oil from these USTs. From May to July 2006, the Navy performed removal actions at 11 properties located on Arrowwood Drive where evidence of release had been observed. Removal activities included the excavation of petroleum-impacted soils until field screening indicated that the limits of the release area had been reached. The Navy collected confirmatory soil samples for laboratory analysis from the sidewalls and bottom (where practical) of the soil excavations and backfilled the excavations with clean material. A total of approximately 1,750 tons of petroleum impacted soils were removed and disposed during these removal actions (TtEC, 2006).

Groundwater was encountered during soil excavation at seven of the Arrowwood Drive properties. Groundwater (present as surface water at the bottom of soil excavation) samples were collected from these properties and analyzed for Extractable Total Petroleum Hydrocarbons (ETPH) during removal activities. At four of these properties, the concentration of ETPH detected in groundwater samples exceeded the Connecticut Department of Environmental Protection (CTDEP) GA/GAA Groundwater Protection Criteria (GWPC) of 500 ppb, which was the remediation goal for the site. Groundwater samples collected from these four properties did not exceed the CTDEP Residential Volatilization Criteria (VC) (TtEC, 2006).

1.1.2 Previous Environmental Investigations at Subject Properties

In this section, a more detailed description of the removal actions performed to date at the four subject properties is provided.

1.1.2.1 47/49 Arrowwood Drive

On 1 June 2006, the Navy excavated a 20 x 30 x 8-foot deep area of clean overburden from the 47/49 Arrowwood Drive property (Figure 1-3). Petroleum-impacted soils were encountered at 8 feet below ground surface (bgs) and soil excavation continued to approximately 15 feet bgs. The final dimensions of the soil excavation were 20 x 30 x 15 feet deep (TtEC, 2006).

Groundwater was encountered at 10 feet bgs during excavation at this property. A visible oil sheen was detected on the surface water that accumulated in the excavation, and a sample of this water was collected. The water exhibiting a sheen was extracted from the excavation into a vacuum truck for off-site disposal, and a second sample of the water within the excavation was collected. The concentration of ETPH detected in both of these samples exceeded the remediation goal of 500 ppb (TtEC, 2006).

After the collection of water samples, the soil excavation was backfilled with bank run gravel to the top of the water table, and the excavation was backfilled to original grade using native overburden material (TtEC, 2006).

1.1.2.2 109/113 Arrowwood Drive

Data from a previous investigation at 109/113 Arrowwood Drive indicated the presence of petroleum-impacted soils to the east of the former UST location (Figure 1-4). On 31 May 2006, the Navy completed a 40-foot wide excavation at this property to remove petroleum-impacted soils. Impacted soils were encountered at 5 feet bgs, and excavation continued until soil screening with the PID indicated levels below 1 ppm/v. Sidewall and bottom soil confirmation samples were collected to verify the limits of impacted soils. The total depth of excavation was 9 feet bgs (TtEC, 2006).

Groundwater was encountered at 6.5 feet bgs during excavation at 109/113 Arrowwood Drive. A visible oil sheen was observed on the surface water that accumulated in the excavation, and a sample of this water was collected. The water exhibiting a sheen was extracted from the excavation into a vacuum truck for off-site disposal, and a second sample of the water within the excavation was collected. Laboratory results from both of these water samples indicated that the concentration of ETPH in groundwater was still above the remediation goal of 500 ppb (TtEC, 2006).

After the collection of water samples, the soil excavation was backfilled with bank run gravel to the top of the water table, and the excavation was backfilled to original grade using native overburden material (TtEC, 2006).

1.1.2.3 122/124 Arrowwood Drive

A release of No. 2 fuel oil occurred at 122/124 Arrowwood Drive (date unknown), which resulted in the removal of the tank in March 2002 (Figure 1-5). During removal of the tank, approximately 250 tons of petroleum-impacted soil were excavated and free-phase petroleum was encountered at the groundwater surface within the tank excavation. This material was removed by vacuum truck. In March 2002, a 10-inch diameter recovery/monitoring well (MW-1) was placed in the excavation area. Two additional monitoring wells (MW-2, MW-3) were also installed. In April-June 2002, a site investigation was performed, five monitoring wells were installed (MW-4 through MW-8), and soil samples were collected. In October 2002, monitoring wells MW-9 and MW-10 were installed. Four additional wells (MW-11 through MW-14) were subsequently installed to further investigate impacts to groundwater at 122/124 Arrowwood Drive (TtEC, 2006).

After removal of the UST, groundwater samples collected from monitoring wells located in the vicinity of 122/124 Arrowwood Drive indicated concentrations of ETPH above CTDEP GA/GAA GWPC. EA Engineering, Science, and Technology (EA) prepared a Corrective Action Plan (CAP) in 2003 recommending that monitoring wells be sampled for comparison to CTDEP GA/GAA groundwater standards for benzene, toluene, ethylbenzene, and total xylene (BTEX), extractable total petroleum hydrocarbons (ETPH), and methyl-tert butyl ether (MTBE). The CAP also recommended denitrification-based bioremediation (DBB) for the dissolved-phase and sorbed-phase petroleum contamination. DBB treatment was conducted from November 2003 through July 2004 and results are detailed in the Post-Treatment Sampling and Assessment Report (EA, 2004).

Based on the results of the DBB, EA recommended quarterly monitoring for 1 year at nine monitoring wells and at one surface water location for EPTH, BTEX and MTBE to verify the effectiveness of the treatment effort. Three of the four planned quarterly rounds of sampling were performed prior to the soil removal activities discussed in the following paragraph. Results from groundwater and surface water sampling performed in September 2005, December 2005, and March 2006 (prior to soil removal) are summarized on Tables 1-1 and 1-2 of the Groundwater Monitoring Report prepared by HRP, respectively (HRP, 2006). The analytical results from these three rounds of samples indicated that only EPTH was present above the GA/GAA GWPC.

In May 2006, the Navy excavated a large area of petroleum-impacted soils resulting from the release at 122/124 Arrowwood Drive (Figure 1-5). The excavation area extended beneath Arrowwood Drive onto the 131/135 Arrowwood Drive property, encompassing an area of approximately 5,000 square feet. Sidewall and bottom confirmation samples were collected from the entire excavation area and sent to the laboratory for analysis. Only one confirmation sample contained a concentration of ETPH above the detection limit (20 ppm), which was below the remediation goal.

Groundwater was encountered at 4 feet bgs during excavation at 122/124 Arrowwood, and a sample was collected for laboratory analysis. The sample contained 377 µg/L ETPH, which is above the current GA/GAA GWPC for ETPH of 100 µg/L.

1.1.2.4 191/195 Arrowwood Drive

On 16 May 2006, the Navy began the removal of petroleum-impacted soils at 191/195 Arrowwood Drive (Figure 1-6). Impacted soils were encountered at 4 feet bgs and excavation continued to the depth of bedrock (12 feet bgs). The Navy field-screened soils during excavation using a PID and continued excavating until PID readings from excavated soils were below 10 ppm/v. After all of the impacted soils were removed, confirmation samples were collected from the excavation at a rate of one per 20 linear

feet of excavation sidewall to verify the attainment of cleanup goals. Confirmation samples were collected from immediately above the water table.

Groundwater was encountered at approximately 8 to 10 feet bgs during soil excavation at 191/195 Arrowwood Drive. A visible oil sheen was detected on the surface water that accumulated in the excavation, and a sample of this water was collected. The water exhibiting a sheen was extracted from the excavation into a vacuum truck for off-site disposal and a second sample of the water within the excavation was collected. Laboratory results from both of these water samples indicated that the concentration of ETPH in groundwater was still above the remediation goal (TtEC, 2006).

After the collection of water samples, the soil excavation was backfilled with bank run gravel to the top of the water table, and the excavation was backfilled to original grade using native overburden material (TtEC, 2006).

1.2 ENVIRONMENTAL SETTING

This general description of the Site's environmental setting is based on a review of topographic maps, geological and hydrogeological literature available for the Site and vicinity, and information obtained from review of environmental investigations previously conducted on the Site. Geological data collected during well installation activities conducted in November 2007 are described in Section 2.1.3.

1.2.1 Site Topography

In general, the topography of the Arrowwood Drive area slopes downward from a high along Gungywamp Road toward the Beaverdam Brook wetlands located to the south. Currently, the northern portion of the Arrowwood Drive complex and the areas immediately north of the wetlands are relatively flat, with most of the relief occurring in the central portion of the complex. Some re-grading occurred during demolition and redevelopment of the Arrowwood Drive residences.

1.2.2 Surficial Geology

According to the Geologic Map of the Uncasville Quadrangle, Connecticut: Surficial Geology (Goldsmith, 1960), the native surficial materials within the area occupied by the Arrowwood Housing Sites consist of ground moraine deposits consisting of till varying from light-grey sandy gravelly till to a compact, gray fissile till containing more silt and clay size particles. Surficial materials within the limits of soil excavations consist of bank run gravel that was used as backfill material.

1.2.3 Bedrock Geology

According to the Bedrock Geological Map of Connecticut, the Mamacoke Formation underlies the Arrowwood Housing Sites. The Mamacoke Formation consists of inter-layered light to dark gray, medium-grained gneiss and Potter Hill Granite Gneiss, a light-pink to gray, tan weathering, fine- to medium-grained, well-foliated granitic gneiss (CGNHS, 1990). During soil removal at 191/195 Arrowwood Drive, bedrock was encountered at approximately 12 feet below ground surface (TtEC, 2006). Bedrock was not encountered during the November 2007 subsurface investigation.

1.2.4 Site Hydrology

Groundwater elevation measurements obtained by HRP Associates during groundwater monitoring at 122/124 Arrowwood Drive indicated that groundwater flow is from northwest to southeast in the 122/124 Arrowwood area. Groundwater depths in this portion of the Arrowwood complex were measured between 3 and 6 feet below ground surface. These data are supported by the information collected during groundwater monitoring events in 2008.

1.2.4.1 Groundwater Classification

Groundwater beneath the Arrowwood Housing Sites is classified by CTDEP as GAA. The GAA classification applies to groundwater that may be used as a current or future public water supply suitable for drinking without treatment, or that is hydraulically connected to a surface water body that is used as a drinking water supply.

The CTDEP has developed risk-based numerical criteria for the remediation of polluted soil and groundwater. These criteria were promulgated in the CTDEP Remediation Standard Regulations (RSRs) (CTDEP, 1996). The RSRs provide numerical threshold concentrations for selected environmental contaminants (termed “polluting substances”) below which soil and groundwater are considered sufficiently remediated.

Groundwater sampling results that were obtained during this project are compared to CTDEP RSR criteria that have been developed to evaluate groundwater in a GA/GAA groundwater area:

- Ground Water Protection Criteria (GWPC) – These criteria are intended to be protective of groundwater that is used as a drinking water source and for other domestic uses.

- Volatilization Criteria (VC) – These criteria are intended to protect the occupants of buildings or future buildings from the migration of volatile organic compounds (VOCs) from contaminated groundwater into indoor air of a building or other permanent structure. The specific criteria used for this site are the Volatilization Criteria for residential sites (Residential VC). There is no VC for ETPH.

In Section 3.0 the data collected during groundwater monitoring events in 2008 are compared to these RSR criteria. The RSRs also require that analytical data from groundwater plumes that discharge to a wetland be compared against the aquatic life criteria provided in Appendix D of the Connecticut Water Quality Standards, however there are no aquatic life criteria established for VOCs or ETPH.

1.2.4.2 Surface Water Classification

The surface water classification of Beaverdam Brook, located to the south (downgradient) of the Arrowwood Housing Sites, is AA. The AA classification indicates that the surface water present in this area may be used as an existing or proposed drinking water supply, a fish and wildlife habitat, for recreation, or as a supply for agricultural and industrial applications.

Surface water quality standards are intended to protect the existing use of a surface water body, wetland, or intermittent stream into which groundwater discharges. These criteria apply to the surface water found where the site abuts the Beaverdam Brook wetlands to the east and southeast. The CTDEP standards applied to the data collected during surface water monitoring are the human health standards for consumption of organisms only (HH COO) and for the consumption of water and organisms (HH COWAO) provided in Appendix D of the Connecticut Water Quality Standards (CTDEP, 2002).

1.3 Report Objectives

The purpose of this Monitoring Report is to present the findings of the groundwater and surface water sampling activities conducted from January 2008 through September 2008 at 47/49, 109/113, 122/124, and 191/193 Arrowwood Drive. This Monitoring Report includes the following sections:

- Section 1.0 provides an introduction and a description of the subject properties;

- Section 2.0 provides a summary of all well installation and groundwater/surface water sampling activities that were completed during 2008;

- Section 3.0 presents the analytical results from groundwater/surface water samples collected during 2008, with a comparison of results to the applicable Connecticut RSR criteria;

- Section 4.0 provides conclusions based on the data collected during the four sampling rounds, with recommendations for future action based on the requirements of Connecticut regulations.

Appendices are included to support the text of the Monitoring Report. Appendix A contains soil boring logs prepared during monitoring well drilling activities; Appendix B contains flush mount monitoring well construction logs; Appendix C contains monitoring well development log sheets; Appendix D contains groundwater elevation summary sheets for each synoptic groundwater level measurement round; Appendix E contains sample collection log sheets from each sampling round; Appendix F contains sample chain-of-custody forms; Appendix G contains full laboratory reports; and Appendix H contains investigation derived waste (IDW) characterization and disposal paperwork.

2.0 FIELD INVESTIGATIONS

This section describes the field investigations performed by Tetra Tech at the Arrowwood Housing Sites between November 2007 and September 2008.

2.1 HOLLOW STEM AUGER DRILLING AND MONITORING WELL INSTALLATION

Tetra Tech advanced 15 hollow stem auger (HSA) soil borings at the Arrowwood Housing Sites during November 2007. These borings (SB-101 through SB-104, SB-201 and SB-202, SB-301 through SB-305, and SB-401 through SB-404) were advanced to depths of between 9.5 and 19 feet bgs using a truck-mounted HSA drilling rig. Each HSA soil boring was completed as 2-inch monitoring well. Soil boring and monitoring well locations are depicted on Figures 1-3 through 1-6.

2.1.1 Subsurface Soil Sampling

Soil samples were collected during boring advancement at continuous 2-foot depth intervals between the ground surface and the top of the water table (encountered between 4 and 15 feet bgs across the site) using a 2-foot long, 2.0-inch I.D. split-barrel sampler. Each soil sample was field screened for organic vapors immediately upon collection using the jar headspace technique in accordance with the Well Installation Work Plan (TtNUS, 2007a). Physical characteristics of soil samples collected from each depth interval were described using the Universal Soil Classification System (USCS) and recorded on soil boring log sheets. Soil boring log sheets (including jar headspace readings) are provided in Appendix A.

Inspection of soil samples collected from soil borings advanced during this investigation indicate that surficial materials underlying the Site consist primarily of fine to medium sands with varying amounts of silt and gravel. Jar headspace screening conducted on soil samples indicated organic vapor concentrations between 0.0 parts per million by volume (ppm/v) and 259 ppm/v. Organic vapor concentrations above 5.0 ppm/v were detected in at least one depth interval in soil borings SB-102, SB-202, SB-302, SB-303, SB-305, SB-402, and SB-403. The highest field screening organic vapor concentrations were detected in soil samples collected from 8 to 10 feet bgs, at the water table interface, at locations SB-402 and SB-403. Jar headspace field screening results above 5.0 ppm/v are summarized in Table 2-1.

2.1.2 Monitoring Well Construction and Development

Each soil boring was completed as a groundwater monitoring well. Monitoring wells were constructed of 2-inch inside diameter (I.D.) Schedule 40 polyvinyl chloride (PVC) screen and riser. Monitoring well

screens ranged from 3 feet to 10 feet in length (Table 2-2) with a slot size of 0.010-inch. All well screens were fitted with a PVC end plug. Initial determination of the depth to water table was made by visual observation of soil moisture content in the split-spoon samples recovered from the soil borings. All monitoring wells were installed so that approximately 2 to 3 feet of the well screen was placed above the water table.

A sand filter pack was placed into each borehole to a depth of approximately 1 or 2 feet above the top of the well screen. A 1 or 2-foot thick bentonite seal was placed above the filter pack. Native fill material and/or clean sand were placed around the well riser above the filter pack seal. All monitoring wells were completed with flush-mounted steel protective casings surrounded by 2-foot square concrete surface seals. Details pertaining to well construction for each monitoring well are documented on the monitoring well construction log sheets attached in Appendix B.

After installation, each new monitoring well was developed by pumping using a WaTerra pump. In addition, two existing monitoring wells (MW-13 and MW-14) were re-developed during November 2007. The turbidity of water extracted was measured periodically during well development activities. Monitoring wells were developed until the turbidity measurements stabilized or for one hour. Well development data sheets providing the volume of water extracted and turbidity measurements are provided in Appendix C.

2.1.3 Piezometer/Surface Water Sample Location

Proposed soil boring/monitoring well location SB203/MW203 was not able to be accessed by the drilling rig since it is located at the base of an embankment within the Beaverdam Brook Wetland. In order to collect water sampling data from a location downgradient from the former UST location at 109/113 Arrowwood Drive, Tetra Tech installed a 2-inch diameter PVC monitoring point into the wetlands at the SB-203 location, which was given the label “PZ-203”. The PZ-203 location is within an area that is intermittently submerged beneath surface water or where the depth to groundwater is extremely shallow, much like the existing surface water sampling location located downgradient from 122/124 Arrowwood Drive (SW-01).

2.1.4 Sample Location Survey

After the installation of monitoring wells and piezometer/surface water sampling points was complete, Tetra Tech recorded the horizontal coordinates of all new and existing sampling points using Global Positioning System (GPS). The vertical elevation of each monitoring well casing (measuring point) was referenced to an arbitrary on-site benchmark using standard instrument survey techniques to enable the development of groundwater surface contours.

2.2 QUARTERLY MONITORING EVENTS

Tetra Tech completed quarterly groundwater monitoring events during January, March, June, and September 2008. During each event, groundwater level measurements were collected and groundwater samples were collected for laboratory analysis.

2.2.1 Measurement of Groundwater Elevations

During each groundwater monitoring round, a synoptic round of groundwater level measurements were collected from the 15 new monitoring wells, 2 existing monitoring wells, and 2 piezometer/surface water sampling locations. Groundwater level measurements collected during monitoring rounds indicate that the depth to groundwater ranges from approximately 2 feet bgs to 14 feet bgs across the site. Based on the relative elevations of groundwater recorded in site monitoring wells, the direction of groundwater flow was inferred to be generally toward the southeast, in the general direction of the Beaverdam Brook Wetland. Table 2-3 provides a summary of depths to groundwater measured during each monitoring round with the associated groundwater elevations for each monitoring well. Groundwater contours for each monitoring round are depicted on Figures 2-1 through 2-4. Groundwater Level Measurement sheets are included in Appendix D.

2.2.2 Groundwater Sampling

During each monitoring round, groundwater samples were collected from the 15 newly installed monitoring wells and one existing monitoring well (MW-14) using the EPA “low flow” purging and sampling procedure (EPA SOP No. GW-001 [EPA, 1996]), as described in the Groundwater Sampling Work Plan (Tetra Tech, 2007b). Water quality data collected during well purging activities are provided on the groundwater sample log sheets in Appendix E. Groundwater quality parameters measured immediately prior to sample collection are summarized on Tables 2-4 through 2-7.

A total of 17 groundwater samples (including two field duplicate groundwater samples), were collected during each monitoring round. All groundwater samples were preserved with hydrochloric acid, chilled to 4°C, and shipped under chain-of-custody to Katahdin Analytical in Westbrook, Maine for analysis of targeted volatile organic compounds (VOC) by EPA Method 8260B and Extractable Total Petroleum Hydrocarbons (ETPH) by the Connecticut DEP Method.

2.2.3 Surface Water Sampling

Two surface water samples (PZ-203 and SW-01) were collected from the Beaverdam Brook wetlands during each sampling round. Sample PZ-203 was collected from a newly installed piezometer constructed of 2" I.D. PVC pipe. Sample SW-01 was collected from the existing ¾"-diameter PVC pipe that was installed into the wetlands at a surface water sampling location that had been utilized during monitoring for the *in-situ* bioremediation project.

Water samples were collected from these locations by evacuating the PVC screen using a peristaltic pump, then allowing them to recharge. When a sufficient volume of water had recharged through the screen into the pipe, an aliquot of water was extracted so that water quality parameters could be measured (temperature, pH, specific conductivity, dissolved oxygen, oxidation-reduction potential, and turbidity). After recording these parameters on a surface water sample log sheet (Appendix E), a second aliquot was extracted from the pipe, containerized into pre-preserved sample containers, and shipped to a laboratory for targeted VOC and ETPH analysis. One field duplicate sample was collected from these surface water sampling locations during each sampling round by filling an extra set of sample containers from the second aliquot.

The surface water samples collected during Round 1 (January 2008) were an exception to the above sampling method. During this sampling round, the locations were purged to stabilization (as outlined in the groundwater sampling section) since standing surface water present around the piezometer locations allowed for continuous purging.

Samples collected during Round 3 (June 2008) required multi-day sampling due to slow recharge at both locations, PZ-203 and SW-01.

2.3 INVESTIGATION DERIVED WASTE MANAGEMENT

Investigation derived waste (IDW) generated during subsurface investigation and groundwater monitoring activities completed between November 2007 and September 2008 included soil cuttings and decontamination fluids generated during monitoring well installation, well development water, and purge water generated during quarterly monitoring rounds. Solid and liquid IDW was collected and containerized into 55-gallon steel drums and transported to a designated off-site staging area. Samples were collected from the drums in order to characterize the wastes for off-site disposal. IDW drums were temporarily staged in a locked 8-foot by 20-foot portable storage container until the laboratory analytical reports were received and their disposition was determined. Once characterized, the waste liquids were disposed of in accordance with state and federal requirements.

A licensed hazardous waste transportation and disposal subcontractor, New England Disposal Technologies, Inc., was procured for the characterization and disposal of the IDW generated during the investigation. Laboratory analytical results of waste characterization samples indicated that all IDW generated during the investigation was suitable for disposal as non-hazardous waste. A total of 16 drums of solid IDW and 12 drums of liquid IDW were characterized and disposed for this project. Waste characterization profiles and non-hazardous waste manifests for IDW drums generated during the project are provided in Appendix H.

3.0 ANALYTICAL RESULTS

This section describes the analytical results from groundwater and surface water samples collected during the four monitoring rounds and compares these results to the applicable CTDEP groundwater and surface water criteria. The RSR GWPC and Residential VC were used to assess potential risks to human health associated with contamination detected in groundwater samples, and the Human Health Criteria for the Consumption of Organisms Only and for the Consumption of Water and Organisms (from Appendix D of the Connecticut Water Quality Standards) were used to assess potential human health risks associated with contamination detected in surface water samples.

3.1 QUALITY ASSURANCE/QUALITY CONTROL

A modified Tier I-like data validation was performed on the groundwater and surface water analytical data obtained during the investigation. The data validation procedures included checking chain-of-custody records for sampling, shipping, analyses, and reporting information for completeness. The results of the data validation indicated that analytical results met validation criteria and are useable for the purposes of this investigation. The chain of custody forms and laboratory data packages are included in Appendix F and Appendix G, respectively.

The data obtained during this investigation were determined to be of sufficient quality to be used to evaluate compliance with the applicable regulatory criteria:

- Groundwater and surface water samples were collected from all planned locations, resulting in 100 percent completeness for all four rounds of sampling.

- Quality assurance/quality control (QA/QC) samples collected during the four rounds of sampling included eleven field duplicate samples and ten trip blanks.

  Field duplicate samples were collected to assess the precision of the overall sampling and analysis process. The following conditions indicate acceptable field precision for aqueous samples: (1) when both results are positive and their relative percent difference is less than 30 percent, (2) when both results are positive and the results are less than twice the quantitation limit, (3) when one result is positive the other is non-detect, and the positive result is less than twice the quantitation limit, (4) when both results are non-detects. Table 3-1 summarizes the evaluation of the field duplicate samples from this investigation. (In cases where both results were non-detects, the data were excluded from this table). The few instances where the criteria

for acceptable precision were not met are not anticipated to negatively impact the overall usability of the data for this report.

- The ten trip blanks collected during this investigation were analyzed for VOCs. There were no detections in the trip blank analytical results.

3.2 GROUNDWATER AND SURFACE WATER ANALYTICAL RESULTS

The compounds detected in the groundwater and surface water samples collected during the four monitoring rounds are summarized in Tables 3-2 through 3-6. Compounds detected at concentrations greater than the applicable CTDEP RSR criteria are highlighted in black. Sampling locations are depicted on Figures 1-3 through 1-6.

The most frequently detected analyte in groundwater and surface water samples collected from the Arrowwood Housing Sites was ETPH. VOCs were detected relatively infrequently and at levels below RSR criteria, with one exception (benzene in MW403 during the January 2008 sampling round). Groundwater sampling results were compared against the CTDEP RSR GWPC and the Residential VC. There were no exceedances of the Residential VC. Compounds detected in groundwater samples at concentrations exceeding the CTDEP GWPC included ETPH and benzene:

- ETPH was detected at concentrations exceeding its GWPC (100 µg/L) in at least one groundwater sample collected from MW102, MW103, MW201, MW202, MW302, MW303, MW304, MW305, MW-14, MW402, MW403, and MW404 during the four rounds of sampling. The location of monitoring wells in which ETPH concentrations were detected at levels exceeding CTDEP regulatory criteria are highlighted on Figures 3-1 through 3-4.

- Benzene was detected at a concentration exceeding its GWPC (1 µg/L) in the groundwater sample collected from MW-403 during Round 1 (January 2008) sampling.

No other compounds detected in groundwater samples exceeded the CTDEP GWPC.

No compounds detected in the surface water samples exceeded the CTDEP HH COO and HH COWAO during the four rounds of sampling.

3.3 ETPH ANALYTICAL RESULTS

The analyte most frequently detected above RSR GWPC during the four rounds of sampling was ETPH. The following subsections summarize the ETPH results at each property over the four rounds of sampling. Tag maps showing ETPH concentrations measured at each property during the four rounds of sampling are provided as Figures 3-1 through 3-4. Trend graphs of the ETPH results by property are provided on Figures 3-5 through 3-8.

3.3.1 47/49 Arrowwood Drive ETPH Results

ETPH concentration trend graphs for monitoring wells located at 47/49 Arrowwood Drive (Figure 3-5) show that all analytical results since March 2008 were below the CTDEP GWPC criterion except for monitoring well MW102 during the March and September rounds. The variability in ETPH concentrations in this well may be attributed to seasonal variation. The general trend at this property appears to suggest a decrease in the ETPH concentrations over the January 2008 to September 2008 monitoring period.

The highest ETPH concentrations at this property were observed at MW-102, which is located adjacent to the former UST location within the limits of the June 2006 soil excavation. As would be expected, MW-101, located upgradient from the release, contained ETPH concentrations below detection limits. Monitoring well MW-103, located downgradient from the presumed release area, contained higher concentrations of ETPH than MW101, but lower concentrations than MW-102. ETPH was not detected in MW-104.

The extent of the ETPH plume at this property appears to be limited to the area in the immediate vicinity of the former tank location. Downgradient monitoring well MW-103 contained concentrations of ETPH below RSR GWPC during the last three monitoring rounds and cross-gradient well MW-104 did not contain detectable levels of ETPH (Figures 3-1 and 3-5).

3.3.2 109/113 Arrowwood Drive ETPH Results

ETPH concentration trend graphs for sampling locations at 109/113 Arrowwood Drive (Figure 3-6) suggest that the general trend at this property is a decrease in ETPH concentrations between January 2008 and September 2008.

The highest ETPH concentrations at this property were observed at MW-202, which is located adjacent to the former UST location within the limits of the May 2006 soil excavation. As would be expected, MW-201, located upgradient from the release, did not contain detectable concentrations of ETPH.

The piezometer/surface water sampling location PZ-203 is located downgradient from the presumed release area, within the Beaverdam Brook wetlands. The ETPH data collected from this location was included on this figure for comparison with the other sampling points at this property, even though comparison to the GWPC is not appropriate. There are no aquatic life criteria or human health risk-based water quality criteria for ETPH.

The downgradient extent of the ETPH plume at this property has not been delineated since the sampling results from PZ203 have detectable concentrations of ETPH (Figures 3-2 and 3-6).

3.3.3 122/124 Arrowwood Drive ETPH Results

ETPH concentration trend graphs for monitoring wells located at 122/124 Arrowwood Drive (Figure 3-7) show that all results are below 400 µg/L except for MW303. With the exception of MW305, the general trend of ETPH concentration in monitoring wells at this property was downward between January 2008 and September 2008.

The highest ETPH concentrations at this property are found at MW303, which is located within the limits of the May 2006 soil excavation and downgradient from the presumed release area. The ETPH results at MW303 ranged from 1400 to 1700 µg/L, decreasing from January 2008 to September 2008. These were consistently the highest ETPH concentrations detected at all four Arrowwood Drive properties.

The piezometer/surface water sampling location SW-01 is located at the downgradient edge of the ETPH plume, within the Beaverdam Brook wetlands. The ETPH data collected from this location was included on this figure for comparison with the other sampling points at this property, even though comparison to the GWPC is not appropriate. There are no aquatic life criteria or human health risk-based water quality criteria for ETPH.

The downgradient extent of the plume at this property has not been delineated since the results from sampling location SW-01 have detectable concentrations of ETPH (Figures 3-3 and 3-7).

3.3.4 191/195 Arrowwood Drive ETPH Results

ETPH concentration trend graphs for monitoring wells located at 191/195 Arrowwood Drive (Figure 3-8) show a general downward trend between the January 2008 and September 2008 monitoring rounds, with some seasonal variability.

The highest ETPH concentrations at this property were detected in MW402. The results at MW403, located adjacent to the former UST location and within the limits of the May 2006 soil excavation, exceed the CTDEP GWPC regulatory criterion, but exhibited a decrease between January 2008 and September 2008. Monitoring well MW401, located upgradient from the presumed release area, consistently shows ETPH concentrations below detection limits.

The downgradient extent of the ETPH plume at this property has not been delineated since the sampling results from MW404, downgradient from the plume, had detectable concentrations of ETPH in 3 of the 4 samples collected from this well (Figure 3-4). However, the ETPH concentration measured in this downgradient well was below the RSR GWPC during the September 2008 monitoring round.

4.0 CONCLUSIONS AND RECOMMENDATIONS

This section summarizes the findings of the groundwater and surface water investigation, and presents conclusions regarding the need for additional work at these sites to bring them into compliance with the Connecticut RSRs.

4.1 NATURE AND EXTENT OF ETPH CONTAMINATION

Soil sampling data collected during UST and soil removal activities at the subject properties indicated that the sources of petroleum contamination were removed from these sites. Furthermore, although positive PID readings were observed during wellhead screening prior to sampling at certain wells during 2008, groundwater gauging conducted during each round using an oil-water interface probe indicated that non-aqueous phase liquids were not present in on-site wells. Therefore, continuing sources of contamination are not believed to be present on any of the subject sites.

Further evidence that continuing sources of contamination are no longer present at these properties is provided by the observation of ETPH concentration trends over the four monitoring rounds. In general, ETPH concentrations exhibited downward trends, suggesting that degradation of petroleum constituents is occurring and the groundwater plumes are retracting. The comparison of groundwater sampling data for monitoring well MW-14 from 2005/06 to data collected during 2008 provides further indication that ETPH concentrations in groundwater are decreasing. Since July 2005, the concentration of ETPH detected in this monitoring well has decreased from a high of 872 µg/L to its present concentration of 120 µg/L (Figure 4-1).

ETPH concentrations measured in groundwater samples collected from these sites are believed to represent residual dissolved-phase contamination remaining from the historical releases of petroleum that occurred at these properties, and continued degradation of petroleum constituents is likely to occur. However, groundwater at these sites is not in compliance with Connecticut regulations. Concentrations of ETPH measured in groundwater samples exceed the RSR GWPC and detectable levels of ETPH are present in samples collected from the downgradient wetland areas. Therefore, these sites are not sufficiently remediated to begin compliance or post-remediation monitoring.

4.2 RECOMMENDATIONS

Based on the evaluation of quarterly sampling data collected during 2008, a monitored natural attenuation (MNA) strategy is recommended for the Arrowwood Housing Sites. Continuing sources of contamination that could further degrade groundwater quality were removed during the soil removal actions completed

by the Navy in 2006. Residual dissolved-phase petroleum contamination is present below or slightly above the GWPC with two exceptions (MW303 and MW402). Groundwater sampling data collected during 2008 suggests that ETPH concentrations are decreasing.

4.1.1 Groundwater Monitoring

To verify that ETPH concentrations in on-site monitoring wells continue to decrease toward the GWPC, semi-annual groundwater monitoring is recommended. Groundwater monitoring should occur during the spring and autumn months to correspond to the seasonal high and low water table conditions. The goals of the program will be to monitor the concentrations of ETPH in key locations at each site to verify that natural degradation of petroleum constituents continues to occur. Two years of semi-annual monitoring are recommended, after which time the ETPH concentration trends and progress of MNA should be re-evaluated. Monitoring wells recommended for additional monitoring include MW-102, MW-202, MW-303, MW-304, and MW-402. These wells are located in the areas of highest ETPH concentrations, therefore compliance with the GWPC at these wells would suggest compliance at other on-site wells.

Once the concentrations of ETPH have reduced below GWPC in these monitoring wells, additional monitoring from an expanded set of monitoring wells will be necessary for compliance and post-remediation monitoring to demonstrate compliance with the RSRs.

4.1.2 Surface Water Monitoring

Presently, and in the foreseeable future, groundwater beneath the Arrowwood Housing Sites is not being used as a source of drinking water. Therefore, the most likely route of exposure to contaminants present in groundwater at these sites is through direct contact with surface water in the Beaverdam Brook Wetland that has been impacted by groundwater discharges from the sites.

At the 109/113 Arrowwood Drive and 122/124 Arrowwood Drive properties, the downgradient limits of the ETPH plume have not been delineated to the 100 ug/L threshold. Additional shallow groundwater or surface water sampling locations are recommended at these locations to delineate the extent of ETPH contamination that is migrating from these two release areas into the wetland area. These locations should be sampled semi-annually along with the monitoring wells recommended in the previous section.

TABLES

TABLE 2-1

JAR HEADSPACE FIELD SCREENING RESULTS
ARROWWOOD HOUSING SITES
NAVAL SUBMARINE BASE NEW LONDON
GROTON, CONNECTICUT

Soil Boring	Sample depth (ft bgs)	PID Headspace (ppm/v)	Depth to Water Table (ft bgs)
SB-102	4 - 6	6.1	14
	6 - 8	6.9	
	10 - 12	6.6	
	12 - 14	28.9	
SB-202	8 - 10	23.3	8
SB-302	6 - 8	6.0	6
	11*	12.3	
SB-303	8 - 10	10.8	6
	10 - 12	11.6	
	13*	24.0	
SB-305	4 - 6	13.2	4
SB-402	8 - 10	259	8
	10 - 12	67.6	
SB-403	8 - 10	77.3	8

Notes:

Only jar headspace readings exceeding 5.0 ppm/v shown on this table.

TABLE 2-2

MONITORING WELL SCREEN INTERVALS
ARROWWOOD HOUSING SITES
NAVAL SUBMARINE BASE NEW LONDON
GROTON, CONNECTICUT

Well Location	Screen interval (ft bgs)
MW-101	15 - 18
MW-102	11 - 17
MW-103	9 - 19
MW-104	4 - 9.5
MW-201	4 - 14
MW-202	5 - 15
MW-301	5 - 13
MW-302	4 - 11
MW-303	4 - 14
MW-304	3 - 13
MW-305	3.5 - 13.5
MW-401	5 - 12.5
MW-402	5 - 15
MW-403	5 - 12
MW-404	5 - 15

TABLE 2-3

SUMMARY OF GROUNDWATER DEPTHS AND ELEVATIONS
ARROWWOOD HOUSING SITES
NAVAL SUBMARINE BASE NEW LONDON
GROTON, CONNECTICUT

Well ID	Elevation to MP (feet MSL)	Depth to Water (feet)				Elevation of Water Surface (feet MSL)			
		01/08/08	03/24/08	06/09/08	09/08/08	01/08/08	03/24/08	06/09/08	09/08/08
MW-101	57.81	13.48	11.84	12.97	13.11	44.33	45.97	44.84	44.70
MW-102	56.98	12.84	11.38	12.31	12.41	44.14	45.60	44.67	44.57
MW-103	55.02	11.22	9.97	10.78	10.88	43.80	45.05	44.24	44.14
MW-104	47.94	3.93	2.58	3.32	3.38	44.01	45.36	44.62	44.56
MW-201	48.45	7.18	6.50	7.06	7.30	41.27	41.95	41.39	41.15
MW-202	47.13	6.06	5.57	5.96	6.15	41.07	41.56	41.17	40.98
PZ-203	43.52	2.83	2.75	2.75	2.85	40.69	40.77	40.77	40.67
MW-301	52.32	8.55	6.60	8.37	9.58	43.77	45.72	43.95	42.74
MW-302	48.27	4.99	3.40	4.78	5.85	43.28	44.87	43.49	42.42
MW-303	47.34	5.50	4.53	5.33	5.85	41.84	42.81	42.01	41.49
MW-304	46.33	5.31	4.84	5.20	5.40	41.02	41.49	41.13	40.93
MW-305	44.94	5.68	2.98	3.50	3.81	39.26	41.96	41.44	41.13
MW-401	48.89	6.81	5.84	6.85	7.15	42.08	43.05	42.04	41.74
MW-402	48.76	6.72	5.74	6.72	6.97	42.04	43.02	42.04	41.79
MW-403	48.04	6.56	5.19	6.03	3.27	41.48	42.85	42.01	44.77
MW-404	47.46	5.61	4.84	5.56	5.77	41.85	42.62	41.90	41.69
MW-13	46.13	5.26	4.82	5.10	5.28	40.87	41.31	41.03	40.85
MW-14	44.62	3.89	3.55	3.71	3.83	40.73	41.07	40.91	40.79
SW-01	43.34	NM	3.00	3.20	3.10	NM	40.34	40.14	40.24

Notes:
NM = Not measured.
MP = Measuring point.

TABLE 2-4

GROUNDWATER QUALITY PARAMETERS MEASURED PRIOR TO SAMPLING - JANUARY 2008
ARROWWOOD HOUSING SITES
NAVAL SUBMARINE BASE NEW LONDON
GROTON, CONNECTICUT

Well ID	Sampling Date	Sampling Time	Depth to Water (ft BTOR)	Temperature (ºC)	Specific Conductance (µS/cm)	pH	Eh (mV)	Dissolved Oxygen (mg/L)	Turbidity (NTU)
MW-14	01/10/08	1110	3.88	11.48	304	6.05	79.2	0.44	0.65
MW-101	01/08/08	1030	13.56	12.64	222	5.59	66.3	0.34	0.00
MW-102	01/08/08	1105	12.95	13.43	329	5.87	4.20	0.42	2.83
MW-103	01/08/08	1140	11.25	13.14	224	5.53	134.6	1.57	0.55
MW-104	01/08/08	1310	3.99	10.20	241	5.61	84.4	0.99	0.77
MW-201	01/08/08	1430	7.19	12.24	241	5.77	126.3	1.38	3.00
MW-202	01/11/08	1330	5.92	9.84	303	6.10	-48.4	2.40	14.6
MW-301	01/10/08	1030	8.86	11.19	329	0.52	44.0	0.51	0.88
MW-302	01/08/08	1735	5.00	9.33	269	5.99	37.1	0.45	4.00
MW-303	01/08/08	1620	5.51	10.28	356	6.19	-132.4	0.38	9.30
MW-304	01/08/08	1635	5.35	11.64	294	6.20	26.2	0.25	1.10
MW-305	01/10/08	0930	3.78	11.78	276	5.97	87.4	0.49	0.90
MW-401	01/09/08	0955	6.90	11.23	246	5.64	47.6	1.04	1.20
MW-402	01/09/08	1135	7.02	11.23	245	6.08	-17.9	0.75	450
MW-403	01/09/08	1610	7.46	10.59	616	6.50	-126.8	0.41	3.30
MW-404	01/09/08	1650	5.85	10.86	211	6.31	-85.9	0.30	13.0
PZ-203	01/11/08	1200	0.90	6.23	55	6.09	72.2	13.28	16.0
SW-01	01/08/08	1030	13.56	12.64	222	5.59	66.3	0.34	0.00

Notes:
°C = Degrees Celcius
µS/cm = microSiemens/centimeter
ppth = Parts per thousand
mg/L = Milligrams per liter
Eh = Redox Potential
mV = Millivolts
NTU = Nephelometric turbidity units

TABLE 2-5

GROUNDWATER QUALITY PARAMETERS MEASURED PRIOR TO SAMPLING - MARCH 2008
ARROWWOOD HOUSING SITES
NAVAL SUBMARINE BASE NEW LONDON
GROTON, CONNECTICUT

Well ID	Sampling Date	Sampling Time	Depth to Water (ft BTOR)	Temperature (ºC)	Specific Conductance (µS/cm)	pH	Eh (mV)	Dissolved Oxygen (mg/L)	Turbidity (NTU)
MW-14	03/25/08	1245	3.60	9.83	380	6.10	192.9	3.50	0.01
MW-101	03/24/08	1630	11.86	9.93	452	5.69	319.5	7.00	4.51
MW-102	03/24/08	1630	11.65	10.29	346	6.06	84.0	0.82	1.53
MW-103	03/25/08	1025	10.06	9.97	317	5.47	172.0	1.08	0.93
MW-104	03/25/08	1040	2.57	7.58	104	5.72	193.6	25.70	0.31
MW-201	03/25/08	1240	6.55	10.14	332	5.76	291.8	3.43	0.97
MW-202	03/25/08	1435	5.73	8.75	503	6.18	0.9	0.23	3.58
MW-301	03/26/08	1120	6.92	9.70	469	5.70	232.8	1.62	0.40
MW-302	03/26/08	1405	3.55	9.40	458	5.75	193.0	3.19	0.29
MW-303	03/26/08	1600	4.67	8.54	539	6.21	-144.4	6.52	0.31
MW-304	03/25/08	1520	4.90	9.95	446	6.09	109.7	3.90	0.0
MW-305	03/25/08	1730	3.28	9.40	464	5.96	199.2	0.56	18.5
MW-401	03/26/08	1120	6.10	9.89	376	5.62	168.9	2.12	2.81
MW-402	03/26/08	1615	6.28	8.70	389	6.07	62.3	1.02	11.7
MW-403	03/27/08	1100	5.75	7.92	616	7.13	117.4	1.22	0.56
MW-404	03/27/08	1420	5.35	8.33	304	6.33	5.6	0.58	24.9
PZ-203*	03/27/08	1445	0.74	7.97	186	6.54	37.6	7.96	122
SW-01*	03/27/08	1150	3.70	7.93	372	5.90	35.6	4.30	57.5

Notes:
°C = Degrees Celcius
µS/cm = microSiemens/centimeter
ppth = Parts per thousand
mg/L = Milligrams per liter
Eh = Redox Potential
mV = Millivolts
NTU = Nephelometric turbidity units
NM = Not measured.
*Stablization could not be achieved due to limited recharge.

TABLE 2-6

GROUNDWATER QUALITY PARAMETERS MEASURED PRIOR TO SAMPLING - JUNE 2008
ARROWWOOD HOUSING SITES
NAVAL SUBMARINE BASE NEW LONDON
GROTON, CONNECTICUT

Well ID	Sampling Date	Sampling Time	Depth to Water (ft BTOR)	Temperature (ºC)	Specific Conductance (µS/cm)	pH	Eh (mV)	Dissolved Oxygen (mg/L)	Turbidity (NTU)
MW-14	06/10/08	1155	3.77	12.18	384	6.62	108.7	0.38	0.0
MW-101	06/10/08	930	12.95	14.81	293	5.61	225.6	1.07	1.8
MW-102	06/09/08	1600	12.40	16.45	223	5.82	110.9	0.82	3.9
MW-103	06/09/08	1430	10.80	16.62	266	5.54	195.0	2.24	2.3
MW-104	06/09/08	1225	3.40	17.26	106	5.36	205.6	4.41	2.0
MW-201	06/10/08	1050	7.10	17.31	287	5.59	190.7	0.87	1.1
MW-202	06/10/08	1010	6.11	15.07	516	6.51	12.4	0.49	4.6
MW-301	06/11/08	1030	8.61	13.78	460	6.99	-11.8	0.28	0.0
MW-302	06/11/08	1215	4.95	16.24	316	6.10	-36.5	0.43	16.0
MW-303	06/11/08	1050	5.48	14.63	407	6.12	-109.4	0.47	2.2
MW-304	06/10/08	1200	5.22	16.97	369	5.97	92.5	0.30	1.3
MW-305	06/10/08	1340	3.95	16.57	370	5.88	150.0	0.37	8.5
MW-401	06/11/08	930	7.20	14.05	322	5.57	156.6	2.60	0.6
MW-402	06/09/08	1645	7.35	14.95	479	6.71	-66.7	0.88	50
MW-403	06/09/08	1450	7.14	16.22	195	7.22	-71.0	0.34	1.9
MW-404	06/09/08	1305	6.03	13.70	348	7.49	-104.7	0.20	170
PZ-203*	06/10/08	1630	0.81	16.44	201	7.03	-38.4	8.66	50
SW-01**	06/10/08	1610	2.94	16.82	382	6.24	-27.7	3.84	150

Notes:
°C = Degrees Celcius
µS/cm = microSiemens/centimeter
ppth = Parts per thousand
mg/L = Milligrams per liter
Eh = Redox Potential
mV = Millivolts
NTU = Nephelometric turbidity units
NM = Not measured
*Stablization could not be achieved due to limited recharge. Multi-day sampling required due to limited recharge. ETPH sample collected 6/11/08.
**Stablization could not be achieved due to limited recharge. Multi-day sampling required due to limited recharge. VOC sample collected 6/11/08.

TABLE 2-7

GROUNDWATER QUALITY PARAMETERS MEASURED PRIOR TO SAMPLING - SEPTEMBER 2008
ARROWWOOD HOUSING SITES
NAVAL SUBMARINE BASE NEW LONDON
GROTON, CONNECTICUT

Well ID	Sampling Date	Sampling Time	Depth to Water (ft BTOR)	Temperature (ºC)	Specific Conductance (µS/cm)	pH	Eh (mV)	Dissolved Oxygen (mg/L)	Turbidity (NTU)
MW-14	09/09/08	1155	3.91	15.88	396	6.07	168.7	0.37	0.0
MW-101	09/10/08	1015	13.07	17.87	321	5.36	360.4	1.83	1.6
MW-102	09/10/08	1130	12.52	16.28	248	5.53	126.4	0.48	3.6
MW-103	09/10/08	1800	10.91	17.51	318	5.19	410.4	1.97	3.0
MW-104	09/10/08	1630	3.51	19.32	139	5.01	347.6	0.64	2.0
MW-201	09/08/08	1645	7.33	20.70	335	5.36	297.0	0.48	4.2
MW-202	09/08/08	1650	6.30	17.87	281	6.03	-2.2	0.28	2.1
MW-301	09/09/08	945	9.91	18.06	434	5.32	230.1	0.58	0.0
MW-302	09/09/08	1110	6.25	19.60	362	5.83	102.0	0.59	15
MW-303	09/09/08	1210	5.89	18.74	468	5.84	29.6	0.63	3.4
MW-304	09/10/08	1755	5.42	21.54	410	6.26	103.8	0.09	11
MW-305	09/10/08	1655	4.39	19.51	428	6.19	151.8	0.14	4.5
MW-401	09/10/08	1030	7.37	19.05	363	5.88	147.3	0.80	1.9
MW-402	09/10/08	1215	7.68	18.63	521	6.07	-27.6	0.40	110
MW-403	09/10/08	1410	8.90	19.90	190	6.53	-39.2	0.38	2.2
MW-404	09/10/08	1525	6.35	18.61	180	6.35	-22.8	0.05	22
PZ-203*	09/09/08	1415	0.85	18.55	114	6.94	-43.5	8.10	50
SW-01*	09/09/08	0920	3.00	18.29	371	6.48	2.8	6.20	90

Notes:
°C = Degrees Celcius
µS/cm = microSiemens/centimeter
ppth = Parts per thousand
mg/L = Milligrams per liter
Eh = Redox Potential
mV = Millivolts
NTU = Nephelometric turbidity units
NM = Not measured.
*Stablization could not be achieved due to limited recharge.

TABLE 3-1

SUMMARY OF FIELD DUPLICATE RESULTS FROM 2008 SAMPLING ROUNDS
ARROWWOOD HOUSING SITES
NAVAL SUBMARINE BASE NEW LONDON
GROTON, CONNECTICUT

ROUND 1					
Sample	**Analyte**	**Result (µg/L)**	**Duplicate Result (µg/L)**	**RPD**	**Acceptable Precision?**
PZ-203	ETPH	76U	190	NC	No
MW-14	Isopropylbenzene	3	3	0.00	Yes
	Naphthalene	0.7J	0.6J	NC	Yes
	o-Xylene	0.4J	1U	NC	Yes
	Total xylenes	0.4J	3U	NC	Yes
	ETPH	170	180	5.71	Yes
MW-402	Isopropylbenzene	2	2	0.00	Yes
	Naphthalene	6	6	0.00	Yes
	o-Xylene	0.7J	0.7J	NC	Yes
	Total xylenes	0.7J	0.7J	NC	Yes
	ETPH	840	740	12.66	Yes
ROUND 2					
Sample	**Analyte**	**Result (µg/L)**	**Duplicate Result (µg/L)**	**RPD**	**Acceptable Precision?**
MW-402	Ethylbenzene	0.7J	0.5J	NC	Yes
	Isopropylbenzene	1	8	155.56	No
	m+p-Xylenes	2U	1J	NC	Yes
	Naphthalene	5	22	125.93	No
	o-Xylene	0.5J	1	66.67	No
	Total xylenes	0.5J	2J	NC	Yes
	ETPH	480	1700	111.93	No
MW-403	Naphthalene	0.6J	0.5J	NC	Yes
	ETPH	160	140	13.33	Yes
SW-01	Isopropylbenzene	0.7J	0.6J	NC	Yes
	ETPH	230	170	30.00	Yes
ROUND 3					
Sample	**Analyte**	**Result (µg/L)**	**Duplicate Result (µg/L)**	**RPD**	**Acceptable Precision?**
MW-101	ETPH	44J	75U	NC	Yes
MW-401	ETPH	77U	43J	NC	Yes
SW-01	Isopropylbenzene	1U	3	NC	No
	ETPH	200	230	13.95	Yes

TABLE 3-1

SUMMARY OF FIELD DUPLICATE RESULTS FROM 2008 SAMPLING ROUNDS
ARROWWOOD HOUSING SITES
NAVAL SUBMARINE BASE NEW LONDON
GROTON, CONNECTICUT

ROUND 4					
Sample	**Analyte**	**Result (µg/L)**	**Duplicate Result (µg/L)**	**RPD**	**Acceptable Precision?**
MW-102	Isopropylbenzene	1	0.8J	22.22	Yes
	Naphthalene	7	5	33.33	No
	ETPH	190	180	5.41	Yes
MW-201	Toluene	1U	7	NC	No
	ETPH	72U	140	NC	Yes
SW-01	Toluene	18	1U	NC	No
	ETPH	180	73U	NC	No

Notes:
NC = Not calculated.
RPD = Relative percent difference

TABLE 3-2

ANALYTICAL RESULTS - JANUARY 2008
ARROWWOOD HOUSING SITES
NSB NEW LONDON
GROTON, CONNECTICUT

PARAMETER	LOCATION ID			AWD-MW101	AWD-MW102	AWD-MW103	AWD-MW104	AWD-MW201	AWD-MW202
	SAMPLE DATE			01/08/08	01/08/08	01/08/08	01/08/08	01/08/08	01/11/08
	QC IDENTIFIER								
	METHOD	GWPC	RES VC						
VOLATILES (UG/L)									
BENZENE	8260	1	130	1 U	1 U	1 U	1 U	1 U	1 U
ETHYLBENZENE	8260	700	2700	1 U	1 U	1 U	1 U	1 U	0.6 J
ISOPROPYLBENZENE	8260	30	2800	1 U	3	1 U	1 U	1 U	1
M+P-XYLENES	8260			2 U	2 U	2 U	2 U	2 U	2 U
METHYL TERT-BUTYL ETHER	8260	100	21000	1 U	1 U	1 U	1 U	1 U	1 U
NAPHTHALENE	8260	280		1 U	0.8 J	1 U	1 U	1 U	1 U
O-XYLENE	8260			1 U	1 U	1 U	1 U	1 U	1 U
TOLUENE	8260	1000	7100	1 U	1 U	1 U	1 U	1 U	1 U
TOTAL XYLENES	8260	530	8700	3 U	3 U	3 U	3 U	3 U	3 U
EXTRACTABLE TOTAL PETROLEUM HYDROCARBONS (UG/L)									
ETPH	CT ETPH	100		75 U	250	140	75 U	75 U	2700

Notes:
UG/L = Micrograms per liter
GWPC = CTDEP RSR Groundwater Protection Criteria
RES VC = CTDEP RSR Residential Volatilization Criteria

BLACK SHADING - CRITERIA EXCEEDED; GREY SHADING - DETECTED; U - NOT DETECTED; UJ - DETECTION LIMIT APPROXIMATE;
J - QUANTITATION LIMIT APPROXIMATE; R - REJECTED

TABLE 3-2

ANALYTICAL RESULTS - JANUARY 2008
ARROWWOOD HOUSING SITES
NSB NEW LONDON
GROTON, CONNECTICUT

PARAMETER	LOCATION ID			AWD-MW301	AWD-MW302	AWD-MW303	AWD-MW304	AWD-MW305	AWD-MW14
	SAMPLE DATE			01/10/08	01/08/08	01/08/08	01/08/08	01/10/08	01/10/08
	QC IDENTIFIER								DUPLICATE
	METHOD	GWPC	RES VC						
VOLATILES (UG/L)									
BENZENE	8260	1	130	1 U	1 U	1 U	1 U	1 U	1 U
ETHYLBENZENE	8260	700	2700	1 U	1 U	0.5 J	1 U	1 U	1 U
ISOPROPYLBENZENE	8260	30	2800	1 U	1 U	9	2	1 U	3
M+P-XYLENES	8260			2 U	2 U	1 J	2 U	2 U	2 U
METHYL TERT-BUTYL ETHER	8260	100	21000	1 U	1 U	1 U	1 U	1 U	1 U
NAPHTHALENE	8260	280		1 U	1 U	19	1 U	1 U	0.7 J
O-XYLENE	8260			1 U	1 U	1	1 U	1 U	0.4 J
TOLUENE	8260	1000	7100	1 U	1 U	1 U	1 U	1 U	1 U
TOTAL XYLENES	8260	530	8700	3 U	3 U	3 J	3 U	3 U	0.4 J
EXTRACTABLE TOTAL PETROLEUM HYDROCARBONS (UG/L)									
ETPH	CT ETPH	100		53 J	290	1700	330	84	170

Notes:
UG/L = Micrograms per liter
GWPC = CTDEP RSR Groundwater Protection Criteria
RES VC = CTDEP RSR Residential Volatilization Criteria

BLACK SHADING - CRITERIA EXCEEDED; GREY SHADING - DETECTED; U - NOT DETECTED; UJ - DETECTION LIMIT APPROXIMATE;
J - QUANTITATION LIMIT APPROXIMATE; R - REJECTED

TABLE 3-2

ANALYTICAL RESULTS - JANUARY 2008
ARROWWOOD HOUSING SITES
NSB NEW LONDON
GROTON, CONNECTICUT

PARAMETER	LOCATION ID			AWD-MW14	AWD-MW401	AWD-MW402	AWD-MW402	AWD-MW403	AWD-MW404
	SAMPLE DATE			01/10/08	01/09/08	01/09/08	01/09/08	01/09/08	01/09/08
	QC IDENTIFIER			DUPLICATE		DUPLICATE	DUPLICATE		
	METHOD	GWPC	RES VC						
VOLATILES (UG/L)									
BENZENE	8260	1	130	1 U	1 U	1 U	1 U	2	1 U
ETHYLBENZENE	8260	700	2700	1 U	1 U	1 U	1 U	28	2
ISOPROPYLBENZENE	8260	30	2800	3	1 U	2	2	10	2
M+P-XYLENES	8260			2 U	2 U	2 U	2 U	10	2 U
METHYL TERT-BUTYL ETHER	8260	100	21000	1 U	1 U	1 U	1 U	1 U	1 U
NAPHTHALENE	8260	280		0.6 J	1 U	6	6	53	2
O-XYLENE	8260			1 U	1 U	0.7 J	0.7 J	6	1 U
TOLUENE	8260	1000	7100	1 U	1 U	1 U	1 U	0.8 J	1 U
TOTAL XYLENES	8260	530	8700	3 U	3 U	0.7 J	0.7 J	16	3 U
EXTRACTABLE TOTAL PETROLEUM HYDROCARBONS (UG/L)									
ETPH	CT ETPH	100		180	75 U	840	740	1200	120

Notes:
UG/L = Micrograms per liter
GWPC = CTDEP RSR Groundwater Protection Criteria
RES VC = CTDEP RSR Residential Volatilization Criteria

BLACK SHADING - CRITERIA EXCEEDED; GREY SHADING - DETECTED; U - NOT DETECTED; UJ - DETECTION LIMIT APPROXIMATE;
J - QUANTITATION LIMIT APPROXIMATE; R - REJECTED

TABLE 3-3

ANALYTICAL RESULTS - MARCH 2008
ARROWWOOD HOUSING SITES
NSB NEW LONDON
GROTON, CONNECTICUT

PARAMETER	LOCATION ID			AWD-MW101	AWD-MW102	AWD-MW103	AWD-MW104	AWD-MW201	AWD-MW202
	SAMPLE DATE			03/24/08	03/24/08	03/25/08	03/25/08	03/25/08	03/25/08
	QC IDENTIFIER								
	METHOD	GWPC	RES VC						
VOLATILES (UG/L)									
BENZENE	8260	1	130	1 U	1 U	1 U	1 U	1 U	1 U
ETHYLBENZENE	8260	700	2700	1 U	1 U	1 U	1 U	1 U	0.8 J
ISOPROPYLBENZENE	8260	30	2800	1 U	1 U	1 U	1 U	1 U	2
M+P-XYLENES	8260			2 U	2 U	2 U	2 U	2 U	2 U
METHYL TERT-BUTYL ETHER	8260	100	21000	1 U	1 U	1 U	1 U	1 U	1 U
NAPHTHALENE	8260	280		1 U	0.4 J	1 U	1 U	1 U	1 U
O-XYLENE	8260			1 U	1 U	1 U	1 U	1 U	1 U
TOLUENE	8260	1000	7100	1 U	1 U	1 U	1 U	1 U	1 U
TOTAL XYLENES	8260	530	8700	3 U	3 U	3 U	3 U	3 U	3 U
EXTRACTABLE TOTAL PETROLEUM HYDROCARBONS (UG/L)									
ETPH	CT ETPH	100		75 U	130	78 U	75 U	75 U	390

Notes:
UG/L = Micrograms per liter
GWPC = CTDEP RSR Groundwater Protection Criteria
RES VC = CTDEP RSR Residential Volatilization Criteria

BLACK SHADING - CRITERIA EXCEEDED; GREY SHADING - DETECTED; U - NOT DETECTED; UJ - DETECTION LIMIT APPROXIMATE;
J - QUANTITATION LIMIT APPROXIMATE; R - REJECTED

TABLE 3-3

ANALYTICAL RESULTS - MARCH 2008
ARROWWOOD HOUSING SITES
NSB NEW LONDON
GROTON, CONNECTICUT

PARAMETER	LOCATION ID			AWD-MW301	AWD-MW302	AWD-MW303	AWD-MW304	AWD-MW305	AWD-MW14
	SAMPLE DATE			03/26/08	03/26/08	03/26/08	03/25/08	03/25/08	03/25/08
	QC IDENTIFIER								
	METHOD	GWPC	RES VC						
VOLATILES (UG/L)									
BENZENE	8260	1	130	1 U	1 U	1 U	1 U	1 U	1 U
ETHYLBENZENE	8260	700	2700	1 U	1 U	0.5 J	1 U	1 U	1 U
ISOPROPYLBENZENE	8260	30	2800	1 U	1 U	8	0.8 J	1 U	3
M+P-XYLENES	8260			2 U	2 U	1 J	2 U	2 U	2 U
METHYL TERT-BUTYL ETHER	8260	100	21000	1 U	1 U	1 U	1 U	1 U	1 U
NAPHTHALENE	8260	280		1 U	1 U	23	1 U	1 U	0.6 J
O-XYLENE	8260			1 U	1 U	1	1 U	1 U	1 U
TOLUENE	8260	1000	7100	1 U	1 U	1 U	1 U	1 U	1 U
TOTAL XYLENES	8260	530	8700	3 U	3 U	2 J	3 U	3 U	3 U
EXTRACTABLE TOTAL PETROLEUM HYDROCARBONS (UG/L)									
ETPH	CT ETPH	100		89	110	1700	290	52 J	240

Notes:
UG/L = Micrograms per liter
GWPC = CTDEP RSR Groundwater Protection Criteria
RES VC = CTDEP RSR Residential Volatilization Criteria

BLACK SHADING - CRITERIA EXCEEDED; GREY SHADING - DETECTED; U - NOT DETECTED; UJ - DETECTION LIMIT APPROXIMATE;
J - QUANTITATION LIMIT APPROXIMATE; R - REJECTED

TABLE 3-3

ANALYTICAL RESULTS - MARCH 2008
ARROWWOOD HOUSING SITES
NSB NEW LONDON
GROTON, CONNECTICUT

PARAMETER	LOCATION ID			AWD-MW401	AWD-MW402	AWD-MW402	AWD-MW403	AWD-MW403	AWD-MW404
	SAMPLE DATE			03/26/08	03/26/08	03/26/08	03/27/08	03/27/08	03/27/08
	QC IDENTIFIER				DUPLICATE	DUPLICATE	DUPLICATE	DUPLICATE	
	METHOD	GWPC	RES VC						
VOLATILES (UG/L)									
BENZENE	8260	1	130	1 U	1 U	1 U	1 U	1 U	1 U
ETHYLBENZENE	8260	700	2700	1 U	0.7 J	0.5 J	1 U	1 U	5
ISOPROPYLBENZENE	8260	30	2800	1 U	1	8	1 U	1 U	4
M+P-XYLENES	8260			2 U	2 U	1 J	2 U	2 U	2 U
METHYL TERT-BUTYL ETHER	8260	100	21000	1 U	1 U	1 U	1 U	1 U	1 U
NAPHTHALENE	8260	280		1 U	5	22	0.6 J	0.5 J	2
O-XYLENE	8260			1 U	0.5 J	1	1 U	1 U	1 U
TOLUENE	8260	1000	7100	1 U	1 U	1 U	1 U	1 U	1 U
TOTAL XYLENES	8260	530	8700	3 U	0.5 J	2 J	3 U	3 U	3 U
EXTRACTABLE TOTAL PETROLEUM HYDROCARBONS (UG/L)									
ETPH	CT ETPH	100		75 U	480	1700	160	140	260

Notes:
UG/L = Micrograms per liter
GWPC = CTDEP RSR Groundwater Protection Criteria
RES VC = CTDEP RSR Residential Volatilization Criteria

BLACK SHADING - CRITERIA EXCEEDED; GREY SHADING - DETECTED; U - NOT DETECTED; UJ - DETECTION LIMIT APPROXIMATE;
J - QUANTITATION LIMIT APPROXIMATE; R - REJECTED

TABLE 3-4

ANALYTICAL RESULTS - JUNE 2008
ARROWWOOD HOUSING SITES
NSB NEW LONDON
GROTON, CONNECTICUT

PARAMETER	LOCATION ID			AWD-MW101	AWD-MW101	AWD-MW102	AWD-MW103	AWD-MW104	AWD-MW201
	SAMPLE DATE			06/10/08	06/10/08	06/09/08	06/09/08	06/09/08	06/10/08
	QC IDENTIFIER			DUPLICATE	DUPLICATE				
	METHOD	GWPC	RES VC						
VOLATILES (UG/L)									
BENZENE	8260	1	130	1 U	1 U	1 U	1 U	1 U	1 U
ETHYLBENZENE	8260	700	2700	1 U	1 U	1 U	1 U	1 U	1 U
ISOPROPYLBENZENE	8260	30	2800	1 U	1 U	1 U	1 U	1 U	1 U
M+P-XYLENES	8260			2 U	2 U	2 U	2 U	2 U	2 U
METHYL TERT-BUTYL ETHER	8260	100	21000	1 U	1 U	1 U	1 U	1 U	1 U
NAPHTHALENE	8260	280		1 U	1 U	1 U	1 U	1 U	1 U
O-XYLENE	8260			1 U	1 U	1 U	1 U	1 U	1 U
TOLUENE	8260	1000	7100	1 U	1 U	1 U	1 U	1 U	1 U
TOTAL XYLENES	8260	530	8700	3 U	3 U	3 U	3 U	3 U	3 U
EXTRACTABLE TOTAL PETROLEUM HYDROCARBONS (UG/L)									
ETPH	CT ETPH	100		44 J	75 U	80	55 J	75 U	75 U

Notes:
UG/L = Micrograms per liter
GWPC = CTDEP RSR Groundwater Protection Criteria
RES VC = CTDEP RSR Residential Volatilization Criteria

BLACK SHADING - CRITERIA EXCEEDED; GREY SHADING - DETECTED; U - NOT DETECTED; UJ - DETECTION LIMIT APPROXIMATE;
J - QUANTITATION LIMIT APPROXIMATE; R - REJECTED

TABLE 3-4

ANALYTICAL RESULTS - JUNE 2008
ARROWWOOD HOUSING SITES
NSB NEW LONDON
GROTON, CONNECTICUT

PARAMETER	LOCATION ID			AWD-MW202	AWD-MW301	AWD-MW302	AWD-MW303	AWD-MW304	AWD-MW305
	SAMPLE DATE			06/10/08	06/11/08	06/11/08	06/11/08	06/10/08	06/10/08
	QC IDENTIFIER								
	METHOD	GWPC	RES VC						
VOLATILES (UG/L)									
BENZENE	8260	1	130	1 U	1 U	1 U	1 U	1 U	1 U
ETHYLBENZENE	8260	700	2700	0.4 J	1 U	1 U	0.5 J	1 U	1 U
ISOPROPYLBENZENE	8260	30	2800	1	1 U	1 U	7	0.7 J	1 U
M+P-XYLENES	8260			2 U	2 U	2 U	1 J	2 U	2 U
METHYL TERT-BUTYL ETHER	8260	100	21000	1 U	1 U	1 U	1 U	1 U	1 U
NAPHTHALENE	8260	280		0.5 J	1 U	1 U	21	0.4 J	1 U
O-XYLENE	8260			1 U	1 U	1 U	0.9 J	1 U	1 U
TOLUENE	8260	1000	7100	1 U	1 U	1 U	1 U	1 U	1 U
TOTAL XYLENES	8260	530	8700	3 U	3 U	3 U	2 J	3 U	3 U
EXTRACTABLE TOTAL PETROLEUM HYDROCARBONS (UG/L)									
ETPH	CT ETPH	100		260	90	140	1500	290	100

Notes:
UG/L = Micrograms per liter
GWPC = CTDEP RSR Groundwater Protection Criteria
RES VC = CTDEP RSR Residential Volatilization Criteria

BLACK SHADING - CRITERIA EXCEEDED; GREY SHADING - DETECTED; U - NOT DETECTED; UJ - DETECTION LIMIT APPROXIMATE;
J - QUANTITATION LIMIT APPROXIMATE; R - REJECTED

TABLE 3-4

ANALYTICAL RESULTS - JUNE 2008
ARROWWOOD HOUSING SITES
NSB NEW LONDON
GROTON, CONNECTICUT

PARAMETER	LOCATION ID			AWD-MW14	AWD-MW401	AWD-MW401	AWD-MW402	AWD-MW403	AWD-MW404
	SAMPLE DATE			06/10/08	06/11/08	06/11/08	06/09/08	06/09/08	06/09/08
	QC IDENTIFIER				DUPLICATE	DUPLICATE			
	METHOD	GWPC	RES VC						
VOLATILES (UG/L)									
BENZENE	8260	1	130	1 U	1 U	1 U	1 U	1 U	1 U
ETHYLBENZENE	8260	700	2700	1 U	1 U	1 U	1	0.5 J	3
ISOPROPYLBENZENE	8260	30	2800	2	1 U	1 U	2	1 U	4
M+P-XYLENES	8260			2 U	2 U	2 U	1 J	2 U	2 U
METHYL TERT-BUTYL ETHER	8260	100	21000	1 U	1 U	1 U	1 U	1 U	1 U
NAPHTHALENE	8260	280		0.4 J	1 U	1 U	10	1	0.5 J
O-XYLENE	8260			1 U	1 U	1 U	0.3 J	1 U	1 U
TOLUENE	8260	1000	7100	1 U	1 U	1 U	1 U	1 U	1 U
TOTAL XYLENES	8260	530	8700	3 U	3 U	3 U	1 J	3 U	3 U
EXTRACTABLE TOTAL PETROLEUM HYDROCARBONS (UG/L)									
ETPH	CT ETPH	100		200	77 U	43 J	580	160	320

Notes:
UG/L = Micrograms per liter
GWPC = CTDEP RSR Groundwater Protection Criteria
RES VC = CTDEP RSR Residential Volatilization Criteria

BLACK SHADING - CRITERIA EXCEEDED; GREY SHADING - DETECTED; U - NOT DETECTED; UJ - DETECTION LIMIT APPROXIMATE;
J - QUANTITATION LIMIT APPROXIMATE; R - REJECTED

TABLE 3-5

ANALYTICAL RESULTS - SEPTEMBER 2008
ARROWWOOD HOUSING SITES
NSB NEW LONDON
GROTON, CONNECTICUT

PARAMETER	LOCATION ID			AWD-MW101	AWD-MW102	AWD-MW102	AWD-MW103	AWD-MW104	AWD-MW201
	SAMPLE DATE			09/10/08	09/10/08	09/10/08	09/10/08	09/10/08	09/08/08
	QC IDENTIFIER				DUPLICATE	DUPLICATE			DUPLICATE
	METHOD	GWPC	RES VC						
VOLATILES (UG/L)									
BENZENE	8260	1	130	1 U	1 U	1 U	1 U	1 U	1 U
ETHYLBENZENE	8260	700	2700	1 U	1 U	1 U	1 U	1 U	1 U
ISOPROPYLBENZENE	8260	30	2800	1 U	1	0.8 J	1 U	1 U	1 U
M+P-XYLENES	8260			2 U	2 U	2 U	2 U	2 U	2 U
METHYL TERT-BUTYL ETHER	8260	100	21000	1 U	1 U	1 U	1 U	1 U	1 U
NAPHTHALENE	8260	280		1 U	7	5	1 U	1 U	1 U
O-XYLENE	8260			1 U	1 U	1 U	1 U	1 U	1 U
TOLUENE	8260	1000	7100	1 U	1 U	1 U	1 U	1 U	1 U
TOTAL XYLENES	8260	530	8700	3 U	3 U	3 U	3 U	3 U	3 U
EXTRACTABLE TOTAL PETROLEUM HYDROCARBONS (UG/L)									
ETPH	CT ETPH	100		72 U	190	180	71 U	74 U	72 U

Notes:
UG/L = Micrograms per liter
GWPC = CTDEP RSR Groundwater Protection Criteria
RES VC = CTDEP RSR Residential Volatilization Criteria

BLACK SHADING - CRITERIA EXCEEDED; GREY SHADING - DETECTED; U - NOT DETECTED; UJ - DETECTION LIMIT APPROXIMATE;
J - QUANTITATION LIMIT APPROXIMATE; R - REJECTED

TABLE 3-5

ANALYTICAL RESULTS - SEPTEMBER 2008
ARROWWOOD HOUSING SITES
NSB NEW LONDON
GROTON, CONNECTICUT

PARAMETER	LOCATION ID			AWD-MW201	AWD-MW202	AWD-MW301	AWD-MW302	AWD-MW303	AWD-MW304
	SAMPLE DATE			09/08/08	09/08/08	09/09/08	09/09/08	09/09/08	09/10/08
	QC IDENTIFIER			DUPLICATE					
	METHOD	GWPC	RES VC						
VOLATILES (UG/L)									
BENZENE	8260	1	130	1 U	1 U	1 U	1 U	1 U	1 U
ETHYLBENZENE	8260	700	2700	1 U	1 U	1 U	1 U	0.4 J	1 U
ISOPROPYLBENZENE	8260	30	2800	1 U	0.7 J	1 U	1 U	4	0.4 J
M+P-XYLENES	8260			2 U	2 U	2 U	2 U	2 U	2 U
METHYL TERT-BUTYL ETHER	8260	100	21000	1 U	1 U	1 U	1 U	1 U	1 U
NAPHTHALENE	8260	280		1 U	1 U	1 U	1 U	10	1 U
O-XYLENE	8260			1 U	1 U	1 U	1 U	0.5 J	1 U
TOLUENE	8260	1000	7100	7	1 U	1 U	1 U	1 U	1 U
TOTAL XYLENES	8260	530	8700	3 U	3 U	3 U	3 U	0.5 J	3 U
EXTRACTABLE TOTAL PETROLEUM HYDROCARBONS (UG/L)									
ETPH	CT ETPH	100		140	200	97	76	1400	200

Notes:
UG/L = Micrograms per liter
GWPC = CTDEP RSR Groundwater Protection Criteria
RES VC = CTDEP RSR Residential Volatilization Criteria

BLACK SHADING - CRITERIA EXCEEDED; GREY SHADING - DETECTED; U - NOT DETECTED; UJ - DETECTION LIMIT APPROXIMATE;
J - QUANTITATION LIMIT APPROXIMATE; R - REJECTED

TABLE 3-5

ANALYTICAL RESULTS - SEPTEMBER 2008
ARROWWOOD HOUSING SITES
NSB NEW LONDON
GROTON, CONNECTICUT

PARAMETER	LOCATION ID			AWD-MW305	AWD-MW14	AWD-MW401	AWD-MW402	AWD-MW403	AWD-MW404
	SAMPLE DATE			09/10/08	09/09/08	09/10/08	09/10/08	09/10/08	09/10/08
	QC IDENTIFIER								
	METHOD	GWPC	RES VC						
VOLATILES (UG/L)									
BENZENE	8260	1	130	1 U	1 U	1 U	1 U	1 U	1 U
ETHYLBENZENE	8260	700	2700	1 U	1 U	1 U	1	1 U	1 U
ISOPROPYLBENZENE	8260	30	2800	1 U	2	1 U	2	1 U	1 U
M+P-XYLENES	8260			2 U	2 U	2 U	2 U	2 U	2 U
METHYL TERT-BUTYL ETHER	8260	100	21000	1 U	1 U	1 U	1 U	1 U	1 U
NAPHTHALENE	8260	280		1 U	1 U	1 U	14	1	1 U
O-XYLENE	8260			1 U	1 U	1 U	0.3 J	1 U	1 U
TOLUENE	8260	1000	7100	1 U	1 U	1 U	1 U	2	1 U
TOTAL XYLENES	8260	530	8700	3 U	3 U	3 U	0.3 J	3 U	3 U
EXTRACTABLE TOTAL PETROLEUM HYDROCARBONS (UG/L)									
ETPH	CT ETPH	100		110	120	76 U	750	140	74 U

Notes:

UG/L = Micrograms per liter

GWPC = CTDEP RSR Groundwater Protection Criteria

RES VC = CTDEP RSR Residential Volatilization Criteria

BLACK SHADING - CRITERIA EXCEEDED; GREY SHADING - DETECTED; U - NOT DETECTED; UJ - DETECTION LIMIT APPROXIMATE;
J - QUANTITATION LIMIT APPROXIMATE; R - REJECTED

TABLE 3-6

ANALYTICAL RESULTS - SURFACE WATER SAMPLES
ARROWWOOD HOUSING SITES
NSB NEW LONDON
GROTON, CONNECTICUT

PARAMETER	LOCATION ID			AWD-PZ203	AWD-PZ203	AWD-SW01	AWD-PZ203	AWD-SW01	AWD-SW01
	SAMPLE DATE			01/11/08	01/11/08	01/10/08	03/27/08	03/27/08	03/27/08
	QC IDENTIFIER			DUPLICATE	DUPLICATE			DUPLICATE	DUPLICATE
	METHOD	HH COO	HH COWAO						
VOLATILES (UG/L)									
BENZENE	8260	71	1.2	1 U	1 U	1 U	1 U	1 U	1 U
ETHYLBENZENE	8260	29000	700	1 U	1 U	1 U	1 U	1 U	1 U
ISOPROPYLBENZENE	8260			1 U	1 U	1 U	1 U	0.7 J	0.6 J
M+P-XYLENES	8260			2 U	2 U	2 U	2 U	2 U	2 U
METHYL TERT-BUTYL ETHER	8260			1 U	1 U	1 U	1 U	1 U	1 U
NAPHTHALENE	8260	20513	677	1 U	1 U	1 U	1 U	1 U	1 U
O-XYLENE	8260			1 U	1 U	1 U	1 U	1 U	1 U
TOLUENE	8260	200000	1000	1 U	1 U	1 U	1 U	1 U	1 U
TOTAL XYLENES	8260			3 U	3 U	3 U	3 U	3 U	3 U
EXTRACTABLE TOTAL PETROLEUM HYDROCARBONS (UG/L)									
ETPH	CT ETPH			76 U	190	220	450	230	170

Notes:

UG/L = Micrograms per liter

HH COO = Appendix D Numerical Water Quality Criteria - Human Health Criteria for Consumption of Organisms Only

HH COWAO = Appendix D Numerical Water Quality Criteria - Human Health Criteria for Consumption of Water and Organisms

BLACK SHADING - CRITERIA EXCEEDED; GREY SHADING - DETECTED; U - NOT DETECTED; UJ - DETECTION LIMIT APPROXIMATE;
J - QUANTITATION LIMIT APPROXIMATE; R - REJECTED

TABLE 3-6

ANALYTICAL RESULTS - SURFACE WATER SAMPLES
ARROWWOOD HOUSING SITES
NSB NEW LONDON
GROTON, CONNECTICUT

PARAMETER	LOCATION ID			AWD-PZ203	AWD-SW01	AWD-SW01	AWD-PZ203	AWD-SW01	AWD-SW01
	SAMPLE DATE			06/10/08	06/11/08	06/11/08	09/09/08	09/09/08	09/09/08
	QC IDENTIFIER				DUPLICATE	DUPLICATE		DUPLICATE	DUPLICATE
	METHOD	HH COO	HH COWAO						
VOLATILES (UG/L)									
BENZENE	8260	71	1.2	1 U	1 U	1 U	1 U	1 U	1 U
ETHYLBENZENE	8260	29000	700	1 U	1 U	1 U	1 U	1 U	1 U
ISOPROPYLBENZENE	8260			1 U	1 U	3	1 U	1 U	1 U
M+P-XYLENES	8260			2 U	2 U	2 U	2 U	2 U	2 U
METHYL TERT-BUTYL ETHER	8260			1 U	1 U	1 U	1 U	1 U	1 U
NAPHTHALENE	8260	20513	677	1 U	1 U	1 U	1 U	1 U	1 U
O-XYLENE	8260			1 U	1 U	1 U	1 U	1 U	1 U
TOLUENE	8260	200000	1000	3	1 U	1 U	24	18	1 U
TOTAL XYLENES	8260			3 U	3 U	3 U	3 U	3 U	3 U
EXTRACTABLE TOTAL PETROLEUM HYDROCARBONS (UG/L)									
ETPH	CT ETPH			230	200	230	150	180	73 U

Notes:

UG/L = Micrograms per liter

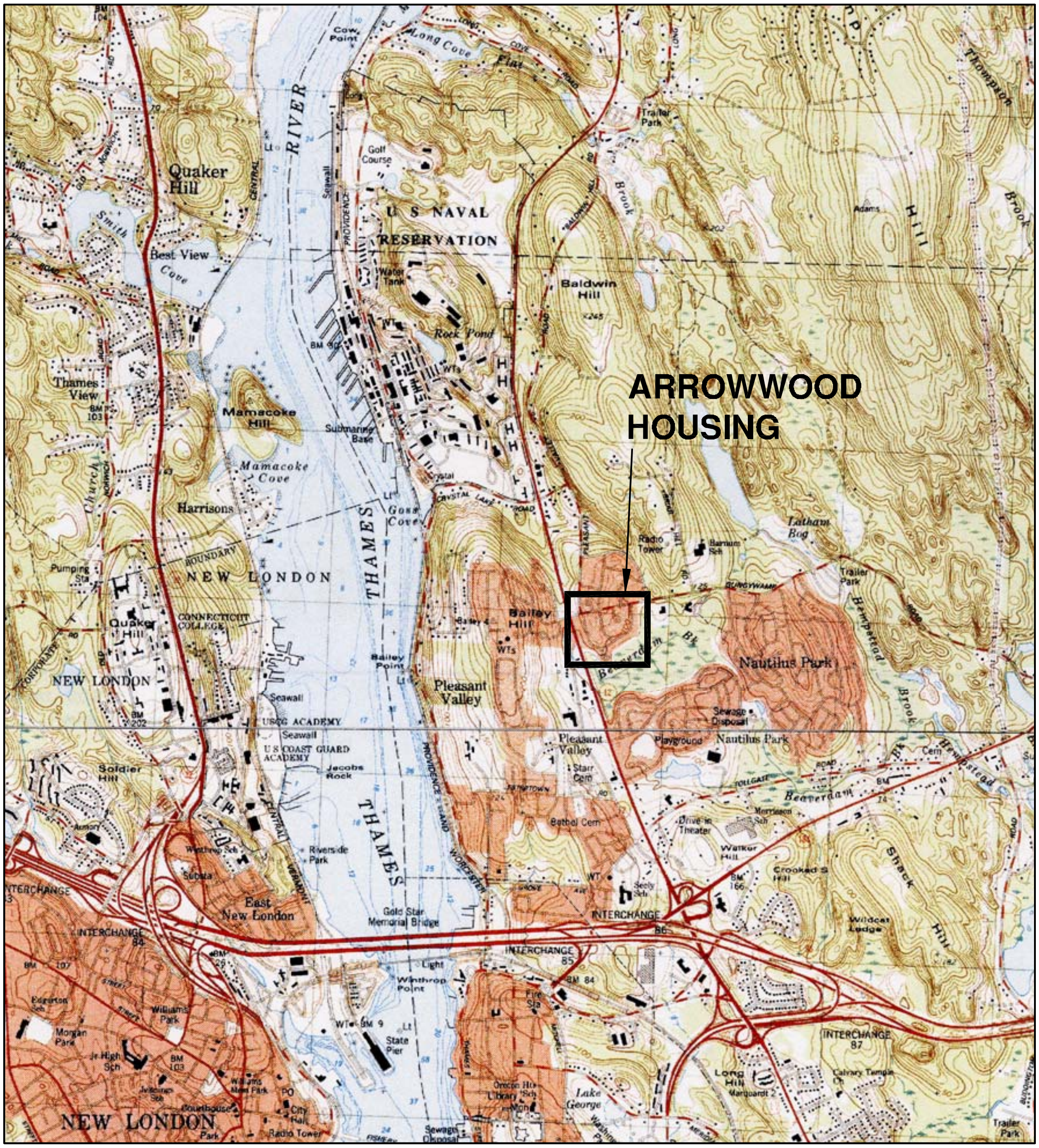
HH COO = Appendix D Numerical Water Quality Criteria - Human Health Cr

HH COWAO = Appendix D Numerical Water Quality Criteria - Human Healtl

BLACK SHADING - CRITERIA EXCEEDED; GREY SHADING - DETECTED; U - NOT DETECTED; UJ - DETECTION LIMIT APPROXIMATE;
J - QUANTITATION LIMIT APPROXIMATE; R - REJECTED

FIGURES

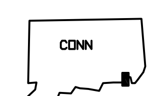
ACAD: \00869\0211\LOCUS.DWG 07/16/07 DWM



BASEMAP: PORTIONS OF THE FOLLOWING U.S.G.S. QUADRANGLE MAPS: NEW LONDON, CONN.–N.Y., 1984 AND UNCASVILLE, CONN., 1984

GRAPHIC SCALE

0 0.5 MILE 1 MILE



QUADRANGLE LOCATION

TETRA TECH, INC.

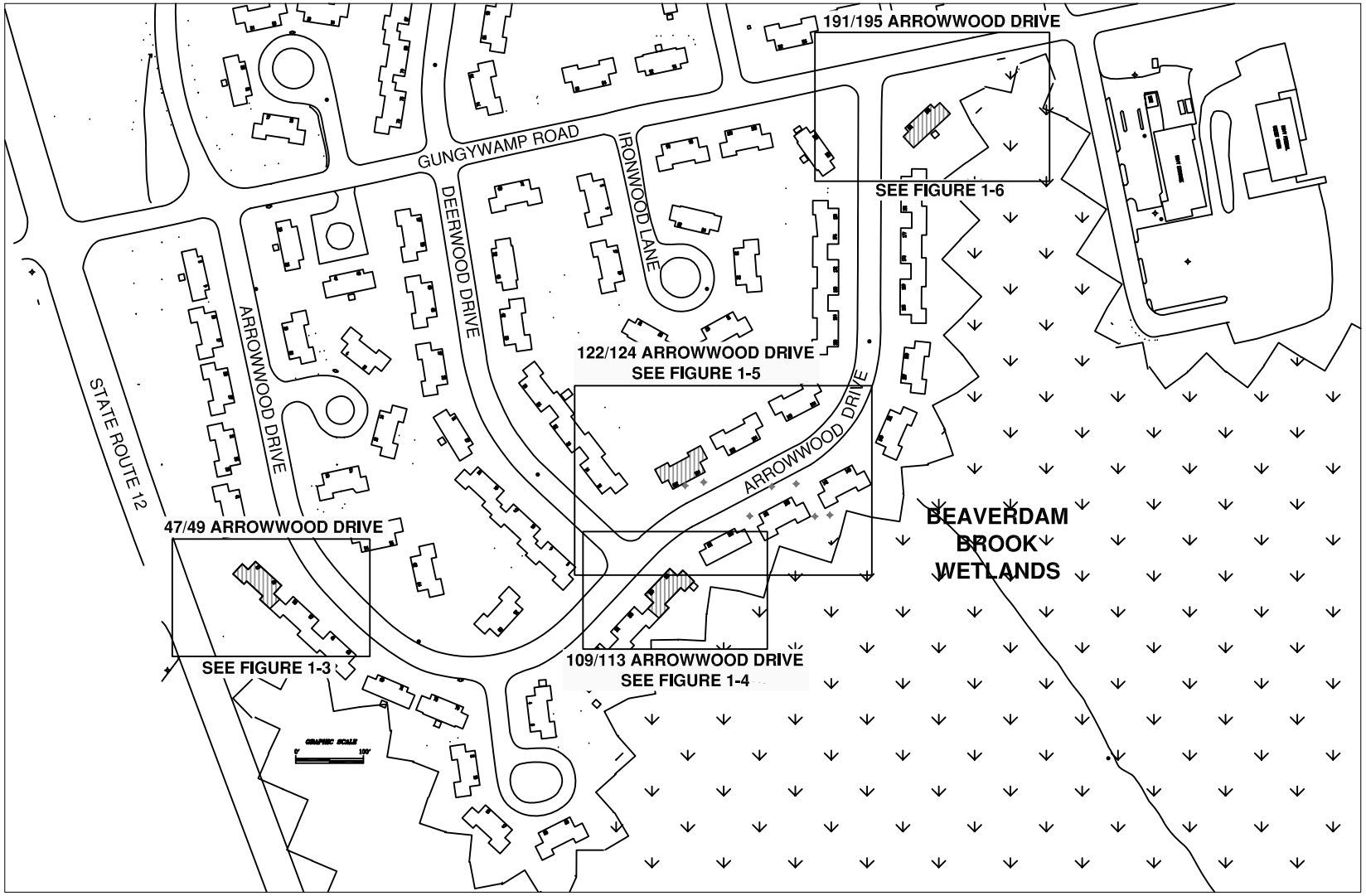
SITE LOCUS

NAVAL SUBMARINE BASE NEW LONDON

GROTON, CONNECTICUT

SCALE	AS NOTED
FILE	\00869\0211\LOCUS.DWG
REV 0	DATE 07/16/07
FIGURE NUMBER	1–1

ACAD: \00869\0420\SITE_MAP.DWG 10/29/08 DWM



LEGEND

TREE LINE (APPROXIMATE)

WETLAND (APPROXIMATE)

TETRA TECH, INC.

FORMER ARROWWOOD DRIVE HOUSING PLAN

NAVAL SUBMARINE BASE NEW LONDON

GROTON, CONNECTICUT

SCALE	AS NOTED
FILE	\..\SITE_MAP.DWG
REV	0
DATE	10/29/08
FIGURE NUMBER	1–2

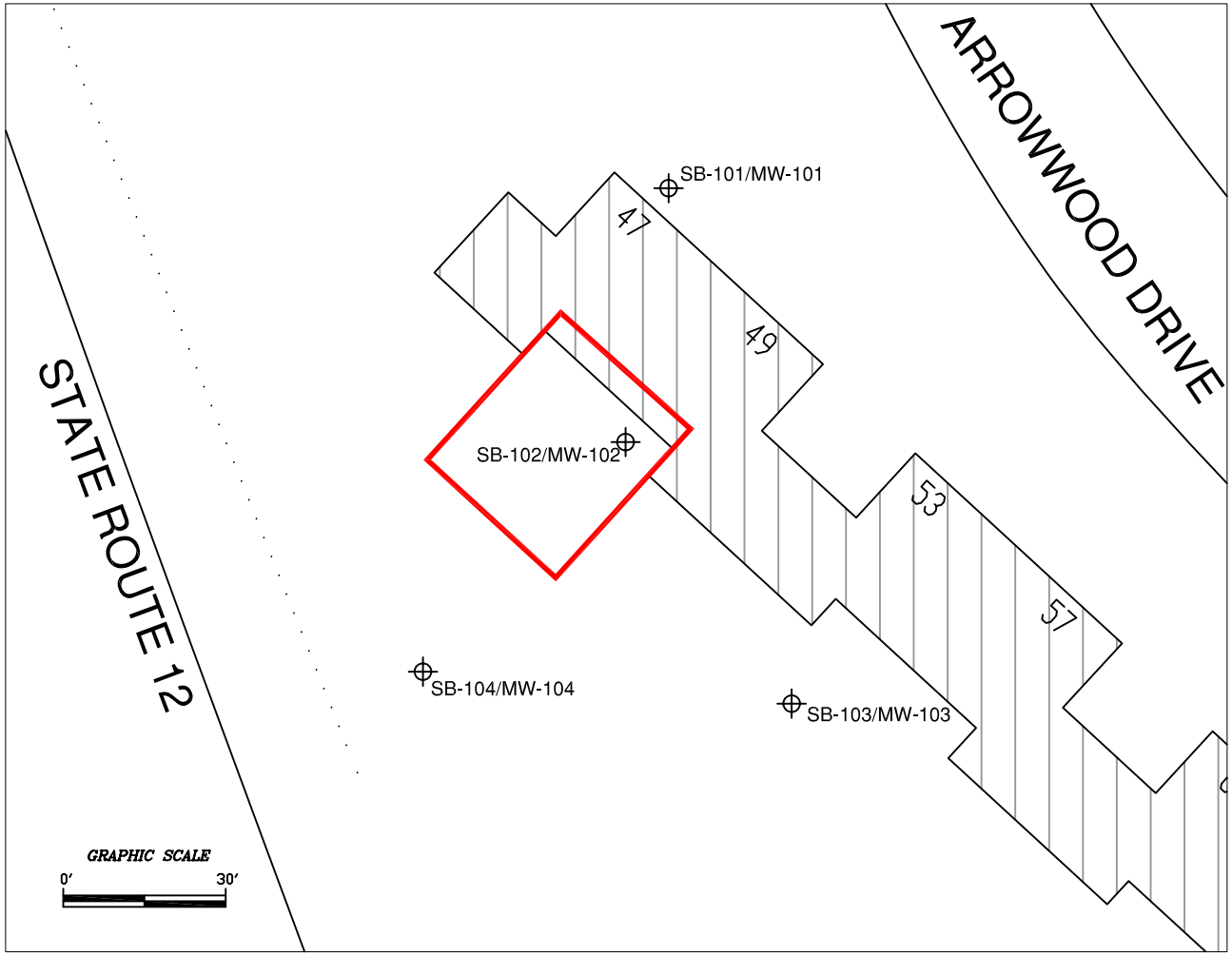
ACAD: \00869\0420\IND_MAP.DWG 10/29/08 DWM

LEGEND

LIMITS OF JUNE 2006 SOIL EXCAVATION

SOIL BORING/ MONITORING WELL LOCATION (NOVEMBER 2007)

DEMOLISHED BUILDING



NOTES:

1. BASE MAP PROVIDED BY NSB NEW LONDON
2. EXCAVATION LIMITS FROM DRAFT PROJECT CLOSEOUT REPORT FOR HOUSING UST REMEDIATION (TtEC, 2006)

TETRA TECH, INC.

FORMER 47/49 ARROWWOOD DRIVE

NAVAL SUBMARINE BASE NEW LONDON

GROTON, CONNECTICUT

SCALE	AS NOTED
FILE	\..\IND_MAP.DWG
REV	0
DATE	10/29/08
FIGURE NUMBER	1-3

ACAD: \00869\0420\IND_MAP.DWG 10/29/08 DWM

LEGEND

LIMITS OF MAY 2006 SOIL EXCAVATION

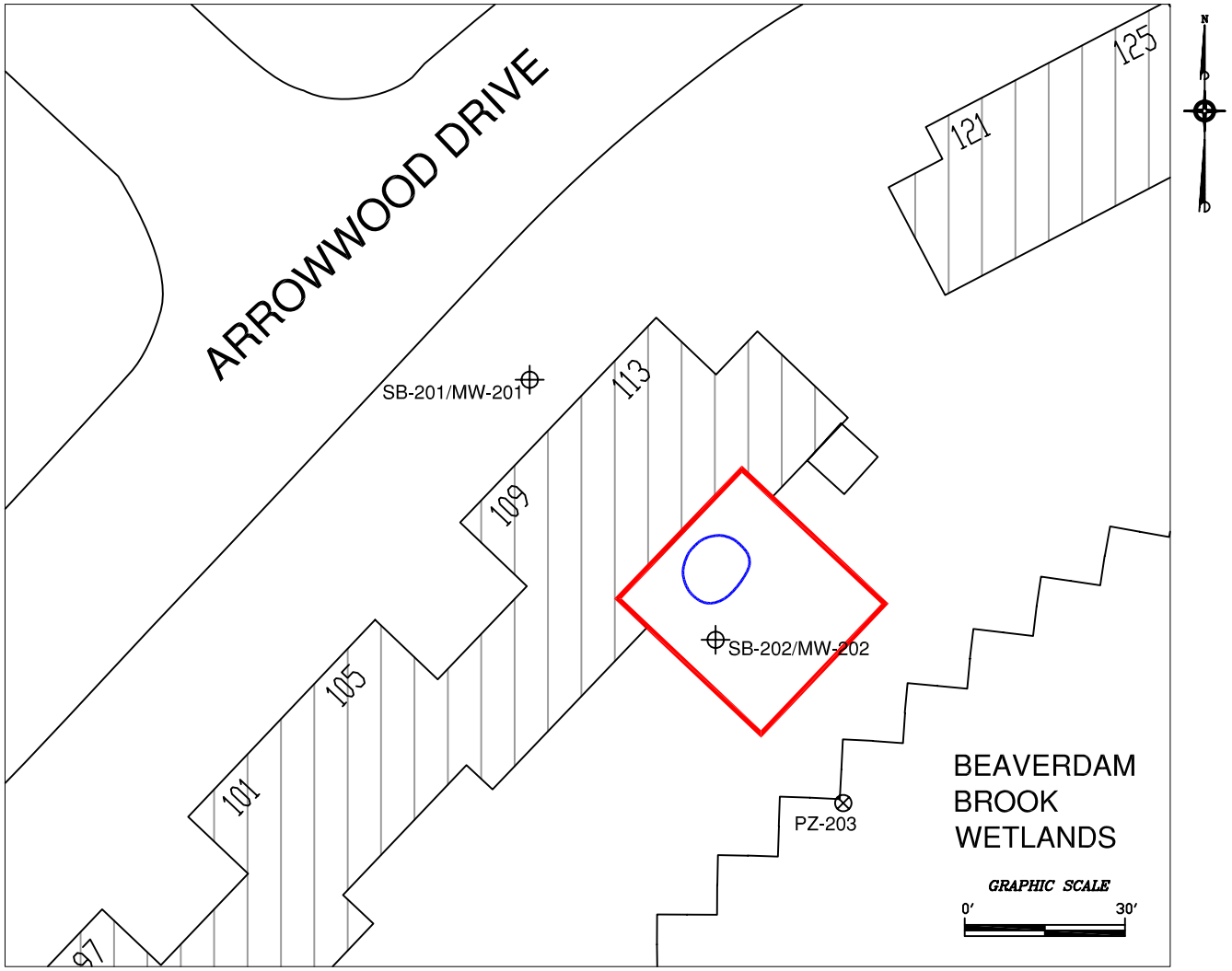
FORMER UST LOCATION

TREE LINE (APPROXIMATE)

SOIL BORING/ MONITORING WELL LOCATION (NOVEMBER 2007)

EXISTING PIEZOMETER/ SURFACE WATER SAMPLING LOCATION

DEMOLISHED BUILDING



NOTES:

1. BASE MAP PROVIDED BY NSB NEW LONDON
2. EXCAVATION LIMITS FROM DRAFT PROJECT CLOSEOUT REPORT FOR HOUSING UST REMEDIATION (TtEC, 2006)

TETRA TECH, INC.

FORMER 109/113 ARROWWOOD DRIVE

NAVAL SUBMARINE BASE NEW LONDON

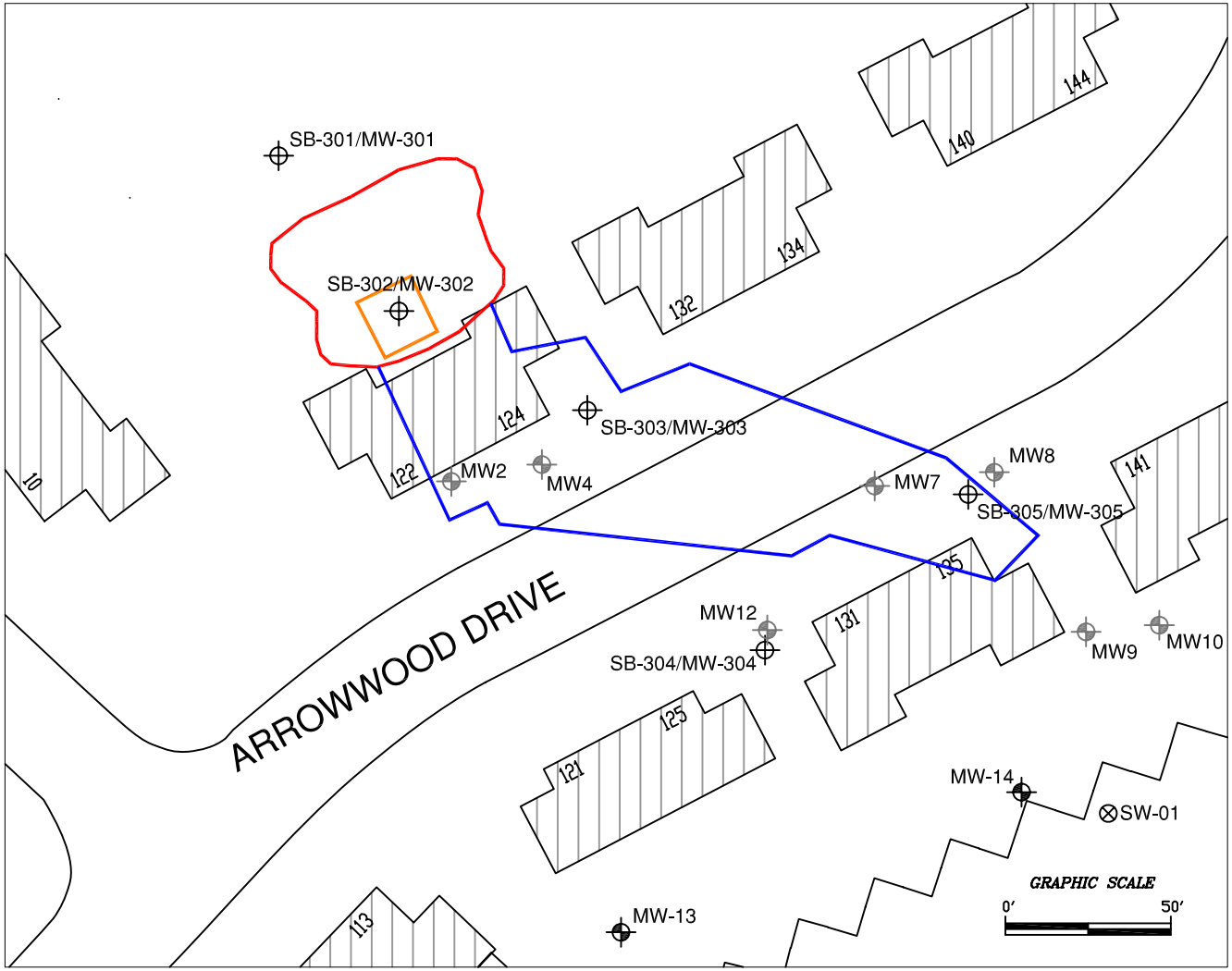
GROTON, CONNECTICUT

SCALE	AS NOTED
FILE	\..\IND_MAP.DWG
REV	0
DATE	10/29/08
FIGURE NUMBER	1–4

ACAD: \00869\0420\IND_MAP.DWG 10/29/08 DWM

LEGEND

- LIMITS OF 2002 SOIL EXCAVATION
- LIMITS OF MAY 2006 SOIL EXCAVATION
- FORMER UST LOCATION
- TREE LINE (APPROXIMATE)
- SOIL BORING/ MONITORING WELL LOCATION (NOVEMBER 2007)
- EXISTING MONITORING WELL LOCATION
- EXISTING PIEZOMETER/ SURFACE WATER SAMPLING LOCATION
- FORMER MONITORING WELL LOCATION
- DEMOLISHED BUILDING



NOTES:

1. BASE MAP PROVIDED BY NSB NEW LONDON
2. EXCAVATION LIMITS FROM DRAFT PROJECT CLOSEOUT REPORT FOR HOUSING UST REMEDIATION (TtEC, 2006)

TETRA TECH, INC.

FORMER 122/124 ARROWWOOD DRIVE

NAVAL SUBMARINE BASE NEW LONDON

GROTON, CONNECTICUT

SCALE	AS NOTED
FILE	\..\IND_MAP.DWG
REV	0
DATE	10/29/08
FIGURE NUMBER	1-5

ACAD: \00869\0420\IND_MAP.DWG 10/29/08 DWM

LEGEND

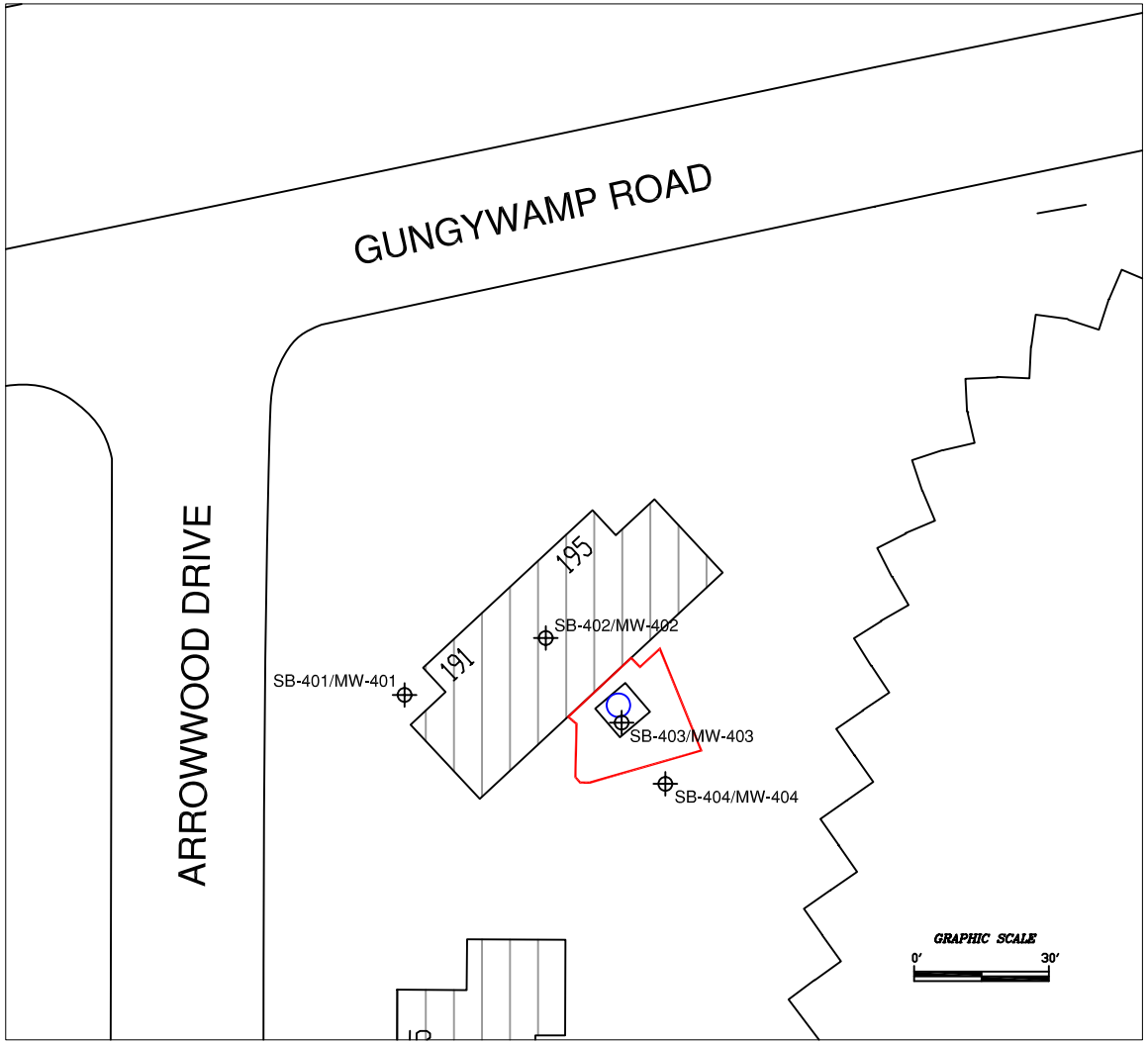
LIMITS OF MAY 2006 SOIL EXCAVATION

FORMER UST LOCATION

TREE LINE (APPROXIMATE)

SOIL BORING/ MONITORING WELL LOCATION (NOVEMBER 2007)

DEMOLISHED BUILDING



NOTES:

1. BASE MAP PROVIDED BY NSB NEW LONDON
2. EXCAVATION LIMITS FROM DRAFT PROJECT CLOSEOUT REPORT FOR HOUSING UST REMEDIATION (TtEC, 2006)

TETRA TECH, INC.

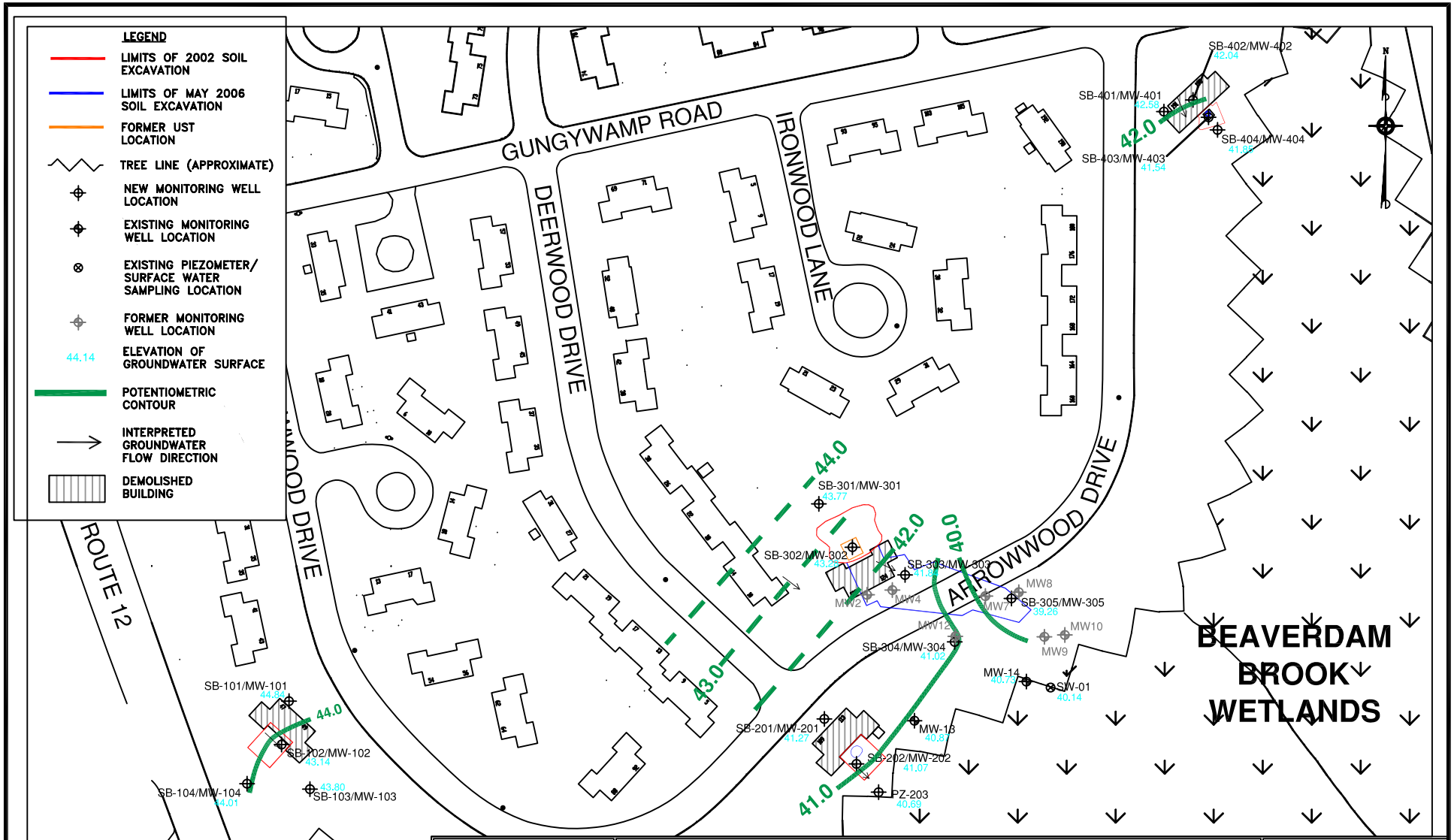
FORMER 191/195 ARROWWOOD DRIVE

NAVAL SUBMARINE BASE NEW LONDON

GROTON, CONNECTICUT

SCALE	AS NOTED
FILE	\..\IND_MAP.DWG
REV	0
DATE	10/29/08
FIGURE NUMBER	1–6

ACAD: \00869\0420\GW_RD1.DWG 10/29/08 DWM

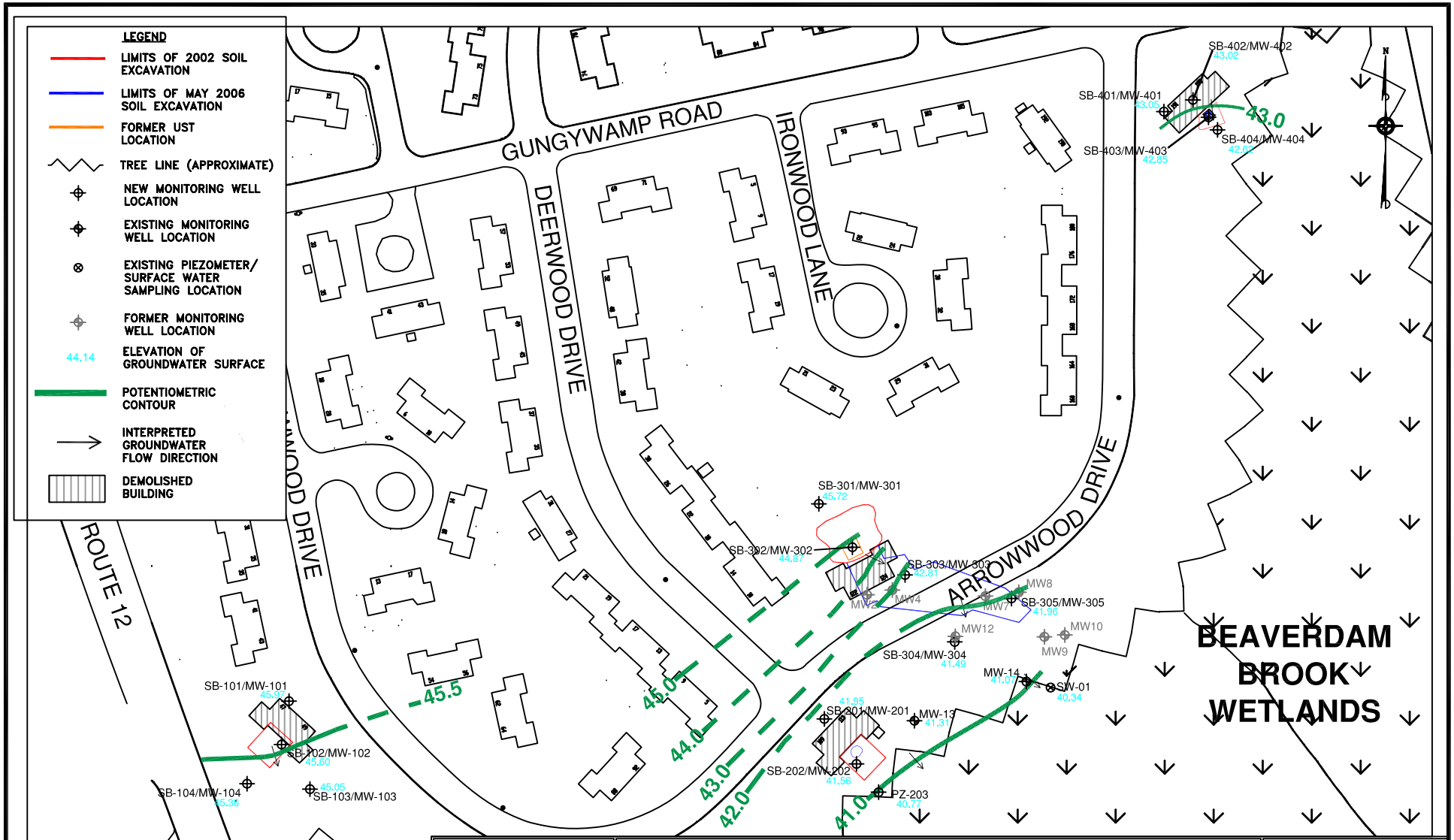


TETRA TECH, INC.

FORMER ARROWWOOD DRIVE
GROUNDWATER SURFACE CONTOURS
7 JANUARY 2008 – ROUND 1
NAVAL SUBMARINE BASE NEW LONDON
GROTON, CONNECTICUT

SCALE	
AS NOTED	
FILE	
\..\GW_RD1.DWG	
REV	DATE
0	10/29/08
FIGURE NUMBER	
2–1	

ACAD: \00869\0420\GW_RD2.DWG 10/30/08 DWM

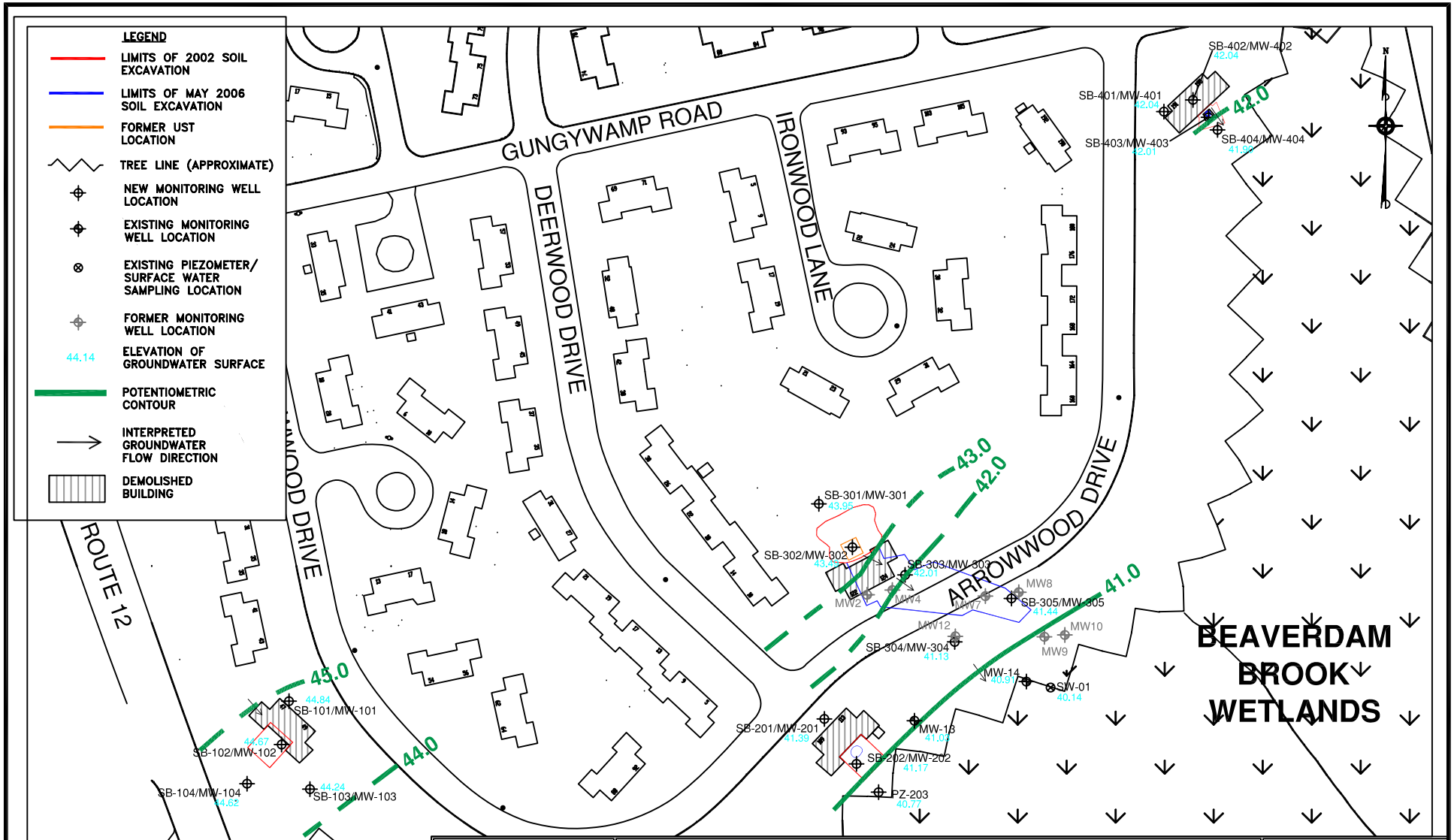


TETRA TECH, INC.

FORMER ARROWWOOD DRIVE
GROUNDWATER SURFACE CONTOURS
24 MARCH 2008 – ROUND 2
NAVAL SUBMARINE BASE NEW LONDON
GROTON, CONNECTICUT

SCALE	
AS NOTED	
FILE	
\..\GW_RD2.DWG	
REV	DATE
0	10/30/08
FIGURE NUMBER	
2–2	

ACAD: \00869\0420\GW_RD3.DWG 10/29/08 DWM

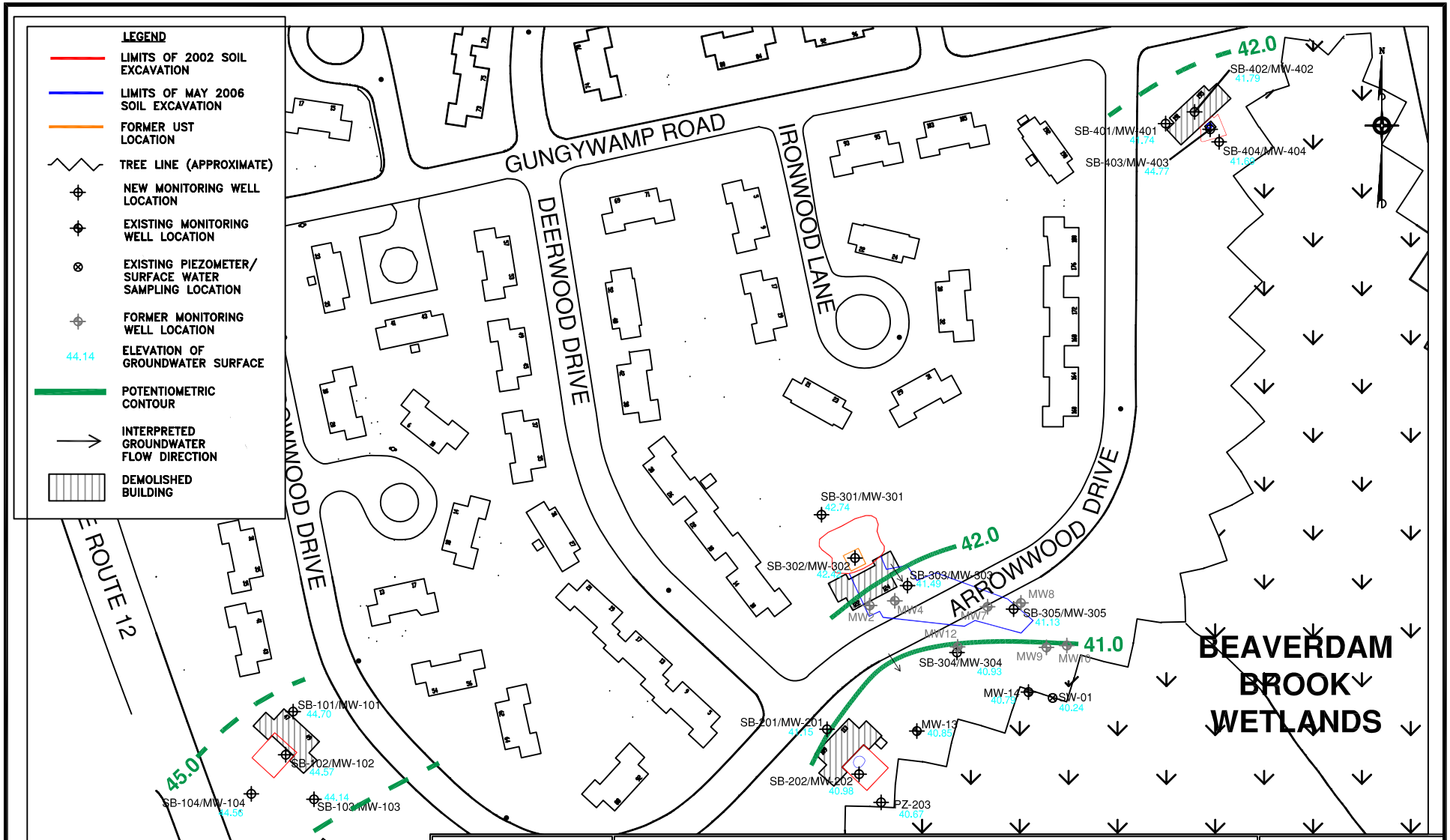


TETRA TECH, INC.

FORMER ARROWWOOD DRIVE
GROUNDWATER SURFACE CONTOURS
9 JUNE 2008 – ROUND 3
NAVAL SUBMARINE BASE NEW LONDON
GROTON, CONNECTICUT

SCALE	
AS NOTED	
FILE	
\..\GW_RD3.DWG	
REV	DATE
0	10/29/08
FIGURE NUMBER	
2–3	

ACAD: \00869\0420\GW_RD4.DWG 10/30/08 DWM



TETRA TECH, INC.

FORMER ARROWWOOD DRIVE
GROUNDWATER SURFACE CONTOURS
8 SEPTEMBER 2008 – ROUND 4
NAVAL SUBMARINE BASE NEW LONDON
GROTON, CONNECTICUT

SCALE	
AS NOTED	
FILE	
\..\GW_RD4.DWG	
REV	DATE
0	10/30/08
FIGURE NUMBER	
2–4	

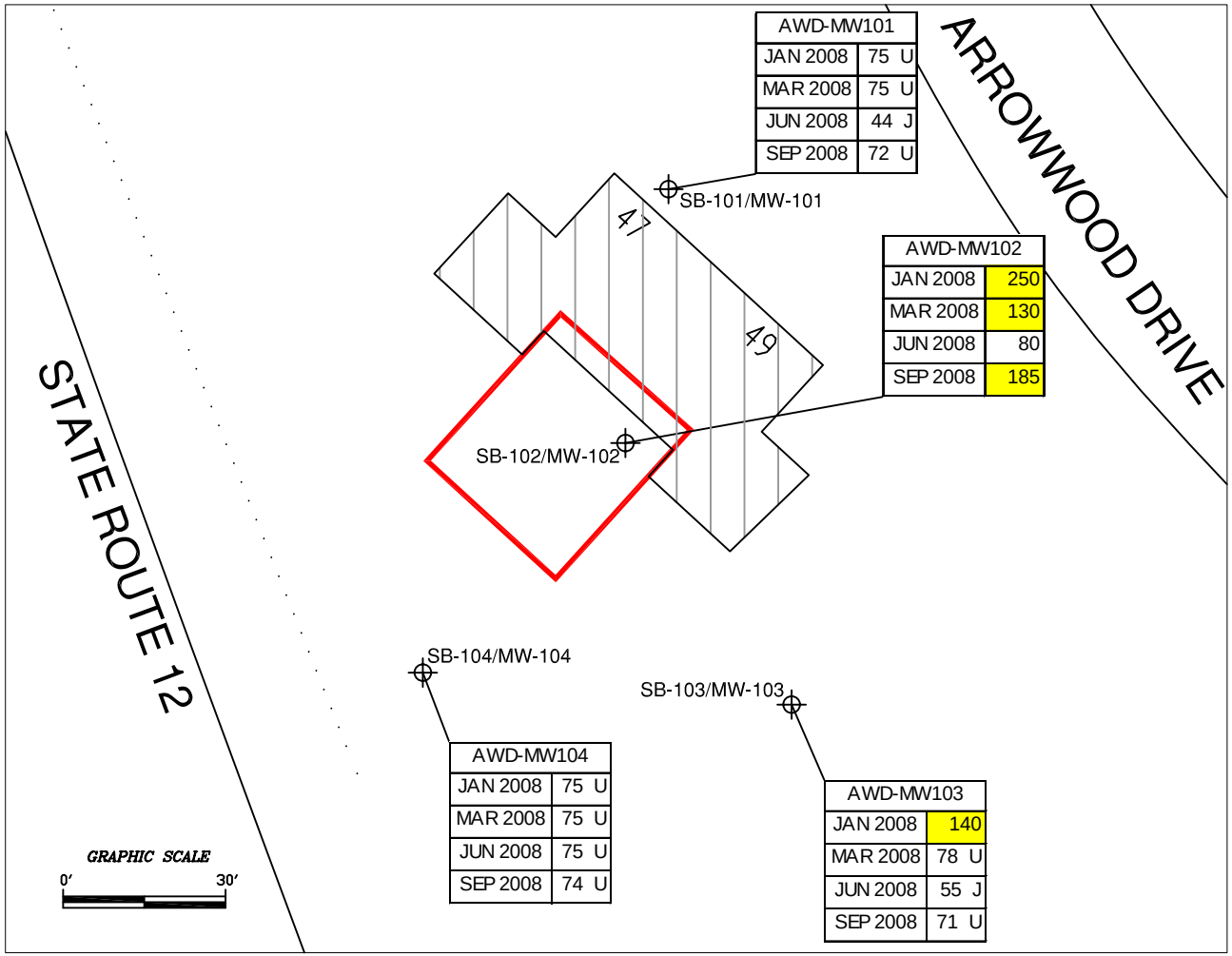
ACAD: \00869\0420\TPH_TAGS.DWG 10/30/08 DWM

LEGEND

LIMITS OF JUNE 2006 SOIL EXCAVATION

NEW MONITORING WELL LOCATION

TPH ANALYTICAL RESULTS ARE IN µg/L. RESULTS HIGHLIGHTED IN YELLOW ARE IF THEY EXCEED 100 µg/L.



AWD-MW101	
JAN 2008	75 U
MAR 2008	75 U
JUN 2008	44 J
SEP 2008	72 U

AWD-MW102	
JAN 2008	250
MAR 2008	130
JUN 2008	80
SEP 2008	185

AWD-MW103	
JAN 2008	140
MAR 2008	78 U
JUN 2008	55 J
SEP 2008	71 U

AWD-MW104	
JAN 2008	75 U
MAR 2008	75 U
JUN 2008	75 U
SEP 2008	74 U

NOTES:

1. BASE MAP PROVIDED BY NSB NEW LONDON
2. EXCAVATION LIMITS FROM DRAFT PROJECT CLOSEOUT REPORT FOR HOUSING UST REMEDIATION (TtEC, 2006)

TETRA TECH, INC.

EXTRACTABLE TPH ANALYTICAL RESULTS
FORMER 47/49 ARROWWOOD DRIVE
NAVAL SUBMARINE BASE NEW LONDON
GROTON, CONNECTICUT

SCALE: AS NOTED

FILE: \..\TPH_TAGS.DWG

REV: 0 DATE: 10/30/08

FIGURE NUMBER: 3–1

ACAD: \00869\0420\TPH_TAGS.DWG 10/30/08 DWM

LEGEND

LIMITS OF MAY 2006 SOIL EXCAVATION

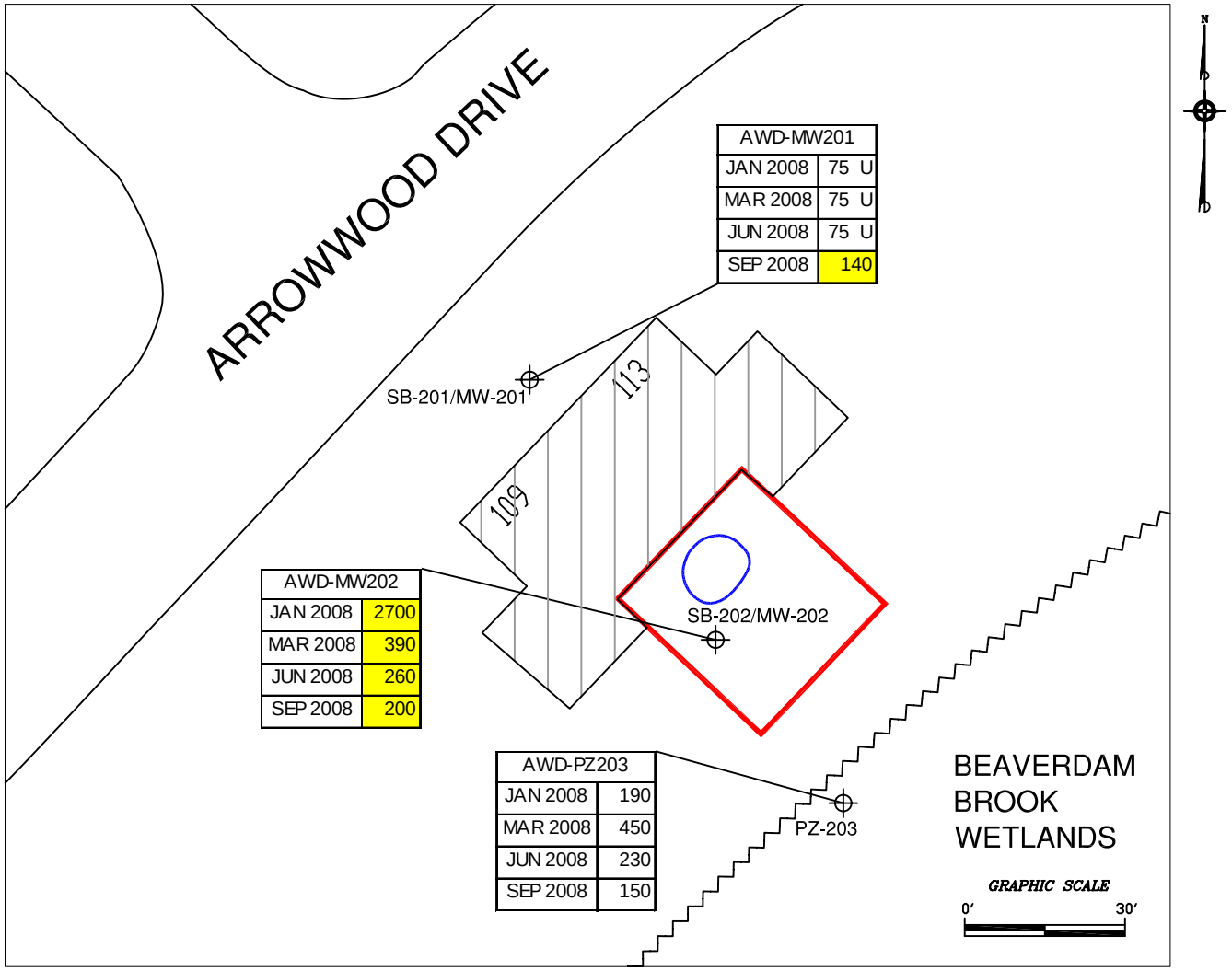
FORMER UST LOCATION

TREE LINE (APPROXIMATE)

NEW MONITORING WELL LOCATION

TPH ANALYTICAL RESULTS ARE IN µg/L. RESULTS HIGHLIGHTED IN YELLOW ARE IF THEY EXCEED 100 µg/L.

ANALYTICAL RESULTS FOR AWD-PZ203 ARE NOT COMPARED TO THE RSR GWPC



AWD-MW201	
JAN 2008	75 U
MAR 2008	75 U
JUN 2008	75 U
SEP 2008	140

AWD-MW202	
JAN 2008	2700
MAR 2008	390
JUN 2008	260
SEP 2008	200

AWD-PZ203	
JAN 2008	190
MAR 2008	450
JUN 2008	230
SEP 2008	150

NOTES:

1. BASE MAP PROVIDED BY NSB NEW LONDON
2. EXCAVATION LIMITS FROM DRAFT PROJECT CLOSEOUT REPORT FOR HOUSING UST REMEDIATION (TtEC, 2006)

TETRA TECH, INC.

EXTRACTABLE TPH ANALYTICAL RESULTS
FORMER 109/113 ARROWWOOD DRIVE
NAVAL SUBMARINE BASE NEW LONDON
GROTON, CONNECTICUT

SCALE: AS NOTED

FILE: \..\TPH_TAGS.DWG

REV: 0 DATE: 10/30/08

FIGURE NUMBER: 3-2

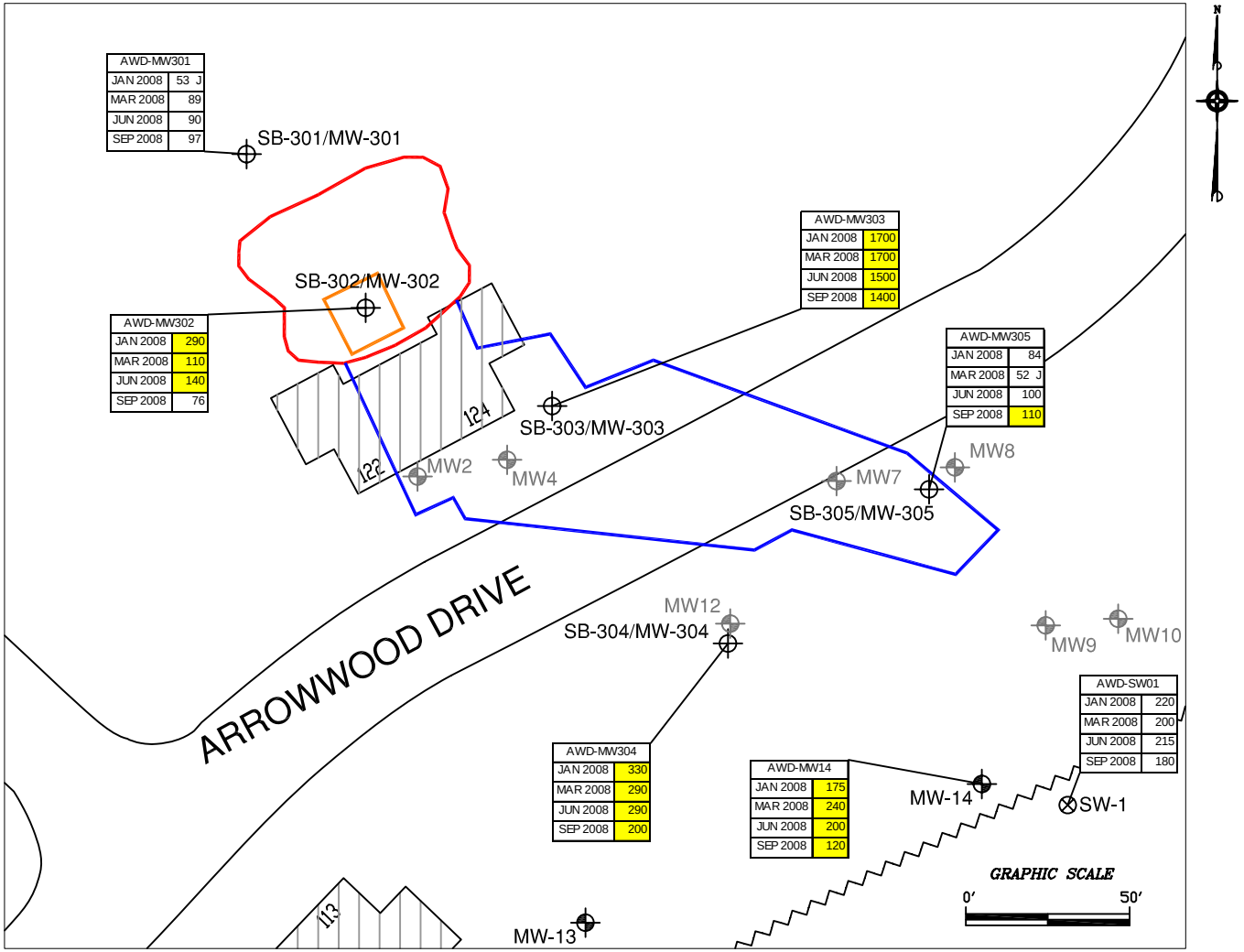
ACAD: \00869\0420\TPH_TAGS.DWG 10/30/08 DWM

LEGEND

- LIMITS OF 2002 SOIL EXCAVATION
- LIMITS OF MAY 2006 SOIL EXCAVATION
- FORMER UST LOCATION
- TREE LINE (APPROXIMATE)
- NEW MONITORING WELL LOCATION
- EXISTING MONITORING WELL LOCATION
- EXISTING SURFACE WATER SAMPLING LOCATION
- FORMER MONITORING WELL LOCATION

TPH ANALYTICAL RESULTS ARE IN µg/L. RESULTS HIGHLIGHTED IN YELLOW ARE IF THEY EXCEED 100 µg/L.

ANALYTICAL RESULTS FOR AWD-SW01 ARE NOT COMPARED TO THE RSR GWPC



AWD-MW301	
JAN 2008	53 J
MAR 2008	89
JUN 2008	90
SEP 2008	97

AWD-MW302	
JAN 2008	290
MAR 2008	110
JUN 2008	140
SEP 2008	76

AWD-MW303	
JAN 2008	1700
MAR 2008	1700
JUN 2008	1500
SEP 2008	1400

AWD-MW305	
JAN 2008	84
MAR 2008	52 J
JUN 2008	100
SEP 2008	110

AWD-MW304	
JAN 2008	330
MAR 2008	290
JUN 2008	290
SEP 2008	200

AWD-MW14	
JAN 2008	175
MAR 2008	240
JUN 2008	200
SEP 2008	120

AWD-SW01	
JAN 2008	220
MAR 2008	200
JUN 2008	215
SEP 2008	180

NOTES:

1. BASE MAP PROVIDED BY NSB NEW LONDON
2. EXCAVATION LIMITS FROM DRAFT PROJECT CLOSEOUT REPORT FOR HOUSING UST REMEDIATION (TtEC, 2006)

TETRA TECH, INC.

EXTRACTABLE TPH ANALYTICAL RESULTS
FORMER 122/124 ARROWWOOD DRIVE
NAVAL SUBMARINE BASE NEW LONDON
GROTON, CONNECTICUT

SCALE	
AS NOTED	
FILE	
\..\TPH_TAGS.DWG	
REV	DATE
0	10/30/08
FIGURE NUMBER	
3-3	

ACAD: \00869\0420\TPH_TAGS.DWG 10/30/08 DWM

LEGEND

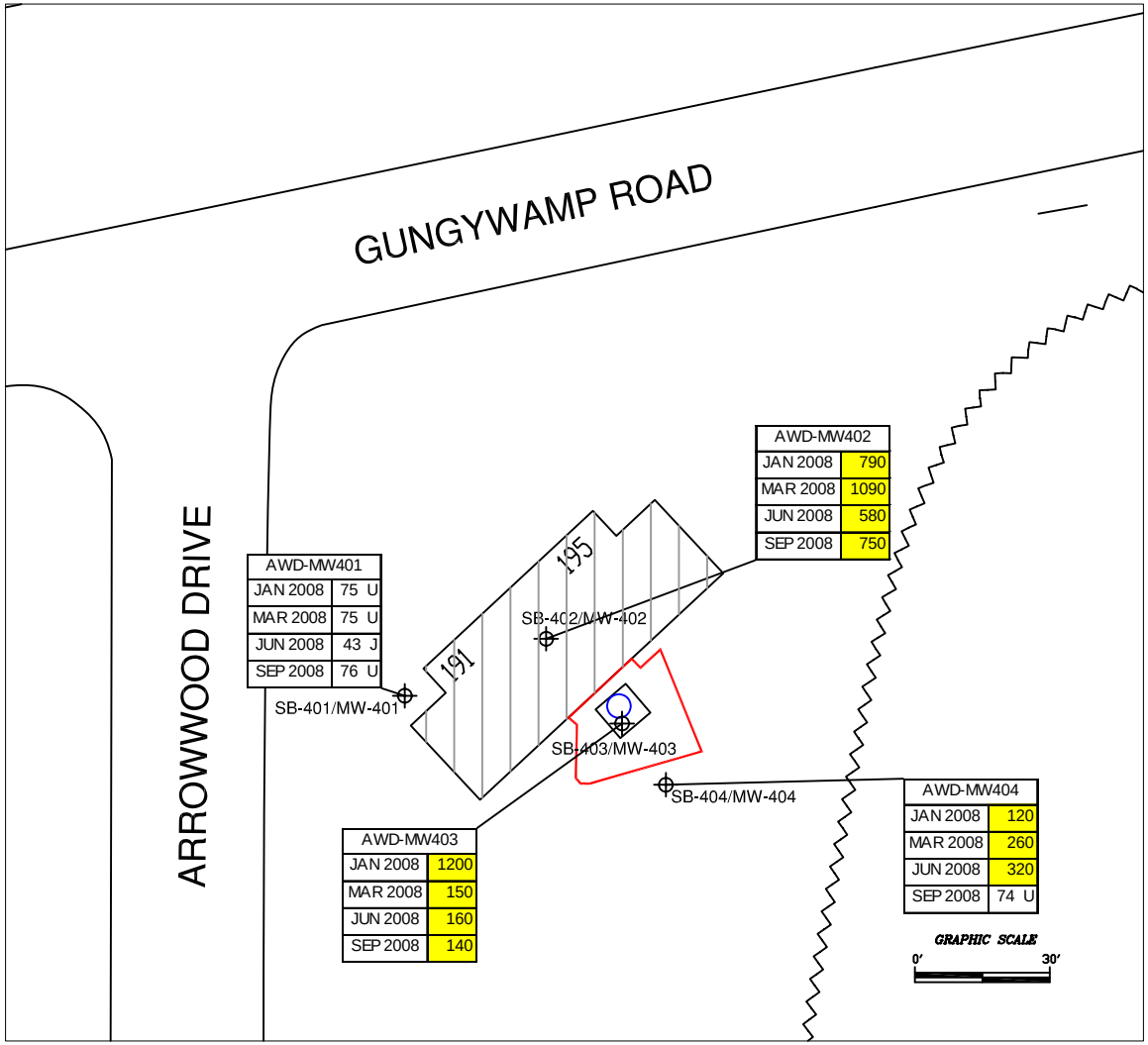
LIMITS OF MAY 2006 SOIL EXCAVATION

FORMER UST LOCATION

TREE LINE (APPROXIMATE)

NEW MONITORING WELL LOCATION

TPH ANALYTICAL RESULTS ARE IN µg/L. RESULTS HIGHLIGHTED IN YELLOW ARE IF THEY EXCEED 100 µg/L.



NOTES:

1. BASE MAP PROVIDED BY NSB NEW LONDON
2. EXCAVATION LIMITS FROM DRAFT PROJECT CLOSEOUT REPORT FOR HOUSING UST REMEDIATION (TtEC, 2006)

TETRA TECH, INC.

EXTRACTABLE TPH ANALYTICAL RESULTS
FORMER 191/195 ARROWWOOD DRIVE
NAVAL SUBMARINE BASE NEW LONDON
GROTON, CONNECTICUT

SCALE	AS NOTED
FILE	\..\TPH_TAGS.DWG
REV	0
DATE	10/30/08
FIGURE NUMBER	3-4

FIGURE 3-5

CONCENTRATION OF ETPH AT 47/49 ARROWWOOD DRIVE PROPERTY
NAVAL SUBMARINE BASE NEW LONDON
GROTON, CONNECTICUT

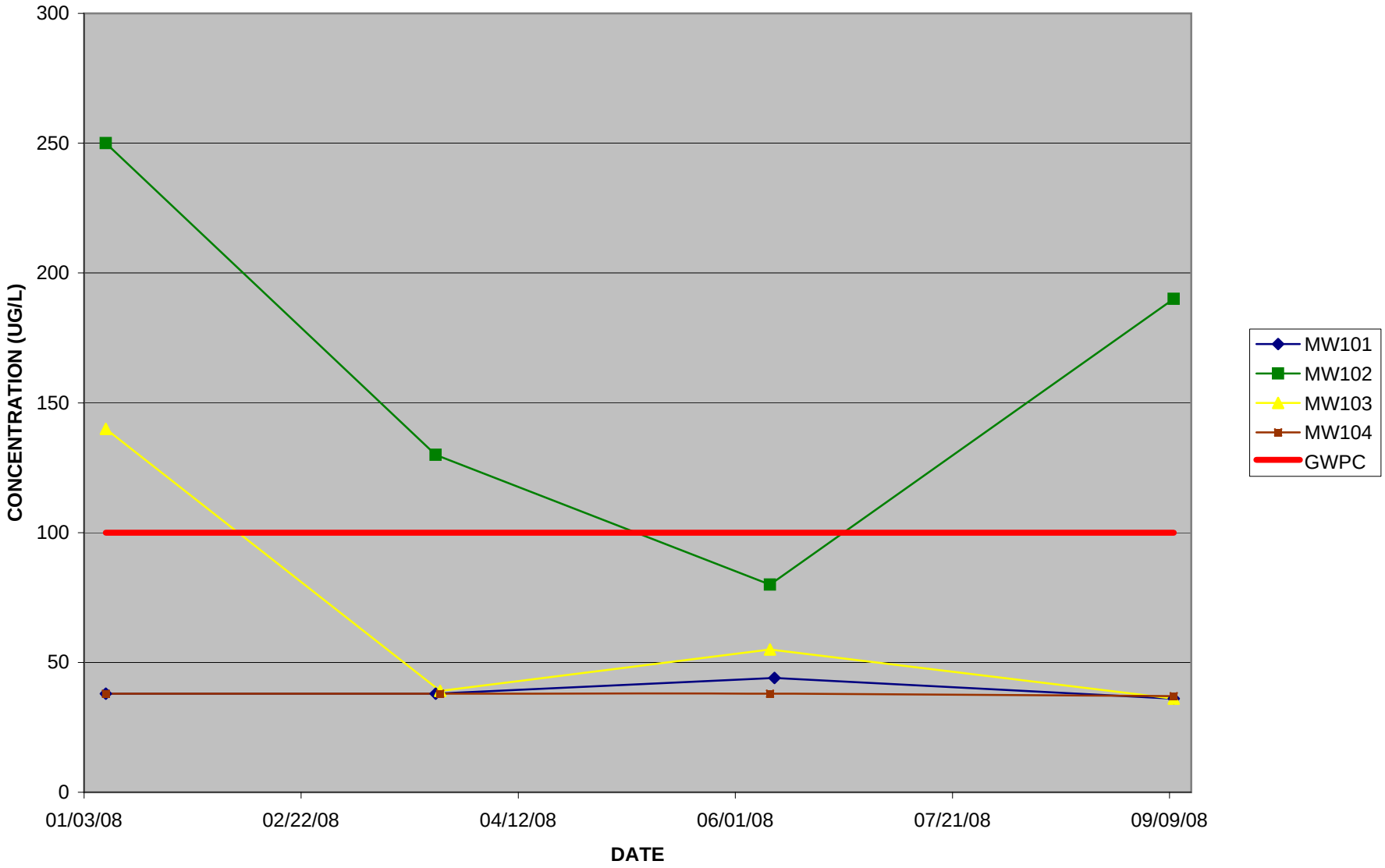


FIGURE 3-6

CONCENTRATION OF ETPH AT 109/113 ARROWWOOD DRIVE PROPERTY
NAVAL SUBMARINE BASE NEW LONDON
GROTON, CONNECTICUT

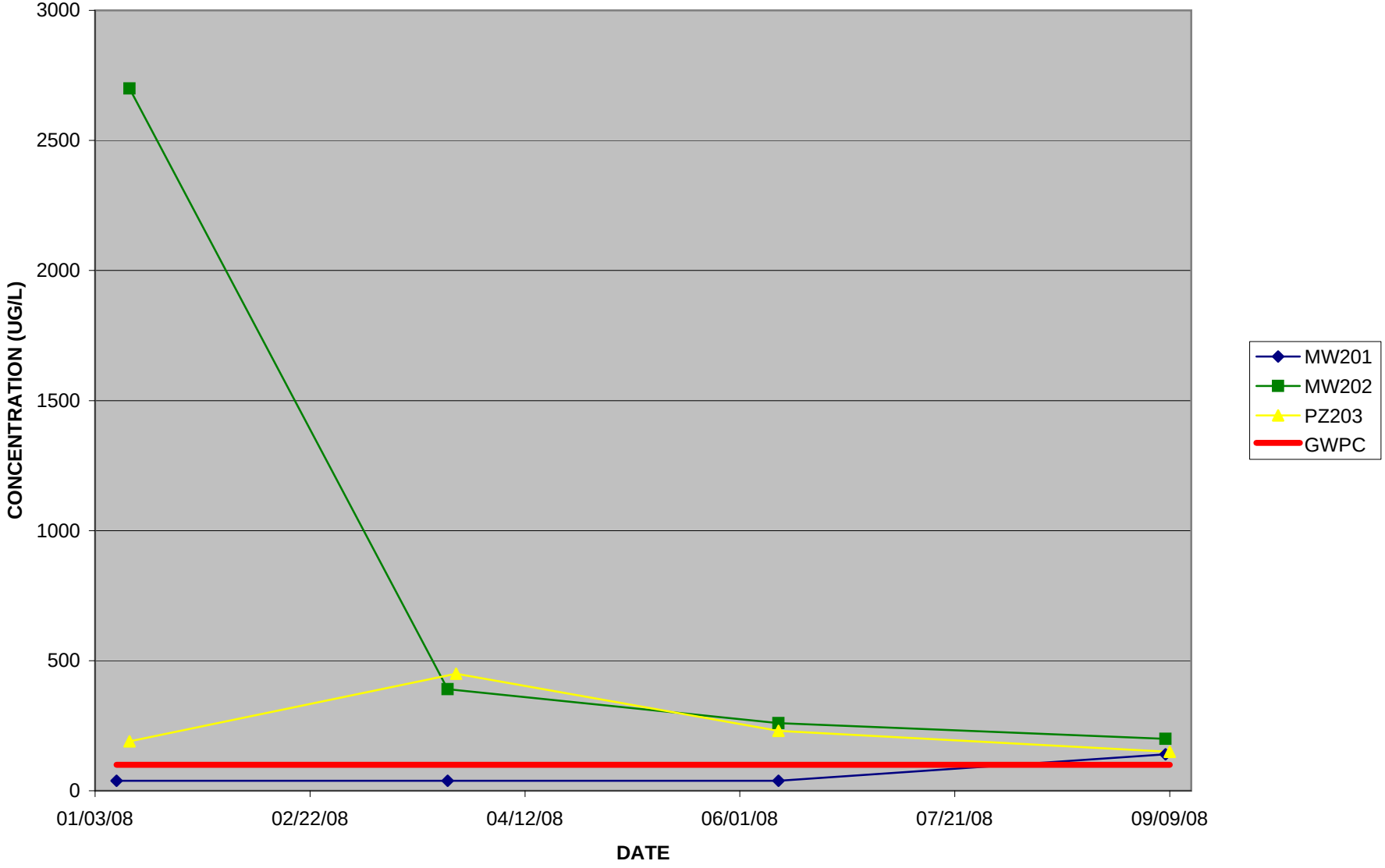


FIGURE 3-7

CONCENTRATION OF ETPH AT 122/124 ARROWWOOD DRIVE PROPERTY
NAVAL SUBMARINE BASE NEW LONDON
GROTON, CONNECTICUT

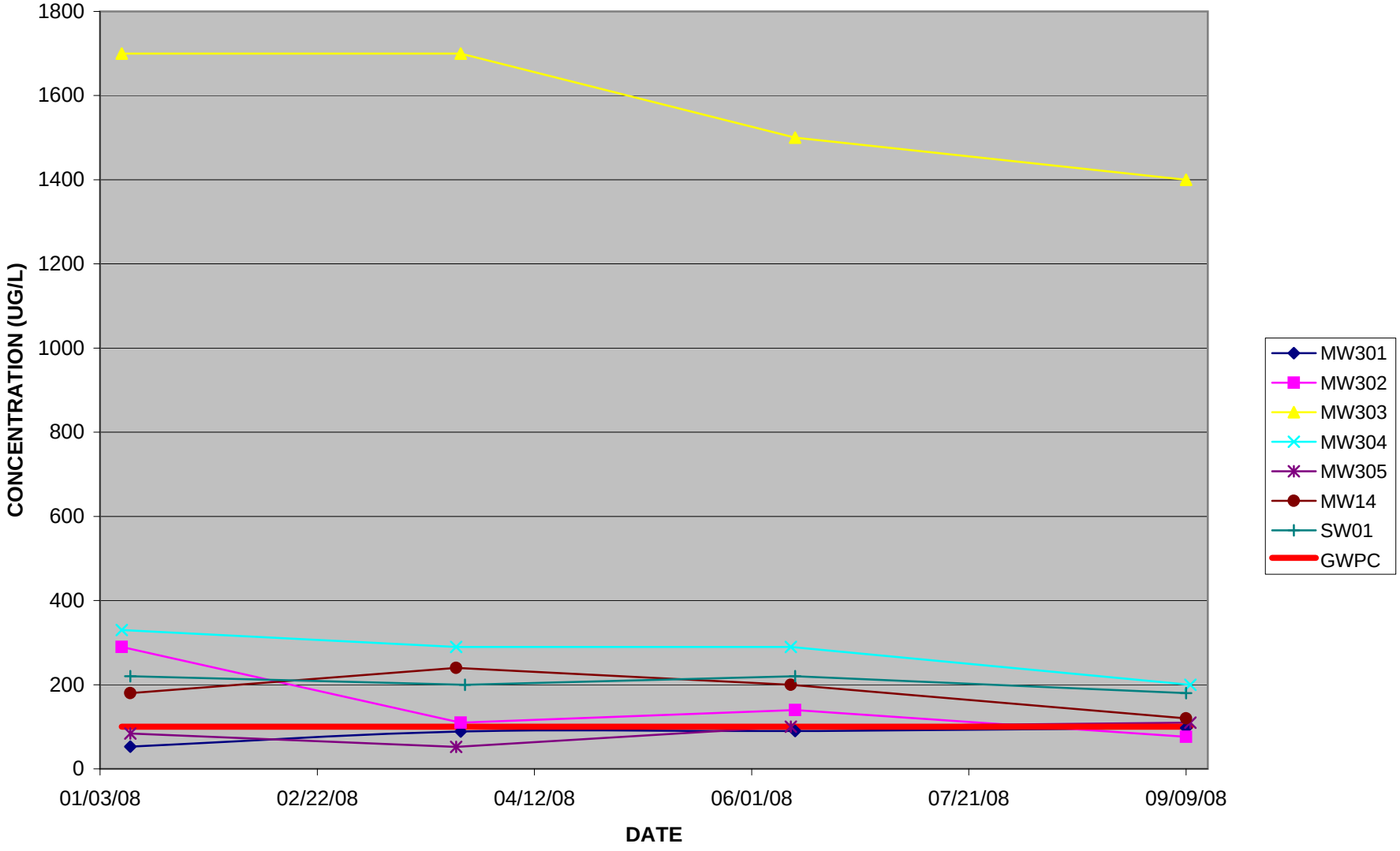


FIGURE 3-8

CONCENTRATION OF ETPH AT 191/195 ARROWWOOD DRIVE PROPERTY
NAVAL SUBMARINE BASE NEW LONDON
GROTON, CONNECTICUT

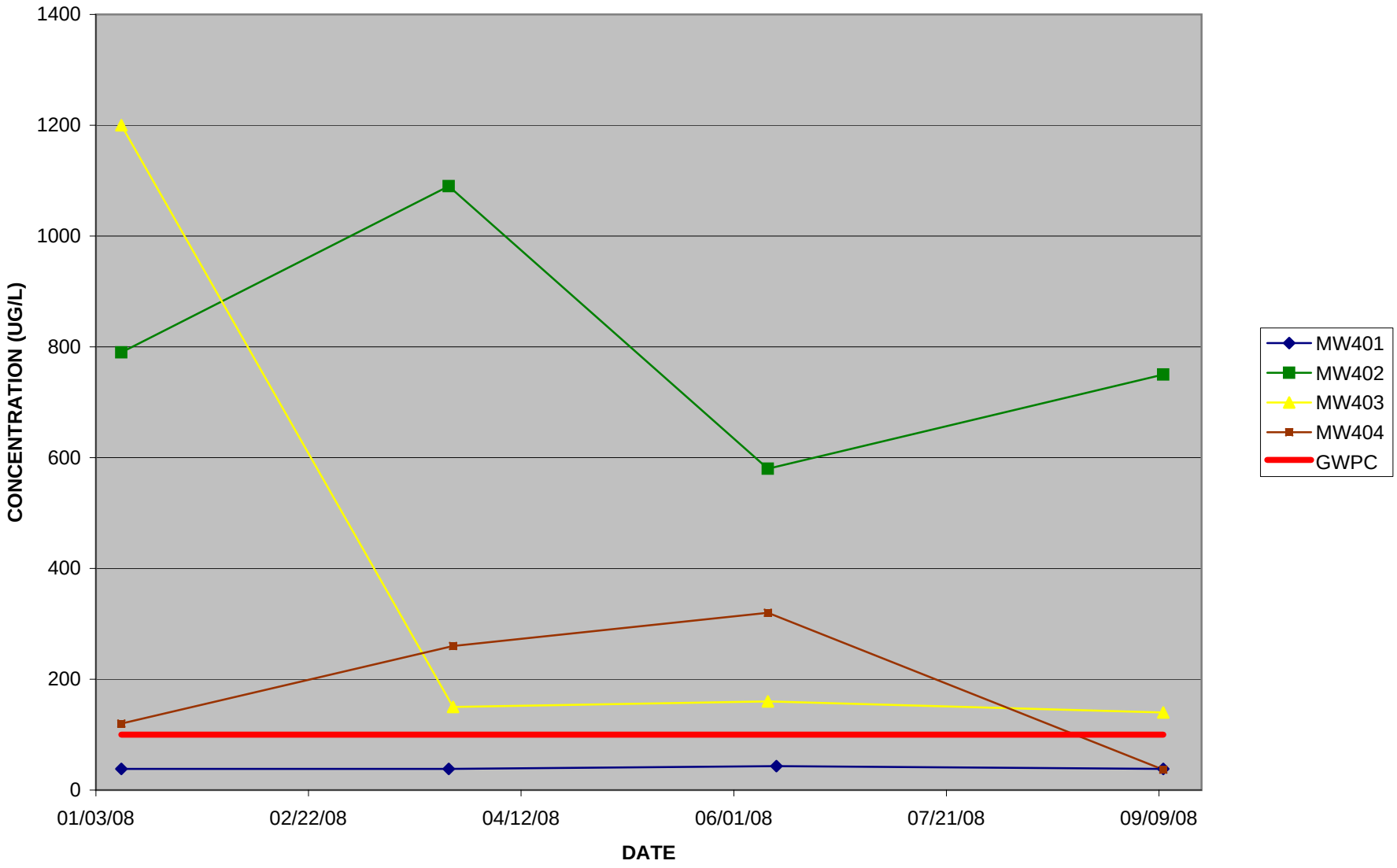
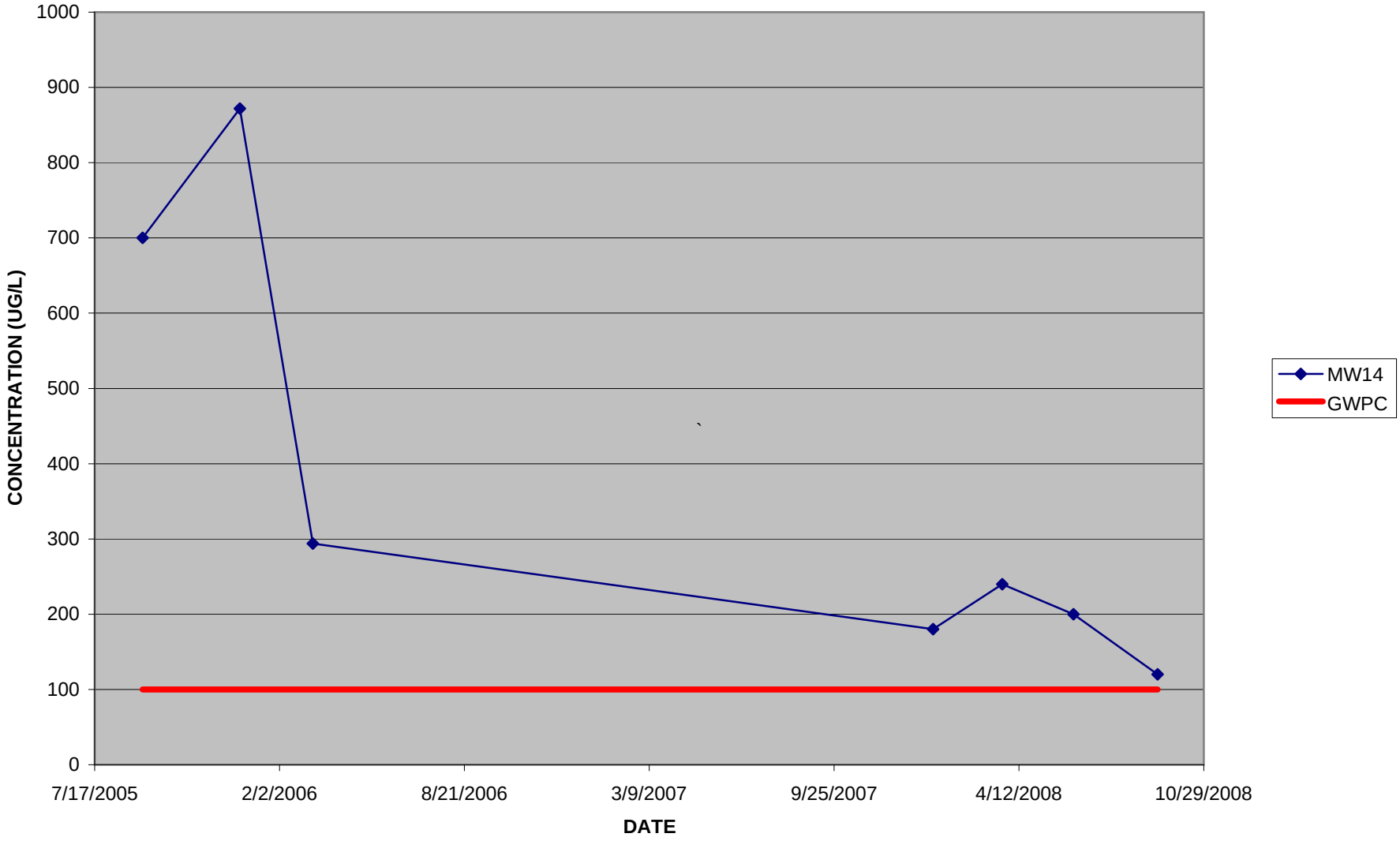


FIGURE 4-1

HISTORICAL CONCENTRATION OF ETPH IN MW-14
ARROWWOOD HOUSING SITES
NAVAL SUBMARINE BASE NEW LONDON
GROTON, CONNECTICUT



REFERENCES

REFERENCES

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APPENDIX A

BORING LOGS

BORING LOG FOR:	ARROWWOOD HOUSING			BORING NO.:	SB-101
PROJECT NO.:	112G00869			START DATE:	11-19-07
LOGGED BY:	R. CLARK	TRANSCRIBED BY:		COMPLETION: DATE:	11-19-07
DRILLED BY (Company/Driller):	NEW ENGLAND BORING / K. GOLOB			MON. WELL NO.:	MW-101
GRD. SURFACE ELEVATION:		ELEVATION FROM:		CHECKED BY:	

DEPTH (FEET)	DEPTH OF AUGERS OR CASING	BLOWS PER 6"	SAMP REC. / SAMP LENG.	SAMPLING TIME & SAMPLE NO. (QA/QC STATUS)	DEPTH MAT'L CHG./ WELL PROF'L	MATERIAL CLASSIFICATION	USCS	REMARKS (moisture condition; odors; geological classification; rock weathering; etc.)	PID FIELD SCREENING DATA *METHOD* = [PID, (PPM)]
		22	15/24	1553		0-1 in. Brown fine silty SAND	SP		0.1
		27				1-15 in., Brown fine to medium SAND, trace fine rounded gravel up to ½ in., trace silt, dry.			
		25							
2		22							
		10	16/24	1558		Brown fine to medium SAND, some subangular to subrounded gravel up to 1 in., trace silt	SW		0.1
		10				Dry			
		12							
4	4	20							
		72	7/24	1608		Gray platy GRANITE with rock dust, dry.	GP		0.1
		40							
		17							
6		9							
		8	6/24	1615		Brown fine to coarse SAND and fine rounded to subangular GRAVEL up to 1 in., dry.	SP		0.1
		9							
		10							
8	8	18							
		75/2	0/2	0819		No recovery	---		---
10	10								
		35	12/24	0843		Brown subangular to angular GRAVELLY FINE TO COARSE SAND, dry.	SP		0.0
		21							
		25							
12		23							
		21	15/24	0848		Same as above.	SP		0.0
		24							
		30							
14	14	41							
		90/0							
	15								
		23	9/24	0923			SP		0.0
16		10							

TYPE OF DRILLING RIG:	MOBILE DRILL B-53	Note:	*Tetra Tech NUS, Inc.*
METHOD OF ADVANCING BORING:	4 ¼ HOLLOW STEM AUGER	S = Screening	
METHOD OF SOIL SAMPLING:	2 IN. SPLIT SPOON DRIVEN 30 IN WITH 140 POUND HAMMER	HS = Headspace	
METHOD OF ROCK CORING:	NA	EOB = End of Boring	
GROUNDWATER LEVELS:			
OTHER OBSERVATIONS:	No samples taken from this location	BORING NO.: SB-101	PAGE: 1 OF 2

TtNUS Form 0018

BORING LOG FOR:	ARROWWOOD HOUSING			BORING NO.:	SB-101
PROJECT NO.:	112G00869			START DATE:	11-19-07
LOGGED BY:	R. CLARK	TRANSCRIBED BY:		COMPLETION: DATE:	11-19-07
DRILLED BY (Company/Driller):	NEW ENGLAND BORING / K. GOLOB			MON. WELL NO.:	MW-101
GRD. SURFACE ELEVATION:		ELEVATION FROM:		CHECKED BY:	

DEPTH (FEET)	DEPTH OF AUGERS OR CASING	BLOWS PER 6"	SAMP REC. / SAMP LENG.	SAMPLING TIME & SAMPLE NO. (QA/QC STATUS)	DEPTH MAT'L CHG./ WELL PROF'L	MATERIAL CLASSIFICATION	USCS	REMARKS (moisture condition; odors; geological classification; rock weathering; etc.)	PID FIELD SCREENING DATA *METHOD* = [PID, (PPM)]
17		23				Brownish gray subangular to subrounded up to 1 in GRAVELLY FINE TO COARSE SAND			
		40				Trace silt, wet.			
						Auger refusal at 18 ft.			

TYPE OF DRILLING RIG:	MOBILE DRILL B-53	Note:	*Tetra Tech NUS, Inc.*
METHOD OF ADVANCING BORING:	4 ¼ HOLLOW STEM AUGER	S = Screening	
METHOD OF SOIL SAMPLING:	2 IN. SPLIT SPOON DRIVEN 30 IN WITH 140 POUND HAMMER	HS = Headspace	
METHOD OF ROCK CORING:	NA	EOB = End of Boring	
GROUNDWATER LEVELS:			
OTHER OBSERVATIONS:	No samples taken from this location	BORING NO.: SB-101	PAGE: 2 OF 2

TtNUS Form 0018

BORING LOG FOR:	ARROWWOOD HOUSING			BORING NO.:	SB-102
PROJECT NO.:	112G00869			START DATE:	11-21-07
LOGGED BY:	R. CLARK	TRANSCRIBED BY:		COMPLETION: DATE:	11-21-07
DRILLED BY (Company/Driller):	NEW ENGLAND BORING / K. GOLOB			MON. WELL NO.:	MW-102
GRD. SURFACE ELEVATION:		ELEVATION FROM:		CHECKED BY:	

DEPTH (FEET)	DEPTH OF AUGERS OR CASING	BLOWS PER 6"	SAMP REC. / SAMP LENG.	SAMPLING TIME & SAMPLE NO. (QA/QC STATUS)	DEPTH MAT'L CHG./ WELL PROF'L	MATERIAL CLASSIFICATION	USCS	REMARKS (moisture condition; odors; geological classification; rock weathering; etc.)	PID FIELD SCREENING DATA *METHOD* = [PID, (PPM)]
		9	18/24	1132		0-6 in. Brown SILTY VERY FINE SAND (topsoil), gravelly from 3-6 in.,	ML		0.0
		13				6-9 in., Tan SILT.			
		15				9-18 in., Light brown fine SAND, little coarse sand to fine rounded gravel, dry.	SP		
2		24							
		17	8/24	1137		Light brown fine to medium SAND, some coarse sand to fine subangular gravel up to 1 in.,	SW		0.0
		8				Trace silt, dry.			
		15							
4	4	9							
		27	16/24	1140		0-8 in., platy gray GRANITE and rock dust.	GW		6.1
		18				8-16 in., Brown medium SILTY SAND, some coarse and to fine rounded gravel, dry.	SM		
		14							
6		9							
		11	12/24	1143		0-10 in., Brown fine to coarse SAND, trace rounded fine gravel, dry	SW		6.9
		12				10-12 in., Dark brown SILT, damp at bottom.	ML		
		11							
8	8	8							
		2	14/24	1149		Dark brown SILT, little coarse sand and fine rounded gravel, damp.	SM		2.0
		6							
		9							
10	10	10							
		7	12/24	1152		Gray medium SAND, some subangular fine gravel and coarse sand, petroleum odor.	SP		6.6
		5							
		4							
12		2							
		2	12/24	1155		Alternating 3 in. layers of tan and gray very fine silty SAND	SM		28.9
		2							
		3							
14	14	2							
		8	14/17	1200		Light brown medium SAND, wet.	SP		2.1
		15							
		70/5							
16									

TYPE OF DRILLING RIG:	MOBILE DRILL B-53	Note:	*Tetra Tech NUS, Inc.*
METHOD OF ADVANCING BORING:	4 ¼ HOLLOW STEM AUGER	S = Screening	
METHOD OF SOIL SAMPLING:	2 IN. SPLIT SPOON DRIVEN 30 IN WITH 140 POUND HAMMER	HS = Headspace	
METHOD OF ROCK CORING:	NA	EOB = End of Boring	
GROUNDWATER LEVELS:			
OTHER OBSERVATIONS:	No samples taken from this location	BORING NO.: SB-102	PAGE: 1 OF 2

TtNUS Form 0018

BORING LOG FOR:	ARROWWOOD HOUSING			BORING NO.:	SB-102
PROJECT NO.:	112G00869			START DATE:	11-21-07
LOGGED BY:	R. CLARK	TRANSCRIBED BY:		COMPLETION: DATE:	11-21-07
DRILLED BY (Company/Driller):	NEW ENGLAND BORING / K. GOLOB			MON. WELL NO.:	MW-102
GRD. SURFACE ELEVATION:		ELEVATION FROM:		CHECKED BY:	

DEPTH (FEET)	DEPTH OF AUGERS OR CASING	BLOWS PER 6"	SAMP REC. / SAMP LENG.	SAMPLING TIME & SAMPLE NO. (QA/QC STATUS)	DEPTH MAT'L CHG./ WELL PROF'L	MATERIAL CLASSIFICATION	USCS	REMARKS (moisture condition; odors; geological classification; rock weathering; etc.)	PID FIELD SCREENING DATA *METHOD* = [PID, (PPM)]
17						Auger refusal at 17 ft.			
18									
19									

TYPE OF DRILLING RIG:	MOBILE DRILL B-53	Note:	*Tetra Tech NUS, Inc.*
METHOD OF ADVANCING BORING:	4 ¼ HOLLOW STEM AUGER	S = Screening	
METHOD OF SOIL SAMPLING:	2 IN. SPLIT SPOON DRIVEN 30 IN WITH 140 POUND HAMMER	HS = Headspace	
METHOD OF ROCK CORING:	NA	EOB = End of Boring	
GROUNDWATER LEVELS:			
OTHER OBSERVATIONS:	No samples taken from this location	BORING NO.: SB-102	PAGE: 2 OF 2

TtNUS Form 0018

BORING LOG FOR:	ARROWWOOD HOUSING			BORING NO.:	SB-103
PROJECT NO.:	112G00869			START DATE:	11-21-07
LOGGED BY:	R. CLARK	TRANSCRIBED BY:		COMPLETION: DATE:	11-21-07
DRILLED BY (Company/Driller):	NEW ENGLAND BORING / K. GOLOB			MON. WELL NO.:	MW-103
GRD. SURFACE ELEVATION:		ELEVATION FROM:		CHECKED BY:	

DEPTH (FEET)	DEPTH OF AUGERS OR CASING	BLOWS PER 6"	SAMP REC. / SAMP LENG.	SAMPLING TIME & SAMPLE NO. (QA/QC STATUS)	DEPTH MAT'L CHG./ WELL PROF'L	MATERIAL CLASSIFICATION	USCS	REMARKS (moisture condition; odors; geological classification; rock weathering; etc.)	PID FIELD SCREENING DATA *METHOD* = [PID, (PPM)]
		7	7/11	0832		Brown FINE SILTY SAND, gravelly at bottom, dry.	SM		0.0
		60/5							
2	2								
		30	6/11	0838		0-2 in., same as above	SM		0.0
		75/5				2-6 in., subangular GRANITE GRAVEL up to 1 ½ in., dry.	GW		
4	4								
		15	8/24	0855		Brown silty fine SAND, trace coarse sand to fine gravel, damp.	SM		0.0
		11							
6		13							
		12							
		9	1/24	0859		Gravel in shoe with brown fine SAND, damp.	SP		0.0
		8							
8	8	8				(PID check, replaced filter)			
		10							
		6	18/24	0908		0-6 in., Brown fine SAND, little coarse sand to fine subrounded up to ½ in. gravel.	SP		0.1
		4				6-18 in., Rusty brown very fine SILTY SAND, trace coarse sand and fine rounded gravel up	SM		
10		4				To 1 in., damp.			
		5							
		35	14/24	0912		0-4 in., gray brown platy GRANITE with rock dust, dry.	GW		0.3
		38				4-14 in., fine to coarse SAND and fine rounded to subangular GRAVEL up to ½ in., dry.	SW		
12	12	52							
		35							
		16	15/24	0925		Gray brown fine to coarse SAND, trace silt, wet.	SW		0.1
		19							
14		23							
		25							
16		8	17/24	0945					
		9							

TYPE OF DRILLING RIG:	MOBILE DRILL B-53	Note:	*Tetra Tech NUS, Inc.*
METHOD OF ADVANCING BORING:	4 ¼ HOLLOW STEM AUGER	S = Screening	
METHOD OF SOIL SAMPLING:	2 IN. SPLIT SPOON DRIVEN 30 IN WITH 140 POUND HAMMER	HS = Headspace	
METHOD OF ROCK CORING:	NA	EOB = End of Boring	
GROUNDWATER LEVELS:			
OTHER OBSERVATIONS:	No samples taken from this location	BORING NO.: SB-103	PAGE: 1 OF 2

TtNUS Form 0018

BORING LOG FOR:	ARROWWOOD HOUSING			BORING NO.:	SB-103
PROJECT NO.:	112G00869			START DATE:	11-21-07
LOGGED BY:	R. CLARK	TRANSCRIBED BY:		COMPLETION: DATE:	11-21-07
DRILLED BY (Company/Driller):	NEW ENGLAND BORING / K. GOLOB			MON. WELL NO.:	MW-103
GRD. SURFACE ELEVATION:		ELEVATION FROM:		CHECKED BY:	

DEPTH (FEET)	DEPTH OF AUGERS OR CASING	BLOWS PER 6"	SAMP REC. / SAMP LENG.	SAMPLING TIME & SAMPLE NO. (QA/QC STATUS)	DEPTH MAT'L CHG./ WELL PROF'L	MATERIAL CLASSIFICATION	USCS	REMARKS (moisture condition; odors; geological classification; rock weathering; etc.)	PID FIELD SCREENING DATA *METHOD* = [PID, (PPM)]
17		10				Same as above.	SW		0.1
		12							
18									
						Auger to 19 ft.			
19									

TYPE OF DRILLING RIG:	MOBILE DRILL B-53	Note:	*Tetra Tech NUS, Inc.*
METHOD OF ADVANCING BORING:	4 ¼ HOLLOW STEM AUGER	S = Screening	
METHOD OF SOIL SAMPLING:	2 IN. SPLIT SPOON DRIVEN 30 IN WITH 140 POUND HAMMER	HS = Headspace	
METHOD OF ROCK CORING:	NA	EOB = End of Boring	
GROUNDWATER LEVELS:			
OTHER OBSERVATIONS:	No samples taken from this location	BORING NO.: SB-103	PAGE: 2 OF 2

TtNUS Form 0018

BORING LOG FOR:	ARROWWOOD HOUSING	BORING NO.:	SB-104
PROJECT NO.:	112G00869	START DATE:	11-20-07
LOGGED BY:	R. CLARK	TRANSCRIBED BY:	COMPLETION: DATE: 11-20-07
DRILLED BY (Company/Driller):	NEW ENGLAND BORING / K. GOLOB	MON. WELL NO.:	MW-104
GRD. SURFACE ELEVATION:		ELEVATION FROM:	CHECKED BY:

DEPTH (FEET)	DEPTH OF AUGERS OR CASING	BLOWS PER 6"	SAMP REC. / SAMP LENG.	SAMPLING TIME & SAMPLE NO. (QA/QC STATUS)	DEPTH MAT'L CHG./ WELL PROF'L	MATERIAL CLASSIFICATION	USCS	REMARKS (moisture condition; odors; geological classification; rock weathering; etc.)	PID FIELD SCREENING DATA *METHOD* = [PID, (PPM)]
		20	12/24	1309		Brown fine SAND, trace gravel at bottom	SP		0.0
		16							
		11							
2		15							
		20	7/12	1313		Light brown fine to coarse SAND and subangular GRAVEL up to 1 ½ in., dry	SW		0.0
		75							
4	4								
		18	7/12			Same as above			0.0
		75							
6									
		74	10/10			Auger refusal at 7 ft, moved rig and continued.			
		90/4				Gray platy GRANITE wet	GW		0.0
8									
				1428		Auger refusal at 9 ½ ft.			
10									
12									
14									
16									

TYPE OF DRILLING RIG:	MOBILE DRILL B-53	Note:	*Tetra Tech NUS, Inc.*
METHOD OF ADVANCING BORING:	4 ¼ HOLLOW STEM AUGER	S = Screening	
METHOD OF SOIL SAMPLING:	2 IN. SPLIT SPOON DRIVEN 30 IN WITH 140 POUND HAMMER	HS = Headspace	
METHOD OF ROCK CORING:	NA	EOB = End of Boring	
GROUNDWATER LEVELS:			
OTHER OBSERVATIONS:	No samples taken from this location	BORING NO.: SB-104	PAGE: 1 OF 1

TtNUS Form 0018

BORING LOG FOR:	ARROWWOOD HOUSING			BORING NO.:	SB-201
PROJECT NO.:	112G00869			START DATE:	11-15-07
LOGGED BY:	R. CLARK	TRANSCRIBED BY:		COMPLETION: DATE:	11-15-07
DRILLED BY (Company/Driller):	NEW ENGLAND BORING / K. GOLOB			MON. WELL NO.:	MW-201
GRD. SURFACE ELEVATION:		ELEVATION FROM:		CHECKED BY:	

DEPTH (FEET)	DEPTH OF AUGERS OR CASING	BLOWS PER 6"	SAMP REC. / SAMP LENG.	SAMPLING TIME & SAMPLE NO. (QA/QC STATUS)	DEPTH MAT'L CHG./ WELL PROF'L	MATERIAL CLASSIFICATION	USCS	REMARKS (moisture condition; odors; geological classification; rock weathering; etc.)	PID FIELD SCREENING DATA *METHOD* = [PID, (PPM)]
		3	15/24	0832		0-7 in. Brown silty fine SAND (topsoil)	ML		0.0
		22				7-15 in. Brown fine to medium SAND, trace subrounded to subangular gravel up to ¾ in.,	SP		
		24				Trace silt, dry.			
2		20							
		28	0/24	0837		No recovery	---		----
		25							
		27							
4	4	29							
		3	18/24	0853		0-9 in. Brown silty very fine SAND, trace rounded gravel up to ¾ in.	SP		0.0
		4				9-18 in. Brown fine to medium SAND, some rounded gravel up to ¾ in., dry	SW		
		5							
6		7							
		14	15/24	0858		Rusty brown fine to coarse SAND and fine rounded GRAVEL up to 1 in., damp to wet at	SW		0.2
		18				Bottom.			
		18							
8	8	38							
		24	18/24	0915		Brown fine to coarse SAND and fine rounded GRAVEL up to 1 in., trace silt, wet.	SW		0.5
		34							
		40							
10		42							
						Augered to 12 ft.			---
12	12								
		12	18/24			Brownish gray medium SAND, trace coarse sand, wet.	SP		0.2
		14							
		16							
14		18							
16									

TYPE OF DRILLING RIG:	MOBILE DRILL B-53	Note:	*Tetra Tech NUS, Inc.*
METHOD OF ADVANCING BORING:	4 ¼ HOLLOW STEM AUGER	S = Screening	
METHOD OF SOIL SAMPLING:	2 IN. SPLIT SPOON DRIVEN 30 IN WITH 140 POUND HAMMER	HS = Headspace	
METHOD OF ROCK CORING:	NA	EOB = End of Boring	
GROUNDWATER LEVELS:			
OTHER OBSERVATIONS:	No samples taken from this location	BORING NO.: SB-201	PAGE: 1 OF 1

TtNUS Form 0018

BORING LOG FOR:	ARROWWOOD HOUSING	BORING NO.:	SB-202
PROJECT NO.:	112G00869	START DATE:	11-15-07
LOGGED BY:	R. CLARK	TRANSCRIBED BY:	COMPLETION: DATE: 11-15-07
DRILLED BY (Company/Driller):	NEW ENGLAND BORING / K. GOLOB	MON. WELL NO.:	MW-202
GRD. SURFACE ELEVATION:		ELEVATION FROM:	CHECKED BY:

DEPTH (FEET)	DEPTH OF AUGERS OR CASING	BLOWS PER 6"	SAMP REC. / SAMP LENG.	SAMPLING TIME & SAMPLE NO. (QA/QC STATUS)	DEPTH MAT'L CHG./ WELL PROF'L	MATERIAL CLASSIFICATION	USCS	REMARKS (moisture condition; odors; geological classification; rock weathering; etc.)	PID FIELD SCREENING DATA *METHOD* = [PID, (PPM)]
		8	20/24	1032		0-2 in. Brown SILTY FINE SAND (topsoil)	ML		0.7
		15				2-3 in. ASPHALT			
		11				3-20 in. brown FINE SAND, some subrounded fine gravel and medium sand, trace silt	SW		
2		11				Dry.			
		20	4/24	1037		Gray platy GRAVEL (granite) with rock dust, dry.	GW		0.5
		15							
		14							
4	4	13							
		4	12/24	1050		0-6 in. Brown SILTY FINE SAND, some rounded gravel up to ½ in., damp.	SP		0.6
		4				6-12 in. Brown and gray MEDIUM SAND, some coarse sand to fine rounded gravel up to 1	SP		
		7				In., damp.			
6		7							
		7	5/24	1054		Same as above	SP		1.1
		6							
		4							
8	8	4							
		3	14/24	1110		0-7 in. Dark brown SILTY MEDIUM SAND, wet.	SM		23.3
		6				7-14 in. gray GRAVEL, some fine to coarse sand, trace silt, wet.	SW		
		22							
10		23							
						Auger to 13 ft			
12						Driller reports stony conditions from 11-12 ft, and again at 13 ft			
		11	15/24	1130		Gray SILTY FINE SAND, some fine subrounded to subangular gravel (weathered rock)	GM		0.4
14		24				Up to 1 in., wet.			
		20							
		47							
16									

TYPE OF DRILLING RIG:	MOBILE DRILL B-53	Note:	*Tetra Tech NUS, Inc.*
METHOD OF ADVANCING BORING:	4 ¼ HOLLOW STEM AUGER	S = Screening	
METHOD OF SOIL SAMPLING:	2 IN. SPLIT SPOON DRIVEN 30 IN WITH 140 POUND HAMMER	HS = Headspace	
METHOD OF ROCK CORING:	NA	EOB = End of Boring	
GROUNDWATER LEVELS:			
OTHER OBSERVATIONS:	No samples taken from this location	BORING NO.: SB-202	PAGE: 1 OF 1

TtNUS Form 0018

BORING LOG FOR:	ARROWWOOD HOUSING			BORING NO.:	SB-301
PROJECT NO.:	112G00869			START DATE:	11-12-07
LOGGED BY:	R. CLARK	TRANSCRIBED BY:		COMPLETION: DATE:	11-12-07
DRILLED BY (Company/Driller):	NEW ENGLAND BORING / K. GOLOB			MON. WELL NO.:	MW-301
GRD. SURFACE ELEVATION:		ELEVATION FROM:		CHECKED BY:	

DEPTH (FEET)	DEPTH OF AUGERS OR CASING	BLOWS PER 6"	SAMP REC. / SAMP LENG.	SAMPLING TIME & SAMPLE NO. (QA/QC STATUS)	DEPTH MAT'L CHG./ WELL PROF'L	MATERIAL CLASSIFICATION	USCS	REMARKS (moisture condition; odors; geological classification; rock weathering; etc.)	PID FIELD SCREENING DATA *METHOD* = [PID, (PPM)]
		49	1130			0-4 in. Brown silty fine SAND (topsoil)	ML		0.2
		26				4-6 in. Weathered granite.	GM		
		47				6-10 in. Brown fine SILTY SAND, some subangular fine gravel	SM		
2		72				10-14 in. Weathered granite, dry.	GM		
		62	1145			0-2 in. Gray weathered platy granite.	GM		0.3
		100				2-12 in. brown to orange SILTY FINE SAND, trace organics (roots), damp.	SM		
		50							
4	4	32				Auger refusal at 4 ft, moved rig and continued.			
		11	1300			0-12 in. Same as above	SM		0.0
		12				12-14 in. Weathered platy GRANITE.	GW		
		22				14-15 in. Light brown very fine to fine SAND, trace silt.	SM		
6		24				15-24 in. gray fine SAND, some coarse sand to fine subrounded gravel up to 1 in. dry.	GW		
		30	1330			Same as above	GW		0.4
		38							
		48							
8	8	50							
		12	1400			Grayish tan gravelly fine SAND with weathered granite at 6-7 in. and 10-13 in., dry	SW		0.5
		31							
		47							
10	10	29							
		40	1415			Same as above with granite at 4-8 in. and 10-12 in., dry.	SW		0.3
		49							
		60/2							
12	12								
		100/1				Gray fine SILTY SAND, some platy granite, wet.	SM		
14									
16									

TYPE OF DRILLING RIG:	MOBILE DRILL B-53	Note:	*Tetra Tech NUS, Inc.*
METHOD OF ADVANCING BORING:	4 ¼ HOLLOW STEM AUGER	S = Screening	
METHOD OF SOIL SAMPLING:	2 IN. SPLIT SPOON DRIVEN 30 IN WITH 140 POUND HAMMER	HS = Headspace	
METHOD OF ROCK CORING:	NA	EOB = End of Boring	
GROUNDWATER LEVELS:			
OTHER OBSERVATIONS:	No samples taken from this location	BORING NO.: SB-301	PAGE: 1 OF 1

TtNUS Form 0018

BORING LOG FOR:	ARROWWOOD HOUSING			BORING NO.:	SB-302
PROJECT NO.:	112G00869			START DATE:	11-13-07
LOGGED BY:	R. CLARK	TRANSCRIBED BY:		COMPLETION: DATE:	11-14-07
DRILLED BY (Company/Driller):	NEW ENGLAND BORING / K. GOLOB			MON. WELL NO.:	MW-302
GRD. SURFACE ELEVATION:		ELEVATION FROM:		CHECKED BY:	

DEPTH (FEET)	DEPTH OF AUGERS OR CASING	BLOWS PER 6"	SAMP REC. / SAMP LENG.	SAMPLING TIME & SAMPLE NO. (QA/QC STATUS)	DEPTH MAT'L CHG./ WELL PROF'L	MATERIAL CLASSIFICATION	USCS	REMARKS (moisture condition; odors; geological classification; rock weathering; etc.)	PID FIELD SCREENING DATA *METHOD* = [PID, (PPM)]
		18	18/24	1505		0-8 in. Brown gravelly fine SAND.	SP		0.1
		22				8-10 in. Gravel	GW		
		22				10-12 in. Brown fine SAND, some coarse sand.	SP		
2		18				12-18 in. Dark brown sandy GRAVEL, dry.	GW		
		17	10/24	1510		0-5 in. same as above	GW		0.4
		19				5-5½ in. black as above	GW		
		20				5½ -10 in. brown gravelly fine SAND, dry.	SP		
4	4	26							
		12	10/24	1530		Grayish brown gravelly fine to coarse SAND, subrounded gravel up to 1 ½ in., damp.	SP		1.6
		8							
		3							
6		6							
		6	10/24	1540		Brownish gray same as above, wet.	SP	Petroleum odor	6.0
		8							
		8							
8		70							
						Augered through cobbles			---
10	10								
		50/0	0/0					Headspace sample from auger cuttings	12.3
12									
14									
16									

TYPE OF DRILLING RIG:	MOBILE DRILL B-53	Note:	*Tetra Tech NUS, Inc.*
METHOD OF ADVANCING BORING:	4 ¼ HOLLOW STEM AUGER	S = Screening	
METHOD OF SOIL SAMPLING:	2 IN. SPLIT SPOON DRIVEN 30 IN WITH 140 POUND HAMMER	HS = Headspace	
METHOD OF ROCK CORING:	NA	EOB = End of Boring	
GROUNDWATER LEVELS:			
OTHER OBSERVATIONS:	No samples taken from this location	BORING NO.: SB-302	PAGE: 1 OF 1

TtNUS Form 0018

BORING LOG FOR:	ARROWWOOD HOUSING			BORING NO.:	SB-303
PROJECT NO.:	112G00869			START DATE:	11-13-07
LOGGED BY:	R. CLARK	TRANSCRIBED BY:		COMPLETION: DATE:	11-13-07
DRILLED BY (Company/Driller):	NEW ENGLAND BORING / K. GOLOB			MON. WELL NO.:	MW-303
GRD. SURFACE ELEVATION:		ELEVATION FROM:		CHECKED BY:	

DEPTH (FEET)	DEPTH OF AUGERS OR CASING	BLOWS PER 6"	SAMP REC. / SAMP LENG.	SAMPLING TIME & SAMPLE NO. (QA/QC STATUS)	DEPTH MAT'L CHG./ WELL PROF'L	MATERIAL CLASSIFICATION	USCS	REMARKS (moisture condition; odors; geological classification; rock weathering; etc.)	PID FIELD SCREENING DATA *METHOD* = [PID, (PPM)]
		5	18/24	1117		0-4 in. Brown silty fine SAND (topsoil), 4-9 in., lighter brown as above.	SM		0.1
		13				9-10 in. gravel (granite),	GW		
		16				10-14 in. Yellow brown fine SAND, trace silt.	SP		
2		23				14-18 in. Brown gravelly fine SAND	SP		
		27	12/24	1125		0-6 in. same as above	SP		0.0
		33				6-9 in. asphalt			
		25				9-12 in. Brown fine to medium SAND, some coarse sand and fine angular to rounded	SW		
4	4	32				dry			
		5	10/24	1140		Brownish gray medium SAND, some coarse sand and fine gravel up to 1 in, damp	SW		1.5
		12				Granite gravel in shoe			
		14							
6		12							
		6	10/17	1145		Same as above, petroleum odor, wet	SW		1.1
		8							
		50/5				7½ ft auger refusal; moved forward and continued.			
8	8								
		30	12/15	1330		0-2 in. platy granite gravel, wet	GW	Petroleum odor	10.8
		28				2-10 in. gray medium SAND, trace gravel, wet	SP		
		100/3				10-12 in. brownish gray fine SAND, wet	SP		
10	10								
		30	12/24	1350		0-10 in. brownish gray gravelly fine SAND, trace medium to coarse sand, some silt, wet	SP		11.6
		48				10-12 in. weathered platy granite with rock dust.	GW		
		55				Augered to 14 ft.			
12		22							
									24.0
						Headspace reading from auger cuttings at about 13 ft., noticeable gray color.			
14									
16									

TYPE OF DRILLING RIG:	MOBILE DRILL B-53	Note:	*Tetra Tech NUS, Inc.*
METHOD OF ADVANCING BORING:	4 ¼ HOLLOW STEM AUGER	S = Screening	
METHOD OF SOIL SAMPLING:	2 IN. SPLIT SPOON DRIVEN 30 IN WITH 140 POUND HAMMER	HS = Headspace	
METHOD OF ROCK CORING:	NA	EOB = End of Boring	
GROUNDWATER LEVELS:			
OTHER OBSERVATIONS:	No samples taken from this location	BORING NO.: SB-303	PAGE: 1 OF 1

TtNUS Form 0018

BORING LOG FOR:	ARROWWOOD HOUSING			BORING NO.:	SB-304
PROJECT NO.:	112G00869			START DATE:	11-12-07
LOGGED BY:	R. CLARK	TRANSCRIBED BY:		COMPLETION: DATE:	11-12-07
DRILLED BY (Company/Driller):	NEW ENGLAND BORING / K. GOLOB			MON. WELL NO.:	MW-304
GRD. SURFACE ELEVATION:		ELEVATION FROM:		CHECKED BY:	

DEPTH (FEET)	DEPTH OF AUGERS OR CASING	BLOWS PER 6"	SAMP REC. / SAMP LENG.	SAMPLING TIME & SAMPLE NO. (QA/QC STATUS)	DEPTH MAT'L CHG./ WELL PROF'L	MATERIAL CLASSIFICATION	USCS	REMARKS (moisture condition; odors; geological classification; rock weathering; etc.)	PID FIELD SCREENING DATA *METHOD* = [PID, (PPM)]
		5	12/24	1003		0-6 in. Brown fine SAND, trace medium sand, dry	SP		0.6
		55				6-8 in. Brown subangular to subrounded gravelly fine SAND, up to 1 ½ in., dry.	SP		
		45				8-12 in. light brown WOOD, gravel at bottom 1 ½ in.	FILL		
2		34							
		20	15/24	1009		0-7 in. brown gravelly fine SAND	SP		0.7
		11				7-15 in. orange brown fine SILTY SAND, bright orange at bottom.	SM		
		12							
4	4	27							
		11	18/24	1025		Brown fine to coarse SAND, some rounded gravel up to 1 in., trace silt, dry.	SW		0.2
		18							
		21							
6		30							
		20	15/24	1030		Gray brown fine to coarse SAND, trace fine gravel, wet.	SW	Slight petroleum odor on headspace sample	1.6
		20							
		22							
8	8	30							
						Auger to 10 ft.			
10		3							
		5	12/24	1050		Gray brown fine to coarse SAND and fine rounded GRAVEL, wet.	SW		0.9
		8							
		23							
12									
	13								
						Auger refusal at 13 ft.			
14									
16									

TYPE OF DRILLING RIG:	MOBILE DRILL B-53	Note:	*Tetra Tech NUS, Inc.*
METHOD OF ADVANCING BORING:	4 ¼ HOLLOW STEM AUGER	S = Screening	
METHOD OF SOIL SAMPLING:	2 IN. SPLIT SPOON DRIVEN 30 IN WITH 140 POUND HAMMER	HS = Headspace	
METHOD OF ROCK CORING:	NA	EOB = End of Boring	
GROUNDWATER LEVELS:			
OTHER OBSERVATIONS:	No samples taken from this location	BORING NO.: SB-304	PAGE: 1 OF 1

TtNUS Form 0018

BORING LOG FOR:	ARROWWOOD HOUSING			BORING NO.:	SB-305
PROJECT NO.:	112G00869			START DATE:	11-13-07
LOGGED BY:	R. CLARK	TRANSCRIBED BY:		COMPLETION: DATE:	11-13-07
DRILLED BY (Company/Driller):	NEW ENGLAND BORING / K. GOLOB			MON. WELL NO.:	MW-305
GRD. SURFACE ELEVATION:		ELEVATION FROM:		CHECKED BY:	

DEPTH (FEET)	DEPTH OF AUGERS OR CASING	BLOWS PER 6"	SAMP REC. / SAMP LENG.	SAMPLING TIME & SAMPLE NO. (QA/QC STATUS)	DEPTH MAT'L CHG./ WELL PROF'L	MATERIAL CLASSIFICATION	USCS	REMARKS (moisture condition; odors; geological classification; rock weathering; etc.)	PID FIELD SCREENING DATA *METHOD* = [PID, (PPM)]
		6	14/24	0905		0-3 in. brown SILTY FINE SAND (topsoil), damp.	SM		3.1
		20				3-14 in. brown fine SAND, some coarse sand to fine subrounded gravel up to ½ in., dry	SW		
		22							
2		19							
		12	12/24	0908		Gray to brown same as above.	SW		1.7
		8							
		18							
4	4	18							
		3	8/24	0919		0-3 in., pink broken granite	GW	Petroleum odor	13.2
		6				3-6 in. gray medium SAND, trace fine rounded gravel.	SP		
		20				6-8 in. light brown medium SAND, wet.	SP		
6		15							
		12	12/24	0923		Same as above	SP		0.3
		12							
		12							
8		16							
						Auger to 10 ft due to potential for heaving sands.			----
10	10								
		12	12/24	0940		Brownish gray fine to medium SAND, some coarse sand and fine gravel and silt, wet	SW		0.0
		19							
		15							
12	12	8							
		10	0/6	1000		Recovered 8 in. brown loose gravelly sand, suspect fall-in from above.	---		----
14									
16									

TYPE OF DRILLING RIG:	MOBILE DRILL B-53	Note:	*Tetra Tech NUS, Inc.*
METHOD OF ADVANCING BORING:	4 ¼ HOLLOW STEM AUGER	S = Screening	
METHOD OF SOIL SAMPLING:	2 IN. SPLIT SPOON DRIVEN 30 IN WITH 140 POUND HAMMER	HS = Headspace	
METHOD OF ROCK CORING:	NA	EOB = End of Boring	
GROUNDWATER LEVELS:			
OTHER OBSERVATIONS:	No samples taken from this location	BORING NO.: SB-305	PAGE: 1 OF 1

TtNUS Form 0018

BORING LOG FOR:	ARROWWOOD HOUSING			BORING NO.:	SB-401
PROJECT NO.:	112G00869			START DATE:	11-19-07
LOGGED BY:	R. CLARK	TRANSCRIBED BY:		COMPLETION: DATE:	11-19-07
DRILLED BY (Company/Driller):	NEW ENGLAND BORING / K. GOLOB			MON. WELL NO.:	MW-401
GRD. SURFACE ELEVATION:		ELEVATION FROM:		CHECKED BY:	

DEPTH (FEET)	DEPTH OF AUGERS OR CASING	BLOWS PER 6"	SAMP REC. / SAMP LENG.	SAMPLING TIME & SAMPLE NO. (QA/QC STATUS)	DEPTH MAT'L CHG./ WELL PROF'L	MATERIAL CLASSIFICATION	USCS	REMARKS (moisture condition; odors; geological classification; rock weathering; etc.)	PID FIELD SCREENING DATA *METHOD* = [PID, (PPM)]
		15	20/24	0909		0-3 in., Brown silty fine sand (topsoil).	SM		0.1
		19				3-20 in., Brown subrounded to subangular gravelly fine to medium SAND, trace coarse	SW		
		22				Trace silt, dry.			
2		25							
		81	12/24	0915		Brown fine to coarse GRAVELLY (subangular to rounded; up to 1 in.) SAND, trace silt, dry.	SW		0.4
		35							
		34							
4	4	18							
		40	9/24	0930		0-4 in., Brown SILTY FINE SAND	SM		0.3
		61				4-9 in., gray platy GRANITE FRAGMENTS with ROCK DUST, dry.	GW		
		18							
6		10							
		21	10/24			0-8 in., Brownish gray SILT, some gravel	GM		0.2
		16				8-10 in., Rusty brown GRAVELLY MEDIUM SAND, wet.	SP		
		19							
8		22							
						Auger to 10 ft.			---
10	10								
		8	13/13	0950		Brown medium SAND, little coarse sand and fine gravel up to 1 in., gravel in shoe.	SW		1.5
		40							
		50/1							
12									
						Auger refusal 12 ½ ft.			
14									
16									

TYPE OF DRILLING RIG:	MOBILE DRILL B-53	Note:	*Tetra Tech NUS, Inc.*
METHOD OF ADVANCING BORING:	4 ¼ HOLLOW STEM AUGER	S = Screening	
METHOD OF SOIL SAMPLING:	2 IN. SPLIT SPOON DRIVEN 30 IN WITH 140 POUND HAMMER	HS = Headspace	
METHOD OF ROCK CORING:	NA	EOB = End of Boring	
GROUNDWATER LEVELS:			
OTHER OBSERVATIONS:	No samples taken from this location	BORING NO.: SB-401	PAGE: 1 OF 1

TtNUS Form 0018

BORING LOG FOR:	ARROWWOOD HOUSING			BORING NO.:	SB-402
PROJECT NO.:	112G00869			START DATE:	11-16-07
LOGGED BY:	R. CLARK	TRANSCRIBED BY:		COMPLETION: DATE:	11-16-07
DRILLED BY (Company/Driller):	NEW ENGLAND BORING / K. GOLOB			MON. WELL NO.:	MW-402
GRD. SURFACE ELEVATION:		ELEVATION FROM:		CHECKED BY:	

DEPTH (FEET)	DEPTH OF AUGERS OR CASING	BLOWS PER 6"	SAMP REC. / SAMP LENG.	SAMPLING TIME & SAMPLE NO. (QA/QC STATUS)	DEPTH MAT'L CHG./ WELL PROF'L	MATERIAL CLASSIFICATION	USCS	REMARKS (moisture condition; odors; geological classification; rock weathering; etc.)	PID FIELD SCREENING DATA *METHOD* = [PID, (PPM)]
		10	14/24	0820		0-2 in., Brown topsoil	SM		0.0
		14				2-14 in., Brown subangular gravelly fine to coarse SAND (gravel up to 1 in.), dry.	SW		
		12							
2		15							
		9	13/24	0825		Brown medium SAND, some coarse sand and fine rounded gravel up to ½ in., trace silt,	SW		0.0
		7							
		7							
4	4	9							
		9	4/11	0835		Brownish gray GRAVEL up to 2 in., some medium sand and rock dust, dry	GW		0.0
		100/5				Gravel is fine grained granite with black platy mineral			
6	6								
		50/0	0/0			Spoon bounced			---
8	8								
		40	12/24	0900		Gray sandy subangular GRAVEL up to 1 in., wet.	GW	petroleum odor	259
		62							
		45							
10	10	50							
		15	19/24	0920		Gray fine to medium SAND, some coarse sand and fine subrounded gravel up to ¾ in., wet	SW	Petroleum odor	67.6
		20							
		24							
12		40							
						Augered to 15 ft			
						Driller reports that it feels like till.			
14									
16									

TYPE OF DRILLING RIG:	MOBILE DRILL B-53	Note:	*Tetra Tech NUS, Inc.*
METHOD OF ADVANCING BORING:	4 ¼ HOLLOW STEM AUGER	S = Screening	
METHOD OF SOIL SAMPLING:	2 IN. SPLIT SPOON DRIVEN 30 IN WITH 140 POUND HAMMER	HS = Headspace	
METHOD OF ROCK CORING:	NA	EOB = End of Boring	
GROUNDWATER LEVELS:			
OTHER OBSERVATIONS:	No samples taken from this location	BORING NO.: SB-402	PAGE: 1 OF 1

TtNUS Form 0018

BORING LOG FOR:	ARROWWOOD HOUSING	BORING NO.:	SB-403
PROJECT NO.:	112G00869	START DATE:	11-16-07
LOGGED BY:	R. CLARK	TRANSCRIBED BY:	
COMPLETION: DATE:	11-16-07
DRILLED BY (Company/Driller):	NEW ENGLAND BORING / K. GOLOB	MON. WELL NO.:	MW-403
GRD. SURFACE ELEVATION:		ELEVATION FROM:	
CHECKED BY:	

DEPTH (FEET)	DEPTH OF AUGERS OR CASING	BLOWS PER 6"	SAMP REC. / SAMP LENG.	SAMPLING TIME & SAMPLE NO. (QA/QC STATUS)	DEPTH MAT'L CHG./ WELL PROF'L	MATERIAL CLASSIFICATION	USCS	REMARKS (moisture condition; odors; geological classification; rock weathering; etc.)	PID FIELD SCREENING DATA *METHOD* = [PID, (PPM)]
		8	16/24	1100		0-2 in., Brown silty SAND (topsoil)	SM		0.2
		8				2-16 in., Brown subangular to subrounded GRAVEL up to 1 ½ in., fine SAND, trace silt,	GW		
		18							
2		25							
		15	15/24	1105		Dark brown fine silty SAND, some subrounded to subangular gravel up to 1 in., dry	SM		3.0
		15				Asphalt from 5-6 in.	FILL		
		16							
4	4	18							
		10	3/24	1115		Same as above, no asphalt	SM		0.7
		14							
		16							
6		13							
		8	1/24	1120		Same as above.	SM	petroleum odor	0.9
		2							
		2							
8	8	1							
		10	12/24	1135		Gray fine to medium SAND, some gravel up to ½ in., trace silt, gravel in shoe, wet.	SW	petroleum odor	77.3
		17							
		19							
10		25							
						Auger to 12 ft			14.6*
						*Headspace reading on auger cuttings			
12									
						Auger refusal at 12 ft, historical data indicated bedrock at 12 ft.			
14									
16									

TYPE OF DRILLING RIG:	MOBILE DRILL B-53	Note:	*Tetra Tech NUS, Inc.*
METHOD OF ADVANCING BORING:	4 ¼ HOLLOW STEM AUGER	S = Screening	
METHOD OF SOIL SAMPLING:	2 IN. SPLIT SPOON DRIVEN 30 IN WITH 140 POUND HAMMER	HS = Headspace	
METHOD OF ROCK CORING:	NA	EOB = End of Boring	
GROUNDWATER LEVELS:			
OTHER OBSERVATIONS:	No samples taken from this location	BORING NO.: SB-403	PAGE: 1 OF 1

TtNUS Form 0018

BORING LOG FOR:	ARROWWOOD HOUSING			BORING NO.:	SB-404
PROJECT NO.:	112G00869			START DATE:	11-19-07
LOGGED BY:	R. CLARK	TRANSCRIBED BY:		COMPLETION: DATE:	11-19-07
DRILLED BY (Company/Driller):	NEW ENGLAND BORING / K. GOLOB			MON. WELL NO.:	MW-404
GRD. SURFACE ELEVATION:		ELEVATION FROM:		CHECKED BY:	

DEPTH (FEET)	DEPTH OF AUGERS OR CASING	BLOWS PER 6"	SAMP REC. / SAMP LENG.	SAMPLING TIME & SAMPLE NO. (QA/QC STATUS)	DEPTH MAT'L CHG./ WELL PROF'L	MATERIAL CLASSIFICATION	USCS	REMARKS (moisture condition; odors; geological classification; rock weathering; etc.)	PID FIELD SCREENING DATA *METHOD* = [PID, (PPM)]
		7	24/24	1125		Brown FINE SAND, trace fine rounded gravel up to ½ in., dry.	SP		0.7
		8							
		8							
2		10							
		28	12/24	1129		0-5 in., Brown medium to coarse SAND	SW		0.1
		21				5-6 in., large gravel	GP		
		13				6-12 in., gray SILT.	ML		
4	4	14				No recovery at 4 ft - auger refusal, moved rig and continued.			
		2	14/24	1205		Dark brown organics and gray silt	OL		0.4
		3				Wood from 11-12 in.			
		2							
6		2							
		7	9/24	1208		Gray SILT and fine SAND, trace rounded gravel up to 1 in., wet at bottom.	SM		0.4
		13							
		14							
8		14							
		13	14/24	1245		0-7 in., fine to medium SAND and fine subrounded GRAVEL up to 1 in.	SW		0.6
		12				7-14 in., gray fine SAND, wet.	SP		
		9							
10		6							
						Auger to 12 ft.			
12									
		7	24/24			Gray gravelly (subangular to subrounded up to 1 in.) medium SAND, some fine and coarse	SW		0.2
		16				Sand, wet			
		15							
14		17							
						Auger to 15 ft.			
16									

TYPE OF DRILLING RIG:	MOBILE DRILL B-53	Note:	*Tetra Tech NUS, Inc.*
METHOD OF ADVANCING BORING:	4 ¼ HOLLOW STEM AUGER	S = Screening	
METHOD OF SOIL SAMPLING:	2 IN. SPLIT SPOON DRIVEN 30 IN WITH 140 POUND HAMMER	HS = Headspace	
METHOD OF ROCK CORING:	NA	EOB = End of Boring	
GROUNDWATER LEVELS:			
OTHER OBSERVATIONS:	No samples taken from this location	BORING NO.: SB-404	PAGE: 1 OF 1

TtNUS Form 0018

APPENDIX B

WELL CONSTRUCTION LOGS

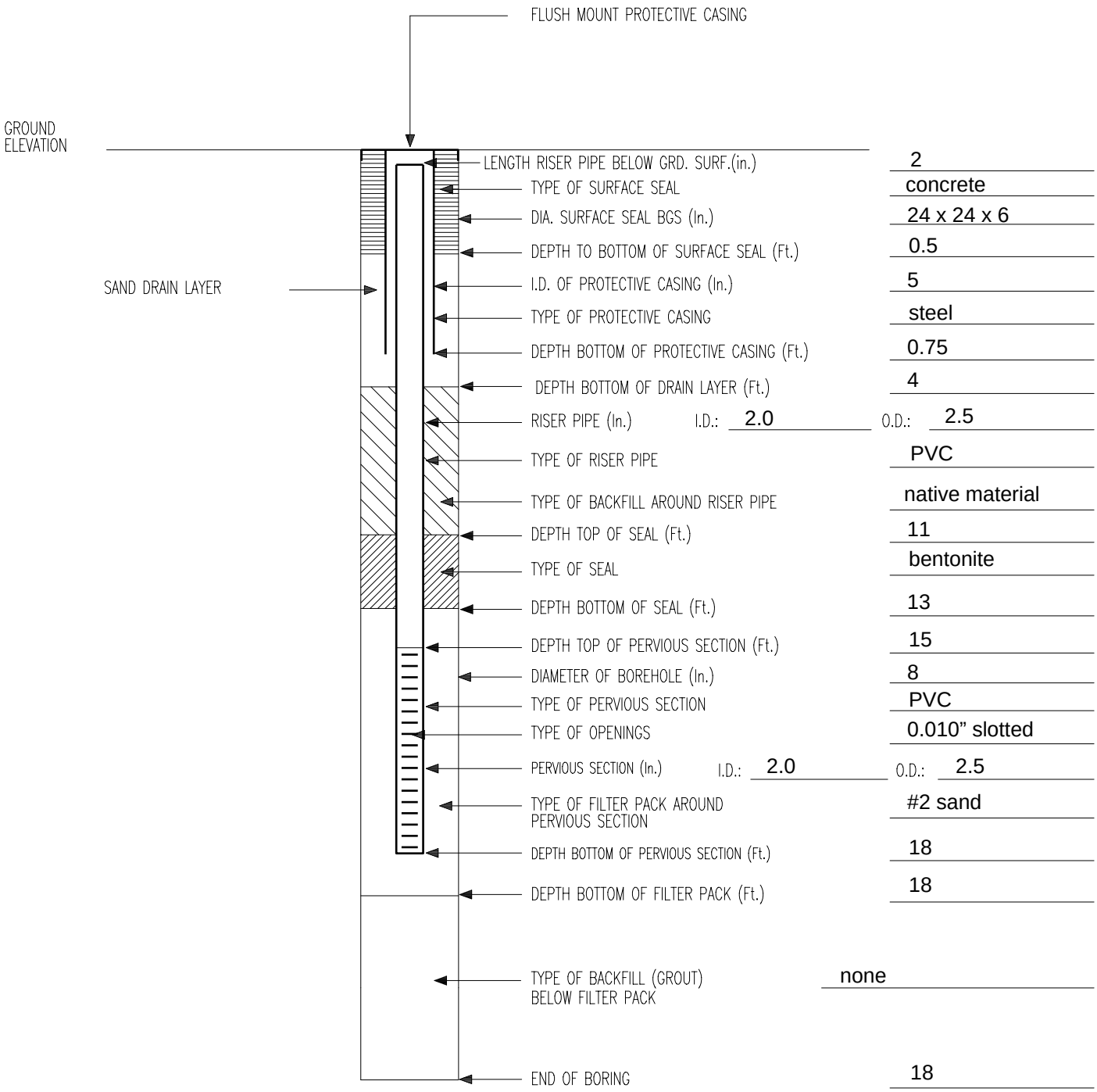
FLUSH MOUNT MONITORING WELL CONSTRUCTION LOG

TETRA TECH NUS INC.

PROJECT NAME:	Arrowwood Housing Sites	PROJECT NO:	G00869-0410
PROJECT LOCATION:	Naval Submarine Base New London, Groton, CT	WELL NO:	MW-101
CLIENT:	NAVFAC Mid-Atlantic	BORING NO:	SB-101
CONTRACTOR:	New England Boring	DRILLER:	M. St. John
LOGGED BY:	R. Clark	DATE:	11/20/2007
CHECKED BY:	S. Vetere	DATE:	12/5/2007

BORING LOCATION: 47/49 Arrowwood Drive
Upgradient of Former UST

PAGE: 1 OF 1



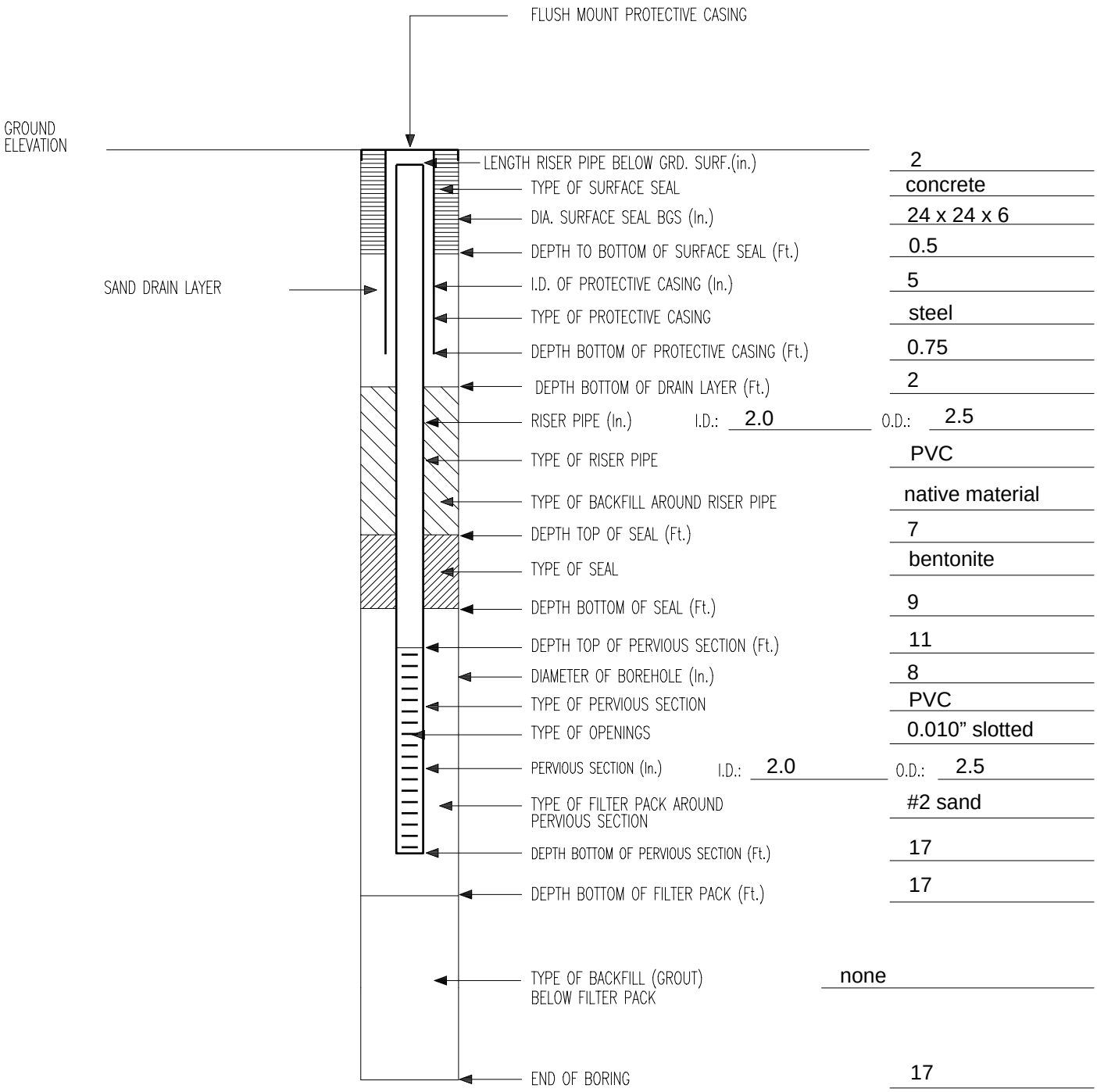
TtNUS Form 0058

FLUSH MOUNT MONITORING WELL CONSTRUCTION LOG

TETRA TECH NUS INC.

PROJECT NAME:	Arrowwood Housing Sites	PROJECT NO:	G00869-0410
PROJECT LOCATION:	Naval Submarine Base New London, Groton, CT	WELL NO:	MW-102
CLIENT:	NAVFAC Mid-Atlantic	BORING NO:	SB-102
CONTRACTOR:	New England Boring	BORING LOCATION:	47/49 Arrowwood Drive
DRILLER:	M. St. John		Former UST Location
LOGGED BY:	R. Clark	DATE:	11/21/2007
CHECKED BY:	S. Vetere	DATE:	12/5/2007

PAGE: 1 OF 1



LENGTH RISER PIPE BELOW GRD. SURF.(in.)	2
TYPE OF SURFACE SEAL	concrete
DIA. SURFACE SEAL BGS (In.)	24 x 24 x 6
DEPTH TO BOTTOM OF SURFACE SEAL (Ft.)	0.5
I.D. OF PROTECTIVE CASING (In.)	5
TYPE OF PROTECTIVE CASING	steel
DEPTH BOTTOM OF PROTECTIVE CASING (Ft.)	0.75
DEPTH BOTTOM OF DRAIN LAYER (Ft.)	2
RISER PIPE (In.) I.D.: 2.0 O.D.:	2.5
TYPE OF RISER PIPE	PVC
TYPE OF BACKFILL AROUND RISER PIPE	native material
DEPTH TOP OF SEAL (Ft.)	7
TYPE OF SEAL	bentonite
DEPTH BOTTOM OF SEAL (Ft.)	9
DEPTH TOP OF PERVIOUS SECTION (Ft.)	11
DIAMETER OF BOREHOLE (In.)	8
TYPE OF PERVIOUS SECTION	PVC
TYPE OF OPENINGS	0.010” slotted
PERVIOUS SECTION (In.) I.D.: 2.0 O.D.:	2.5
TYPE OF FILTER PACK AROUND PERVIOUS SECTION	#2 sand
DEPTH BOTTOM OF PERVIOUS SECTION (Ft.)	17
DEPTH BOTTOM OF FILTER PACK (Ft.)	17
TYPE OF BACKFILL (GROUT) BELOW FILTER PACK	none
END OF BORING	17

TtNUS Form 0058

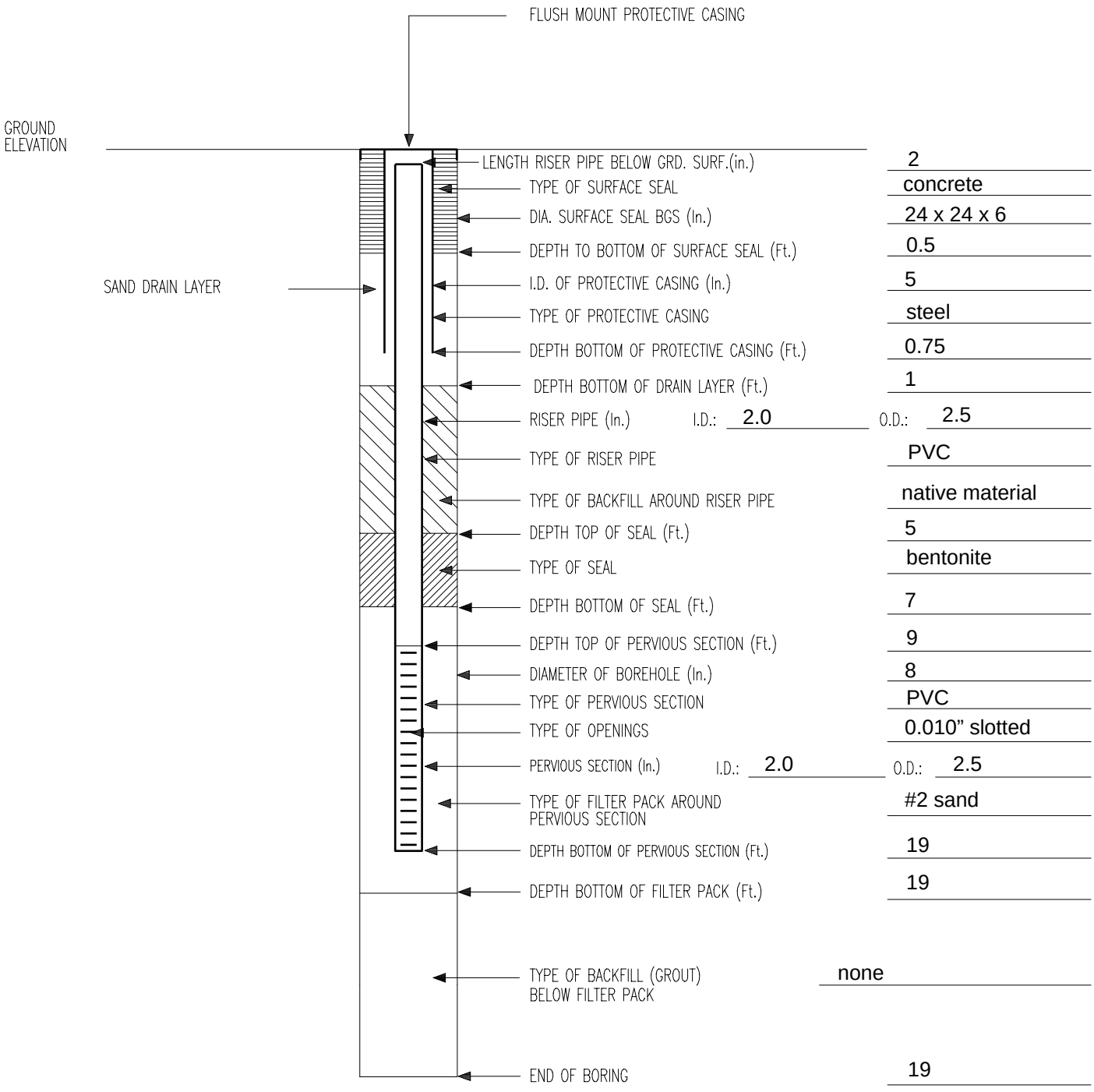
FLUSH MOUNT MONITORING WELL CONSTRUCTION LOG

TETRA TECH NUS INC.

PROJECT NAME:	Arrowwood Housing Sites	PROJECT NO:	G00869-0410
PROJECT LOCATION:	Naval Submarine Base New London, Groton, CT	WELL NO:	MW-103
CLIENT:	NAVFAC Mid-Atlantic	BORING NO:	SB-103
CONTRACTOR:	New England Boring	DRILLER:	M. St. John
LOGGED BY:	R. Clark	DATE:	11/21/2007
CHECKED BY:	S. Vetere	DATE:	12/5/2007

BORING LOCATION: 47/49 Arrowwood Drive Downgradient of Former UST

PAGE: 1 OF 1



TtNUS Form 0058

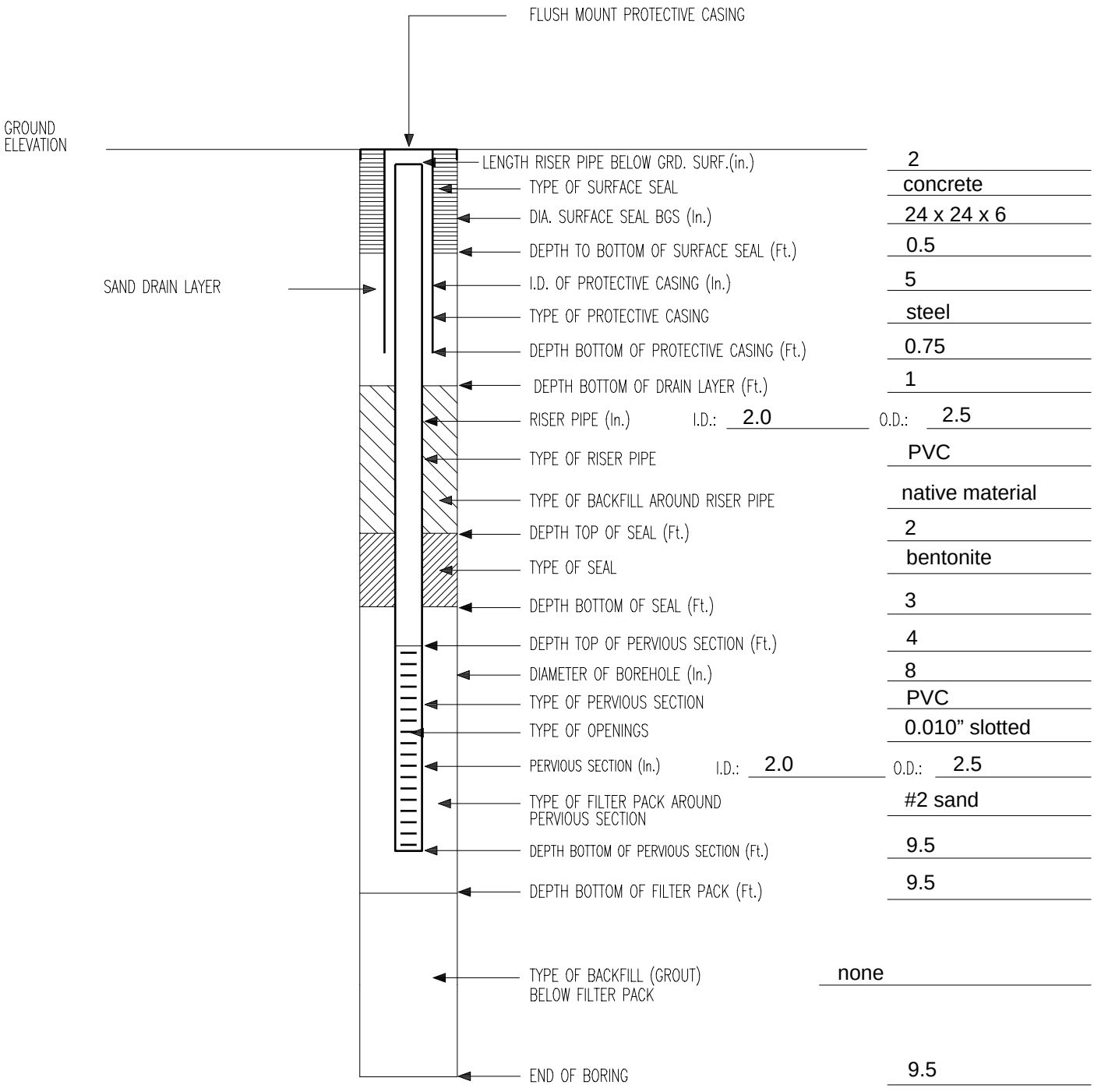
FLUSH MOUNT MONITORING WELL CONSTRUCTION LOG

TETRA TECH NUS INC.

PROJECT NAME:	Arrowwood Housing Sites	PROJECT NO:	G00869-0410
PROJECT LOCATION:	Naval Submarine Base New London, Groton, CT	WELL NO:	MW-104
CLIENT:	NAVFAC Mid-Atlantic	BORING NO:	SB-104
CONTRACTOR:	New England Boring	DRILLER:	M. St. John
LOGGED BY:	R. Clark	DATE:	11/20/2007
CHECKED BY:	S. Vetere	DATE:	12/5/2007

BORING LOCATION: 47/49 Arrowwood Drive
Downgradient of Former UST

PAGE: 1 OF 1

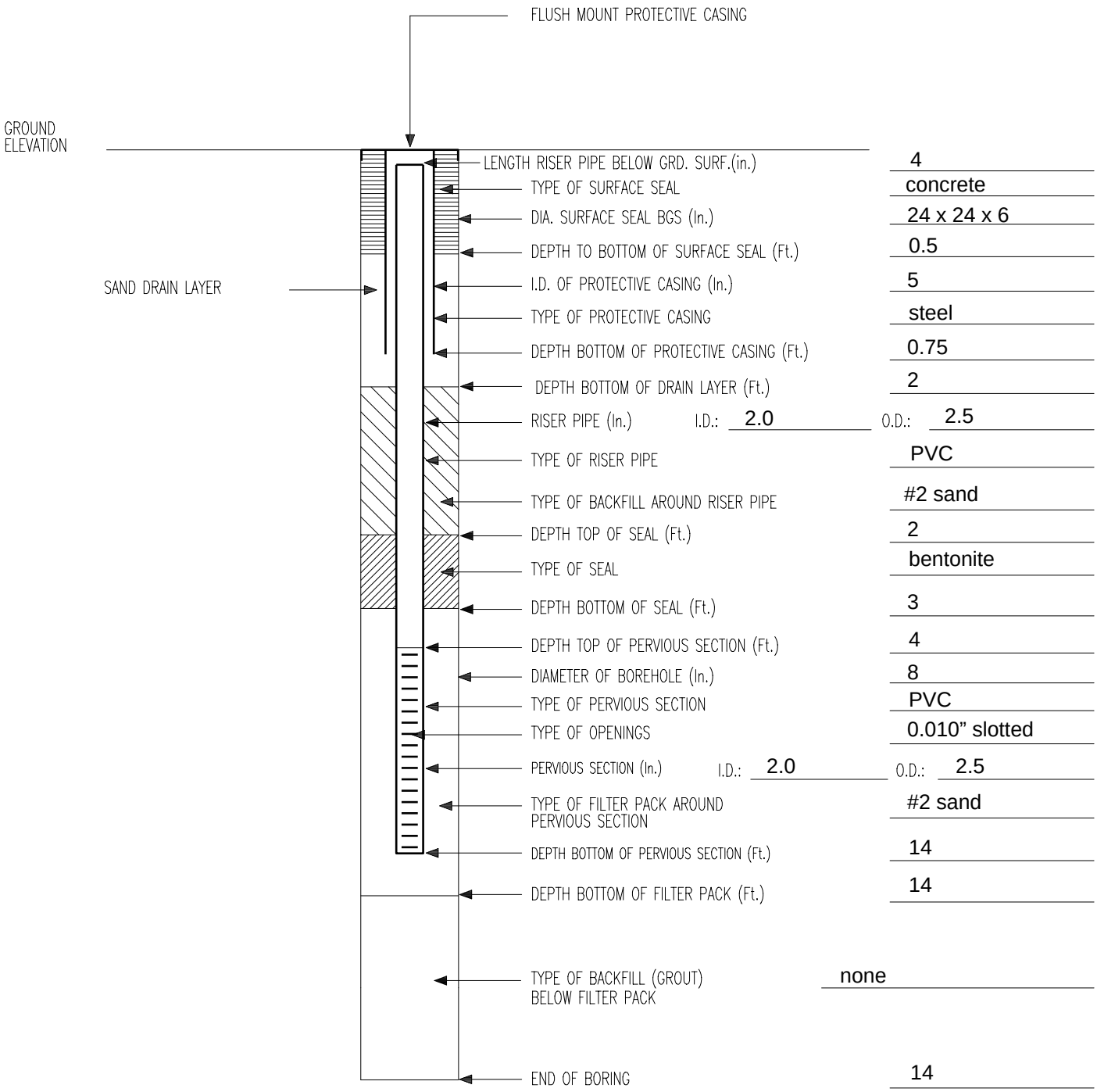


TtNUS Form 0058

FLUSH MOUNT MONITORING WELL CONSTRUCTION LOG

TETRA TECH NUS INC.

PROJECT NAME:	Arrowwood Housing Sites	PROJECT NO:	G00869-0410
PROJECT LOCATION:	Naval Submarine Base New London, Groton, CT	WELL NO:	MW-201
CLIENT:	NAVFAC Mid-Atlantic	BORING NO:	SB-201
CONTRACTOR:	New England Boring	BORING LOCATION:	109/113 Arrowwood Drive
DRILLER:	K. Golob		Upgradient of Former UST
LOGGED BY:	R. Clark	DATE:	11/15/2007
CHECKED BY:	S. Vetere	DATE:	12/5/2007
		PAGE:	1 OF 1



TtNUS Form 0058

FLUSH MOUNT MONITORING WELL CONSTRUCTION LOG

TETRA TECH NUS INC.

PROJECT NAME:	Arrowwood Housing Sites	PROJECT NO:	G00869-0410
PROJECT LOCATION:	Naval Submarine Base New London, Groton, CT	WELL NO:	MW-202
CLIENT:	NAVFAC Mid-Atlantic	BORING NO:	SB-202
CONTRACTOR:	New England Boring	BORING LOCATION:	109/113 Arrowwood Drive
DRILLER:	K. Golob		Within Former UST area
LOGGED BY:	J. Traut	DATE:	11/29/2007
CHECKED BY:	S. Vetere	DATE:	12/5/2007

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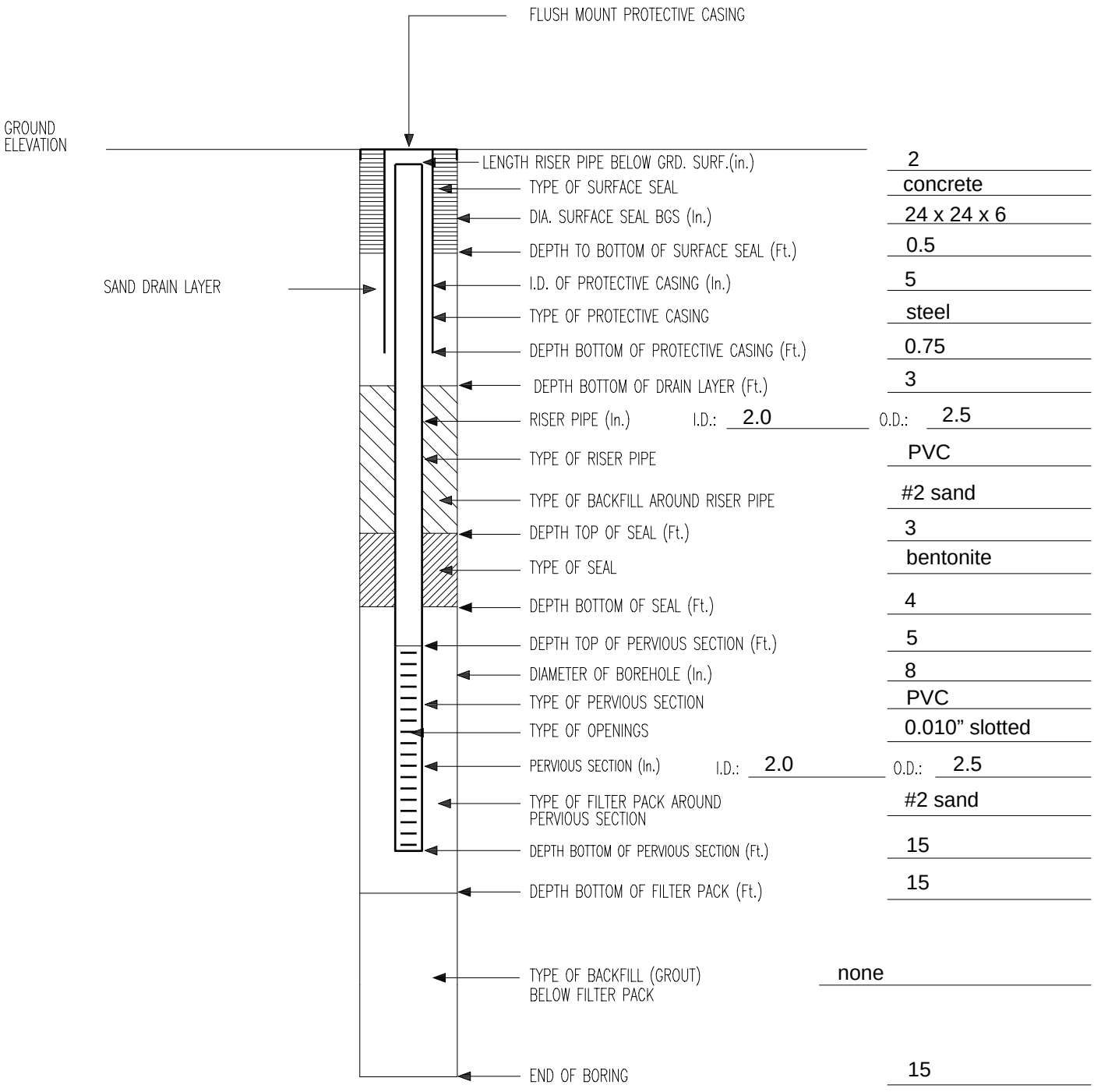

TtNUS Form 0058

FLUSH MOUNT MONITORING WELL CONSTRUCTION LOG

TETRA TECH NUS INC.

PROJECT NAME:	Arrowwood Housing Sites	PROJECT NO:	G00869-0410
PROJECT LOCATION:	Naval Submarine Base New London, Groton, CT	WELL NO:	MW-301
CLIENT:	NAVFAC Mid-Atlantic	BORING NO:	SB-301
CONTRACTOR:	New England Boring	BORING LOCATION:	122/124 Arrowwood Drive
DRILLER:	K. Golob		Upgradient of former UST area
LOGGED BY:	R. Clark	DATE:	11/12/2007
CHECKED BY:	S. Vetere	DATE:	12/5/2007

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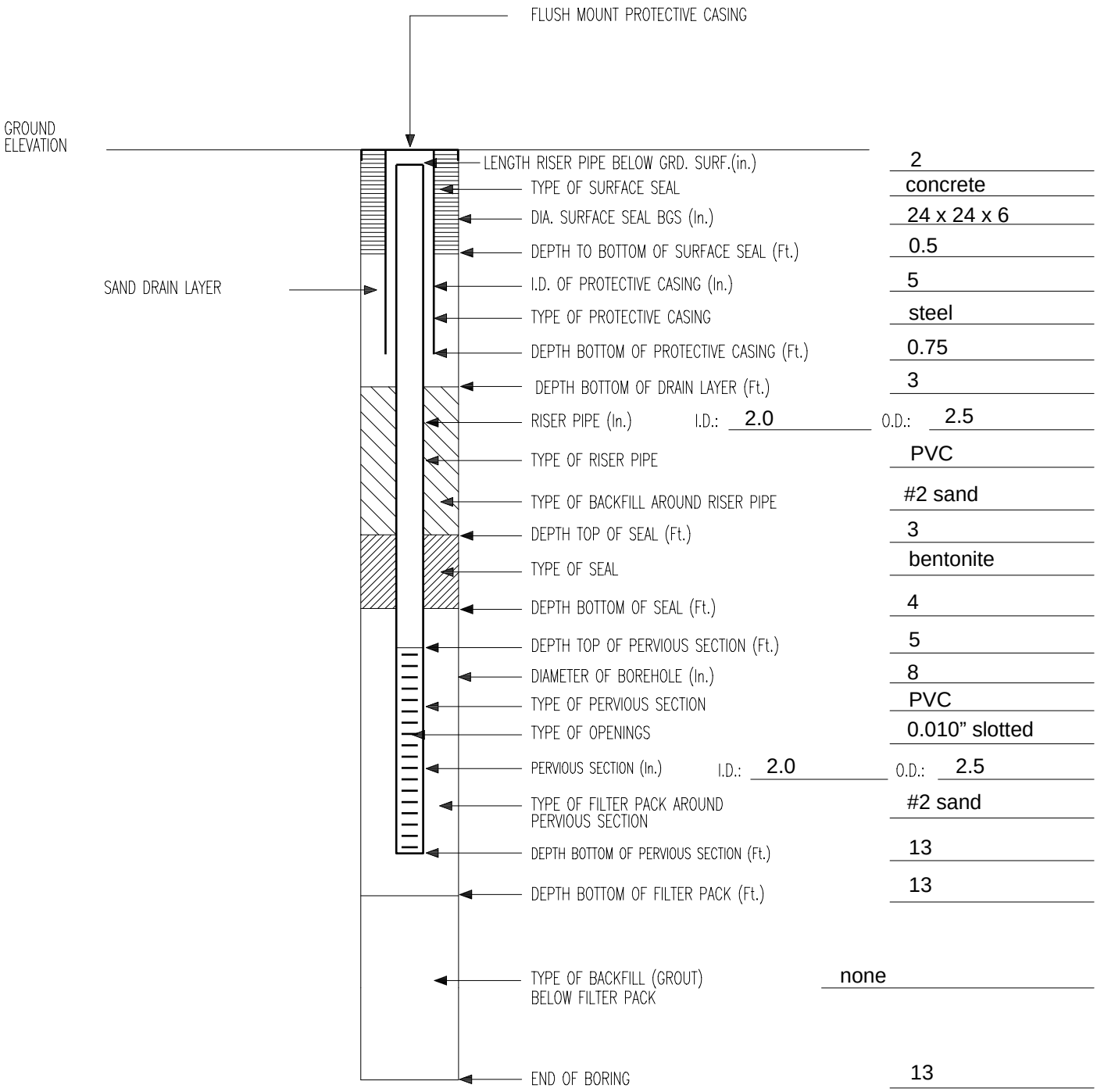

TtNUS Form 0058

FLUSH MOUNT MONITORING WELL CONSTRUCTION LOG

TETRA TECH NUS INC.

PROJECT NAME:	Arrowwood Housing Sites	PROJECT NO:	G00869-0410
PROJECT LOCATION:	Naval Submarine Base New London, Groton, CT	WELL NO:	MW-302
CLIENT:	NAVFAC Mid-Atlantic	BORING NO:	SB-302
CONTRACTOR:	New England Boring	DRILLER:	K. Golob
LOGGED BY:	R. Clark	DATE:	11/13/2007
CHECKED BY:	S. Vetere	DATE:	12/5/2007

BORING LOCATION: 122/124 Arrowwood Drive
Upgradient of former UST area

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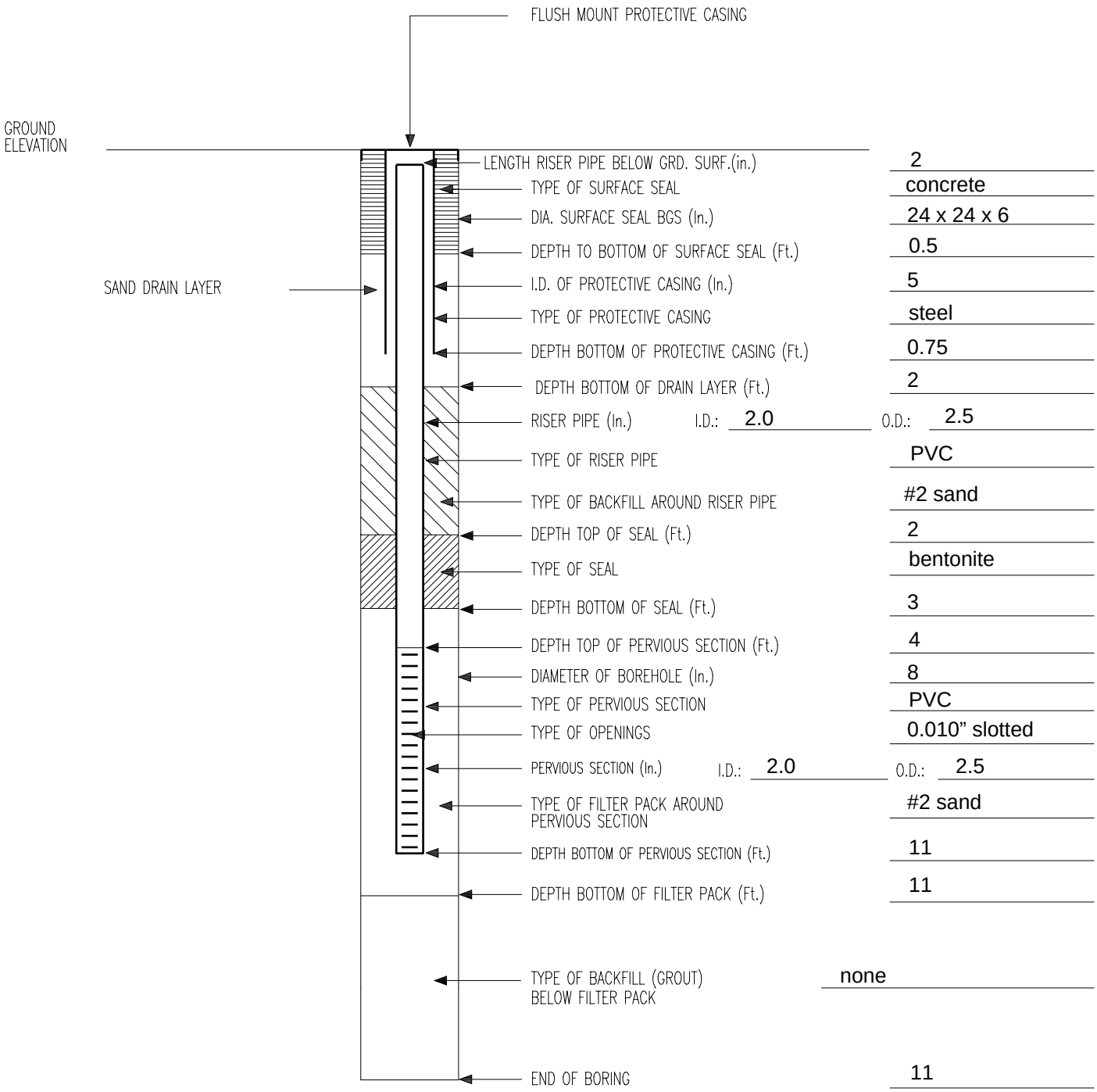


LENGTH RISER PIPE BELOW GRD. SURF.(in.)	2
TYPE OF SURFACE SEAL	concrete
DIA. SURFACE SEAL BGS (In.)	24 x 24 x 6
DEPTH TO BOTTOM OF SURFACE SEAL (Ft.)	0.5
I.D. OF PROTECTIVE CASING (In.)	5
TYPE OF PROTECTIVE CASING	steel
DEPTH BOTTOM OF PROTECTIVE CASING (Ft.)	0.75
DEPTH BOTTOM OF DRAIN LAYER (Ft.)	2
RISER PIPE (In.) I.D.: 2.0 O.D.:	2.5
TYPE OF RISER PIPE	PVC
TYPE OF BACKFILL AROUND RISER PIPE	#2 sand
DEPTH TOP OF SEAL (Ft.)	2
TYPE OF SEAL	bentonite
DEPTH BOTTOM OF SEAL (Ft.)	3
DEPTH TOP OF PERVIOUS SECTION (Ft.)	4
DIAMETER OF BOREHOLE (In.)	8
TYPE OF PERVIOUS SECTION	PVC
TYPE OF OPENINGS	0.010” slotted
PERVIOUS SECTION (In.) I.D.: 2.0 O.D.:	2.5
TYPE OF FILTER PACK AROUND PERVIOUS SECTION	#2 sand
DEPTH BOTTOM OF PERVIOUS SECTION (Ft.)	11
DEPTH BOTTOM OF FILTER PACK (Ft.)	11
TYPE OF BACKFILL (GROUT) BELOW FILTER PACK	none
END OF BORING	11

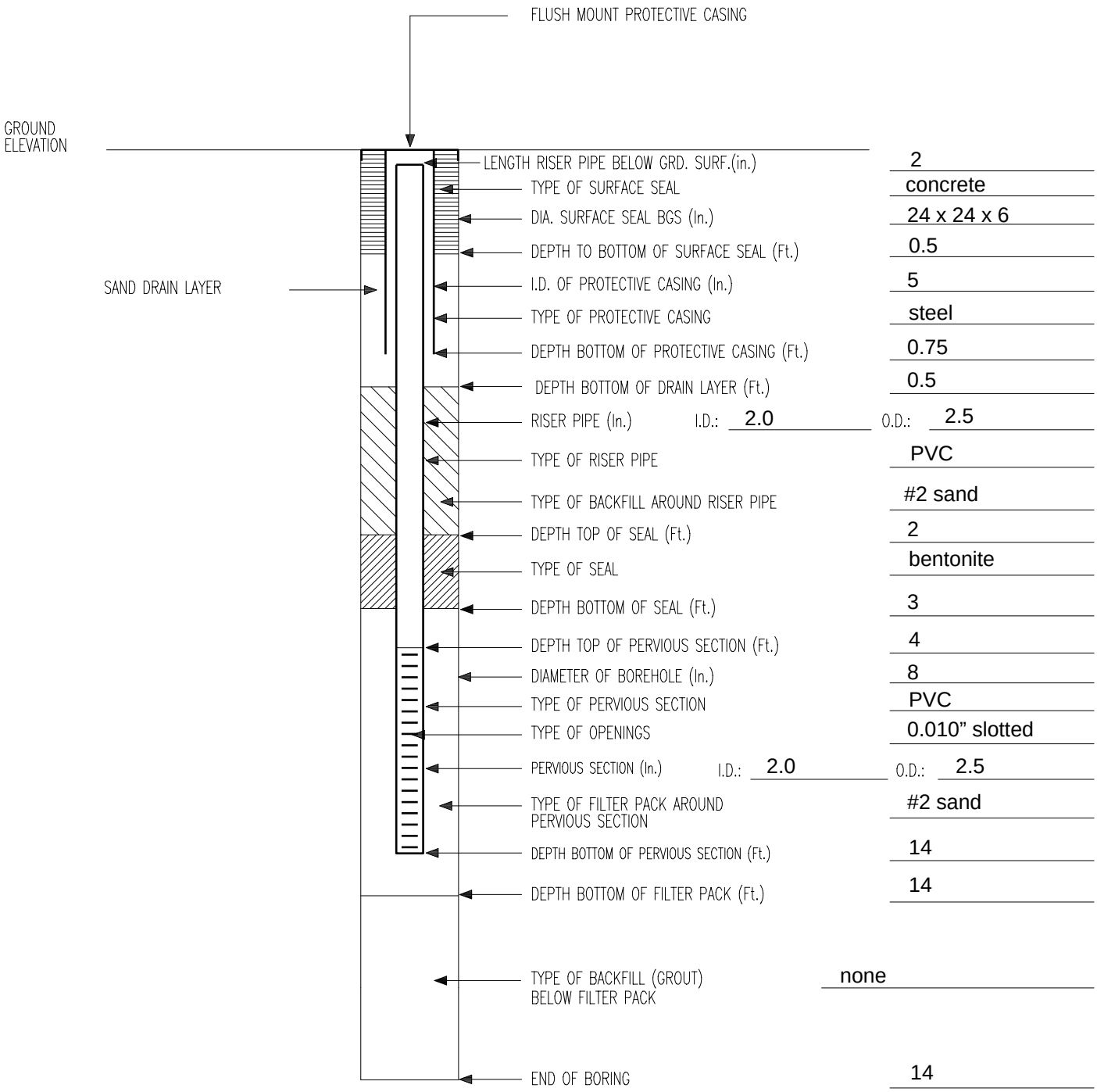
TtNUS Form 0058

FLUSH MOUNT MONITORING WELL CONSTRUCTION LOG

TETRA TECH NUS INC.

PROJECT NAME:	Arrowwood Housing Sites	PROJECT NO:	G00869-0410
PROJECT LOCATION:	Naval Submarine Base New London, Groton, CT	WELL NO:	MW-303
CLIENT:	NAVFAC Mid-Atlantic	BORING NO:	SB-303
CONTRACTOR:	New England Boring	BORING LOCATION:	122/124 Arrowwood Drive
DRILLER:	K. Golob		Within former UST area
LOGGED BY:	R. Clark	DATE:	11/13/2007
CHECKED BY:	S. Vetere	DATE:	12/5/2007

PAGE: 1 OF 1



LENGTH RISER PIPE BELOW GRD. SURF.(in.)	2
TYPE OF SURFACE SEAL	concrete
DIA. SURFACE SEAL BGS (In.)	24 x 24 x 6
DEPTH TO BOTTOM OF SURFACE SEAL (Ft.)	0.5
I.D. OF PROTECTIVE CASING (In.)	5
TYPE OF PROTECTIVE CASING	steel
DEPTH BOTTOM OF PROTECTIVE CASING (Ft.)	0.75
DEPTH BOTTOM OF DRAIN LAYER (Ft.)	0.5
RISER PIPE (In.) I.D.: 2.0 O.D.:	2.5
TYPE OF RISER PIPE	PVC
TYPE OF BACKFILL AROUND RISER PIPE	#2 sand
DEPTH TOP OF SEAL (Ft.)	2
TYPE OF SEAL	bentonite
DEPTH BOTTOM OF SEAL (Ft.)	3
DEPTH TOP OF PERVIOUS SECTION (Ft.)	4
DIAMETER OF BOREHOLE (In.)	8
TYPE OF PERVIOUS SECTION	PVC
TYPE OF OPENINGS	0.010” slotted
PERVIOUS SECTION (In.) I.D.: 2.0 O.D.:	2.5
TYPE OF FILTER PACK AROUND PERVIOUS SECTION	#2 sand
DEPTH BOTTOM OF PERVIOUS SECTION (Ft.)	14
DEPTH BOTTOM OF FILTER PACK (Ft.)	14
TYPE OF BACKFILL (GROUT) BELOW FILTER PACK	none
END OF BORING	14

TtNUS Form 0058

FLUSH MOUNT MONITORING WELL CONSTRUCTION LOG

TETRA TECH NUS INC.

PROJECT NAME:	Arrowwood Housing Sites	PROJECT NO:	G00869-0410
PROJECT LOCATION:	Naval Submarine Base New London, Groton, CT	WELL NO:	MW-304
CLIENT:	NAVFAC Mid-Atlantic	BORING NO:	SB-304
CONTRACTOR:	New England Boring	BORING LOCATION:	122/124 Arrowwood Drive
DRILLER:	K. Golob		Downgradient of former UST
LOGGED BY:	R. Clark	DATE:	11/12/2007
CHECKED BY:	S. Vetere	DATE:	12/5/2007

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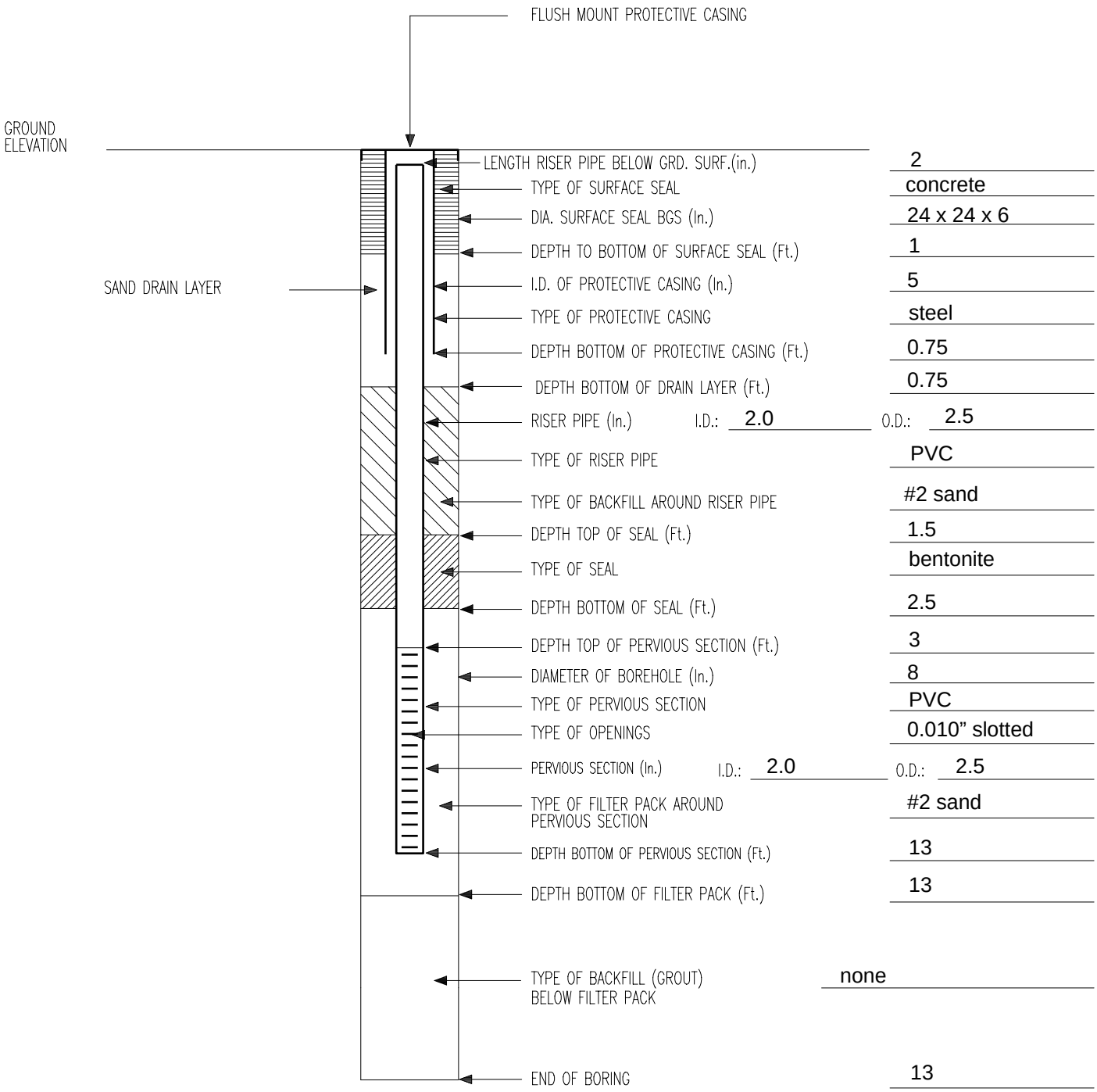

TtNUS Form 0058

FLUSH MOUNT MONITORING WELL CONSTRUCTION LOG

TETRA TECH NUS INC.

PROJECT NAME:	Arrowwood Housing Sites	PROJECT NO:	G00869-0410
PROJECT LOCATION:	Naval Submarine Base New London, Groton, CT	WELL NO:	MW-305
CLIENT:	NAVFAC Mid-Atlantic	BORING NO:	SB-305
CONTRACTOR:	New England Boring	DRILLER:	K. Golob
LOGGED BY:	R. Clark	DATE:	11/13/2007
CHECKED BY:	S. Vetere	DATE:	12/5/2007

BORING LOCATION:
122/124 Arrowwood Drive
Downgradient of former UST

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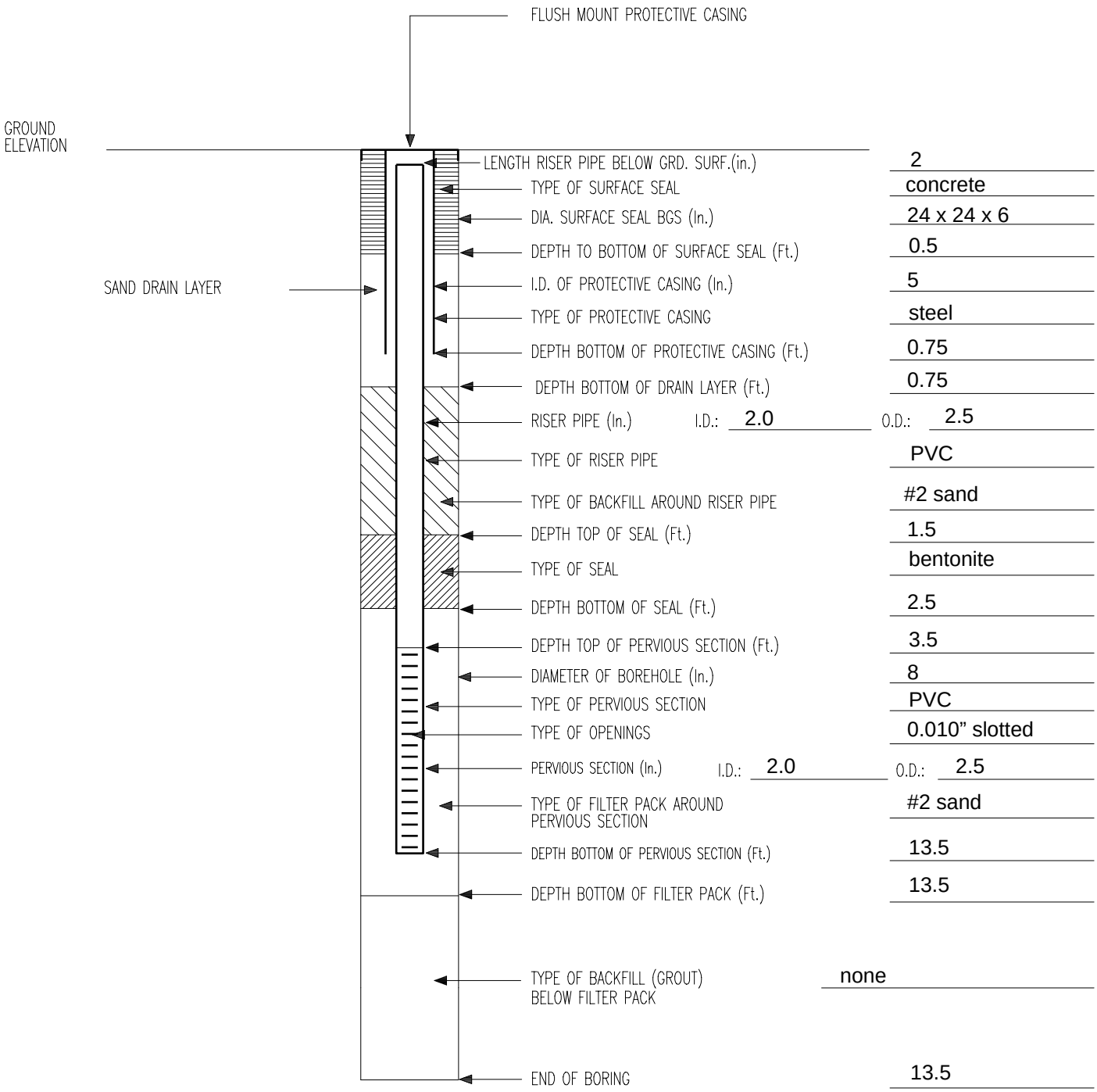

LENGTH RISER PIPE BELOW GRD. SURF.(in.)	2
TYPE OF SURFACE SEAL	concrete
DIA. SURFACE SEAL BGS (In.)	24 x 24 x 6
DEPTH TO BOTTOM OF SURFACE SEAL (Ft.)	0.5
I.D. OF PROTECTIVE CASING (In.)	5
TYPE OF PROTECTIVE CASING	steel
DEPTH BOTTOM OF PROTECTIVE CASING (Ft.)	0.75
DEPTH BOTTOM OF DRAIN LAYER (Ft.)	0.75
RISER PIPE (In.) I.D.: 2.0 O.D.:	2.5
TYPE OF RISER PIPE	PVC
TYPE OF BACKFILL AROUND RISER PIPE	#2 sand
DEPTH TOP OF SEAL (Ft.)	1.5
TYPE OF SEAL	bentonite
DEPTH BOTTOM OF SEAL (Ft.)	2.5
DEPTH TOP OF PERVIOUS SECTION (Ft.)	3.5
DIAMETER OF BOREHOLE (In.)	8
TYPE OF PERVIOUS SECTION	PVC
TYPE OF OPENINGS	0.010” slotted
PERVIOUS SECTION (In.) I.D.: 2.0 O.D.:	2.5
TYPE OF FILTER PACK AROUND PERVIOUS SECTION	#2 sand
DEPTH BOTTOM OF PERVIOUS SECTION (Ft.)	13.5
DEPTH BOTTOM OF FILTER PACK (Ft.)	13.5
TYPE OF BACKFILL (GROUT) BELOW FILTER PACK	none
END OF BORING	13.5

TtNUS Form 0058

FLUSH MOUNT MONITORING WELL CONSTRUCTION LOG

TETRA TECH NUS INC.

PROJECT NAME:	Arrowwood Housing Sites	PROJECT NO:	G00869-0410
PROJECT LOCATION:	Naval Submarine Base New London, Groton, CT	WELL NO:	MW-401
CLIENT:	NAVFAC Mid-Atlantic	BORING NO:	SB-401
CONTRACTOR:	New England Boring	BORING LOCATION:	191/195 Arrowwood Drive
DRILLER:	M. St. John		Upgradient of former UST area
LOGGED BY:	R. Clark	DATE:	11/19/2007
CHECKED BY:	S. Vetere	DATE:	12/5/2007

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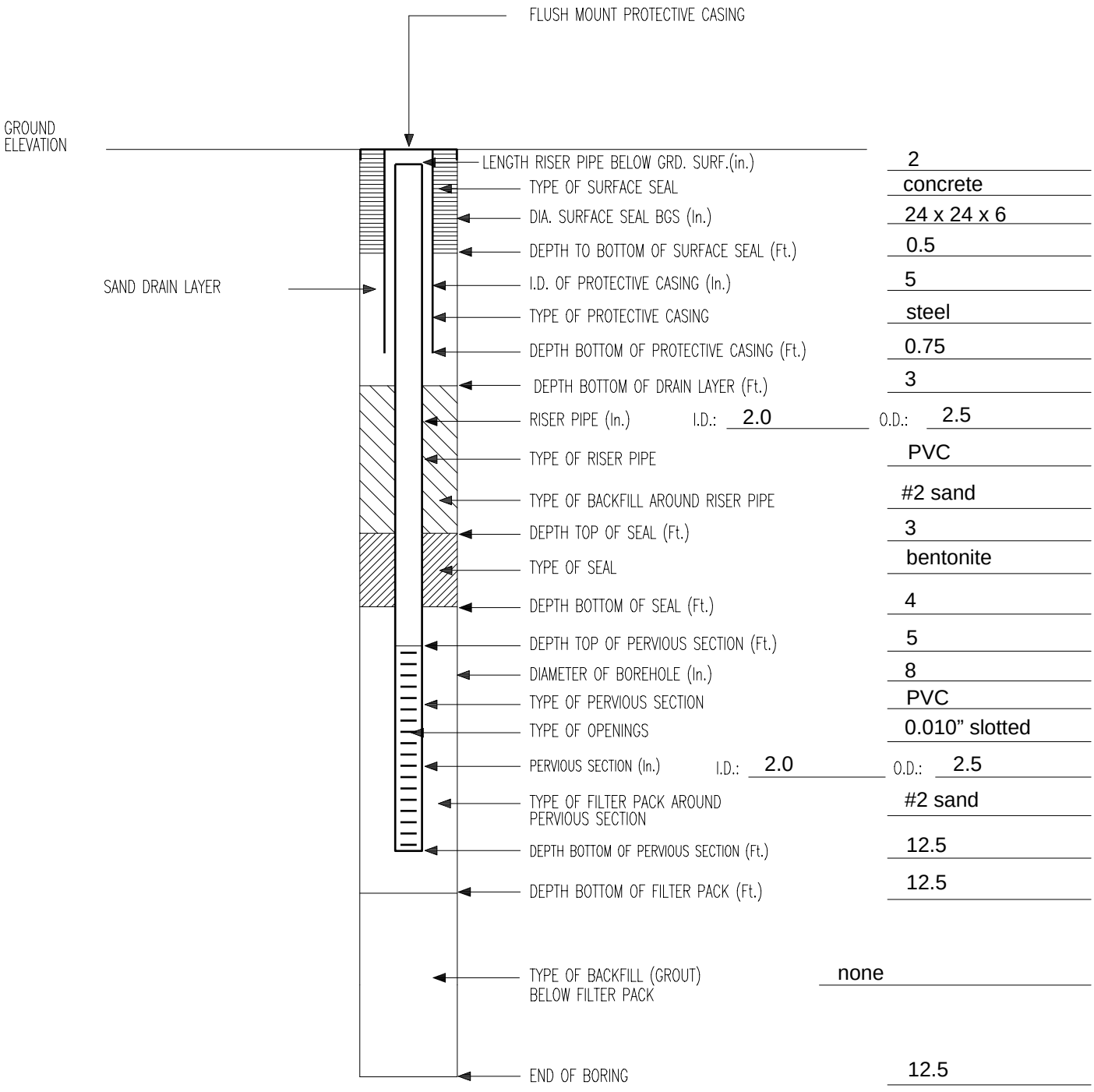

TtNUS Form 0058

FLUSH MOUNT MONITORING WELL CONSTRUCTION LOG

TETRA TECH NUS INC.

PROJECT NAME:	Arrowwood Housing Sites	PROJECT NO:	G00869-0410
PROJECT LOCATION:	Naval Submarine Base New London, Groton, CT	WELL NO:	MW-402
CLIENT:	NAVFAC Mid-Atlantic	BORING NO:	SB-402
CONTRACTOR:	New England Boring	BORING LOCATION:	191/195 Arrowwood Drive
DRILLER:	K. Golob		Within former UST area
LOGGED BY:	R. Clark	DATE:	11/16/2007
CHECKED BY:	S. Vetere	DATE:	12/5/2007

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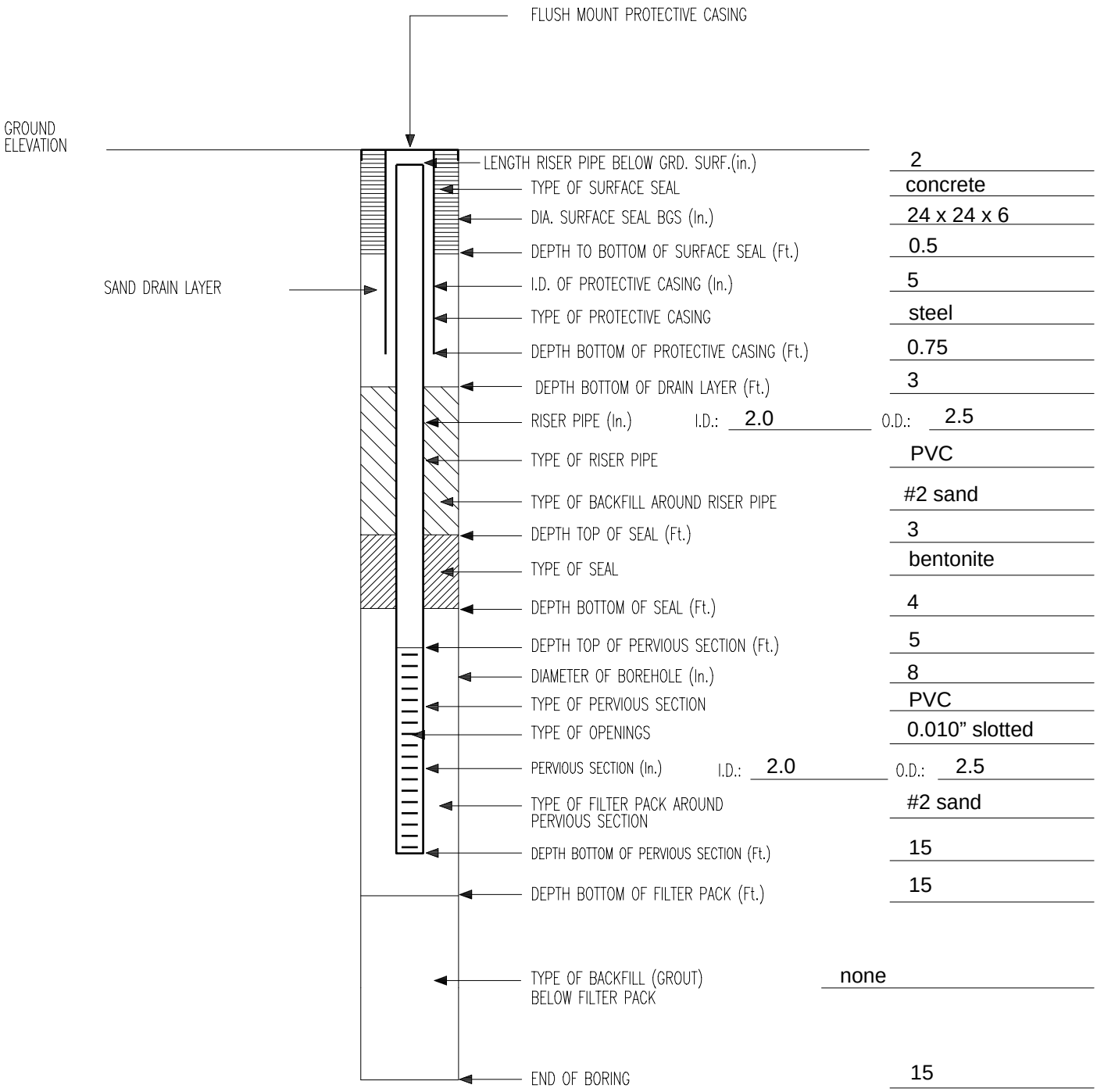

LENGTH RISER PIPE BELOW GRD. SURF.(in.)	2
TYPE OF SURFACE SEAL	concrete
DIA. SURFACE SEAL BGS (In.)	24 x 24 x 6
DEPTH TO BOTTOM OF SURFACE SEAL (Ft.)	0.5
I.D. OF PROTECTIVE CASING (In.)	5
TYPE OF PROTECTIVE CASING	steel
DEPTH BOTTOM OF PROTECTIVE CASING (Ft.)	0.75
DEPTH BOTTOM OF DRAIN LAYER (Ft.)	3
RISER PIPE (In.) I.D.: 2.0 O.D.:	2.5
TYPE OF RISER PIPE	PVC
TYPE OF BACKFILL AROUND RISER PIPE	#2 sand
DEPTH TOP OF SEAL (Ft.)	3
TYPE OF SEAL	bentonite
DEPTH BOTTOM OF SEAL (Ft.)	4
DEPTH TOP OF PERVIOUS SECTION (Ft.)	5
DIAMETER OF BOREHOLE (In.)	8
TYPE OF PERVIOUS SECTION	PVC
TYPE OF OPENINGS	0.010” slotted
PERVIOUS SECTION (In.) I.D.: 2.0 O.D.:	2.5
TYPE OF FILTER PACK AROUND PERVIOUS SECTION	#2 sand
DEPTH BOTTOM OF PERVIOUS SECTION (Ft.)	15
DEPTH BOTTOM OF FILTER PACK (Ft.)	15
TYPE OF BACKFILL (GROUT) BELOW FILTER PACK	none
END OF BORING	15

TtNUS Form 0058

FLUSH MOUNT MONITORING WELL CONSTRUCTION LOG

TETRA TECH NUS INC.

PROJECT NAME:	Arrowwood Housing Sites	PROJECT NO:	G00869-0410
PROJECT LOCATION:	Naval Submarine Base New London, Groton, CT	WELL NO:	MW-403
CLIENT:	NAVFAC Mid-Atlantic	BORING NO:	SB-403
CONTRACTOR:	New England Boring	BORING LOCATION:	191/195 Arrowwood Drive
DRILLER:	K. Golob		Downgradient of former UST
LOGGED BY:	R. Clark	DATE:	11/16/2007
CHECKED BY:	S. Vetere	DATE:	12/5/2007

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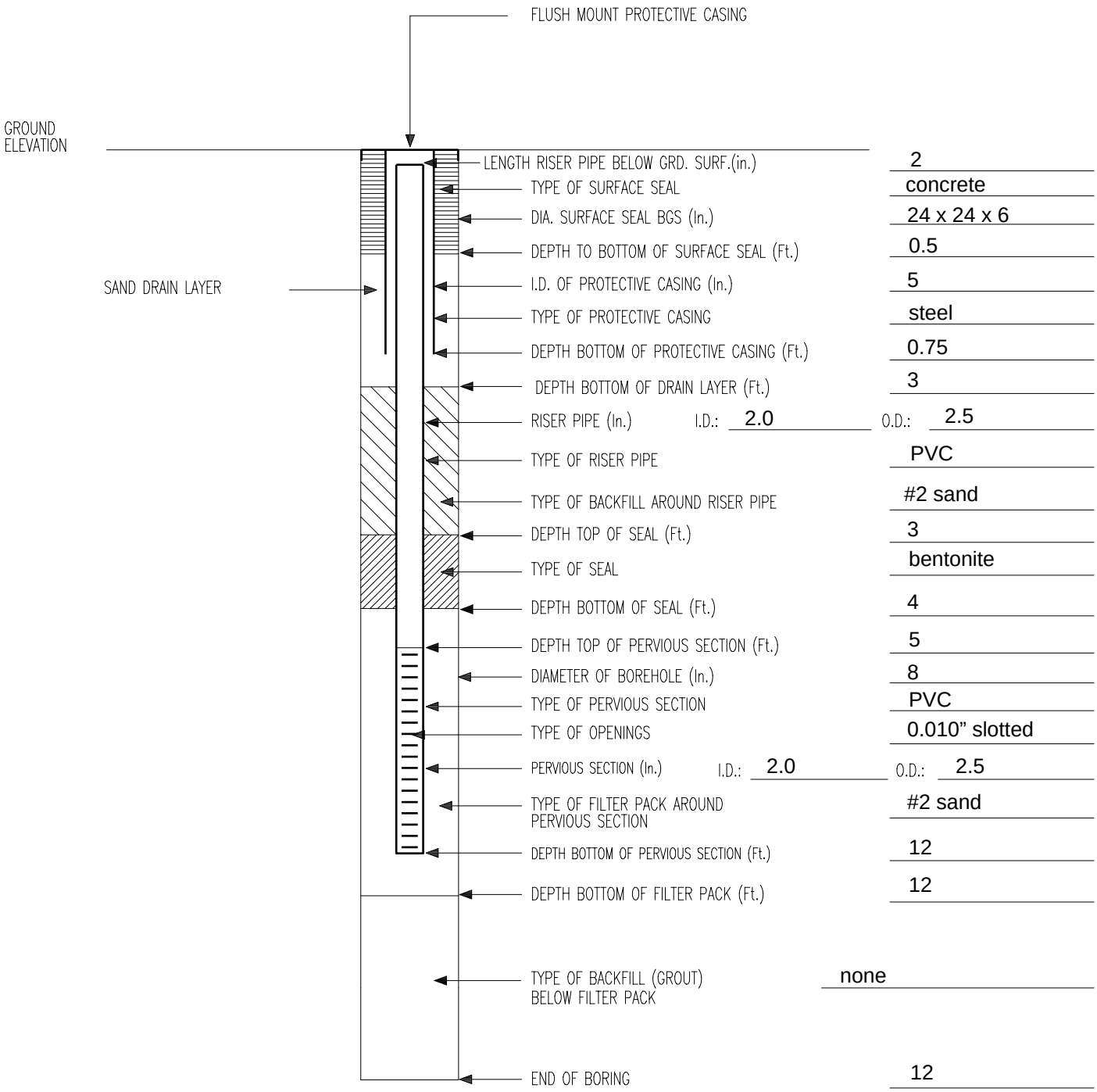

LENGTH RISER PIPE BELOW GRD. SURF.(in.)	2
TYPE OF SURFACE SEAL	concrete
DIA. SURFACE SEAL BGS (In.)	24 x 24 x 6
DEPTH TO BOTTOM OF SURFACE SEAL (Ft.)	0.5
I.D. OF PROTECTIVE CASING (In.)	5
TYPE OF PROTECTIVE CASING	steel
DEPTH BOTTOM OF PROTECTIVE CASING (Ft.)	0.75
DEPTH BOTTOM OF DRAIN LAYER (Ft.)	3
RISER PIPE (In.) I.D.: 2.0 O.D.:	2.5
TYPE OF RISER PIPE	PVC
TYPE OF BACKFILL AROUND RISER PIPE	#2 sand
DEPTH TOP OF SEAL (Ft.)	3
TYPE OF SEAL	bentonite
DEPTH BOTTOM OF SEAL (Ft.)	4
DEPTH TOP OF PERVIOUS SECTION (Ft.)	5
DIAMETER OF BOREHOLE (In.)	8
TYPE OF PERVIOUS SECTION	PVC
TYPE OF OPENINGS	0.010” slotted
PERVIOUS SECTION (In.) I.D.: 2.0 O.D.:	2.5
TYPE OF FILTER PACK AROUND PERVIOUS SECTION	#2 sand
DEPTH BOTTOM OF PERVIOUS SECTION (Ft.)	12
DEPTH BOTTOM OF FILTER PACK (Ft.)	12
TYPE OF BACKFILL (GROUT) BELOW FILTER PACK	none
END OF BORING	12

TtNUS Form 0058

FLUSH MOUNT MONITORING WELL CONSTRUCTION LOG

TETRA TECH NUS INC.

PROJECT NAME:	Arrowwood Housing Sites	PROJECT NO:	G00869-0410
PROJECT LOCATION:	Naval Submarine Base New London, Groton, CT	WELL NO:	MW-404
CLIENT:	NAVFAC Mid-Atlantic	BORING NO:	SB-404
CONTRACTOR:	New England Boring	BORING LOCATION:	191/195 Arrowwood Drive
DRILLER:	K. Golob		Downgradient of former UST
LOGGED BY:	R. Clark	DATE:	11/19/2007
CHECKED BY:	S. Vetere	DATE:	12/5/2007

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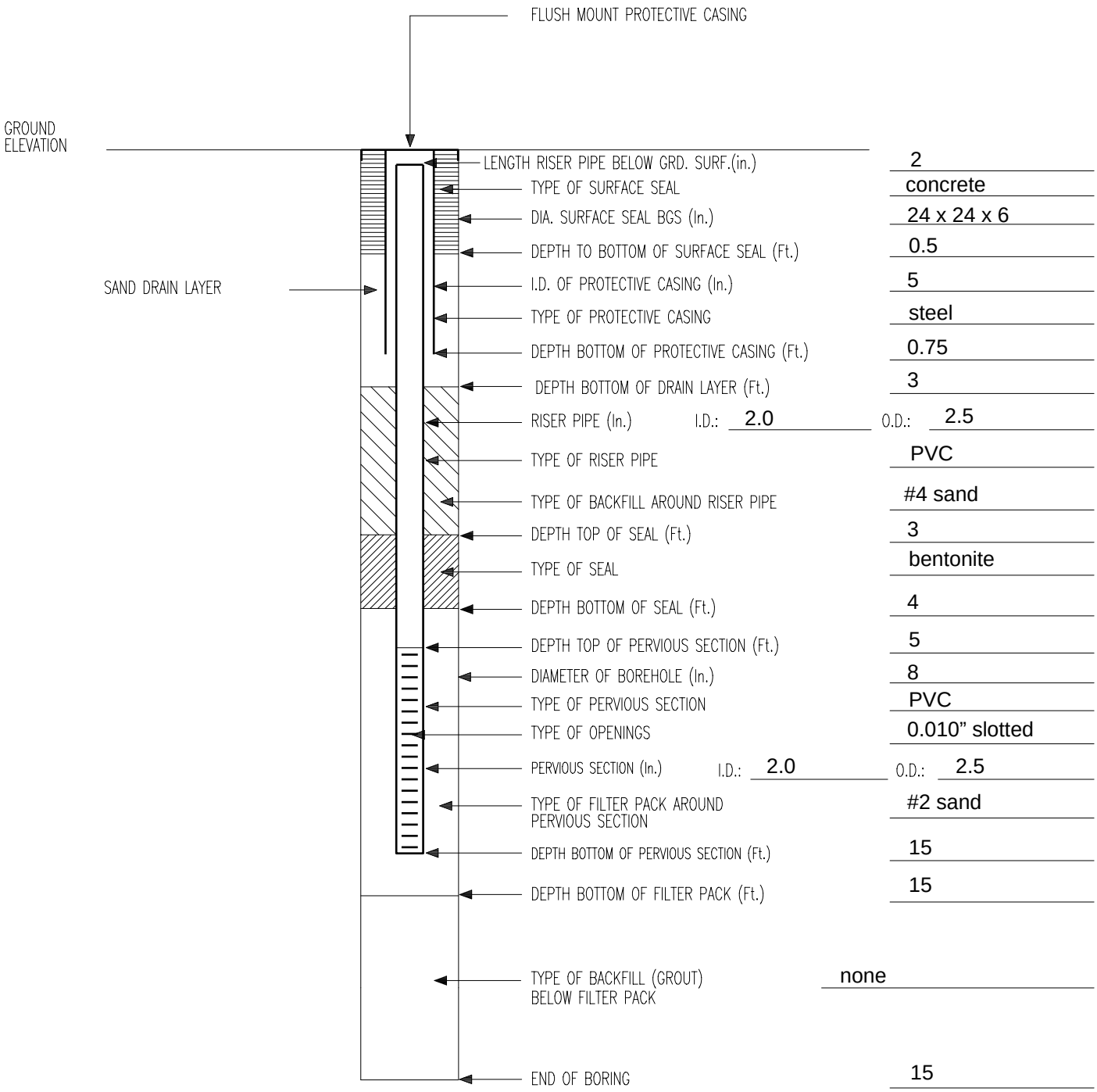

TtNUS Form 0058

APPENDIX C

WELL DEVELOPMENT LOG SHEETS

Tetra Tech NUS, Inc.

MONITORING WELL DEVELOPMENT RECORD

Well: **MW-101**
Site: **Arrowwood Housing Sites**
Date Installed: **Nov. 20, 2007**
Date Developed: **Nov. 26, 2007**
Dev. Method: **High Stress/Surge**
Pump Type: **Waterra**

Depth to Bottom (ft.): **17.15**
Static Water Level Before (ft.): **15.10**
Static Water Level After (ft.): **15.00**
Screen Length (ft.): **3**
Casing ID (in.): **2**

Responsible Personnel: **R. Clark**
Drilling Co.: **New England Boring**
Project Name: **NSB New London, Groton, CT**
Project Number: **G00869**

Time	Cumulative Water Volume (Gal.)	Temperature (Degrees C)	Specific Conductance (µS/cm)	Dissolved Oxygen (mg/L)	pH	ORP (mV)	Salinity (ppth)	Turbidity (NTU)	Remarks (odor, color, etc.)
1500	Begin Well Development								
1505	1/2 gal.	NM	NM	NM	NM	NM	NM	>2000	
1545		NM	NM	NM	NM	NM	NM	NM	No water- plugged with sand
1548	1 gal.	NM	NM	NM	NM	NM	NM	>2000	
Nov. 27, 2008									
0800	1 1/2 gal.	NM	NM	NM	NM	NM	NM	>2000	

Tetra Tech NUS, Inc.

MONITORING WELL DEVELOPMENT RECORD

Well: **MW-102**
Site: **Arrowwood Housing Sites**
Date Installed: **Nov. 21, 2007**
Date Developed: **Nov. 26, 2007**
Dev. Method: **High Stress/Surge**
Pump Type: **Waterra**

Depth to Bottom (ft.): **16.62**
Static Water Level Before (ft.): **14.25**
Static Water Level After (ft.): **14.50**
Screen Length (ft.): **6**
Casing ID (in.): **2**

Responsible Personnel: **R. Clark**
Drilling Co.: **New England Boring**
Project Name: **NSB New London, Groton, CT**
Project Number: **G00869**

Time	Cumulative Water Volume (Gal.)	Temperature (Degrees C)	Specific Conductance (µS/cm)	Dissolved Oxygen (mg/L)	pH	ORP (mV)	Salinity (ppth)	Turbidity (NTU)	Remarks (odor, color, etc.)
1500	Begin Well Development								
1520	2 1/2 gal.	NM	NM	NM	NM	NM	NM	>2000	Purged dry.
1530	5 1/2 gal.	NM	NM	NM	NM	NM	NM	>2000	Purged dry.
1540	7 1/2 gal.	NM	NM	NM	NM	NM	NM	>2000	Purged dry.
	11 gal.	NM	NM	NM	NM	NM	NM	900	Purged dry.
1600	13 gal.	NM	NM	NM	NM	NM	NM	>2000	

Tetra Tech NUS, Inc.

MONITORING WELL DEVELOPMENT RECORD

Well: **MW-103**
Site: **Arrowwood Housing Sites**
Date Installed: **Nov. 21, 2007**
Date Developed: **Nov. 27, 2007**
Dev. Method: **High Stress/Surge**
Pump Type: **Waterra**

Depth to Bottom (ft.): **18.65**
Static Water Level Before (ft.): **12.20**
Static Water Level After (ft.):
Screen Length (ft.): **10**
Casing ID (in.): **2**

Responsible Personnel: **R. Clark**
Drilling Co.: **New England Boring**
Project Name: **NSB New London, Groton, CT**
Project Number: **G00869**

Time	Cumulative Water Volume (Gal.)	Temperature (Degrees C)	Specific Conductance (µS/cm)	Dissolved Oxygen (mg/L)	pH	ORP (mV)	Salinity (ppth)	Turbidity (NTU)	Remarks (odor, color, etc.)
0830	Begin Well Development								Gray, silty.
0900	9 gal.	NM	NM	NM	NM	NM	NM	>2000	Gray, silty.
0915	15 gal.	NM	NM	NM	NM	NM	NM	>2000	Brown, silty.
0930	20 gal.	NM	NM	NM	NM	NM	NM	950	Brown, silty.
0950	30 gal.	NM	NM	NM	NM	NM	NM	500	Brown, silty.
1000	40 gal.	NM	NM	NM	NM	NM	NM	400	Light brown.
1010	45 gal.	NM	NM	NM	NM	NM	NM	400	
1030	50 gal.	NM	NM	NM	NM	NM	NM	290	

Tetra Tech NUS, Inc.

MONITORING WELL DEVELOPMENT RECORD

Well: **MW-104**
Site: **Arrowwood Housing Sites**
Date Installed: **Nov. 20, 2007**
Date Developed: **Nov. 27, 2007**
Dev. Method: **High Stress/Surge**
Pump Type: **Waterra**

Depth to Bottom (ft.): **9.70**
Static Water Level Before (ft.): **5.05**
Static Water Level After (ft.): **5.30**
Screen Length (ft.): **5.5**
Casing ID (in.): **2**

Responsible Personnel: **R. Clark**
Drilling Co.: **New England Boring**
Project Name: **NSB New London, Groton, CT**
Project Number: **G00869**

Time	Cumulative Water Volume (Gal.)	Temperature (Degrees C)	Specific Conductance (µS/cm)	Dissolved Oxygen (mg/L)	pH	ORP (mV)	Salinity (ppth)	Turbidity (NTU)	Remarks (odor, color, etc.)
1035	Begin Well Development								
1135	25 gal.	NM	NM	NM	NM	NM	NM	>2000	

Tetra Tech NUS, Inc.

MONITORING WELL DEVELOPMENT RECORD

Well: **MW-201**
Site: **Arrowwood Housing Sites**
Date Installed: **Nov. 15, 2007**
Date Developed: **Nov. 27, 2007**
Dev. Method: **High Stress/Surge**
Pump Type: **Waterra**

Depth to Bottom (ft.): **13.57**
Static Water Level Before (ft.): **7.65**
Static Water Level After (ft.): **7.70**
Screen Length (ft.): **10**
Casing ID (in.): **2**

Responsible Personnel: **R. Clark**
Drilling Co.: **New England Boring**
Project Name: **NSB New London, Groton, CT**
Project Number: **G00869**

Time	Cumulative Water Volume (Gal.)	Temperature (Degrees C)	Specific Conductance (µS/cm)	Dissolved Oxygen (mg/L)	pH	ORP (mV)	Salinity (ppth)	Turbidity (NTU)	Remarks (odor, color, etc.)
1145	Begin Well Development								
1215	12 gal.	NM	NM	NM	NM	NM	NM	>2000	
1245	25 gal.	NM	NM	NM	NM	NM	NM	>2000	

Tetra Tech NUS, Inc.

MONITORING WELL DEVELOPMENT RECORD

Well: **MW-202**
Site: **Arrowwood Housing Sites**
Date Installed: **Nov. 29, 2007**
Date Developed: **Nov. 29, 2007**
Dev. Method: **High Stress/Surge**
Pump Type: **Waterra**

Depth to Bottom (ft.): **13.80**
Static Water Level Before (ft.): **6.59**
Static Water Level After (ft.): **7.12**
Screen Length (ft.): **10**
Casing ID (in.): **2**

Responsible Personnel: **J. Traut**
Drilling Co.: **New England Boring**
Project Name: **NSB New London, Groton, CT**
Project Number: **G00869**

Time	Cumulative Water Volume (Gal.)	Temperature (Degrees C)	Specific Conductance (µS/cm)	Dissolved Oxygen (mg/L)	pH	ORP (mV)	Salinity (ppth)	Turbidity (NTU)	Remarks (odor, color, etc.)
1005	Begin Well Development								
1015		NM	NM	NM	NM	NM	NM	Off scale	Dark brown.
1030	8 gal.	NM	NM	NM	NM	NM	NM	Off scale	Dark brown.
1045	15 gal.	NM	NM	NM	NM	NM	NM	ER2	Light brown.
1100	22 gal.	NM	NM	NM	NM	NM	NM	ER2	
1115	30 gal.	NM	NM	NM	NM	NM	NM	ER2	
1120		NM	NM	NM	NM	NM	NM	NM	Turbidity not dropping, stable,
1122		NM	NM	NM	NM	NM	NM	NM	end development.

Tetra Tech NUS, Inc.

MONITORING WELL DEVELOPMENT RECORD

Well: **MW-301**
Site: **Arrowwood Housing Sites**
Date Installed: **Nov. 12, 2007**
Date Developed: **Nov. 29, 2007**
Dev. Method: **High Stress/Surge**
Pump Type: **Waterra**

Depth to Bottom (ft.): **12.12**
Static Water Level Before (ft.): **10.28**
Static Water Level After (ft.): **11.15**
Screen Length (ft.): **8**
Casing ID (in.): **2**

Responsible Personnel: **J. Traut**
Drilling Co.: **New England Boring**
Project Name: **NSB New London, Groton, CT**
Project Number: **G00869**

Time	Cumulative Water Volume (Gal.)	Temperature (Degrees C)	Specific Conductance (µS/cm)	Dissolved Oxygen (mg/L)	pH	ORP (mV)	Salinity (ppth)	Turbidity (NTU)	Remarks (odor, color, etc.)
	Begin Well Development								
1150	1/2 gal.	NM	NM	NM	NM	NM	NM	NM	Hand purge well, went dry,
									slow recharge.
1200		NM	NM	NM	NM	NM	NM	NM	Allow recharge.
1230	1 gal.	NM	NM	NM	NM	NM	NM	NM	Hand purge dry, allow recharge.
1305		NM	NM	NM	NM	NM	NM	NM	Purged dry.
1340		NM	NM	NM	NM	NM	NM	NM	Purged dry.

Tetra Tech NUS, Inc.

MONITORING WELL DEVELOPMENT RECORD

Well: **MW-302**
Site: **Arrowwood Housing Sites**
Date Installed: **Nov. 13, 2007**
Date Developed: **Nov. 29, 2007**
Dev. Method: **High Stress/Surge**
Pump Type: **Waterra**

Depth to Bottom (ft.): **9.80**
Static Water Level Before (ft.): **10.38**
Static Water Level After (ft.): **6.50**
Screen Length (ft.): **7**
Casing ID (in.): **2**

Responsible Personnel: **J. Traut**
Drilling Co.: **New England Boring**
Project Name: **NSB New London, Groton, CT**
Project Number: **G00869**

Time	Cumulative Water Volume (Gal.)	Temperature (Degrees C)	Specific Conductance (µS/cm)	Dissolved Oxygen (mg/L)	pH	ORP (mV)	Salinity (ppth)	Turbidity (NTU)	Remarks (odor, color, etc.)
1245	Begin Well Development								
1300	2.5 gal.	NM	NM	NM	NM	NM	NM	NM	Dark brown.
1315	5 gal.	NM	NM	NM	NM	NM	NM	Off scale	
1330	6 gal.	NM	NM	NM	NM	NM	NM	Off scale	
1345	7 gal.	NM	NM	NM	NM	NM	NM	Off scale	
1400	8 gal.	NM	NM	NM	NM	NM	NM	Off scale	
1415	9 gal.	NM	NM	NM	NM	NM	NM	Off scale	Brown, silty.
1430	10 gal.	NM	NM	NM	NM	NM	NM	Off scale	
1445	11 gal.	NM	NM	NM	NM	NM	NM	Off scale	
1445		NM	NM	NM	NM	NM	NM	Off scale	

Tetra Tech NUS, Inc.

MONITORING WELL DEVELOPMENT RECORD

Well: **MW-303**
Site: **Arrowwood Housing Sites**
Date Installed: **Nov. 13, 2007**
Date Developed: **Nov. 28, 2007**
Dev. Method: **High Stress/Surge**
Pump Type: **Waterra**

Depth to Bottom (ft.): **13.00**
Static Water Level Before (ft.): **6.25**
Static Water Level After (ft.): **6.50**
Screen Length (ft.): **10**
Casing ID (in.): **2**

Responsible Personnel: **R. Clark**
Drilling Co.: **New England Boring**
Project Name: **NSB New London, Groton, CT**
Project Number: **G00869**

Time	Cumulative Water Volume (Gal.)	Temperature (Degrees C)	Specific Conductance (µS/cm)	Dissolved Oxygen (mg/L)	pH	ORP (mV)	Salinity (ppth)	Turbidity (NTU)	Remarks (odor, color, etc.)
	Begin Well Development								
1345		NM	NM	NM	NM	NM	NM	>2000	Sheen.
1415	10 gal.	NM	NM	NM	NM	NM	NM	>2000	
1430	12 gal.	NM	NM	NM	NM	NM	NM	>2000	
1500	20 gal.	NM	NM	NM	NM	NM	NM	>2000	
1530	25 gal.	NM	NM	NM	NM	NM	NM	>2000	

Tetra Tech NUS, Inc.

MONITORING WELL DEVELOPMENT RECORD

Well: **MW-304**
Site: **Arrowwood Housing Sites**
Date Installed: **Nov. 12, 2007**
Date Developed: **Nov. 28, 2007**
Dev. Method: **High Stress/Surge**
Pump Type: **Waterra**

Depth to Bottom (ft.): **12.55**
Static Water Level Before (ft.): **5.70**
Static Water Level After (ft.): **5.70**
Screen Length (ft.): **10**
Casing ID (in.): **2**

Responsible Personnel: **R. Clark**
Drilling Co.: **New England Boring**
Project Name: **NSB New London, Groton, CT**
Project Number: **G00869**

Time	Cumulative Water Volume (Gal.)	Temperature (Degrees C)	Specific Conductance (µS/cm)	Dissolved Oxygen (mg/L)	pH	ORP (mV)	Salinity (ppth)	Turbidity (NTU)	Remarks (odor, color, etc.)
0925	Begin Well Development								
0954	7 gal.	NM	NM	NM	NM	NM	NM	>2000	
1025	12 gal.	NM	NM	NM	NM	NM	NM	>2000	

Tetra Tech NUS, Inc.

MONITORING WELL DEVELOPMENT RECORD

Well: **MW-305**
Site: **Arrowwood Housing Sites**
Date Installed: **Nov. 13, 2007**
Date Developed: **Nov. 28, 2007**
Dev. Method: **High Stress/Surge**
Pump Type: **Waterra**

Depth to Bottom (ft.): **12.40**
Static Water Level Before (ft.): **4.13**
Static Water Level After (ft.): **4.85**
Screen Length (ft.): **10**
Casing ID (in.): **2**

Responsible Personnel: **R. Clark**
Drilling Co.: **New England Boring**
Project Name: **NSB New London, Groton, CT**
Project Number: **G00869**

Time	Cumulative Water Volume (Gal.)	Temperature (Degrees C)	Specific Conductance (µS/cm)	Dissolved Oxygen (mg/L)	pH	ORP (mV)	Salinity (ppth)	Turbidity (NTU)	Remarks (odor, color, etc.)
0816	Begin Well Development								
0832		NM	NM	NM	NM	NM	NM	>2000	Very silty, sandy.
0848	12 gal.	NM	NM	NM	NM	NM	NM	>2000	
0916	18 gal.	NM	NM	NM	NM	NM	NM	>2000	

Tetra Tech NUS, Inc.

MONITORING WELL DEVELOPMENT RECORD

Well: **MW-401**
Site: **Arrowwood Housing Sites**
Date Installed: **Nov. 19, 2007**
Date Developed: **Nov. 26, 2007**
Dev. Method: **High Stress/Surge**
Pump Type: **Waterra**

Depth to Bottom (ft.): **11.40**
Static Water Level Before (ft.): **7.95**
Static Water Level After (ft.): **8.00**
Screen Length (ft.): **7.5**
Casing ID (in.): **2**

Responsible Personnel: **R. Clark**
Drilling Co.: **New England Boring**
Project Name: **NSB New London, Groton, CT**
Project Number: **G00869**

Time	Cumulative Water Volume (Gal.)	Temperature (Degrees C)	Specific Conductance (µS/cm)	Dissolved Oxygen (mg/L)	pH	ORP (mV)	Salinity (ppth)	Turbidity (NTU)	Remarks (odor, color, etc.)
1300	Begin Well Development								Sheen on water.
1310		NM	NM	NM	NM	NM	NM	>2000	Water level dropped to bottom,
									stopped pump, recharged quickly.
									Stop and start as needed.
1320	3 gal.	NM	NM	NM	NM	NM	NM	>2000	
1330	5 gal.	NM	NM	NM	NM	NM	NM	800	
1340	9 gal.	NM	NM	NM	NM	NM	NM	>2000	
1400	15 gal.	NM	NM	NM	NM	NM	NM	220	
1405	17 gal.	NM	NM	NM	NM	NM	NM	1000	

Tetra Tech NUS, Inc.

MONITORING WELL DEVELOPMENT RECORD

Well: **MW-402**
Site: **Arrowwood Housing Sites**
Date Installed: **Nov. 16, 2007**
Date Developed: **Nov. 26, 2007**
Dev. Method: **High Stress/Surge**
Pump Type: **Waterra**

Depth to Bottom (ft.): **12.15**
Static Water Level Before (ft.): **7.45**
Static Water Level After (ft.): **7.84**
Screen Length (ft.): **10**
Casing ID (in.): **2**

Responsible Personnel: **R. Clark**
Drilling Co.: **New England Boring**
Project Name: **NSB New London, Groton, CT**
Project Number: **G00869**

Time	Cumulative Water Volume (Gal.)	Temperature (Degrees C)	Specific Conductance (µS/cm)	Dissolved Oxygen (mg/L)	pH	ORP (mV)	Salinity (ppth)	Turbidity (NTU)	Remarks (odor, color, etc.)
1135	Begin Well Development								Start wtihout surge block.
1150	10 gal.	NM	NM	NM	NM	NM	NM	>2000	
1230	30 gal.	NM	NM	NM	NM	NM	NM	>2000	

Tetra Tech NUS, Inc.

MONITORING WELL DEVELOPMENT RECORD

Well: **MW-403**
Site: **Arrowwood Housing Sites**
Date Installed: **Nov. 16, 2007**
Date Developed: **Nov. 26, 2007**
Dev. Method: **High Stress/Surge**
Pump Type: **Waterra**

Depth to Bottom (ft.): **11.13**
Static Water Level Before (ft.): **6.07**
Static Water Level After (ft.): **7.26**
Screen Length (ft.): **7**
Casing ID (in.): **2**

Responsible Personnel: **R. Clark**
Drilling Co.: **New England Boring**
Project Name: **NSB New London, Groton, CT**
Project Number: **G00869**

Time	Cumulative Water Volume (Gal.)	Temperature (Degrees C)	Specific Conductance (µS/cm)	Dissolved Oxygen (mg/L)	pH	ORP (mV)	Salinity (ppth)	Turbidity (NTU)	Remarks (odor, color, etc.)
1045	Begin Well Development								Start with intake at bottom.
1047	< 1 gal.	NM	NM	NM	NM	NM	NM	>2000	
1100									Check valve clogged with sediment.
1120									Pull surge block off, better flow.
1130	2 gal.	NM	NM	NM	NM	NM	NM	NM	Purged dry.
1245	2 3/4 gal.	NM	NM	NM	NM	NM	NM	>2000	Sheen.
1405	4 3/4 gal.	NM	NM	NM	NM	NM	NM	>2000	
1610	5 1/4 gal.	NM	NM	NM	NM	NM	NM	NM	

Tetra Tech NUS, Inc.

MONITORING WELL DEVELOPMENT RECORD

Well: **MW-404**
Site: **Arrowwood Housing Sites**
Date Installed: **Nov. 19, 2007**
Date Developed: **Nov. 26, 2007**
Dev. Method: **High Stress/Surge**
Pump Type: **Waterra**

Depth to Bottom (ft.): **14.21**
Static Water Level Before (ft.): **6.32**
Static Water Level After (ft.): **6.59**
Screen Length (ft.): **10**
Casing ID (in.): **2**

Responsible Personnel: **R. Clark**
Drilling Co.: **New England Boring**
Project Name: **NSB New London, Groton, CT**
Project Number: **G00869**

Time	Cumulative Water Volume (Gal.)	Temperature (Degrees C)	Specific Conductance (µS/cm)	Dissolved Oxygen (mg/L)	pH	ORP (mV)	Salinity (ppth)	Turbidity (NTU)	Remarks (odor, color, etc.)
0850	Begin Well Development								
0904	1/2 gal.	NM	NM	NM	NM	NM	NM	>2000	Sediment.
0945	15 gal.	NM	NM	NM	NM	NM	NM	>2000	Moved intake to mid-screen. Sediment.
1000	20 gal.	NM	NM	NM	NM	NM	NM	>2000	Decreasing sediment.
1015	24 gal.	NM	NM	NM	NM	NM	NM	>2000	Decreasing sediment.
1030	30 gal.	NM	NM	NM	NM	NM	NM	>2000	

Tetra Tech NUS, Inc.

MONITORING WELL DEVELOPMENT RECORD

Well: **MW-13**
Site: **Arrowwood Housing Sites**
Date Installed:
Date Developed: **Nov. 27, 2007**
Dev. Method: **High Stress/Surge**
Pump Type: **Waterra**

Depth to Bottom (ft.): **14.40**
Static Water Level Before (ft.): **5.51**
Static Water Level After (ft.): **5.55**
Screen Length (ft.):
Casing ID (in.): **2**

Responsible Personnel: **R. Clark**
Drilling Co.:
Project Name: **NSB New London, Groton, CT**
Project Number: **G00869**

Time	Cumulative Water Volume (Gal.)	Temperature (Degrees C)	Specific Conductance (µS/cm)	Dissolved Oxygen (mg/L)	pH	ORP (mV)	Salinity (ppth)	Turbidity (NTU)	Remarks (odor, color, etc.)
	Begin Well Development								
1400	<1 gal.	NM	NM	NM	NM	NM	NM	>2000	
1430	5 gal.	NM	NM	NM	NM	NM	NM	>2000	
1445	15 gal.	NM	NM	NM	NM	NM	NM	>2000	
1500	21 gal.	NM	NM	NM	NM	NM	NM	>2000	

Tetra Tech NUS, Inc.

MONITORING WELL DEVELOPMENT RECORD

Well: **MW-14**
Site: **Arrowwood Housing Sites**
Date Installed:
Date Developed: **Nov. 28, 2007**
Dev. Method: **High Stress/Surge**
Pump Type: **Waterra**

Depth to Bottom (ft.): **14.90**
Static Water Level Before (ft.): **4.07**
Static Water Level After (ft.): **4.15**
Screen Length (ft.):
Casing ID (in.): **2**

Responsible Personnel: **R. Clark**
Drilling Co.:
Project Name: **NSB New London, Groton, CT**
Project Number: **G00869**

Time	Cumulative Water Volume (Gal.)	Temperature (Degrees C)	Specific Conductance (µS/cm)	Dissolved Oxygen (mg/L)	pH	ORP (mV)	Salinity (ppth)	Turbidity (NTU)	Remarks (odor, color, etc.)
	Begin Well Development								
1030		NM	NM	NM	NM	NM	NM	>2000	
1115	17 gal.	NM	NM	NM	NM	NM	NM	>2000	
1130	20 gal.	NM	NM	NM	NM	NM	NM	700	
1140	22 gal.	NM	NM	NM	NM	NM	NM	550	
1155		NM	NM	NM	NM	NM	NM	600	
1205	34 gal.	NM	NM	NM	NM	NM	NM	500	
1230	40 gal.	NM	NM	NM	NM	NM	NM	450	

APPENDIX D

GROUNDWATER ELEVATIONS

TETRA TECH NUS, INC.

GROUNDWATER LEVEL MEASUREMENT SHEET

Site Name:	Arrowwood Housing Sites	**Date:**	01/07/2008
Site Location	NSB New London, Groton, CT	**Personnel:**	M. Alroy
Project No.:	G00869-0320	**Weather:**	Partly Cloudy, 30-40 degrees F
Tidally Influenced:	Yes ____ No __X__	**Remarks:**	Round 1 Synoptic Measurements

Well Number	Time	Elevation of Measuring Point (feet MSL)	Water Level Indicator Reading (feet)	GW Elevation (feet MSL)	Comments
MW101	1520	57.81	13.48	44.33	
MW102	1525	56.98	13.84	43.14	
MW103	1530	55.02	11.22	43.80	
MW104	1540	47.94	3.93	44.01	
MW201	1435	48.45	7.18	41.27	
MW202	1440	47.13	6.06	41.07	
PZ203	1455	43.52	2.83	40.69	
MW301	1430	52.32	8.55	43.77	
MW302	1425	48.27	4.99	43.28	
MW303	1420	47.34	5.50	41.84	
MW304	1410	46.33	5.31	41.02	
MW305	1405	44.94	5.68	39.26	
MW13	1450	46.13	5.26	40.87	
MW14	1415	44.62	3.89	40.73	
MW401	1345	48.89	6.31	42.58	
MW402	1350	48.76	6.72	42.04	
MW403	1355	48.04	6.50	41.54	
MW404	1400	47.46	5.61	41.85	
SW01	NA	43.34	NM	NM	

NM = Not measured.

TETRA TECH NUS, INC.

GROUNDWATER LEVEL MEASUREMENT SHEET

Site Name:	Arrowwood Housing Sites	**Date:**	03/24/2008
Site Location	NSB New London, Groton, CT	**Personnel:**	P. Seward, C. Fellows
Project No.:	G00869-0320	**Weather:**	Sunny, 41 degrees, light wind
Tidally Influenced:	Yes ____ No __X__	**Remarks:**	Round 2 Synoptic Measurements

Well Number	Time	Elevation of Measuring Point (feet MSL)	Water Level Indicator Reading (feet)	GW Elevation (feet MSL)	Comments
MW101	1128	57.81	11.84	45.97	
MW102	1130	56.98	11.38	45.60	
MW103	1140	55.02	9.97	45.05	
MW104	1200	47.94	2.58	45.36	
MW201	1210	48.45	6.50	41.95	
MW202	1232	47.13	5.57	41.56	
PZ203	1242	43.52	2.75	40.77	Hard bottom
MW301	1305	52.32	6.60	45.72	
MW302	1302	48.27	3.40	44.87	
MW303	1300	47.34	4.53	42.81	
MW304	1220	46.33	4.84	41.49	
MW305	1225	44.94	2.98	41.96	
MW13	1248	46.13	4.82	41.31	
MW14	1250	44.62	3.55	41.07	
MW401	1316	48.89	5.84	43.05	
MW402	1319	48.76	5.74	43.02	
MW403	1322	48.04	5.19	42.85	
MW404	1326	47.46	4.84	42.62	Soft bottom
SW01	1330	43.34	3.00	40.34	Soft bottom

TETRA TECH NUS, INC.

GROUNDWATER LEVEL MEASUREMENT SHEET

Site Name:	Arrowwood Housing Sites	**Date:**	06/09/2008
Site Location	NSB New London, Groton, CT	**Personnel:**	R. Clark, P. Seward
Project No.:	G00869-0320	**Weather:**	Hot, humid, 90's
Tidally Influenced:	Yes ____ No __X__	**Remarks:**	Round 3 Synoptic Measurements

Well Number	Time	Elevation of Measuring Point (feet MSL)	Water Level Indicator Reading (feet)	GW Elevation (feet MSL)	Comments
MW101	951	57.81	12.97	44.84	Soft bottom
MW102	954	56.98	12.31	44.67	
MW103	957	55.02	10.78	44.24	
MW104	1000	47.94	3.32	44.62	
MW201	1020	48.45	7.06	41.39	
MW202	1009	47.13	5.96	41.17	
PZ203	1015	43.52	2.75	40.77	
MW301	1045	52.32	8.37	43.95	
MW302	1042	48.27	4.78	43.49	Water appx. 1.5" above casing
MW303	1038	47.34	5.33	42.01	
MW304	1028	46.33	5.20	41.13	
MW305	1035	44.94	3.50	41.44	
MW13	1023	46.13	5.10	41.03	
MW14	1031	44.62	3.71	40.91	
MW401	1059	48.89	6.85	42.04	
MW402	1103	48.76	6.72	42.04	Soft bottom
MW403	1105	48.04	6.03	42.01	
MW404	1109	47.46	5.56	41.90	Soft bottom
SW01	1050	43.34	3.20	40.14	

TETRA TECH NUS, INC.

GROUNDWATER LEVEL MEASUREMENT SHEET

Site Name:	Arrowwood Housing Sites	**Date:**	09/08/2008
Site Location	NSB New London, Groton, CT	**Personnel:**	P. Seward, R. Clark
Project No.:	G00869-0320	**Weather:**	Sunny, 80 degrees
Tidally Influenced:	Yes ____ No __X__	**Remarks:**	Round 4 Synoptic Measurements

Well Number	Time	Elevation of Measuring Point (feet MSL)	Water Level Indicator Reading (feet)	GW Elevation (feet MSL)	Comments
MW101	1415	57.81	13.11	44.70	
MW102	1419	56.98	12.41	44.57	
MW103	1422	55.02	10.88	44.14	
MW104	1426	47.94	3.38	44.56	
MW201	1450	48.45	7.30	41.15	
MW202	1453	47.13	6.15	40.98	
PZ203	1500	43.52	2.85	40.67	
MW301	1445	52.32	9.58	42.74	
MW302	1441	48.27	5.85	42.42	Soft bottom
MW303	1433	47.34	5.85	41.49	
MW304	1510	46.33	5.40	40.93	
MW305	1514	44.94	3.81	41.13	
MW13	1502	46.13	5.28	40.85	
MW14	1505	44.62	3.83	40.79	
MW401	1534	48.89	7.15	41.74	
MW402	1529	48.76	6.97	41.79	Soft bottom
MW403	1524	48.04	3.27	44.77	
MW404	1520	47.46	5.77	41.69	Soft bottom
SW01	1508	43.34	3.10	40.24	

APPENDIX E

SAMPLE COLLECTION LOG SHEETS

TETRA TECH NUS, INC.

Round 1 - January 2008

SAMPLE LOG SHEET – "LOW FLOW" GROUNDWATER

Site Name: **Arrowwood Housing Sites – 47/49 Arrowwood Drive**
Sample ID: **AWD-GW-MW101-20080108**

Tetra Tech NUS Charge No. **112G00869 / CTO 426**
QC: **NA** (If applicable)

Sample Method: **Low Stress (flow) with Peristaltic Pump**
Sample Date & Time: **1 / 8 / 2008 1030** hours
Sampler(s): **M. Alroy** Data Recorded By: **M. Alroy**
Depth Sampled: **15.76 feet btor**
Weather: **Cloudy, 40s**

H&S Survey Meter = **0.0 PPM** Pre-Pump Insertion WL = **13.52 ft btor**

Lab Analyses:
1. **VOCs (SW846-8260B) 3 x 40mL VOA vial with HCl, 4° C**
2. **ETPH (CTDEP) 2 x 1 liter amber glass, 4° C**

Clock Time (24hr)	Water Depth (feet below TOR)	Pump Dial[1]	Purge Rate (ml/min)	Cum. Volume Purged (liters)	Temp (°C)	Spec. Cond.[2] (µS/cm)	pH (S.U.)	ORP (mV)	DO (mg/L)	Turbidity (NTU)	Comments
0930		150 RPM									
0935	13.55	1/3 Turn	100	1.0	11.82	328	5.97	69.4	1.71	1.1	
0940	13.57	1/3 Turn	100	1.5	12.07	242	5.52	82.4	0.87	1.1	
0945	13.55	1/3 Turn	100	2.0	12.16	223	5.53	84.6	0.68	1.4	
0950	13.55	1/3 Turn	100	2.5	12.24	219	5.54	83.1	0.58	1.3	
0955	13.56	1/3 Turn	100	3.0	12.35	218	5.56	77.1	0.49	1.2	
1000	13.56	1/3 Turn	100	3.5	12.39	218	5.56	76.2	0.44	1.0	
1005	13.56	1/3 Turn	100	4.0	12.48	218	5.56	74.0	0.40	1.0	
1010	13.55	1/3 Turn	100	4.5	12.53	219	5.57	72.2	0.37	1.0	
1015	13.56	1/3 Turn	100	5.0	12.60	220	5.58	68.9	0.35	1.0	
1020	13.56	1/3 Turn	100	5.5	12.64	221	5.59	67.5	0.35	1.0	
1025	13.56	1/3 Turn	100	6.0	12.64	222	5.59	66.3	0.34	0.0	

TtNUS Form 0009 (modified)

1. Pump dial setting (for example: hertz, cycle/min, etc.)
2. Siemens per cm (same as umhos/cm) at 25 °C.
3. Oxidation reduction potential (stand in for Eh).

TETRA TECH NUS, INC.

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SAMPLE LOG SHEET – "LOW FLOW" GROUNDWATER

Site Name: **Arrowwood Housing Sites – 47/49 Arrowwood Drive**
Sample ID: **AWD-GW-MW102-20080108**

Tetra Tech NUS Charge No. **112G00869 / CTO 426**
QC: **NA** (If applicable)

Sample Method: **Low Stress (flow) with Peristaltic Pump**
Sample Date & Time: **1 / 8 / 2008 1105** hours
Sampler(s): **M. Alroy** Data Recorded By: **M. Alroy**
Depth Sampled: **14.95 feet btor**
Weather: **Cloudy, 40s**

H&S Survey Meter = **0.0 PPM** Pre-Pump Insertion WL = **12.90 ft btor**

Lab Analyses:
1. **VOCs (SW846-8260B) 3 x 40mL VOA vial with HCl, 4° C**
2. **ETPH (CTDEP) 2 x 1 liter amber glass, 4° C**

Clock Time (24hr)	Water Depth (feet below TOR)	Pump Dial[1]	Purge Rate (ml/min)	Cum. Volume Purged (liters)	Temp (°C)	Spec. Cond.[2] (µS/cm)	pH (S.U.)	ORP (mV)	DO (mg/L)	Turbidity (NTU)	Comments
0940	12.90		120								
0945	12.95		120	1.0	12.83	343	7.07	68.8	2.27	180	Tan/cloudy
0950	12.95		120		12.77	437	6.01	-40.4	0.86	140	Light tan
0955	12.95		120		13.17	394	5.84	-49.4	0.60	110	Light tan
1000	12.95		130	3.0	13.45	376	5.80	-44.8	0.58	45	Clear
1005	12.95		140		13.41	359	5.83	-39.3	0.53	23	Clear
1010	12.95		140		13.33	356	5.80	-34.4	0.51	16	Clear
1015	12.95		140	5.0	13.30	351	5.83	-26.0	0.51	17	Clear
1020	12.95		140		13.28	347	5.85	-20.2	0.47	11	Clear
1025	12.95		140	6.5	13.29	345	5.85	-15.3	0.45	9.6	Clear
1030	12.95		140		13.38	342	5.89	-12.4	0.47	5.33	Clear
1035	12.95		140	8.0	13.39	336	5.87	-4.6	0.41	3.69	Clear
1040	12.95		140		13.39	333	5.87	-1.9	0.43	2.85	Clear
1045	12.95		140		13.42	330	5.87	2.0	0.42	2.91	Clear
1050	12.95		140	10.0	13.43	329	5.87	4.2	0.42	2.83	Clear

TtNUS Form 0009 (modified)

1. Pump dial setting (for example: hertz, cycle/min, etc.)
2. Siemens per cm (same as umhos/cm) at 25 °C.
3. Oxidation reduction potential (stand in for Eh).

TETRA TECH NUS, INC.

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SAMPLE LOG SHEET – "LOW FLOW" GROUNDWATER

Site Name: **Arrowwood Housing Sites – 47/49 Arrowwood Drive**
Sample ID: **AWD-GW-MW103-20080108**

Tetra Tech NUS Charge No. **112G00869 / CTO 426**
QC: **NA** (If applicable)

Sample Method: **Low Stress (flow) with Peristaltic Pump**
Sample Date & Time: **1 / 8 / 2008 1140** hours
Sampler(s): **M. Alroy** Data Recorded By: **M. Alroy**
Depth Sampled: **15.12 feet btor**
Weather: **Cloudy, 40s**

H&S Survey Meter = **0.0 PPM** Pre-Pump Insertion WL = **11.24 ft btor**

Lab Analyses:
1. **VOCs (SW846-8260B) 3 x 40mL VOA vial with HCl, 4° C**
2. **ETPH (CTDEP) 2 x 1 liter amber glass, 4° C**

Clock Time (24hr)	Water Depth (feet below TOR)	Pump Dial[1]	Purge Rate (ml/min)	Cum. Volume Purged (liters)	Temp (°C)	Spec. Cond.[2] (µS/cm)	pH (S.U.)	ORP (mV)	DO (mg/L)	Turbidity (NTU)	Comments
1105	11.24	150 RPM	100	0.5	12.41	221	5.66	99.5	2.98	4.4	Tan/cloudy
1110	11.25	150 RPM	100	1.0	12.86	222	5.55	112.5	1.82	3.1	Light tan
1115	11.25	150 RPM	100	1.5	12.92	223	5.53	120.2	1.68	2.0	Light tan
1120	11.25	150 RPM	100	2.0	12.93	223	5.53	125.4	1.56	1.2	Clear
1125	11.25	150 RPM	100	2.5	12.97	224	5.54	128.4	1.56	0.95	Clear
1130	11.25	150 RPM	100	3.0	13.02	224	5.53	131.9	1.54	0.70	Clear
1135	11.25	150 RPM	100	3.5	13.14	224	5.53	134.6	1.57	0.55	Clear

TtNUS Form 0009 (modified)

1. Pump dial setting (for example: hertz, cycle/min, etc.)
2. Siemens per cm (same as umhos/cm) at 25 °C.
3. Oxidation reduction potential (stand in for Eh).

TETRA TECH NUS, INC.

Round 1 - January 2008

SAMPLE LOG SHEET – "LOW FLOW" GROUNDWATER

Site Name: **Arrowwood Housing Sites – 47/49 Arrowwood Drive**
Sample ID: **AWD-GW-MW104-20080108**

Tetra Tech NUS Charge No. **112G00869 / CTO 426**
QC: **NA** (If applicable)

Sample Method: **Low Stress (flow) with Peristaltic Pump**
Sample Date & Time: **1 / 8 / 2008 1310** hours
Sampler(s): **P. Seward** Data Recorded By: **P. Seward**
Depth Sampled: **6.73 feet btor**
Weather: **Cloudy, 40s**

H&S Survey Meter = **4.8 PPM** Pre-Pump Insertion WL = **3.97 ft btor**

Lab Analyses:
1. **VOCs (SW846-8260B) 3 x 40mL VOA vial with HCl, 4° C**
2. **ETPH (CTDEP) 2 x 1 liter amber glass, 4° C**

Clock Time (24hr)	Water Depth (feet below TOR)	Pump Dial[1]	Purge Rate (ml/min)	Cum. Volume Purged (liters)	Temp (°C)	Spec. Cond.[2] (µS/cm)	pH (S.U.)	ORP (mV)	DO (mg/L)	Turbidity (NTU)	Comments
1215	3.97		150	750							
1220	3.99		150	750	11.80	266	5.84	72.9	3.50	8.12	Clear/colorless
1225	3.99		150	750	10.36	246	5.55	73.2	1.38	3.77	Clear/colorless
1230	3.99		150	750	10.16	244	5.52	72.0	1.32	2.81	Clear/colorless
1235	3.99		150	750	10.14	243	5.59	71.3	1.10	1.44	Clear/colorless
1240	3.99		150	750	10.13	242	5.58	73.8	1.06	1.79	Clear/colorless
1245	3.99		150	750	10.08	242	5.60	76.2	1.22	2.04	Clear/colorless
1250	3.99		150	750	10.17	241	5.60	79.8	1.07	2.31	Clear/colorless
1255	3.99		150	750	10.20	241	5.61	81.2	1.04	0.96	Clear/colorless
1300	3.99		150	750	10.22	241	5.61	82.9	1.03	0.89	Clear/colorless
1305	3.99		150	750	10.20	241	5.61	84.4	0.99	0.77	Clear/colorless

TtNUS Form 0009 (modified)

1. Pump dial setting (for example: hertz, cycle/min, etc.)
2. Siemens per cm (same as umhos/cm) at 25 °C.
3. Oxidation reduction potential (stand in for Eh).

TETRA TECH NUS, INC.

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SAMPLE LOG SHEET – "LOW FLOW" GROUNDWATER

Site Name: **Arrowwood Housing Sites – 109/113 Arrowwood Drive**
Sample ID: **AWD-GW-MW201-20080108**

Tetra Tech NUS Charge No. **112G00869 / CTO 426**
QC: **NA** (If applicable)

Sample Method: **Low Stress (flow) with Peristaltic Pump**
Sample Date & Time: **1 / 8 / 2008 1430** hours
Sampler(s): **M. Alroy** Data Recorded By: **M. Alroy**
Depth Sampled: **10.58 feet btor**
Weather: **Cloudy, 40s**

H&S Survey Meter = **0.0 PPM** Pre-Pump Insertion WL = **7.17 ft btor**

Lab Analyses:
1. **VOCs (SW846-8260B) 3 x 40mL VOA vial with HCl, 4° C**
2. **ETPH (CTDEP) 2 x 1 liter amber glass, 4° C**

Clock Time (24hr)	Water Depth (feet below TOR)	Pump Dial[1]	Purge Rate (ml/min)	Cum. Volume Purged (liters)	Temp (°C)	Spec. Cond.[2] (µS/cm)	pH (S.U.)	ORP (mV)	DO (mg/L)	Turbidity (NTU)	Comments
1320	7.17	150 RPM	100	0.0							
1325	7.17	150 RPM	100	0.5							
1330	7.18	150 RPM	100	1.0	12.38	249	5.82	102.8	1.99	16.7	
1335	7.17	150 RPM	100	1.5	14.47	248	5.79	109.5	1.29	12.1	
1340	7.17	150 RPM	100	2.0	12.42	247	5.78	113.2	1.33	9.4	
1345	7.19	150 RPM	100	2.5	12.40	246	5.78	115.7	1.30	7.9	
1350	7.19	150 RPM	100	3.0	12.40	246	5.78	117.1	1.46	7.1	
1355	7.19	150 RPM	100	3.5	12.52	246	5.78	118.6	1.45	6.7	
1400	7.19	150 RPM	100	4.0	12.26	245	5.77	122.2	1.50	5.6	
1405	7.19	150 RPM	100	4.5	12.24	244	5.77	122.9	1.53	5.5	
1410	7.19	150 RPM	100	5.0	12.20	242	5.76	124.0	1.55	4.8	
1415	7.19	150 RPM	100	5.5	12.21	241	5.77	124.3	1.52	3.1	
1420	7.19	150 RPM	100	6.0	12.15	240	5.74	125.6	1.48	3.3	
1425	7.19	150 RPM	100	6.5	12.24	241	5.77	126.3	1.38	3.0	

TtNUS Form 0009 (modified)

1. Pump dial setting (for example: hertz, cycle/min, etc.)
2. Siemens per cm (same as umhos/cm) at 25 °C.
3. Oxidation reduction potential (stand in for Eh).

TETRA TECH NUS, INC.

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SAMPLE LOG SHEET – "LOW FLOW" GROUNDWATER

Site Name: **Arrowwood Housing Sites – 109/113 Arrowwood Drive**
Sample ID: **AWD-GW-MW202-20080111**

Tetra Tech NUS Charge No. **112G00869 / CTO 426**
QC: **NA** (If applicable)

Sample Method: **Low Stress (flow) with Peristaltic Pump**
Sample Date & Time: **1 / 11 / 2008** **1330** hours
Sampler(s): **M. Alroy** Data Recorded By: **M. Alroy**
Depth Sampled: **10.55 feet btor**
Weather: **Rain showers, 40s**

H&S Survey Meter = **0.0 PPM** Pre-Pump Insertion WL = **5.95 ft btor**

Lab Analyses:
1. **VOCs (SW846-8260B) 3 x 40mL VOA vial with HCl, 4° C**
2. **ETPH (CTDEP) 2 x 1 liter amber glass, 4° C**

Clock Time (24hr)	Water Depth (feet below TOR)	Pump Dial[1]	Purge Rate (ml/min)	Cum. Volume Purged (liters)	Temp (°C)	Spec. Cond.[2] (µS/cm)	pH (S.U.)	ORP (mV)	DO (mg/L)	Turbidity (NTU)	Comments
1240	5.95	125 RPM	100	0.5	9.89	339	6.04	-39.7	2.78	20.4	
1245	5.95	125 RPM	100	1.0	9.71	333	6.08	-57.4	3.03	29.6	
1250	5.95	125 RPM	100	1.5	9.64	326	6.14	-53.7	3.60	24.8	
1255	5.95	125 RPM	100	2.0	9.63	293	6.16	-51.3	3.36	19.5	
1300	5.95	125 RPM	100	2.5	9.58	286	6.16	-48.7	3.46	18.8	
1305	5.95	125 RPM	100	3.0	9.58	284	6.14	-48.5	3.13	17.6	
1310	5.95	125 RPM	100	3.5	9.64	290	6.13	-49.5	2.70	15.5	
1315	5.92	125 RPM	100	4.0	9.72	299	6.11	-49.9	2.46	15.1	
1320	5.92	125 RPM	100	4.5	9.76	301	6.12	-49.6	2.40	14.8	
1325	5.92	125 RPM	100	5.0	9.84	303	6.10	-48.4	2.40	14.6	

TtNUS Form 0009 (modified)

1. Pump dial setting (for example: hertz, cycle/min, etc.)
2. Siemens per cm (same as umhos/cm) at 25 °C.
3. Oxidation reduction potential (stand in for Eh).

TETRA TECH NUS, INC.

Round 1 - January 2008

SAMPLE LOG SHEET – "LOW FLOW" GROUNDWATER

Site Name: **Arrowwood Housing Sites – 122/124 Arrowwood Drive**
Sample ID: **AWD-GW-MW301-20080110**

Tetra Tech NUS Charge No. **112G00869 / CTO 426**
QC: **NA** (If applicable)

Sample Method: **Low Stress (flow) with Peristaltic Pump**
Sample Date & Time: **1 / 10 / 2008 1030** hours
Sampler(s): **P. Seward** Data Recorded By: **P. Seward**
Depth Sampled: **10.73 feet btor**
Weather: **Rainy, 40s**

H&S Survey Meter = **0.0 PPM** Pre-Pump Insertion WL = **NM ft btor**

Lab Analyses:
1. **VOCs (SW846-8260B) 3 x 40mL VOA vial with HCl, 4° C**
2. **ETPH (CTDEP) 2 x 1 liter amber glass, 4° C**

Clock Time (24hr)	Water Depth (feet below TOR)	Pump Dial[1]	Purge Rate (ml/min)	Cum. Volume Purged (liters)	Temp (°C)	Spec. Cond.[2] (µS/cm)	pH (S.U.)	ORP (mV)	DO (mg/L)	Turbidity (NTU)	Comments
0905	8.75		100	0.5	11.85	200	6.62	-21.7	4.92	14	Clear/colorless
0915	8.96		100	1.5	11.08	361	6.03	-0.7	1.17	15	Clear/colorless
0920	8.96		100	2.0	11.10	360	6.03	2.8	0.89	17	Clear/colorless
0925	8.96		100	2.5	11.11	356	6.03	4.6	0.88	16	Clear/colorless
0930	8.96		100	3.0	11.16	355	6.03	7.6	0.80	15	Clear/colorless
0935	8.96		100	3.5	11.23	350	6.00	14.1	0.53	11	Clear/colorless
0940	8.96		100	4.0	11.20	346	5.97	20.1	0.60	6.4	Clear/colorless
0945	8.96		100	4.5	11.12	344	5.97	22.9	0.62	5.2	Clear/colorless
0950	8.91		100	5.0	11.01	342	5.95	26.4	0.61	4.5	Clear/colorless
0955	8.87		100	5.5	11.16	339	5.93	29.5	0.53	2.7	Clear/colorless
1000	8.86		100	6.0	11.05	336	5.92	32.8	0.54	2.8	Clear/colorless
1005	8.86		100	6.5	10.99	333	5.91	36.8	0.62	1.34	Clear/colorless
1010	5.86		100	7.0	10.97	330	5.90	39.2	0.56	1.09	Clear/colorless
1015	5.86		100	7.5	11.07	331	5.88	46.9	0.54	0.93	Clear/colorless
1020	8.86		100	8.0	11.17	330	5.97	41.7	0.52	0.92	Clear/colorless

TtNUS Form 0009 (modified)

1. Pump dial setting (for example: hertz, cycle/min, etc.)
2. Siemens per cm (same as umhos/cm) at 25 °C.
3. Oxidation reduction potential (stand in for Eh).

TETRA TECH NUS, INC.

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SAMPLE LOG SHEET – "LOW FLOW" GROUNDWATER

Site Name: **Arrowwood Housing Sites – 122/124 Arrowwood Drive**
Sample ID: **AWD-GW-MW302-20080108**

Tetra Tech NUS Charge No. **112G00869 / CTO 426**
QC: **NA** (If applicable)

Sample Method: **Low Stress (flow) with Peristaltic Pump**
Sample Date & Time: **1 / 8 / 2008 1735** hours
Sampler(s): **M. Alroy** Data Recorded By: **M. Alroy**
Depth Sampled: **7.96 feet btor**
Weather: **Cloudy, 40s**

H&S Survey Meter = **0.0 PPM** Pre-Pump Insertion WL = **4.92 ft btor**

Lab Analyses:
1. **VOCs (SW846-8260B) 3 x 40mL VOA vial with HCl, 4° C**
2. **ETPH (CTDEP) 2 x 1 liter amber glass, 4° C**

Clock Time (24hr)	Water Depth (feet below TOR)	Pump Dial[1]	Purge Rate (ml/min)	Cum. Volume Purged (liters)	Temp (°C)	Spec. Cond.[2] (µS/cm)	pH (S.U.)	ORP (mV)	DO (mg/L)	Turbidity (NTU)	Comments
1650	4.92	125 RPM	100	0.0	9.21	226	6.23	-19.6	1.74	7.8	
1655	5.00	125 RPM	100	0.5	9.21	226	6.16	-4.8	0.63	5.1	
1700	5.00	125 RPM	100	1.0	9.16	226	6.15	1.7	0.50	4.6	
1705	5.00	125 RPM	100	1.5	9.21	266	6.13	8.3	0.48	4.0	
1710	5.00	125 RPM	100	2.0	9.30	267	6.11	6.8	0.42	3.4	
1715	5.00	125 RPM	100	2.5	9.34	268	6.06	19.6	0.43	3.8	
1720	5.00	125 RPM	100	3.0	9.40	268	6.03	27.6	0.41	3.7	
1725	5.00	125 RPM	100	3.5	9.27	268	6.02	32.2	0.43	4.0	
1730	5.00	125 RPM	100	4.0	9.33	269	5.99	37.1	0.45	4.0	

TtNUS Form 0009 (modified)

1. Pump dial setting (for example: hertz, cycle/min, etc.)
2. Siemens per cm (same as umhos/cm) at 25 °C.
3. Oxidation reduction potential (stand in for Eh).

TETRA TECH NUS, INC.

Round 1 - January 2008

SAMPLE LOG SHEET – "LOW FLOW" GROUNDWATER

Site Name: **Arrowwood Housing Sites – 122/124 Arrowwood Drive**
Sample ID: **AWD-GW-MW303-20080108**

Tetra Tech NUS Charge No. **112G00869 / CTO 426**
QC: **NA** (If applicable)

Sample Method: **Low Stress (flow) with Peristaltic Pump**
Sample Date & Time: **1 / 8 / 2008 1620** hours
Sampler(s): **M. Alroy** Data Recorded By: **M. Alroy**
Depth Sampled: **9.74 feet btor**
Weather: **Cloudy, 40s**

H&S Survey Meter = **30.2 PPM (BZ=0.0)** Pre-Pump Insertion WL = **5.47 ft btor**

Lab Analyses:
1. **VOCs (SW846-8260B) 3 x 40mL VOA vial with HCl, 4° C**
2. **ETPH (CTDEP) 2 x 1 liter amber glass, 4° C**

Clock Time (24hr)	Water Depth (feet below TOR)	Pump Dial[1]	Purge Rate (ml/min)	Cum. Volume Purged (liters)	Temp (°C)	Spec. Cond.[2] (µS/cm)	pH (S.U.)	ORP (mV)	DO (mg/L)	Turbidity (NTU)	Comments
1510	5.47	125 RPM	100	0.5	10.63	359	6.13	-80.2	1.73	24.0	
1515	5.5	125 RPM	100	1.0	10.47	359	6.17	-95.8	0.63	23.0	
1520	5.51	125 RPM	100	1.5	10.38	360	6.17	-104.2	0.48	20.0	
1525	5.51	125 RPM	100	2.0	10.31	359	6.18	-111.6	0.41	21.0	
1530	5.51	125 RPM	100	2.5	10.28	358	6.18	-117.4	0.39	19.0	
1535	5.51	125 RPM	100	3.0	10.29	358	6.19	-120.7	0.36	19.0	
1540	5.51	125 RPM	100	3.5	10.28	358	6.19	-123.3	0.34	19.0	
1545	5.51	125 RPM	100	4.0	10.28	357	6.19	-127.2	0.33	17.0	
1550	5.51	125 RPM	100	4.5	10.30	357	6.19	-129.8	0.32	14.0	
1555	5.51	125 RPM	100	5.0	10.27	357	6.19	-131.7	0.31	11.0	
1600	5.51	125 RPM	100	5.5	10.30	356	6.20	-131.3	0.46	11.0	
1605	5.51	125 RPM	100	6.0	10.30	356	6.20	-131.0	0.43	9.8	
1610	5.51	125 RPM	100	6.5	10.29	356	6.19	-131.6	0.45	9.1	
1615	5.51	125 RPM	100	7.0	10.28	356	6.19	-132.4	0.38	9.3	

TtNUS Form 0009 (modified)
1. Pump dial setting (for example: hertz, cycle/min, etc.)
2. Siemens per cm (same as umhos/cm) at 25 °C.
3. Oxidation reduction potential (stand in for Eh).

TETRA TECH NUS, INC.

Round 1 - January 2008

SAMPLE LOG SHEET – "LOW FLOW" GROUNDWATER

Site Name: **Arrowwood Housing Sites – 122/124 Arrowwood Drive**
Sample ID: **AWD-GW-MW304-20080108**

Tetra Tech NUS Charge No. **112G00869 / CTO 426**
QC: **NA** (If applicable)

Sample Method: **Low Stress (flow) with Peristaltic Pump**
Sample Date & Time: **1 / 8 / 2008 1635** hours
Sampler(s): **P. Seward** Data Recorded By: **P. Seward**
Depth Sampled: **9.66 feet btor**
Weather: **Cloudy, 40s**

H&S Survey Meter = **0.0 PPM** Pre-Pump Insertion WL = **5.34 ft btor**

Lab Analyses:
1. **VOCs (SW846-8260B) 3 x 40mL VOA vial with HCl, 4° C**
2. **ETPH (CTDEP) 2 x 1 liter amber glass, 4° C**

Clock Time (24hr)	Water Depth (feet below TOR)	Pump Dial[1]	Purge Rate (ml/min)	Cum. Volume Purged (liters)	Temp (°C)	Spec. Cond.[2] (µS/cm)	pH (S.U.)	ORP (mV)	DO (mg/L)	Turbidity (NTU)	Comments
1550	5.34		140	700							
1555	5.35		140	700	11.29	294	6.28	2.1	2.05	25	Clear/colorless
1600	5.35		140	700	11.53	295	6.24	11.6	0.64	4.6	Clear/colorless
1605	5.35		140	700	11.64	295	6.22	18.8	0.51	3.2	Clear/colorless
1610	5.35		140	700	11.69	295	6.21	21.7	0.45	1.9	Clear/colorless
1615	5.35		140	700	11.62	294	6.21	23.8	0.32	1.7	Clear/colorless
1620	5.35		140	700	11.68	294	6.20	24.7	0.27	1.7	Clear/colorless
1625	5.35		140	700	11.70	294	6.20	25.2	0.25	1.4	Clear/colorless
1630	5.35		140	700	11.64	294	6.20	26.2	0.25	1.1	Clear/colorless

TtNUS Form 0009 (modified)
1. Pump dial setting (for example: hertz, cycle/min, etc.)
2. Siemens per cm (same as umhos/cm) at 25 °C.
3. Oxidation reduction potential (stand in for Eh).

TETRA TECH NUS, INC.

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SAMPLE LOG SHEET – "LOW FLOW" GROUNDWATER

Site Name: **Arrowwood Housing Sites – 122/124 Arrowwood Drive**
Sample ID: **AWD-GW-MW305-20080110**

Tetra Tech NUS Charge No. **112G00869 / CTO 426**
QC: **NA** (If applicable)

Sample Method: **Low Stress (flow) with Peristaltic Pump**
Sample Date & Time: **1 / 10 / 2008 0930** hours
Sampler(s): **M. Alroy** Data Recorded By: **M. Alroy**
Depth Sampled: **8.60 feet btor**
Weather: **Rainy, 40s**

H&S Survey Meter = **0.0 PPM** Pre-Pump Insertion WL = **3.70 ft btor**

Lab Analyses:
1. **VOCs (SW846-8260B) 3 x 40mL VOA vial with HCl, 4° C**
2. **ETPH (CTDEP) 2 x 1 liter amber glass, 4° C**

Clock Time (24hr)	Water Depth (feet below TOR)	Pump Dial[1]	Purge Rate (ml/min)	Cum. Volume Purged (liters)	Temp (°C)	Spec. Cond.[2] (µS/cm)	pH (S.U.)	ORP (mV)	DO (mg/L)	Turbidity (NTU)	Comments
0845	3.7	125 RPM	100	0.5							
0850	3.78	125 RPM	100	1.0	11.09	277	6.57	86.4	1.84	9.4	
0855	3.78	125 RPM	100	1.5	11.05	281	6.15	86.2	1.07	4.0	
0900	3.78	125 RPM	100	2.0	11.13	303	6.07	81.0	0.76	2.5	
0905	3.77	125 RPM	100	2.5	11.34	291	6.03	82.5	0.63	2.1	
0910	3.77	125 RPM	100	3.0	11.56	282	5.99	85.4	0.54	2.6	
0915	3.78	125 RPM	100	3.5	11.45	278	5.98	86.1	0.53	1.4	
0920	3.78	125 RPM	100	4.0	11.66	279	5.96	86.2	0.50	1.1	
0925	3.78	125 RPM	100	4.5	11.78	276	5.97	87.4	0.49	0.90	

TtNUS Form 0009 (modified)
1. Pump dial setting (for example: hertz, cycle/min, etc.)
2. Siemens per cm (same as umhos/cm) at 25 °C.
3. Oxidation reduction potential (stand in for Eh).

TETRA TECH NUS, INC.

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SAMPLE LOG SHEET – "LOW FLOW" GROUNDWATER

Site Name: **Arrowwood Housing Sites – 191/195 Arrowwood Drive**
Sample ID: **AWD-GW-MW401-20080109**

Tetra Tech NUS Charge No. **112G00869 / CTO 426**
QC: **NA** (If applicable)

Sample Method: **Low Stress (flow) with Peristaltic Pump**
Sample Date & Time: **1 / 9 / 2008 0955** hours
Sampler(s): **M. Alroy** Data Recorded By: **M. Alroy**
Depth Sampled: **9.66 feet btor**
Weather: **Cloudy, 40-50 degrees F**

H&S Survey Meter = **0.0 PPM** Pre-Pump Insertion WL = **6.81 ft btor**

Lab Analyses:
1. **VOCs (SW846-8260B) 3 x 40mL VOA vial with HCl, 4° C**
2. **ETPH (CTDEP) 2 x 1 liter amber glass, 4° C**

Clock Time (24hr)	Water Depth (feet below TOR)	Pump Dial[1]	Purge Rate (ml/min)	Cum. Volume Purged (liters)	Temp (°C)	Spec. Cond.[2] (µS/cm)	pH (S.U.)	ORP (mV)	DO (mg/L)	Turbidity (NTU)	Comments
0855	6.91	125 RPM	100	0.5	11.35	268	5.79	104.4	2.70	11.0	
0900	6.91	125 RPM	100	1.0	11.24	259	5.64	90.2	2.0	5.6	
0905	6.91	125 RPM	100	1.5	11.23	256	5.59	72.0	1.74	5.7	
0910	6.90	125 RPM	100	2.0	11.21	252	5.60	64.7	1.53	3.6	
0915	6.90	125 RPM	100	2.5	11.16	250	5.62	62.0	1.51	2.7	
0920	6.90	125 RPM	100	3.0	11.14	249	5.63	58.2	1.43	3.1	
0925	6.90	125 RPM	100	3.5	11.11	248	5.64	55.7	1.33	1.6	
0930	6.90	125 RPM	100	4.0	11.10	246	5.63	54.7	1.28	2.2	
0935	6.90	125 RPM	100	4.5	11.08	245	5.64	50.1	1.35	1.9	
0940	6.90	125 RPM	100	5.0	11.15	245	5.65	48.8	1.15	1.7	
0945	6.90	125 RPM	100	5.5	11.19	246	5.64	47.8	1.07	1.2	
0950	6.90	125 RPM	100	6.0	11.23	246	5.64	47.6	1.04	1.2	

TtNUS Form 0009 (modified)

1. Pump dial setting (for example: hertz, cycle/min, etc.)
2. Siemens per cm (same as umhos/cm) at 25 °C.
3. Oxidation reduction potential (stand in for Eh).

TETRA TECH NUS, INC.

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SAMPLE LOG SHEET – "LOW FLOW" GROUNDWATER

Site Name: **Arrowwood Housing Sites – 191/195 Arrowwood Drive**
Sample ID: **AWD-GW-MW402-20080109**

Tetra Tech NUS Charge No. **112G00869 / CTO 426**
QC: **AWD-GW-DUP1** (If applicable)

Sample Method: **Low Stress (flow) with Peristaltic Pump**
Sample Date & Time: **1 / 9 / 2008** **1135** hours Dup Time: **1145**
Sampler(s): **P. Seward** Data Recorded By: **P. Seward**
Depth Sampled: **10.88 feet btor**
Weather: **Cloudy, 40-50 degrees F**

H&S Survey Meter = **0.0 PPM** Pre-Pump Insertion WL = **6.81 ft btor**

Lab Analyses:
1. **VOCs (SW846-8260B) 3 x 40mL VOA vial with HCl, 4° C**
2. **ETPH (CTDEP) 2 x 1 liter amber glass, 4° C**

Clock Time (24hr)	Water Depth (feet below TOR)	Pump Dial[1]	Purge Rate (ml/min)	Cum. Volume Purged (liters)	Temp (°C)	Spec. Cond.[2] (µS/cm)	pH (S.U.)	ORP (mV)	DO (mg/L)	Turbidity (NTU)	Comments
0915	7.05		140		10.88	277	7.14	-53.6	1.40	160	Cloudy
0920	7.05		130		10.79	270	6.82	-64.1	1.11	340	Cloudy
0925	7.05		130	2.0	10.73	268	6.74	-66.0	0.99	600	Cloudy
0930	6.99		100		10.63	265	6.71	-68.4	0.83	600	Cloudy
0935	6.98		100	3.0	10.52	263	6.68	-70.2	0.69	550	Cloudy
0945	6.97		100		10.76	253	6.47	-60.9	0.67	>1000	Cloudy
0950	7.01		130	4.0	11.03	253	6.29	-47.0	0.63	>1000	Cloudy
0955	7.02		130		11.15	253	6.26	-43.3	0.61	1000	Cloudy
1000	7.01		130	5.0	11.17	252	6.24	-40.6	0.61	1000	Cloudy
1005	7.01		130		11.22	253	6.21	-38.0	0.63	850	Cloudy
1010	7.01		130		11.26	252	6.19	-36.4	0.64	700	Cloudy
1015	7.01		130		11.30	251	6.18	-34.7	0.66	600	Cloudy
1020	7.01		130	8.0	11.32	251	6.17	-33.5	0.66	650	Cloudy
1025	7.01		130		11.31	249	6.14	-31.3	0.68	600	Cloudy
1030	7.01		130		11.29	248	6.12	-30.0	0.70	600	Cloudy
1035	7.02		130	10.0	11.16	245	6.10	-26.4	0.71	550	Cloudy
1040	7.02		130		11.18	244	6.09	-24.0	0.72	400	Cloudy

TtNUS Form 0009 (modified)

1. Pump dial setting (for example: hertz, cycle/min, etc.)
2. Siemens per cm (same as umhos/cm) at 25 °C.
3. Oxidation reduction potential (stand in for Eh).

TETRA TECH NUS, INC.

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SAMPLE LOG SHEET – "LOW FLOW" GROUNDWATER

Site Name: **Arrowwood Housing Sites – 191/195 Arrowwood Drive**
Sample ID: **AWD-GW-MW402-20080109**

Tetra Tech NUS Charge No. **112G00869 / CTO 426**
QC: **AWD-GW-DUP1** (If applicable)

Clock Time (24hr)	Water Depth (feet below TOR)	Pump Dial[1]	Purge Rate (ml/min)	Cum. Volume Purged (liters)	Temp (°C)	Spec. Cond.[2] (µS/cm)	pH (S.U.)	ORP (mV)	DO (mg/L)	Turbidity (NTU)	Comments
1045	7.02		130		11.21	244	6.08	-23.6	0.73	450	Cloudy
1050	7.02		130	12.0	11.24	244	6.07	-22.0	0.73	500	Cloudy
1055	7.02		130		11.26	244	6.07	-21.4	0.73	500	Cloudy
1100	7.02		130		11.23	245	6.06	-20.1	0.73	450	Cloudy
1105	7.02		130	14.0	11.22	244	6.07	-20.2	0.73	400	Cloudy
1110	7.02		130		11.23	245	6.05	-18.1	0.74	450	Cloudy
1115	7.02		130	15.0	11.23	245	6.06	-18.3	0.75	500	Cloudy
1120	7.02		130		11.22	244	6.06	-17.8	0.73	450	Cloudy
1125	7.02		130	16.0	11.23	245	6.08	-17.9	0.75	450	Cloudy

TtNUS Form 0009 (modified)

1. Pump dial setting (for example: hertz, cycle/min, etc.)
2. Siemens per cm (same as umhos/cm) at 25 °C.
3. Oxidation reduction potential (stand in for Eh).

TETRA TECH NUS, INC.

Round 1 - January 2008

SAMPLE LOG SHEET – "LOW FLOW" GROUNDWATER

Site Name: **Arrowwood Housing Sites – 191/195 Arrowwood Drive**
Sample ID: **AWD-GW-MW403-20080109**

Tetra Tech NUS Charge No. **112G00869 / CTO 426**
QC: **NA** (If applicable)

Sample Method: **Low Stress (flow) with Peristaltic Pump**
Sample Date & Time: **1 / 9 / 2008 1610** hours
Sampler(s): **M. Alroy** Data Recorded By: **M. Alroy**
Depth Sampled: **9.04 feet btor**
Weather: **Cloudy, 40-50 degrees F**

H&S Survey Meter = **0.0 PPM** Pre-Pump Insertion WL = **6.07 ft btor**

Lab Analyses:
1. **VOCs (SW846-8260B) 3 x 40mL VOA vial with HCl, 4° C**
2. **ETPH (CTDEP) 2 x 1 liter amber glass, 4° C**

Clock Time (24hr)	Water Depth (feet below TOR)	Pump Dial[1]	Purge Rate (ml/min)	Cum. Volume Purged (liters)	Temp (°C)	Spec. Cond.[2] (µS/cm)	pH (S.U.)	ORP (mV)	DO (mg/L)	Turbidity (NTU)	Comments
1410	6.07	125 RPM	100	0.0							
1415	6.23	125 RPM	100	0.5	11.19	647	6.28	-123.4	1.42	7.8	
1420	6.30	125 RPM	100	1.0	11.06	648	6.36	-133.9	0.65	8.0	
1425	6.41	125 RPM	100	1.5	10.81	648	6.39	-138.7	0.53	5.6	
1430	6.51	125 RPM	100	2.0	10.77	646	6.41	-138.8	0.45	6.3	
1435	6.65	125 RPM	100	2.5	10.62	645	6.41	-138.9	0.39	7.3	
1440	6.81	125 RPM	100	3.0	10.63	646	6.43	-138.1	0.37	10	
1445	7.00	125 RPM	100	3.5	10.61	646	6.44	-137.1	0.33	10	
1450	7.21	125 RPM	100	4.0	10.56	647	6.45	-138.7	0.32	13	
1455	7.31	125 RPM	100	4.5	10.57	648	6.46	-139.0	0.34	14	
1500	7.31	125 RPM	100	5.0	10.60	648	6.47	-134.4	0.36	9.4	
1505	7.31	125 RPM	100	5.5	10.57	647	6.47	-130.3	0.39	13	
1510	7.37	125 RPM	100	6.0	10.65	646	6.50	-130.0	0.36	15	
1515	7.41	125 RPM	100	6.5	10.65	646	6.48	-128.5	0.37	14	
1520	7.41	125 RPM	100	7.0	10.54	638	6.49	-133.2	0.38	10	
1525	7.42	125 RPM	100	7.5	10.65	640	6.50	-134.4	0.38	7.1	
1530	7.42	125 RPM	100	8.0	10.54	634	6.50	-131.7	0.39	6.8	

TtNUS Form 0009 (modified)
1. Pump dial setting (for example: hertz, cycle/min, etc.)
2. Siemens per cm (same as umhos/cm) at 25 °C.
3. Oxidation reduction potential (stand in for Eh).

TETRA TECH NUS, INC.

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SAMPLE LOG SHEET – "LOW FLOW" GROUNDWATER

Site Name: **Arrowwood Housing Sites – 191/195 Arrowwood Drive**
Sample ID: **AWD-GW-MW403-20080109**

Tetra Tech NUS Charge No. **112G00869 / CTO 426**
QC: **NA** (If applicable)

1545	7.43	125 RPM	100	9.5	10.62	625	6.50	-128.8	0.34	6.3	
1550	7.45	125 RPM	100	10.0	10.64	623	6.50	-129.9	0.39	4.1	
1555	7.46	125 RPM	100	10.5	10.59	619	6.50	-130.5	0.41	3.4	
1600	7.46	125 RPM	100	11.0	10.59	619	6.50	-129.9	0.40	3.4	
1605	7.46	125 RPM	100	11.5	10.59	616	6.50	-126.8	0.41	3.3	

TETRA TECH NUS, INC.

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SAMPLE LOG SHEET – "LOW FLOW" GROUNDWATER

Site Name: **Arrowwood Housing Sites – 191/195 Arrowwood Drive**
Sample ID: **AWD-GW-MW404-20080109**

Tetra Tech NUS Charge No. **112G00869 / CTO 426**
QC: **NA** (If applicable)

Sample Method: **Low Stress (flow) with Peristaltic Pump**
Sample Date & Time: **1 / 9 / 2008 1650** hours
Sampler(s): **P. Seward** Data Recorded By: **P. Seward**
Depth Sampled: **9.78 feet btor**
Weather: **Cloudy, 40-50 degrees F**

H&S Survey Meter = **0.0 PPM** Pre-Pump Insertion WL = **5.65 ft btor**

Lab Analyses:
1. **VOCs (SW846-8260B) 3 x 40mL VOA vial with HCl, 4° C**
2. **ETPH (CTDEP) 2 x 1 liter amber glass, 4° C**

Clock Time (24hr)	Water Depth (feet below TOR)	Pump Dial[1]	Purge Rate (ml/min)	Cum. Volume Purged (liters)	Temp (°C)	Spec. Cond.[2] (µS/cm)	pH (S.U.)	ORP (mV)	DO (mg/L)	Turbidity (NTU)	Comments
1435	5.81		130		12.24	215	6.54	-10.1	1.71	1000	Cloudy
1440	5.85		100	1.0	12.11	218	6.59	-19.3	1.66	1000	Cloudy
1445	5.85		100		12.05	213	6.52	-20.5	1.24	1100	Cloudy
1450	5.85		100	2.0	11.98	216	6.49	-57.1	1.12	900	Cloudy
1455	5.85		100		11.97	222	6.47	-72.2	0.96	650	Cloudy
1500	5.85		100	3.0	11.85	224	6.47	-85.8	0.92	500	Cloudy
1505	5.85		100		11.77	223	6.47	-90.4	0.91	390	Cloudy
1510	5.85		100	4.0	11.77	223	6.47	-91.6	0.88	330	Cloudy
1515	5.85		100		11.72	221	6.48	-89.4	0.85	260	Cloudy
1520	5.85		100	5.0	11.87	222	6.47	-89.9	0.88	200	Cloudy
1525	5.85		100		11.99	222	6.45	-90.7	0.72	150	Cloudy
1530	5.85		100	6.0	11.74	220	6.43	-85.7	0.63	110	Cloudy
1540	5.85		100		11.54	215	6.38	-82.4	0.48	55	Cloudy
1555	5.85		100	7.0	11.53	214	6.34	1535	5.85	100	Cloudy
1600	5.85		100		11.32	213	6.34	-85.2	0.37	34	
1605	5.85		100	8.0	11.23	213	6.34	-85.4	0.35	29	
1610	5.85		100		11.19	211	6.33	-84.0	0.36	24	

TtNUS Form 0009 (modified)

1. Pump dial setting (for example: hertz, cycle/min, etc.)
2. Siemens per cm (same as umhos/cm) at 25 °C.
3. Oxidation reduction potential (stand in for Eh).

TETRA TECH NUS, INC.

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SAMPLE LOG SHEET – "LOW FLOW" GROUNDWATER

Site Name: **Arrowwood Housing Sites – 191/195 Arrowwood Drive**
Sample ID: **AWD-GW-MW404-20080109**

Tetra Tech NUS Charge No. **112G00869 / CTO 426**
QC: **NA** (If applicable)

Clock Time (24hr)	Water Depth (feet below TOR)	Pump Dial[1]	Purge Rate (ml/min)	Cum. Volume Purged (liters)	Temp (°C)	Spec. Cond.[2] (µS/cm)	pH (S.U.)	ORP (mV)	DO (mg/L)	Turbidity (NTU)	Comments
1615	5.85		100	9.0	11.12	211	6.34	-84.5	0.34	19	
1620	5.85		100		11.07	211	6.33	-84.8	0.33	16	
1625	5.85		100	10.0	11.07	210	6.32	-84.8	0.32	20	
1630	5.85		100		11.06	211	6.31	-86.1	0.31	13	
1635	5.85		100	11.0	10.95	211	6.32	-86.4	0.31	14	
1645	5.85		100		10.86	211	6.31	-85.9	0.30	13	

TtNUS Form 0009 (modified)

1. Pump dial setting (for example: hertz, cycle/min, etc.)
2. Siemens per cm (same as umhos/cm) at 25 °C.
3. Oxidation reduction potential (stand in for Eh).

TETRA TECH NUS, INC.

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SAMPLE LOG SHEET – "LOW FLOW" GROUNDWATER

Site Name: **Arrowwood Housing Sites – 122/124 Arrowwood Drive**
Sample ID: **AWD-GW-MW14-20080110**

Tetra Tech NUS Charge No. **112G00869 / CTO 426**
QC: **AWD-GW-DUP2** (If applicable)

Sample Method: **Low Stress (flow) with Peristaltic Pump**
Sample Date & Time: **1 / 10 / 2008** **1110** hours Dup Time: **1115**
Sampler(s): **M. Alroy** Data Recorded By: **M. Alroy**
Depth Sampled: **10 feet btor**
Weather: **Rainy, 40s**

H&S Survey Meter = **0.0 PPM** Pre-Pump Insertion WL = **3.88 ft btor**

Lab Analyses:
1. **VOCs (SW846-8260B) 3 x 40mL VOA vial with HCl, 4° C**
2. **ETPH (CTDEP) 2 x 1 liter amber glass, 4° C**

Clock Time (24hr)	Water Depth (feet below TOR)	Pump Dial[1]	Purge Rate (ml/min)	Cum. Volume Purged (liters)	Temp (°C)	Spec. Cond.[2] (µS/cm)	pH (S.U.)	ORP (mV)	DO (mg/L)	Turbidity (NTU)	Comments
1030	3.88	12s RPM	100	0.5	11.05	301	6.20	88.6	1.63	0.30	
1035	3.88	12s RPM	100	1.0	11.22	303	6.13	80.9	0.81	0.15	
1040	3.89	12s RPM	100	1.5	11.30	303	6.10	79.3	0.64	0.50	
1045	3.88	12s RPM	100	2.0	11.18	304	6.08	79.8	0.56	0.55	
1050	3.88	12s RPM	100	2.5	11.19	304	6.06	79.8	0.52	0.05	
1055	3.88	12s RPM	100	3.0	11.41	306	6.06	81.3	0.47	0.30	
1100	3.88	12s RPM	100	3.5	11.45	305	6.05	79.6	0.44	0.15	
1105	3.88	12s RPM	100	4.0	11.48	304	6.05	79.2	0.44	0.65	

TtNUS Form 0009 (modified)

1. Pump dial setting (for example: hertz, cycle/min, etc.)
2. Siemens per cm (same as umhos/cm) at 25 °C.
3. Oxidation reduction potential (stand in for Eh).

TETRA TECH NUS, INC.

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SAMPLE LOG SHEET – "LOW FLOW" GROUNDWATER

Site Name: **Arrowwood Housing Sites – 109/113 Arrowwood Drive**
Sample ID: **AWD-SW-PZ203-20080111**

Tetra Tech NUS Charge No. **112G00869 / CTO 426**
QC: **AWD-SW-DUP1** (If applicable)

Sample Method: **Low Stress (flow) with Peristaltic Pump**
Sample Date & Time: **1 / 11 / 2008** **1200** hours Dup Time: **1210**
Sampler(s): **P. Seward** Data Recorded By: **P. Seward**
Depth Sampled: **2.15 feet btor**
Weather: **Rain showers, 40s. Standing water near piezometer.**

H&S Survey Meter = **0.0 PPM** Pre-Pump Insertion WL = **NM ft btor**

Lab Analyses:
1. **VOCs (SW846-8260B) 3 x 40mL VOA vial with HCl, 4° C**
2. **ETPH (CTDEP) 2 x 1 liter amber glass, 4° C**

Clock Time (24hr)	Water Depth (feet below TOR)	Pump Dial[1]	Purge Rate (ml/min)	Cum. Volume Purged (liters)	Temp (°C)	Spec. Cond.[2] (µS/cm)	pH (S.U.)	ORP (mV)	DO (mg/L)	Turbidity (NTU)	Comments
1055	0.5										
1100	0.9		100	0.5	6.03	64	6.20	6.3	13.77	44	
1105	0.9		100	1.0	6.10	77	6.07	21.8	12.93	37	
1110	0.9		150	1.5	6.15	70	6.07	27.5	13.31	20	
1115	0.9		150	2.0	6.01	54	6.09	35.1	13.79	16	
1120	0.9		150	2.5	6.06	53	6.08	43.9	13.79	15	
1125	0.9		150	3.0	6.02	53	6.08	51.4	13.77	14	
1130	0.9		150	3.5	6.12	54	6.08	59.2	13.66	13	
1135	0.9		150	4.0	6.13	55	6.07	64.8	13.51	16	
1140	0.9		150	4.5	6.17	55	6.08	68.4	13.45	22	
1145	0.9		150	5.0	6.21	55	6.09	68.9	13.43	24	
1150	0.9		150	5.5	6.23	55	6.09	72.2	13.28	16	

TtNUS Form 0009 (modified)

1. Pump dial setting (for example: hertz, cycle/min, etc.)
2. Siemens per cm (same as umhos/cm) at 25 °C.
3. Oxidation reduction potential (stand in for Eh).

TETRA TECH NUS, INC.

Round 1 - January 2008

SAMPLE LOG SHEET – "LOW FLOW" GROUNDWATER

Site Name: **Arrowwood Housing Sites – 47/49 Arrowwood Drive**
Sample ID: **AWD-SW-SW01-20080108**

Tetra Tech NUS Charge No. **112G00869 / CTO 426**
QC: **NA** (If applicable)

Sample Method: **Low Stress (flow) with Peristaltic Pump**
Sample Date & Time: **1 / 8 / 2008 1030** hours
Sampler(s): **M. Alroy** Data Recorded By: **M. Alroy**
Depth Sampled: **15.76 feet btor**
Weather: **Cloudy, 40s**

H&S Survey Meter = **0.0 PPM** Pre-Pump Insertion WL = **13.52 ft btor**

Lab Analyses:
1. **VOCs (SW846-8260B) 3 x 40mL VOA vial with HCl, 4° C**
2. **ETPH (CTDEP) 2 x 1 liter amber glass, 4° C**

Clock Time (24hr)	Water Depth (feet below TOR)	Pump Dial[1]	Purge Rate (ml/min)	Cum. Volume Purged (liters)	Temp (°C)	Spec. Cond.[2] (µS/cm)	pH (S.U.)	ORP (mV)	DO (mg/L)	Turbidity (NTU)	Comments
0930		150 RPM									
0935	13.55	1/3 Turn	100	1.0	11.82	328	5.97	69.4	1.71	1.1	
0940	13.57	1/3 Turn	100	1.5	12.07	242	5.52	82.4	0.87	1.1	
0945	13.55	1/3 Turn	100	2.0	12.16	223	5.53	84.6	0.68	1.4	
0950	13.55	1/3 Turn	100	2.5	12.24	219	5.54	83.1	0.58	1.3	
0955	13.56	1/3 Turn	100	3.0	12.35	218	5.56	77.1	0.49	1.2	
1000	13.56	1/3 Turn	100	3.5	12.39	218	5.56	76.2	0.44	1.0	
1005	13.56	1/3 Turn	100	4.0	12.48	218	5.56	74.0	0.40	1.0	
1010	13.55	1/3 Turn	100	4.5	12.53	219	5.57	72.2	0.37	1.0	
1015	13.56	1/3 Turn	100	5.0	12.60	220	5.58	68.9	0.35	1.0	
1020	13.56	1/3 Turn	100	5.5	12.64	221	5.59	67.5	0.35	1.0	
1025	13.56	1/3 Turn	100	6.0	12.64	222	5.59	66.3	0.34	0.0	

TtNUS Form 0009 (modified)

1. Pump dial setting (for example: hertz, cycle/min, etc.)
2. Siemens per cm (same as umhos/cm) at 25 °C.
3. Oxidation reduction potential (stand in for Eh).

TETRA TECH NUS, INC.

Round 2 - March 2008

SAMPLE LOG SHEET – "LOW FLOW" GROUNDWATER

Site Name: **Arrowwood Housing Sites – 47/49 Arrowwood Drive**
Sample ID: **AWD-GW-MW101-20080324**

Tetra Tech NUS Charge No. **112G00869 / CTO 426**
QC: **MS/MSD** (If applicable)

Sample Method: **Low Stress (flow) with Peristaltic Pump**
Sample Date & Time: **3 / 24 / 2008** **1630** hours
Sampler(s): **C. Fellows** Data Recorded By: **C. Fellows**
Depth Sampled: **14.92 feet btor**
Weather: **Sunny, 40-50 degrees F**
Begin purge 1525

H&S Survey Meter = **0.0 PPM** Pre-Pump Insertion WL = **11.84 ft btor**

Lab Analyses:
1. **VOCs (SW846-8260B) 3 x 40mL VOA vial with HCl, 4° C**
2. **ETPH (CTDEP) 2 x 1 liter amber glass, 4° C**

Clock Time (24hr)	Water Depth (feet below TOR)	Pump Dial[1]	Purge Rate (ml/min)	Cum. Volume Purged (liters)	Temp (°C)	Spec. Cond.[2] (µS/cm)	pH (S.U.)	ORP (mV)	DO (%)	Turbidity (NTU)	Comments
1540	11.84	12:30	200	3.0	12.00	454	5.64	325.0	16.5	10.87	Clear/colorless
1545	11.85	12:30	210	4.0	10.37	459	5.63	326.6	16.5	8.22	Clear/colorless
1550	11.86	12:30	220	5.0	10.10	457	5.63	326.4	8.8	6.13	Clear/colorless
1555	11.86	12:30	220	6.0	10.06	457	5.63	325.3	7.9	4.53	Clear/colorless
1600	11.86	12:30	220	7.0	9.94	457	5.64	323.3	7.2	4.28	Clear/colorless
1605	11.86	12:30	220	8.0	9.94	457	5.65	322.0	6.5	4.07	Clear/colorless
1610	11.86	12:30	220	9.0	9.97	454	5.68	320.8	7.2	4.69	Clear/colorless
1615	11.86	12:30	220	10.0	9.95	452	5.69	320.0	7.3	4.80	Clear/colorless
1620	11.86	12:30	220	11.0	9.94	452	5.69	320.3	7.3	4.36	Clear/colorless
1625	11.86	12:30	220	12.0	9.93	452	5.69	319.5	7.0	4.51	Clear/colorless

TtNUS Form 0009 (modified)

1. Pump dial setting (for example: hertz, cycle/min, etc.)
2. Siemens per cm (same as umhos/cm) at 25 °C.
3. Oxidation reduction potential (stand in for Eh).

TETRA TECH NUS, INC.

Round 2 - March 2008

SAMPLE LOG SHEET – "LOW FLOW" GROUNDWATER

Site Name: **Arrowwood Housing Sites – 47/49 Arrowwood Drive**
Sample ID: **AWD-GW-MW102-20080324**

Tetra Tech NUS Charge No. **112G00869 / CTO 426**
QC: **NA** (If applicable)

Sample Method: **Low Stress (flow) with Peristaltic Pump**
Sample Date & Time: **3 / 24 / 2008** **1630** hours
Sampler(s): **P. Seward** Data Recorded By: **P. Seward**
Depth Sampled: **14.21 feet btor**
Weather: **Sunny, 40s**

H&S Survey Meter = **0.0 PPM** Pre-Pump Insertion WL = **11.41 ft btor**

Lab Analyses:
1. **VOCs (SW846-8260B) 3 x 40mL VOA vial with HCl, 4° C**
2. **ETPH (CTDEP) 2 x 1 liter amber glass, 4° C**

Clock Time (24hr)	Water Depth (feet below TOR)	Pump Dial[1]	Purge Rate (ml/min)	Cum. Volume Purged (liters)	Temp (°C)	Spec. Cond.[2] (µS/cm)	pH (S.U.)	ORP (mV)	DO (mg/L)	Turbidity (NTU)	Comments
1545	11.63		170	1.0	11.24	489	6.28	28.6	1.58	9.54	Clear
1550	11.63		190	2.0	10.72	466	6.28	50.7	1.22	8.81	Clear
1555	11.63		210	3.0	10.26	421	6.24	38.8	1.05	7.90	Clear
1600	11.65		210	4.0	10.37	414	6.21	47.7	0.99	4.48	Clear
1605	11.64		210	5.0	10.27	368	6.14	69.1	0.95	3.82	Clear
1610	11.65		210	6.0	10.27	351	6.11	71.1	0.89	1.82	Clear
1615	11.65		210	7.0	10.30	348	6.09	78.6	0.84	1.73	Clear
1620	11.65		210	8.0	10.35	349	6.07	81.5	0.88	1.63	Clear
1625	11.65		210	9.0	10.29	346	6.06	84.0	0.82	1.53	Clear

TtNUS Form 0009 (modified)

1. Pump dial setting (for example: hertz, cycle/min, etc.)
2. Siemens per cm (same as umhos/cm) at 25 °C.
3. Oxidation reduction potential (stand in for Eh).

TETRA TECH NUS, INC.

Round 2 - March 2008

SAMPLE LOG SHEET – "LOW FLOW" GROUNDWATER

Site Name: **Arrowwood Housing Sites – 47/49 Arrowwood Drive**
Sample ID: **AWD-GW-MW103-20080325**

Tetra Tech NUS Charge No. **112G00869 / CTO 426**
QC: **NA** (If applicable)

Sample Method: **Low Stress (flow) with Peristaltic Pump**
Sample Date & Time: **3 / 25 / 2008** **1025** hours
Sampler(s): **P. Seward** Data Recorded By: **P. Seward**
Depth Sampled: **14.50 feet btor**
Weather: **Sunny, 35 degrees F, winds 8-10 mph**

H&S Survey Meter = **0.0 PPM** Pre-Pump Insertion WL = **10.00 ft btor**

Lab Analyses:
1. **VOCs (SW846-8260B) 3 x 40mL VOA vial with HCl, 4° C**
2. **ETPH (CTDEP) 2 x 1 liter amber glass, 4° C**

Clock Time (24hr)	Water Depth (feet below TOR)	Pump Dial[1]	Purge Rate (ml/min)	Cum. Volume Purged (liters)	Temp (°C)	Spec. Cond.[2] (µS/cm)	pH (S.U.)	ORP (mV)	DO (mg/L)	Turbidity (NTU)	Comments
0940	10.05		160	1.0	11.05	335	5.39	170.5	1.36	5.58	Clear/colorless
0945	10.05		180	2.0	10.50	329	5.35	184.6	0.74	4.99	Clear/colorless
0950	10.05		200	3.0	10.05	324	5.36	174.6	0.58	5.30	Clear/colorless
0955	10.05		200	4.0	10.11	321	5.38	162.0	0.80	4.32	Clear/colorless
1000	10.05		200	5.0	10.00	319	5.41	166.9	0.79	2.79	Clear/colorless
1005	10.06		200	6.0	10.15	320	5.43	166.7	0.67	1.23	Clear/colorless
1010	10.04		200	7.0	10.04	319	5.45	169.3	1.01	0.31	Clear/colorless
1015	10.06		200	8.0	10.00	318	5.45	170.4	1.01	0.86	Clear/colorless
1020	10.06		200	9.0	9.97	317	5.47	172.0	1.08	0.93	Clear/colorless

TtNUS Form 0009 (modified)

1. Pump dial setting (for example: hertz, cycle/min, etc.)
2. Siemens per cm (same as umhos/cm) at 25 °C.
3. Oxidation reduction potential (stand in for Eh).

TETRA TECH NUS, INC.

Round 2 - March 2008

SAMPLE LOG SHEET – "LOW FLOW" GROUNDWATER

Site Name: **Arrowwood Housing Sites – 47/49 Arrowwood Drive**
Sample ID: **AWD-GW-MW104-20080325**

Tetra Tech NUS Charge No. **112G00869 / CTO 426**
QC: **NA** (If applicable)

Sample Method: **Low Stress (flow) with Peristaltic Pump**
Sample Date & Time: **3 / 25 / 2008** **1040** hours
Sampler(s): **C. Fellows** Data Recorded By: **C. Fellows**
Depth Sampled: **5.40 feet btor**
Weather: **Sunny, 40s**
Begin purge 0935

H&S Survey Meter = **0.0 PPM** Pre-Pump Insertion WL = **2.45 ft btor**

Lab Analyses:
1. **VOCs (SW846-8260B) 3 x 40mL VOA vial with HCl, 4° C**
2. **ETPH (CTDEP) 2 x 1 liter amber glass, 4° C**

Clock Time (24hr)	Water Depth (feet below TOR)	Pump Dial[1]	Purge Rate (ml/min)	Cum. Volume Purged (liters)	Temp (°C)	Spec. Cond.[2] (µS/cm)	pH (S.U.)	ORP (mV)	DO (%)	Turbidity (NTU)	Comments
0940	2.53	1:00	200	2.0	7.38	102	5.65	178.2	16.9	2.39	Clear/colorless
0945	2.54	1:00	210	3.0	7.39	102	5.67	178.6	17.7	1.10	Clear/colorless
0950	2.54	1:00	210	4.0	7.39	103	5.69	179.6	20.0	0.86	Clear/colorless
0955	2.55	1:00	220	5.0	7.46	104	5.71	178.7	22.1	0.92	Clear/colorless
1000	2.55	1:00	220	6.0	7.47	105	5.72	180.7	24.4	0.52	Clear/colorless
1005	2.55	1:00	230	7.0	7.47	105	5.72	182.6	25.3	0.48	Clear/colorless
1010	2.56	1:00	230	8.0	7.48	104	5.72	182.4	24.9	0.24	Clear/colorless
1015	2.56	1:00	230	9.0	7.55	103	5.71	186.6	23.4	0.32	Clear/colorless
1020	2.56	1:00	230	10.0	7.58	104	5.72	186.9	27.0	0.27	Clear/colorless
1025	2.57	1:00	230	11.0	7.54	104	5.72	191.9	26.3	0.25	Clear/colorless
1030	2.57	1:00	230	12.0	7.58	104	5.72	192.9	26.2	0.28	Clear/colorless
1035	2.57	1:00	230	13.0	7.58	104	5.72	193.6	25.7	0.31	Clear/colorless

TtNUS Form 0009 (modified)

1. Pump dial setting (for example: hertz, cycle/min, etc.)
2. Siemens per cm (same as umhos/cm) at 25 °C.
3. Oxidation reduction potential (stand in for Eh).

TETRA TECH NUS, INC.

Round 2 - March 2008

SAMPLE LOG SHEET – "LOW FLOW" GROUNDWATER

Site Name: **Arrowwood Housing Sites – 109/113 Arrowwood Drive**
Sample ID: **AWD-GW-MW201-20080325**

Tetra Tech NUS Charge No. **112G00869 / CTO 426**
QC: **NA** (If applicable)

Sample Method: **Low Stress (flow) with Peristaltic Pump**
Sample Date & Time: **3 / 25 / 2008** **1240** hours
Sampler(s): **P. Seward** Data Recorded By: **P. Seward**
Depth Sampled: **10.23 feet btor**
Weather: **Sunny, 41 degrees F, winds 5-7 mph**

H&S Survey Meter = **0.0 PPM** Pre-Pump Insertion WL = **6.55 ft btor**

Lab Analyses:
1. **VOCs (SW846-8260B) 3 x 40mL VOA vial with HCl, 4° C**
2. **ETPH (CTDEP) 2 x 1 liter amber glass, 4° C**

Clock Time (24hr)	Water Depth (feet below TOR)	Pump Dial[1]	Purge Rate (ml/min)	Cum. Volume Purged (liters)	Temp (°C)	Spec. Cond.[2] (µS/cm)	pH (S.U.)	ORP (mV)	DO (mg/L)	Turbidity (NTU)	Comments
1200	6.55		220	1.0	10.43	353	5.74	264.9	3.86	5.36	Clear/colorless
1205	6.55		220	2.0	10.26	350	5.73	269.1	3.77	3.04	Clear/colorless
1210	6.55		220	3.0	10.12	349	5.72	275.4	3.70	2.00	Clear/colorless
1215	6.55		220	4.0	10.11	345	5.75	279.1	3.62	2.20	Clear/colorless
1220	6.55		220	5.0	10.09	344	5.75	283.2	3.56	3.34	Clear/colorless
1225	6.55		220	6.0	10.16	337	5.77	285.9	3.49	1.01	Clear/colorless
1230	6.55		220	7.0	10.11	332	5.76	289.0	3.44	1.08	Clear/colorless
1235	6.55		220	8.0	10.14	332	5.76	291.8	3.43	0.97	Clear/colorless

TtNUS Form 0009 (modified)

1. Pump dial setting (for example: hertz, cycle/min, etc.)
2. Siemens per cm (same as umhos/cm) at 25 °C.
3. Oxidation reduction potential (stand in for Eh).

TETRA TECH NUS, INC.

Round 2 - March 2008

SAMPLE LOG SHEET – "LOW FLOW" GROUNDWATER

Site Name: **Arrowwood Housing Sites – 109/113 Arrowwood Drive**
Sample ID: **AWD-GW-MW202-20080325**

Tetra Tech NUS Charge No. **112G00869 / CTO 426**
QC: **NA** (If applicable)

Sample Method: **Low Stress (flow) with Peristaltic Pump**
Sample Date & Time: **3 / 25 / 2008** **1435** hours
Sampler(s): **P. Seward** Data Recorded By: **P. Seward**
Depth Sampled: **10.24 feet btor**
Weather: **Sunnay, 44 degrees F, winds 2-5 mph**

H&S Survey Meter = **0.0 PPM** Pre-Pump Insertion WL = **5.57 ft btor**

Lab Analyses:
1. **VOCs (SW846-8260B) 3 x 40mL VOA vial with HCl, 4° C**
2. **ETPH (CTDEP) 2 x 1 liter amber glass, 4° C**

Clock Time (24hr)	Water Depth (feet below TOR)	Pump Dial[1]	Purge Rate (ml/min)	Cum. Volume Purged (liters)	Temp (°C)	Spec. Cond.[2] (µS/cm)	pH (S.U.)	ORP (mV)	DO (mg/L)	Turbidity (NTU)	Comments
1345	5.70		120	1.0	10.27	475	6.24	26.5	0.73	24.5	Clear/orange particles
1350	5.74		120	2.0	9.15	484	6.24	17.5	0.44	15.8	Clear/orange particles
1355	5.75		120	3.0	8.65	493	6.22	10.9	0.37	10.46	Clear/orange particles
1400	5.75		120	4.0	8.60	494	6.20	9.5	0.31	7.68	Clear/orange particles
1405	5.75		120	5.0	8.69	495	6.21	6.8	0.26	6.57	Clear/orange particles
1410	5.75		120	6.0	8.66	497	6.21	5.1	0.24	3.79	Clear/orange particles
1415	5.73		120	7.0	8.69	502	6.20	4.1	0.26	5.17	Clear/orange particles
1420	5.73		120	8.0	8.73	501	6.20	2.9	0.26	3.77	Clear/orange particles
1425	5.73		120	9.0	8.77	503	6.20	1.3	0.24	3.64	Clear/orange particles
1430	5.73		120	10.0	8.75	503	6.18	0.9	0.23	3.58	Clear/orange particles

TtNUS Form 0009 (modified)

1. Pump dial setting (for example: hertz, cycle/min, etc.)
2. Siemens per cm (same as umhos/cm) at 25 °C.
3. Oxidation reduction potential (stand in for Eh).

TETRA TECH NUS, INC.

Round 2 - March 2008

SAMPLE LOG SHEET – "LOW FLOW" GROUNDWATER

Site Name: **Arrowwood Housing Sites – 122/124 Arrowwood Drive**
Sample ID: **AWD-GW-MW301-20080326**

Tetra Tech NUS Charge No. **112G00869 / CTO 426**
QC: **NA** (If applicable)

Sample Method: **Low Stress (flow) with Peristaltic Pump**
Sample Date & Time: **3 / 26 / 2008** **1120** hours
Sampler(s): **C. Fellows** Data Recorded By: **C. Fellows**
Depth Sampled: **9.34 feet btor**
Weather: **Sunny, windy, 40s**
Begin purge 1005

H&S Survey Meter = **0.0 PPM** Pre-Pump Insertion WL = **6.62 ft btor**

Lab Analyses:
1. **VOCs (SW846-8260B) 3 x 40mL VOA vial with HCl, 4° C**
2. **ETPH (CTDEP) 2 x 1 liter amber glass, 4° C**

Clock Time (24hr)	Water Depth (feet below TOR)	Pump Dial[1]	Purge Rate (ml/min)	Cum. Volume Purged (liters)	Temp (°C)	Spec. Cond.[2] (µS/cm)	pH (S.U.)	ORP (mV)	DO (mg/L)	Turbidity (NTU)	Comments
1020	6.89	12:00	180	2.0	9.32	482	5.80	225.9	2.24	1.69	Clear/colorless
1025	6.90	12:00	170	3.0	9.35	480	5.77	225.7	1.39	1.43	Clear/colorless
1030	6.90	12:00	170	4.0	9.37	480	5.77	225.8	1.72	1.34	Clear/colorless
1035	6.90	12:00	175	5.0	9.44	479	5.76	226.6	1.20	0.91	Clear/colorless
1040	6.90	12:00	170	6.0	9.63	473	5.74	228.6	1.67	1.49	Clear/colorless
1045	6.90	12:00	170	7.0	9.74	473	5.74	228.2	1.74	1.01	Clear/colorless
1050	6.92	12:00	170	8.0	9.74	474	5.74	229.0	1.81	0.66	Clear/colorless
1055	6.92	12:00	170	9.0	9.73	474	5.72	229.1	1.65	0.38	Clear/colorless
1100	6.92	12:00	170	10.0	9.70	470	5.70	232.6	1.61	0.25	Clear/colorless
1105	6.92	12:00	170	11.0	9.65	470	5.70	232.8	1.63	0.32	Clear/colorless
1110	6.92	12:00	170	12.0	9.70	469	5.70	232.8	1.62	0.40	Clear/colorless

TtNUS Form 0009 (modified)

1. Pump dial setting (for example: hertz, cycle/min, etc.)
2. Siemens per cm (same as umhos/cm) at 25 °C.
3. Oxidation reduction potential (stand in for Eh).

TETRA TECH NUS, INC.

Round 2 - March 2008

SAMPLE LOG SHEET – "LOW FLOW" GROUNDWATER

Site Name: **Arrowwood Housing Sites – 122/124 Arrowwood Drive**
Sample ID: **AWD-GW-MW302-20080326**

Tetra Tech NUS Charge No. **112G00869 / CTO 426**
QC: **NA** (If applicable)

Sample Method: **Low Stress (flow) with Peristaltic Pump**
Sample Date & Time: **3 / 26 / 2008** **1400** hours
Sampler(s): **C. Fellows** Data Recorded By: **C. Fellows**
Depth Sampled: **6.82 feet btor**
Weather: **Sunny, windy, 40s**

H&S Survey Meter = **0.0 PPM** Pre-Pump Insertion WL = **3.41 ft btor**

Lab Analyses:
1. **VOCs (SW846-8260B) 3 x 40mL VOA vial with HCl, 4° C**
2. **ETPH (CTDEP) 2 x 1 liter amber glass, 4° C**

Clock Time (24hr)	Water Depth (feet below TOR)	Pump Dial[1]	Purge Rate (ml/min)	Cum. Volume Purged (liters)	Temp (°C)	Spec. Cond.[2] (µS/cm)	pH (S.U.)	ORP (mV)	DO (mg/L)	Turbidity (NTU)	Comments
1215	3.53	12:00	180	1.0	9.88	443	5.80	209.9	3.90	18.5	Clear/colorless
1220	3.55	12:00	200	2.0	9.87	451	5.76	217.7	3.90	18.3	Clear/colorless
1225	3.55	12:00	200	3.0	9.95	455	5.71	218.1	3.53	16.5	Clear/colorless
1230	3.55	12:00	190	4.0	9.83	456	5.69	220.4	3.52	14.9	Clear/colorless
1235	3.55	12:00	190	5.0	9.71	460	5.70	212.6	3.13	13.6	Clear/colorless
1240	3.55	12:00	190	6.0	9.75	457	5.69	216.4	3.78	10.37	Clear/colorless
1245	3.55	12:00	190	7.0	9.87	458	5.73	204.0	3.47	9.12	Clear/colorless
1250	3.55	12:00	190	8.0	9.61	458	5.73	206.6	3.33	7.69	Clear/colorless
1255	3.55	12:00	190	9.0	9.58	458	5.74	208.8	3.41	6.48	Clear/colorless
1300	3.55	12:00	190	10.0	9.48	457	5.73	204.5	3.47	5.19	Clear/colorless
1305	3.55	12:00	190	11.0	9.42	457	5.75	203.6	3.49	4.36	Clear/colorless
1310	3.55	12:00	190	12.0	9.45	459	5.74	200.7	3.37	3.46	Clear/colorless
1315	3.55	12:00	190	13.0	9.55	458	5.74	202.8	3.24	2.72	Clear/colorless
1320	3.55	12:00	190	14.0	9.90	459	5.73	202.9	3.17	2.25	Clear/colorless
1325	3.55	12:00	190	15.0	9.82	461	5.73	202.4	3.11	2.03	Clear/colorless
1330	3.55	12:00	190	16.0	9.49	460	5.74	197.9	3.09	1.85	Clear/colorless
1335	3.55	12:00	190	17.0	9.38	458	5.75	196.7	3.20	1.78	Clear/colorless
1340	3.55	12:00	190	18.0	9.34	458	5.74	198.9	3.13	1.33	Clear/colorless

TtNUS Form 0009 (modified)

1. Pump dial setting (for example: hertz, cycle/min, etc.)
2. Siemens per cm (same as umhos/cm) at 25 °C.
3. Oxidation reduction potential (stand in for Eh).

TETRA TECH NUS, INC.

Round 2 - March 2008

SAMPLE LOG SHEET – "LOW FLOW" GROUNDWATER

Site Name: **Arrowwood Housing Sites – 122/124 Arrowwood Drive**
Sample ID: **AWD-GW-MW302-20080326**

Tetra Tech NUS Charge No. **112G00869 / CTO 426**
QC: **NA** (If applicable)

Clock Time (24hr)	Water Depth (feet below TOR)	Pump Dial[1]	Purge Rate (ml/min)	Cum. Volume Purged (liters)	Temp (°C)	Spec. Cond.[2] (µS/cm)	pH (S.U.)	ORP (mV)	DO (mg/L)	Turbidity (NTU)	Comments
1345	3.55	12:00	190	19.0	9.42	459	5.76	193.6	3.21	0.69	Clear/colorless
1350	3.55	12:00	190	20.0	9.36	458	5.79	193.9	3.16	0.54	Clear/colorless
1355	3.55	12:00	190	21.0	9.40	458	5.75	193.0	3.19	0.29	Clear/colorless

TtNUS Form 0009 (modified)

1. Pump dial setting (for example: hertz, cycle/min, etc.)
2. Siemens per cm (same as umhos/cm) at 25 °C.
3. Oxidation reduction potential (stand in for Eh).

TETRA TECH NUS, INC.

Round 2 - March 2008

SAMPLE LOG SHEET – "LOW FLOW" GROUNDWATER

Site Name: **Arrowwood Housing Sites – 122/124 Arrowwood Drive**
Sample ID: **AWD-GW-MW303-20080326**

Tetra Tech NUS Charge No. **112G00869 / CTO 426**
QC: **NA** (If applicable)

Sample Method: **Low Stress (flow) with Peristaltic Pump**
Sample Date & Time: **3 / 26 / 2008** **1600** hours
Sampler(s): **C. Fellows** Data Recorded By: **C. Fellows**
Depth Sampled: **8.89 feet btor**
Weather: **Sunny, windy, 45 degrees F**
Begin purge 1445

H&S Survey Meter = **0.0** Pre-Pump Insertion WL = **4.57 ft btor**

Lab Analyses:
1. **VOCs (SW846-8260B) 3 x 40mL VOA vial with HCl, 4° C**
2. **ETPH (CTDEP) 2 x 1 liter amber glass, 4° C**

Clock Time (24hr)	Water Depth (feet below TOR)	Pump Dial[1]	Purge Rate (ml/min)	Cum. Volume Purged (liters)	Temp (°C)	Spec. Cond.[2] (µS/cm)	pH (S.U.)	ORP (mV)	DO (mg/L)	Turbidity (NTU)	Comments
1505	4.66	12:00	190	2.0	8.56	567	6.21	-137.6	7.40	7.07	Clear/colorless
1515	4.67	12:00	200	3.0	8.43	544	6.20	-142.3	7.63	2.27	Clear/colorless
1520	4.67	12:00	200	4.0	8.24	548	6.20	-144.2	7.59	1.82	Clear/colorless
1525	4.67	12:00	200	5.0	8.21	556	6.21	-144.1	8.23	1.75	Clear/colorless
1530	4.67	12:00	200	6.0	8.50	557	6.21	-142.8	7.93	1.65	Clear/colorless
1535	4.67	12:00	200	7.0	8.58	559	6.21	-144.5	7.25	0.90	Clear/colorless
1540	4.67	12:00	200	8.0	8.53	546	6.20	-149.0	6.71	0.71	Clear/colorless
1545	4.67	12:00	200	9.0	8.57	543	6.20	-145.9	6.66	0.40	Clear/colorless
1550	4.67	12:00	200	10.0	8.53	539	6.21	-146.6	6.34	0.39	Clear/colorless
1555	4.67	12:00	200	11.0	8.54	539	6.21	-144.4	6.52	0.31	Clear/colorless

TtNUS Form 0009 (modified)

1. Pump dial setting (for example: hertz, cycle/min, etc.)
2. Siemens per cm (same as umhos/cm) at 25 °C.
3. Oxidation reduction potential (stand in for Eh).

TETRA TECH NUS, INC.

Round 2 - March 2008

SAMPLE LOG SHEET – "LOW FLOW" GROUNDWATER

Site Name: **Arrowwood Housing Sites – 122/124 Arrowwood Drive**
Sample ID: **AWD-GW-MW304-20080325**

Tetra Tech NUS Charge No. **112G00869 / CTO 426**
QC: **NA** (If applicable)

Sample Method: **Low Stress (flow) with Peristaltic Pump**
Sample Date & Time: **3 / 25 / 2008** **1520** hours
Sampler(s): **C. Fellows** Data Recorded By: **C. Fellows**
Depth Sampled: **8.61 feet btor**
Weather: **Sunny, 40s**

H&S Survey Meter = **0.0 PPM** Pre-Pump Insertion WL = **4.87 ft btor**

Lab Analyses:
1. **VOCs (SW846-8260B) 3 x 40mL VOA vial with HCl, 4° C**
2. **ETPH (CTDEP) 2 x 1 liter amber glass, 4° C**

Clock Time (24hr)	Water Depth (feet below TOR)	Pump Dial[1]	Purge Rate (ml/min)	Cum. Volume Purged (liters)	Temp (°C)	Spec. Cond.[2] (µS/cm)	pH (S.U.)	ORP (mV)	DO (mg/L)	Turbidity (NTU)	Comments
1335	4.90	1:00	200		10.12	448	6.08	123.0	9.5	5.22	Clear/colorless
1340	4.90	1:00	200	1.0	9.9	447	6.08	114.2	4.8	4.55	Clear/colorless
1345	4.90	1:00	210	2.0	9.86	449	6.08	116.2	5.6	4.68	Clear/colorless
1350	4.90	1:00	210	3.0	9.80	448	6.08	116.5	11.1	4.32	Clear/colorless
1355	4.90	1:00	220	4.0	10.05	446	6.07	113.1	13.9	1.33	Clear/colorless
1400	4.90	1:00	220	5.0	10.29	443	6.08	112.6	20.9	1.47	Clear/colorless
1405	4.90	1:00	220	6.0	9.95	446	6.08	112.7	5.4	0.91	Clear/colorless
1410	4.90	1:00	220	7.0	9.91	446	6.08	111.3	5.0	0.83	Clear/colorless
1415	4.90	1:00	220	8.5	10.14	443	6.08	109.5	3.0	0.69	Clear/colorless
1420	4.90	1:00	220	10.0	10.39	442	6.08	109.9	3.3	0.61	Clear/colorless
1425	4.90	1:00	220	11.0	10.18	444	6.08	109.7	3.4	0.59	Clear/colorless
1430	4.90	1:00	220	12.5	10.18	445	6.09	110.1	3.6	0.46	Clear/colorless
1435	4.90	1:00	220	14.0	10.36	443	6.09	112.7	3.4	0.40	Clear/colorless
1440	4.90	1:00	220	15.5	10.32	445	6.09	113.8	3.9	0.20	Clear/colorless
1445	4.90	1:00	220	17.0	10.33	445	6.09	110.0	-2.3	0.21	Clear/colorless
1450	4.90	1:00	220	18.5	10.03	417	6.09	104.1	-0.5	0.18	Clear/colorless
1455	4.90	1:00	220	20.0	10.02	446	6.09	110.0	4.0	0.16	Clear/colorless
1500	4.90	1:00	220	21.0	9.92	445	6.09	109.5	2.0	0.08	Clear/colorless

TtNUS Form 0009 (modified)

1. Pump dial setting (for example: hertz, cycle/min, etc.)
2. Siemens per cm (same as umhos/cm) at 25 °C.
3. Oxidation reduction potential (stand in for Eh).

TETRA TECH NUS, INC.

Round 2 - March 2008

SAMPLE LOG SHEET – "LOW FLOW" GROUNDWATER

Site Name: **Arrowwood Housing Sites – 122/124 Arrowwood Drive**
Sample ID: **AWD-GW-MW304-20080325**

Tetra Tech NUS Charge No. **112G00869 / CTO 426**
QC: **NA** (If applicable)

Clock Time (24hr)	Water Depth (feet below TOR)	Pump Dial[1]	Purge Rate (ml/min)	Cum. Volume Purged (liters)	Temp (°C)	Spec. Cond.[2] (µS/cm)	pH (S.U.)	ORP (mV)	DO (mg/L)	Turbidity (NTU)	Comments
1505	4.90	1:00	220	22.5	9.96	446	6.09	109.4	0.6	0.00	Clear/colorless
1510	4.90	1:00	220	24.0	9.96	446	6.09	109.9	3.9	0.00	Clear/colorless
1515	4.90	1:00	220	25.0	9.95	446	6.09	109.7	3.2	0.00	Clear/colorless

TtNUS Form 0009 (modified)

1. Pump dial setting (for example: hertz, cycle/min, etc.)
2. Siemens per cm (same as umhos/cm) at 25 °C.
3. Oxidation reduction potential (stand in for Eh).

TETRA TECH NUS, INC.

Round 2 - March 2008

SAMPLE LOG SHEET – "LOW FLOW" GROUNDWATER

Site Name: **Arrowwood Housing Sites – 122/124 Arrowwood Drive**
Sample ID: **AWD-GW-MW305-20080325**

Tetra Tech NUS Charge No. **112G00869 / CTO 426**
QC: **NA** (If applicable)

Sample Method: **Low Stress (flow) with Peristaltic Pump**
Sample Date & Time: **3 / 25 / 2008** **1730** hours
Sampler(s): **C. Fellows** Data Recorded By: **C. Fellows**
Depth Sampled: **8.50 feet btor**
Weather: **Sunny, 40s**

H&S Survey Meter = **0.0 PPM** Pre-Pump Insertion WL = **3.04 ft btor**

Lab Analyses:
1. **VOCs (SW846-8260B) 3 x 40mL VOA vial with HCl, 4° C**
2. **ETPH (CTDEP) 2 x 1 liter amber glass, 4° C**

Clock Time (24hr)	Water Depth (feet below TOR)	Pump Dial[1]	Purge Rate (ml/min)	Cum. Volume Purged (liters)	Temp (°C)	Spec. Cond.[2] (µS/cm)	pH (S.U.)	ORP (mV)	DO (mg/L)	Turbidity (NTU)	Comments
1610	3.24	11	140		11.42	469	6.03	200.6	1.00	42.5	Cloudy, colorless
1615	3.25	11	140		9.78	468	5.94	198.6	0.80	66.9	Cloudy
1620	3.27	11	140		9.57	467	5.96	198.0	0.77	53.1	Cloudy
1625	3.27	11	140	1	9.58	464	5.95	198.1	0.72	57.1	Cloudy
1630	3.27	11	140		9.46	465	5.96	197.8	0.71	48.8	Cloudy
1635	3.28	11	140		9.45	464	5.96	198.8	0.67	39.4	Cloudy
1640	3.28	11	140	2	9.54	465	5.96	199.0	0.64	38.0	Cloudy
1645	3.28	11	140		9.48	465	5.96	199.4	0.61	27.7	Cloudy
1650	3.28	11	140		9.49	464	5.96	199.2	0.60	22.8	Cloudy
1655	3.28	11	140	3	9.49	465	5.96	199.3	0.61		Cloudy
1700	3.28	11	140		9.50	465	5.96	199.0	0.60	25.1	Cloudy
1705	3.28	11	140		9.51	464	5.96	199.0	0.57	19.8	Slightly cloudy
1710	3.28	11	140		9.45	465	5.96	199.3	0.57	18.3	Slightly cloudy
1715	3.28	11	140		9.42	465	5.96	199.3	0.56	18.6	Slightly cloudy
1720	3.28	11	140		9.40	464	5.96	199.2	0.56	18.5	Slightly cloudy

TtNUS Form 0009 (modified)

1. Pump dial setting (for example: hertz, cycle/min, etc.)
2. Siemens per cm (same as umhos/cm) at 25 °C.
3. Oxidation reduction potential (stand in for Eh).

TETRA TECH NUS, INC.

Round 2 - March 2008

SAMPLE LOG SHEET – "LOW FLOW" GROUNDWATER

Site Name: **Arrowwood Housing Sites – 191/195 Arrowwood Drive**
Sample ID: **AWD-GW-MW401-20080326**

Tetra Tech NUS Charge No. **112G00869 / CTO 426**
QC: **NA** (If applicable)

Sample Method: **Low Stress (flow) with Peristaltic Pump**
Sample Date & Time: **3 / 26 / 2008** **1120** hours
Sampler(s): **P. Seward** Data Recorded By: **P. Seward**
Depth Sampled: **8.75 feet btor**
Weather: **Sunny, 44 degrees F, winds 10-15 mph**

H&S Survey Meter = **0.0 PPM** Pre-Pump Insertion WL = **5.93 ft btor**

Lab Analyses:
1. **VOCs (SW846-8260B) 3 x 40mL VOA vial with HCl, 4° C**
2. **ETPH (CTDEP) 2 x 1 liter amber glass, 4° C**

Clock Time (24hr)	Water Depth (feet below TOR)	Pump Dial[1]	Purge Rate (ml/min)	Cum. Volume Purged (liters)	Temp (°C)	Spec. Cond.[2] (µS/cm)	pH (S.U.)	ORP (mV)	DO (mg/L)	Turbidity (NTU)	Comments
1020	5.93		180								
1025	6.15		180	1.5	10.30	321	6.12	240.8	3.00	13.2	Clear/colorless
1030	6.18		180		9.60	323	5.80	237.6	1.99	16.3	Clear/colorless
1035	6.19		180	3.0	9.76	344	5.72	210.2	1.75	8.75	Clear/colorless
1040	6.12		120		9.69	347	5.72	203.7	1.78	9.69	Clear/colorless
1045	6.10		120	4.0	9.60	355	5.69	189.6	1.84	7.12	Clear/colorless
1050	6.12		120		9.77	358	5.66	180.8	1.87	4.77	Clear/colorless
1055	6.12		120	5.0	9.81	362	5.66	174.9	1.91	4.86	Clear/colorless
1105	6.10		120		9.97	369	5.64	172.5	2.05	2.72	Clear/colorless
1110	6.10		120	6.5	10.02	369	5.66	171.9	2.01	2.77	Clear/colorless
1115	6.10		120		9.89	376	5.62	168.9	2.12	2.81	Clear/colorless

TtNUS Form 0009 (modified)

1. Pump dial setting (for example: hertz, cycle/min, etc.)
2. Siemens per cm (same as umhos/cm) at 25 °C.
3. Oxidation reduction potential (stand in for Eh).

TETRA TECH NUS, INC.

Round 2 - March 2008

SAMPLE LOG SHEET – "LOW FLOW" GROUNDWATER

Site Name: **Arrowwood Housing Sites – 191/195 Arrowwood Drive**
Sample ID: **AWD-GW-MW402-20080326**

Tetra Tech NUS Charge No. **112G00869 / CTO 426**
QC: **NA** (If applicable)

Sample Method: **Low Stress (flow) with Peristaltic Pump**
Sample Date & Time: **3 / 26 / 2008 1615** hours
Sampler(s): **P. Seward** Data Recorded By: **P. Seward**
Depth Sampled: **10.43 feet btor**
Weather: **Sunny, 48 degrees F, winds 10-15 mph**

H&S Survey Meter = **0.0 PPM** Pre-Pump Insertion WL = **5.85 ft btor**

Lab Analyses:
1. **VOCs (SW846-8260B) 3 x 40mL VOA vial with HCl, 4° C**
2. **ETPH (CTDEP) 2 x 1 liter amber glass, 4° C**

Clock Time (24hr)	Water Depth (feet below TOR)	Pump Dial[1]	Purge Rate (ml/min)	Cum. Volume Purged (liters)	Temp (°C)	Spec. Cond.[2] (µS/cm)	pH (S.U.)	ORP (mV)	DO (mg/L)	Turbidity (NTU)	Comments
1240	6.35		100		10.87	347	6.13	106.3	1.00	33.5	Visible fines–tan (light)
1245	6.40		100	1.0	10.22	347	6.08	102.4	0.84	38.7	Visible fines–tan (light)
1250	6.41		100		9.60	346	6.08	94.9	0.71	40.2	Visible fines–tan (light)
1255	6.42		100	2.0	9.44	345	6.08	92.4	0.62	34.9	Visible fines–tan (light)
1300	6.45		100		9.14	346	6.09	89.3	0.59	50.6	Visible fines–tan (light)
1305	6.46		100	3.0	9.07	358	6.04	87.1	0.84	57.9	Visible fines–tan (light)
1310	6.45		100		9.05	363	6.03	88.4	0.91	51.6	Visible fines–tan (light)
1315	6.45		100	4.0	9.24	368	6.00	89.5	0.97	39.4	Visible fines–tan (light)
1320	6.38		100		9.31	370	6.00	85.7	0.95	28.8	Visible fines–tan (light)
1325	6.38		100	5.0	9.37	372	6.00	80.4	0.82	26.5	Visible fines–tan (light)
1330	6.36		100		9.14	373	6.02	78.8	0.82	23.2	Visible fines–tan (light)
1335	6.36		100	6.0	8.75	374	6.08	74.9	0.77	20.0	Visible fines–tan (light)
1340	6.35		100		8.58	373	6.04	71.5	0.77	17.9	Visible fines–tan (light)
1355	6.32		100	7.0	8.66	374	6.06	67.5	0.78	12.5	Visible fines–tan (light)
1400	6.32		100		8.58	374	6.05	65.5	0.81	11.6	Visible fines–tan (light)
1600	6.28		100	20.0	8.57	389	6.07	60.6	1.05	11.8	Visible fines–tan (light)
1605	6.28		100		8.62	389	6.07	61.5	1.03	11.1	Visible fines–tan (light)
1610	6.28		100	21.0	8.70	389	6.07	62.3	1.02	11.7	Visible fines–tan (light)

TtNUS Form 0009 (modified)

1. Pump dial setting (for example: hertz, cycle/min, etc.)
2. Siemens per cm (same as umhos/cm) at 25 °C.
3. Oxidation reduction potential (stand in for Eh).

TETRA TECH NUS, INC.

Round 2 - March 2008

SAMPLE LOG SHEET – "LOW FLOW" GROUNDWATER

Site Name: **Arrowwood Housing Sites – 191/195 Arrowwood Drive**
Sample ID: **AWD-GW-MW403-20080327**

Tetra Tech NUS Charge No. **112G00869 / CTO 426**
QC: **AWD-GW-DUP1** (If applicable)

Sample Method: **Low Stress (flow) with Peristaltic Pump**
Sample Date & Time: **3 / 27 / 2008** **1100** hours Dup Time: **1115**
Sampler(s): **C. Fellows** Data Recorded By: **C. Fellows**
Depth Sampled: **8.40 feet btor**
Weather: **Cloudy, 40 degrees F**

H&S Survey Meter = **3.0 PPM** Pre-Pump Insertion WL = **5.35 ft btor**

Lab Analyses:
1. **VOCs (SW846-8260B) 3 x 40mL VOA vial with HCl, 4° C**
2. **ETPH (CTDEP) 2 x 1 liter amber glass, 4° C**

Clock Time (24hr)	Water Depth (feet below TOR)	Pump Dial[1]	Purge Rate (ml/min)	Cum. Volume Purged (liters)	Temp (°C)	Spec. Cond.[2] (µS/cm)	pH (S.U.)	ORP (mV)	DO (mg/L)	Turbidity (NTU)	Comments
0910	5.62	12:00	130		8.50	714	6.95	203.2	1.29	4.55	Clear/light brown
0915	5.62	12:00	130	1.0	8.17	700	7.00	198.8	1.24	1.90	Clear/colorless
0920	5.65	12:00	130		7.97	691	7.03	196.8	1.30	0.96	Clear/colorless
0925	5.65	12:00	130	2.5	7.86	685	7.06	194.8	1.24	0.62	Clear/colorless
0930	5.66	12:00	130		7.74	676	7.08	188.9	1.18	0.87	Clear/colorless
0935	5.70	12:00	130	4.0	7.67	668	7.11	183.0	1.19	0.87	Clear/colorless
0940	5.71	12:00	130		7.65	670	7.11	179.3	1.21	0.80	Clear/colorless
0945	5.71	12:00	130	6.5	7.67	672	7.12	173.5	1.20	0.86	Clear/colorless
0950	5.75	12:00	130		7.69	673	7.13	166.8	1.24	0.81	Clear/colorless
0955	5.75	12:00	130	8.0	7.73	672	7.13	163.6	1.26	0.84	Clear/colorless
1000	5.75	12:00	130		7.81	669	7.13	156.8	1.21	0.84	Clear/colorless
1005	5.75	12:00	130	9.5	7.86	666	7.13	153.4	1.22	0.85	Clear/colorless
1010	5.75	12:00	130		7.93	662	7.14	148.0	1.21	0.72	Clear/colorless
1015	5.75	12:00	130	11.0	8.00	652	7.13	141.7	1.20	0.70	Clear/colorless
1020	5.75	12:00	130		8.01	647	7.13	138.9	1.19	0.68	Clear/colorless
1025	5.75	12:00	130	12.5	7.98	640	7.13	133.3	1.22	0.68	Clear/colorless
1030	5.75	12:00	130		7.95	630	7.13	129.7	1.21	0.65	Clear/colorless
1035	5.75	12:00	130	14.0	7.92	627	7.13	125.3	1.20	0.59	Clear/colorless

TtNUS Form 0009 (modified)

1. Pump dial setting (for example: hertz, cycle/min, etc.)
2. Siemens per cm (same as umhos/cm) at 25 °C.
3. Oxidation reduction potential (stand in for Eh).

TETRA TECH NUS, INC.

Round 2 - March 2008

SAMPLE LOG SHEET – "LOW FLOW" GROUNDWATER

Site Name: **Arrowwood Housing Sites – 191/195 Arrowwood Drive**
Sample ID: **AWD-GW-MW403-20080327**

Tetra Tech NUS Charge No. **112G00869 / CTO 426**
QC: **AWD-GW-DUP1** (If applicable)

1040	5.75	12:00	130		7.91	622	7.13	120.2	1.21	0.57	Clear/colorless
1045	5.75	12:00	130	15.5	7.91	617	7.13	119.0	1.22	0.58	Clear/colorless
1050	5.75	12:00	130		7.93	616	7.13	118.4	1.23	0.55	Clear/colorless
1055	5.75	12:00	130	17.0	7.92	616	7.13	117.4	1.22	0.56	Clear/colorless

TtNUS Form 0009 (modified)

1. Pump dial setting (for example: hertz, cycle/min, etc.)
2. Siemens per cm (same as umhos/cm) at 25 $^{\circ}$C.
3. Oxidation reduction potential (stand in for Eh).

TETRA TECH NUS, INC.

Round 2 - March 2008

SAMPLE LOG SHEET – "LOW FLOW" GROUNDWATER

Site Name: **Arrowwood Housing Sites – 191/195 Arrowwood Drive**
Sample ID: **AWD-GW-MW404-20080327**

Tetra Tech NUS Charge No. **112G00869 / CTO 426**
QC: **NA** (If applicable)

Sample Method: **Low Stress (flow) with Peristaltic Pump**
Sample Date & Time: **3 / 27 / 2008** **1420** hours
Sampler(s): **C. Fellows** Data Recorded By: **C. Fellows**
Depth Sampled: **9.30 feet btor**
Weather: **Cloudy, High 30s**
Begin purge 1200

H&S Survey Meter = **0.0 PPM** Pre-Pump Insertion WL = **4.99 ft btor**

Lab Analyses:
1. **VOCs (SW846-8260B) 3 x 40mL VOA vial with HCl, 4° C**
2. **ETPH (CTDEP) 2 x 1 liter amber glass, 4° C**

Clock Time (24hr)	Water Depth (feet below TOR)	Pump Dial[1]	Purge Rate (ml/min)	Cum. Volume Purged (liters)	Temp (°C)	Spec. Cond.[2] (µS/cm)	pH (S.U.)	ORP (mV)	DO (mg/L)	Turbidity (NTU)	Comments
1230	5.26	9:00	85	3.0	9.25	231	6.95	160.2	2.69	80.9	Cloudy/light brown
1235	5.30	10:00	120		8.62	226	6.77	131.6	2.46	72.7	Cloudy/light brown
1240	5.32	10:00	120	4.0	8.48	227	6.72	120.5	2.38	88.5	Cloudy/light brown
1245	5.35	10:00	130		8.36	234	6.61	74.2	2.03	104.7	Cloudy/light brown
1250	5.35	10:00	130	5.5	8.44	279	5.42	33.8	1.37	99.3	Cloudy/light brown
1255	5.35	10:00	130		8.52	293	5.40	20.4	1.17	98.7	Cloudy/light brown
1300	5.35	10:00	130	7.0	8.51	297	5.40	17.1	1.10	93.8	Cloudy/light brown
1305	5.35	10:00	130		8.49	299	5.45	15.3	1.02	88.5	Cloudy/light brown
1310	5.35	10:00	130	8.5	8.47	300	6.33	12.1	0.91	73.1	Cloudy/light brown
1315	5.35	10:00	130		8.45	302	6.34	10.7	0.87	61.4	Cloudy/light brown
1320	5.35	10:00	130	10.0	8.44	303	6.35	10.6	0.83	52.8	Cloudy/light brown
1325	5.35	10:00	130		8.41	303	6.35	8.6	0.78	41.9	Cloudy/light brown
1330	5.35	10:00	130	11.5	8.35	304	6.34	7.6	0.71	37.6	Cloudy/light brown
1335	5.35	10:00	130		8.33	304	6.35	6.4	0.69	35.7	Cloudy/light brown
1340	5.35	10:00	130	13.0	8.30	304	6.34	6.3	0.65	30.0	Cloudy/light brown
1345	5.35	10:00	130		8.29	302	6.34	6.0	0.64	28.7	Cloudy/light brown
1350	5.35	10:00	130	15.0	8.30	303	6.34	6.2	0.62	23.8	Cloudy/light brown
1355	5.35	10:00	130		8.29	303	6.34	6.0	0.61	25.4	Cloudy/light brown

TtNUS Form 0009 (modified)

1. Pump dial setting (for example: hertz, cycle/min, etc.)
2. Siemens per cm (same as umhos/cm) at 25 °C.
3. Oxidation reduction potential (stand in for Eh).

TETRA TECH NUS, INC.

Round 2 - March 2008

SAMPLE LOG SHEET – "LOW FLOW" GROUNDWATER

Site Name: **Arrowwood Housing Sites – 191/195 Arrowwood Drive**
Sample ID: **AWD-GW-MW404-20080327**

Tetra Tech NUS Charge No. **112G00869 / CTO 426**
QC: **NA** (If applicable)

Clock Time (24hr)	Water Depth (feet below TOR)	Pump Dial[1]	Purge Rate (ml/min)	Cum. Volume Purged (liters)	Temp (°C)	Spec. Cond.[2] (µS/cm)	pH (S.U.)	ORP (mV)	DO (mg/L)	Turbidity (NTU)	Comments
1400	5.35	10:00	130	16.5	8.31	303	6.34	5.8	0.59	24.3	Cloudy/light brown
1405	5.35	10:00	130		8.33	304	6.34	5.6	0.58	24.3	Cloudy/light brown
1410	5.35	10:00	130	18.0	8.33	304	6.33	5.6	0.58	24.9	Cloudy/light brown

TtNUS Form 0009 (modified)

1. Pump dial setting (for example: hertz, cycle/min, etc.)
2. Siemens per cm (same as umhos/cm) at 25 °C.
3. Oxidation reduction potential (stand in for Eh).

TETRA TECH NUS, INC.

Round 2 - March 2008

SAMPLE LOG SHEET – "LOW FLOW" GROUNDWATER

Site Name: **Arrowwood Housing Sites – 122/124 Arrowwood Drive**
Sample ID: **AWD-GW-MW14-20080325**

Tetra Tech NUS Charge No. **112G00869 / CTO 426**
QC: **NA** (If applicable)

Sample Method: **Low Stress (flow) with Peristaltic Pump**
Sample Date & Time: **3 / 25 / 2008** **1245** hours
Sampler(s): **C. Fellows** Data Recorded By: **C. Fellows**
Depth Sampled: **9.25 feet btor**
Weather: **Sunny, 40s**
Begin purge 1155

H&S Survey Meter = **0.0 PPM** Pre-Pump Insertion WL = **3.57 ft btor**

Lab Analyses:
1. **VOCs (SW846-8260B) 3 x 40mL VOA vial with HCl, 4° C**
2. **ETPH (CTDEP) 2 x 1 liter amber glass, 4° C**

Clock Time (24hr)	Water Depth (feet below TOR)	Pump Dial[1]	Purge Rate (ml/min)	Cum. Volume Purged (liters)	Temp (°C)	Spec. Cond.[2] (µS/cm)	pH (S.U.)	ORP (mV)	DO (%)	Turbidity (NTU)	Comments
1200	3.60	1:00	200	1.0	9.62	385	6.10	189.6	8.0	0.10	Clear/colorless
1205	3.60	1:00	210	2.0	9.67	383	6.10	189.8	6.5	0.11	Clear/colorless
1210	3.60	1:00	210	3.0	9.68	381	6.10	190.5	5.5	0.11	Clear/colorless
1215	3.60	1:00	220	4.0	9.69	381	6.10	190.8	4.5	0.11	Clear/colorless
1220	3.60	1:00	220	5.0	9.79	381	6.10	191.1	3.9	0.11	Clear/colorless
1225	3.60	1:00	220	6.0	9.76	383	6.10	191.8	4.0	0.03	Clear/colorless
1230	3.60	1:00	220	7.0	9.87	380	6.10	192.1	3.7	0.04	Clear/colorless
1235	3.60	1:00	230	8.0	9.85	380	6.10	192.7	3.7	0.00	Clear/colorless
1240	3.60	1:00	230	9.0	9.83	380	6.10	192.9	3.5	0.01	Clear/colorless

TtNUS Form 0009 (modified)

1. Pump dial setting (for example: hertz, cycle/min, etc.)
2. Siemens per cm (same as umhos/cm) at 25 °C.
3. Oxidation reduction potential (stand in for Eh).

TETRA TECH NUS, INC.

SURFACE WATER SAMPLE LOG SHEET

Site Name:	Arrowwood Housing Sites	**Date:**	3/27/2008
Location:	NSB New London, Groton, CT	**Sampler:**	P. Seward
Sample ID:	PZ-203A	**PID:**	0.0
Depth to Water:	0.74' BTOR		
Total Depth:	3.00'		
Water Column:			
Purge Start:	1020		
Volume Purged:	1400 mL initial purge*		

Field Equipment

Make	Model
Geopump	Peristaltic
YSI	
Lamotte	Turbidimeter

Water Quality Information (not purged to stabilization)

Time	Temp (ºC)	pH	SPC (µS/cm)	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Salinity (ppth)	Other
1110	7.97	6.54	186	7.96	37.6	122	NA	

Groundwater Sampling Information

Time	Sample ID	Container	Volume	Preservative	Analysis
1445	AWD-SW-PZ203A-20080327	40 mL vial	3 x 40 mL	HCl	VOC
1445	AWD-SW-PZ203A-20080327	1 liter amber	400 mL	---	CT ETPH

Quality Control Sample Information

Duplicate Sample ID: NA **Duplicate Sample Time:** NA **MS/MSD?** Y / **N**

OBSERVATIONS/NOTES:

- Not purged to stabilization. One water quality reading only.
- Recharge was extremely slow.

*Initial water level was high.

TETRA TECH NUS, INC.

SURFACE WATER SAMPLE LOG SHEET

Site Name:	Arrowwood Housing Sites	**Date:**	3/27/2008
Location:	NSB New London, Groton, CT	**Sampler:**	P. Seward
Sample ID:	SW01	**PID:**	0.0
Depth to Water:	3.7' BTOR		
Total Depth:	5.0' BTOR		
Water Column:			
Purge Start:	1000		
Volume Purged:	225 mL initial purge, 200 mL second purge (measured water quality parameters)		

Field Equipment

Make	Model
Geopump	Peristaltic
YSI	
Lamotte	Turbidimeter

Water Quality Information (not purged to stabilization)

Time	Temp (ºC)	pH	SPC (µS/cm)	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Salinity (ppth)	Other
1020	7.93	5.90	372	4.30	35.6	57.5	NA	

Groundwater Sampling Information

Time	Sample ID	Container	Volume	Preservative	Analysis
1150	AWD-SW-SW1-20080327	40 mL vial	3 x 40 mL	HCl	VOC
1150	AWD-SW-SW1-20080327	1 liter amber	2 x 1 liter	---	CT ETPH
1230	AWD-SW-DUP1	40 mL vial	3 x 40 mL	HCl	VOC
1230	AWD-SW-DUP1	1 liter amber	2 x 1 liter	---	CT ETPH

Quality Control Sample Information

Duplicate Sample ID: AWD-SW-DUP1 **Duplicate Sample Time:** 1230 **MS/MSD?** Y / **N**

OBSERVATIONS/NOTES:

- Water initially contained silt, then cleared.

TETRA TECH NUS, INC.

Round 3 - June 2008

SAMPLE LOG SHEET – "LOW FLOW" GROUNDWATER

Site Name: **Arrowwood Housing Sites – 47/49 Arrowwood Drive**
Sample ID: **AWD-GW-MW101-20080610**

Tetra Tech NUS Charge No. **112G00869 / CTO 426**
QC: **AWD-GW-DUP01** (If applicable)

Sample Method: **Low Stress (flow) with Peristaltic Pump**
Sample Date & Time: **6 / 10 / 2008** **0925** hours **Dup Time: 0930**
Sampler(s): **R. Clark** Data Recorded By: **R. Clark**
Depth Sampled: **15.10 feet btor**
Weather: **Sunny, humid, 80s**

H&S Survey Meter = **0.0 PPM** Pre-Pump Insertion WL = **12.95 ft btor**

Lab Analyses:
1. **VOCs (SW846-8260B) 3 x 40mL VOA vial with HCl, 4° C**
2. **ETPH (CTDEP) 2 x 1 liter amber glass, 4° C**

Clock Time (24hr)	Water Depth (feet below TOR)	Pump Dial[1]	Purge Rate (ml/min)	Cum. Volume Purged (liters)	Temp (°C)	Spec. Cond.[2] (µS/cm)	pH (S.U.)	ORP (mV)	DO (mg/L)	Turbidity (NTU)	Comments
0845	12.95		200	1.0	15.29	301	5.64	227.7	2.84	95	
0850	12.96		200	2.0	15.00	299	5.64	225.1	2.01	36	
0855	12.96		200	3.0	14.93	298	5.63	225.7	1.58	12	
0900	12.95		200	4.0	14.73	295	5.62	225.9	1.35	3.8	
0905	12.95		200	5.0	14.72	294	5.62	226.1	1.21	1.9	
0910	12.95		200	6.0	14.75	294	5.62	226.2	1.14	1.4	
0915	12.95		200	7.0	14.75	293	5.61	226.1	1.10	1.3	
0920	12.95		200	8.0	14.81	293	5.61	225.6	1.07	1.8	

TtNUS Form 0009 (modified)

1. Pump dial setting (for example: hertz, cycle/min, etc.)
2. Siemens per cm (same as umhos/cm) at 25 °C.
3. Oxidation reduction potential (stand in for Eh).

TETRA TECH NUS, INC.

Round 3 - June 2008

SAMPLE LOG SHEET – "LOW FLOW" GROUNDWATER

Site Name: **Arrowwood Housing Sites – 47/49 Arrowwood Drive**
Sample ID: **AWD-GW-MW102-20080609**

Tetra Tech NUS Charge No. **112G00869 / CTO 426**
QC: **NA** (If applicable)

Sample Method: **Low Stress (flow) with Peristaltic Pump**
Sample Date & Time: **6 / 9 / 2008 1600** hours
Sampler(s): **R. Clark** Data Recorded By: **R. Clark**
Depth Sampled: **14.40 feet btor**
Weather: **Sunny, humid, 95 degrees F**

H&S Survey Meter = **0.0 PPM** Pre-Pump Insertion WL = **12.31 ft btor**

Lab Analyses:
1. **VOCs (SW846-8260B) 3 x 40mL VOA vial with HCl, 4° C**
2. **ETPH (CTDEP) 2 x 1 liter amber glass, 4° C**

Clock Time (24hr)	Water Depth (feet below TOR)	Pump Dial[1]	Purge Rate (ml/min)	Cum. Volume Purged (liters)	Temp (°C)	Spec. Cond.[2] (µS/cm)	pH (S.U.)	ORP (mV)	DO (mg/L)	Turbidity (NTU)	Comments
1505	12.40		200	1.0	17.50	286	5.92	49.5	1.50	45	
1510	12.40		200	2.0	17.18	258	5.89	57.5	1.09	32	Tan/cloudy
1515	12.40		200	3.0	16.80	249	5.87	67.2	0.98	24	Light tan
1520	12.41		200	4.0	16.18	236	5.86	76.3	0.83	13	Light tan
1525	12.41		200	5.0	15.88	230	5.85	82.0	0.80	10	Clear
1530	12.40		200	6.0	16.00	225	5.84	89.5	0.80	7.1	Clear
1535	12.40		200	7.0	16.00	222	5.84	94.8	0.83	6.1	Clear
1540	12.40		200	8.0	15.95	221	5.83	102.1	0.85	4.5	Clear
1545	12.40		200	9.0	15.77	219	5.82	107.1	0.84	4.1	Clear
1550	12.40		200	10.0	16.45	223	5.82	110.9	0.82	3.9	Clear

TtNUS Form 0009 (modified)

1. Pump dial setting (for example: hertz, cycle/min, etc.)
2. Siemens per cm (same as umhos/cm) at 25 °C.
3. Oxidation reduction potential (stand in for Eh).

TETRA TECH NUS, INC.

Round 3 - June 2008

SAMPLE LOG SHEET – "LOW FLOW" GROUNDWATER

Site Name: **Arrowwood Housing Sites – 47/49 Arrowwood Drive**
Sample ID: **AWD-GW-MW103-20080609**

Tetra Tech NUS Charge No. **112G00869 / CTO 426**
QC: **NA** (If applicable)

Sample Method: **Low Stress (flow) with Peristaltic Pump**
Sample Date & Time: **6 / 9 / 2008 1430** hours
Sampler(s): **R. Clark** Data Recorded By: **R. Clark**
Depth Sampled: **18.84 feet btor**
Weather: **Sunny, humid, 98 degrees F**
Begin purge 1345

H&S Survey Meter = **0.0 PPM** Pre-Pump Insertion WL = **10.77 ft btor**

Lab Analyses:
1. **VOCs (SW846-8260B) 3 x 40mL VOA vial with HCl, 4° C**
2. **ETPH (CTDEP) 2 x 1 liter amber glass, 4° C**

Clock Time (24hr)	Water Depth (feet below TOR)	Pump Dial[1]	Purge Rate (ml/min)	Cum. Volume Purged (liters)	Temp (°C)	Spec. Cond.[2] (µS/cm)	pH (S.U.)	ORP (mV)	DO (mg/L)	Turbidity (NTU)	Comments
1355	10.81		200	1.0	16.66	272	5.68	180.8	2.68	6.7	Tan/cloudy
1400	10.80		200	2.0	16.61	272	5.62	184.6	2.21	4.5	Light tan
1405	10.80		200	3.0	16.49	270	5.59	188.5	2.24	3.7	Light tan
1410	10.80		200	4.0	16.63	266	5.55	192.7	2.20	2.5	Clear
1415	10.80		200	5.0	16.62	266	5.54	195.0	2.24	2.3	Clear

TtNUS Form 0009 (modified)

1. Pump dial setting (for example: hertz, cycle/min, etc.)
2. Siemens per cm (same as umhos/cm) at 25 °C.
3. Oxidation reduction potential (stand in for Eh).

TETRA TECH NUS, INC.

Round 3 - June 2008

SAMPLE LOG SHEET – "LOW FLOW" GROUNDWATER

Site Name: **Arrowwood Housing Sites – 47/49 Arrowwood Drive**
Sample ID: **AWD-GW-MW104-20080609**

Tetra Tech NUS Charge No. **112G00869 / CTO 426**
QC: **MS/MSD** (If applicable)

Sample Method: **Low Stress (flow) with Peristaltic Pump**
Sample Date & Time: **6 / 9 / 2008 1225** hours
Sampler(s): **R. Clark** Data Recorded By: **R. Clark**
Depth Sampled: **8.40 feet btor**
Weather: **Sunny, humid, 90s**
Begin purge 1145

H&S Survey Meter = **0.0 PPM** Pre-Pump Insertion WL = **3.34 ft btor**

Lab Analyses:
1. **VOCs (SW846-8260B) 9 x 40mL VOA vial with HCl, 4° C**
2. **ETPH (CTDEP) 6 x 1 liter amber glass, 4° C**

Clock Time (24hr)	Water Depth (feet below TOR)	Pump Dial[1]	Purge Rate (ml/min)	Cum. Volume Purged (liters)	Temp (°C)	Spec. Cond.[2] (µS/cm)	pH (S.U.)	ORP (mV)	DO (mg/L)	Turbidity (NTU)	Comments
1155	3.40		200	3.0	17.57	120	5.37	200.6	4.31	1.1	
1200	3.40		200	4.0	17.47	110	5.36	199.8	4.40	4.3	
1205	3.41		200	5.0	17.30	107	5.35	204.5	4.41	3.1	
1210	3.40		200	6.0	17.16	106	5.36	204.5	4.43	1.2	
1215	3.40		200	7.0	17.26	106	5.36	205.6	4.41	2.0	

TtNUS Form 0009 (modified)

1. Pump dial setting (for example: hertz, cycle/min, etc.)
2. Siemens per cm (same as umhos/cm) at 25 °C.
3. Oxidation reduction potential (stand in for Eh).

TETRA TECH NUS, INC.

Round 3 - June 2008

SAMPLE LOG SHEET – "LOW FLOW" GROUNDWATER

Site Name: **Arrowwood Housing Sites – 109/113 Arrowwood Drive**
Sample ID: **AWD-GW-MW201-20080610**

Tetra Tech NUS Charge No. **112G00869 / CTO 426**
QC: **NA** (If applicable)

Sample Method: **Low Stress (flow) with Peristaltic Pump**
Sample Date & Time: **6 / 10 / 2008 1050** hours
Sampler(s): **R. Clark** Data Recorded By: **R. Clark**
Depth Sampled: **13.15 feet btor**
Weather: **Sunny, humid, high 90s**

H&S Survey Meter = **0.0 PPM** Pre-Pump Insertion WL = **7.07 ft btor**

Lab Analyses:
1. **VOCs (SW846-8260B) 3 x 40mL VOA vial with HCl, 4° C**
2. **ETPH (CTDEP) 2 x 1 liter amber glass, 4° C**

Clock Time (24hr)	Water Depth (feet below TOR)	Pump Dial[1]	Purge Rate (ml/min)	Cum. Volume Purged (liters)	Temp (°C)	Spec. Cond.[2] (µS/cm)	pH (S.U.)	ORP (mV)	DO (mg/L)	Turbidity (NTU)	Comments
1015	7.10		220	1.0	17.59	297	5.65	213.1	1.47	14	
1020	7.10		220	2.5	17.39	295	5.63	206.7	1.01	5.1	
1025	7.10		220	4.0	17.18	291	5.62	203.0	0.92	4.2	
1030	7.10		220	5.5	17.28	289	5.61	198.0	1.05	1.1	
1035	7.10		220	7.0	17.23	289	5.60	195.0	0.86	1.0	
1040	7.10		220	8.5	17.17	287	5.59	193.0	0.87	1.4	
1045	7.10		220	10.0	17.31	287	5.59	190.7	0.87	1.1	

TtNUS Form 0009 (modified)

1. Pump dial setting (for example: hertz, cycle/min, etc.)
2. Siemens per cm (same as umhos/cm) at 25 °C.
3. Oxidation reduction potential (stand in for Eh).

TETRA TECH NUS, INC.

Round 3 - June 2008

SAMPLE LOG SHEET – "LOW FLOW" GROUNDWATER

Site Name: **Arrowwood Housing Sites – 109/113 Arrowwood Drive**
Sample ID: **AWD-GW-MW202-20080610**

Tetra Tech NUS Charge No. **112G00869 / CTO 426**
QC: **NA** (If applicable)

Sample Method: **Low Stress (flow) with Peristaltic Pump**
Sample Date & Time: **6 / 10 / 2008** **1010** hours
Sampler(s): **P. Seward** Data Recorded By: **P. Seward**
Depth Sampled: **10.50 feet btor**
Weather: **Sunny, 85 degrees F, winds calm**

H&S Survey Meter = **0.0 PPM** Pre-Pump Insertion WL = **5.99 ft btor**

Lab Analyses:
1. **VOCs (SW846-8260B) 3 x 40mL VOA vial with HCl, 4° C**
2. **ETPH (CTDEP) 2 x 1 liter amber glass, 4° C**

Clock Time (24hr)	Water Depth (feet below TOR)	Pump Dial[1]	Purge Rate (ml/min)	Cum. Volume Purged (liters)	Temp (°C)	Spec. Cond.[2] (µS/cm)	pH (S.U.)	ORP (mV)	DO (mg/L)	Turbidity (NTU)	Comments
0925	6.06		120		17.10	475	6.24	5.9	0.98	15	Clear/orange particles
0930	6.07		140	1.0	16.10	481	6.25	8.8	1.12	13	Clear/orange particles
0935	6.07		160	2.0	15.92	485	6.33	8.8	0.66	9.8	Clear/orange particles
0940	6.07		160	3.0	15.72	498	6.34	10.4	0.58	5.9	Clear/colorless
0945	6.10		180	4.0	15.53	503	6.38	9.0	0.85	5.0	Clear/colorless
0950	6.11		180	5.0	15.21	504	6.38	11.2	0.57	4.7	Clear/colorless
0955	6.11		180	6.0	15.11	506	6.40	12.1	0.50	4.0	Clear/colorless
1000	6.11		180	7.0	15.08	510	6.45	12.2	0.48	4.3	Clear/colorless
1005	6.11		180	8.0	15.07	516	6.51	12.4	0.49	4.6	Clear/colorless

TtNUS Form 0009 (modified)

1. Pump dial setting (for example: hertz, cycle/min, etc.)
2. Siemens per cm (same as umhos/cm) at 25 °C.
3. Oxidation reduction potential (stand in for Eh).

TETRA TECH NUS, INC.

Round 3 - June 2008

SAMPLE LOG SHEET – "LOW FLOW" GROUNDWATER

Site Name: **Arrowwood Housing Sites – 122/124 Arrowwood Drive**
Sample ID: **AWD-GW-MW301-20080611**

Tetra Tech NUS Charge No. **112G00869 / CTO 426**
QC: **NA** (If applicable)

Sample Method: **Low Stress (flow) with Peristaltic Pump**
Sample Date & Time: **6 / 11 / 2008** **1030** hours
Sampler(s): **P. Seward** Data Recorded By: **P. Seward**
Depth Sampled: **10.70 feet btor**
Weather: **Sunny, 85 degrees F, winds 5-7 mph**

H&S Survey Meter = **0.0 PPM** Pre-Pump Insertion WL = **8.40 ft btor**

Lab Analyses:
1. **VOCs (SW846-8260B) 3 x 40mL VOA vial with HCl, 4° C**
2. **ETPH (CTDEP) 2 x 1 liter amber glass, 4° C**

Clock Time (24hr)	Water Depth (feet below TOR)	Pump Dial[1]	Purge Rate (ml/min)	Cum. Volume Purged (liters)	Temp (°C)	Spec. Cond.[2] (µS/cm)	pH (S.U.)	ORP (mV)	DO (mg/L)	Turbidity (NTU)	Comments
0950	8.56		140		16.48	496	6.83	174.9	5.28	7.4	Clear/colorless
0955	8.60		140		14.22	472	8.63	69.9	0.37	7.0	Clear/colorless
1000	8.61		140	1.5	14.01	468	8.42	-13.8	0.33	3.3	Clear/colorless
1005	8.57		140		14.05	463	7.62	-5.9	0.45	2.0	Clear/colorless
1010	8.60		140	3.0	13.89	462	7.09	7.0	0.34	0.0	Clear/colorless
1015	8.60		140		13.84	461	6.95	15.9	0.30	0.0	Clear/colorless
1020	8.61		140	4.5	13.82	460	6.91	16.4	0.27	0.0	Clear/colorless
1025	8.61		140	5.0	13.78	460	6.99	-11.8	0.28	0.0	Clear/colorless

TtNUS Form 0009 (modified)

1. Pump dial setting (for example: hertz, cycle/min, etc.)
2. Siemens per cm (same as umhos/cm) at 25 °C.
3. Oxidation reduction potential (stand in for Eh).

TETRA TECH NUS, INC.

Round 3 - June 2008

SAMPLE LOG SHEET – "LOW FLOW" GROUNDWATER

Site Name: **Arrowwood Housing Sites – 122/124 Arrowwood Drive**
Sample ID: **AWD-GW-MW302-20080611**

Tetra Tech NUS Charge No. **112G00869 / CTO 426**
QC: **NA** (If applicable)

Sample Method: **Low Stress (flow) with Peristaltic Pump**
Sample Date & Time: **6 / 11 / 2008** **1215** hours
Sampler(s): **R. Clark** Data Recorded By: **R. Clark**
Depth Sampled: **7.50 feet btor**
Weather: **Sunny, windy, 80s**

H&S Survey Meter = **0.0 PPM** Pre-Pump Insertion WL = **4.85 ft btor**

Lab Analyses:
1. **VOCs (SW846-8260B) 3 x 40mL VOA vial with HCl, 4° C**
2. **ETPH (CTDEP) 2 x 1 liter amber glass, 4° C**

Clock Time (24hr)	Water Depth (feet below TOR)	Pump Dial[1]	Purge Rate (ml/min)	Cum. Volume Purged (liters)	Temp (°C)	Spec. Cond.[2] (µS/cm)	pH (S.U.)	ORP (mV)	DO (mg/L)	Turbidity (NTU)	Comments
1115	4.97		200	1.0	16.50	201	6.72	-79.4	0.82	18	
1120	4.95		200	2.0	16.46	205	6.73	-83.5	0.62	15	
1125	4.96		200	3.0	16.36	211	6.71	-80.9	0.53	15	
1130	4.95		200	4.0	16.44	225	6.62	-74.4	0.54	17	
1135	4.95		200	5.0	16.30	245	6.50	-64.7	0.44	17	
1140	4.95		200	6.0	16.33	263	6.40	-57.5	0.43	15	
1145	4.95		200	7.0	16.35	279	6.31	-50.5	0.42	15	
1150	4.95		200	8.0	16.35	294	6.22	-44.9	0.42	17	
1155	4.95		200	9.0	16.34	305	6.16	-41.1	0.43	17	
1200	4.95		200	10.0	16.22	313	6.12	-38.0	0.43	17	
1205	4.95		200	11.0	16.24	316	6.10	-36.5	0.43	16	

TtNUS Form 0009 (modified)

1. Pump dial setting (for example: hertz, cycle/min, etc.)
2. Siemens per cm (same as umhos/cm) at 25 °C.
3. Oxidation reduction potential (stand in for Eh).

TETRA TECH NUS, INC.

Round 3 - June 2008

SAMPLE LOG SHEET – "LOW FLOW" GROUNDWATER

Site Name: **Arrowwood Housing Sites – 122/124 Arrowwood Drive**
Sample ID: **AWD-GW-MW303-20080611**

Tetra Tech NUS Charge No. **112G00869 / CTO 426**
QC: **NA** (If applicable)

Sample Method: **Low Stress (flow) with Peristaltic Pump**
Sample Date & Time: **6 / 11 / 2008** **1050** hours
Sampler(s): **R. Clark** Data Recorded By: **R. Clark**
Depth Sampled: **9.22 feet btor**
Weather: **Sunny, breezy, 80 degrees F**

H&S Survey Meter = **0.0 PPM** Pre-Pump Insertion WL = **5.41 ft btor**

Lab Analyses:
1. **VOCs (SW846-8260B) 3 x 40mL VOA vial with HCl, 4° C**
2. **ETPH (CTDEP) 2 x 1 liter amber glass, 4° C**

Clock Time (24hr)	Water Depth (feet below TOR)	Pump Dial[1]	Purge Rate (ml/min)	Cum. Volume Purged (liters)	Temp (°C)	Spec. Cond.[2] (µS/cm)	pH (S.U.)	ORP (mV)	DO (mg/L)	Turbidity (NTU)	Comments
1005	5.48		180	1.0	14.83	404	6.12	-98.0	1.81	23	
1010	5.48		180	2.0	14.49	397	6.12	-101.5	1.26	11	
1015	5.48		180	2.5	14.31	395	6.12	-103.3	0.87	6.1	
1020	5.49		180	3.5	14.25	395	6.12	-105.1	0.69	4.2	
1025	5.49		180	4.0	14.29	396	6.12	-106.2	0.60	4.4	
1030	5.48		180	5.0	14.43	398	6.12	-107.0	0.59	3.2	
1035	5.49		180	6.0	14.50	401	6.12	-107.9	0.52	3.3	
1040	5.48		180	7.5	14.57	406	6.12	-109.0	0.47	2.3	
1045	5.48		180	8.5	14.63	407	6.12	-109.4	0.47	2.2	

TtNUS Form 0009 (modified)
1. Pump dial setting (for example: hertz, cycle/min, etc.)
2. Siemens per cm (same as umhos/cm) at 25 °C.
3. Oxidation reduction potential (stand in for Eh).

TETRA TECH NUS, INC.

Round 3 - June 2008

SAMPLE LOG SHEET – "LOW FLOW" GROUNDWATER

Site Name: **Arrowwood Housing Sites – 122/124 Arrowwood Drive**
Sample ID: **AWD-GW-MW304-20080610**

Tetra Tech NUS Charge No. **112G00869 / CTO 426**
QC: **NA** (If applicable)

Sample Method: **Low Stress (flow) with Peristaltic Pump**
Sample Date & Time: **6 / 10 / 2008 1200** hours
Sampler(s): **R. Clark** Data Recorded By: **R. Clark**
Depth Sampled: **12.35 feet btor**
Weather: **Sunny, humid, high 90s**

H&S Survey Meter = **0.0 PPM** Pre-Pump Insertion WL = **5.21 ft btor**

Lab Analyses:
1. **VOCs (SW846-8260B) 3 x 40mL VOA vial with HCl, 4° C**
2. **ETPH (CTDEP) 2 x 1 liter amber glass, 4° C**

Clock Time (24hr)	Water Depth (feet below TOR)	Pump Dial[1]	Purge Rate (ml/min)	Cum. Volume Purged (liters)	Temp (°C)	Spec. Cond.[2] (µS/cm)	pH (S.U.)	ORP (mV)	DO (mg/L)	Turbidity (NTU)	Comments
1115	5.22		225	1.0	17.38	385	5.99	132.6	0.98	14	
1120	5.22		250	3.0	17.07	382	6.00	112.8	0.63	8.2	Clear/colorless
1125	5.22		250	4.5	16.97	379	5.99	105.0	0.51	5.5	Clear/colorless
1130	5.22		250	6.0	16.96	376	5.98	102.1	0.45	3.8	Clear/colorless
1135	5.22		250	7.5	16.93	373	5.98	100.6	0.37	3.4	Clear/colorless
1140	5.22		250	9.0	16.89	371	5.97	96.3	0.33	2.9	Clear/colorless
1145	5.22		250	10.5	16.86	370	5.97	94.6	0.31	1.2	Clear/colorless
1150	5.23		250	12.0	16.90	369	5.97	92.5	0.31	1.5	Clear/colorless
1155	5.22		250	13.5	16.97	369	5.97	92.5	0.30	1.3	Clear/colorless

TtNUS Form 0009 (modified)
1. Pump dial setting (for example: hertz, cycle/min, etc.)
2. Siemens per cm (same as umhos/cm) at 25 °C.
3. Oxidation reduction potential (stand in for Eh).

TETRA TECH NUS, INC.

Round 3 - June 2008

SAMPLE LOG SHEET – "LOW FLOW" GROUNDWATER

Site Name: **Arrowwood Housing Sites – 122/124 Arrowwood Drive**
Sample ID: **AWD-GW-MW305-20080610**

Tetra Tech NUS Charge No. **112G00869 / CTO 426**
QC: **NA** (If applicable)

Sample Method: **Low Stress (flow) with Peristaltic Pump**
Sample Date & Time: **6 / 10 / 2008 1340** hours
Sampler(s): **R. Clark** Data Recorded By: **R. Clark**
Depth Sampled: **8.30 feet btor**
Weather: **Sunny, humid, high 90s**

H&S Survey Meter = **0.0 PPM** Pre-Pump Insertion WL = **3.53 ft btor**

Lab Analyses:
1. **VOCs (SW846-8260B) 3 x 40mL VOA vial with HCl, 4° C**
2. **ETPH (CTDEP) 2 x 1 liter amber glass, 4° C**

Clock Time (24hr)	Water Depth (feet below TOR)	Pump Dial[1]	Purge Rate (ml/min)	Cum. Volume Purged (liters)	Temp (°C)	Spec. Cond.[2] (µS/cm)	pH (S.U.)	ORP (mV)	DO (mg/L)	Turbidity (NTU)	Comments
1220	3.98		200	1	17.10	384	5.93	176.8	1.10	55	
1225	3.95		200	2	16.80	383	5.92	171.5	0.72	75	
1230	3.96		200	3	16.76	382	5.91	166.2	0.59	60	
1235	3.98		200	4	16.68	380	5.91	163.6	0.51	55	
1245	3.95		200	6	16.71	378	5.90	159.0	0.44	40	
1255	3.95		200	7.5	16.54	377	5.90	156.5	0.41	32	
1305	3.95		200	9	16.69	375	5.89	154.5	0.42	22	
1315	3.95		200	12	16.95	376	5.89	153.2	0.39	15	
1325	3.95		200	13	16.78	372	5.88	152.4	0.37	10	
1330	3.95		200	14	16.72	371	5.88	151.3	0.34	8.5	
1335	3.95		200	15	16.57	370	5.88	150.0	0.37	8.5	

TtNUS Form 0009 (modified)
1. Pump dial setting (for example: hertz, cycle/min, etc.)
2. Siemens per cm (same as umhos/cm) at 25 °C.
3. Oxidation reduction potential (stand in for Eh).

TETRA TECH NUS, INC.

Round 3 - June 2008

SAMPLE LOG SHEET – "LOW FLOW" GROUNDWATER

Site Name: **Arrowwood Housing Sites – 191/195 Arrowwood Drive**
Sample ID: **AWD-GW-MW401-20080611**

Tetra Tech NUS Charge No. **112G00869 / CTO 426**
QC: **AWD-GW-DUP02** (If applicable)

Sample Method: **Low Stress (flow) with Peristaltic Pump**
Sample Date & Time: **6 / 11 / 2008** **0930** hours Dup Time: **0935**
Sampler(s): **R. Clark** Data Recorded By: **R. Clark**
Depth Sampled: **9.70 feet btor**
Weather: **Sunny, breezy, 70s**

H&S Survey Meter = **0.0 PPM** Pre-Pump Insertion WL = **6.95 ft btor**

Lab Analyses:
1. **VOCs (SW846-8260B) 3 x 40mL VOA vial with HCl, 4° C**
2. **ETPH (CTDEP) 2 x 1 liter amber glass, 4° C**

Clock Time (24hr)	Water Depth (feet below TOR)	Pump Dial[1]	Purge Rate (ml/min)	Cum. Volume Purged (liters)	Temp (°C)	Spec. Cond.[2] (µS/cm)	pH (S.U.)	ORP (mV)	DO (mg/L)	Turbidity (NTU)	Comments
0850	7.25		220	1.0	14.20	318	5.64	176.8	2.48	7.3	
0855	7.27		220	2.0	13.89	322	5.56	172.2	2.51	3.9	
0900	7.20		200	3.0	14.00	324	5.57	163.2	2.51	2.5	
0905	7.20		200	4.0	13.92	322	5.57	158.1	2.55	2.4	
0910	7.22		200	5.0	13.92	322	5.57	157.9	2.53	1.5	
0915	7.20		200	6.0	14.06	323	5.57	158.8	2.58	0.95	
0920	7.20		200	7.0	14.05	322	5.57	157.6	2.60	0.80	
0925	7.20		200	8.0	14.05	322	5.57	156.6	2.60	0.60	

TtNUS Form 0009 (modified)
1. Pump dial setting (for example: hertz, cycle/min, etc.)
2. Siemens per cm (same as umhos/cm) at 25 °C.
3. Oxidation reduction potential (stand in for Eh).

TETRA TECH NUS, INC.

Round 3 - June 2008

SAMPLE LOG SHEET – "LOW FLOW" GROUNDWATER

Site Name: **Arrowwood Housing Sites – 191/195 Arrowwood Drive**
Sample ID: **AWD-GW-MW402-20080609**

Tetra Tech NUS Charge No. **112G00869 / CTO 426**
QC: **NA** (If applicable)

Sample Method: **Low Stress (flow) with Peristaltic Pump**
Sample Date & Time: **6 / 9 / 2008 1645** hours
Sampler(s): **P. Seward** Data Recorded By: **P. Seward**
Depth Sampled: **10.86 feet btor**
Weather: **Sunny, 94 degrees F, winds 2-3 mph**

H&S Survey Meter = **0.0 PPM** Pre-Pump Insertion WL = **6.71 ft btor**

Lab Analyses:
1. **VOCs (SW846-8260B) 3 x 40mL VOA vial with HCl, 4° C**
2. **ETPH (CTDEP) 2 x 1 liter amber glass, 4° C**

Clock Time (24hr)	Water Depth (feet below TOR)	Pump Dial[1]	Purge Rate (ml/min)	Cum. Volume Purged (liters)	Temp (°C)	Spec. Cond.[2] (µS/cm)	pH (S.U.)	ORP (mV)	DO (mg/L)	Turbidity (NTU)	Comments
1555	7.28		120		16.70	403	6.74	-96.9	0.42	25	Clear/colorless
1600	7.31		120	1.5	16.29	404	6.67	-101.7	0.54	45	light tan
1605	7.31		140		16.84	405	6.67	-109.0	0.31	45	light tan
1610	7.31		140	3.0	15.23	409	6.71	-115.3	0.32	45	light tan
1615	7.33		140		15.10	418	6.72	-117.1	0.32	50	light tan
1620	7.33		140	4.5	15.03	459	6.67	-92.8	0.56	65	light tan
1625	7.35		140		15.01	472	6.65	-82.8	0.81	45	light tan
1630	7.35		140	6.0	15.00	478	6.67	-75.6	0.77	50	light tan
1635	7.35		140		14.97	479	6.68	-70.0	0.84	50	light tan
1640	7.35		140	7.5	14.95	479	6.71	-66.7	0.88	50	light tan

TtNUS Form 0009 (modified)
1. Pump dial setting (for example: hertz, cycle/min, etc.)
2. Siemens per cm (same as umhos/cm) at 25 °C.
3. Oxidation reduction potential (stand in for Eh).

TETRA TECH NUS, INC.

Round 3 - June 2008

SAMPLE LOG SHEET – "LOW FLOW" GROUNDWATER

Site Name: **Arrowwood Housing Sites – 191/195 Arrowwood Drive**
Sample ID: **AWD-GW-MW403-20080609**

Tetra Tech NUS Charge No. **112G00869 / CTO 426**
QC: **NA** (If applicable)

Sample Method: **Low Stress (flow) with Peristaltic Pump**
Sample Date & Time: **6 / 9 / 2008 1450** hours
Sampler(s): **P. Seward** Data Recorded By: **P. Seward**
Depth Sampled: **9.01 feet btor**
Weather: **Sunny, 93 degrees F, winds 2-3 mph**
Begin purge 1355

H&S Survey Meter = **0.0 PPM** Pre-Pump Insertion WL = **6.02 ft btor**

Lab Analyses:
1. **VOCs (SW846-8260B) 3 x 40mL VOA vial with HCl, 4° C**
2. **ETPH (CTDEP) 2 x 1 liter amber glass, 4° C**

Clock Time (24hr)	Water Depth (feet below TOR)	Pump Dial[1]	Purge Rate (ml/min)	Cum. Volume Purged (liters)	Temp (°C)	Spec. Cond.[2] (µS/cm)	pH (S.U.)	ORP (mV)	DO (mg/L)	Turbidity (NTU)	Comments
1400	6.30		160	1.0	16.25	132	7.24	47.4	0.42	19	Tan
1405	6.49		180	2.0	15.88	140	7.52	30.2	0.39	7.8	Clear/colorless
1410	6.65		120		16.54	160	7.55	-12.3	0.40	5.0	Clear/colorless
1415	6.70		120	3.0	16.77	166	7.33	-27.7	0.39	4.6	Clear/colorless
1420	6.80		120		16.61	170	7.21	-44.0	0.39	4.0	Clear/colorless
1425	6.89		120	4.0	16.42	175	7.22	-55.3	0.38	3.1	Clear/colorless
1430	6.99		120		16.33	180	7.23	-66.2	0.35	2.0	Clear/colorless
1435	7.06		120	5.0	16.24	186	7.21	-71.3	0.37	2.2	Clear/colorless
1440	7.10		120		16.17	191	7.17	-71.7	0.35	2.0	Clear/colorless
1445	7.14		120	6.0	16.22	195	7.22	-71.0	0.34	1.9	Clear/colorless

TtNUS Form 0009 (modified)
1. Pump dial setting (for example: hertz, cycle/min, etc.)
2. Siemens per cm (same as umhos/cm) at 25 °C.
3. Oxidation reduction potential (stand in for Eh).

TETRA TECH NUS, INC.

Round 3 – June 2008

SAMPLE LOG SHEET – "LOW FLOW" GROUNDWATER

Site Name: **Arrowwood Housing Sites – 191/195 Arrowwood Drive**
Sample ID: **AWD-GW-MW404-20080609**

Tetra Tech NUS Charge No. **112G00869 / CTO 426**
QC: **NA** (If applicable)

Sample Method: **Low Stress (flow) with Peristaltic Pump**
Sample Date & Time: **6 / 9 / 2008 1305** hours
Sampler(s): **P. Seward** Data Recorded By: **P. Seward**
Depth Sampled: **10.78 feet btor**
Weather: **Sunny, 93 degrees F, light winds**

H&S Survey Meter = **0.0 PPM** Pre-Pump Insertion WL = **5.55 ft btor**

Lab Analyses:
1. **VOCs (SW846-8260B) 3 x 40mL VOA vial with HCl, 4° C**
2. **ETPH (CTDEP) 2 x 1 liter amber glass, 4° C**

Clock Time (24hr)	Water Depth (feet below TOR)	Pump Dial[1]	Purge Rate (ml/min)	Cum. Volume Purged (liters)	Temp (°C)	Spec. Cond.[2] (µS/cm)	pH (S.U.)	ORP (mV)	DO (mg/L)	Turbidity (NTU)	Comments
1210	5.89		160		17.39	240	6.85	121.5	20.9	120	Tan/cloudy
1215	5.96		160	1.5	15.46	217	6.99	81.5	0.92	160	Tan/cloudy
1220	5.95		160		15.13	225	7.01	64.1	0.78	200	Tan/cloudy
1225	5.95		160	3.0	14.98	226	7.02	57.6	0.72	130	Tan/cloudy
1230	5.95		160		14.56	226	6.99	55.8	0.70	120	Tan/cloudy
1235	5.96		170	4.5	14.33	227	6.91	54.7	0.62	110	Tan/cloudy
1240	5.96		180		13.98	233	6.85	23.0	0.54	100	Tan/cloudy
1245	5.98		180	6.5	13.74	347	7.12	-114.3	0.30	190	Tan/cloudy
1250	5.98		180		13.82	353	7.45	-112.8	0.28	180	Tan/cloudy
1255	6.02		180	8.0	13.76	345	7.52	-107.4	0.23	180	Tan/cloudy
1300	6.03		180	9.0	13.70	348	7.49	-104.7	0.20	170	Tan/cloudy

TtNUS Form 0009 (modified)

1. Pump dial setting (for example: hertz, cycle/min, etc.)
2. Siemens per cm (same as umhos/cm) at 25 °C.
3. Oxidation reduction potential (stand in for Eh).

TETRA TECH NUS, INC.

Round 3 - June 2008

SAMPLE LOG SHEET – "LOW FLOW" GROUNDWATER

Site Name: **Arrowwood Housing Sites – 122/124 Arrowwood Drive**
Sample ID: **AWD-GW-MW14-20080610**

Tetra Tech NUS Charge No. **112G00869 / CTO 426**
QC: **NA** (If applicable)

Sample Method: **Low Stress (flow) with Peristaltic Pump**
Sample Date & Time: **6 / 10 / 2008** **1155** hours
Sampler(s): **P. Seward** Data Recorded By: **P. Seward**
Depth Sampled: **9.38 feet btor**
Weather: **Sunny, 90 degrees F, winds calm**
Begin purge 1115

H&S Survey Meter = **0.0 PPM** Pre-Pump Insertion WL = **3.75 ft btor**

Lab Analyses:
1. **VOCs (SW846-8260B) 3 x 40mL VOA vial with HCl, 4° C**
2. **ETPH (CTDEP) 2 x 1 liter amber glass, 4° C**

Clock Time (24hr)	Water Depth (feet below TOR)	Pump Dial[1]	Purge Rate (ml/min)	Cum. Volume Purged (liters)	Temp (°C)	Spec. Cond.[2] (µS/cm)	pH (S.U.)	ORP (mV)	DO (mg/L)	Turbidity (NTU)	Comments
1120	3.77		220	2.0	13.91	397	6.49	102.6	0.59	14	Clear/colorless
1125	3.77		220	3.0	12.78	396	6.58	106.5	0.44	7.0	Clear/colorless
1130	3.77		220	4.0	12.50	395	6.63	105.6	0.43	2.8	Clear/colorless
1135	3.77		220	5.0	12.33	394	6.65	103.6	0.38	2.7	Clear/colorless
1140	3.77		220	6.0	12.23	390	6.65	106.1	0.41	0.95	Clear/colorless
1145	3.77		220	7.0	12.18	384	6.62	108.7	0.38	0.00	Clear/colorless

TtNUS Form 0009 (modified)

1. Pump dial setting (for example: hertz, cycle/min, etc.)
2. Siemens per cm (same as umhos/cm) at 25 °C.
3. Oxidation reduction potential (stand in for Eh).

TETRA TECH NUS, INC.

SURFACE WATER SAMPLE LOG SHEET

Site Name:	Arrowwood Housing Sites	**Date:**	6/10/2008 – 6/11/2008
Location:	NSB New London, Groton, CT	**Sampler:**	P. Seward
Sample ID:	PZ-203A	**PID:**	0.0
Depth to Water:	0.81'		
Total Depth:	3.41'		
Water Column:	2.6'		
Purge Start:	See below		
Volume Purged:	See below		

Field Equipment

Make	Model
Geopump	Peristaltic
YSI	
Lamotte	Turbidimeter

Water Quality Information (not purged to stabilization)

Time	Temp (ºC)	pH	SPC (µS/cm)	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Salinity (ppth)	Other
6/10/2008 1035	16.44	7.03	201	8.66	-38.4	50	NA	

Groundwater Sampling Information

Time	Sample ID	Container	Volume	Preservative	Analysis
6/10/08 1630	AWD-SW-PZ203A-20080610	40 mL vial	3 x 40 mL	HCl	VOC
6/10/08 1630	AWD-SW-PZ203A-20080610	1 liter amber	~300 mL	---	CT ETPH
6/11/08 1145	AWD-SW-PZ203A-20080611	1 liter amber	1 x 1 liter	---	CT ETPH

Quality Control Sample Information

Duplicate Sample ID: NA **Duplicate Sample Time:** NA **MS/MSD?** Y / **N**

OBSERVATIONS/NOTES:

6/10/08: 835 initial purge, evacuated piezometer, ~1500 mL; 1035 second purge, collected water quality readings, ~200 mL purged; 1630 collected VOC portion of sample only, will collect rest of sample on 6/1//08

6/11/08: 0910 evacuated well, ~1 gal., observed flowing water in wetland for ~15 min., when flowing water dissipated, the well was able to be purged dry; 1145 began CT ETPH sample collection, filled 1- 1L amber, ~ 2/3 full will wait for recharge; 1300 filled the 1L bottle, completed sample collection

TETRA TECH NUS, INC.

SURFACE WATER SAMPLE LOG SHEET

Site Name:	Arrowwood Housing Sites	**Date:**	6/10/2008 – 6/11/2008
Location:	NSB New London, Groton, CT	**Sampler:**	P. Seward
Sample ID:	SW01	**PID:**	0.0
Depth to Water:	2.94’		
Total Depth:	5.00’		
Water Column:	2.06		
Purge Start:	See below		
Volume Purged:	See below		

Field Equipment

Make	Model
Geopump	Peristaltic
YSI	
Lamotte	Turbidimeter 2020

Water Quality Information (not purged to stabilization)

Time	Temp (ºC)	pH	SPC (µS/cm)	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Salinity (ppth)	Other
6/10/08	16.82	6.24	382	3.84	-27.7	150	NA	

Groundwater Sampling Information

Time	Sample ID	Container	Volume	Preservative	Analysis
6/10/08 1610	AWD-SW-SW1-20080610	1 liter amber	2 x 1 liter	---	CT ETPH
6/11/08 1115	AWD-SW-SW1-20080611	40 mL vial	6 x 40 mL	HCl	VOC

Quality Control Sample Information

Duplicate Sample ID:
AWD-SW-DUP1-20080610,
AWD-SW-DUP1-20080611

Duplicate Sample Time:
1610
1115

MS/MSD? Y / **N**

OBSERVATIONS/NOTES:

6/10/08: 1245 initiated purge at lowest flow setting, ~140 mL; 1248 piezometer was completely evacuated, 1350 pulled ~250 mL from piezometer to collect water quality readings; could not collect VOAs due to the presence of bubbles in purge water

6/11/08: 0900 evacuated piezometer, ~570 mL, initial water level 2.98’; 1115 sample collection, initial water level 3.00’

TETRA TECH NUS, INC.

Round 4 - September 2008

SAMPLE LOG SHEET – "LOW FLOW" GROUNDWATER

Site Name: **Arrowwood Housing Sites – 47/49 Arrowwood Drive**
Sample ID: **AWD-GW-MW101-20080910**

Tetra Tech NUS Charge No. **112G00869 / CTO 426**
QC: **NA** (If applicable)

Sample Method: **Low Stress (flow) with Peristaltic Pump**
Sample Date & Time: **9 / 10 / 2008 1015** hours
Sampler(s): **R. Clark** Data Recorded By: **R. Clark**
Depth Sampled: **17.32 feet btor**
Weather: **Sunny, 60 degrees F, windy**

H&S Survey Meter = **0.0 PPM** Pre-Pump Insertion WL = **13.06 ft btor**

Lab Analyses:
1. **VOCs (SW846-8260B) 3 x 40mL VOA vial with HCl, 4° C**
2. **ETPH (CTDEP) 2 x 1 liter amber glass, 4° C**

Clock Time (24hr)	Water Depth (feet below TOR)	Pump Dial[1]	Purge Rate (ml/min)	Cum. Volume Purged (liters)	Temp (°C)	Spec. Cond.[2] (µS/cm)	pH (S.U.)	ORP (mV)	DO (mg/L)	Turbidity (NTU)	Comments
0940	13.07		150	1	17.93	337	5.35	318.2	2.15	80	
0950	13.07		150	2	17.87	338	5.35	339.4	2.01	9.5	
0955	13.07		150	4	17.88	334	5.36	347.2	1.90	3.4	
1000	13.07		150	5	17.90	329	5.36	352.7	1.90	2.2	
1005	13.07		150	6	17.87	321	5.36	360.4	1.83	1.6	

TtNUS Form 0009 (modified)

1. Pump dial setting (for example: hertz, cycle/min, etc.)
2. Siemens per cm (same as umhos/cm) at 25 °C.
3. Oxidation reduction potential (stand in for Eh).

TETRA TECH NUS, INC.

Round 4 - September 2008

SAMPLE LOG SHEET – "LOW FLOW" GROUNDWATER

Site Name: **Arrowwood Housing Sites – 47/49 Arrowwood Drive**
Sample ID: **AWD-GW-MW102-20080910**

Tetra Tech NUS Charge No. **112G00869 / CTO 426**
QC: **AWD-GW-DUP02** (If applicable)

Sample Method: **Low Stress (flow) with Peristaltic Pump**
Sample Date & Time: **9 / 10 / 2008** **1130** hours Dup Time: **1135**
Sampler(s): **R. Clark** Data Recorded By: **R. Clark**
Depth Sampled: **14.50 feet btor**
Weather: **Sunny, 70 degrees F, windy**

H&S Survey Meter = **0.0 PPM** Pre-Pump Insertion WL = **12.41 ft btor**

Lab Analyses:
1. **VOCs (SW846-8260B) 6 x 40mL VOA vial with HCl, 4° C**
2. **ETPH (CTDEP) 4 x 1 liter amber glass, 4° C**

Clock Time (24hr)	Water Depth (feet below TOR)	Pump Dial[1]	Purge Rate (ml/min)	Cum. Volume Purged (liters)	Temp (°C)	Spec. Cond.[2] (µS/cm)	pH (S.U.)	ORP (mV)	DO (mg/L)	Turbidity (NTU)	Comments
1050	12.52		200	1.0	17.22	242	5.61	120.9	0.90	85	
1100	12.52		200	3.0	16.45	250	5.52	122.8	0.59	27	Tan/cloudy
1110	12.52		200	5.0	16.34	252	5.53	123.0	0.52	10	Light tan
1115	12.52		200	6.0	16.28	249	5.52	124.2	0.52	6.8	Light tan
1120	12.52		200	7.0	16.31	248	5.51	125.2	0.49	5.1	Clear
1125	12.52		200	8.0	16.28	248	5.53	126.4	0.48	3.6	Clear

TtNUS Form 0009 (modified)

1. Pump dial setting (for example: hertz, cycle/min, etc.)
2. Siemens per cm (same as umhos/cm) at 25 °C.
3. Oxidation reduction potential (stand in for Eh).

TETRA TECH NUS, INC.

Round 4 - September 2008

SAMPLE LOG SHEET – "LOW FLOW" GROUNDWATER

Site Name: **Arrowwood Housing Sites – 47/49 Arrowwood Drive**
Sample ID: **AWD-GW-MW103-20080910**

Tetra Tech NUS Charge No. **112G00869 / CTO 426**
QC: **NA** (If applicable)

Sample Method: **Low Stress (flow) with Peristaltic Pump**
Sample Date & Time: **9 / 10 / 2008 1800** hours
Sampler(s): **R. Clark** Data Recorded By: **R. Clark**
Depth Sampled: **14.90 feet btor**
Weather: **Sunny, 70 degrees F**

H&S Survey Meter = **0.0 PPM** Pre-Pump Insertion WL = **10.88 ft btor**

Lab Analyses:
1. **VOCs (SW846-8260B) 3 x 40mL VOA vial with HCl, 4° C**
2. **ETPH (CTDEP) 2 x 1 liter amber glass, 4° C**

Clock Time (24hr)	Water Depth (feet below TOR)	Pump Dial[1]	Purge Rate (ml/min)	Cum. Volume Purged (liters)	Temp (°C)	Spec. Cond.[2] (µS/cm)	pH (S.U.)	ORP (mV)	DO (mg/L)	Turbidity (NTU)	Comments
1655	10.92		250	1.0	17.51	319	5.24	365.8	1,03	3.5	
1705	10.91		250	3.0	17.48	318	5.19	386.1	1.74	13	
1710	10.91		250	4.0	17.50	319	5.17	393.9	1.84	14	
1715	10.91		250	5.0	17.36	318	5.19	398.0	1.89	4.5	
1720	10.92		250	6.0	17.39	318	5.18	401.2	2.19	7.2	
1725	10.91		250	7.0	17.64	318	5.17	403.8	2.08	12	
1730	10.91		250	8.0	17.63	318	5.18	406.2	2.01	8.6	
1735	10.91		250	9.0	17.59	318	5.18	407.9	2.00	4.4	
1740	10.91		250	10.0	17.53	318	5.18	409.7	2.01	3.9	
1745	10.91		250	11.0	17.51	318	5.19	410.4	1.97	3.0	

TtNUS Form 0009 (modified)

1. Pump dial setting (for example: hertz, cycle/min, etc.)
2. Siemens per cm (same as umhos/cm) at 25 °C.
3. Oxidation reduction potential (stand in for Eh).

TETRA TECH NUS, INC.

Round 4 - September 2008

SAMPLE LOG SHEET – "LOW FLOW" GROUNDWATER

Site Name: **Arrowwood Housing Sites – 47/49 Arrowwood Drive**
Sample ID: **AWD-GW-MW104-20080910**

Tetra Tech NUS Charge No. **112G00869 / CTO 426**
QC: **NA** (If applicable)

Sample Method: **Low Stress (flow) with Peristaltic Pump**
Sample Date & Time: **9 / 10 / 2008** **1630** hours
Sampler(s): **R. Clark** Data Recorded By: **R. Clark**
Depth Sampled: **6.00 feet btor**
Weather: **Sunny, 70 degrees F**

H&S Survey Meter = **0.0 PPM** Pre-Pump Insertion WL = **3.45 ft btor**

Lab Analyses:
1. **VOCs (SW846-8260B) 3 x 40mL VOA vial with HCl, 4° C**
2. **ETPH (CTDEP) 2 x 1 liter amber glass, 4° C**

Clock Time (24hr)	Water Depth (feet below TOR)	Pump Dial[1]	Purge Rate (ml/min)	Cum. Volume Purged (liters)	Temp (°C)	Spec. Cond.[2] (µS/cm)	pH (S.U.)	ORP (mV)	DO (mg/L)	Turbidity (NTU)	Comments
1555	3.51		250		19.94	138	5.07	310.6	1.85	4.2	
1600	3.51		250	2.5	19.86	138	5.03	313.7	1.06	2.0	
1605	3.51		250		19.72	139	5.02	319.7	0.83	2.3	
1610	3.51		250	5.0	19.45	139	5.01	326.0	0.74	2.0	
1615	3.51		250		19.36	139	5.01	333.0	0.68	2.1	
1620	3.51		250	7.5	19.33	139	5.01	338.6	0.68	2.3	
1625	3.51		250	8	19.32	139	5.01	347.6	0.64	2.0	

TtNUS Form 0009 (modified)

1. Pump dial setting (for example: hertz, cycle/min, etc.)
2. Siemens per cm (same as umhos/cm) at 25 °C.
3. Oxidation reduction potential (stand in for Eh).

TETRA TECH NUS, INC.

Round 4 – September 2008

SAMPLE LOG SHEET – "LOW FLOW" GROUNDWATER

Site Name: **Arrowwood Housing Sites – 109/113 Arrowwood Drive**
Sample ID: **AWD-GW-MW201-20080908**

Tetra Tech NUS Charge No. **112G00869 / CTO 426** Page 1 of 1
QC: **AWD-GW-DUP01** (If applicable)

Sample Method: **Low Stress (flow) with Peristaltic Pump**
Sample Date & Time: **9 / 8 / 2008** **1645** hours Dup Time: **1650**
Sampler(s): **R. Clark** Data Recorded By: **R. Clark**
Depth Sampled: **10.30 feet btor**
Weather: **Sunny, 80 degrees F, windy**

H&S Survey Meter = **0.0 PPM** Pre-Pump Insertion WL = **7.30 ft btor**

Lab Analyses:
1. **VOCs (SW846-8260B) 6 x 40mL VOA vial with HCl, 4° C**
2. **ETPH (CTDEP) 4 x 1 liter amber glass, 4° C**

Clock Time (24hr)	Water Depth (feet below TOR)	Pump Dial[1]	Purge Rate (ml/min)	Cum. Volume Purged (liters)	Temp (°C)	Spec. Cond.[2] (µS/cm)	pH (S.U.)	ORP (mV)	DO (mg/L)	Turbidity (NTU)	Comments
1610	7.33		250		21.46	337	5.43	236.1	0.79	14	
1615	7.34		250	2.5	20.98	335	5.37	260.7	0.70	9.7	
1620	7.33		250		20.89	335	5.35	276.0	0.60	7.0	
1625	7.34		250	5.0	20.78	335	5.34	285.0	0.52	6.9	
1630	7.33		250		20.72	335	5.35	292.0	0.50	6.6	
1635	7.33		250	8.0	20.70	335	5.36	297.0	0.48	4.2	

TtNUS Form 0009 (modified)

1. Pump dial setting (for example: hertz, cycle/min, etc.)
2. Siemens per cm (same as umhos/cm) at 25 °C.
3. Oxidation reduction potential (stand in for Eh).

TETRA TECH NUS, INC.

Round 4 - September 2008

SAMPLE LOG SHEET – "LOW FLOW" GROUNDWATER

Site Name: **Arrowwood Housing Sites – 109/113 Arrowwood Drive**
Sample ID: **AWD-GW-MW202-20080908**

Tetra Tech NUS Charge No. **112G00869 / CTO 426**
QC: **NA** (If applicable)

Sample Method: **Low Stress (flow) with Peristaltic Pump**
Sample Date & Time: **9 / 8 / 2008 1650** hours
Sampler(s): **P. Seward** Data Recorded By: **P. Seward**
Depth Sampled: **10.57 feet btor**
Weather: **Rain showers, 40s**

H&S Survey Meter = **0.0 PPM** Pre-Pump Insertion WL = **6.15 ft btor**

Lab Analyses:
1. **VOCs (SW846-8260B) 3 x 40mL VOA vial with HCl, 4° C**
2. **ETPH (CTDEP) 2 x 1 liter amber glass, 4° C**

Clock Time (24hr)	Water Depth (feet below TOR)	Pump Dial[1]	Purge Rate (ml/min)	Cum. Volume Purged (liters)	Temp (°C)	Spec. Cond.[2] (µS/cm)	pH (S.U.)	ORP (mV)	DO (mg/L)	Turbidity (NTU)	Comments
1600	6.25		180	1.0	20.74	225	5.95	33.7	0.88	50	Clear/orange particles
1610	6.26		190	2.0	17.99	207	5.97	21.7	0.39	50	Clear/orange particles
1615	6.30		240		17.78	207	5.96	24.9	0.31	27	Clear/orange particles
1620	6.30		240	4.5	17.95	232	5.96	24.2	0.28	18	Clear/orange particles
1625	6.30		240		17.86	253	5.98	17.3	0.28	10	Clear/orange particles
1630	6.30		240	7.0	17.85	262	5.98	12.5	0.28	6.5	Clear/orange particles
1635	6.30		240		17.85	276	6.01	0.3	0.28	3.5	Clear/orange particles
1640	6.30		240	9.5	17.88	278	6.02	-1.0	0.28	3.2	Clear/orange particles
1645	6.30		240	10.0	17.87	281	6.03	-2.2	0.28	2.1	Clear/orange particles

TtNUS Form 0009 (modified)

1. Pump dial setting (for example: hertz, cycle/min, etc.)
2. Siemens per cm (same as umhos/cm) at 25 °C.
3. Oxidation reduction potential (stand in for Eh).

TETRA TECH NUS, INC.

Round 4 - September 2008

SAMPLE LOG SHEET – "LOW FLOW" GROUNDWATER

Site Name: **Arrowwood Housing Sites – 122/124 Arrowwood Drive**
Sample ID: **AWD-GW-MW301-20080909**

Tetra Tech NUS Charge No. **112G00869 / CTO 426**
QC: **NA** (If applicable)

Sample Method: **Low Stress (flow) with Peristaltic Pump**
Sample Date & Time: **9 / 9 / 2008 0945** hours
Sampler(s): **R. Clark** Data Recorded By: **R. Clark**
Depth Sampled: **11.00 feet btor**
Weather: **Cloudy, muggy, 60s**

H&S Survey Meter = **0.0 PPM** Pre-Pump Insertion WL = **9.53 ft btor**

Lab Analyses:
1. **VOCs (SW846-8260B) 3 x 40mL VOA vial with HCl, 4° C**
2. **ETPH (CTDEP) 2 x 1 liter amber glass, 4° C**

Clock Time (24hr)	Water Depth (feet below TOR)	Pump Dial[1]	Purge Rate (ml/min)	Cum. Volume Purged (liters)	Temp (°C)	Spec. Cond.[2] (µS/cm)	pH (S.U.)	ORP (mV)	DO (mg/L)	Turbidity (NTU)	Comments
0922	9.90		250	1.0	18.13	461	5.48	161.2	0.75	5.2	
0927	9.90		200	2.0	18.08	438	5.34	210.0	0.62	0.78	
0932	9.90		200	3.0	18.05	434	5.33	220.2	0.60	0.00	
0937	9.91		200	5.0	18.09	434	5.32	226.5	0.56	0.00	
0942	9.91		200	6.0	18.06	434	5,32	230.1	0.58	0.00	

TtNUS Form 0009 (modified)
1. Pump dial setting (for example: hertz, cycle/min, etc.)
2. Siemens per cm (same as umhos/cm) at 25 °C.
3. Oxidation reduction potential (stand in for Eh).

TETRA TECH NUS, INC.

Round 4 - September 2008

SAMPLE LOG SHEET – "LOW FLOW" GROUNDWATER

Site Name: **Arrowwood Housing Sites – 122/124 Arrowwood Drive**
Sample ID: **AWD-GW-MW302-20080909**

Tetra Tech NUS Charge No. **112G00869 / CTO 426**
QC: **NA** (If applicable)

Sample Method: **Low Stress (flow) with Peristaltic Pump**
Sample Date & Time: **9 / 9 / 2008 1110** hours
Sampler(s): **R. Clark** Data Recorded By: **R. Clark**
Depth Sampled: **8.00 feet btor**
Weather: **Cloudy, windy, 60s**
Petroleum odor

H&S Survey Meter = **0.0 PPM** Pre-Pump Insertion WL = **5.80 ft btor**

Lab Analyses:
1. **VOCs (SW846-8260B) 3 x 40mL VOA vial with HCl, 4° C**
2. **ETPH (CTDEP) 2 x 1 liter amber glass, 4° C**

Clock Time (24hr)	Water Depth (feet below TOR)	Pump Dial[1]	Purge Rate (ml/min)	Cum. Volume Purged (liters)	Temp (°C)	Spec. Cond.[2] (µS/cm)	pH (S.U.)	ORP (mV)	DO (mg/L)	Turbidity (NTU)	Comments
1015	6.38		150	1.5	19.76	196	6.33	52.1	1.37	158	
1020	6.37		150	3.0	19.81	231	6.17	61.4	1.01	100	
1030	6.38		150	5.0	19.72	295	5.94	85.0	0.78	29.0	
1045	6.30		125	8.0	19.66	322	5.89	91.3	0.68	26.0	
1050	6.30		125	8.5	19.63	334	5.86	96.0	0.64	20.3	
1055	6.27		125	9.0	19.69	342	5.86	98.1	0.60	17.0	
1100	6.26		125	9.5	19.63	347	5.84	99.4	0.59	15.0	
1105	6.25		125	10.0	19.60	362	5.83	102.0	0.59	15.0	

TtNUS Form 0009 (modified)

1. Pump dial setting (for example: hertz, cycle/min, etc.)
2. Siemens per cm (same as umhos/cm) at 25 °C.
3. Oxidation reduction potential (stand in for Eh).

TETRA TECH NUS, INC.
Round 4 - September 2008

SAMPLE LOG SHEET – "LOW FLOW" GROUNDWATER

Site Name: **Arrowwood Housing Sites – 122/124 Arrowwood Drive**
Sample ID: **AWD-GW-MW303-20080909**

Tetra Tech NUS Charge No. **112G00869 / CTO 426**
QC: **NA** (If applicable)

Sample Method: **Low Stress (flow) with Peristaltic Pump**
Sample Date & Time: **9 / 9 / 2008 1210** hours
Sampler(s): **M. Alroy** Data Recorded By: **M. Alroy**
Depth Sampled: **9.80 feet btor**
Weather: **Cloudy, windy, humid, 70s**

H&S Survey Meter = **0.0 PPM** Pre-Pump Insertion WL = **5.85 ft btor**

Lab Analyses:
1. **VOCs (SW846-8260B) 3 x 40mL VOA vial with HCl, 4° C**
2. **ETPH (CTDEP) 2 x 1 liter amber glass, 4° C**

Clock Time (24hr)	Water Depth (feet below TOR)	Pump Dial[1]	Purge Rate (ml/min)	Cum. Volume Purged (liters)	Temp (°C)	Spec. Cond.[2] (µS/cm)	pH (S.U.)	ORP (mV)	DO (mg/L)	Turbidity (NTU)	Comments
1145	5.89		200	2.0	18.68	467	5.84	40.9	0.68	8.17	
1155	5.89		200	4.0	18.77	465	5.83	34.5	0.64	4.30	
1200	5.89		200	5.0	18.75	468	5.84	31.5	0.65	4.04	
1205	5.89		200	6.0	18.74	468	5.84	29.6	0.63	3.40	

TtNUS Form 0009 (modified)
1. Pump dial setting (for example: hertz, cycle/min, etc.)
2. Siemens per cm (same as umhos/cm) at 25 °C.
3. Oxidation reduction potential (stand in for Eh).

TETRA TECH NUS, INC.
Round 4 - September 2008

SAMPLE LOG SHEET – "LOW FLOW" GROUNDWATER

Site Name: **Arrowwood Housing Sites – 122/124 Arrowwood Drive**
Sample ID: **AWD-GW-MW304-20080910**

Tetra Tech NUS Charge No. **112G00869 / CTO 426**
QC: **NA** (If applicable)

Sample Method: **Low Stress (flow) with Peristaltic Pump**
Sample Date & Time: **9 / 10 / 2008 1755** hours
Sampler(s): **P. Seward** Data Recorded By: **P. Seward**
Depth Sampled: **9.28 feet btor**
Weather: **Sunny, 70 degrees F, winds 2-3 mph**

H&S Survey Meter = **0.0 PPM** Pre-Pump Insertion WL = **5.40 ft btor**

Lab Analyses:
1. **VOCs (SW846-8260B) 3 x 40mL VOA vial with HCl, 4° C**
2. **ETPH (CTDEP) 2 x 1 liter amber glass, 4° C**

Clock Time (24hr)	Water Depth (feet below TOR)	Pump Dial[1]	Purge Rate (ml/min)	Cum. Volume Purged (liters)	Temp (°C)	Spec. Cond.[2] (µS/cm)	pH (S.U.)	ORP (mV)	DO (mg/L)	Turbidity (NTU)	Comments
1720	5.41		200	1.0	21.66	418	6.30	142.0	0.35	23	Clear/colorless
1730	5.41		200	2.0	21.59	415	6.28	118.5	0.11	13	Clear/colorless
1735	5.42		200	3.0	21.59	412	6.27	111.6	0.09	14	Clear/colorless
1740	5.42		200	4.0	21.59	411	6.27	107.5	0.09	10	Clear/colorless
1745	5.42		200	5.0	21.56	411	6.27	106.4	0.09	11	Clear/colorless
1750	5.42		200	6.0	21.54	410	6.26	103.8	0.09	10	Clear/colorless

TtNUS Form 0009 (modified)
1. Pump dial setting (for example: hertz, cycle/min, etc.)
2. Siemens per cm (same as umhos/cm) at 25 °C.
3. Oxidation reduction potential (stand in for Eh).

TETRA TECH NUS, INC.

Round 4 - September 2008

SAMPLE LOG SHEET – "LOW FLOW" GROUNDWATER

Site Name: **Arrowwood Housing Sites – 122/124 Arrowwood Drive**
Sample ID: **AWD-GW-MW305-20080910**

Tetra Tech NUS Charge No. **112G00869 / CTO 426**
QC: **NA** (If applicable)

Sample Method: **Low Stress (flow) with Peristaltic Pump**
Sample Date & Time: **9 / 10 / 2008 1655** hours
Sampler(s): **P. Seward** Data Recorded By: **P. Seward**
Depth Sampled: **8.65 feet btor**
Weather: **Sunny, 70 degrees F, winds calm**

H&S Survey Meter = **0.0 PPM** Pre-Pump Insertion WL = **3.80 ft btor**

Lab Analyses:
1. **VOCs (SW846-8260B) 3 x 40mL VOA vial with HCl, 4° C**
2. **ETPH (CTDEP) 2 x 1 liter amber glass, 4° C**

Clock Time (24hr)	Water Depth (feet below TOR)	Pump Dial[1]	Purge Rate (ml/min)	Cum. Volume Purged (liters)	Temp (°C)	Spec. Cond.[2] (µS/cm)	pH (S.U.)	ORP (mV)	DO (mg/L)	Turbidity (NTU)	Comments
1620	4.28		160	2.0	20.77	430	6.19	136.3	0.23	16	Clear, colorless
1625	4.37		160	3.0	20.25	431	6.18	143.6	0.19	12	Clear, colorless
1630	4.37		160	4.0	19.94	430	6.19	147.0	0.18	12	Clear, colorless
1635	4.39		160	5.0	19.76	430	6.18	149.6	0.17	6.2	Clear, colorless
1640	4.39		160	6.0	19.63	429		150.6	0.16	4.7	Clear, colorless
1645	4.39		160	7.0	19.58	428	6.18	150.2	0.15	5.0	Clear, colorless
1650	4.39		160	8.0	19.51	428	6.19	151.8	0.14	4.5	Clear, colorless

TtNUS Form 0009 (modified)
1. Pump dial setting (for example: hertz, cycle/min, etc.)
2. Siemens per cm (same as umhos/cm) at 25 °C.
3. Oxidation reduction potential (stand in for Eh).

TETRA TECH NUS, INC.

Round 4 - September 2008

SAMPLE LOG SHEET – "LOW FLOW" GROUNDWATER

Site Name: **Arrowwood Housing Sites – 191/195 Arrowwood Drive**
Sample ID: **AWD-GW-MW401-20080910**

Tetra Tech NUS Charge No. **112G00869 / CTO 426**
QC: **NA** (If applicable)

Sample Method: **Low Stress (flow) with Peristaltic Pump**
Sample Date & Time: **9 / 10 / 2008 1030** hours
Sampler(s): **P. Seward** Data Recorded By: **P. Seward**
Depth Sampled: **9.84 feet btor**
Weather: **Sunny, 65 degrees F, winds 5-8 mph**

H&S Survey Meter = **0.0 PPM** Pre-Pump Insertion WL = **7.19 ft btor**

Lab Analyses:
1. **VOCs (SW846-8260B) 3 x 40mL VOA vial with HCl, 4° C**
2. **ETPH (CTDEP) 2 x 1 liter amber glass, 4° C**

Clock Time (24hr)	Water Depth (feet below TOR)	Pump Dial[1]	Purge Rate (ml/min)	Cum. Volume Purged (liters)	Temp (°C)	Spec. Cond.[2] (µS/cm)	pH (S.U.)	ORP (mV)	DO (mg/L)	Turbidity (NTU)	Comments
0950	7.30		140		20.19	367	6.09	280.3	1.35	75	Tan
0955	7.30		140	1.5	19.41	350	6.12	264.4	0.62	31	Tan
1000	7.30		140		19.28	352	6.11	263.9	0.55	14	Clear, colorless
1005	7.35		140	3.0	19.11	357	6.02	261.5	0.66	6.6	Clear, colorless
1010	7.36		140		19.06	358	5.96	221.6	0.73	4.6	Clear, colorless
1015	7.36		140	4.5	19.09	360	5.93	160.1	0.76	2.1	Clear, colorless
1020	7.37		140		19.07	361	5.91	155.0	0.78	1.7	Clear, colorless
1025	7.37		140	6.0	19.05	363	5.88	147.3	0.80	1.9	Clear, colorless

TtNUS Form 0009 (modified)
1. Pump dial setting (for example: hertz, cycle/min, etc.)
2. Siemens per cm (same as umhos/cm) at 25 °C.
3. Oxidation reduction potential (stand in for Eh).

TETRA TECH NUS, INC.

Round 4 - September 2008

SAMPLE LOG SHEET – "LOW FLOW" GROUNDWATER

Site Name: **Arrowwood Housing Sites – 191/195 Arrowwood Drive**
Sample ID: **AWD-GW-MW402-20080910**

Tetra Tech NUS Charge No. **112G00869 / CTO 426**
QC: **NA** (If applicable)

Sample Method: **Low Stress (flow) with Peristaltic Pump**
Sample Date & Time: **9 / 10 / 2008 1215** hours
Sampler(s): **P. Seward** Data Recorded By: **P. Seward**
Depth Sampled: **10.99 feet btor**
Weather: **Sunny, 70 degrees F, winds 5-8 mph**

H&S Survey Meter = **0.0 PPM** Pre-Pump Insertion WL = **7.02 ft btor**

Lab Analyses:
1. **VOCs (SW846-8260B) 3 x 40mL VOA vial with HCl, 4° C**
2. **ETPH (CTDEP) 2 x 1 liter amber glass, 4° C**

Clock Time (24hr)	Water Depth (feet below TOR)	Pump Dial[1]	Purge Rate (ml/min)	Cum. Volume Purged (liters)	Temp (°C)	Spec. Cond.[2] (µS/cm)	pH (S.U.)	ORP (mV)	DO (mg/L)	Turbidity (NTU)	Comments
1110	7.90		200	1.0	19.24	492	6.16	-75.5	1.35	130	tan/cloudy
1115	7.71		160		18.94	508	6.17	-91.0	1.05	290	tan/cloudy
1120	7.67		160	2.5	18.80	502	6.09	-70.4	1.12	190	tan/cloudy
1125	7.66		160		18.78	500	6.04	-58.5	0.73	160	tan/cloudy
1130	7.66		160	4.0	18.68	498	6.01	-46.7	0.61	180	tan/cloudy
1135	7.65		160		18.63	502	6.02	-42.0	0.51	140	tan/cloudy
1140	7.66		160	5.5	18.56	504	6.03	-39.6	0.54	150	tan/cloudy
1145	7.66		160		18.78	509	6.03	-36.4	0.53	120	tan/cloudy
1150	7.67		160	7.0	18.66	509	6.05	-34.1	0.32	100	tan/cloudy
1155	7.67		160		18.62	513	6.04	-32.9	0.45	110	tan/cloudy
1200	7.68		160	8.5	18.61	514	6.05	-31.1	0.38	100	tan/cloudy
1205	7.68		160		18.56	517	6.06	-29.9	0.37	100	tan/cloudy
1210	7.68		160	10.0	18.63	521	6.07	-27.6	0.40	110	tan/cloudy

TtNUS Form 0009 (modified)

1. Pump dial setting (for example: hertz, cycle/min, etc.)
2. Siemens per cm (same as umhos/cm) at 25 °C.
3. Oxidation reduction potential (stand in for Eh).

TETRA TECH NUS, INC.

Round 4 – September 2008

SAMPLE LOG SHEET – "LOW FLOW" GROUNDWATER

Site Name: **Arrowwood Housing Sites – 191/195 Arrowwood Drive**
Sample ID: **AWD-GW-MW403-20080910**

Tetra Tech NUS Charge No. **112G00869 / CTO 426** Page 1 of 2
QC: **NA** (If applicable)

Sample Method: **Low Stress (flow) with Peristaltic Pump**
Sample Date & Time: **9 / 10 / 2008 1410** hours
Sampler(s): **P. Seward** Data Recorded By: **P. Seward**
Depth Sampled: **9.17 feet btor**
Weather: **Sunny, 70 degrees F, winds 2-3 mph**

H&S Survey Meter = **0.0 PPM** Pre-Pump Insertion WL = **6.35 ft btor**

Lab Analyses:
1. **VOCs (SW846-8260B) 3 x 40mL VOA vial with HCl, 4° C**
2. **ETPH (CTDEP) 2 x 1 liter amber glass, 4° C**

Clock Time (24hr)	Water Depth (feet below TOR)	Pump Dial[1]	Purge Rate (ml/min)	Cum. Volume Purged (liters)	Temp (°C)	Spec. Cond.[2] (µS/cm)	pH (S.U.)	ORP (mV)	DO (mg/L)	Turbidity (NTU)	Comments
1310	6.75		140	1.0	19.96	189	6.51	-18.2	0.30	14	Clear/colorless
1315	7.31		140		20.02	205	6.50	-33.6	0.19	16	Clear/colorless
1320	7.59		130	2.5	20.03	213	6.51	-40.9	0.24	9.1	Clear/colorless
1325	8.18		130		19/90	212	6.51	-50.6	0.20	12	Clear/colorless
1330	8.31		130	4.0	19.80	203	6.51	-53.2	0.21	8.2	Clear/colorless
1335	8.51		100		19.76	196	6.51	-48.2	0.31	8.7	Clear/colorless
1340	8.76		100	5.0	19.74	190	6.51	-45.2	0.37	4.1	Clear/colorless
1345	8.86		100		19.71	194	6.51	-45.9	0.37	3.2	Clear/colorless
1350	8.91		100	6.0	19.75	189	6.53	-40.8	0.38	3.1	Clear/colorless
1355	8.86		100		19.84	190	6.53	-41.7	0.37	3.7	Clear/colorless
1400	8.90		100	7.0	19.90	190	6.53	-39.2	0.38	2.2	Clear/colorless

TtNUS Form 0009 (modified)
1. Pump dial setting (for example: hertz, cycle/min, etc.)
2. Siemens per cm (same as umhos/cm) at 25 °C.
3. Oxidation reduction potential (stand in for Eh).

TETRA TECH NUS, INC.

Round 4 - September 2008

SAMPLE LOG SHEET – "LOW FLOW" GROUNDWATER

Site Name: **Arrowwood Housing Sites – 191/195 Arrowwood Drive**
Sample ID: **AWD-GW-MW404-20080910**

Tetra Tech NUS Charge No. **112G00869 / CTO 426**
QC: **NA** (If applicable)

Sample Method: **Low Stress (flow) with Peristaltic Pump**
Sample Date & Time: **9 / 10 / 2008 1525** hours
Sampler(s): **P. Seward** Data Recorded By: **P. Seward**
Depth Sampled: **10.44 feet btor**
Weather: **Sunny, 71 degrees F, winds 5-8 mph**

H&S Survey Meter = **0.0 PPM** Pre-Pump Insertion WL = **5.88 ft btor**

Lab Analyses:
1. **VOCs (SW846-8260B) 3 x 40mL VOA vial with HCl, 4° C**
2. **ETPH (CTDEP) 2 x 1 liter amber glass, 4° C**

Clock Time (24hr)	Water Depth (feet below TOR)	Pump Dial[1]	Purge Rate (ml/min)	Cum. Volume Purged (liters)	Temp (°C)	Spec. Cond.[2] (µS/cm)	pH (S.U.)	ORP (mV)	DO (mg/L)	Turbidity (NTU)	Comments
1450	6.25		140	1.0	19.63	191	6.37	8.8	0.12	31	clear, colorless
1455	6.28		140		19.34	189	6.37	1.0	0.09	25	clear, colorless
1500	6.30		140	2.5	19.07	188	6.39	-5.2	0.11	22	clear, colorless
1505	6.35		140		18.80	185	6.39	-14.3	0.06	21	clear, colorless
1510	6.35		140	4.0	18.84	184	6.38	-18.4	0.05	20	clear, colorless
1515	6.35		140		18.71	183	6.37	-20.1	0.06	22	clear, colorless
1520	6.35		140	5.5	18.61	180	6.35	-22.8	0.05	22	clear, colorless

TtNUS Form 0009 (modified)
1. Pump dial setting (for example: hertz, cycle/min, etc.)
2. Siemens per cm (same as umhos/cm) at 25 °C.
3. Oxidation reduction potential (stand in for Eh).

TETRA TECH NUS, INC.

Round 4 - September 2008

SAMPLE LOG SHEET – "LOW FLOW" GROUNDWATER

Site Name: **Arrowwood Housing Sites – 122/124 Arrowwood Drive**
Sample ID: **AWD-GW-MW14-20080909**

Tetra Tech NUS Charge No. **112G00869 / CTO 426**
QC: **MS/MSD** (If applicable)

Sample Method: **Low Stress (flow) with Peristaltic Pump**
Sample Date & Time: **9 / 9 / 2008 1155** hours
Sampler(s): **P. Seward** Data Recorded By: **P. Seward**
Depth Sampled: **10 feet btor**
Weather: **Cloudy, 72 degrees F, winds 5-8 mph**

H&S Survey Meter = **0.0 PPM** Pre-Pump Insertion WL = **3.87 ft btor**

Lab Analyses:
1. **VOCs (SW846-8260B) 9 x 40mL VOA vial with HCl, 4° C**
2. **ETPH (CTDEP) 6 x 1 liter amber glass, 4° C**

Clock Time (24hr)	Water Depth (feet below TOR)	Pump Dial[1]	Purge Rate (ml/min)	Cum. Volume Purged (liters)	Temp (°C)	Spec. Cond.[2] (µS/cm)	pH (S.U.)	ORP (mV)	DO (mg/L)	Turbidity (NTU)	Comments
1115	3.90		200	1.0	16.44	412	6.21	171.2	1.10	7.7	Clear/colorless
1120	3.91		200	2.0	16.04	407	6.14	170.1	0.62	0.35	Clear/colorless
1125	3.91		200	3.0	16.10	400	6.07	169.7	0.63	0.0	Clear/colorless
1130	3.91		200	4.0	16.09	402	6.09	169.2	0.63	0.0	Clear/colorless
1135	3.91		200	5.0	15.88	400	6.09	169.7	0.46	0.0	Clear/colorless
1140	3.91		200	6.0	15.85	400	6.08	169.2	0.38	0.0	Clear/colorless
1145	3.91		200	7.0	15.84	396	6.08	169.1	0.37	0.0	Clear/colorless
1150	3.91		200	8.0	15.88	396	6.07	168.7	0.37	0.0	Clear/colorless

TtNUS Form 0009 (modified)

1. Pump dial setting (for example: hertz, cycle/min, etc.)
2. Siemens per cm (same as umhos/cm) at 25 °C.
3. Oxidation reduction potential (stand in for Eh).

TETRA TECH NUS, INC.

SURFACE WATER SAMPLE LOG SHEET

Site Name:	Arrowwood Housing Sites	**Date:**	9/9/2008
Location:	NSB New London, Groton, CT	**Sampler:**	P. Seward
Sample ID:	PZ-203	**PID:**	0.0
Depth to Water:	0.85'		
Total Depth:			
Water Column:			
Purge Start:	0835		
Volume Purged:	See below		

Field Equipment

Make	Model
Geopump	Peristaltic
YSI	
Lamotte	Turbidimeter

Water Quality Information (not purged to stabilization)

Time	Temp (ºC)	pH	SPC (µS/cm)	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Salinity (ppth)	Other
1030	18.55	6.94	114	8.10	-43.5	50	NA	

Groundwater Sampling Information

Time	Sample ID	Container	Volume	Preservative	Analysis
1415	AWD-PZ-203-090908	40 mL vial	3 x 40 mL	HCl	VOC
1415	AWD-PZ-203-090908	1 liter amber	1 x 1 liter	---	CT ETPH

Quality Control Sample Information

Duplicate Sample ID: NA **Duplicate Sample Time:** NA **MS/MSD?** Y / **N**

OBSERVATIONS/NOTES:

0835 initial well purge, ~1400 mL, initial water level 0.85'
1030 second purge, initial water level 2.85', collected water quality readings, purged ~120 mL
1415 third purge after recharge, initial water level 0.65; filled 3 VOA vials and 1 and 1/3 amber jars

TETRA TECH NUS, INC.

SURFACE WATER SAMPLE LOG SHEET

Site Name:	Arrowwood Housing Sites	**Date:**	9/9/2008
Location:	NSB New London, Groton, CT	**Sampler:**	P. Seward
Sample ID:	SW01	**PID:**	0.0
Depth to Water:	3.0'		
Total Depth:			
Water Column:			
Purge Start:	See below		
Volume Purged:	See below		

Field Equipment

Make	Model
Geopump	Peristaltic
YSI	
Lamotte	Turbidimeter 2020

Water Quality Information (not purged to stabilization)

Time	Temp (ºC)	pH	SPC (µS/cm)	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Salinity (ppth)	Other
0920	18.29	6.48	371	6.20	2.8	90	NA	

Groundwater Sampling Information

Time	Sample ID	Container	Volume	Preservative	Analysis
0920	AWD-SW-SW1-090808	40 mL vial	3 x 40 mL	HCl	VOC
0920	AWD-SW-SW1-090808	1 liter amber	2 x 1 liter	---	CT ETPH
0930	AWD-SW-DUP01-090808	40 mL vial	3 x 40 mL	HCl	VOC
0930	AWD-SW-DUP01-090808	1 liter amber	2 x 1 liter	---	CT ETPH

Quality Control Sample Information

Duplicate Sample ID: AWD-SW-DUP01-090808 **Duplicate Sample Time:** 0930 **MS/MSD?** Y / **N**

OBSERVATIONS/NOTES:

0900 initial water level 3.0', initial well purge ~380 mL

0920 VOC sample is turbid, in order to collect VOC sample free of bubbles sampler could not wait for purge water to clear

APPENDIX F

CHAIN OF CUSTODY FORMS

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: TETRA TECH NUS INC
Contact: STEVE VETERE
Phone #: (978) 474-8444
Fax #: (617) 474-849[illegible]

Address: 55 JONSPIN ROAD
City: WILMINGTON
State: MA
Zip Code: 01887

Purchase Order #: C70 426 NLON
Proj. Name / No.: ARROWHEAD NSB - NLON
Katahdin Quote #:

Bill (if different than above): Accounts Payable
Address: 661 Anderson Drive Foster Plaza 7 Pittsburgh PA

Sampler (Print/Sign): Michael Aray / M Aray
Copies To:

LAB USE ONLY WORK ORDER #:
KATAHDIN PROJECT NUMBER
REMARKS:

SHIPPING INFO: ☐ FED EX ☐ UPS ☐ CLIENT
AIRBILL NO:
TEMP°C ____ ☐ TEMP BLANK ☐ INTACT ☐ NOT INTACT

ANALYSIS AND CONTAINER TYPE / PRESERVATIVES

*	Sample Description	Date / Time coll'd	Matrix	No. of Cntrs.	Filt. ☐Y ☐N	VOC	Filt. ☐Y ☐N	CT-ETPH	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N
	~~AWD-GW-MW101-200~~ MA 1/9/08	✓														
	AWD-GW-MW101-20080108	1/8/08/10:30	GW	5		X		X								
1	AWD-GW-MW102-20080108	1/8/08/11:05		5		X		X								
	AWD-GW-MW103-20080108	1/8/08/11:40		15		X		X								
1	AWD-GW-MW104-20080108	1/8/08/13:10		5		X		X								
	AWD-GW-MW201-20080108	1/8/08/14:30		5		X		X								
★	AWD-GW-MW202-20080108	1/8/08/1500		5		X		X								
	AWD-GW-MW302-20080108	1/8/08/17:35		5		X		X								
	AWD-GW-MW303-20080108	1/8/08/16:20		5		X		X								
1	AWD-GW-MW304-20080108	1/8/08/16:35		5		X		X								
	AWD-GW-MW401-20080109	1/9/08/9:55		5		X		X								
D1	AWD-GW-MW402-20080109	1/9/08/11:35		5		X		X								
	~~AWD-GW-MW403-20080109~~	~~1/9/08/~~		~~5~~		X		X	MA	1/9/08						
	~~AWD-GW-MW404-20080109~~	~~1/9/08/~~		~~5~~		X		X	MA	1/9/08						
	AWD-GW-DUP1 MW402	1/9/08/11:45		5		X		X								
	AWD-GW-TB1	1/9/08/	LW	~~2~~ 3 MA 1/9/08		X										

COMMENTS
- AWD-GW-MW103-20080108 IS A LAB QC SAMPLE

Relinquished By: (Signature)	Date / Time	Received By: (Signature)	Relinquished By: (Signature)	Date / Time	Received By: (Signature)
M Aray	1/9/08 1530				
Relinquished By: (Signature)	Date / Time	Received By: (Signature)	Relinquished By: (Signature)	Date / Time	Received By: (Signature)

THE TERMS AND CONDITIONS ON THE REVERSE SIDE HEREOF SHALL GOVERN

DUPLICATE

Katahdin Analytical Services
600 Technology Way
Scarborough, ME 04074
Tel: (207) 874-2400
Fax: (207) 775-4029

CHAIN of CUSTODY

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Page ____ of ____

Client: TETRA TECH NUS INC
Contact: Steve Vetere
Phone #: (978) 474-8444
Fax #: (978) 474-8499

Address: 55 JONSPIN ROAD
City: WILMINGTON
State: MA
Zip Code: 01887

Purchase Order #: CTO 426 NLON
Proj. Name / No.: ARROWHEAD NSB - NLON
Katahdin Quote #:

Bill (if different than above): ACCOUNTS PAYABLE
Address: 661 Anderson Drive FOSTER PLAZA 7 Pittsburgh PA

Sampler (Print / Sign): Michael Atroy / M Atroy
Copies To: Lucy Guzman

LAB USE ONLY
WORK ORDER #:
KATAHDIN PROJECT NUMBER ____

REMARKS: ____

SHIPPING INFO: ☐ FED EX ☐ UPS ☐ CLIENT
AIRBILL NO: ____
TEMP °C ____ ☐ TEMP BLANK ☐ INTACT ☐ NOT INTACT

ANALYSIS AND CONTAINER TYPE / PRESERVATIVES

*	Sample Description	Date / Time coll'd	Matrix	No. of Cntrs.	VOC	CT ETPH									
	AWD-GW-MW403-20080109	1/9/08/16:10	GW	5	X	X									
	AWD-GW-MW404-20080109	1/9/08/16:50	↓	5	X	X									
	AWD-GW-MW301-20080110	1/10/08/	↓	5	X	X									
	AWD-GW-MW-305-20080110	1/10/08/0930	↓	5	X	X									
02	AWD-GW-MW14-20080110	1/10/08/11:10	↓	5	X	X									
	AWD-GW-DUP2 MW-14	1/10/08/11:15	↓	5	X	X									
	AWD-GW-TB2	1/10/08/0800	LW	2	X										
	~~AWD-SW-SW4-20080110~~	~~1/10/08/~~	~~GW~~	~~5~~	X	X	MA	1/10/08							
	~~AWD-SW-PZ203~~	~~1/10/08/~~	↓	~~5~~	X	X	MA	1/10/08							
	~~AWD-SW-DUP1~~	~~1/10/08/~~	↓	~~5~~	X	X	MA	1/10/08							
		/													
		/													
		/													
		/													
		/													
		/													

COMMENTS: ★ SAMPLES AWD-GW-MW403-20080109 & AWD-GW-MW404-20080109 are "HOT" samples

Relinquished By: (Signature)	Date / Time	Received By: (Signature)	Relinquished By: (Signature)	Date / Time	Received By: (Sign
M. Atroy	1/10/08 15:50				
Relinquished By: (Signature)	**Date / Time**	**Received By: (Signature)**	**Relinquished By: (Signature)**	**Date / Time**	**Received By: (Signature)**

THE TERMS AND CONDITIONS ON THE REVERSE SIDE HEREOF SHALL GOVERN SERVICES, EXCEPT WHEN A SIGNED CONTRACTUAL AGREEMENT EXISTS

DUPLICATE

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

Client: TETRA TECH NUS INC
Contact: Steve Veteto
Phone #: (978) 474-8444
Fax #: (978) 474-8499
Address: 55 JONSPIN ROAD
City: WILMINGTON
State: MA
Zip Code: 01887
Purchase Order #: CTO 426 NLON
Proj. Name / No.: ARROWOOD NSB-NLON
Katahdin Quote #:
Bill (if different than above): ACCOUNTS PAYABLE
Address: 661 ANDERSON FOSTER DRIVE PLAZA 7, Pittsburgh, PA
Sampler (Print / Sign): Michael Alvey / M Alvey
Copies To:

LAB USE ONLY WORK ORDER #:
KATAHDIN PROJECT NUMBER
REMARKS:

SHIPPING INFO: ☐ FED EX ☐ UPS ☐ CLIENT
AIRBILL NO:
TEMP°C ☐ TEMP BLANK ☐ INTACT ☐ NOT INTACT

ANALYSIS AND CONTAINER TYPE PRESERVATIVES

*	Sample Description	Date / Time coll'd	Matrix	No. of Cntrs.	VOC	CT ETPH	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N
	~~AWD-SW-SW1-~~ MA 1/11/08	/	GW	5	X	X										
	AWD-SW-SW1-20080111	1/10/08 / 12:30		5	X	X										
DI	AWD-SW-PZ203-20080111	1/11/08 / 12:00		5	X	X										
	AWD-GW-MW202-20080111	1/11/08 / 13:30	✓	5	X	X										
	AWD-GW-TB3	1/11/08 / 0800	LW	2	X											
	AWD-SW-DUP1 PZ203	1/11/08 / 12:10	GW	5	X	X										
		/														
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COMMENTS

Relinquished By: (Signature)	Date / Time	Received By: (Signature)	Relinquished By: (Signature)	Date / Time	Received By: (Signature)
M. Alvey	1/11/08 14:00				
Relinquished By: (Signature)	Date / Time	Received By: (Signature)	Relinquished By: (Signature)	Date / Time	Received By: (Signature)

THE TERMS AND CONDITIONS ON THE REVERSE SIDE HEREOF SHALL GOVERN SERVICES, EXCEPT WHEN A SIGNED CONTRACTUAL AGREEMENT EXISTS

DUPLICATE

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

Client: Tra Tech NUS, Inc
Contact: Steve Vetere
Phone #: (978) 474-8444
Fax #: (978) 474-8499
Address: 55 Jonspin Road
City: Wilmington
State: MA
Zip Code: 01887
Purchase Order #: CTO 426 NLON
Proj. Name / No.: 1120008869.0000.0300 Arrowood NSB New London
Katahdin Quote #:
Bill (if different than above): Accounts Payable
Address: 661 Anderson Drive Foster Plaza 7, Pittsburgh, PA
Sampler (Print / Sign): Peter Seward / Peter S
Copies To:

LAB USE ONLY
WORK ORDER #:
KATAHDIN PROJECT NUMBER
REMARKS:

SHIPPING INFO: ☐ FED EX ☐ UPS ☐ CLIENT
AIRBILL NO:
TEMP°C ☐ TEMP BLANK ☐ INTACT ☐ NOT INTACT

ANALYSIS AND CONTAINER TYPE PRESERVATIVES

*	Sample Description	Date / Time coll'd	Matrix	Total No. of Cntrs.	Target VOCs	CT ETPH	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N
	AWD-GW-TB1	3/24/08 / 1300	AQ	2	2	1										
	AWD-GW-MW101-20080324	3-24-08 / 1630	GW	15	9	6										
	AWD-GW-MW102-20080324	3-24-08 / 1630	GW	5	3	2										
	AWD-GW-MW103-20080325	3-25-08 / 1025	GW	5	3	2										
	AWD-GW-MW104-20080325	3-25-08 / 1040	GW	5	3	2										
	AWD-GW-~~MW104~~ MW201 20080325	3-25-08 / 1240	GW	5	3	2										
	AWD-GW-MW14-20080325	3-25-08 / 1245	GW	5	3	2										
	AWD-GW-MW202-20080325	3-25-08 / 1435	GW	5	3	2										
	AWD-GW-MW304-20080325	3-25-08 / 1520	GW	5	3	2										
		/														
		/														
		/														
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		/														
		/														

COMMENTS

Relinquished By: (Signature)	Date / Time	Received By: (Signature)	Relinquished By: (Signature)	Date / Time	Received By: (Signature)
Peter S	3/25/08 1715	Fedex			
Relinquished By: (Signature)	Date / Time	Received By: (Signature)	Relinquished By: (Signature)	Date / Time	Received By: (Signature)

THE TERMS AND CONDITIONS ON THE REVERSE SIDE HEREOF SHALL GOVERN SERVICES, EXCEPT WHEN A SIGNED CONTRACTUAL AGREEMENT EXISTS.

CUSTOMER COPY

Katahdin ANALYTICAL SERVICES
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 1 of 1

Client: Tetra Tech NUS, Inc	Contact: Steve Vetere	Phone #: (978) 474-8444	Fax #: (978) 474-8499
Address: 55 Jonspin Road	City: Wilmington	State: MA	Zip Code: 01887
Purchase Order #: CTO 4836 NLON	Proj. Name / No.: 112G0269-0320/ Arrowood Housing USS New London	Katahdin Quote #:	
Bill (if different than above): Accounts Payable	Address: 601 Anderson Drive Foster Plaza 7, Pittsburgh, PA		
Sampler (Print / Sign): Peter Sawyer / Peter Sawyer		Copies To:	

LAB USE ONLY WORK ORDER #:

KATAHDIN PROJECT NUMBER

REMARKS:

SHIPPING INFO: ☐ FED EX ☐ UPS ☐ CLIENT

AIRBILL NO:

TEMP°C ☐ TEMP. BLANK ☐ INTACT ☐ NOT INTACT

ANALYSIS AND CONTAINER TYPE PRESERVATIVES

*	Sample Description	Date / Time coll'd	Matrix	Total No. of Cntrs.	Filt. ☐Y ☐N: Target VOCs (40 ml vials)	Filt. ☐Y ☐N: CT ETPH (1L amber jars)	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N
	AWD-GW-TBQ	3-25-08 / 1500	AQ	2	2	1								
	AWD-GW-MW305-20080325	3-25-08 / 1730	GW	5	3	2								
	AWD-GW-MW301-20080326	3-26-08 / 1130	GW	5	3	2								
	AWD-GW-MW404-20080326	3-26-08 / 1130	GW	5	3	2								
	AWD-GW-MW302-20080326	3-26-08 / 1405	GW	5	3	2								
	AWD-GW-MW303-20080326	3-26-08 / 1600	GW	5	3	2								
	AWD-GW-MW400-20080326	3-26-08 / 1615	GW	5	3	2								
	AWD-GW-DUP3	3-26-08 / 1620	GW	5	3	2								
	AWD-GW-MW403-20080327	3-27-08 / 1100	GW	5	3	2								
	AWD-GW-DUP1	3-27-08 / 1115	GW	5	3	2								
	AWD-SW-SW1-20080327	3-27-08 / 1150	SW	5	3	2								
	AWD-SW-DUP1	3-27-08 / 1230	SW	5	3	2								
	AWD-GW-MW404-20080327	3-27-08 / 1430	GW	5	3	2								
		/												
		/												
		/												

COMMENTS

Relinquished By: (Signature)	Date / Time	Received By: (Signature)	Relinquished By: (Signature)	Date / Time	Received By: (Signature)
Peter Sawyer	3-27-08 1800	Fedex			
Relinquished By: (Signature)	Date / Time	Received By: (Signature)	Relinquished By: (Signature)	Date / Time	Received By: (Signature)

THE TERMS AND CONDITIONS ON THE REVERSE SIDE HEREOF SHALL GOVERN SERVICES, EXCEPT WHEN A SIGNED CONTRACTUAL AGREEMENT EXISTS.

CUSTOMER COPY

Katahdin ANALYTICAL SERVICES
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

Client: Tra Tech NUS Inc
Contact: Steve Vetere
Phone #: (978) 474-8444
Fax #: (978) 474-8499
Address: 55 Jonspin Road
City: Wilmington
State: MA
Zip Code: 01887
Purchase Order #: CTO 4216 NLOU
Proj. Name / No.: 112G08869.0000.0326 Arrowood Housing USB New London
Katahdin Quote #: -
Bill (if different than above): Accounts Payable
Address: 601 Anderson Drive Foster Plaza 7, Pittsburgh, PA
Sampler (Print / Sign): Peter Sowell
Copies To:

LAB USE ONLY
WORK ORDER #:
KATAHDIN PROJECT NUMBER
REMARKS:

SHIPPING INFO: ☐ FED EX ☐ UPS ☐ CLIENT
AIRBILL NO:
TEMP °C ☐ TEMP BLANK ☐ INTACT ☐ NOT INTACT

ANALYSIS AND CONTAINER TYPE PRESERVATIVES

*	Sample Description	Date / Time coll'd	Matrix	Total No. of Cntrs.	Target VOCs (40 mL vials)	CT ETPH (1L amber glass)	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N
	AWD-SW-TB3	3-27-08	AQ	2	2	1										
	AWD-SW-PZ203A-20080327	~~3-28-08~~ 1730 PS 3-28-08														
	~~AWD-SW-SB1-20080327~~ PS 3/28/08	3-27-08 1445	SW	4	3	1										

COMMENTS

Relinquished By: (Signature)	Date / Time	Received By: (Signature)	Relinquished By: (Signature)	Date / Time	Received By: (Signature)
	3-28-08 1500				
Relinquished By: (Signature)	Date / Time	Received By: (Signature)	Relinquished By: (Signature)	Date / Time	Received By: (Signature)

THE TERMS AND CONDITIONS ON THE REVERSE SIDE HEREOF SHALL GOVERN SERVICES, EXCEPT WHEN A SIGNED CONTRACTUAL AGREEMENT EXISTS.

CUSTOMER COPY

Katahdin ANALYTICAL SERVICES
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

Client: Tetratech NUS Inc
Contact: Steve Vosteen
Phone #: (978) 474 8444
Fax #: (978) 474 8400
Address: 55 Jonspin Rd
City: Wilmington
State: MA
Zip Code:
Purchase Order #:
Proj. Name / No.:
Katahdin Quote #:
Bill (if different than above):
Address:
Sampler (Print / Sign): R Clark Kagl
Copies To:

LAB USE ONLY
WORK ORDER #:
KATAHDIN PROJECT NUMBER
REMARKS:

SHIPPING INFO: ☐ FED EX ☐ UPS ☐ CLIENT
AIRBILL NO:
TEMP°C ☐ TEMP BLANK ☐ INTACT ☐ NOT INTACT

ANALYSIS AND CONTAINER TYPE PRESERVATIVES

#	Sample Description	Date / Time coll'd	Matrix	No. of Cntrs.	Filt. ☐Y ☐N Target VOC	Filt. ☐Y ☐N ETPH Add Meth 8015	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N
	AWD-GW-MW302-061108	6/11/08/1215	A	5	3	2								
	AWD-SW-PZ203A 20080611	6/11/08/1145	A	1		1								
	AWD-GW-MW301-20080611	6/11/08/1030	A	5	3	2								
	AWD-GW-MW401-061108	6/11/08/1430	A	5	3	2								
	AWD-GW-MW303-061108	6/11/08/1050	A	5	3	2								
	AWD-GW-DUP02	6/11/08/—	A	5	3	2								
	AWD-SW-DUP01 20080610	6/10/08/—	A	2		2								
	AWD-GW-MW301 20080611	6/11/08/1030	A	5	3	2								
	AWD-SW-PZ203A 20080610	6/10/08/1630	A			1								
	AWD-SW-SW1 20080610	6/10/08/1600	A	2		2								
	AWD-SW-PZ203A 20080610	6/10/08/1630	A	4	3	1								
	AWD-SW-SW1-20080611	6/11/08/1115	A	3	3									
	AWD-SW-DUP01 20080611	6/11/08/—	A	3	3									
	AWD-TB061108	6/11/08/—	A	2										
		/												
		/												

COMMENTS
See SOW for Analyte list & Detection limit

Relinquished By: (Signature)	Date / Time	Received By: (Signature)	Relinquished By: (Signature)	Date / Time	Received By: (Signature)
Rob Clark	6/11/08 1600				
Relinquished By: (Signature)	Date / Time	Received By: (Signature)	Relinquished By: (Signature)	Date / Time	Received By: (Signature)

THE TERMS AND CONDITIONS ON THE REVERSE SIDE HEREOF SHALL GOVERN SERVICES, EXCEPT WHEN A SIGNED CONTRACTUAL AGREEMENT EXISTS.

CUSTOMER COPY

Katahdin ANALYTICAL SERVICES
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

Client: Tetra Tech NUS Inc
Contact: Steve Vetere
Phone #: (978) 474 8444
Fax #: (978) 474 8446
Address: 55 Jonspin Rd
City: Wilmington
State: MA
Zip Code: 01887
Purchase Order #:
Proj. Name / No.: Arrowwood Drive Groton CT
Katahdin Quote #:
Bill (if different than above):
Address:
Sampler (Print / Sign):
Copies To:

LAB USE ONLY WORK ORDER #:
KATAHDIN PROJECT NUMBER ___
REMARKS: ___

SHIPPING INFO: ☐ FED EX ☐ UPS ☐ CLIENT
AIRBILL NO: ___
TEMP°C ___ ☐ TEMP BLANK ☐ INTACT ☐ NOT INTACT

ANALYSIS AND CONTAINER TYPE PRESERVATIVES

*	Sample Description	Date / Time coll'd	Matrix	No. of Cntrs.	Target VOC (Filt. ☐Y ☐N)	ETPH CT Method (Filt. ☐Y ☐N)	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N
	AWD-GW-MW103-061908	6/9/08/1430	A	5	3	2									
	AWD-GW-MW102-060908	6/9/08/1600	A	5	3	2									
	AWD-GW-MW404-20080609	6/9/08/1305	A	5	3	2									
	AWD-GW-MW104-060908	6/9/08/1225	A	15	9	6	Include Lab QC								
	AWD-GW-MW403-20080609	6/9/08/1450	A	5	3	2									
	AWD-GW-MW402-20080609	6/9/08/1645	A	5	3	2									
	AWD-GW-MW304-061008	6/10/08/1200	A	5	3	2									
	AWD-GW-MW101-061008	6/10/08/0930	A	5	3	2									
	AWD-GW-MW305-061008	6/10/08/1340	A	5	3	2									
	AWD-GW-MW201-061008	6/10/08/1050	A	5	3	2									
	AWD-GW-DUP01	6/10/08/—	A	5	3	2									
	AWD-GW-MW202-20080610	6/10/08/1010	A	5	3	2									
	AWD-GW-MW14-20080610	6/10/08/1155	A	5	3	2									
	AWD-TB061008	6/10/08/—	A	2	2	—									
		/													
		/													

COMMENTS
See SOW for analyte list & Reporting Limits

Relinquished By: (Signature)	Date / Time	Received By: (Signature)	Relinquished By: (Signature)	Date / Time	Received By: (Signature)
[signature]	6/10/08/1700				
Relinquished By: (Signature)	Date / Time	Received By: (Signature)	Relinquished By: (Signature)	Date / Time	Received By: (Signature)

THE TERMS AND CONDITIONS ON THE REVERSE SIDE HEREOF SHALL GOVERN SERVICES, EXCEPT WHEN A SIGNED CONTRACTUAL AGREEMENT EXISTS.

CUSTOMER COPY

Katahdin ANALYTICAL SERVICES
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

Client: Tetratech NUS Inc
Contact: Steve Vetere
Phone #: (978) 474 8444
Fax #: (978) 474 8445
Address: 55 Jonspin Rd
City: Wilmington
State: MA
Zip Code: 01887
Purchase Order #: CTO 426 NLON
Proj. Name / No.: Arrowwood NLON
Katahdin Quote #:
Bill (if different than above):
Address:
Sampler (Print / Sign): R Clark P Sullivan
Copies To:

LAB USE ONLY WORK ORDER #:
KATAHDIN PROJECT NUMBER
REMARKS:

SHIPPING INFO: ☐ FED EX ☐ UPS ☐ CLIENT
AIRBILL NO:
TEMP°C ☐ TEMP BLANK ☐ INTACT ☐ NOT INTACT

ANALYSIS AND CONTAINER TYPE PRESERVATIVES

*	Sample Description	Date / Time coll'd	Matrix	No. of Cntrs.	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N
					Target TCL	or EPH								
	AWD-GW-MW201-090908	9/8/08 1645	A	5	3	2								
	AWD-GW-MW301-090908	9/9/08 0945	A	5	3	2								
	AWD-GW-Dup01	9/8/08 —	A	5	3	2								
	AWD-GW-MW302-090908	9/9/08 1110	A	5	3	2								
	~~AWD-GW-MW303-090908~~													
	AWD-GW-MW303-090908	9/9/08 1210	A	5	3	2								
	AWD-~~GW~~-SW1-090908	9/9/08 0920	A	5	3	2								
	AWD-SW-Dup01	9/9/08 —	A	5	3	2								
	AWD-PZ203-090908	9/9/08 1415	A	5	3	2								
	AWD-GW-MW202-090908	9/8/08 1450	A	5	3	2								
	AWD-GW-MW14-090908	9/9/08 1155	A	15	9	6	Lab QC							
	AWD-TB1-090908	9/9/08 —	A	2	2									
		/												
		/												
		/												
		/												

COMMENTS: 3 Coolers

Relinquished By: (Signature)	Date / Time	Received By: (Signature)	Relinquished By: (Signature)	Date / Time	Received By: (Signature)
[illegible]	9/10/08 0900	[illegible]			
Relinquished By: (Signature)	Date / Time	Received By: (Signature)	Relinquished By: (Signature)	Date / Time	Received By: (Signature)

THE TERMS AND CONDITIONS ON THE REVERSE SIDE HEREOF SHALL GOVERN SERVICES, EXCEPT WHEN A SIGNED CONTRACTUAL AGREEMENT EXISTS

CUSTOMER COPY

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

Client: Textron NUS
Contact: Steve Vetere
Phone #: (978) 474 8444
Fax #: (978) 474 845
Address: 55 Jonspin Rd
City: Wilmington
State: MA
Zip Code:
Purchase Order #: CTO 426 NLDN
Proj. Name / No.: 112G00869.P320
Katahdin Quote #:
Bill (if different than above):
Address:
Sampler (Print / Sign): R Clark P Seward
Copies To:

LAB USE ONLY
WORK ORDER #:
KATAHDIN PROJECT NUMBER
REMARKS:

SHIPPING INFO: ☐ FED EX ☐ UPS ☐ CLIENT
AIRBILL NO:
TEMP°C ☐ TEMP BLANK ☐ INTACT ☐ NOT INTACT

ANALYSIS AND CONTAINER TYPE PRESERVATIVES

*	Sample Description	Date / Time coll'd	Matrix	No. of Cntrs.	Filt. ☐Y ☐N Arsenic	Filt. ☐Y ☐N CT EPH	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N
	AWD-GW-MW Dupe	9/10/08 / —	A	5	3	2								
	AWD-GW-MW-102 091008	9/10/08 / 1130	A	5	3	2								
	AWD-GW-MW-101-091008	9/10/08 / 1015	A	5	3	2								
	AWD-GW-MW 205 091008	9/10/08 / 1655	A	5	3	2								
	AWD-GW-MW404 091008	9/10/08 / 1525	A	5	3	2								
	AWD-GW-MW304-091008	9/10/08 / 1755	A	5	3	2								
	AWD-GW-MW402-091008	9/10/08 / 1215	A	5	3	2								
	AWD-GW-MW403-091008	9/10/08 / 1410	A	5	3	2								
	AWD-GW-MW401-091008	9/10/08 / 1030	A	5	3	2								
	AWD-GW-MW104-091008	9/10/08 / 1630	A	5	3	2								
	AWD-GW-MW103-091008	9/10/08 / 1800	A	5	3	2								
	AWD-TB 091108	9/11/08 / 0900	A	2	2	—								
		/												
		/												
		/												
		/												

COMMENTS
4 Coolers

Relinquished By: (Signature)	Date / Time	Received By: (Signature)	Relinquished By: (Signature)	Date / Time	Received By: (Signature)
Valerie	9/11/08 1100	Fedex			
Relinquished By: (Signature)	Date / Time	Received By: (Signature)	Relinquished By: (Signature)	Date / Time	Received By: (Signature)

THE TERMS AND CONDITIONS ON THE REVERSE SIDE HEREOF SHALL GOVERN SERVICES, EXCEPT WHEN A SIGNED CONTRACTUAL AGREEMENT EXIST

CUSTOMER COPY

APPENDIX G

LABORATORY DATA PACKAGES

TETRA TECH NUS, INC.
CTO 426 NLON
SDG: CTO426-1
SB0168, SB0196, SB0230

KATAHDIN ANALYTICAL SERVICES, INC.
600 TECHNOLOGY WAY
SCARBOROUGH, ME 04074

TABLE OF CONTENTS

Total number of pages: 609

SAMPLE DATA PACKAGE		0000001		
Narrative	----------	0000002	to	0000004
Supporting Documents	----------	0000005	to	0000012
Chain of Custody Record	----------	0000013	to	0000015
Login Report	----------	0000016	to	0000019
SAMPLE DATA SUMMARY				
Report of Analytical Results	----------	A0000001	to	A0000113
VOLATILE DATA		1000001		
QC Summary	----------	1000002	to	1000022
Sample Data	----------	1000023	to	1000140
Standards Data	----------	1000141	to	1000270
Raw QC Data	----------	1000271	to	1000327
Logbooks and Supporting Documents	----------	1000328	to	1000334
TOTAL PETROLEUM HYDROCARBON DATA		2000001		
QC Summary	----------	2000002	to	2000008
Sample Data	----------	2000009	to	2000074
Standards Data	----------	2000075	to	2000113
Raw QC Data	----------	2000114	to	2000133
Logbooks and Supporting Documents	----------	2000134	to	2000143

SAMPLE DATA PACKAGE

SDG NARRATIVE
KATAHDIN ANALYTICAL SERVICES
TETRA TECH NUS
CASE CTO 426 NLON
SDG: CTO426-1
SB0168, SB0196, SB0230

Sample Receipt

The following samples were received on January 10, 11 and 12, 2008 and were logged in under Katahdin Analytical Services work order numbers SB0168, SB0196 and SB0230 for a hardcopy due date of January 31, 2008.

KATAHDIN Sample No.	TTNUS Sample Identification
SB0168-1	AWD-GW-MW101-2008
SB0168-2	AWD-GW-MW102-2008
SB0168-3	AWD-GW-MW103-2008
SB0168-4	AWD-GW-MW104-2008
SB0168-5	AWD-GW-MW201-2008
SB0168-7	AWD-GW-MW302-2008
SB0168-8	AWD-GW-MW303-2008
SB0168-9	AWD-GW-MW304-2008
SB0168-10	AWD-GW-MW401-2008
SB0168-11	AWD-GW-MW402-2008
SB0168-12	AWD-GW-DUP1
SB0168-13	AWD-GW-TB1
SB0196-1	AWD-GW-MW403-2008
SB0196-2	AWD-GW-MW404-2008
SB0196-3	AWD-GW-MW301-2008
SB0196-4	AWD-GW-MW305-2008
SB0196-5	AWD-GW-MW14-2008
SB0196-6	AWD-GW-DUP2
SB0196-7	AWD-GW-TB2
SB0230-1	AWD-SW-SW1-20080111
SB0230-2	AWD-SW-PZ203-200801
SB0230-3	AWD-GW-MW202-200801
SB0230-4	AWD-GW-TB3
SB0230-5	AWD-SW-DUP1

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 CTO426-1 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 SB0168-3 was used for the Matrix Spike (MS) and Matrix Spike Duplicate (MSD), 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 to take corrective action only if the number of spiked analytes in the LCS that are outside of the QC limits is greater than the DoD QSM allowable number of exceedances. The LCS report consists of the full list of spiked analytes, but only the client's list of target analytes are evaluated. 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 LCS WG47570-1 had a recovery for isopropylbenzene that was high and outside of the laboratory established acceptance limits. The DoD QSM allowable number of exceedances for 8 target analytes none. Since this analyte is within the DoD QSM marginal exceedances control limit of 65-135%, the associated samples were not reanalyzed.

The sample with the client ID AWD-GW-MW103-2008 (laboratory ID SB0168-3) exceeds the 19-character limit of the Katahdin Analytical Services' organics forms processing system when appended with the MSD designation. Therefore, the first character ("A") in the client ID for this sample was omitted on all forms for the sample, MS, and MSD analyses.

8015-TPH Analysis

The sample with the client ID AWD-GW-MW103-2008 (laboratory ID SB0168-3) exceeds the 19-character limit of the Katahdin Analytical Services' organics forms processing system when appended with the MSD designation. Therefore, the first character ("A") in the client ID for this sample was omitted on all forms for the sample, MS, and MSD analyses.

Samples SB0168-2, 3, 7, 8, 9, 11, 12, SB0196-1DL, 2, 4, 5, 6, SB0230-1, 3DL, and 5 were manually integrated for TPH and o-terphenyl. 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.

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

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 2.1.08

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: AJC	Sampled By: Client
Project:	KIMS Entry By: DJ	Delivered By: FEDEX
KAS Work Order#: SB0168	KIMS Review By: AJC	Received By: DS
SDG #:	Cooler: 1 of 4	Date/Time Rec.: 1-10-08 1020

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): 2.4
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) 1.6
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

Samples received broken: MW202 - 2 bottles
MW304, MW102, MW104 } 1 bottle each.

Cancel MW202 per Steve Vetone, will recollect.

0000006

Katahdin Analytical Services, Inc. — Sample Receipt Condition Report

Client: Tetra Tech	KAS PM: AJC	Sampled By: Client
Project:	KIMS Entry By: DJ	Delivered By: FEDEX
KAS Work Order#: SB01168	KIMS Review By: [illegible]	Received By: DJ
SDG #:	Cooler: 2 of 4	Date/Time Rec.: 1-10-08 1020

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 4.
3. Chain of Custody signed by client?	X				
4. Chain of Custody matches samples?	X				
5. Temperature Blanks present?	X				Temp (°C): 2.8
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

atahdin Analytical Services, Inc. **Sample Receipt Condition Report**

lient: Tetra Tech	KAS PM: ADC	Sampled By: Client
roject:	KIMS Entry By: DJ	Delivered By: FEDEX
AS Work Order#: SB0168	KIMS Review By: [illegible]	Received By: DJ
DG #:	Cooler: 3 of 4	Date/Time Rec.: 1-10-08 1020

Receipt Criteria	Y	N	EX*	NA	Comments and/or Resolution
. Custody seals present / intact?	X				
. Chain of Custody present in cooler?		X			COC was in cooler 1 of 4.
. Chain of Custody signed by client?	X				
. Chain of Custody matches samples?	X				
. Temperature Blanks present?	X				Temp (°C): 2.3
. Samples received at < 6 °C w/o freezing? Ice or ice packs present? Y or N	X				Cooler temp. (°C): (if no temp blank)
. 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	
. Trip Blank present in cooler?				X	
. 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

0000008

atahdin Analytical Services, Inc. **Sample Receipt Condition Report**

lient: Tetra Tech	KAS PM: AJC	Sampled By: Client
roject:	KIMS Entry By: DJ	Delivered By: FEDEX
AS Work Order#: SB0168	KIMS Review By: ATC	Received By: DJ
DG #:	Cooler: 4 of 4	Date/Time Rec.: 1-10-08 1020

Receipt Criteria	Y	N	EX*	NA	Comments and/or Resolution
. Custody seals present / intact?	X				
. Chain of Custody present in cooler?		X			COC was in cooler 1 of 4.
. Chain of Custody signed by client?	X				
. Chain of Custody matches samples?	X				
. Temperature Blanks present?	X				Temp (°C): 2.5
. Samples received at < 6 °C w/o freezing? (Ice) or ice packs present? (Y) or N	X				Cooler temp. (°C): (if no temp blank)
. 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	
. Trip Blank present in cooler?				X	
. Proper sample containers and volume?	X				
0. Samples within hold time upon receipt?	X				
1. 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	
2. Corrective Action Report Filed?				✓	

Log-In Notes to Exceptions: document any problems with samples or discrepancies or pH adjustments

0000009

Katahdin Analytical Services, Inc.

Sample Receipt Condition Report

Client:	TTNUS	KAS PM:	RC	Sampled By:	Client
Project:	C10426 NLON	KIMS Entry By:	RC	Delivered By:	FEDEX
KAS Work Order#:	SB0196	KIMS Review By:	RC	Received By:	NA
SDG #:	Cooler: 1 of 2			Date/Time Rec.:	1/11/08 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): 1, 2
6. Samples received at < 6 °C w/o freezing? Ice or ice packs present? (Y) or N	✓				Cooler temp. (°C): (if no temp blank)
7. Volatiles free of headspace?	✓				
Aqueous: No bubble larger than a pea					
Soil/Sediment: Received in airtight container?					
Received in methanol?					
Methanol covering soil?					
8. Trip Blank present in cooler?	✓				
9. Proper sample containers and volume?	✓				
10. Samples within hold time upon receipt?	✓				
11. Aqueous samples properly preserved? Metals, COD, NH3, TKN, O/G, phenol, TPO4, N+N, TOC, DRO, TPH – pH <2				✓	
Sulfide - >9					
Cyanide – pH >12					
12. Corrective Action Report Filed?				✓	

* Log-In Notes to Exceptions: document any problems with samples or discrepancies or pH adjustments

0000010

Katahdin Analytical Services, Inc. — Sample Receipt Condition Report

Client:	TTNUS	KAS PM:	AC	Sampled By:	Client
Project:	C70426NLON	KIMS Entry By:	AC	Delivered By:	FEDEX
KAS Work Order#:	SB0196	KIMS Review By:	AC	Received By:	NA
SDG #:	Cooler: 2 of 2			Date/Time Rec.:	1/11/08 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): 2.1
6. Samples received at < 6 °C w/o freezing? Ice or ice packs present? (Y) or N					Cooler temp. (°C): (if no temp blank)
7. Volatiles free of headspace? **Aqueous:** No bubble larger than a pea	✓				
Soil/Sediment: Received in airtight container?					
Received in methanol?					
Methanol covering soil?					
8. Trip Blank present in cooler?		✓			
9. Proper sample containers and volume?	✓				
10. Samples within hold time upon receipt?	✓				
11. Aqueous samples properly preserved? Metals, COD, NH3, TKN, O/G, phenol, TPO4, N+N, TOC, DRO, TPH – pH <2				✓	
Sulfide - >9					
Cyanide – pH >12					
12. Corrective Action Report Filed?				✓	

* Log-In Notes to Exceptions: document any problems with samples or discrepancies or pH adjustments

0000011

Katahdin Analytical Services, Inc. — Sample Receipt Condition Report

Client: Tetra Tech	KAS PM: ASC	Sampled By: Client
Project:	KIMS Entry By: DJ	Delivered By: Fedex
KAS Work Order#: SB0230	KIMS Review By: ATL	Received By: DSW
SDG #:	Cooler: 1 of 1	Date/Time Rec.: 11/12/08 1030

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?	X				
5. Temperature Blanks present?	✓				Temp (°C): 1.3
6. Samples received at < 6 °C w/o freezing? Ice or ice packs present? (Y) or N	✓				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

received one broken vial for AWD-SW-SW1-20080111

received two broken vials for AWD-SW-P2203-20080111

0000012

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: TETRA TECH NUS INC | Contact: STEVE VETERE | Phone #: (978) 474-8444 | Fax #: (617) 474-849

Address: 55 JONSPIN ROAD | City: WILMINGTON | State: MA | Zip Code: 01887

Purchase Order #: C70 426 NLON | Proj. Name / No.: ARROWHEAD NSB-NLON | Katahdin Quote #:

Bill (if different than above): Accounts Payable | Address: 601 Anderson Drive Foster Plaza 7 Pittsburgh PA

Sampler (Print / Sign): Michael Alray / M. Alray | Copies To:

LAB USE ONLY | WORK ORDER #: 3R301108
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.	VOC (Filt. ☐Y ☐N)	CT-ETPH (Filt. ☐Y ☐N)	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N
~~AWD-GW-MW101-200~~ MA 1/8/08	/													
AWD-GW-MW101-20080108	1/8/08/10:30	GW	5	X	X									
AWD-GW-MW102-20080108	1/8/08/11:05		5	X	X									
AWD-GW-MW103-20080108	1/8/08/11:40		15	X	X									
AWD-GW-MW104-20080108	1/8/08/13:10		5	X	X									
AWD-GW-MW201-20080108	1/8/08/14:30		5	X	X									
AWD-GW-MW202-20080108	1/8/08/1500		5	X	X									
AWD-GW-MW302-20080108	1/8/08/17:35		5	X	X									
AWD-GW-MW303-20080108	1/8/08/16:20		5	X	X									
AWD-GW-MW304-20080108	1/8/08/16:35		5	X	X									
AWD-GW-MW401-20080109	1/9/08/9:55		5	X	X									
AWD-GW-MW402-20080109	1/9/08/11:35		5	X	X									
~~AWD-GW-MW403-20080109~~	~~1/9/08/~~		~~5~~	X	X	MA 1/9/08								
~~AWD-GW-MW404-20080109~~	~~1/9/08/~~		~~5~~	X	X	MA 1/9/08								
AWD-GW-DUP1	1/9/08/11:45		5	X	X									
AWD-GW-TB1	1/8/08/0800	LW	~~3~~ 2 MA 1/9/08	X										

COMMENTS
AWD-GW-MW103-20080108 IS A LAB QC SAMPLE

Relinquished By: (Signature)	Date / Time	Received By: (Signature)	Relinquished By: (Signature)	Date / Time	Received By: (Signature)
M. Alray	1/9/08 15:30	1-10-08 1020			
Relinquished By: (Signature)	Date / Time	Received By: (Signature)	Relinquished By: (Signature)	Date / Time	Received By: (Signature)
					0000013

THE TERMS AND CONDITIONS ON THE REVERSE SIDE HEREOF SHALL GOVERN SERVICES EXCEPT WHEN A SIGNED CONTRACTUAL AGREEMENT EXISTS

ORIGINAL

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: TETRA TECH NUS INC
Contact: Steve Veteric
Phone #: (978) 474-8444
Fax #: (978) 474-847[illegible]

Address: 55 JONSPIN ROAD
City: WILMINGTON
State: MA
Zip Code: 01887

Purchase Order #: CTO 426 NLON
Proj. Name / No.: ARROWHEAD NSB - NLON
Katahdin Quote #:

Bill (if different than above): ACCOUNTS PAYABLE
Address: 661 Anderson Drive ~~FOSTER PLAZA 7~~ Pittsburgh PA

Sampler (Print / Sign): Michael Atroy / M Atroy
Copies To: LUCY GRUZMEN

LAB USE ONLY
WORK ORDER #: SB01916
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.	VOC	CT ETPH									
					Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N
	AWD-GW-MW403-20080109	1/9/08/16:10	GW	5	X	X									
	AWD-GW-MW404-20080109	1/9/08/16:50		5	X	X									
	AWD-GW-MW301-20080110	1/10/08/10:30		5	X	X									
	AWD-GW-MW-305-20080110	1/10/08/0930		5	X	X									
	AWD-GW-MW14-20080110	1/10/08/11:10		5	X	X									
	AWD-GW-DUP2	1/10/08/11:15		5	X	X									
	AWD-GW-TB2	1/10/08/0800	LW	2	X										
	~~AWD-SW-SW1-20080110~~	~~1/10/08/~~	~~GW~~	~~5~~	~~X~~	~~X~~	MA	1/10/08							
	~~AWD-SW-PZ203~~	~~1/10/08/~~		~~5~~	~~X~~	~~X~~	MA	1/10/08							
	~~AWD-SW-DUP1~~	~~1/10/08/~~		~~5~~	~~X~~	~~X~~	MA	1/10/08							
		/													
		/													
		/													
		/													
		/													
		/													

COMMENTS: * ~~SAMPLES~~ AWD-GW-MW403-20080109 & AWD-GW-MW404-20080109 are "HOT" samples

Relinquished By: (Signature)	Date / Time	Received By: (Signature)	Relinquished By: (Signature)	Date / Time	Received By: (Signature)
M Atroy	1/10/08 15:30	Mike Adam			
Relinquished By: (Signature)	Date / Time	Received By: (Signature)	Relinquished By: (Signature)	Date / Time	Received By: (Signature)
	1/11/08 10:00				0000014

THE TERMS AND CONDITIONS ON THE REVERSE SIDE HEREOF SHALL GOVERN SERVICES. EXCEPT WHEN A SIGNED CONTRACTUAL AGREEMENT EXISTS

ORIGINAL

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

Client: TETRA TECH NUS INC
Contact: Steve Veteto
Phone #: (978) 474-8444
Fax #: (978) 474-8499
Address: 55 JONSPIN ROAD
City: WILMINGTON
State: MA
Zip Code: 01887
Purchase Order #: CTO 426 NLON
Proj. Name / No.: ARROWOOD NSB-NLON
Katahdin Quote #:
Bill (if different than above): ACCOUNTS PAYABLE
Address: 661 ANDERSON DRIVE FOSTER PLAZA 7, Pittsburgh, PA
Sampler (Print / Sign): Michael Atroy / M. Atroy
Copies To:

LAB USE ONLY
WORK ORDER #: 580230
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.	VOC	CT ETPH	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N
	~~AWD-SW-SW1~~ MA 1/11/08	/	GW	5	X	X										
	AWD-SW-SW1-20080111	1/10/08 / 12:30		5	X	X										
	AWD-SW-PZ203-20080111	1/11/08 / 12:00		5	X	X										
	AWD-GW-MW202-20080111	1/11/08 / 13:30		5	X	X										
	AWD-GW-TB3	1/11/08 / 0800	LW	2	X											
	AWD-SW-DUP1	1/11/08 / 12:10	GW	5	X	X										
		/														
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OMMENTS

Relinquished By: (Signature)	Date / Time	Received By: (Signature)	Relinquished By: (Signature)	Date / Time	Received By: (Signature)
M. Atroy	1/11/08 1400	[signature]			
Relinquished By: (Signature)	Date / Time	Received By: (Signature)	Relinquished By: (Signature)	Date / Time	Received By: (Signature)
					0000015

THE TERMS AND CONDITIONS ON THE REVERSE SIDE HEREOF SHALL GOVERN SERVICES EXCEPT WHEN A SIGNED CONTRACTUAL AGREEMENT EXISTS

ORIGINAL

Katahdin
ANALYTICAL SERVICES

Katahdin Analytical Services

Login Chain of Custody Report (lno1)

Jan. 10, 2008
02:02 PM

Login Number: SB0168

Account: TETRAT001 Web
Tetra Tech NUS, Inc.

Project: TETRAT426001

Primary Report Address:
Lucy Guzman
Tetra Tech NUS
55 Jonspin Road

Wilmington,MA 01887-1020

Primary Invoice Address:
Accounts Payable
Tetra Tech NUS, Inc.
661 Andersen Drive
Foster Plaza 7
Pittsburgh,PA 15220

Report CC Addresses:
Invoice CC Addresses:

Login Information

ANALYSIS INSTRUCTIONS	:	TPH is CT-ETPH. Some sample may have high levels, see comments.
CHECK NO.	:	
CLIENT PO#	:	1000693 25-426
COOLER TEMPERATURE	:	2.4, 2.8, 2.3, 2.5
DELIVERY SERVICES	:	FEDEX
EDD FORMAT	:	KAS087QC-TXT
MAIL DATE	:	
PM	:	AJC
PROJECT NAME	:	CTO 426 NLON
QC LEVEL	:	IV
REGULATORY LIST	:	NFESC
REPORT INSTRUCTIONS	:	Rpt to MDL. Data summary needs all forms. Send hardcopy and 1 CD w/ PDF to Lucy. Send 1 CD w/ PDF & EDD to John Poremba.
SDG ID	:	CTO426-1
SDG STATUS	:	Begin

Laboratory Sample ID	Client Sample Number	Collect Date/Time	Receive Date	PR	Verbal Date	Due Date	Comments
SB0168-1	AWD-GW-MW101-2008	08-JAN-08 10:30	10-JAN-08			31-JAN-08	

Matrix		Product	Hold Date (shortest)	Bottle Type	Bottle Count
Aqueous	S	SW8015M-TPH	15-JAN-08	1L N-Amber Glass	2
Aqueous	S	SW8260-S	22-JAN-08	40mL Vial+HCl	3

Laboratory Sample ID	Client Sample Number	Collect Date/Time	Receive Date	PR	Verbal Date	Due Date	Comments
SB0168-2	AWD-GW-MW102-2008	08-JAN-08 11:05	10-JAN-08			31-JAN-08	May have high levels. Only have 1 CT-ETPH bottle.

Matrix		Product	Hold Date (shortest)	Bottle Type	Bottle Count
Aqueous	S	SW8015M-TPH	15-JAN-08	1L N-Amber Glass	1
Aqueous	S	SW8260-S	22-JAN-08	40mL Vial+HCl	3

Laboratory Sample ID	Client Sample Number	Collect Date/Time	Receive Date	PR	Verbal Date	Due Date	Comments
SB0168-3	AWD-GW-MW103-2008	08-JAN-08 11:40	10-JAN-08			31-JAN-08	MS/MSD

Matrix		Product	Hold Date (shortest)	Bottle Type	Bottle Count
Aqueous	S	SW8015M-TPH	15-JAN-08	1L N-Amber Glass	6
Aqueous	S	SW8260-S	22-JAN-08	40mL Vial+HCl	9

Laboratory Sample ID	Client Sample Number	Collect Date/Time	Receive Date	PR	Verbal Date	Due Date	Comments
SB0168-4	AWD-GW-MW104-2008	08-JAN-08 13:10	10-JAN-08			31-JAN-08	Only have 1 CT-ETPH bottle.

Matrix		Product	Hold Date (shortest)	Bottle Type	Bottle Count
Aqueous	S	SW8015M-TPH	15-JAN-08	1L N-Amber Glass	1
Aqueous	S	SW8260-S	22-JAN-08	40mL Vial+HCl	3

Laboratory Sample ID	Client Sample Number	Collect Date/Time	Receive Date	PR	Verbal Date	Due Date	Comments
SB0168-5	AWD-GW-MW201-2008	08-JAN-08 14:30	10-JAN-08			31-JAN-08	

Matrix		Product	Hold Date (shortest)	Bottle Type	Bottle Count
Aqueous	S	SW8015M-TPH	15-JAN-08	1L N-Amber Glass	2
Aqueous	S	SW8260-S	22-JAN-08	40mL Vial+HCl	3

Laboratory Sample ID	Client Sample Number	Collect Date/Time	Receive Date	PR	Verbal Date	Due Date	Comments
SB0168-7	AWD-GW-MW302-2008	08-JAN-08 17:35	10-JAN-08			31-JAN-08	May have high levels.

Matrix		Product	Hold Date (shortest)	Bottle Type	Bottle Count
Aqueous	S	SW8015M-TPH	15-JAN-08	1L N-Amber Glass	2
Aqueous	S	SW8260-S	22-JAN-08	40mL Vial+HCl	3

Laboratory Sample ID	Client Sample Number	Collect Date/Time	Receive Date	PR	Verbal Date	Due Date	Comments
SB0168-8	AWD-GW-MW303-2008	08-JAN-08 16:20	10-JAN-08			31-JAN-08	May have high levels.

Matrix		Product	Hold Date (shortest)	Bottle Type	Bottle Count
Aqueous	S	SW8015M-TPH	15-JAN-08	1L N-Amber Glass	2
Aqueous	S	SW8260-S	22-JAN-08	40mL Vial+HCl	3

Laboratory Sample ID	Client Sample Number	Collect Date/Time	Receive Date	PR	Verbal Date	Due Date	Comments
SB0168-9	AWD-GW-MW304-2008	08-JAN-08 16:35	10-JAN-08			31-JAN-08	Only have 1 CT-ETPH bottle.

Matrix		Product	Hold Date (shortest)	Bottle Type	Bottle Count
Aqueous	S	SW8015M-TPH	15-JAN-08	1L N-Amber Glass	1
Aqueous	S	SW8260-S	22-JAN-08	40mL Vial+HCl	3

Katahdin
ANALYTICAL SERVICES

Katahdin Analytical Services

Login Chain of Custody Report (lno1)

Jan. 10, 2008
02:02 PM

Login Number: SB0168

Account: TETRAT001 Web
Tetra Tech NUS, Inc.

Project: TETRAT426001

Laboratory Sample ID	Client Sample Number	Collect Date/Time	Receive Date	PR	Verbal Date	Due Date	Comments
SB0168-10	AWD-GW-MW401-2008	09-JAN-08 09:55	10-JAN-08			31-JAN-08	

Matrix		Product	Hold Date (shortest)	Bottle Type	Bottle Count
Aqueous	S	SW8015M-TPH	16-JAN-08	1L N-Amber Glass	2
Aqueous	S	SW8260-S	23-JAN-08	40mL Vial+HCl	3

SB0168-11	AWD-GW-MW402-2008	09-JAN-08 11:35	10-JAN-08			31-JAN-08	May have high levels.

Matrix		Product	Hold Date (shortest)	Bottle Type	Bottle Count
Aqueous	S	SW8015M-TPH	16-JAN-08	1L N-Amber Glass	2
Aqueous	S	SW8260-S	23-JAN-08	40mL Vial+HCl	3

SB0168-12	AWD-GW-DUP1	09-JAN-08 11:45	10-JAN-08			31-JAN-08	

Matrix		Product	Hold Date (shortest)	Bottle Type	Bottle Count
Aqueous	S	SW8015M-TPH	16-JAN-08	1L N-Amber Glass	2
Aqueous	S	SW8260-S	23-JAN-08	40mL Vial+HCl	3

SB0168-13	AWD-GW-TB1	08-JAN-08 08:00	10-JAN-08			31-JAN-08	

Matrix		Product	Hold Date (shortest)	Bottle Type	Bottle Count
Aqueous	S	SW8260-S	22-JAN-08	40mL Vial+HCl	2

***Total Samples:* 12** ***Total Analyses:* 23**

Katahdin ANALYTICAL SERVICES

Katahdin Analytical Services

Login Chain of Custody Report (lno1)

Jan. 11, 2008
10:37 AM

Login Number: SB0196

Account: TETRAT001 Web
Tetra Tech NUS, Inc.

Project: TETRAT426001

Primary Report Address:
Lucy Guzman
Tetra Tech NUS
55 Jonspin Road

Wilmington,MA 01887-1020

Primary Invoice Address:
Accounts Payable
Tetra Tech NUS, Inc.
661 Andersen Drive
Foster Plaza 7
Pittsburgh,PA 15220

Report CC Addresses:
Invoice CC Addresses:

Login Information

ANALYSIS INSTRUCTIONS	:	TPH is CT-ETPH. Some samples may have high levels, see comments.
CHECK NO.	:	
CLIENT PO#	:	1000693 25-426
COOLER TEMPERATURE	:	
DELIVERY SERVICES	:	FEDEX
EDD FORMAT	:	KAS087QC-TXT
MAIL DATE	:	
PM	:	AJC
PROJECT NAME	:	CTO 426 NLON
QC LEVEL	:	IV
REGULATORY LIST	:	NFESC
REPORT INSTRUCTIONS	:	Rpt to MDL. Data summary needs all forms. Send hardcopy and 1 CD w/ PDF & EDD to John Poremba.
SDG ID	:	CTO426-1
SDG STATUS	:	CONT

Laboratory Sample ID	Client Sample Number	Collect Date/Time	Receive Date	PR	Verbal Date	Due Date	Comments
SB0196-1	AWD-GW-MW403-2008	09-JAN-08 16:10	11-JAN-08			30-JAN-08	May have high levels.
Matrix	***Product***	***Hold Date (shortest)***	***Bottle Type***		***Bottle Count***		
Aqueous S	SW8015M-TPH	16-JAN-08	1L N-Amber Glass		2		
Aqueous S	SW8260-S	23-JAN-08	40mL Vial+HCl		3		
SB0196-2	AWD-GW-MW404-2008	09-JAN-08 16:50	11-JAN-08			30-JAN-08	May have high levels.
Matrix	***Product***	***Hold Date (shortest)***	***Bottle Type***		***Bottle Count***		
Aqueous S	SW8015M-TPH	16-JAN-08	1L N-Amber Glass		2		
Aqueous S	SW8260-S	23-JAN-08	40mL Vial+HCl		3		
SB0196-3	AWD-GW-MW301-2008	10-JAN-08 10:30	11-JAN-08			30-JAN-08	
Matrix	***Product***	***Hold Date (shortest)***	***Bottle Type***		***Bottle Count***		
Aqueous S	SW8015M-TPH	17-JAN-08	1L N-Amber Glass		2		
Aqueous S	SW8260-S	24-JAN-08	40mL Vial+HCl		3		
SB0196-4	AWD-GW-MW305-2008	10-JAN-08 09:30	11-JAN-08			30-JAN-08	May have high levels.
Matrix	***Product***	***Hold Date (shortest)***	***Bottle Type***		***Bottle Count***		
Aqueous S	SW8015M-TPH	17-JAN-08	1L N-Amber Glass		2		
Aqueous S	SW8260-S	24-JAN-08	40mL Vial+HCl		3		
SB0196-5	AWD-GW-MW14-2008	10-JAN-08 11:10	11-JAN-08			30-JAN-08	
Matrix	***Product***	***Hold Date (shortest)***	***Bottle Type***		***Bottle Count***		
Aqueous S	SW8015M-TPH	17-JAN-08	1L N-Amber Glass		2		
Aqueous S	SW8260-S	24-JAN-08	40mL Vial+HCl		3		
SB0196-6	AWD-GW-DUP2	10-JAN-08 11:15	11-JAN-08			30-JAN-08	
Matrix	***Product***	***Hold Date (shortest)***	***Bottle Type***		***Bottle Count***		
Aqueous S	SW8015M-TPH	17-JAN-08	1L N-Amber Glass		2		
Aqueous S	SW8260-S	24-JAN-08	40mL Vial+HCl		3		
SB0196-7	AWD-GW-TB2	09-JAN-08 08:00	11-JAN-08			30-JAN-08	
Matrix	***Product***	***Hold Date (shortest)***	***Bottle Type***		***Bottle Count***		
Aqueous S	SW8260-S	23-JAN-08	40mL Vial+HCl		2		

Total Samples: *7* ***Total Analyses:*** *13*

Katahdin
ANALYTICAL SERVICES

Katahdin Analytical Services

Login Chain of Custody Report (lno1)

Jan. 14, 2008
03:32 PM

Login Number: SB0230

Account: TETRAT001 Web
Tetra Tech NUS, Inc.

Project: TETRAT426001

Primary Report Address:
Lucy Guzman
Tetra Tech NUS
55 Jonspin Road

Wilmington,MA 01887-1020

Primary Invoice Address:
Accounts Payable
Tetra Tech NUS, Inc.
661 Andersen Drive
Foster Plaza 7
Pittsburgh,PA 15220

Report CC Addresses:
Invoice CC Addresses:

Login Information

ANALYSIS INSTRUCTIONS	:	TPH is CT-ETPH.
CHECK NO.	:	
CLIENT PO#	:	1000693 25-426
COOLER TEMPERATURE	:	1.3
DELIVERY SERVICES	:	FEDEX
EDD FORMAT	:	KAS087QC-TXT
MAIL DATE	:	
PM	:	AJC
PROJECT NAME	:	CTO 426 NLON
QC LEVEL	:	IV
REGULATORY LIST	:	NFESC
REPORT INSTRUCTIONS	:	Rpt to MDL. Data summary needs all forms. Send hardcopy and 1 CD w/ PDF to Lucy. Send 1 CD w/ PDF & EDD to John Poremba.
SDG ID	:	CTO426-1
SDG STATUS	:	End

Laboratory Sample ID	Client Sample Number	Collect Date/Time	Receive Date	PR	Verbal Date	Due Date	Comments
SB0230-1	AWD-SW-SW1-20080111	10-JAN-08 12:30	12-JAN-08			31-JAN-08	

Matrix		Product	Hold Date (shortest)	Bottle Type	Bottle Count
Aqueous	S	SW8015M-TPH	17-JAN-08	1L N-Amber Glass	2
Aqueous	S	SW8260-S	24-JAN-08	40mL Vial+HCl	3

Laboratory Sample ID	Client Sample Number	Collect Date/Time	Receive Date	PR	Verbal Date	Due Date	Comments
SB0230-2	AWD-SW-PZ203-200801	11-JAN-08 12:00	12-JAN-08			31-JAN-08	

Matrix		Product	Hold Date (shortest)	Bottle Type	Bottle Count
Aqueous	S	SW8015M-TPH	18-JAN-08	1L N-Amber Glass	2
Aqueous	S	SW8260-S	25-JAN-08	40mL Vial+HCl	3

Laboratory Sample ID	Client Sample Number	Collect Date/Time	Receive Date	PR	Verbal Date	Due Date	Comments
SB0230-3	AWD-GW-MW202-200801	11-JAN-08 13:30	12-JAN-08			31-JAN-08	

Matrix		Product	Hold Date (shortest)	Bottle Type	Bottle Count
Aqueous	S	SW8015M-TPH	18-JAN-08	1L N-Amber Glass	2
Aqueous	S	SW8260-S	25-JAN-08	40mL Vial+HCl	3

Laboratory Sample ID	Client Sample Number	Collect Date/Time	Receive Date	PR	Verbal Date	Due Date	Comments
SB0230-4	AWD-GW-TB3	11-JAN-08 08:00	12-JAN-08			31-JAN-08	

Matrix		Product	Hold Date (shortest)	Bottle Type	Bottle Count
Aqueous	S	SW8260-S	25-JAN-08	40mL Vial+HCl	2

Laboratory Sample ID	Client Sample Number	Collect Date/Time	Receive Date	PR	Verbal Date	Due Date	Comments
SB0230-5	AWD-SW-DUP1	11-JAN-08 12:10	12-JAN-08			31-JAN-08	

Matrix		Product	Hold Date (shortest)	Bottle Type	Bottle Count
Aqueous	S	SW8015M-TPH	18-JAN-08	1L N-Amber Glass	2
Aqueous	S	SW8260-S	25-JAN-08	40mL Vial+HCl	3

Total Samples: *5* ***Total Analyses:*** *9*

SAMPLE DATA SUMMARY PACKAGE

KATAHDIN ANALYTICAL SERVICES - ORGANIC DATA QUALIFIERS

U Indicates the compound was analyzed for but not detected above the laboratory Practical Quantitation Limit.

* Compound recovery outside of quality control limits.

D Indicates the result was obtained from analysis of a diluted sample. Surrogate recoveries may not be calculable.

E Estimated value. This flag identifies compounds whose concentrations exceed the upper level of the calibration range of the instrument for that specific analysis.

J Estimated value. The analyte was detected in the sample at a concentration less than the laboratory Practical Quantitation Limit (PQL), but above the Method Detection Limit (MDL).

or

J Used for Pesticide/Aroclor analyte when there is a greater than 40% difference for detected concentrations between the two GC columns.

B Indicates the analyte was detected in the laboratory method blank analyzed concurrently with the sample.

N Presumptive evidence of a compound based on a mass spectral library search.

A Indicates that a tentatively identified compound is a suspected aldol-condensation product.

P Used for Pesticide/Aroclor analyte when there is a greater than 25% difference for detected concentrations between the two GC columns. (for CLP methods only).

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 01/08/08
Received Date: 01/10/08
Extraction Date:
Analysis Date: 16-JAN-2008 20:44
Report Date: 01/30/2008
Matrix: WATER
% Solids: NA

Lab ID: SB0168-1
Client ID: AWD-GW-MW101-2008
SDG: CTO426-1
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG47493
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
1634-04-4	Methyl tert-butyl ether	U	1	1.0	1	1	0.6
71-43-2	Benzene	U	1	1.0	1	1	0.4
108-88-3	Toluene	U	1	1.0	1	1	0.3
100-41-4	Ethylbenzene	U	1	1.0	1	1	0.4
1330-20-7	Xylenes (total)	U	3	1.0	3	3	0.4
	m+p-Xylenes	U	2	1.0	2	2	1.0
95-47-6	o-Xylene	U	1	1.0	1	1	0.4
98-82-8	Isopropylbenzene	U	1	1.0	1	1	0.5
91-20-3	Naphthalene	U	1	1.0	1	1	0.4
1868-53-7	Dibromofluoromethane		89%				
17060-07-0	1,2-Dichloroethane-D4		88%				
2037-26-5	Toluene-D8		87%				
460-00-4	P-Bromofluorobenzene		70%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 01/08/08
Received Date: 01/10/08
Extraction Date:
Analysis Date: 18-JAN-2008 13:15
Report Date: 01/30/2008
Matrix: WATER
% Solids: NA

Lab ID: SB0168-2
Client ID: AWD-GW-MW102-2008
SDG: CTO426-1
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG47570
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
1634-04-4	Methyl tert-butyl ether	U	1	1.0	1	1	0.6
71-43-2	Benzene	U	1	1.0	1	1	0.4
108-88-3	Toluene	U	1	1.0	1	1	0.3
100-41-4	Ethylbenzene	U	1	1.0	1	1	0.4
1330-20-7	Xylenes (total)	U	3	1.0	3	3	0.4
	m+p-Xylenes	U	2	1.0	2	2	1.0
95-47-6	o-Xylene	U	1	1.0	1	1	0.4
98-82-8	Isopropylbenzene		3	1.0	1	1	0.5
91-20-3	Naphthalene	J	0.8	1.0	1	1	0.4
1868-53-7	Dibromofluoromethane		88%				
17060-07-0	1,2-Dichloroethane-D4		93%				
2037-26-5	Toluene-D8		99%				
460-00-4	P-Bromofluorobenzene		91%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 01/08/08
Received Date: 01/10/08
Extraction Date:
Analysis Date: 17-JAN-2008 12:42
Report Date: 01/30/2008
Matrix: WATER
% Solids: NA

Lab ID: SB0168-3
Client ID: WD-GW-MW103-2008
SDG: CTO426-1
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG47521
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
1634-04-4	Methyl tert-butyl ether	U	1	1.0	1	1	0.6
71-43-2	Benzene	U	1	1.0	1	1	0.4
108-88-3	Toluene	U	1	1.0	1	1	0.3
100-41-4	Ethylbenzene	U	1	1.0	1	1	0.4
1330-20-7	Xylenes (total)	U	3	1.0	3	3	0.4
	m+p-Xylenes	U	2	1.0	2	2	1.0
95-47-6	o-Xylene	U	1	1.0	1	1	0.4
98-82-8	Isopropylbenzene	U	1	1.0	1	1	0.5
91-20-3	Naphthalene	U	1	1.0	1	1	0.4
1868-53-7	Dibromofluoromethane		80%				
17060-07-0	1,2-Dichloroethane-D4		90%				
2037-26-5	Toluene-D8		86%				
460-00-4	P-Bromofluorobenzene		83%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 01/08/08
Received Date: 01/10/08
Extraction Date:
Analysis Date: 17-JAN-2008 13:13
Report Date: 01/30/2008
Matrix: WATER
% Solids: NA

Lab ID: SB0168-4
Client ID: AWD-GW-MW104-2008
SDG: CTO426-1
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG47521
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
1634-04-4	Methyl tert-butyl ether	U	1	1.0	1	1	0.6
71-43-2	Benzene	U	1	1.0	1	1	0.4
108-88-3	Toluene	U	1	1.0	1	1	0.3
100-41-4	Ethylbenzene	U	1	1.0	1	1	0.4
1330-20-7	Xylenes (total)	U	3	1.0	3	3	0.4
	m+p-Xylenes	U	2	1.0	2	2	1.0
95-47-6	o-Xylene	U	1	1.0	1	1	0.4
98-82-8	Isopropylbenzene	U	1	1.0	1	1	0.5
91-20-3	Naphthalene	U	1	1.0	1	1	0.4
1868-53-7	Dibromofluoromethane		85%				
17060-07-0	1,2-Dichloroethane-D4		93%				
2037-26-5	Toluene-D8		88%				
460-00-4	P-Bromofluorobenzene		83%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 01/08/08
Received Date: 01/10/08
Extraction Date:
Analysis Date: 17-JAN-2008 13:44
Report Date: 01/30/2008
Matrix: WATER
% Solids: NA

Lab ID: SB0168-5
Client ID: AWD-GW-MW201-2008
SDG: CTO426-1
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG47521
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
1634-04-4	Methyl tert-butyl ether	U	1	1.0	1	1	0.6
71-43-2	Benzene	U	1	1.0	1	1	0.4
108-88-3	Toluene	U	1	1.0	1	1	0.3
100-41-4	Ethylbenzene	U	1	1.0	1	1	0.4
1330-20-7	Xylenes (total)	U	3	1.0	3	3	0.4
	m+p-Xylenes	U	2	1.0	2	2	1.0
95-47-6	o-Xylene	U	1	1.0	1	1	0.4
98-82-8	Isopropylbenzene	U	1	1.0	1	1	0.5
91-20-3	Naphthalene	U	1	1.0	1	1	0.4
1868-53-7	Dibromofluoromethane		85%				
17060-07-0	1,2-Dichloroethane-D4		94%				
2037-26-5	Toluene-D8		85%				
460-00-4	P-Bromofluorobenzene		86%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 01/08/08
Received Date: 01/10/08
Extraction Date:
Analysis Date: 18-JAN-2008 13:46
Report Date: 01/30/2008
Matrix: WATER
% Solids: NA

Lab ID: SB0168-7
Client ID: AWD-GW-MW302-2008
SDG: CTO426-1
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG47570
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
1634-04-4	Methyl tert-butyl ether	U	1	1.0	1	1	0.6
71-43-2	Benzene	U	1	1.0	1	1	0.4
108-88-3	Toluene	U	1	1.0	1	1	0.3
100-41-4	Ethylbenzene	U	1	1.0	1	1	0.4
1330-20-7	Xylenes (total)	U	3	1.0	3	3	0.4
	m+p-Xylenes	U	2	1.0	2	2	1.0
95-47-6	o-Xylene	U	1	1.0	1	1	0.4
98-82-8	Isopropylbenzene	U	1	1.0	1	1	0.5
91-20-3	Naphthalene	U	1	1.0	1	1	0.4
1868-53-7	Dibromofluoromethane		81%				
17060-07-0	1,2-Dichloroethane-D4		91%				
2037-26-5	Toluene-D8		92%				
460-00-4	P-Bromofluorobenzene		90%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 01/08/08
Received Date: 01/10/08
Extraction Date:
Analysis Date: 18-JAN-2008 14:17
Report Date: 01/30/2008
Matrix: WATER
% Solids: NA

Lab ID: SB0168-8
Client ID: AWD-GW-MW303-2008
SDG: CTO426-1
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG47570
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
1634-04-4	Methyl tert-butyl ether	U	1	1.0	1	1	0.6
71-43-2	Benzene	U	1	1.0	1	1	0.4
108-88-3	Toluene	U	1	1.0	1	1	0.3
100-41-4	Ethylbenzene	J	0.5	1.0	1	1	0.4
1330-20-7	Xylenes (total)	J	3	1.0	3	3	0.4
	m+p-Xylenes	J	1	1.0	2	2	1.0
95-47-6	o-Xylene		1	1.0	1	1	0.4
98-82-8	Isopropylbenzene		9	1.0	1	1	0.5
91-20-3	Naphthalene		19	1.0	1	1	0.4
1868-53-7	Dibromofluoromethane		82%				
17060-07-0	1,2-Dichloroethane-D4		89%				
2037-26-5	Toluene-D8		86%				
460-00-4	P-Bromofluorobenzene		91%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 01/08/08
Received Date: 01/10/08
Extraction Date:
Analysis Date: 17-JAN-2008 14:15
Report Date: 01/30/2008
Matrix: WATER
% Solids: NA

Lab ID: SB0168-9
Client ID: AWD-GW-MW304-2008
SDG: CTO426-1
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG47521
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
1634-04-4	Methyl tert-butyl ether	U	1	1.0	1	1	0.6
71-43-2	Benzene	U	1	1.0	1	1	0.4
108-88-3	Toluene	U	1	1.0	1	1	0.3
100-41-4	Ethylbenzene	U	1	1.0	1	1	0.4
1330-20-7	Xylenes (total)	U	3	1.0	3	3	0.4
	m+p-Xylenes	U	2	1.0	2	2	1.0
95-47-6	o-Xylene	U	1	1.0	1	1	0.4
98-82-8	Isopropylbenzene		2	1.0	1	1	0.5
91-20-3	Naphthalene	U	1	1.0	1	1	0.4
1868-53-7	Dibromofluoromethane		82%				
17060-07-0	1,2-Dichloroethane-D4		92%				
2037-26-5	Toluene-D8		90%				
460-00-4	P-Bromofluorobenzene		87%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 01/09/08
Received Date: 01/10/08
Extraction Date:
Analysis Date: 17-JAN-2008 14:46
Report Date: 01/30/2008
Matrix: WATER
% Solids: NA

Lab ID: SB0168-10
Client ID: AWD-GW-MW401-2008
SDG: CTO426-1
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG47521
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
1634-04-4	Methyl tert-butyl ether	U	1	1.0	1	1	0.6
71-43-2	Benzene	U	1	1.0	1	1	0.4
108-88-3	Toluene	U	1	1.0	1	1	0.3
100-41-4	Ethylbenzene	U	1	1.0	1	1	0.4
1330-20-7	Xylenes (total)	U	3	1.0	3	3	0.4
	m+p-Xylenes	U	2	1.0	2	2	1.0
95-47-6	o-Xylene	U	1	1.0	1	1	0.4
98-82-8	Isopropylbenzene	U	1	1.0	1	1	0.5
91-20-3	Naphthalene	U	1	1.0	1	1	0.4
1868-53-7	Dibromofluoromethane		85%				
17060-07-0	1,2-Dichloroethane-D4		95%				
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 426 NLON
PO No:
Sample Date: 01/09/08
Received Date: 01/10/08
Extraction Date:
Analysis Date: 18-JAN-2008 14:48
Report Date: 01/30/2008
Matrix: WATER
% Solids: NA

Lab ID: SB0168-11
Client ID: AWD-GW-MW402-2008
SDG: CTO426-1
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG47570
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
1634-04-4	Methyl tert-butyl ether	U	1	1.0	1	1	0.6
71-43-2	Benzene	U	1	1.0	1	1	0.4
108-88-3	Toluene	U	1	1.0	1	1	0.3
100-41-4	Ethylbenzene	U	1	1.0	1	1	0.4
1330-20-7	Xylenes (total)	J	0.7	1.0	3	3	0.4
	m+p-Xylenes	U	2	1.0	2	2	1.0
95-47-6	o-Xylene	J	0.7	1.0	1	1	0.4
98-82-8	Isopropylbenzene		2	1.0	1	1	0.5
91-20-3	Naphthalene		6	1.0	1	1	0.4
1868-53-7	Dibromofluoromethane		82%				
17060-07-0	1,2-Dichloroethane-D4		87%				
2037-26-5	Toluene-D8		91%				
460-00-4	P-Bromofluorobenzene		91%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 01/09/08
Received Date: 01/10/08
Extraction Date:
Analysis Date: 18-JAN-2008 15:19
Report Date: 01/30/2008
Matrix: WATER
% Solids: NA

Lab ID: SB0168-12
Client ID: AWD-GW-DUP1
SDG: CTO426-1
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG47570
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
1634-04-4	Methyl tert-butyl ether	U	1	1.0	1	1	0.6
71-43-2	Benzene	U	1	1.0	1	1	0.4
108-88-3	Toluene	U	1	1.0	1	1	0.3
100-41-4	Ethylbenzene	U	1	1.0	1	1	0.4
1330-20-7	Xylenes (total)	J	0.7	1.0	3	3	0.4
	m+p-Xylenes	U	2	1.0	2	2	1.0
95-47-6	o-Xylene	J	0.7	1.0	1	1	0.4
98-82-8	Isopropylbenzene		2	1.0	1	1	0.5
91-20-3	Naphthalene		6	1.0	1	1	0.4
1868-53-7	Dibromofluoromethane		82%				
17060-07-0	1,2-Dichloroethane-D4		86%				
2037-26-5	Toluene-D8		86%				
460-00-4	P-Bromofluorobenzene		84%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 01/08/08
Received Date: 01/10/08
Extraction Date:
Analysis Date: 16-JAN-2008 14:17
Report Date: 01/30/2008
Matrix: WATER
% Solids: NA

Lab ID: SB0168-13
Client ID: AWD-GW-TB1
SDG: CTO426-1
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG47493
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
1634-04-4	Methyl tert-butyl ether	U	1	1.0	1	1	0.6
71-43-2	Benzene	U	1	1.0	1	1	0.4
108-88-3	Toluene	U	1	1.0	1	1	0.3
100-41-4	Ethylbenzene	U	1	1.0	1	1	0.4
1330-20-7	Xylenes (total)	U	3	1.0	3	3	0.4
	m+p-Xylenes	U	2	1.0	2	2	1.0
95-47-6	o-Xylene	U	1	1.0	1	1	0.4
98-82-8	Isopropylbenzene	U	1	1.0	1	1	0.5
91-20-3	Naphthalene	U	1	1.0	1	1	0.4
1868-53-7	Dibromofluoromethane		84%				
17060-07-0	1,2-Dichloroethane-D4		80%				
2037-26-5	Toluene-D8		88%				
460-00-4	P-Bromofluorobenzene		85%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 01/09/08
Received Date: 01/11/08
Extraction Date:
Analysis Date: 18-JAN-2008 15:50
Report Date: 01/30/2008
Matrix: WATER
% Solids: NA

Lab ID: SB0196-1
Client ID: AWD-GW-MW403-2008
SDG: CTO426-1
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG47570
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
1634-04-4	Methyl tert-butyl ether	U	1	1.0	1	1	0.6
71-43-2	Benzene		2	1.0	1	1	0.4
108-88-3	Toluene	J	0.8	1.0	1	1	0.3
100-41-4	Ethylbenzene		28	1.0	1	1	0.4
1330-20-7	Xylenes (total)		16	1.0	3	3	0.4
	m+p-Xylenes		10	1.0	2	2	1.0
95-47-6	o-Xylene		6	1.0	1	1	0.4
98-82-8	Isopropylbenzene		10	1.0	1	1	0.5
91-20-3	Naphthalene		53	1.0	1	1	0.4
1868-53-7	Dibromofluoromethane		84%				
17060-07-0	1,2-Dichloroethane-D4		84%				
2037-26-5	Toluene-D8		94%				
460-00-4	P-Bromofluorobenzene		88%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 01/09/08
Received Date: 01/11/08
Extraction Date:
Analysis Date: 18-JAN-2008 16:21
Report Date: 01/30/2008
Matrix: WATER
% Solids: NA

Lab ID: SB0196-2
Client ID: AWD-GW-MW404-2008
SDG: CTO426-1
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG47570
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
1634-04-4	Methyl tert-butyl ether	U	1	1.0	1	1	0.6
71-43-2	Benzene	U	1	1.0	1	1	0.4
108-88-3	Toluene	U	1	1.0	1	1	0.3
100-41-4	Ethylbenzene		2	1.0	1	1	0.4
1330-20-7	Xylenes (total)	U	3	1.0	3	3	0.4
	m+p-Xylenes	U	2	1.0	2	2	1.0
95-47-6	o-Xylene	U	1	1.0	1	1	0.4
98-82-8	Isopropylbenzene		2	1.0	1	1	0.5
91-20-3	Naphthalene		2	1.0	1	1	0.4
1868-53-7	Dibromofluoromethane		80%				
17060-07-0	1,2-Dichloroethane-D4		84%				
2037-26-5	Toluene-D8		92%				
460-00-4	P-Bromofluorobenzene		90%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 01/10/08
Received Date: 01/11/08
Extraction Date:
Analysis Date: 17-JAN-2008 17:52
Report Date: 01/30/2008
Matrix: WATER
% Solids: NA

Lab ID: SB0196-3
Client ID: AWD-GW-MW301-2008
SDG: CTO426-1
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG47521
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
1634-04-4	Methyl tert-butyl ether	U	1	1.0	1	1	0.6
71-43-2	Benzene	U	1	1.0	1	1	0.4
108-88-3	Toluene	U	1	1.0	1	1	0.3
100-41-4	Ethylbenzene	U	1	1.0	1	1	0.4
1330-20-7	Xylenes (total)	U	3	1.0	3	3	0.4
	m+p-Xylenes	U	2	1.0	2	2	1.0
95-47-6	o-Xylene	U	1	1.0	1	1	0.4
98-82-8	Isopropylbenzene	U	1	1.0	1	1	0.5
91-20-3	Naphthalene	U	1	1.0	1	1	0.4
1868-53-7	Dibromofluoromethane		88%				
17060-07-0	1,2-Dichloroethane-D4		100%				
2037-26-5	Toluene-D8		92%				
460-00-4	P-Bromofluorobenzene		89%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 01/10/08
Received Date: 01/11/08
Extraction Date:
Analysis Date: 18-JAN-2008 16:52
Report Date: 01/30/2008
Matrix: WATER
% Solids: NA

Lab ID: SB0196-4
Client ID: AWD-GW-MW305-2008
SDG: CTO426-1
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG47570
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
1634-04-4	Methyl tert-butyl ether	U	1	1.0	1	1	0.6
71-43-2	Benzene	U	1	1.0	1	1	0.4
108-88-3	Toluene	U	1	1.0	1	1	0.3
100-41-4	Ethylbenzene	U	1	1.0	1	1	0.4
1330-20-7	Xylenes (total)	U	3	1.0	3	3	0.4
	m+p-Xylenes	U	2	1.0	2	2	1.0
95-47-6	o-Xylene	U	1	1.0	1	1	0.4
98-82-8	Isopropylbenzene	U	1	1.0	1	1	0.5
91-20-3	Naphthalene	U	1	1.0	1	1	0.4
1868-53-7	Dibromofluoromethane		83%				
17060-07-0	1,2-Dichloroethane-D4		84%				
2037-26-5	Toluene-D8		90%				
460-00-4	P-Bromofluorobenzene		86%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 01/10/08
Received Date: 01/11/08
Extraction Date:
Analysis Date: 17-JAN-2008 18:23
Report Date: 01/30/2008
Matrix: WATER
% Solids: NA

Lab ID: SB0196-5
Client ID: AWD-GW-MW14-2008
SDG: CTO426-1
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG47521
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
1634-04-4	Methyl tert-butyl ether	U	1	1.0	1	1	0.6
71-43-2	Benzene	U	1	1.0	1	1	0.4
108-88-3	Toluene	U	1	1.0	1	1	0.3
100-41-4	Ethylbenzene	U	1	1.0	1	1	0.4
1330-20-7	Xylenes (total)	J	0.4	1.0	3	3	0.4
	m+p-Xylenes	U	2	1.0	2	2	1.0
95-47-6	o-Xylene	J	0.4	1.0	1	1	0.4
98-82-8	Isopropylbenzene		3	1.0	1	1	0.5
91-20-3	Naphthalene	J	0.7	1.0	1	1	0.4
1868-53-7	Dibromofluoromethane		85%				
17060-07-0	1,2-Dichloroethane-D4		101%				
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 426 NLON
PO No:
Sample Date: 01/10/08
Received Date: 01/11/08
Extraction Date:
Analysis Date: 17-JAN-2008 18:54
Report Date: 01/30/2008
Matrix: WATER
% Solids: NA

Lab ID: SB0196-6
Client ID: AWD-GW-DUP2
SDG: CTO426-1
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG47521
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
1634-04-4	Methyl tert-butyl ether	U	1	1.0	1	1	0.6
71-43-2	Benzene	U	1	1.0	1	1	0.4
108-88-3	Toluene	U	1	1.0	1	1	0.3
100-41-4	Ethylbenzene	U	1	1.0	1	1	0.4
1330-20-7	Xylenes (total)	U	3	1.0	3	3	0.4
	m+p-Xylenes	U	2	1.0	2	2	1.0
95-47-6	o-Xylene	U	1	1.0	1	1	0.4
98-82-8	Isopropylbenzene		3	1.0	1	1	0.5
91-20-3	Naphthalene	J	0.6	1.0	1	1	0.4
1868-53-7	Dibromofluoromethane		89%				
17060-07-0	1,2-Dichloroethane-D4		105%				
2037-26-5	Toluene-D8		91%				
460-00-4	P-Bromofluorobenzene		87%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 01/09/08
Received Date: 01/11/08
Extraction Date:
Analysis Date: 17-JAN-2008 11:09
Report Date: 01/30/2008
Matrix: WATER
% Solids: NA

Lab ID: SB0196-7
Client ID: AWD-GW-TB2
SDG: CTO426-1
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG47521
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
1634-04-4	Methyl tert-butyl ether	U	1	1.0	1	1	0.6
71-43-2	Benzene	U	1	1.0	1	1	0.4
108-88-3	Toluene	U	1	1.0	1	1	0.3
100-41-4	Ethylbenzene	U	1	1.0	1	1	0.4
1330-20-7	Xylenes (total)	U	3	1.0	3	3	0.4
	m+p-Xylenes	U	2	1.0	2	2	1.0
95-47-6	o-Xylene	U	1	1.0	1	1	0.4
98-82-8	Isopropylbenzene	U	1	1.0	1	1	0.5
91-20-3	Naphthalene	U	1	1.0	1	1	0.4
1868-53-7	Dibromofluoromethane		83%				
17060-07-0	1,2-Dichloroethane-D4		92%				
2037-26-5	Toluene-D8		98%				
460-00-4	P-Bromofluorobenzene		92%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 01/10/08
Received Date: 01/12/08
Extraction Date:
Analysis Date: 21-JAN-2008 17:52
Report Date: 01/30/2008
Matrix: WATER
% Solids: NA

Lab ID: SB0230-1
Client ID: AWD-SW-SW1-20080111
SDG: CTO426-1
Extracted by:
Extraction Method: SW846 5030
Analyst: JSS
Analysis Method: SW846 8260B
Lab Prep Batch: WG47623
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
1634-04-4	Methyl tert-butyl ether	U	1	1.0	1	1	0.6
71-43-2	Benzene	U	1	1.0	1	1	0.4
108-88-3	Toluene	U	1	1.0	1	1	0.3
100-41-4	Ethylbenzene	U	1	1.0	1	1	0.4
1330-20-7	Xylenes (total)	U	3	1.0	3	3	0.4
	m+p-Xylenes	U	2	1.0	2	2	1.0
95-47-6	o-Xylene	U	1	1.0	1	1	0.4
98-82-8	Isopropylbenzene	U	1	1.0	1	1	0.5
91-20-3	Naphthalene	U	1	1.0	1	1	0.4
1868-53-7	Dibromofluoromethane		102%				
17060-07-0	1,2-Dichloroethane-D4		106%				
2037-26-5	Toluene-D8		103%				
460-00-4	P-Bromofluorobenzene		100%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 01/11/08
Received Date: 01/12/08
Extraction Date:
Analysis Date: 21-JAN-2008 18:23
Report Date: 01/30/2008
Matrix: WATER
% Solids: NA

Lab ID: SB0230-2
Client ID: AWD-SW-PZ203-200801
SDG: CTO426-1
Extracted by:
Extraction Method: SW846 5030
Analyst: JSS
Analysis Method: SW846 8260B
Lab Prep Batch: WG47623
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
1634-04-4	Methyl tert-butyl ether	U	1	1.0	1	1	0.6
71-43-2	Benzene	U	1	1.0	1	1	0.4
108-88-3	Toluene	U	1	1.0	1	1	0.3
100-41-4	Ethylbenzene	U	1	1.0	1	1	0.4
1330-20-7	Xylenes (total)	U	3	1.0	3	3	0.4
	m+p-Xylenes	U	2	1.0	2	2	1.0
95-47-6	o-Xylene	U	1	1.0	1	1	0.4
98-82-8	Isopropylbenzene	U	1	1.0	1	1	0.5
91-20-3	Naphthalene	U	1	1.0	1	1	0.4
1868-53-7	Dibromofluoromethane		101%				
17060-07-0	1,2-Dichloroethane-D4		108%				
2037-26-5	Toluene-D8		98%				
460-00-4	P-Bromofluorobenzene		95%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 01/11/08
Received Date: 01/12/08
Extraction Date:
Analysis Date: 21-JAN-2008 18:54
Report Date: 01/30/2008
Matrix: WATER
% Solids: NA

Lab ID: SB0230-3
Client ID: AWD-GW-MW202-200801
SDG: CTO426-1
Extracted by:
Extraction Method: SW846 5030
Analyst: JSS
Analysis Method: SW846 8260B
Lab Prep Batch: WG47623
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
1634-04-4	Methyl tert-butyl ether	U	1	1.0	1	1	0.6
71-43-2	Benzene	U	1	1.0	1	1	0.4
108-88-3	Toluene	U	1	1.0	1	1	0.3
100-41-4	Ethylbenzene	J	0.6	1.0	1	1	0.4
1330-20-7	Xylenes (total)	U	3	1.0	3	3	0.4
	m+p-Xylenes	U	2	1.0	2	2	1.0
95-47-6	o-Xylene	U	1	1.0	1	1	0.4
98-82-8	Isopropylbenzene		1	1.0	1	1	0.5
91-20-3	Naphthalene	U	1	1.0	1	1	0.4
1868-53-7	Dibromofluoromethane		106%				
17060-07-0	1,2-Dichloroethane-D4		108%				
2037-26-5	Toluene-D8		99%				
460-00-4	P-Bromofluorobenzene		91%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 01/11/08
Received Date: 01/12/08
Extraction Date:
Analysis Date: 21-JAN-2008 15:49
Report Date: 01/30/2008
Matrix: WATER
% Solids: NA

Lab ID: SB0230-4
Client ID: AWD-GW-TB3
SDG: CTO426-1
Extracted by:
Extraction Method: SW846 5030
Analyst: JSS
Analysis Method: SW846 8260B
Lab Prep Batch: WG47623
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
1634-04-4	Methyl tert-butyl ether	U	1	1.0	1	1	0.6
71-43-2	Benzene	U	1	1.0	1	1	0.4
108-88-3	Toluene	U	1	1.0	1	1	0.3
100-41-4	Ethylbenzene	U	1	1.0	1	1	0.4
1330-20-7	Xylenes (total)	U	3	1.0	3	3	0.4
	m+p-Xylenes	U	2	1.0	2	2	1.0
95-47-6	o-Xylene	U	1	1.0	1	1	0.4
98-82-8	Isopropylbenzene	U	1	1.0	1	1	0.5
91-20-3	Naphthalene	U	1	1.0	1	1	0.4
1868-53-7	Dibromofluoromethane		100%				
17060-07-0	1,2-Dichloroethane-D4		101%				
2037-26-5	Toluene-D8		93%				
460-00-4	P-Bromofluorobenzene		94%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 01/11/08
Received Date: 01/12/08
Extraction Date:
Analysis Date: 21-JAN-2008 19:25
Report Date: 01/30/2008
Matrix: WATER
% Solids: NA

Lab ID: SB0230-5
Client ID: AWD-SW-DUP1
SDG: CTO426-1
Extracted by:
Extraction Method: SW846 5030
Analyst: JSS
Analysis Method: SW846 8260B
Lab Prep Batch: WG47623
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
1634-04-4	Methyl tert-butyl ether	U	1	1.0	1	1	0.6
71-43-2	Benzene	U	1	1.0	1	1	0.4
108-88-3	Toluene	U	1	1.0	1	1	0.3
100-41-4	Ethylbenzene	U	1	1.0	1	1	0.4
1330-20-7	Xylenes (total)	U	3	1.0	3	3	0.4
	m+p-Xylenes	U	2	1.0	2	2	1.0
95-47-6	o-Xylene	U	1	1.0	1	1	0.4
98-82-8	Isopropylbenzene	U	1	1.0	1	1	0.5
91-20-3	Naphthalene	U	1	1.0	1	1	0.4
1868-53-7	Dibromofluoromethane		103%				
17060-07-0	1,2-Dichloroethane-D4		112%				
2037-26-5	Toluene-D8		98%				
460-00-4	P-Bromofluorobenzene		98%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client:
Project: CTO 426 NLON
PO No:
Sample Date:
Received Date:
Extraction Date:
Analysis Date: 21-JAN-2008 15:18
Report Date: 01/30/2008
Matrix: WATER
% Solids: NA

Lab ID: WG47623-2
Client ID: WG47623-Blank
SDG: CTO426-1
Extracted by:
Extraction Method: SW846 5030
Analyst: JSS
Analysis Method: SW846 8260B
Lab Prep Batch: WG47623
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
1634-04-4	Methyl tert-butyl ether	U	1	1.0	1	1	0.6
71-43-2	Benzene	U	1	1.0	1	1	0.4
108-88-3	Toluene	U	1	1.0	1	1	0.3
100-41-4	Ethylbenzene	U	1	1.0	1	1	0.4
1330-20-7	Xylenes (total)	U	3	1.0	3	3	0.4
	m+p-Xylenes	U	2	1.0	2	2	1.0
95-47-6	o-Xylene	U	1	1.0	1	1	0.4
98-82-8	Isopropylbenzene	U	1	1.0	1	1	0.5
91-20-3	Naphthalene	U	1	1.0	1	1	0.4
1868-53-7	Dibromofluoromethane		99%				
17060-07-0	1,2-Dichloroethane-D4		96%				
2037-26-5	Toluene-D8		98%				
460-00-4	P-Bromofluorobenzene		92%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client:
Project: CTO 426 NLON
PO No:
Sample Date:
Received Date:
Extraction Date:
Analysis Date: 17-JAN-2008 10:28
Report Date: 01/30/2008
Matrix: WATER
% Solids: NA

Lab ID: WG47521-2
Client ID: WG47521-Blank
SDG: CTO426-1
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG47521
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
1634-04-4	Methyl tert-butyl ether	U	1	1.0	1	1	0.6
71-43-2	Benzene	U	1	1.0	1	1	0.4
108-88-3	Toluene	U	1	1.0	1	1	0.3
100-41-4	Ethylbenzene	U	1	1.0	1	1	0.4
1330-20-7	Xylenes (total)	U	3	1.0	3	3	0.4
	m+p-Xylenes	U	2	1.0	2	2	1.0
95-47-6	o-Xylene	U	1	1.0	1	1	0.4
98-82-8	Isopropylbenzene	U	1	1.0	1	1	0.5
91-20-3	Naphthalene	U	1	1.0	1	1	0.4
1868-53-7	Dibromofluoromethane		82%				
17060-07-0	1,2-Dichloroethane-D4		87%				
2037-26-5	Toluene-D8		92%				
460-00-4	P-Bromofluorobenzene		88%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client:
Project: CTO 426 NLON
PO No:
Sample Date:
Received Date:
Extraction Date:
Analysis Date: 16-JAN-2008 13:35
Report Date: 01/30/2008
Matrix: WATER
% Solids: NA

Lab ID: WG47493-2
Client ID: WG47493-Blank
SDG: CTO426-1
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG47493
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
1634-04-4	Methyl tert-butyl ether	U	1	1.0	1	1	0.6
71-43-2	Benzene	U	1	1.0	1	1	0.4
108-88-3	Toluene	U	1	1.0	1	1	0.3
100-41-4	Ethylbenzene	U	1	1.0	1	1	0.4
1330-20-7	Xylenes (total)	U	3	1.0	3	3	0.4
	m+p-Xylenes	U	2	1.0	2	2	1.0
95-47-6	o-Xylene	U	1	1.0	1	1	0.4
98-82-8	Isopropylbenzene	U	1	1.0	1	1	0.5
91-20-3	Naphthalene	U	1	1.0	1	1	0.4
1868-53-7	Dibromofluoromethane		87%				
17060-07-0	1,2-Dichloroethane-D4		80%				
2037-26-5	Toluene-D8		93%				
460-00-4	P-Bromofluorobenzene		72%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client:
Project: CTO 426 NLON
PO No:
Sample Date:
Received Date:
Extraction Date:
Analysis Date: 18-JAN-2008 12:31
Report Date: 01/30/2008
Matrix: WATER
% Solids: NA

Lab ID: WG47570-2
Client ID: WG47570-Blank
SDG: CTO426-1
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG47570
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
1634-04-4	Methyl tert-butyl ether	U	1	1.0	1	1	0.6
71-43-2	Benzene	U	1	1.0	1	1	0.4
108-88-3	Toluene	U	1	1.0	1	1	0.3
100-41-4	Ethylbenzene	U	1	1.0	1	1	0.4
1330-20-7	Xylenes (total)	U	3	1.0	3	3	0.4
	m+p-Xylenes	U	2	1.0	2	2	1.0
95-47-6	o-Xylene	U	1	1.0	1	1	0.4
98-82-8	Isopropylbenzene	U	1	1.0	1	1	0.5
91-20-3	Naphthalene	U	1	1.0	1	1	0.4
1868-53-7	Dibromofluoromethane		83%				
17060-07-0	1,2-Dichloroethane-D4		89%				
2037-26-5	Toluene-D8		97%				
460-00-4	P-Bromofluorobenzene		91%				

FORM 2
WATER VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 426 NLON SDG No.: CTO426-1

	CLIENT SAMPLE ID	LAB SAMPLE ID	SMC1 DBF#	SMC2 DCA#	SMC3 TOL#	SMC4 BFB#	TOT OUT
01	WG47493-LCS	WG47493-1	83	76	88	71	0
02	WG47493-BLANK	WG47493-2	87	80	93	72	0
03	AWD-GW-TB1	SB0168-13	84	80	88	85	0
04	AWD-GW-MW101-2008	SB0168-1	89	88	87	70	0
05	WG47521-LCS	WG47521-1	81	85	89	84	0
06	WG47521-BLANK	WG47521-2	82	87	92	88	0
07	AWD-GW-TB2	SB0196-7	83	92	98	92	0
08	WD-GW-MW103-2008	SB0168-3	80	90	86	83	0
09	AWD-GW-MW104-2008	SB0168-4	85	93	88	83	0
10	AWD-GW-MW201-2008	SB0168-5	85	94	85	86	0
11	AWD-GW-MW304-2008	SB0168-9	82	92	90	87	0
12	AWD-GW-MW401-2008	SB0168-10	85	95	91	92	0
13	AWD-GW-MW301-2008	SB0196-3	88	100	92	89	0
14	AWD-GW-MW14-2008	SB0196-5	85	101	91	92	0
15	AWD-GW-DUP2	SB0196-6	89	105	91	87	0
16	WD-GW-MW103-2008MS	WG47521-3	86	97	90	92	0
17	WD-GW-MW103-2008MSD	WG47521-4	83	92	88	89	0
18	WG47570-LCS	WG47570-1	80	86	85	91	0
19	WG47570-BLANK	WG47570-2	83	89	97	91	0
20	AWD-GW-MW102-2008	SB0168-2	88	93	99	91	0
21	AWD-GW-MW302-2008	SB0168-7	81	91	92	90	0
22	AWD-GW-MW303-2008	SB0168-8	82	89	86	91	0
23	AWD-GW-MW402-2008	SB0168-11	82	87	91	91	0
24	AWD-GW-DUP1	SB0168-12	82	86	86	84	0
25	AWD-GW-MW403-2008	SB0196-1	84	84	94	88	0
26	AWD-GW-MW404-2008	SB0196-2	80	84	92	90	0
27	AWD-GW-MW305-2008	SB0196-4	83	84	90	86	0
28	WG47623-LCS	WG47623-1	93	94	95	92	0

		QC LIMITS
SMC1 (DBF)	= Dibromofluoromethane	(76-114)
SMC2 (DCA)	= 1,2-Dichloroethane-D4	(71-128)
SMC3 (TOL)	= Toluene-D8	(74-117)
SMC4 (BFB)	= P-Bromofluorobenzene	(67-127)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D System Monitoring Compound diluted out

FORM 2
WATER VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 426 NLON SDG No.: CTO426-1

	CLIENT SAMPLE ID	LAB SAMPLE ID	SMC1 DBF#	SMC2 DCA#	SMC3 TOL#	SMC4 BFB#	TOT OUT
01	WG47623-BLANK	WG47623-2	99	96	98	92	0
02	AWD-GW-TB3	SB0230-4	100	101	93	94	0
03	AWD-SW-SW1-20080111	SB0230-1	102	106	103	100	0
04	AWD-SW-PZ203-200801	SB0230-2	101	108	98	95	0
05	AWD-GW-MW202-200801	SB0230-3	106	108	99	91	0
06	AWD-SW-DUP1	SB0230-5	103	112	98	98	0
07							
08							
09							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							
23							
24							
25							
26							
27							
28							

		QC LIMITS
SMC1 (DBF)	= Dibromofluoromethane	(76-114)
SMC2 (DCA)	= 1,2-Dichloroethane-D4	(71-128)
SMC3 (TOL)	= Toluene-D8	(74-117)
SMC4 (BFB)	= P-Bromofluorobenzene	(67-127)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D System Monitoring Compound diluted out

KATAHDIN ANALYTICAL SERVICES
LAB CONTROL SAMPLE

Client:
Project: CTO 426 NLON
PO No:
Sample Date:
Received Date:
Extraction Date:
Analysis Date: 01/17/08
Report Date: 01/30/2008
Matrix: WATER

Lab ID: WG47521-1
Client ID: WG47521-LCS
SDG: CTO426-1
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG47521
Units: ug/l

COMPOUND	LCS SPIKE	SAMPLE CONC.	LCS CONC.	%REC.	QC. LIMITS
Dichlorodifluoromethane	50	NA	71	143	20-143
Chloromethane	50	NA	59	118	34-132
Vinyl chloride	50	NA	59	119	48-136
Bromomethane	50	NA	54	108	52-129
Chloroethane	50	NA	63	126	43-146
Trichlorofluoromethane	50	NA	56	112	62-157
Diethyl Ether	50	NA	52	104	74-141
Tertiary-butyl alcohol	250	NA	254	102	10-152
1,1-Dichloroethene	50	NA	55	110	64-126
Carbon Disulfide	50	NA	56	111	59-136
Freon-113	50	NA	57	115	78-140
Iodomethane	50	NA	48	95	54-107
Acrolein	250	NA	258	103	42-156
Methylene Chloride	50	NA	53	106	63-122
Acetone	50	NA	46	91	15-160
Isobutyl Alcohol	1000	NA	1010	101	10-169
trans-1,2-Dichloroethene	50	NA	58	116	65-128
Allyl Chloride	50	NA	52	105	64-150
Methyl tert-butyl ether	100	NA	111	111	71-140
Acetonitrile	500	NA	551	110	40-164
Di-isopropyl ether	50	NA	50	101	77-135
Chloroprene	50	NA	52	105	82-133
Methacrylonitrile	500	NA	495	99	69-146
Propionitrile	500	NA	527	105	51-161
1,1-Dichloroethane	50	NA	54	108	74-135
Acrylonitrile	250	NA	259	104	67-144
Ethyl tertiary-butyl ether	50	NA	53	107	79-136
Vinyl Acetate	50	NA	53	107	57-139
cis-1,2-Dichloroethene	50	NA	54	107	75-117
1,2-Dichloroethylene (total)	100	NA	112	112	72-121
Methyl Methacrylate	50	NA	55	109	71-136
2,2-Dichloropropane	50	NA	52	104	55-140
Bromochloromethane	50	NA	57	114	80-132
Chloroform	50	NA	55	110	80-125
Carbon Tetrachloride	50	NA	54	109	76-123
Tetrahydrofuran	50	NA	51	103	38-157
1,1,1-Trichloroethane	50	NA	53	107	79-125
1,1-Dichloropropene	50	NA	51	103	80-125
2-Butanone	50	NA	53	105	45-184
Benzene	50	NA	54	108	71-125
Cyclohexane	50	NA	53	106	57-128
Ethyl Methacrylate	50	NA	50	100	73-134
Tertiary-amyl methyl ether	50	NA	51	102	78-133
1,2-Dichloroethane	50	NA	50	100	75-125
Trichloroethene	50	NA	52	103	78-118

KATAHDIN ANALYTICAL SERVICES
LAB CONTROL SAMPLE

Client:
Project: CTO 426 NLON
PO No:
Sample Date:
Received Date:
Extraction Date:
Analysis Date: 01/17/08
Report Date: 01/30/2008
Matrix: WATER

Lab ID: WG47521-1
Client ID: WG47521-LCS
SDG: CTO426-1
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG47521
Units: ug/l

COMPOUND	LCS SPIKE	SAMPLE CONC.	LCS CONC.		%REC.	QC. LIMITS
Dibromomethane	50	NA	52		104	73-125
1,2-Dichloropropane	50	NA	49		97	78-127
Bromodichloromethane	50	NA	50		101	76-118
cis-1,3-dichloropropene	50	NA	55		110	84-125
1,4-Dioxane	1000	NA	628		63	10-178
2-Chloroethylvinylether	50	NA	94		188	20-191
Toluene	50	NA	56		112	79-118
4-methyl-2-pentanone	50	NA	56		112	44-157
Tetrachloroethene	50	NA	51		102	71-137
trans-1,3-Dichloropropene	50	NA	56		113	89-137
1,1,2-Trichloroethane	50	NA	50		99	76-125
Dibromochloromethane	50	NA	53		107	77-119
1,3-Dichloropropane	50	NA	52		105	79-122
1,2-Dibromoethane	50	NA	51		103	78-124
2-Hexanone	50	NA	55		110	27-182
Chlorobenzene	50	NA	51		103	81-118
Ethylbenzene	50	NA	51		102	80-115
1,1,1,2-Tetrachloroethane	50	NA	56		112	79-118
Xylenes (total)	150	NA	162		108	85-114
m+p-Xylenes	100	NA	108		108	87-113
o-Xylene	50	NA	54		109	80-118
Styrene	50	NA	54		109	81-116
Bromoform	50	NA	55		110	69-129
Isopropylbenzene	50	NA	64		128	87-129
cis-1,4-Dichloro-2-Butene	50	NA	55		109	60-133
trans-1,4-Dichloro-2-Butene	50	NA	54		107	67-134
Bromobenzene	50	NA	53		106	83-112
N-Propylbenzene	50	NA	55		111	79-121
1,1,2,2-Tetrachloroethane	50	NA	50		100	68-133
1,3,5-Trimethylbenzene	50	NA	60	*	119	80-117
2-Chlorotoluene	50	NA	54		108	86-113
1,2,3-Trichloropropane	50	NA	51		102	63-133
4-Chlorotoluene	50	NA	55		109	84-117
tert-Butylbenzene	50	NA	56		112	78-122
Pentachloroethane	50	NA	50		101	64-135
1,2,4-Trimethylbenzene	50	NA	53		106	78-116
P-Isopropyltoluene	50	NA	57		115	79-123
1,3-Dichlorobenzene	50	NA	55		111	86-111
1,4-Dichlorobenzene	50	NA	57		113	78-118
N-Butylbenzene	50	NA	56		112	76-119
sec-Butylbenzene	50	NA	56		112	77-121
1,2-Dichlorobenzene	50	NA	56		113	86-113
1,2-Dibromo-3-Chloropropane	50	NA	50		99	63-133
1,3,5-Trichlorobenzene	50	NA	52		105	84-118
Hexachlorobutadiene	50	NA	52		103	70-114

KATAHDIN ANALYTICAL SERVICES
LAB CONTROL SAMPLE

Client:
Project: CTO 426 NLON
PO No:
Sample Date:
Received Date:
Extraction Date:
Analysis Date: 01/17/08
Report Date: 01/30/2008
Matrix: WATER

Lab ID: WG47521-1
Client ID: WG47521-LCS
SDG: CTO426-1
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG47521
Units: ug/l

COMPOUND	LCS SPIKE	SAMPLE CONC.	LCS CONC.	%REC.	QC. LIMITS
1,2,4-Trichlorobenzene	50	NA	54	108	74-116
1,2,3-Trimethylbenzene	50	NA	56	113	85-124
Naphthalene	50	NA	50	101	64-121
1,2,3-Trichlorobenzene	50	NA	51	101	73-117
Methyl Acetate	50	NA	52	105	52-142
Methylcyclohexane	50	NA	60	121	83-125
1-Chlorohexane	50	NA	58	116	78-128
Total Alkylbenzenes	350	NA	394	112	60-140

KATAHDIN ANALYTICAL SERVICES
LAB CONTROL SAMPLE

Client:
Project: CTO 426 NLON
PO No:
Sample Date:
Received Date:
Extraction Date:
Analysis Date: 01/18/08
Report Date: 01/30/2008
Matrix: WATER

Lab ID: WG47570-1
Client ID: WG47570-LCS
SDG: CTO426-1
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG47570
Units: ug/l

COMPOUND	LCS SPIKE	SAMPLE CONC.	LCS CONC.	%REC.	QC. LIMITS
Dichlorodifluoromethane	50	NA	61	122	20-143
Chloromethane	50	NA	50	100	34-132
Vinyl chloride	50	NA	55	110	48-136
Bromomethane	50	NA	49	97	52-129
Chloroethane	50	NA	55	109	43-146
Trichlorofluoromethane	50	NA	51	103	62-157
Diethyl Ether	50	NA	47	94	74-141
Tertiary-butyl alcohol	250	NA	239	96	10-152
1,1-Dichloroethene	50	NA	49	97	64-126
Carbon Disulfide	50	NA	49	97	59-136
Freon-113	50	NA	52	103	78-140
Iodomethane	50	NA	41	83	54-107
Acrolein	250	NA	228	91	42-156
Methylene Chloride	50	NA	47	94	63-122
Acetone	50	NA	43	86	15-160
Isobutyl Alcohol	1000	NA	994	99	10-169
trans-1,2-Dichloroethene	50	NA	51	103	65-128
Allyl Chloride	50	NA	47	94	64-150
Methyl tert-butyl ether	100	NA	97	97	71-140
Acetonitrile	500	NA	481	96	40-164
Di-isopropyl ether	50	NA	42	84	77-135
Chloroprene	50	NA	45	90	82-133
Methacrylonitrile	500	NA	434	87	69-146
Propionitrile	500	NA	466	93	51-161
1,1-Dichloroethane	50	NA	46	92	74-135
Acrylonitrile	250	NA	229	92	67-144
Ethyl tertiary-butyl ether	50	NA	44	89	79-136
Vinyl Acetate	50	NA	49	99	57-139
cis-1,2-Dichloroethene	50	NA	44	88	75-117
1,2-Dichloroethylene (total)	100	NA	96	96	72-121
Methyl Methacrylate	50	NA	47	94	71-136
2,2-Dichloropropane	50	NA	48	95	55-140
Bromochloromethane	50	NA	48	97	80-132
Chloroform	50	NA	48	96	80-125
Carbon Tetrachloride	50	NA	52	104	76-123
Tetrahydrofuran	50	NA	46	92	38-157
1,1,1-Trichloroethane	50	NA	48	96	79-125
1,1-Dichloropropene	50	NA	49	98	80-125
2-Butanone	50	NA	43	86	45-184
Benzene	50	NA	48	97	71-125
Cyclohexane	50	NA	45	90	57-128
Ethyl Methacrylate	50	NA	49	99	73-134
Tertiary-amyl methyl ether	50	NA	45	90	78-133
1,2-Dichloroethane	50	NA	49	97	75-125
Trichloroethene	50	NA	47	94	78-118

KATAHDIN ANALYTICAL SERVICES
LAB CONTROL SAMPLE

Client:
Project: CTO 426 NLON
PO No:
Sample Date:
Received Date:
Extraction Date:
Analysis Date: 01/18/08
Report Date: 01/30/2008
Matrix: WATER

Lab ID: WG47570-1
Client ID: WG47570-LCS
SDG: CTO426-1
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG47570
Units: ug/l

COMPOUND	LCS SPIKE	SAMPLE CONC.	LCS CONC.	%REC.	QC. LIMITS
Dibromomethane	50	NA	50	99	73-125
1,2-Dichloropropane	50	NA	47	94	78-127
Bromodichloromethane	50	NA	47	94	76-118
cis-1,3-dichloropropene	50	NA	53	107	84-125
1,4-Dioxane	1000	NA	605	60	10-178
2-Chloroethylvinylether	50	NA	89	179	20-191
Toluene	50	NA	51	102	79-118
4-methyl-2-pentanone	50	NA	51	102	44-157
Tetrachloroethene	50	NA	44	87	71-137
trans-1,3-Dichloropropene	50	NA	57	114	89-137
1,1,2-Trichloroethane	50	NA	47	95	76-125
Dibromochloromethane	50	NA	49	97	77-119
1,3-Dichloropropane	50	NA	46	93	79-122
1,2-Dibromoethane	50	NA	47	94	78-124
2-Hexanone	50	NA	48	95	27-182
Chlorobenzene	50	NA	50	99	81-118
Ethylbenzene	50	NA	47	94	80-115
1,1,1,2-Tetrachloroethane	50	NA	50	99	79-118
Xylenes (total)	150	NA	145	97	85-114
m+p-Xylenes	100	NA	97	97	87-113
o-Xylene	50	NA	48	96	80-118
Styrene	50	NA	49	98	81-116
Bromoform	50	NA	50	99	69-129
Isopropylbenzene	50	NA	66	* 131	87-129
cis-1,4-Dichloro-2-Butene	50	NA	46	93	60-133
trans-1,4-Dichloro-2-Butene	50	NA	49	97	67-134
Bromobenzene	50	NA	51	101	83-112
N-Propylbenzene	50	NA	52	104	79-121
1,1,2,2-Tetrachloroethane	50	NA	50	101	68-133
1,3,5-Trimethylbenzene	50	NA	58	117	80-117
2-Chlorotoluene	50	NA	52	105	86-113
1,2,3-Trichloropropane	50	NA	51	102	63-133
4-Chlorotoluene	50	NA	52	103	84-117
tert-Butylbenzene	50	NA	55	109	78-122
Pentachloroethane	50	NA	52	104	64-135
1,2,4-Trimethylbenzene	50	NA	54	107	78-116
P-Isopropyltoluene	50	NA	56	112	79-123
1,3-Dichlorobenzene	50	NA	51	102	86-111
1,4-Dichlorobenzene	50	NA	51	102	78-118
N-Butylbenzene	50	NA	52	104	76-119
sec-Butylbenzene	50	NA	59	118	77-121
1,2-Dichlorobenzene	50	NA	54	107	86-113
1,2-Dibromo-3-Chloropropane	50	NA	48	96	63-133
1,3,5-Trichlorobenzene	50	NA	48	97	84-118
Hexachlorobutadiene	50	NA	49	98	70-114

KATAHDIN ANALYTICAL SERVICES
LAB CONTROL SAMPLE

Client:
Project: CTO 426 NLON
PO No:
Sample Date:
Received Date:
Extraction Date:
Analysis Date: 01/18/08
Report Date: 01/30/2008
Matrix: WATER

Lab ID: WG47570-1
Client ID: WG47570-LCS
SDG: CTO426-1
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG47570
Units: ug/l

COMPOUND	LCS SPIKE	SAMPLE CONC.	LCS CONC.	%REC.	QC. LIMITS
1,2,4-Trichlorobenzene	50	NA	49	97	74-116
1,2,3-Trimethylbenzene	50	NA	50	100	85-124
Naphthalene	50	NA	47	94	64-121
1,2,3-Trichlorobenzene	50	NA	49	97	73-117
Methyl Acetate	50	NA	46	92	52-142
Methylcyclohexane	50	NA	53	106	83-125
1-Chlorohexane	50	NA	46	92	78-128
Total Alkylbenzenes	350	NA	385	110	60-140

KATAHDIN ANALYTICAL SERVICES
LAB CONTROL SAMPLE

Client:
Project: CTO 426 NLON
PO No:
Sample Date:
Received Date:
Extraction Date:
Analysis Date: 01/21/08
Report Date: 01/30/2008
Matrix: WATER

Lab ID: WG47623-1
Client ID: WG47623-LCS
SDG: CTO426-1
Extracted by:
Extraction Method: SW846 5030
Analyst: JSS
Analysis Method: SW846 8260B
Lab Prep Batch: WG47623
Units: ug/l

COMPOUND	LCS SPIKE	SAMPLE CONC.	LCS CONC.	%REC.	QC. LIMITS
Dichlorodifluoromethane	50	NA	43	87	20-143
Chloromethane	50	NA	42	85	34-132
Vinyl chloride	50	NA	44	89	48-136
Bromomethane	50	NA	48	96	52-129
Chloroethane	50	NA	46	92	43-146
Trichlorofluoromethane	50	NA	45	90	62-157
Diethyl Ether	50	NA	47	94	74-141
Tertiary-butyl alcohol	250	NA	167	67	10-152
1,1-Dichloroethene	50	NA	43	85	64-126
Carbon Disulfide	50	NA	43	85	59-136
Freon-113	50	NA	45	90	78-140
Iodomethane	50	NA	44	89	54-107
Acrolein	250	NA	218	87	42-156
Methylene Chloride	50	NA	46	91	63-122
Acetone	50	NA	30	60	15-160
Isobutyl Alcohol	1000	NA	658	66	10-169
trans-1,2-Dichloroethene	50	NA	44	88	65-128
Allyl Chloride	50	NA	45	91	64-150
Methyl tert-butyl ether	100	NA	97	97	71-140
Acetonitrile	500	NA	470	94	40-164
Di-isopropyl ether	50	NA	46	92	77-135
Chloroprene	50	NA	44	88	82-133
Methacrylonitrile	500	NA	467	93	69-146
Propionitrile	500	NA	454	91	51-161
1,1-Dichloroethane	50	NA	48	95	74-135
Acrylonitrile	250	NA	231	92	67-144
Ethyl tertiary-butyl ether	50	NA	46	93	79-136
Vinyl Acetate	50	NA	45	91	57-139
cis-1,2-Dichloroethene	50	NA	43	86	75-117
1,2-Dichloroethylene (total)	100	NA	87	87	72-121
Methyl Methacrylate	50	NA	46	91	71-136
2,2-Dichloropropane	50	NA	48	95	55-140
Bromochloromethane	50	NA	51	102	80-132
Chloroform	50	NA	48	95	80-125
Carbon Tetrachloride	50	NA	48	95	76-123
Tetrahydrofuran	50	NA	42	83	38-157
1,1,1-Trichloroethane	50	NA	46	91	79-125
1,1-Dichloropropene	50	NA	45	89	80-125
2-Butanone	50	NA	42	83	45-184
Benzene	50	NA	46	92	71-125
Cyclohexane	50	NA	45	90	57-128
Ethyl Methacrylate	50	NA	50	99	73-134
Tertiary-amyl methyl ether	50	NA	47	94	78-133
1,2-Dichloroethane	50	NA	46	91	75-125
Trichloroethene	50	NA	44	87	78-118

KATAHDIN ANALYTICAL SERVICES
LAB CONTROL SAMPLE

Client:
Project: CTO 426 NLON
PO No:
Sample Date:
Received Date:
Extraction Date:
Analysis Date: 01/21/08
Report Date: 01/30/2008
Matrix: WATER

Lab ID: WG47623-1
Client ID: WG47623-LCS
SDG: CTO426-1
Extracted by:
Extraction Method: SW846 5030
Analyst: JSS
Analysis Method: SW846 8260B
Lab Prep Batch: WG47623
Units: ug/l

COMPOUND	LCS SPIKE	SAMPLE CONC.	LCS CONC.		%REC.	QC. LIMITS
Dibromomethane	50	NA	47		95	73-125
1,2-Dichloropropane	50	NA	46		92	78-127
Bromodichloromethane	50	NA	47		94	76-118
cis-1,3-dichloropropene	50	NA	47		93	84-125
1,4-Dioxane	1000	NA	175		18	10-178
2-Chloroethylvinylether	50	NA	46		92	20-191
Toluene	50	NA	45		90	79-118
4-methyl-2-pentanone	50	NA	46		93	44-157
Tetrachloroethene	50	NA	43		86	71-137
trans-1,3-Dichloropropene	50	NA	52		105	89-137
1,1,2-Trichloroethane	50	NA	46		92	76-125
Dibromochloromethane	50	NA	47		94	77-119
1,3-Dichloropropane	50	NA	48		97	79-122
1,2-Dibromoethane	50	NA	47		93	78-124
2-Hexanone	50	NA	47		94	27-182
Chlorobenzene	50	NA	46		92	81-118
Ethylbenzene	50	NA	45		91	80-115
1,1,1,2-Tetrachloroethane	50	NA	47		93	79-118
Xylenes (total)	150	NA	139		93	85-114
m+p-Xylenes	100	NA	92		92	87-113
o-Xylene	50	NA	47		93	80-118
Styrene	50	NA	50		100	81-116
Bromoform	50	NA	50		100	69-129
Isopropylbenzene	50	NA	48		97	87-129
cis-1,4-Dichloro-2-Butene	50	NA	49		99	60-133
trans-1,4-Dichloro-2-Butene	50	NA	47		94	67-134
Bromobenzene	50	NA	47		94	83-112
N-Propylbenzene	50	NA	47		93	79-121
1,1,2,2-Tetrachloroethane	50	NA	45		90	68-133
1,3,5-Trimethylbenzene	50	NA	44		89	80-117
2-Chlorotoluene	50	NA	42	*	84	86-113
1,2,3-Trichloropropane	50	NA	44		88	63-133
4-Chlorotoluene	50	NA	46		92	84-117
tert-Butylbenzene	50	NA	45		90	78-122
Pentachloroethane	50	NA	48		95	64-135
1,2,4-Trimethylbenzene	50	NA	44		88	78-116
P-Isopropyltoluene	50	NA	48		96	79-123
1,3-Dichlorobenzene	50	NA	46		92	86-111
1,4-Dichlorobenzene	50	NA	46		92	78-118
N-Butylbenzene	50	NA	44		88	76-119
sec-Butylbenzene	50	NA	43		87	77-121
1,2-Dichlorobenzene	50	NA	45		90	86-113
1,2-Dibromo-3-Chloropropane	50	NA	40		80	63-133
1,3,5-Trichlorobenzene	50	NA	42		85	84-118
Hexachlorobutadiene	50	NA	40		79	70-114

KATAHDIN ANALYTICAL SERVICES
LAB CONTROL SAMPLE

Client:
Project: CTO 426 NLON
PO No:
Sample Date:
Received Date:
Extraction Date:
Analysis Date: 01/21/08
Report Date: 01/30/2008
Matrix: WATER

Lab ID: WG47623-1
Client ID: WG47623-LCS
SDG: CTO426-1
Extracted by:
Extraction Method: SW846 5030
Analyst: JSS
Analysis Method: SW846 8260B
Lab Prep Batch: WG47623
Units: ug/l

COMPOUND	LCS SPIKE	SAMPLE CONC.	LCS CONC.		%REC.	QC. LIMITS
1,2,4-Trichlorobenzene	50	NA	39		78	74-116
1,2,3-Trimethylbenzene	50	NA	44		88	85-124
Naphthalene	50	NA	37		74	64-121
1,2,3-Trichlorobenzene	50	NA	32	*	65	73-117
Methyl Acetate	50	NA	43		85	52-142
Methylcyclohexane	50	NA	41		83	83-125
1-Chlorohexane	50	NA	20	*	41	78-128
Total Alkylbenzenes	350	NA	315		90	60-140

KATAHDIN ANALYTICAL SERVICES
LAB CONTROL SAMPLE

Client:
Project: CTO 426 NLON
PO No:
Sample Date:
Received Date:
Extraction Date:
Analysis Date: 01/16/08
Report Date: 01/30/2008
Matrix: WATER

Lab ID: WG47493-1
Client ID: WG47493-LCS
SDG: CTO426-1
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG47493
Units: ug/l

COMPOUND	LCS SPIKE	SAMPLE CONC.	LCS CONC.		%REC.	QC. LIMITS
Dichlorodifluoromethane	50	NA	53		106	20-143
Chloromethane	50	NA	52		104	34-132
Vinyl chloride	50	NA	52		105	48-136
Bromomethane	50	NA	69	*	137	52-129
Chloroethane	50	NA	56		111	43-146
Trichlorofluoromethane	50	NA	58		116	62-157
Diethyl Ether	50	NA	41		82	74-141
Tertiary-butyl alcohol	250	NA	423	*	169	10-152
1,1-Dichloroethene	50	NA	50		99	64-126
Carbon Disulfide	50	NA	40		80	59-136
Freon-113	50	NA	47		94	78-140
Iodomethane	50	NA	66	*	132	54-107
Acrolein	250	NA	256		102	42-156
Methylene Chloride	50	NA	47		94	63-122
Acetone	50	NA	45		91	15-160
Isobutyl Alcohol	1000	NA	1140		114	10-169
trans-1,2-Dichloroethene	50	NA	53		106	65-128
Allyl Chloride	50	NA	51		101	64-150
Methyl tert-butyl ether	100	NA	104		104	71-140
Acetonitrile	500	NA	624		125	40-164
Di-isopropyl ether	50	NA	49		98	77-135
Chloroprene	50	NA	48		96	82-133
Methacrylonitrile	500	NA	509		102	69-146
Propionitrile	500	NA	526		105	51-161
1,1-Dichloroethane	50	NA	55		110	74-135
Acrylonitrile	250	NA	271		108	67-144
Ethyl tertiary-butyl ether	50	NA	51		102	79-136
Vinyl Acetate	50	NA	54		109	57-139
cis-1,2-Dichloroethene	50	NA	49		98	75-117
1,2-Dichloroethylene (total)	100	NA	102		102	72-121
Methyl Methacrylate	50	NA	53		107	71-136
2,2-Dichloropropane	50	NA	47		94	55-140
Bromochloromethane	50	NA	50		101	80-132
Chloroform	50	NA	47		94	80-125
Carbon Tetrachloride	50	NA	55		110	76-123
Tetrahydrofuran	50	NA	53		106	38-157
1,1,1-Trichloroethane	50	NA	52		105	79-125
1,1-Dichloropropene	50	NA	53		105	80-125
2-Butanone	50	NA	50		99	45-184
Benzene	50	NA	50		99	71-125
Cyclohexane	50	NA	39		78	57-128
Ethyl Methacrylate	50	NA	55		110	73-134
Tertiary-amyl methyl ether	50	NA	50		101	78-133
1,2-Dichloroethane	50	NA	55		109	75-125
Trichloroethene	50	NA	50		99	78-118

KATAHDIN ANALYTICAL SERVICES
LAB CONTROL SAMPLE

Client:
Project: CTO 426 NLON
PO No:
Sample Date:
Received Date:
Extraction Date:
Analysis Date: 01/16/08
Report Date: 01/30/2008
Matrix: WATER

Lab ID: WG47493-1
Client ID: WG47493-LCS
SDG: CTO426-1
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG47493
Units: ug/l

COMPOUND	LCS SPIKE	SAMPLE CONC.	LCS CONC.	%REC.	QC. LIMITS
Dibromomethane	50	NA	59	117	73-125
1,2-Dichloropropane	50	NA	51	102	78-127
Bromodichloromethane	50	NA	50	100	76-118
cis-1,3-dichloropropene	50	NA	50	100	84-125
1,4-Dioxane	1000	NA	423	42	10-178
2-Chloroethylvinylether	50	NA	59	118	20-191
Toluene	50	NA	52	104	79-118
4-methyl-2-pentanone	50	NA	50	100	44-157
Tetrachloroethene	50	NA	45	90	71-137
trans-1,3-Dichloropropene	50	NA	60	119	89-137
1,1,2-Trichloroethane	50	NA	53	105	76-125
Dibromochloromethane	50	NA	50	101	77-119
1,3-Dichloropropane	50	NA	45	89	79-122
1,2-Dibromoethane	50	NA	53	106	78-124
2-Hexanone	50	NA	48	96	27-182
Chlorobenzene	50	NA	53	106	81-118
Ethylbenzene	50	NA	55	109	80-115
1,1,1,2-Tetrachloroethane	50	NA	51	102	79-118
Xylenes (total)	150	NA	146	97	85-114
m+p-Xylenes	100	NA	98	98	87-113
o-Xylene	50	NA	48	96	80-118
Styrene	50	NA	50	99	81-116
Bromoform	50	NA	52	105	69-129
Isopropylbenzene	50	NA	58	117	87-129
cis-1,4-Dichloro-2-Butene	50	NA	55	111	60-133
trans-1,4-Dichloro-2-Butene	50	NA	53	105	67-134
Bromobenzene	50	NA	50	100	83-112
N-Propylbenzene	50	NA	47	95	79-121
1,1,2,2-Tetrachloroethane	50	NA	43	87	68-133
1,3,5-Trimethylbenzene	50	NA	52	103	80-117
2-Chlorotoluene	50	NA	50	99	86-113
1,2,3-Trichloropropane	50	NA	50	99	63-133
4-Chlorotoluene	50	NA	48	96	84-117
tert-Butylbenzene	50	NA	53	105	78-122
Pentachloroethane	50	NA	53	107	64-135
1,2,4-Trimethylbenzene	50	NA	44	89	78-116
P-Isopropyltoluene	50	NA	45	90	79-123
1,3-Dichlorobenzene	50	NA	52	103	86-111
1,4-Dichlorobenzene	50	NA	53	106	78-118
N-Butylbenzene	50	NA	49	99	76-119
sec-Butylbenzene	50	NA	52	104	77-121
1,2-Dichlorobenzene	50	NA	50	101	86-113
1,2-Dibromo-3-Chloropropane	50	NA	53	106	63-133
1,3,5-Trichlorobenzene	50	NA	47	94	84-118
Hexachlorobutadiene	50	NA	47	95	70-114

KATAHDIN ANALYTICAL SERVICES
LAB CONTROL SAMPLE

Client:
Project: CTO 426 NLON
PO No:
Sample Date:
Received Date:
Extraction Date:
Analysis Date: 01/16/08
Report Date: 01/30/2008
Matrix: WATER

Lab ID: WG47493-1
Client ID: WG47493-LCS
SDG: CTO426-1
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG47493
Units: ug/l

COMPOUND	LCS SPIKE	SAMPLE CONC.	LCS CONC.	%REC.	QC. LIMITS
1,2,4-Trichlorobenzene	50	NA	46	92	74-116
1,2,3-Trimethylbenzene	50	NA	49	97	85-124
Naphthalene	50	NA	38	75	64-121
1,2,3-Trichlorobenzene	50	NA	47	95	73-117
Methyl Acetate	50	NA	54	107	52-142
Methylcyclohexane	50	NA	48	96	83-125
1-Chlorohexane	50	NA	55	110	78-128
Total Alkylbenzenes	350	NA	342	98	60-140

KATAHDIN ANALYTICAL SERVICES
MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 01/08/08
Received Date: 01/10/08
Extraction Date:
Analysis Date: 01/17/08
Report Date: 01/30/2008
Matrix: WATER

Lab ID: WG47521-3 & WG47521-4
Client ID: WD-GW-MW103-2008MS & WD-GW-MW103-2008MSD
SDG: CTO426-1
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG47521
Units: ug/l

COMPOUND	MS SPIKE	MSD SPIKE	SAMPLE CONC.	MS CONC.	MSD CONC.	MS %REC.	MSD %REC.		%RPD	%RPD LIMIT	QC. LIMITS
Methyl tert-butyl ether	100	100	0.00	108	104	108	104		4	20	71-140
Benzene	50	50	0.00	53	57	105	113		7	20	71-125
Toluene	50	50	0.00	52	56	104	111		6	20	79-118
Ethylbenzene	50	50	0.00	52	55	104	110		6	20	80-115
Xylenes (total)	150	150	0.00	153	174	102	* 116		13	20	85-114
m+p-Xylenes	100	100	0.00	102	115	102	* 115		12	20	87-113
o-Xylene	50	50	0.00	51	59	102	* 119		15	20	80-118
Isopropylbenzene	50	50	0.00	59	69	117	* 138		16	20	87-129
Naphthalene	50	50	0.00	42	52	84	104	*	21	20	64-121

FORM III VOA-1

S8718.D & S8719.D

FORM 4
VOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE ID

WG47623-BLANK

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 426 NLON SDG No.: CTO426-1

Lab File ID: F8746 Lab Sample ID: WG47623-2

Date Analyzed: 01/21/08 Time Analyzed: 1518

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) N

Instrument ID: GCMS-F

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	WG47623-LCS	WG47623-1	F8744	01/21/08	1359
02	AWD-GW-TB3	SB0230-4	F8747	01/21/08	1549
03	AWD-SW-SW1-20080111	SB0230-1	F8751	01/21/08	1752
04	AWD-SW-PZ203-200801	SB0230-2	F8752	01/21/08	1823
05	AWD-GW-MW202-200801	SB0230-3	F8753	01/21/08	1854
06	AWD-SW-DUP1	SB0230-5	F8754	01/21/08	1925
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COMMENTS:

FORM IVVOA

FORM 4
VOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE ID

WG47521-BLANK

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 426 NLON SDG No.: CTO426-1

Lab File ID: S8701 Lab Sample ID: WG47521-2

Date Analyzed: 01/17/08 Time Analyzed: 1028

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	WG47521-LCS	WG47521-1	S8699	01/17/08	0916
02	AWD-GW-TB2	SB0196-7	S8702	01/17/08	1109
03	WD-GW-MW103-2008	SB0168-3	S8705	01/17/08	1242
04	AWD-GW-MW104-2008	SB0168-4	S8706	01/17/08	1313
05	AWD-GW-MW201-2008	SB0168-5	S8707	01/17/08	1344
06	AWD-GW-MW304-2008	SB0168-9	S8708	01/17/08	1415
07	AWD-GW-MW401-2008	SB0168-10	S8709	01/17/08	1446
08	AWD-GW-MW301-2008	SB0196-3	S8715	01/17/08	1752
09	AWD-GW-MW14-2008	SB0196-5	S8716	01/17/08	1823
10	AWD-GW-DUP2	SB0196-6	S8717	01/17/08	1854
11	WD-GW-MW103-2008MS	WG47521-3	S8718	01/17/08	1925
12	WD-GW-MW103-2008MSD	WG47521-4	S8719	01/17/08	1957
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COMMENTS:

FORM IVVOA

FORM 4
VOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE ID

WG47570-BLANK

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 426 NLON SDG No.: CTO426-1

Lab File ID: S8737 Lab Sample ID: WG47570-2

Date Analyzed: 01/18/08 Time Analyzed: 1231

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	WG47570-LCS	WG47570-1	S8735	01/18/08	1118
02	AWD-GW-MW102-2008	SB0168-2	S8738	01/18/08	1315
03	AWD-GW-MW302-2008	SB0168-7	S8739	01/18/08	1346
04	AWD-GW-MW303-2008	SB0168-8	S8740	01/18/08	1417
05	AWD-GW-MW402-2008	SB0168-11	S8741	01/18/08	1448
06	AWD-GW-DUP1	SB0168-12	S8742	01/18/08	1519
07	AWD-GW-MW403-2008	SB0196-1	S8743	01/18/08	1550
08	AWD-GW-MW404-2008	SB0196-2	S8744	01/18/08	1621
09	AWD-GW-MW305-2008	SB0196-4	S8745	01/18/08	1652
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COMMENTS:

FORM IVVOA

FORM 4
VOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE ID

WG47493-BLANK

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 426 NLON SDG No.: CTO426-1

Lab File ID: Z6397 Lab Sample ID: WG47493-2

Date Analyzed: 01/16/08 Time Analyzed: 1335

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) N

Instrument ID: GCMS-Z

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	WG47493-LCS	WG47493-1	Z6395	01/16/08	1219
02	AWD-GW-TB1	SB0168-13	Z6398	01/16/08	1417
03	AWD-GW-MW101-2008	SB0168-1	Z6410	01/16/08	2044
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COMMENTS:

FORM IVVOA

FORM 5
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 426 NLON SDG No.: CTO426-1

Lab File ID: FB836 BFB Injection Date: 01/21/08

Instrument ID: GCMS-F BFB Injection Time: 0952

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	20.6
75	30.0 - 60.0% of mass 95	42.4
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	8.4
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	Greater than 50.0% of mass 95	85.4
175	5.0 - 9.0% of mass 174	7.4 (8.6)1
176	95.0 - 101.0% of mass 174	84.7 (99.1)1
177	5.0 - 9.0% of mass 176	6.5 (7.7)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01		VSTD050F21C	F8737	01/21/08	1004
02		VSTD200F21A	F8738	01/21/08	1055
03		VSTD100F21A	F8739	01/21/08	1125
04		VSTD020F21A	F8740	01/21/08	1156
05		VSTD005F21A	F8741	01/21/08	1227
06		VSTD001F21A	F8742	01/21/08	1258
07	WG47623-LCS	WG47623-1	F8744	01/21/08	1359
08	WG47623-BLANK	WG47623-2	F8746	01/21/08	1518
09	AWD-GW-TB3	SB0230-4	F8747	01/21/08	1549
10	AWD-SW-SW1-20080111	SB0230-1	F8751	01/21/08	1752
11	AWD-SW-PZ203-200801	SB0230-2	F8752	01/21/08	1823
12	AWD-GW-MW202-200801	SB0230-3	F8753	01/21/08	1854
13	AWD-SW-DUP1	SB0230-5	F8754	01/21/08	1925
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FORM V VOA

FORM 5
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 426 NLON SDG No.: CTO426-1

Lab File ID: SB701 BFB Injection Date: 01/16/08

Instrument ID: GCMS-S BFB Injection Time: 1248

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	19.3
75	30.0 - 60.0% of mass 95	44.6
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.3
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	Greater than 50.0% of mass 95	99.4
175	5.0 - 9.0% of mass 174	6.7 (6.8)1
176	95.0 - 101.0% of mass 174	94.5 (95.1)1
177	5.0 - 9.0% of mass 176	6.0 (6.3)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01		VSTD200S16A	S8689	01/16/08	1557
02		VSTD100S16A	S8690	01/16/08	1628
03		VSTD050S16C	S8691	01/16/08	1659
04		VSTD020S16A	S8692	01/16/08	1730
05		VSTD005S16A	S8693	01/16/08	1801
06		VSTD001S16B	S8696	01/16/08	1934
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FORM V VOA

FORM 5
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 426 NLON SDG No.: CTO426-1

Lab File ID: SB702 BFB Injection Date: 01/17/08

Instrument ID: GCMS-S BFB Injection Time: 0812

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	53.5
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.4
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	Greater than 50.0% of mass 95	60.3
175	5.0 - 9.0% of mass 174	4.7 (7.8)1
176	95.0 - 101.0% of mass 174	58.5 (97.0)1
177	5.0 - 9.0% of mass 176	4.6 (7.8)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		VSTD050S17A	S8698	01/17/08	0835
02	WG47521-LCS	WG47521-1	S8699	01/17/08	0916
03	WG47521-BLANK	WG47521-2	S8701	01/17/08	1028
04	AWD-GW-TB2	SB0196-7	S8702	01/17/08	1109
05	WD-GW-MW103-2008	SB0168-3	S8705	01/17/08	1242
06	AWD-GW-MW104-2008	SB0168-4	S8706	01/17/08	1313
07	AWD-GW-MW201-2008	SB0168-5	S8707	01/17/08	1344
08	AWD-GW-MW304-2008	SB0168-9	S8708	01/17/08	1415
09	AWD-GW-MW401-2008	SB0168-10	S8709	01/17/08	1446
10	AWD-GW-MW301-2008	SB0196-3	S8715	01/17/08	1752
11	AWD-GW-MW14-2008	SB0196-5	S8716	01/17/08	1823
12	AWD-GW-DUP2	SB0196-6	S8717	01/17/08	1854
13	WD-GW-MW103-2008MS	WG47521-3	S8718	01/17/08	1925
14	WD-GW-MW103-2008MSD	WG47521-4	S8719	01/17/08	1957
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FORM V VOA

FORM 5
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 426 NLON SDG No.: CTO426-1

Lab File ID: SB704 BFB Injection Date: 01/18/08

Instrument ID: GCMS-S BFB Injection Time: 0929

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	51.4
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.7
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	Greater than 50.0% of mass 95	67.2
175	5.0 - 9.0% of mass 174	4.8 (7.1)1
176	95.0 - 101.0% of mass 174	65.3 (97.1)1
177	5.0 - 9.0% of mass 176	4.3 (6.6)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01		VSTD050S18B	S8733	01/18/08	0951
02	WG47570-LCS	WG47570-1	S8735	01/18/08	1118
03	WG47570-BLANK	WG47570-2	S8737	01/18/08	1231
04	AWD-GW-MW102-2008	SB0168-2	S8738	01/18/08	1315
05	AWD-GW-MW302-2008	SB0168-7	S8739	01/18/08	1346
06	AWD-GW-MW303-2008	SB0168-8	S8740	01/18/08	1417
07	AWD-GW-MW402-2008	SB0168-11	S8741	01/18/08	1448
08	AWD-GW-DUP1	SB0168-12	S8742	01/18/08	1519
09	AWD-GW-MW403-2008	SB0196-1	S8743	01/18/08	1550
10	AWD-GW-MW404-2008	SB0196-2	S8744	01/18/08	1621
11	AWD-GW-MW305-2008	SB0196-4	S8745	01/18/08	1652
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FORM V VOA

FORM 5
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 426 NLON SDG No.: CTO426-1

Lab File ID: ZB780 BFB Injection Date: 01/14/08

Instrument ID: GCMS-Z BFB Injection Time: 1252

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	21.2
75	30.0 - 60.0% of mass 95	39.5
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.4
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	Greater than 50.0% of mass 95	75.0
175	5.0 - 9.0% of mass 174	6.4 (8.6)1
176	95.0 - 101.0% of mass 174	73.9 (98.5)1
177	5.0 - 9.0% of mass 176	5.5 (7.4)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01		VSTD200Z14A	Z6352	01/14/08	1427
02		VSTD100Z14A	Z6353	01/14/08	1459
03		VSTD050Z14A	Z6354	01/14/08	1531
04		VSTD020Z14A	Z6355	01/14/08	1603
05		VSTD005Z14A	Z6356	01/14/08	1635
06		VSTD001Z14A	Z6357	01/14/08	1708
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FORM V VOA

FORM 5
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 426 NLON SDG No.: CTO426-1

Lab File ID: ZB783 BFB Injection Date: 01/16/08

Instrument ID: GCMS-Z BFB Injection Time: 1028

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	20.8
75	30.0 - 60.0% of mass 95	44.9
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.1
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	Greater than 50.0% of mass 95	75.3
175	5.0 - 9.0% of mass 174	5.0 (6.7)1
176	95.0 - 101.0% of mass 174	75.0 (99.5)1
177	5.0 - 9.0% of mass 176	5.2 (6.9)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01		VSTD050Z16B	Z6393	01/16/08	1052
02	WG47493-LCS	WG47493-1	Z6395	01/16/08	1219
03	WG47493-BLANK	WG47493-2	Z6397	01/16/08	1335
04	AWD-GW-TB1	SB0168-13	Z6398	01/16/08	1417
05	AWD-GW-MW101-2008	SB0168-1	Z6410	01/16/08	2044
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FORM V VOA

FORM 6
VOLATILE INITIAL CALIBRATION DATA

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project CTO 426 NLON SDG No.: CTO426-1

Instrument ID: GCMS-F Calibration Date(s): 01/21/08 01/21/08

Column: RTX-VMS ID: 0.18 (mm) Calibration Time(s): 1004 1258

LAB FILE ID: RF1: F8742 RF5: F8741 RF20: F8740
RF50: F8737 RF100: F8739 RF200: F8738

COMPOUND	RF1	RF5	RF20	RF50	RF100	RF200	CURVE	COEFF. A1	%RSD OR R^2	MAX %RSD OR R^2
Methyl tert-butyl ether	1.100	0.993	1.101	1.044	1.071	1.111	AVRG	1.06987279	4.210	15.000
Benzene	1.339	1.390	1.412	1.411	1.434	1.472	AVRG	1.40983321	3.155	15.000
Toluene	0.899	0.879	0.892	0.838	0.908	0.887	AVRG	0.88383070	2.759	15.000
Ethylbenzene	0.588	0.598	0.569	0.514	0.568	0.568	AVRG	0.56756405	5.150	15.000
Xylenes (total)							AVRG			0.000
m+p-Xylenes	0.700	0.719	0.737	0.714	0.755	0.706	AVRG	0.72181169	2.855	15.000
o-Xylene	0.680	0.717	0.687	0.677	0.738	0.692	AVRG	0.69849762	3.449	15.000
Isopropylbenzene	3.013	3.061	2.931	2.667	2.866	3.199	AVRG	2.95606475	6.156	15.000
Naphthalene	1.152	1.078	0.994	0.803	0.972	1.050	AVRG	1.00835070	11.814	15.000
Dibromofluoromethane	0.520	0.493	0.498	0.491	0.498	0.494	AVRG	0.49898934	2.149	15.000
1,2-Dichloroethane-D4	0.652	0.579	0.538	0.581	0.572	0.582	AVRG	0.58421396	6.388	15.000
Toluene-D8	1.305	1.203	1.201	1.198	1.234	1.250	AVRG	1.23179307	3.367	15.000
P-Bromofluorobenzene	0.588	0.505	0.483	0.505	0.523	0.484	AVRG	0.51468108	7.584	15.000

Average %RSD test result.

Calculate Average %RSD: 7.393917084
Maximum Average %RSD: 15.00000000

Note: Passes Average %RSD Test.

FORM VI VOA

FORM 6
VOLATILE INITIAL CALIBRATION DATA

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project CTO 426 NLON SDG No.: CTO426-1

Instrument ID: GCMS-S Calibration Date(s): 01/16/08 01/16/08

Column: RTX-VMS ID: 0.18 (mm) Calibration Time(s): 1557 1934

LAB FILE ID: RF1: S8696 RF5: S8693 RF20: S8692
RF50: S8691 RF100: S8690 RF200: S8689

COMPOUND	RF1	RF5	RF20	RF50	RF100	RF200	CURVE	COEFF. A1	%RSD OR R^2	MAX %RSD OR R^2
Methyl tert-butyl ether	1.314	1.101	1.350	1.352	1.173	1.175	AVRG	1.24395487	8.677	15.000
Benzene	1.259	0.893	1.197	1.224	1.062	1.036	AVRG	1.11175574	12.577	15.000
Toluene	0.719	0.500	0.720	0.661	0.629	0.595	AVRG	0.63741879	13.105	15.000
Ethylbenzene	1.618	1.233	1.762	1.698	1.504	1.377	AVRG	1.53206268	13.109	15.000
Xylenes (total)							AVRG			0.000
m+p-Xylenes	0.534		0.620	0.619	0.496	0.472	AVRG	0.54799372	12.528	15.000
o-Xylene	0.509	0.416	0.583	0.639	0.532	0.540	AVRG	0.53644647	13.924	15.000
Isopropylbenzene	2.128	1.515	2.336	2.353	1.957	2.083	AVRG	2.06186721	14.951	15.000
Naphthalene	1.979	1.609	1.715	1.669	1.435	1.517	AVRG	1.65416901	11.425	15.000
Dibromofluoromethane	0.694	0.457	0.593	0.588	0.510	0.544	AVRG	0.56417394	14.416	15.000
1,2-Dichloroethane-D4		0.535	0.624	0.645	0.592	0.578	AVRG	0.59495343	7.124	15.000
Toluene-D8		0.872	1.098	1.118	0.964	0.869	AVRG	0.98425436	12.130	15.000
P-Bromofluorobenzene		0.367	0.438	0.490	0.391	0.372	AVRG	0.41187425	12.645	15.000

Average %RSD test result.

Calculate Average %RSD: 14.18793583
Maximum Average %RSD: 15.00000000

Note: Passes Average %RSD Test.

FORM VI VOA

FORM 6
VOLATILE INITIAL CALIBRATION DATA

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project CTO 426 NLON SDG No.: CTO426-1

Instrument ID: GCMS-Z Calibration Date(s): 01/14/08 01/14/08

Column: RTX-VMS ID: 0.18 (mm) Calibration Time(s): 1427 1708

LAB FILE ID: RF1: Z6357 RF5: Z6356 RF20: Z6355
RF50: Z6354 RF100: Z6353 RF200: Z6352

COMPOUND	RF1	RF5	RF20	RF50	RF100	RF200	CURVE	COEFF. A1	%RSD OR R^2	MAX %RSD OR R^2
Methyl tert-butyl ether	1.250	0.940	1.079	1.052	0.988	1.034	AVRG	1.05704096	10.089	15.000
Benzene	1.263	1.162	1.294	1.153	1.182	1.027	AVRG	1.18031303	7.990	15.000
Toluene	0.635	0.667	0.807	0.618	0.672	0.689	AVRG	0.68136982	9.808	15.000
Ethylbenzene	1.518	1.377	1.548	1.741	1.392	1.455	AVRG	1.50512631	8.893	15.000
Xylenes (total)							AVRG			0.000
m+p-Xylenes	0.462	0.505	0.585	0.680	0.560	0.524	AVRG	0.55268052	13.684	15.000
o-Xylene	0.590	0.556	0.566	0.586	0.602	0.560	AVRG	0.57677931	3.209	15.000
Isopropylbenzene	2.470	2.654	2.386	2.829	2.736	2.206	AVRG	2.54702454	9.205	15.000
Naphthalene	1.172	1.000		0.859	0.846	0.862	AVRG	0.94783066	14.802	15.000
Dibromofluoromethane	0.647	0.526	0.560	0.534	0.578	0.544	AVRG	0.56502753	7.865	15.000
1,2-Dichloroethane-D4	0.585	0.452	0.438	0.446	0.449	0.435	AVRG	0.46756823	12.418	15.000
Toluene-D8		0.988	1.082	0.984	0.926	0.868	AVRG	0.96958493	8.215	15.000
P-Bromofluorobenzene	0.499	0.433	0.429	0.374	0.374	0.396	AVRG	0.41743685	11.340	15.000

Average %RSD test result.

Calculate Average %RSD: 12.35719013
Maximum Average %RSD: 15.00000000

Note: Passes Average %RSD Test.

FORM VI VOA

FORM 7B
VOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 426 NLON SDG No.: CTO426-1

Instrument ID: GCMS-S Calibration Date: 01/17/08 Time: 0835

Lab File ID: S8698 Init. Calib. Date(s): 01/16/08 01/16/08

Init. Calib. Times: 1557 1934

GC Column: RTX-VMS ID: 0.18 (mm)

COMPOUND	RRF OR AMOUNT	RRF50.000 OR AMOUNT	MIN RRF	%D OR %DRIFT	MAX %D OR %DRIFT	CURV TYPE	
Methyl tert-butyl ether	1.2440000	1.2012000	0.01	-3.44		AVRG	
Benzene	1.1120000	1.0535000	0.01	-5.26		AVRG	
Toluene	0.6370000	0.5987100	0.01	-6.01	20.00	AVRG	
Ethylbenzene	1.5320000	1.3843000	0.01	-9.64	20.00	AVRG	
Xylenes (total)	0.0000000	0.4844200	0.01	0.00		AVRG	<-
m+p-Xylenes	0.5480000	0.4876400	0.01	-11.01		AVRG	
o-Xylene	0.5360000	0.4779800	0.01	-10.82		AVRG	
Isopropylbenzene	2.0620000	2.0270000	0.01	-1.70		AVRG	
Naphthalene	1.6540000	1.4433000	0.01	-12.74		AVRG	
Dibromofluoromethane	0.5640000	0.4662000	0.01	-17.34		AVRG	
1,2-Dichloroethane-D4	0.5950000	0.4904700	0.01	-17.57		AVRG	
Toluene-D8	0.9840000	0.8745900	0.01	-11.12		AVRG	
P-Bromofluorobenzene	0.4120000	0.3641600	0.01	-11.61		AVRG	

FORM 7B
VOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 426 NLON SDG No.: CTO426-1

Instrument ID: GCMS-S Calibration Date: 01/18/08 Time: 0951

Lab File ID: S8733 Init. Calib. Date(s): 01/16/08 01/16/08

Init. Calib. Times: 1557 1934

GC Column: RTX-VMS ID: 0.18 (mm)

COMPOUND	RRF OR AMOUNT	RRF50.000 OR AMOUNT	MIN RRF	%D OR %DRIFT	MAX %D OR %DRIFT	CURV TYPE	
Methyl tert-butyl ether	1.2440000	1.2590000	0.01	1.20		AVRG	
Benzene	1.1120000	1.0338000	0.01	-7.03		AVRG	
Toluene	0.6370000	0.5980700	0.01	-6.11	20.00	AVRG	
Ethylbenzene	1.5320000	1.3325000	0.01	-13.02	20.00	AVRG	
Xylenes (total)	0.0000000	0.4960300	0.01	0.00		AVRG	<-
m+p-Xylenes	0.5480000	0.4942000	0.01	-9.82		AVRG	
o-Xylene	0.5360000	0.4997100	0.01	-6.77		AVRG	
Isopropylbenzene	2.0620000	1.9918000	0.01	-3.40		AVRG	
Naphthalene	1.6540000	1.5490000	0.01	-6.35		AVRG	
Dibromofluoromethane	0.5640000	0.4602400	0.01	-18.40		AVRG	
1,2-Dichloroethane-D4	0.5950000	0.5348800	0.01	-10.10		AVRG	
Toluene-D8	0.9840000	0.9317000	0.01	-5.32		AVRG	
P-Bromofluorobenzene	0.4120000	0.3959000	0.01	-3.91		AVRG	

FORM 7B
VOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 426 NLON SDG No.: CTO426-1

Instrument ID: GCMS-Z Calibration Date: 01/16/08 Time: 1052

Lab File ID: Z6393 Init. Calib. Date(s): 01/14/08 01/14/08

Init. Calib. Times: 1427 1708

GC Column: RTX-VMS ID: 0.18 (mm)

COMPOUND	RRF OR AMOUNT	RRF50.000 OR AMOUNT	MIN RRF	%D OR %DRIFT	MAX %D OR %DRIFT	CURV TYPE	
Methyl tert-butyl ether	1.0570000	1.1562000	0.01	9.38		AVRG	
Benzene	1.1800000	1.4450000	0.01	22.46		AVRG	
Toluene	0.6810000	0.7524800	0.01	10.50	20.00	AVRG	
Ethylbenzene	1.5050000	1.6402000	0.01	8.98	20.00	AVRG	
Xylenes (total)	0.0000000	0.6153800	0.01	0.00		AVRG	<-
m+p-Xylenes	0.5530000	0.6269200	0.01	13.37		AVRG	
o-Xylene	0.5770000	0.5922900	0.01	2.65		AVRG	
Isopropylbenzene	2.5470000	2.5443000	0.01	-0.11		AVRG	
Naphthalene	0.9480000	0.8244900	0.01	-13.03		AVRG	
Dibromofluoromethane	0.5650000	0.5024300	0.01	-11.07		AVRG	
1,2-Dichloroethane-D4	0.4680000	0.3730000	0.01	-20.30		AVRG	
Toluene-D8	0.9700000	0.8560600	0.01	-11.75		AVRG	
P-Bromofluorobenzene	0.4180000	0.3377800	0.01	-19.19		AVRG	

FORM 8
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 426 NLON SDG No.: CTO426-1

Lab File ID (Standard): F8737 Date Analyzed: 01/21/08

Instrument ID: GCMS-F Time Analyzed: 1004

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) N

	IS1(PFB) AREA #	RT #	IS2(DFB) AREA #	RT #	IS3(CBZ) AREA #	RT #
12 HOUR STD	535128	6.48	685783	7.69	571710	11.61
UPPER LIMIT	1070256	6.98	1371566	8.19	1143420	12.11
LOWER LIMIT	267564	5.98	342892	7.19	285855	11.11

	CLIENT SAMPLE ID	LAB SAMPLE ID						
01	WG47623-LCS	WG47623-1	461062	6.48	588620	7.68	490922	11.62
02	WG47623-BLANK	WG47623-2	424611	6.47	522880	7.67	464022	11.61
03	AWD-GW-TB3	SB0230-4	399559	6.46	537617	7.67	441640	11.62
04	AWD-SW-SW1-20080111	SB0230-1	360915	6.46	474374	7.66	398592	11.60
05	AWD-SW-PZ203-200801	SB0230-2	362643	6.44	462529	7.65	396415	11.61
06	AWD-GW-MW202-200801	SB0230-3	332276	6.43	452046	7.65	379477	11.60
07	AWD-SW-DUP1	SB0230-5	338217	6.44	440361	7.65	383683	11.60
08								
09								
10								
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18								
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20								

IS1 (PFB) = Pentafluorobenzene
IS2 (DFB) = 1,4-Difluorobenzene
IS3 (CBZ) = Chlorobenzene-D5

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

FORM VIII VOA

FORM 8
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 426 NLON SDG No.: CTO426-1

Lab File ID (Standard): F8737 Date Analyzed: 01/21/08

Instrument ID: GCMS-F Time Analyzed: 1004

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) N

		IS4(DCB) AREA #	RT #	AREA #	RT #	AREA #	RT #
12 HOUR STD		309249	14.66				
UPPER LIMIT		618498	15.16				
LOWER LIMIT		154625	14.16				
CLIENT SAMPLE ID	LAB SAMPLE ID						
01 WG47623-LCS	WG47623-1	267544	14.66				
02 WG47623-BLANK	WG47623-2	223614	14.66				
03 AWD-GW-TB3	SB0230-4	223512	14.66				
04 AWD-SW-SW1-20080111	SB0230-1	201573	14.66				
05 AWD-SW-PZ203-200801	SB0230-2	206432	14.65				
06 AWD-GW-MW202-200801	SB0230-3	178853	14.65				
07 AWD-SW-DUP1	SB0230-5	198769	14.66				
08							
09							
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12							
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14							
15							
16							
17							
18							
19							
20							

IS4 (DCB) = 1,4-Dichlorobenzene-D4

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

FORM VIII VOA

FORM 8
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 426 NLON SDG No.: CTO426-1

Lab File ID (Standard): S8698 Date Analyzed: 01/17/08

Instrument ID: GCMS-S Time Analyzed: 0835

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) N

	IS1(PFB) AREA #	RT #	IS2(DFB) AREA #	RT #	IS3(CBZ) AREA #	RT #
12 HOUR STD	628556	9.12	887687	9.83	767984	13.27
UPPER LIMIT	1257112	9.62	1775374	10.33	1535968	13.77
LOWER LIMIT	314278	8.62	443844	9.33	383992	12.77

	CLIENT SAMPLE ID	LAB SAMPLE ID						
01	WG47521-LCS	WG47521-1	629055	9.11	928474	9.84	754993	13.28
02	WG47521-BLANK	WG47521-2	602684	9.12	874294	9.83	746359	13.28
03	AWD-GW-TB2	SB0196-7	644980	9.12	853253	9.83	765646	13.28
04	WD-GW-MW103-2008	SB0168-3	593040	9.12	834099	9.84	705513	13.28
05	AWD-GW-MW104-2008	SB0168-4	563371	9.13	842276	9.84	710100	13.28
06	AWD-GW-MW201-2008	SB0168-5	564120	9.12	805577	9.83	708139	13.29
07	AWD-GW-MW304-2008	SB0168-9	538614	9.13	754477	9.84	670442	13.28
08	AWD-GW-MW401-2008	SB0168-10	555709	9.13	802973	9.83	685517	13.29
09	AWD-GW-MW301-2008	SB0196-3	524789	9.13	756814	9.84	639035	13.28
10	AWD-GW-MW14-2008	SB0196-5	536872	9.12	786930	9.83	669763	13.29
11	AWD-GW-DUP2	SB0196-6	533635	9.13	775279	9.83	659824	13.29
12	WD-GW-MW103-2008MS	WG47521-3	532954	9.13	781780	9.84	667902	13.28
13	WD-GW-MW103-2008MSD	WG47521-4	580705	9.13	813121	9.84	669910	13.28
14								
15								
16								
17								
18								
19								
20								

IS1 (PFB) = Pentafluorobenzene
IS2 (DFB) = 1,4-Difluorobenzene
IS3 (CBZ) = Chlorobenzene-D5

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

FORM VIII VOA

FORM 8
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 426 NLON SDG No.: CTO426-1

Lab File ID (Standard): S8698 Date Analyzed: 01/17/08

Instrument ID: GCMS-S Time Analyzed: 0835

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) N

	IS4(DCB) AREA #	RT #	AREA #	RT #	AREA #	RT #
12 HOUR STD	413885	16.42				
UPPER LIMIT	827770	16.92				
LOWER LIMIT	206943	15.92				

	CLIENT SAMPLE ID	LAB SAMPLE ID						
01	WG47521-LCS	WG47521-1	416142	16.42				
02	WG47521-BLANK	WG47521-2	385025	16.42				
03	AWD-GW-TB2	SB0196-7	371009	16.43				
04	WD-GW-MW103-2008	SB0168-3	351627	16.42				
05	AWD-GW-MW104-2008	SB0168-4	343683	16.43				
06	AWD-GW-MW201-2008	SB0168-5	327065	16.43				
07	AWD-GW-MW304-2008	SB0168-9	342134	16.43				
08	AWD-GW-MW401-2008	SB0168-10	347785	16.43				
09	AWD-GW-MW301-2008	SB0196-3	317849	16.43				
10	AWD-GW-MW14-2008	SB0196-5	318625	16.43				
11	AWD-GW-DUP2	SB0196-6	331082	16.43				
12	WD-GW-MW103-2008MS	WG47521-3	383955	16.42				
13	WD-GW-MW103-2008MSD	WG47521-4	366779	16.42				
14								
15								
16								
17								
18								
19								
20								

IS4 (DCB) = 1,4-Dichlorobenzene-D4

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

FORM VIII VOA

FORM 8
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 426 NLON SDG No.: CTO426-1

Lab File ID (Standard): S8733 Date Analyzed: 01/18/08

Instrument ID: GCMS-S Time Analyzed: 0951

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) N

	IS1(PFB) AREA #	RT #	IS2(DFB) AREA #	RT #	IS3(CBZ) AREA #	RT #
12 HOUR STD	575463	9.15	821948	9.86	718198	13.30
UPPER LIMIT	1150926	9.65	1643896	10.36	1436396	13.80
LOWER LIMIT	287732	8.65	410974	9.36	359099	12.80

	CLIENT SAMPLE ID	LAB SAMPLE ID						
01	WG47570-LCS	WG47570-1	622378	9.15	858931	9.86	721068	13.30
02	WG47570-BLANK	WG47570-2	602349	9.15	798383	9.87	760667	13.31
03	AWD-GW-MW102-2008	SB0168-2	580925	9.15	784808	9.86	716571	13.31
04	AWD-GW-MW302-2008	SB0168-7	606425	9.15	817908	9.86	687689	13.31
05	AWD-GW-MW303-2008	SB0168-8	573173	9.15	833559	9.87	697954	13.31
06	AWD-GW-MW402-2008	SB0168-11	632069	9.15	864921	9.86	752330	13.30
07	AWD-GW-DUP1	SB0168-12	644515	9.15	909891	9.86	800181	13.31
08	AWD-GW-MW403-2008	SB0196-1	641874	9.15	906016	9.86	774799	13.30
09	AWD-GW-MW404-2008	SB0196-2	649098	9.15	897533	9.86	805890	13.30
10	AWD-GW-MW305-2008	SB0196-4	638500	9.15	943636	9.86	806836	13.30
11								
12								
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14								
15								
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17								
18								
19								
20								

IS1 (PFB) = Pentafluorobenzene
IS2 (DFB) = 1,4-Difluorobenzene
IS3 (CBZ) = Chlorobenzene-D5

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

FORM VIII VOA

FORM 8
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 426 NLON SDG No.: CTO426-1

Lab File ID (Standard): S8733 Date Analyzed: 01/18/08

Instrument ID: GCMS-S Time Analyzed: 0951

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) N

		IS4(DCB) AREA #	RT #	AREA #	RT #	AREA #	RT #
12 HOUR STD		389229	16.44				
UPPER LIMIT		778458	16.94				
LOWER LIMIT		194615	15.94				
CLIENT SAMPLE ID	LAB SAMPLE ID						
01 WG47570-LCS	WG47570-1	376791	16.44				
02 WG47570-BLANK	WG47570-2	340230	16.45				
03 AWD-GW-MW102-2008	SB0168-2	364211	16.45				
04 AWD-GW-MW302-2008	SB0168-7	336550	16.45				
05 AWD-GW-MW303-2008	SB0168-8	377174	16.45				
06 AWD-GW-MW402-2008	SB0168-11	394271	16.44				
07 AWD-GW-DUP1	SB0168-12	398048	16.45				
08 AWD-GW-MW403-2008	SB0196-1	415310	16.45				
09 AWD-GW-MW404-2008	SB0196-2	416378	16.45				
10 AWD-GW-MW305-2008	SB0196-4	399332	16.44				
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							

IS4 (DCB) = 1,4-Dichlorobenzene-D4

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

FORM VIII VOA

FORM 8
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 426 NLON SDG No.: CTO426-1

Lab File ID (Standard): Z6393 Date Analyzed: 01/16/08

Instrument ID: GCMS-Z Time Analyzed: 1052

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) N

	IS1(PFB) AREA #	RT #	IS2(DFB) AREA #	RT #	IS3(CBZ) AREA #	RT #
12 HOUR STD	474979	10.12	661176	10.74	548483	14.26
UPPER LIMIT	949958	10.62	1322352	11.24	1096966	14.76
LOWER LIMIT	237490	9.62	330588	10.24	274242	13.76

	CLIENT SAMPLE ID	LAB SAMPLE ID						
01	WG47493-LCS	WG47493-1	498473	10.12	685804	10.75	606455	14.26
02	WG47493-BLANK	WG47493-2	459210	10.11	644577	10.74	568485	14.26
03	AWD-GW-TB1	SB0168-13	450614	10.12	650127	10.74	547292	14.26
04	AWD-GW-MW101-2008	SB0168-1	414187	10.11	664968	10.73	490207	14.25
05								
06								
07								
08								
09								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								

IS1 (PFB) = Pentafluorobenzene
IS2 (DFB) = 1,4-Difluorobenzene
IS3 (CBZ) = Chlorobenzene-D5

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

FORM VIII VOA

FORM 8
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 426 NLON SDG No.: CTO426-1

Lab File ID (Standard): Z6393 Date Analyzed: 01/16/08

Instrument ID: GCMS-Z Time Analyzed: 1052

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) N

		IS4 (DCB) AREA #	RT #	AREA #	RT #	AREA #	RT #
12 HOUR STD		296621	17.42				
UPPER LIMIT		593242	17.92				
LOWER LIMIT		148311	16.92				
CLIENT SAMPLE ID	LAB SAMPLE ID						
01 WG47493-LCS	WG47493-1	297511	17.42				
02 WG47493-BLANK	WG47493-2	275536	17.42				
03 AWD-GW-TB1	SB0168-13	252363	17.42				
04 AWD-GW-MW101-2008	SB0168-1	255929	17.41				
05							
06							
07							
08							
09							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							

IS4 (DCB) = 1,4-Dichlorobenzene-D4

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

FORM VIII VOA

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 01/08/08
Received Date: 01/10/08
Extraction Date: 01/11/08
Analysis Date: 31-JAN-2008 11:51
Report Date: 02/01/2008
Matrix: WATER
% Solids: NA

Lab ID: SB0168-1
Client ID: AWD-GW-MW101-2008
SDG: CTO426-1
Extracted by: KF
Extraction Method: SW846 3510
Analyst: KGT
Analysis Method: SW846 M8015B
Lab Prep Batch: WG47340
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
	TPH	U	75	1.0	75	75	43
	O-Terphenyl		72%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 01/08/08
Received Date: 01/10/08
Extraction Date: 01/11/08
Analysis Date: 31-JAN-2008 12:39
Report Date: 02/01/2008
Matrix: WATER
% Solids: NA

Lab ID: SB0168-2
Client ID: AWD-GW-MW102-2008
SDG: CTO426-1
Extracted by: KF
Extraction Method: SW846 3510
Analyst: KGT
Analysis Method: SW846 M8015B
Lab Prep Batch: WG47340
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
	TPH		250	1.0	75	75	43
	O-Terphenyl		69%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 01/08/08
Received Date: 01/10/08
Extraction Date: 01/11/08
Analysis Date: 31-JAN-2008 13:26
Report Date: 02/01/2008
Matrix: WATER
% Solids: NA

Lab ID: SB0168-3
Client ID: WD-GW-MW103-2008
SDG: CTO426-1
Extracted by: KF
Extraction Method: SW846 3510
Analyst: KGT
Analysis Method: SW846 M8015B
Lab Prep Batch: WG47340
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
	TPH		140	1.0	75	75	42
	O-Terphenyl		64%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 01/08/08
Received Date: 01/10/08
Extraction Date: 01/11/08
Analysis Date: 31-JAN-2008 14:13
Report Date: 02/01/2008
Matrix: WATER
% Solids: NA

Lab ID: SB0168-4
Client ID: AWD-GW-MW104-2008
SDG: CTO426-1
Extracted by: KF
Extraction Method: SW846 3510
Analyst: KGT
Analysis Method: SW846 M8015B
Lab Prep Batch: WG47340
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
	TPH	U	75	1.0	75	75	45
	O-Terphenyl		67%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 01/08/08
Received Date: 01/10/08
Extraction Date: 01/11/08
Analysis Date: 31-JAN-2008 15:00
Report Date: 02/01/2008
Matrix: WATER
% Solids: NA

Lab ID: SB0168-5
Client ID: AWD-GW-MW201-2008
SDG: CTO426-1
Extracted by: KF
Extraction Method: SW846 3510
Analyst: KGT
Analysis Method: SW846 M8015B
Lab Prep Batch: WG47340
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
	TPH	U	75	1.0	75	75	44
	O-Terphenyl		82%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 01/08/08
Received Date: 01/10/08
Extraction Date: 01/11/08
Analysis Date: 31-JAN-2008 15:46
Report Date: 02/01/2008
Matrix: WATER
% Solids: NA

Lab ID: SB0168-7
Client ID: AWD-GW-MW302-2008
SDG: CTO426-1
Extracted by: KF
Extraction Method: SW846 3510
Analyst: KGT
Analysis Method: SW846 M8015B
Lab Prep Batch: WG47340
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
	TPH		290	1.0	75	80	48
	O-Terphenyl		77%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 01/08/08
Received Date: 01/10/08
Extraction Date: 01/11/08
Analysis Date: 31-JAN-2008 16:54
Report Date: 02/01/2008
Matrix: WATER
% Solids: NA

Lab ID: SB0168-8
Client ID: AWD-GW-MW303-2008
SDG: CTO426-1
Extracted by: KF
Extraction Method: SW846 3510
Analyst: KGT
Analysis Method: SW846 M8015B
Lab Prep Batch: WG47340
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
	TPH		1700	1.0	75	75	42
	O-Terphenyl		75%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 01/08/08
Received Date: 01/10/08
Extraction Date: 01/11/08
Analysis Date: 31-JAN-2008 17:42
Report Date: 02/01/2008
Matrix: WATER
% Solids: NA

Lab ID: SB0168-9
Client ID: AWD-GW-MW304-2008
SDG: CTO426-1
Extracted by: KF
Extraction Method: SW846 3510
Analyst: KGT
Analysis Method: SW846 M8015B
Lab Prep Batch: WG47340
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
	TPH		330	1.0	75	75	43
	O-Terphenyl		77%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 01/09/08
Received Date: 01/10/08
Extraction Date: 01/11/08
Analysis Date: 31-JAN-2008 18:29
Report Date: 02/01/2008
Matrix: WATER
% Solids: NA

Lab ID: SB0168-10
Client ID: AWD-GW-MW401-2008
SDG: CTO426-1
Extracted by: KF
Extraction Method: SW846 3510
Analyst: KGT
Analysis Method: SW846 M8015B
Lab Prep Batch: WG47340
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
	TPH	U	75	1.0	75	75	43
	O-Terphenyl		77%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 01/09/08
Received Date: 01/10/08
Extraction Date: 01/11/08
Analysis Date: 31-JAN-2008 19:16
Report Date: 02/01/2008
Matrix: WATER
% Solids: NA

Lab ID: SB0168-11
Client ID: AWD-GW-MW402-2008
SDG: CTO426-1
Extracted by: KF
Extraction Method: SW846 3510
Analyst: KGT
Analysis Method: SW846 M8015B
Lab Prep Batch: WG47340
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
	TPH		840	1.0	75	75	43
	O-Terphenyl		70%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 01/09/08
Received Date: 01/10/08
Extraction Date: 01/11/08
Analysis Date: 31-JAN-2008 20:04
Report Date: 02/01/2008
Matrix: WATER
% Solids: NA

Lab ID: SB0168-12
Client ID: AWD-GW-DUP1
SDG: CTO426-1
Extracted by: KF
Extraction Method: SW846 3510
Analyst: KGT
Analysis Method: SW846 M8015B
Lab Prep Batch: WG47340
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
	TPH		740	1.0	75	75	43
	O-Terphenyl		65%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 01/09/08
Received Date: 01/11/08
Extraction Date: 01/16/08
Analysis Date: 30-JAN-2008 19:11
Report Date: 02/01/2008
Matrix: WATER
% Solids: NA

Lab ID: SB0196-1DL
Client ID: AWD-GW-MW403-2008
SDG: CTO426-1
Extracted by: KF
Extraction Method: SW846 3510
Analyst: KGT
Analysis Method: SW846 M8015B
Lab Prep Batch: WG47479
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
	TPH		1200	5.0	75	350	210
	O-Terphenyl		49%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 01/09/08
Received Date: 01/11/08
Extraction Date: 01/16/08
Analysis Date: 01-FEB-2008 01:36
Report Date: 02/01/2008
Matrix: WATER
% Solids: NA

Lab ID: SB0196-2
Client ID: AWD-GW-MW404-2008
SDG: CTO426-1
Extracted by: KF
Extraction Method: SW846 3510
Analyst: KGT
Analysis Method: SW846 M8015B
Lab Prep Batch: WG47479
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
	TPH		120	1.0	75	77	46
	O-Terphenyl		69%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 01/10/08
Received Date: 01/11/08
Extraction Date: 01/16/08
Analysis Date: 30-JAN-2008 21:34
Report Date: 02/01/2008
Matrix: WATER
% Solids: NA

Lab ID: SB0196-3
Client ID: AWD-GW-MW301-2008
SDG: CTO426-1
Extracted by: KF
Extraction Method: SW846 3510
Analyst: KGT
Analysis Method: SW846 M8015B
Lab Prep Batch: WG47479
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
	TPH	J	53	1.0	75	75	45
	O-Terphenyl		92%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 01/10/08
Received Date: 01/11/08
Extraction Date: 01/16/08
Analysis Date: 01-FEB-2008 02:24
Report Date: 02/01/2008
Matrix: WATER
% Solids: NA

Lab ID: SB0196-4
Client ID: AWD-GW-MW305-2008
SDG: CTO426-1
Extracted by: KF
Extraction Method: SW846 3510
Analyst: KGT
Analysis Method: SW846 M8015B
Lab Prep Batch: WG47479
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
	TPH		84	1.0	75	75	43
	O-Terphenyl		80%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 01/10/08
Received Date: 01/11/08
Extraction Date: 01/16/08
Analysis Date: 30-JAN-2008 23:57
Report Date: 02/01/2008
Matrix: WATER
% Solids: NA

Lab ID: SB0196-5
Client ID: AWD-GW-MW14-2008
SDG: CTO426-1
Extracted by: KF
Extraction Method: SW846 3510
Analyst: KGT
Analysis Method: SW846 M8015B
Lab Prep Batch: WG47479
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
	TPH		170	1.0	75	75	42
	O-Terphenyl		77%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 01/10/08
Received Date: 01/11/08
Extraction Date: 01/16/08
Analysis Date: 31-JAN-2008 00:44
Report Date: 02/01/2008
Matrix: WATER
% Solids: NA

Lab ID: SB0196-6
Client ID: AWD-GW-DUP2
SDG: CTO426-1
Extracted by: KF
Extraction Method: SW846 3510
Analyst: KGT
Analysis Method: SW846 M8015B
Lab Prep Batch: WG47479
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
	TPH		180	1.0	75	75	44
	O-Terphenyl		85%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 01/10/08
Received Date: 01/12/08
Extraction Date: 01/16/08
Analysis Date: 31-JAN-2008 04:42
Report Date: 02/01/2008
Matrix: WATER
% Solids: NA

Lab ID: SB0230-1
Client ID: AWD-SW-SW1-20080111
SDG: CTO426-1
Extracted by: KF
Extraction Method: SW846 3510
Analyst: KGT
Analysis Method: SW846 M8015B
Lab Prep Batch: WG47479
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
	TPH		220	1.0	75	77	46
	O-Terphenyl		67%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 01/11/08
Received Date: 01/12/08
Extraction Date: 01/16/08
Analysis Date: 31-JAN-2008 05:29
Report Date: 02/01/2008
Matrix: WATER
% Solids: NA

Lab ID: SB0230-2
Client ID: AWD-SW-PZ203-200801
SDG: CTO426-1
Extracted by: KF
Extraction Method: SW846 3510
Analyst: KGT
Analysis Method: SW846 M8015B
Lab Prep Batch: WG47479
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
	TPH	U	76	1.0	75	76	46
	O-Terphenyl		73%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 01/11/08
Received Date: 01/12/08
Extraction Date: 01/16/08
Analysis Date: 31-JAN-2008 07:04
Report Date: 02/01/2008
Matrix: WATER
% Solids: NA

Lab ID: SB0230-3DL
Client ID: AWD-GW-MW202-200801
SDG: CTO426-1
Extracted by: KF
Extraction Method: SW846 3510
Analyst: KGT
Analysis Method: SW846 M8015B
Lab Prep Batch: WG47479
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
	TPH		2700	5.0	75	360	220
	O-Terphenyl		71%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 01/11/08
Received Date: 01/12/08
Extraction Date: 01/16/08
Analysis Date: 31-JAN-2008 07:51
Report Date: 02/01/2008
Matrix: WATER
% Solids: NA

Lab ID: SB0230-5
Client ID: AWD-SW-DUP1
SDG: CTO426-1
Extracted by: KF
Extraction Method: SW846 3510
Analyst: KGT
Analysis Method: SW846 M8015B
Lab Prep Batch: WG47479
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
	TPH		190	1.0	75	75	42
	O-Terphenyl		67%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client:
Project: CTO 426 NLON
PO No:
Sample Date:
Received Date:
Extraction Date: 01/11/08
Analysis Date: 31-JAN-2008 22:26
Report Date: 02/01/2008
Matrix: WATER
% Solids: NA

Lab ID: WG47340-1
Client ID: WG47340-Blank
SDG: CTO426-1
Extracted by: KF
Extraction Method: SW846 3510
Analyst: KGT
Analysis Method: SW846 M8015B
Lab Prep Batch: WG47340
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
	TPH	U	75	1.0	75	75	45
	O-Terphenyl		76%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client:
Project: CTO 426 NLON
PO No:
Sample Date:
Received Date:
Extraction Date: 01/16/08
Analysis Date: 25-JAN-2008 04:00
Report Date: 02/01/2008
Matrix: WATER
% Solids: NA

Lab ID: WG47479-1
Client ID: WG47479-Blank
SDG: CTO426-1
Extracted by: KF
Extraction Method: SW846 3510
Analyst: KGT
Analysis Method: SW846 M8015B
Lab Prep Batch: WG47479
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
	TPH	U	75	1.0	75	75	45
	O-Terphenyl		87%				

FORM 2
WATER DRO SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 426 NLON SDG No.: CTO426-1

	CLIENT SAMPLE ID	LAB SAMPLE ID	S1 OTP#	S2 #	S3 #	S4 #	S5 #	S6 #	S7 #	S8 #	TOT OUT
01	WG47479-BLANK	WG47479-1	87								0
02	WG47479-LCS	WG47479-2	94								0
03	WG47479-LCSD	WG47479-3	82								0
04	AWD-GW-MW403-2008	SB0196-1DL	49								0
05	AWD-GW-MW301-2008	SB0196-3	92								0
06	AWD-GW-MW14-2008	SB0196-5	77								0
07	AWD-GW-DUP2	SB0196-6	85								0
08	AWD-SW-SW1-20080111	SB0230-1	67								0
09	AWD-SW-PZ203-200801	SB0230-2	73								0
10	AWD-GW-MW202-200801	SB0230-3DL	71								0
11	AWD-SW-DUP1	SB0230-5	67								0
12	AWD-GW-MW101-2008	SB0168-1	72								0
13	AWD-GW-MW102-2008	SB0168-2	69								0
14	WD-GW-MW103-2008	SB0168-3	64								0
15	AWD-GW-MW104-2008	SB0168-4	67								0
16	AWD-GW-MW201-2008	SB0168-5	82								0
17	AWD-GW-MW302-2008	SB0168-7	77								0
18	AWD-GW-MW303-2008	SB0168-8	75								0
19	AWD-GW-MW304-2008	SB0168-9	77								0
20	AWD-GW-MW401-2008	SB0168-10	77								0
21	AWD-GW-MW402-2008	SB0168-11	70								0
22	AWD-GW-DUP1	SB0168-12	65								0
23	WG47340-BLANK	WG47340-1	76								0
24	WG47340-LCS	WG47340-2	84								0
25	WD-GW-MW103-2008MS	WG47340-3	84								0
26	WD-GW-MW103-2008MSD	WG47340-4	79								0
27	AWD-GW-MW404-2008	SB0196-2	69								0
28	AWD-GW-MW305-2008	SB0196-4	80								0

S1 (OTP) = O-Terphenyl QC LIMITS (46-116)

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

KATAHDIN ANALYTICAL SERVICES
LAB CONTROL SAMPLE

Client:
Project: CTO 426 NLON
PO No:
Sample Date:
Received Date:
Extraction Date: 01/11/08
Analysis Date: 01/31/08
Report Date: 02/01/2008
Matrix: WATER

Lab ID: WG47340-2
Client ID: WG47340-LCS
SDG: CTO426-1
Extracted by: KF
Extraction Method: SW846 3510
Analyst: KGT
Analysis Method: SW846 M8015B
Lab Prep Batch: WG47340
Units: ug/L

COMPOUND	LCS SPIKE	SAMPLE CONC.	LCS CONC.	%REC.	QC. LIMITS
TPH	500	NA	348	70	33-135

KATAHDIN ANALYTICAL SERVICES
LAB CONTROL SAMPLE

Client:
Project: CTO 426 NLON
PO No:
Sample Date:
Received Date:
Extraction Date: 01/16/08
Analysis Date: 01/25/08
Report Date: 02/01/2008
Matrix: WATER

Lab ID: WG47479-2 & WG47479-3
Client ID: WG47479-LCS & WG47479-LCSD
SDG: CTO426-1
Extracted by: KF
Extraction Method: SW846 3510
Analyst: KGT
Analysis Method: SW846 M8015B
Lab Prep Batch: WG47479
Units: ug/L

COMPOUND	LCS SPIKE	LCSD SPIKE	SAMPLE CONC.	LCS CONC.	LCSD CONC.	LCS %REC.	LCSD %REC.	%RPD	%RPD LIMIT	QC. LIMITS
TPH	500	500	NA	412	348	82	70	17	20	33-135

FORM III DRO-1

ABA2198.d & ABA2199.d

KATAHDIN ANALYTICAL SERVICES
MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 01/08/08
Received Date: 01/10/08
Extraction Date: 01/11/08
Analysis Date: 02/01/08
Report Date: 02/01/2008
Matrix: WATER

Lab ID: WG47340-3 & WG47340-4
Client ID: WD-GW-MW103-2008MS & WD-GW-MW103-2008MSD
SDG: CTO426-1
Extracted by: KF
Extraction Method: SW846 3510
Analyst: KGT
Analysis Method: SW846 M8015B
Lab Prep Batch: WG47340
Units: ug/L

COMPOUND	MS SPIKE	MSD SPIKE	SAMPLE CONC.	MS CONC.	MSD CONC.	MS %REC.	MSD %REC.	%RPD	%RPD LIMIT	QC. LIMITS
TPH	490	481	142	433	382	59	50	12	20	33-135

FORM III DRO-1

ABA4041.d & ABA4042.d

FORM 4
SEMIVOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE ID

WG47340-BLANK

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 426 NLON SDG No.: CTO426-1

Lab File ID: ABA4039 Lab Sample ID: WG47340-1

Instrument ID: GC10 Date Extracted: 01/11/08

Matrix: (soil/water) WATER Date Analyzed: 01/31/08

Level:(low/med) LOW Time Analyzed: 2226

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	AWD-GW-MW101-2008	SB0168-1	ABA4026	01/31/08	1151
02	AWD-GW-MW102-2008	SB0168-2	ABA4027	01/31/08	1239
03	WD-GW-MW103-2008	SB0168-3	ABA4028	01/31/08	1326
04	AWD-GW-MW104-2008	SB0168-4	ABA4029	01/31/08	1413
05	AWD-GW-MW201-2008	SB0168-5	ABA4030	01/31/08	1500
06	AWD-GW-MW302-2008	SB0168-7	ABA4031	01/31/08	1546
07	AWD-GW-MW303-2008	SB0168-8	ABA4032	01/31/08	1654
08	AWD-GW-MW304-2008	SB0168-9	ABA4033	01/31/08	1742
09	AWD-GW-MW401-2008	SB0168-10	ABA4034	01/31/08	1829
10	AWD-GW-MW402-2008	SB0168-11	ABA4035	01/31/08	1916
11	AWD-GW-DUP1	SB0168-12	ABA4036	01/31/08	2004
12	WG47340-LCS	WG47340-2	ABA4040	01/31/08	2314
13	WD-GW-MW103-2008MS	WG47340-3	ABA4041	02/01/08	0001
14	WD-GW-MW103-2008MSD	WG47340-4	ABA4042	02/01/08	0049
15					
16					
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30					

COMMENTS:

FORM IVDRO

FORM 4
SEMIVOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE ID

WG47479-BLANK

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 426 NLON SDG No.: CTO426-1

Lab File ID: ABA2197 Lab Sample ID: WG47479-1

Instrument ID: GC10 Date Extracted: 01/16/08

Matrix: (soil/water) WATER Date Analyzed: 01/25/08

Level:(low/med) LOW Time Analyzed: 0400

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	WG47479-LCS	WG47479-2	ABA2198	01/25/08	0447
02	WG47479-LCSD	WG47479-3	ABA2199	01/25/08	0535
03	AWD-GW-MW403-2008	SB0196-1DL	ABA4005	01/30/08	1911
04	AWD-GW-MW301-2008	SB0196-3	ABA4008	01/30/08	2134
05	AWD-GW-MW14-2008	SB0196-5	ABA4011	01/30/08	2357
06	AWD-GW-DUP2	SB0196-6	ABA4012	01/31/08	0044
07	AWD-SW-SW1-20080111	SB0230-1	ABA4017	01/31/08	0442
08	AWD-SW-PZ203-200801	SB0230-2	ABA4018	01/31/08	0529
09	AWD-GW-MW202-200801	SB0230-3DL	ABA4020	01/31/08	0704
10	AWD-SW-DUP1	SB0230-5	ABA4021	01/31/08	0751
11	AWD-GW-MW404-2008	SB0196-2	ABA4043	02/01/08	0136
12	AWD-GW-MW305-2008	SB0196-4	ABA4044	02/01/08	0224
13					
14					
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30					

COMMENTS:

FORM IVDRO

FORM 6
DRO INITIAL CALIBRATION DATA

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project CTO 426 NLON SDG No.: CTO426-1

Instrument ID: GC10 Calibration Date(s): 09/26/07 09/26/07

Column: ZB-1 ID: 0.25 (mm) Calibration Time(s): 1746 2056

LAB FILE ID: RF5: AAI4061A RF20: AAI4060A RF50: AAI4059A
RF100: AAI4058A RF200: AAI4057A

COMPOUND	RF5	RF20	RF50	RF100	RF200	CURVE	COEFFICENTS A0	A1	%RSD OR R^2	MAX %RSD OR R^2
TPH Peaks C9-C36	537320	2144800	5569900	1.e+007	2e+007	LINR	-41.024675	1.463e-004	0.99756	0.99000
C-9	57469	161470	414160	729720	1383600	LINR	-4.0779824	1.454e-004	0.99770	0.99000
C-10	57864	162740	427800	744160	1371600	LINR	-4.8407022	1.462e-004	0.99593	0.99000
C-12	27240	154220	408960	721710	1357800	LINR	-2.7211253	1.466e-004	0.99672	0.99000
C-14	37634	155600	403670	736370	1359200	LINR	-3.2328165	1.465e-004	0.99690	0.99000
C-16	38089	154540	403450	736930	1366000	LINR	-3.0904149	1.458e-004	0.99717	0.99000
C-18	36144	150610	401850	743000	1374100	LINR	-2.7255644	1.446e-004	0.99722	0.99000
C-19	36529	151240	396470	738090	1358600	LINR	-2.8624570	1.463e-004	0.99713	0.99000
C-20	36474	152940	395250	734450	1355500	LINR	-2.9164732	1.467e-004	0.99726	0.99000
C-22	33805	155160	402820	747370	1376300	LINR	-2.8211131	1.443e-004	0.99702	0.99000
C-24	35519	144630	401610	697680	1360200	LINR	-2.2348656	1.471e-004	0.99791	0.99000
C-26	34281	151570	397900	736940	1369800	LINR	-2.6015238	1.452e-004	0.99750	0.99000
C-28	36039	150970	392120	732600	1365000	LINR	-2.5560669	1.458e-004	0.99783	0.99000
C-30	36376	151520	391960	738770	1372400	LINR	-2.5151325	1.45e-004	0.99783	0.99000
C-36	33860	147630	331880	702790	1300400	LINR	-1.5475002	1.527e-004	0.99836	0.99000
O-Terphenyl	17102	62349	177850	313630	599300	LINR	-0.9885799	1.332e-004	0.99762	0.99000

FORM VI DRO

eport Date : 27-Sep-2007 12:54

Katahdin Analytical Services

INITIAL CALIBRATION DATA

tart Cal Date : 26-SEP-2007 17:46
nd Cal Date : 26-SEP-2007 20:56
uant Method : ESTD
rigin : Included
arget Version : 4.12
ntegrator : HP Genie
ethod file : \\Target_server\GG\chem\gc10.i\GC10AI25B1.b\tphb020a.m
al Date : 27-Sep-2007 12:44 ktanguay

alibration File Names:
evel 1: \\Target_server\GG\chem\gc10.i\GC10AI25B1.b\AAI4061A.d
evel 2: \\Target_server\GG\chem\gc10.i\GC10AI25B1.b\AAI4060A.d
evel 3: \\Target_server\GG\chem\gc10.i\GC10AI25B1.b\AAI4059A.d
evel 4: \\Target_server\GG\chem\gc10.i\GC10AI25B1.b\AAI4058A.d
evel 5: \\Target_server\GG\chem\gc10.i\GC10AI25B1.b\AAI4057A.d

Compound	5.0000 Level 1	20.0000 Level 2	50.0000 Level 3	100.0000 Level 4	200.0000 Level 5	Curve	Coefficients b	m1	m2	%RSD or R^2	
1 TPH Peaks C9-C36	537323	2144825	5569903	10240564	19070516	LINR	-41.02468	6834		0.99756	
32 TPH-product	+++++	+++++	+++++	+++++	+++++	LINR	0.000e+000	0.000e+000		0.000e+000	<-
2 C-9	57469	161468	414162	729718	1383615	LINR	-4.07798	6875		0.99770	
3 C-10	57864	162742	427803	744165	1371612	LINR	-4.84070	6841		0.99593	
4 C-12	27240	154218	408955	721711	1357761	LINR	-2.72113	6823		0.99672	
5 C-14	37634	155597	403672	736366	1359209	LINR	-3.23282	6827		0.99690	
6 C-16	38089	154535	403447	736928	1365997	LINR	-3.09041	6858		0.99717	
7 C-18	36144	150609	401846	743005	1374137	LINR	-2.72556	6914		0.99722	
9 C-19	36529	151240	396468	738088	1358569	LINR	-2.86246	6836		0.99713	
10 TPH	537323	2144825	5569903	10240564	19070516	LINR	-41.02468	6834		0.99756	
11 C-20	36474	152937	395253	734447	1355522	LINR	-2.91647	6814		0.99726	
12 C-22	33805	155164	402818	747366	1376292	LINR	-2.82111	6928		0.99702	
13 C-24	35519	144632	401612	697677	1360176	LINR	-2.23487	6796		0.99791	
14 C-26	34281	151569	397902	736938	1369854	LINR	-2.60152	6888		0.99750	
15 C-28	36039	150966	392117	732595	1365001	LINR	-2.55607	6857		0.99783	

Sample Data Summary A0000100

eport Date : 27-Sep-2007 12:54

Katahdin Analytical Services

INITIAL CALIBRATION DATA

tart Cal Date : 26-SEP-2007 17:46
nd Cal Date : 26-SEP-2007 20:56
uant Method : ESTD
rigin : Included
arget Version : 4.12
ntegrator : HP Genie
ethod file : \\Target_server\GG\chem\gc10.i\GC10AI25B1.b\tphb020a.m
al Date : 27-Sep-2007 12:44 ktanguay

Compound	5.0000 Level 1	20.0000 Level 2	50.0000 Level 3	100.0000 Level 4	200.0000 Level 5	Curve	Coefficients b	m1	m2	%RSD or R^2
16 C-30	36376	151517	391960	738769	1372384	LINR	-2.51513	6898		0.99783
17 C-36	33860	147631	331883	702791	1300387	LINR	-1.54750	6549		0.99837
8 O-Terphenyl	17102	62349	177848	313632	599297	LINR	-0.98858	7505		0.99762

Sample Data Summary A0000101

eport Date : 27-Sep-2007 12:54

Katahdin Analytical Services

INITIAL CALIBRATION DATA

tart Cal Date : 26-SEP-2007 17:46
nd Cal Date : 26-SEP-2007 20:56
uant Method : ESTD
rigin : Included
arget Version : 4.12
ntegrator : HP Genie
ethod file : \\Target_server\GG\chem\gc10.i\GC10AI25B1.b\tphb020a.m
al Date : 27-Sep-2007 12:44 ktanguay

Curve	Formula	Units
Linear	Amt = b + Rsp/m1	Response

Sample Data Summary A0000102

FORM 7B
SEMIVOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 426 NLON SDG No.: CTO426-1

Instrument ID: GC10 Calibration Date: 09/26/07 Time: 2143

Lab File ID: AAI4062 Init. Calib. Date(s): 09/26/07 09/26/07

Init. Calib. Times: 1746 2056

GC Column: ZB-1 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
DRO Peaks C10-C28	502.52000	500.00000	7294.2000	0.01	0.50	20.00	LINR
C-10	50.389000	50.000000	7556.9000	0.01	0.78	20.00	LINR
C-12	50.206000	50.000000	7222.1000	0.01	0.41	20.00	LINR
C-14	50.350000	50.000000	7316.0000	0.01	0.70	20.00	LINR
C-16	49.756000	50.000000	7248.7000	0.01	-0.49	20.00	LINR
C-18	50.010000	50.000000	7283.1000	0.01	0.02	20.00	LINR
C-20	50.384000	50.000000	7281.4000	0.01	0.77	20.00	LINR
C-22	49.693000	50.000000	7278.3000	0.01	-0.61	20.00	LINR
C-24	51.141000	50.000000	7235.0000	0.01	2.28	20.00	LINR
C-28	50.061000	50.000000	7214.1000	0.01	0.12	20.00	LINR
C-26	50.526000	50.000000	7305.9000	0.01	1.05	20.00	LINR

FORM 7B
SEMIVOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 426 NLON SDG No.: CTO426-1

Instrument ID: GC10 Calibration Date: 01/25/08 Time: 0049

Lab File ID: ABA2193 Init. Calib. Date(s): 09/26/07 09/26/07

Init. Calib. Times: 1746 2056

GC Column: ZB-1 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
TPH Peaks C9-C36	697.41000	700.00000	7208.6000	0.01	-0.37	20.00	LINR
C-9	49.228000	50.000000	7329.8000	0.01	-1.54	20.00	LINR
C-10	49.697000	50.000000	7462.1000	0.01	-0.61	20.00	LINR
C-12	50.375000	50.000000	7245.2000	0.01	0.75	20.00	LINR
C-14	50.460000	50.000000	7331.1000	0.01	0.92	20.00	LINR
C-16	49.500000	50.000000	7213.5000	0.01	-1.00	20.00	LINR
C-18	50.287000	50.000000	7330.4000	0.01	0.57	20.00	LINR
C-19	50.779000	50.000000	7333.8000	0.01	1.56	20.00	LINR
C-20	51.295000	50.000000	7388.3000	0.01	2.59	20.00	LINR
C-22	50.361000	50.000000	7369.3000	0.01	0.72	20.00	LINR
C-24	52.227000	50.000000	7402.4000	0.01	4.45	20.00	LINR
C-26	49.143000	50.000000	7128.4000	0.01	-1.71	20.00	LINR
C-28	50.433000	50.000000	7267.4000	0.01	0.87	20.00	LINR
C-30	43.819000	50.000000	6392.7000	0.01	-12.36	20.00	LINR
C-36	49.809000	50.000000	6726.3000	0.01	-0.38	20.00	LINR
O-Terphenyl	20.192000	20.000000	7947.8000	0.01	0.96	20.00	LINR

FORM VII DRO

FORM 7B
SEMIVOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 426 NLON SDG No.: CTO426-1

Instrument ID: GC10 Calibration Date: 01/25/08 Time: 2042

Lab File ID: ABA2215 Init. Calib. Date(s): 09/26/07 09/26/07

Init. Calib. Times: 1746 2056

GC Column: ZB-1 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
TPH Peaks C9-C36	679.25000	700.00000	7031.6000	0.01	-2.96	20.00	LINR
C-9	48.033000	50.000000	7165.5000	0.01	-3.93	20.00	LINR
C-10	49.880000	50.000000	7487.2000	0.01	-0.24	20.00	LINR
C-12	48.857000	50.000000	7038.0000	0.01	-2.29	20.00	LINR
C-14	47.658000	50.000000	6948.4000	0.01	-4.68	20.00	LINR
C-16	47.753000	50.000000	6973.9000	0.01	-4.49	20.00	LINR
C-18	48.131000	50.000000	7032.2000	0.01	-3.74	20.00	LINR
C-19	48.207000	50.000000	6982.1000	0.01	-3.59	20.00	LINR
C-20	49.476000	50.000000	7140.4000	0.01	-1.05	20.00	LINR
C-22	48.064000	50.000000	7051.2000	0.01	-3.87	20.00	LINR
C-24	49.968000	50.000000	7095.5000	0.01	-0.06	20.00	LINR
C-26	47.079000	50.000000	6844.1000	0.01	-5.84	20.00	LINR
C-28	48.784000	50.000000	7041.3000	0.01	-2.43	20.00	LINR
C-30	48.751000	50.000000	7073.1000	0.01	-2.50	20.00	LINR
C-36	48.607000	50.000000	6568.9000	0.01	-2.79	20.00	LINR
O-Terphenyl	19.563000	20.000000	7711.8000	0.01	-2.18	20.00	LINR

FORM VII DRO

FORM 7B
SEMIVOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 426 NLON SDG No.: CTO426-1

Instrument ID: GC10 Calibration Date: 01/30/08 Time: 1736

Lab File ID: ABA4003 Init. Calib. Date(s): 09/26/07 09/26/07

Init. Calib. Times: 1746 2056

GC Column: ZB-1 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
TPH Peaks C9-C36	710.56000	700.00000	7207.2000	0.01	1.51	20.00	LINR
C-9	49.805000	50.000000	7156.5000	0.01	-0.39	20.00	LINR
C-10	50.540000	50.000000	7398.2000	0.01	1.08	20.00	LINR
C-12	51.147000	50.000000	7227.8000	0.01	2.29	20.00	LINR
C-14	50.572000	50.000000	7221.7000	0.01	1.14	20.00	LINR
C-16	50.189000	50.000000	7174.3000	0.01	0.38	20.00	LINR
C-18	50.501000	50.000000	7209.8000	0.01	1.00	20.00	LINR
C-19	51.021000	50.000000	7273.5000	0.01	2.04	20.00	LINR
C-20	51.797000	50.000000	7320.6000	0.01	3.59	20.00	LINR
C-22	50.793000	50.000000	7271.9000	0.01	1.59	20.00	LINR
C-24	52.855000	50.000000	7281.3000	0.01	5.71	20.00	LINR
C-26	47.099000	50.000000	7019.7000	0.01	-5.80	20.00	LINR
C-28	50.914000	50.000000	7141.6000	0.01	1.83	20.00	LINR
C-30	51.618000	50.000000	7291.0000	0.01	3.24	20.00	LINR
C-36	51.709000	50.000000	6913.2000	0.01	3.42	20.00	LINR
O-Terphenyl	20.092000	20.000000	7748.4000	0.01	0.46	20.00	LINR

FORM VII DRO

FORM 7B
SEMIVOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 426 NLON SDG No.: CTO426-1

Instrument ID: GC10 Calibration Date: 01/31/08 Time: 0306

Lab File ID: ABA4015 Init. Calib. Date(s): 09/26/07 09/26/07

Init. Calib. Times: 1746 2056

GC Column: ZB-1 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
TPH Peaks C9-C36	698.52000	700.00000	7207.2000	0.01	-0.21	20.00	LINR
C-9	46.890000	50.000000	7156.5000	0.01	-6.22	20.00	LINR
C-10	48.943000	50.000000	7398.2000	0.01	-2.11	20.00	LINR
C-12	50.926000	50.000000	7227.8000	0.01	1.85	20.00	LINR
C-14	50.170000	50.000000	7221.7000	0.01	0.34	20.00	LINR
C-16	49.750000	50.000000	7174.3000	0.01	-0.50	20.00	LINR
C-18	49.694000	50.000000	7209.8000	0.01	-0.61	20.00	LINR
C-19	49.961000	50.000000	7273.5000	0.01	-0.08	20.00	LINR
C-20	51.197000	50.000000	7320.6000	0.01	2.39	20.00	LINR
C-22	50.561000	50.000000	7271.9000	0.01	1.12	20.00	LINR
C-24	51.657000	50.000000	7281.3000	0.01	3.31	20.00	LINR
C-26	49.085000	50.000000	7019.7000	0.01	-1.83	20.00	LINR
C-28	50.262000	50.000000	7141.6000	0.01	0.52	20.00	LINR
C-30	50.609000	50.000000	7291.0000	0.01	1.22	20.00	LINR
C-36	48.811000	50.000000	6913.2000	0.01	-2.38	20.00	LINR
O-Terphenyl	20.003000	20.000000	7748.4000	0.01	0.02	20.00	LINR

FORM VII DRO

FORM 7B
SEMIVOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 426 NLON SDG No.: CTO426-1

Instrument ID: GC10 Calibration Date: 01/31/08 Time: 1059

Lab File ID: ABA4025 Init. Calib. Date(s): 09/26/07 09/26/07

Init. Calib. Times: 1746 2056

GC Column: ZB-1 ID: 0.25 (mm)

COMPOUND	RRF or AMOUNT	RRF20.000 or AMOUNT	CCAL RRF20.000	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE
TPH Peaks C9-C36	262.46000	280.00000	7207.2000	0.01	-6.26	20.00	LINR
C-9	18.148000	20.000000	7156.5000	0.01	-9.26	20.00	LINR
C-10	17.336000	20.000000	7398.2000	0.01	-13.32	20.00	LINR
C-12	18.729000	20.000000	7227.8000	0.01	-6.36	20.00	LINR
C-14	18.348000	20.000000	7221.7000	0.01	-8.26	20.00	LINR
C-16	18.409000	20.000000	7174.3000	0.01	-7.96	20.00	LINR
C-18	18.752000	20.000000	7209.8000	0.01	-6.24	20.00	LINR
C-19	19.222000	20.000000	7273.5000	0.01	-3.89	20.00	LINR
C-20	19.588000	20.000000	7320.6000	0.01	-2.06	20.00	LINR
C-22	18.862000	20.000000	7271.9000	0.01	-5.69	20.00	LINR
C-24	19.892000	20.000000	7281.3000	0.01	-0.54	20.00	LINR
C-26	18.725000	20.000000	7019.7000	0.01	-6.38	20.00	LINR
C-28	19.246000	20.000000	7141.6000	0.01	-3.77	20.00	LINR
C-30	19.326000	20.000000	7291.0000	0.01	-3.37	20.00	LINR
C-36	17.873000	20.000000	6913.2000	0.01	-10.64	20.00	LINR
O-Terphenyl	7.5559000	8.0000000	7748.4000	0.01	-5.55	20.00	LINR

FORM VII DRO

FORM 7B
SEMIVOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 426 NLON SDG No.: CTO426-1

Instrument ID: GC10 Calibration Date: 01/31/08 Time: 2139

Lab File ID: ABA4038 Init. Calib. Date(s): 09/26/07 09/26/07

Init. Calib. Times: 1746 2056

GC Column: ZB-1 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
TPH Peaks C9-C36	688.33000	700.00000	7207.2000	0.01	-1.67	20.00	LINR
C-9	48.906000	50.000000	7156.5000	0.01	-2.19	20.00	LINR
C-10	49.504000	50.000000	7398.2000	0.01	-0.99	20.00	LINR
C-12	49.930000	50.000000	7227.8000	0.01	-0.14	20.00	LINR
C-14	49.105000	50.000000	7221.7000	0.01	-1.79	20.00	LINR
C-16	48.593000	50.000000	7174.3000	0.01	-2.81	20.00	LINR
C-18	48.816000	50.000000	7209.8000	0.01	-2.37	20.00	LINR
C-19	49.763000	50.000000	7273.5000	0.01	-0.47	20.00	LINR
C-20	50.213000	50.000000	7320.6000	0.01	0.43	20.00	LINR
C-22	49.017000	50.000000	7271.9000	0.01	-1.97	20.00	LINR
C-24	50.727000	50.000000	7281.3000	0.01	1.45	20.00	LINR
C-26	47.623000	50.000000	7019.7000	0.01	-4.75	20.00	LINR
C-28	48.801000	50.000000	7141.6000	0.01	-2.40	20.00	LINR
C-30	49.292000	50.000000	7291.0000	0.01	-1.42	20.00	LINR
C-36	48.041000	50.000000	6913.2000	0.01	-3.92	20.00	LINR
O-Terphenyl	19.392000	20.000000	7748.4000	0.01	-3.04	20.00	LINR

FORM VII DRO

FORM 7B
SEMIVOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 426 NLON SDG No.: CTO426-1

Instrument ID: GC10 Calibration Date: 02/01/08 Time: 0842

Lab File ID: ABA4052 Init. Calib. Date(s): 09/26/07 09/26/07

Init. Calib. Times: 1746 2056

GC Column: ZB-1 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
TPH Peaks C9-C36	697.30000	700.00000	7207.2000	0.01	-0.38	20.00	LINR
C-9	47.968000	50.000000	7156.5000	0.01	-4.06	20.00	LINR
C-10	49.229000	50.000000	7398.2000	0.01	-1.54	20.00	LINR
C-12	50.248000	50.000000	7227.8000	0.01	0.50	20.00	LINR
C-14	49.659000	50.000000	7221.7000	0.01	-0.68	20.00	LINR
C-16	49.214000	50.000000	7174.3000	0.01	-1.57	20.00	LINR
C-18	49.415000	50.000000	7209.8000	0.01	-1.17	20.00	LINR
C-19	50.338000	50.000000	7273.5000	0.01	0.68	20.00	LINR
C-20	50.798000	50.000000	7320.6000	0.01	1.60	20.00	LINR
C-22	49.658000	50.000000	7271.9000	0.01	-0.68	20.00	LINR
C-24	51.336000	50.000000	7281.3000	0.01	2.67	20.00	LINR
C-26	48.354000	50.000000	7019.7000	0.01	-3.29	20.00	LINR
C-28	49.516000	50.000000	7141.6000	0.01	-0.97	20.00	LINR
C-30	50.331000	50.000000	7291.0000	0.01	0.66	20.00	LINR
C-36	51.236000	50.000000	6913.2000	0.01	2.47	20.00	LINR
O-Terphenyl	19.661000	20.000000	7748.4000	0.01	-1.70	20.00	LINR

FORM VII DRO

FORM 8
DRO ANALYTICAL SEQUENCE

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 426 NLON SDG No.: CTO426-1

GC Column: ZB-1 ID: 0.25 (mm) Init. Calib. Date(s): 09/26/07 09/26/07

Instrument ID: GC10

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION
S1 : 14.64

	CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	S1 RT #	RT #
01		PHC 200UG/ML	09/26/07	1746	14.65	
02		PHC 100UG/ML	09/26/07	1834	14.64	
03		PHC 50UG/ML	09/26/07	1921	14.63	
04		PHC 20UG/ML	09/26/07	2008	14.63	
05		PHC 5UG/ML	09/26/07	2056	14.64	
06		IND 50UG/ML	09/26/07	2143		
07						
08						
09						
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S1 = O-Terphenyl QC LIMITS (+/- 0.44 MINUTES)

Column used to flag retention time values with an asterisk.
* Values outside of QC limits.

FORM VIII DRO

FORM 8
DRO ANALYTICAL SEQUENCE

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 426 NLON SDG No.: CTO426-1

GC Column: ZB-1 ID: 0.25 (mm) Init. Calib. Date(s): 09/26/07 09/26/07

Instrument ID: GC10

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION
S1 : 14.29

	CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	S1 RT #	RT #
01		PHC 50UG/ML	01/25/08	0049	14.24	
02	WG47479-BLAN	WG47479-1	01/25/08	0400	14.24	
03	WG47479-LCS	WG47479-2	01/25/08	0447	14.24	
04	WG47479-LCSD	WG47479-3	01/25/08	0535	14.24	
05		PHC 50UG/ML	01/25/08	2042	14.23	
06		PHC 50UG/ML	01/30/08	1736	14.17	
07	AWD-GW-MW403	SB0196-1DL	01/30/08	1911	14.16	
08	AWD-GW-MW301	SB0196-3	01/30/08	2134	14.15	
09	AWD-GW-MW14-	SB0196-5	01/30/08	2357	14.15	
10	AWD-GW-DUP2	SB0196-6	01/31/08	0044	14.15	
11		PHC 50UG/ML	01/31/08	0306	14.16	
12	AWD-SW-SW1-2	SB0230-1	01/31/08	0442	14.16	
13	AWD-SW-PZ203	SB0230-2	01/31/08	0529	14.16	
14	AWD-GW-MW202	SB0230-3DL	01/31/08	0704	14.17	
15	AWD-SW-DUP1	SB0230-5	01/31/08	0751	14.16	
16		PHC 20UG/ML	01/31/08	1059	14.18	
17	AWD-GW-MW101	SB0168-1	01/31/08	1151	14.17	
18	AWD-GW-MW102	SB0168-2	01/31/08	1239	14.16	
19	WD-GW-MW103-	SB0168-3	01/31/08	1326	14.17	
20	AWD-GW-MW104	SB0168-4	01/31/08	1413	14.17	

QC LIMITS
(+/- 0.43 MINUTES)

S1 = O-Terphenyl

Column used to flag retention time values with an asterisk.
* Values outside of QC limits.

FORM VIII DRO

FORM 8
DRO ANALYTICAL SEQUENCE

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 426 NLON SDG No.: CTO426-1

GC Column: ZB-1 ID: 0.25 (mm) Init. Calib. Date(s): 09/26/07 09/26/07

Instrument ID: GC10

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION
S1 : 14.29

	CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	S1 RT #	RT #
01	AWD-GW-MW201	SB0168-5	01/31/08	1500	14.17	
02	AWD-GW-MW302	SB0168-7	01/31/08	1546	14.16	
03	AWD-GW-MW303	SB0168-8	01/31/08	1654	14.16	
04	AWD-GW-MW304	SB0168-9	01/31/08	1742	14.16	
05	AWD-GW-MW401	SB0168-10	01/31/08	1829	14.16	
06	AWD-GW-MW402	SB0168-11	01/31/08	1916	14.15	
07	AWD-GW-DUP1	SB0168-12	01/31/08	2004	14.15	
08		PHC 50UG/ML	01/31/08	2139	14.15	
09	WG47340-BLAN	WG47340-1	01/31/08	2226	14.16	
10	WG47340-LCS	WG47340-2	01/31/08	2314	14.16	
11	WD-GW-MW103-	WG47340-3	02/01/08	0001	14.16	
12	WD-GW-MW103-	WG47340-4	02/01/08	0049	14.16	
13	AWD-GW-MW404	SB0196-2	02/01/08	0136	14.15	
14	AWD-GW-MW305	SB0196-4	02/01/08	0224	14.15	
15		PHC 50UG/ML	02/01/08	0842	14.17	
16						
17						
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QC LIMITS
S1 = O-Terphenyl (+/- 0.43 MINUTES)

Column used to flag retention time values with an asterisk.
* Values outside of QC limits.

FORM VIII DRO

VOLATILES DATA

QC Summary Section

FORM 2
WATER VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 426 NLON SDG No.: CTO426-1

	CLIENT SAMPLE ID	LAB SAMPLE ID	SMC1 DBF#	SMC2 DCA#	SMC3 TOL#	SMC4 BFB#	TOT OUT
01	WG47493-LCS	WG47493-1	83	76	88	71	0
02	WG47493-BLANK	WG47493-2	87	80	93	72	0
03	AWD-GW-TB1	SB0168-13	84	80	88	85	0
04	AWD-GW-MW101-2008	SB0168-1	89	88	87	70	0
05	WG47521-LCS	WG47521-1	81	85	89	84	0
06	WG47521-BLANK	WG47521-2	82	87	92	88	0
07	AWD-GW-TB2	SB0196-7	83	92	98	92	0
08	WD-GW-MW103-2008	SB0168-3	80	90	86	83	0
09	AWD-GW-MW104-2008	SB0168-4	85	93	88	83	0
10	AWD-GW-MW201-2008	SB0168-5	85	94	85	86	0
11	AWD-GW-MW304-2008	SB0168-9	82	92	90	87	0
12	AWD-GW-MW401-2008	SB0168-10	85	95	91	92	0
13	AWD-GW-MW301-2008	SB0196-3	88	100	92	89	0
14	AWD-GW-MW14-2008	SB0196-5	85	101	91	92	0
15	AWD-GW-DUP2	SB0196-6	89	105	91	87	0
16	WD-GW-MW103-2008MS	WG47521-3	86	97	90	92	0
17	WD-GW-MW103-2008MSD	WG47521-4	83	92	88	89	0
18	WG47570-LCS	WG47570-1	80	86	85	91	0
19	WG47570-BLANK	WG47570-2	83	89	97	91	0
20	AWD-GW-MW102-2008	SB0168-2	88	93	99	91	0
21	AWD-GW-MW302-2008	SB0168-7	81	91	92	90	0
22	AWD-GW-MW303-2008	SB0168-8	82	89	86	91	0
23	AWD-GW-MW402-2008	SB0168-11	82	87	91	91	0
24	AWD-GW-DUP1	SB0168-12	82	86	86	84	0
25	AWD-GW-MW403-2008	SB0196-1	84	84	94	88	0
26	AWD-GW-MW404-2008	SB0196-2	80	84	92	90	0
27	AWD-GW-MW305-2008	SB0196-4	83	84	90	86	0
28	WG47623-LCS	WG47623-1	93	94	95	92	0

		QC LIMITS
SMC1 (DBF)	= Dibromofluoromethane	(76-114)
SMC2 (DCA)	= 1,2-Dichloroethane-D4	(71-128)
SMC3 (TOL)	= Toluene-D8	(74-117)
SMC4 (BFB)	= P-Bromofluorobenzene	(67-127)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D System Monitoring Compound diluted out

FORM 2
WATER VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 426 NLON SDG No.: CTO426-1

	CLIENT SAMPLE ID	LAB SAMPLE ID	SMC1 DBF#	SMC2 DCA#	SMC3 TOL#	SMC4 BFB#	TOT OUT
01	WG47623-BLANK	WG47623-2	99	96	98	92	0
02	AWD-GW-TB3	SB0230-4	100	101	93	94	0
03	AWD-SW-SW1-20080111	SB0230-1	102	106	103	100	0
04	AWD-SW-PZ203-200801	SB0230-2	101	108	98	95	0
05	AWD-GW-MW202-200801	SB0230-3	106	108	99	91	0
06	AWD-SW-DUP1	SB0230-5	103	112	98	98	0
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08							
09							
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26							
27							
28							

		QC LIMITS
SMC1 (DBF)	= Dibromofluoromethane	(76-114)
SMC2 (DCA)	= 1,2-Dichloroethane-D4	(71-128)
SMC3 (TOL)	= Toluene-D8	(74-117)
SMC4 (BFB)	= P-Bromofluorobenzene	(67-127)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D System Monitoring Compound diluted out

FORM 4
VOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE ID

WG47623-BLANK

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 426 NLON SDG No.: CTO426-1

Lab File ID: F8746 Lab Sample ID: WG47623-2

Date Analyzed: 01/21/08 Time Analyzed: 1518

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) N

Instrument ID: GCMS-F

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	WG47623-LCS	WG47623-1	F8744	01/21/08	1359
02	AWD-GW-TB3	SB0230-4	F8747	01/21/08	1549
03	AWD-SW-SW1-20080111	SB0230-1	F8751	01/21/08	1752
04	AWD-SW-PZ203-200801	SB0230-2	F8752	01/21/08	1823
05	AWD-GW-MW202-200801	SB0230-3	F8753	01/21/08	1854
06	AWD-SW-DUP1	SB0230-5	F8754	01/21/08	1925
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09					
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COMMENTS:

FORM IVVOA

FORM 4
VOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE ID

WG47521-BLANK

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 426 NLON SDG No.: CTO426-1

Lab File ID: S8701 Lab Sample ID: WG47521-2

Date Analyzed: 01/17/08 Time Analyzed: 1028

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	WG47521-LCS	WG47521-1	S8699	01/17/08	0916
02	AWD-GW-TB2	SB0196-7	S8702	01/17/08	1109
03	WD-GW-MW103-2008	SB0168-3	S8705	01/17/08	1242
04	AWD-GW-MW104-2008	SB0168-4	S8706	01/17/08	1313
05	AWD-GW-MW201-2008	SB0168-5	S8707	01/17/08	1344
06	AWD-GW-MW304-2008	SB0168-9	S8708	01/17/08	1415
07	AWD-GW-MW401-2008	SB0168-10	S8709	01/17/08	1446
08	AWD-GW-MW301-2008	SB0196-3	S8715	01/17/08	1752
09	AWD-GW-MW14-2008	SB0196-5	S8716	01/17/08	1823
10	AWD-GW-DUP2	SB0196-6	S8717	01/17/08	1854
11	WD-GW-MW103-2008MS	WG47521-3	S8718	01/17/08	1925
12	WD-GW-MW103-2008MSD	WG47521-4	S8719	01/17/08	1957
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COMMENTS:

FORM IVVOA

FORM 4
VOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE ID

WG47570-BLANK

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 426 NLON SDG No.: CTO426-1

Lab File ID: S8737 Lab Sample ID: WG47570-2

Date Analyzed: 01/18/08 Time Analyzed: 1231

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	WG47570-LCS	WG47570-1	S8735	01/18/08	1118
02	AWD-GW-MW102-2008	SB0168-2	S8738	01/18/08	1315
03	AWD-GW-MW302-2008	SB0168-7	S8739	01/18/08	1346
04	AWD-GW-MW303-2008	SB0168-8	S8740	01/18/08	1417
05	AWD-GW-MW402-2008	SB0168-11	S8741	01/18/08	1448
06	AWD-GW-DUP1	SB0168-12	S8742	01/18/08	1519
07	AWD-GW-MW403-2008	SB0196-1	S8743	01/18/08	1550
08	AWD-GW-MW404-2008	SB0196-2	S8744	01/18/08	1621
09	AWD-GW-MW305-2008	SB0196-4	S8745	01/18/08	1652
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COMMENTS:

FORM IVVOA

FORM 4
VOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE ID

WG47493-BLANK

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 426 NLON SDG No.: CTO426-1

Lab File ID: Z6397 Lab Sample ID: WG47493-2

Date Analyzed: 01/16/08 Time Analyzed: 1335

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) N

Instrument ID: GCMS-Z

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	WG47493-LCS	WG47493-1	Z6395	01/16/08	1219
02	AWD-GW-TB1	SB0168-13	Z6398	01/16/08	1417
03	AWD-GW-MW101-2008	SB0168-1	Z6410	01/16/08	2044
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COMMENTS:

FORM IVVOA

FORM 5
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 426 NLON SDG No.: CTO426-1

Lab File ID: FB836 BFB Injection Date: 01/21/08

Instrument ID: GCMS-F BFB Injection Time: 0952

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	20.6
75	30.0 - 60.0% of mass 95	42.4
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	8.4
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	Greater than 50.0% of mass 95	85.4
175	5.0 - 9.0% of mass 174	7.4 (8.6)1
176	95.0 - 101.0% of mass 174	84.7 (99.1)1
177	5.0 - 9.0% of mass 176	6.5 (7.7)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01		VSTD050F21C	F8737	01/21/08	1004
02		VSTD200F21A	F8738	01/21/08	1055
03		VSTD100F21A	F8739	01/21/08	1125
04		VSTD020F21A	F8740	01/21/08	1156
05		VSTD005F21A	F8741	01/21/08	1227
06		VSTD001F21A	F8742	01/21/08	1258
07	WG47623-LCS	WG47623-1	F8744	01/21/08	1359
08	WG47623-BLANK	WG47623-2	F8746	01/21/08	1518
09	AWD-GW-TB3	SB0230-4	F8747	01/21/08	1549
10	AWD-SW-SW1-20080111	SB0230-1	F8751	01/21/08	1752
11	AWD-SW-PZ203-200801	SB0230-2	F8752	01/21/08	1823
12	AWD-GW-MW202-200801	SB0230-3	F8753	01/21/08	1854
13	AWD-SW-DUP1	SB0230-5	F8754	01/21/08	1925
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FORM V VOA

FORM 5
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 426 NLON SDG No.: CTO426-1

Lab File ID: SB701 BFB Injection Date: 01/16/08

Instrument ID: GCMS-S BFB Injection Time: 1248

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	19.3
75	30.0 - 60.0% of mass 95	44.6
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.3
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	Greater than 50.0% of mass 95	99.4
175	5.0 - 9.0% of mass 174	6.7 (6.8)1
176	95.0 - 101.0% of mass 174	94.5 (95.1)1
177	5.0 - 9.0% of mass 176	6.0 (6.3)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01		VSTD200S16A	S8689	01/16/08	1557
02		VSTD100S16A	S8690	01/16/08	1628
03		VSTD050S16C	S8691	01/16/08	1659
04		VSTD020S16A	S8692	01/16/08	1730
05		VSTD005S16A	S8693	01/16/08	1801
06		VSTD001S16B	S8696	01/16/08	1934
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FORM V VOA

FORM 5
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 426 NLON SDG No.: CTO426-1

Lab File ID: SB702 BFB Injection Date: 01/17/08

Instrument ID: GCMS-S BFB Injection Time: 0812

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	53.5
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.4
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	Greater than 50.0% of mass 95	60.3
175	5.0 - 9.0% of mass 174	4.7 (7.8)1
176	95.0 - 101.0% of mass 174	58.5 (97.0)1
177	5.0 - 9.0% of mass 176	4.6 (7.8)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		VSTD050S17A	S8698	01/17/08	0835
02	WG47521-LCS	WG47521-1	S8699	01/17/08	0916
03	WG47521-BLANK	WG47521-2	S8701	01/17/08	1028
04	AWD-GW-TB2	SB0196-7	S8702	01/17/08	1109
05	WD-GW-MW103-2008	SB0168-3	S8705	01/17/08	1242
06	AWD-GW-MW104-2008	SB0168-4	S8706	01/17/08	1313
07	AWD-GW-MW201-2008	SB0168-5	S8707	01/17/08	1344
08	AWD-GW-MW304-2008	SB0168-9	S8708	01/17/08	1415
09	AWD-GW-MW401-2008	SB0168-10	S8709	01/17/08	1446
10	AWD-GW-MW301-2008	SB0196-3	S8715	01/17/08	1752
11	AWD-GW-MW14-2008	SB0196-5	S8716	01/17/08	1823
12	AWD-GW-DUP2	SB0196-6	S8717	01/17/08	1854
13	WD-GW-MW103-2008MS	WG47521-3	S8718	01/17/08	1925
14	WD-GW-MW103-2008MSD	WG47521-4	S8719	01/17/08	1957
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FORM V VOA

FORM 5
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 426 NLON SDG No.: CTO426-1

Lab File ID: SB704 BFB Injection Date: 01/18/08

Instrument ID: GCMS-S BFB Injection Time: 0929

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	51.4
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.7
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	Greater than 50.0% of mass 95	67.2
175	5.0 - 9.0% of mass 174	4.8 (7.1)1
176	95.0 - 101.0% of mass 174	65.3 (97.1)1
177	5.0 - 9.0% of mass 176	4.3 (6.6)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01		VSTD050S18B	S8733	01/18/08	0951
02	WG47570-LCS	WG47570-1	S8735	01/18/08	1118
03	WG47570-BLANK	WG47570-2	S8737	01/18/08	1231
04	AWD-GW-MW102-2008	SB0168-2	S8738	01/18/08	1315
05	AWD-GW-MW302-2008	SB0168-7	S8739	01/18/08	1346
06	AWD-GW-MW303-2008	SB0168-8	S8740	01/18/08	1417
07	AWD-GW-MW402-2008	SB0168-11	S8741	01/18/08	1448
08	AWD-GW-DUP1	SB0168-12	S8742	01/18/08	1519
09	AWD-GW-MW403-2008	SB0196-1	S8743	01/18/08	1550
10	AWD-GW-MW404-2008	SB0196-2	S8744	01/18/08	1621
11	AWD-GW-MW305-2008	SB0196-4	S8745	01/18/08	1652
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FORM V VOA

FORM 5
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 426 NLON SDG No.: CTO426-1

Lab File ID: ZB780 BFB Injection Date: 01/14/08

Instrument ID: GCMS-Z BFB Injection Time: 1252

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	21.2
75	30.0 - 60.0% of mass 95	39.5
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.4
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	Greater than 50.0% of mass 95	75.0
175	5.0 - 9.0% of mass 174	6.4 (8.6)1
176	95.0 - 101.0% of mass 174	73.9 (98.5)1
177	5.0 - 9.0% of mass 176	5.5 (7.4)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01		VSTD200Z14A	Z6352	01/14/08	1427
02		VSTD100Z14A	Z6353	01/14/08	1459
03		VSTD050Z14A	Z6354	01/14/08	1531
04		VSTD020Z14A	Z6355	01/14/08	1603
05		VSTD005Z14A	Z6356	01/14/08	1635
06		VSTD001Z14A	Z6357	01/14/08	1708
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FORM V VOA

FORM 5
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 426 NLON SDG No.: CTO426-1

Lab File ID: ZB783 BFB Injection Date: 01/16/08

Instrument ID: GCMS-Z BFB Injection Time: 1028

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	20.8
75	30.0 - 60.0% of mass 95	44.9
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.1
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	Greater than 50.0% of mass 95	75.3
175	5.0 - 9.0% of mass 174	5.0 (6.7)1
176	95.0 - 101.0% of mass 174	75.0 (99.5)1
177	5.0 - 9.0% of mass 176	5.2 (6.9)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01		VSTD050Z16B	Z6393	01/16/08	1052
02	WG47493-LCS	WG47493-1	Z6395	01/16/08	1219
03	WG47493-BLANK	WG47493-2	Z6397	01/16/08	1335
04	AWD-GW-TB1	SB0168-13	Z6398	01/16/08	1417
05	AWD-GW-MW101-2008	SB0168-1	Z6410	01/16/08	2044
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FORM V VOA

FORM 8
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 426 NLON SDG No.: CTO426-1

Lab File ID (Standard): F8737 Date Analyzed: 01/21/08

Instrument ID: GCMS-F Time Analyzed: 1004

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) N

		IS1(PFB) AREA #	RT #	IS2(DFB) AREA #	RT #	IS3(CBZ) AREA #	RT #
12 HOUR STD		535128	6.48	685783	7.69	571710	11.61
UPPER LIMIT		1070256	6.98	1371566	8.19	1143420	12.11
LOWER LIMIT		267564	5.98	342892	7.19	285855	11.11
CLIENT SAMPLE ID	LAB SAMPLE ID						
01 WG47623-LCS	WG47623-1	461062	6.48	588620	7.68	490922	11.62
02 WG47623-BLANK	WG47623-2	424611	6.47	522880	7.67	464022	11.61
03 AWD-GW-TB3	SB0230-4	399559	6.46	537617	7.67	441640	11.62
04 AWD-SW-SW1-20080111	SB0230-1	360915	6.46	474374	7.66	398592	11.60
05 AWD-SW-PZ203-200801	SB0230-2	362643	6.44	462529	7.65	396415	11.61
06 AWD-GW-MW202-200801	SB0230-3	332276	6.43	452046	7.65	379477	11.60
07 AWD-SW-DUP1	SB0230-5	338217	6.44	440361	7.65	383683	11.60
08							
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IS1 (PFB) = Pentafluorobenzene
IS2 (DFB) = 1,4-Difluorobenzene
IS3 (CBZ) = Chlorobenzene-D5

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

FORM VIII VOA

FORM 8
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 426 NLON SDG No.: CTO426-1

Lab File ID (Standard): F8737 Date Analyzed: 01/21/08

Instrument ID: GCMS-F Time Analyzed: 1004

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) N

	IS4(DCB) AREA #	RT #	AREA #	RT #	AREA #	RT #
12 HOUR STD	309249	14.66				
UPPER LIMIT	618498	15.16				
LOWER LIMIT	154625	14.16				

	CLIENT SAMPLE ID	LAB SAMPLE ID						
01	WG47623-LCS	WG47623-1	267544	14.66				
02	WG47623-BLANK	WG47623-2	223614	14.66				
03	AWD-GW-TB3	SB0230-4	223512	14.66				
04	AWD-SW-SW1-20080111	SB0230-1	201573	14.66				
05	AWD-SW-PZ203-200801	SB0230-2	206432	14.65				
06	AWD-GW-MW202-200801	SB0230-3	178853	14.65				
07	AWD-SW-DUP1	SB0230-5	198769	14.66				
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IS4 (DCB) = 1,4-Dichlorobenzene-D4

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

FORM VIII VOA

FORM 8
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 426 NLON SDG No.: CTO426-1

Lab File ID (Standard): S8698 Date Analyzed: 01/17/08

Instrument ID: GCMS-S Time Analyzed: 0835

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) N

	IS1(PFB) AREA #	RT #	IS2(DFB) AREA #	RT #	IS3(CBZ) AREA #	RT #
12 HOUR STD	628556	9.12	887687	9.83	767984	13.27
UPPER LIMIT	1257112	9.62	1775374	10.33	1535968	13.77
LOWER LIMIT	314278	8.62	443844	9.33	383992	12.77

	CLIENT SAMPLE ID	LAB SAMPLE ID						
01	WG47521-LCS	WG47521-1	629055	9.11	928474	9.84	754993	13.28
02	WG47521-BLANK	WG47521-2	602684	9.12	874294	9.83	746359	13.28
03	AWD-GW-TB2	SB0196-7	644980	9.12	853253	9.83	765646	13.28
04	WD-GW-MW103-2008	SB0168-3	593040	9.12	834099	9.84	705513	13.28
05	AWD-GW-MW104-2008	SB0168-4	563371	9.13	842276	9.84	710100	13.28
06	AWD-GW-MW201-2008	SB0168-5	564120	9.12	805577	9.83	708139	13.29
07	AWD-GW-MW304-2008	SB0168-9	538614	9.13	754477	9.84	670442	13.28
08	AWD-GW-MW401-2008	SB0168-10	555709	9.13	802973	9.83	685517	13.29
09	AWD-GW-MW301-2008	SB0196-3	524789	9.13	756814	9.84	639035	13.28
10	AWD-GW-MW14-2008	SB0196-5	536872	9.12	786930	9.83	669763	13.29
11	AWD-GW-DUP2	SB0196-6	533635	9.13	775279	9.83	659824	13.29
12	WD-GW-MW103-2008MS	WG47521-3	532954	9.13	781780	9.84	667902	13.28
13	WD-GW-MW103-2008MSD	WG47521-4	580705	9.13	813121	9.84	669910	13.28
14								
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IS1 (PFB) = Pentafluorobenzene
IS2 (DFB) = 1,4-Difluorobenzene
IS3 (CBZ) = Chlorobenzene-D5

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

FORM 8
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 426 NLON SDG No.: CTO426-1

Lab File ID (Standard): S8698 Date Analyzed: 01/17/08

Instrument ID: GCMS-S Time Analyzed: 0835

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) N

	IS4(DCB) AREA #	RT #	AREA #	RT #	AREA #	RT #
12 HOUR STD	413885	16.42				
UPPER LIMIT	827770	16.92				
LOWER LIMIT	206943	15.92				

	CLIENT SAMPLE ID	LAB SAMPLE ID						
01	WG47521-LCS	WG47521-1	416142	16.42				
02	WG47521-BLANK	WG47521-2	385025	16.42				
03	AWD-GW-TB2	SB0196-7	371009	16.43				
04	WD-GW-MW103-2008	SB0168-3	351627	16.42				
05	AWD-GW-MW104-2008	SB0168-4	343683	16.43				
06	AWD-GW-MW201-2008	SB0168-5	327065	16.43				
07	AWD-GW-MW304-2008	SB0168-9	342134	16.43				
08	AWD-GW-MW401-2008	SB0168-10	347785	16.43				
09	AWD-GW-MW301-2008	SB0196-3	317849	16.43				
10	AWD-GW-MW14-2008	SB0196-5	318625	16.43				
11	AWD-GW-DUP2	SB0196-6	331082	16.43				
12	WD-GW-MW103-2008MS	WG47521-3	383955	16.42				
13	WD-GW-MW103-2008MSD	WG47521-4	366779	16.42				
14								
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IS4 (DCB) = 1,4-Dichlorobenzene-D4

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

FORM VIII VOA

FORM 8
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 426 NLON SDG No.: CTO426-1

Lab File ID (Standard): S8733 Date Analyzed: 01/18/08

Instrument ID: GCMS-S Time Analyzed: 0951

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) N

	IS1(PFB) AREA #	RT #	IS2(DFB) AREA #	RT #	IS3(CBZ) AREA #	RT #
12 HOUR STD	575463	9.15	821948	9.86	718198	13.30
UPPER LIMIT	1150926	9.65	1643896	10.36	1436396	13.80
LOWER LIMIT	287732	8.65	410974	9.36	359099	12.80

	CLIENT SAMPLE ID	LAB SAMPLE ID						
01	WG47570-LCS	WG47570-1	622378	9.15	858931	9.86	721068	13.30
02	WG47570-BLANK	WG47570-2	602349	9.15	798383	9.87	760667	13.31
03	AWD-GW-MW102-2008	SB0168-2	580925	9.15	784808	9.86	716571	13.31
04	AWD-GW-MW302-2008	SB0168-7	606425	9.15	817908	9.86	687689	13.31
05	AWD-GW-MW303-2008	SB0168-8	573173	9.15	833559	9.87	697954	13.31
06	AWD-GW-MW402-2008	SB0168-11	632069	9.15	864921	9.86	752330	13.30
07	AWD-GW-DUP1	SB0168-12	644515	9.15	909891	9.86	800181	13.31
08	AWD-GW-MW403-2008	SB0196-1	641874	9.15	906016	9.86	774799	13.30
09	AWD-GW-MW404-2008	SB0196-2	649098	9.15	897533	9.86	805890	13.30
10	AWD-GW-MW305-2008	SB0196-4	638500	9.15	943636	9.86	806836	13.30
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								

IS1 (PFB) = Pentafluorobenzene
IS2 (DFB) = 1,4-Difluorobenzene
IS3 (CBZ) = Chlorobenzene-D5

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

FORM VIII VOA

FORM 8
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 426 NLON SDG No.: CTO426-1

Lab File ID (Standard): S8733 Date Analyzed: 01/18/08

Instrument ID: GCMS-S Time Analyzed: 0951

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) N

		IS4(DCB) AREA #	RT #	AREA #	RT #	AREA #	RT #
12 HOUR STD		389229	16.44				
UPPER LIMIT		778458	16.94				
LOWER LIMIT		194615	15.94				
CLIENT SAMPLE ID	LAB SAMPLE ID						
01 WG47570-LCS	WG47570-1	376791	16.44				
02 WG47570-BLANK	WG47570-2	340230	16.45				
03 AWD-GW-MW102-2008	SB0168-2	364211	16.45				
04 AWD-GW-MW302-2008	SB0168-7	336550	16.45				
05 AWD-GW-MW303-2008	SB0168-8	377174	16.45				
06 AWD-GW-MW402-2008	SB0168-11	394271	16.44				
07 AWD-GW-DUP1	SB0168-12	398048	16.45				
08 AWD-GW-MW403-2008	SB0196-1	415310	16.45				
09 AWD-GW-MW404-2008	SB0196-2	416378	16.45				
10 AWD-GW-MW305-2008	SB0196-4	399332	16.44				
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							

IS4 (DCB) = 1,4-Dichlorobenzene-D4

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

FORM 8
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 426 NLON SDG No.: CTO426-1

Lab File ID (Standard): Z6393 Date Analyzed: 01/16/08

Instrument ID: GCMS-Z Time Analyzed: 1052

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) N

		IS1(PFB) AREA #	RT #	IS2(DFB) AREA #	RT #	IS3(CBZ) AREA #	RT #
12 HOUR STD		474979	10.12	661176	10.74	548483	14.26
UPPER LIMIT		949958	10.62	1322352	11.24	1096966	14.76
LOWER LIMIT		237490	9.62	330588	10.24	274242	13.76
	CLIENT SAMPLE ID	LAB SAMPLE ID					
01	WG47493-LCS	WG47493-1	498473	10.12	685804	10.75	606455	14.26
02	WG47493-BLANK	WG47493-2	459210	10.11	644577	10.74	568485	14.26
03	AWD-GW-TB1	SB0168-13	450614	10.12	650127	10.74	547292	14.26
04	AWD-GW-MW101-2008	SB0168-1	414187	10.11	664968	10.73	490207	14.25
05								
06								
07								
08								
09								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								

IS1 (PFB) = Pentafluorobenzene
IS2 (DFB) = 1,4-Difluorobenzene
IS3 (CBZ) = Chlorobenzene-D5

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

FORM VIII VOA

FORM 8
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 426 NLON SDG No.: CTO426-1

Lab File ID (Standard): Z6393 Date Analyzed: 01/16/08

Instrument ID: GCMS-Z Time Analyzed: 1052

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) N

		IS4(DCB) AREA #	RT #	AREA #	RT #	AREA #	RT #
12 HOUR STD		296621	17.42				
UPPER LIMIT		593242	17.92				
LOWER LIMIT		148311	16.92				
CLIENT SAMPLE ID	LAB SAMPLE ID						
01 WG47493-LCS	WG47493-1	297511	17.42				
02 WG47493-BLANK	WG47493-2	275536	17.42				
03 AWD-GW-TB1	SB0168-13	252363	17.42				
04 AWD-GW-MW101-2008	SB0168-1	255929	17.41				
05							
06							
07							
08							
09							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							

IS4 (DCB) = 1,4-Dichlorobenzene-D4

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

Sample Data Section

KATAHDIN ANALYTICAL SERVICES - ORGANIC DATA QUALIFIERS

U Indicates the compound was analyzed for but not detected above the laboratory Practical Quantitation Limit.

* Compound recovery outside of quality control limits.

D Indicates the result was obtained from analysis of a diluted sample. Surrogate recoveries may not be calculable.

E Estimated value. This flag identifies compounds whose concentrations exceed the upper level of the calibration range of the instrument for that specific analysis.

J Estimated value. The analyte was detected in the sample at a concentration less than the laboratory Practical Quantitation Limit (PQL), but above the Method Detection Limit (MDL).

or

J Used for Pesticide/Aroclor analyte when there is a greater than 40% difference for detected concentrations between the two GC columns.

B Indicates the analyte was detected in the laboratory method blank analyzed concurrently with the sample.

N Presumptive evidence of a compound based on a mass spectral library search.

A Indicates that a tentatively identified compound is a suspected aldol-condensation product.

P Used for Pesticide/Aroclor analyte when there is a greater than 25% difference for detected concentrations between the two GC columns. (for CLP methods only).

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
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 01/08/08
Received Date: 01/10/08
Extraction Date:
Analysis Date: 16-JAN-2008 20:44
Report Date: 01/30/2008
Matrix: WATER
% Solids: NA

Lab ID: SB0168-1
Client ID: AWD-GW-MW101-2008
SDG: CTO426-1
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG47493
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
1634-04-4	Methyl tert-butyl ether	U	1	1.0	1	1	0.6
71-43-2	Benzene	U	1	1.0	1	1	0.4
108-88-3	Toluene	U	1	1.0	1	1	0.3
100-41-4	Ethylbenzene	U	1	1.0	1	1	0.4
1330-20-7	Xylenes (total)	U	3	1.0	3	3	0.4
	m+p-Xylenes	U	2	1.0	2	2	1.0
95-47-6	o-Xylene	U	1	1.0	1	1	0.4
98-82-8	Isopropylbenzene	U	1	1.0	1	1	0.5
91-20-3	Naphthalene	U	1	1.0	1	1	0.4
1868-53-7	Dibromofluoromethane		89%				
17060-07-0	1,2-Dichloroethane-D4		88%				
2037-26-5	Toluene-D8		87%				
460-00-4	P-Bromofluorobenzene		70%				

Data File: \\Target_server\GG\chem\gcms-z.i\Z011608B.b\Z6410.D
Report Date: 30-Jan-2008 10:22

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gcms-z.i\Z011608B.b\Z6410.D
Lab Smp Id: SB0168-1 Client Smp ID: AWD-GW-MW101-2008
Inj Date : 16-JAN-2008 20:44 MS Autotune Date: 09-OCT-2007 12:05
Operator : SKT Inst ID: gcms-z.i
Smp Info : SB0168-1
Misc Info : SW846 8260B
Comment :
Method : \\Target_server\GG\chem\gcms-z.i\Z011608B.b\Z826a71.m
Meth Date : 24-Jan-2008 10:18 jprescott Quant Type: ISTD
Cal Date : 14-JAN-2008 17:08 Cal File: Z6357.D
Als bottle: 27
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TETRAT426001.sub
Target Version: 4.12
Processing Host: TARGET05

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)
$ 37 Dibromofluoromethane	113	9.411	9.457	(0.931)	208576	44.5624	44.6
$ 45 1,2-Dichloroethane-D4	65	10.131	10.153	(1.002)	170177	43.9369	43.9
$ 55 Toluene-D8	98	12.313	12.335	(1.147)	560785	43.4890	43.5
$ 76 P-Bromofluorobenzene	95	15.841	15.863	(1.476)	194360	35.0095	35.0
* 42 Pentafluorobenzene	168	10.107	10.141	(1.000)	414187	50.0000	
* 49 1,4-Difluorobenzene	114	10.734	10.756	(1.000)	664968	50.0000	
* 66 Chlorobenzene-D5	117	14.251	14.273	(1.000)	490207	50.0000	
* 91 1,4-Dichlorobenzene-D4	152	17.408	17.430	(1.000)	255929	50.0000	

Data File: \\Target_server\GG\chem\gcms-z.i\Z011608B.b\Z6410.D
Report Date: 30-Jan-2008 10:22

Katahdin Analytical Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcms-z.i
Lab File ID: Z6410.D
Lab Smp Id: SB0168-1
Analysis Type: VOA
Quant Type: ISTD
Operator: SKT
Method File: \\Target_server\GG\chem\gcms-z.i\Z011608B.b\Z826a71.m
Misc Info: SW846 8260B

Calibration Date: 16-JAN-2008
Calibration Time: 10:52
Client Smp ID: AWD-GW-MW101-20
Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 4

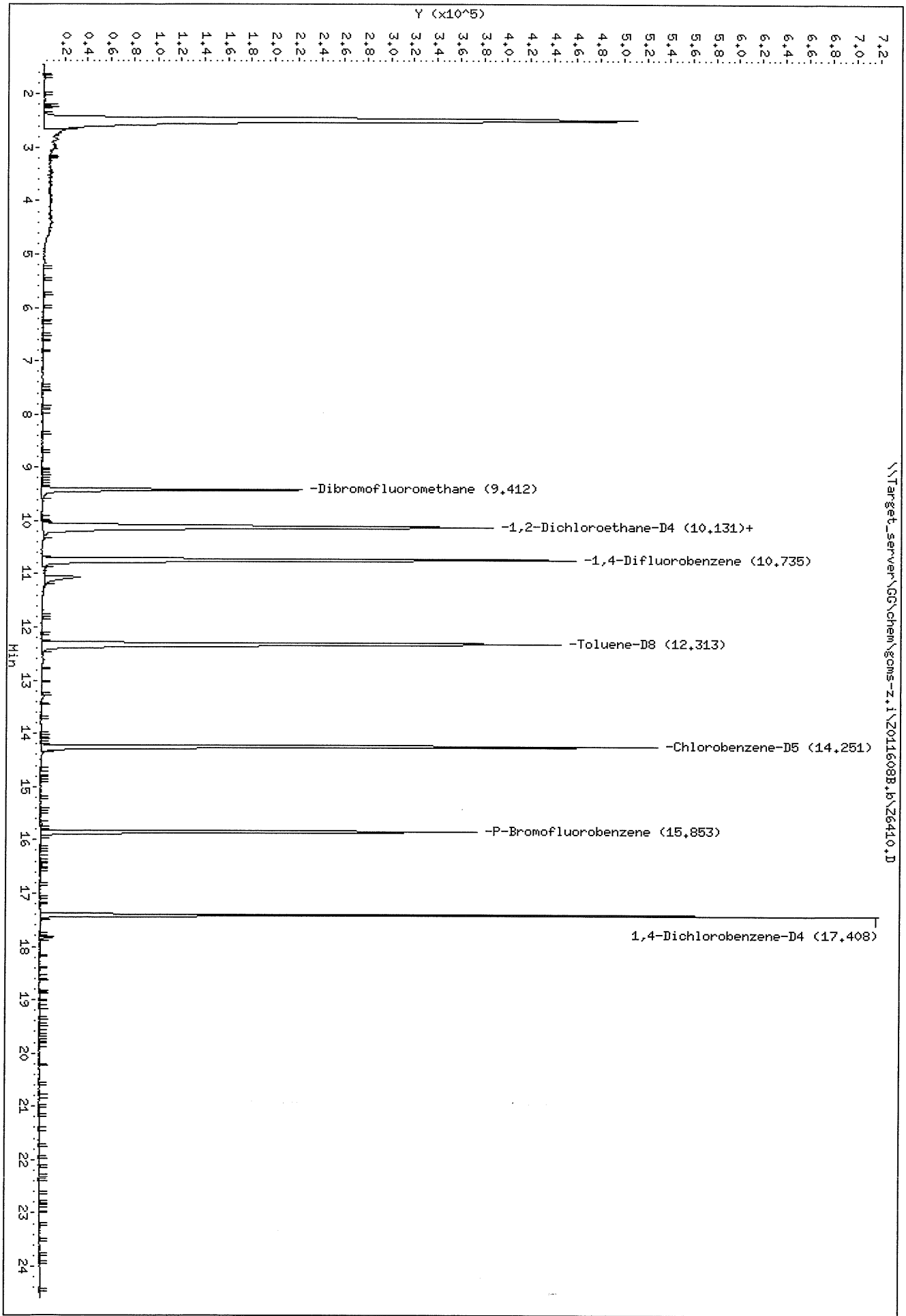
COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	474979	237490	949958	414187	-12.80
49 1,4-Difluorobenze	661176	330588	1322352	664968	0.57
66 Chlorobenzene-D5	548483	274242	1096966	490207	-10.62
91 1,4-Dichlorobenze	296621	148311	593242	255929	-13.72

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	10.12	9.62	10.62	10.11	-0.10
49 1,4-Difluorobenze	10.74	10.24	11.24	10.73	-0.09
66 Chlorobenzene-D5	14.26	13.76	14.76	14.25	-0.07
91 1,4-Dichlorobenze	17.42	16.92	17.92	17.41	-0.06

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.

Data File: \\Target_server\GC\chem\gcms-z.i\2011608B.b\Z6410.D
Date : 16-JAN-2008 20:44
Client ID: AWD-GW-MW101-2008
Sample Info: SB0168-1

Instrument: gcms-z.i



KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 01/08/08
Received Date: 01/10/08
Extraction Date:
Analysis Date: 18-JAN-2008 13:15
Report Date: 01/30/2008
Matrix: WATER
% Solids: NA

Lab ID: SB0168-2
Client ID: AWD-GW-MW102-2008
SDG: CTO426-1
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG47570
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
1634-04-4	Methyl tert-butyl ether	U	1	1.0	1	1	0.6
71-43-2	Benzene	U	1	1.0	1	1	0.4
108-88-3	Toluene	U	1	1.0	1	1	0.3
100-41-4	Ethylbenzene	U	1	1.0	1	1	0.4
1330-20-7	Xylenes (total)	U	3	1.0	3	3	0.4
	m+p-Xylenes	U	2	1.0	2	2	1.0
95-47-6	o-Xylene	U	1	1.0	1	1	0.4
98-82-8	Isopropylbenzene		3	1.0	1	1	0.5
91-20-3	Naphthalene	J	0.8	1.0	1	1	0.4
1868-53-7	Dibromofluoromethane		88%				
17060-07-0	1,2-Dichloroethane-D4		93%				
2037-26-5	Toluene-D8		99%				
460-00-4	P-Bromofluorobenzene		91%				

Data File: \\Target_server\GG\chem\gcms-s.i\S011808B.b\S8738.D
Report Date: 30-Jan-2008 10:18

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gcms-s.i\S011808B.b\S8738.D
Lab Smp Id: SB0168-2 Client Smp ID: AWD-GW-MW102-2008
Inj Date : 18-JAN-2008 13:15 MS Autotune Date: 21-NOV-2007 15:16
Operator : SKT Inst ID: gcms-s.i
Smp Info : SB0168-2
Misc Info : SW846 8260B
Comment :
Method : \\Target_server\GG\chem\gcms-s.i\S011808B.b\s826a48.m
Meth Date : 18-Jan-2008 10:08 jsampson Quant Type: ISTD
Cal Date : 16-JAN-2008 19:34 Cal File: S8696.D
Als bottle: 15
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TETRAT426001.sub
Target Version: 4.12
Processing Host: TARGET05

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)
75 Isopropylbenzene	105	14.532	14.510	(0.883)	42289	2.81568	2.8
101 Naphthalene	128	19.766	19.743	(1.201)	9604	0.79706	0.80(a)
$ 37 Dibromofluoromethane	113	8.287	8.265	(0.906)	289261	44.1293	44.1
$ 45 1,2-Dichloroethane-D4	65	9.159	9.137	(1.001)	322902	46.7130	46.7
$ 55 Toluene-D8	98	11.416	11.393	(1.158)	766791	49.6337	49.6
$ 76 P-Bromofluorobenzene	95	14.904	14.882	(1.512)	294494	45.5531	45.6
* 42 Pentafluorobenzene	168	9.148	9.125	(1.000)	580925	50.0000	
* 49 1,4-Difluorobenzene	114	9.857	9.846	(1.000)	784808	50.0000	
* 66 Chlorobenzene-D5	117	13.311	13.289	(1.000)	716571	50.0000	
* 91 1,4-Dichlorobenzene-D4	152	16.451	16.428	(1.000)	364211	50.0000	

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: \\Target_server\GG\chem\gcms-s.i\S011808B.b\S8738.D
Report Date: 30-Jan-2008 10:18

Katahdin Analytical Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcms-s.i
Lab File ID: S8738.D
Lab Smp Id: SB0168-2
Analysis Type: VOA
Quant Type: ISTD
Operator: SKT
Method File: \\Target_server\GG\chem\gcms-s.i\S011808B.b\s826a48.m
Misc Info: SW846 8260B

Calibration Date: 18-JAN-2008
Calibration Time: 09:51
Client Smp ID: AWD-GW-MW102-20
Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 4

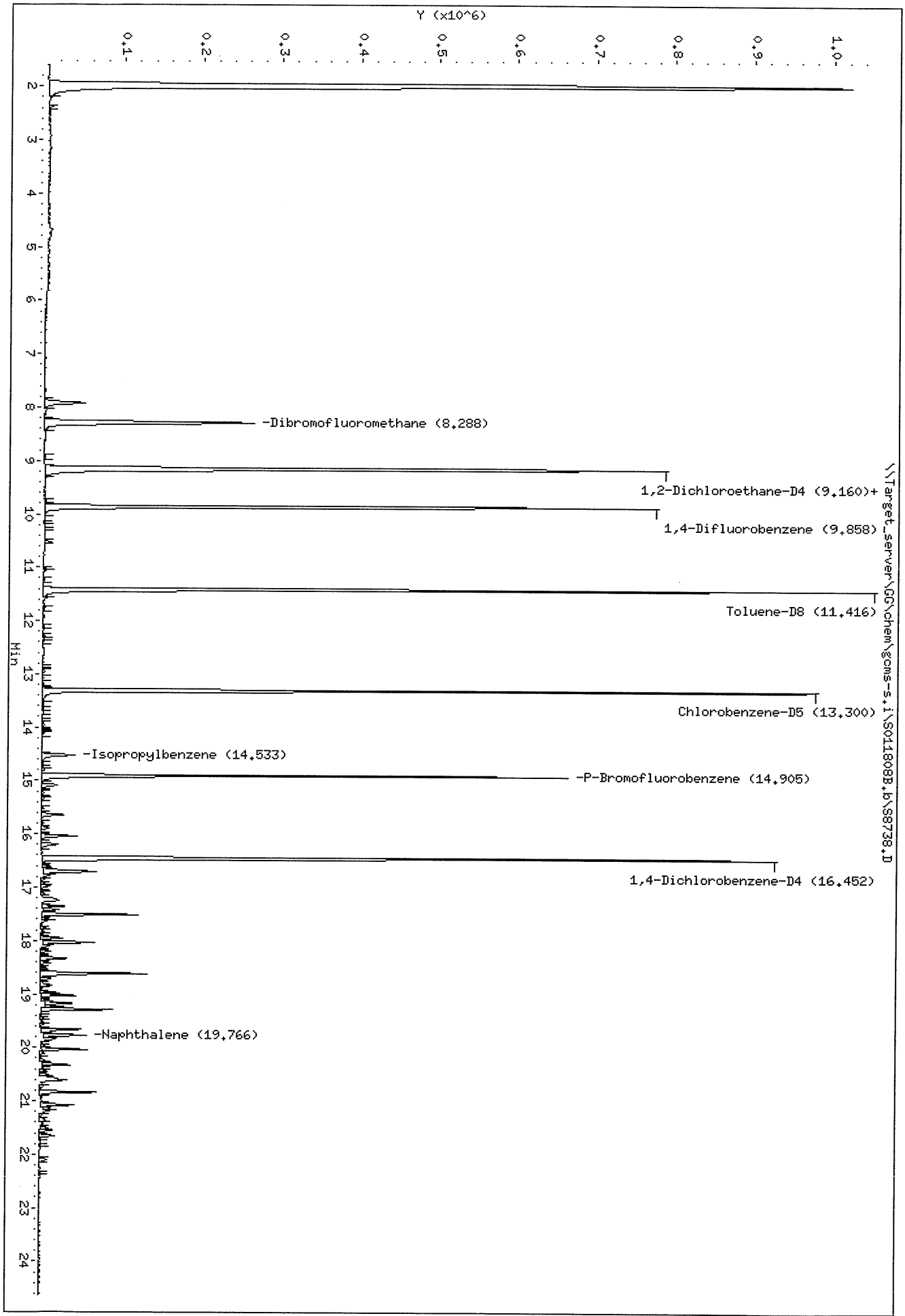
COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	575463	287732	1150926	580925	0.95
49 1,4-Difluorobenze	821948	410974	1643896	784808	-4.52
66 Chlorobenzene-D5	718198	359099	1436396	716571	-0.23
91 1,4-Dichlorobenze	389229	194615	778458	364211	-6.43

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	9.15	8.65	9.65	9.15	-0.04
49 1,4-Difluorobenze	9.86	9.36	10.36	9.86	-0.04
66 Chlorobenzene-D5	13.30	12.80	13.80	13.31	0.06
91 1,4-Dichlorobenze	16.44	15.94	16.94	16.45	0.05

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.

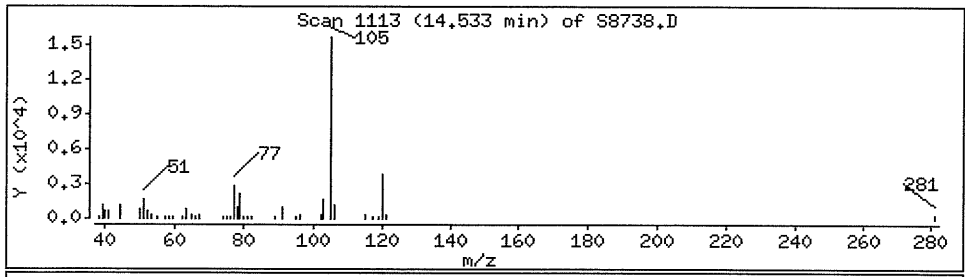
Data File: \\Target_server\GC\chem\gcms-s.i\S011808B.b\S8738.D
Date : 18-JAN-2008 13:15
Client ID: AWD-GW-MW102-2008
Sample Info: SB0168-2

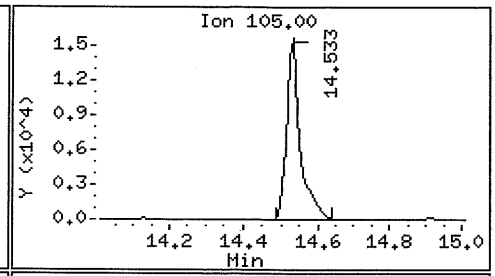
Instrument: gcms-s.i

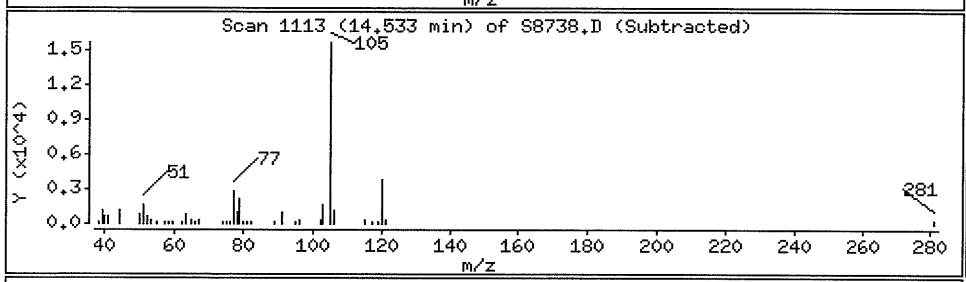


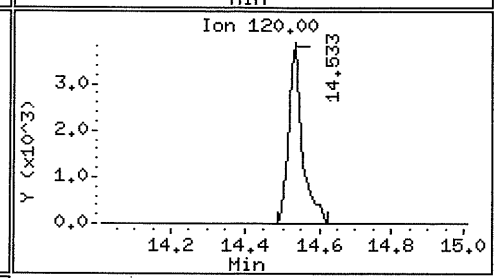
Data File: \\Target_server\GC\chem\gcms-s.i\S011808B.b\S8738.D
Date : 18-JAN-2008 13:15
Client ID: AWD-GW-MW102-2008 Instrument: gcms-s.i
Sample Info: SB0168-2

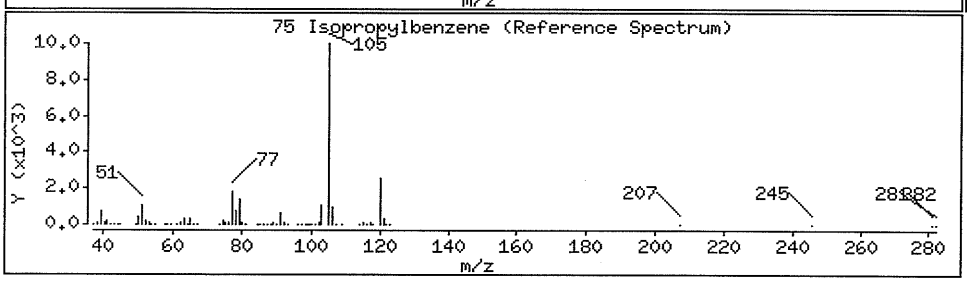
75 Isopropylbenzene Concentration: 2.8 ug/l



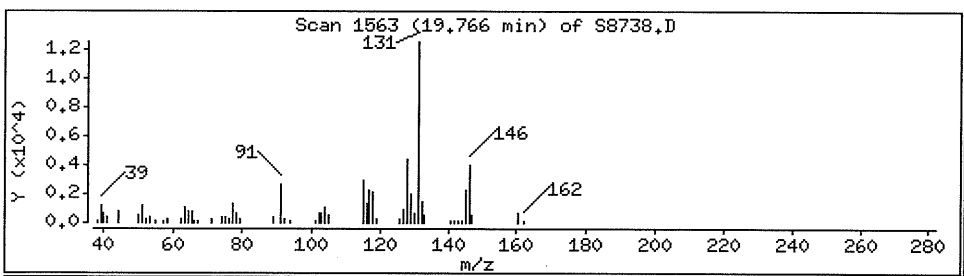


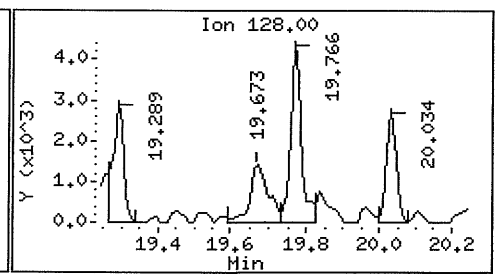


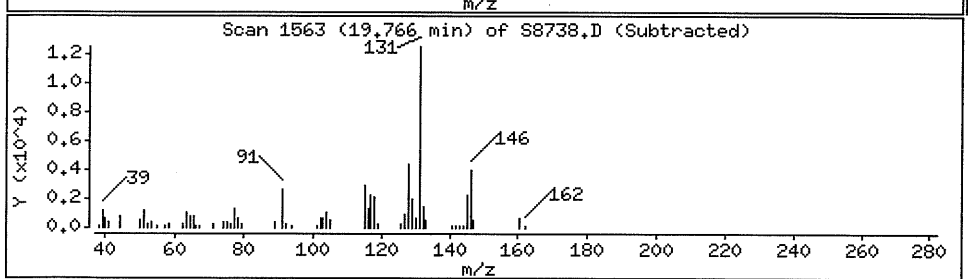


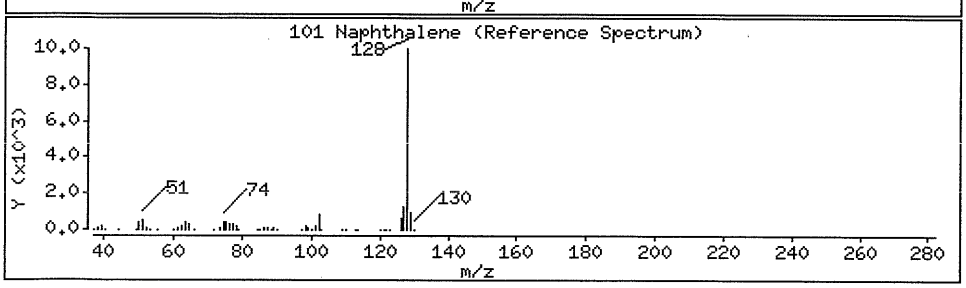


101 Naphthalene Concentration: 0.80 ug/l









KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 01/08/08
Received Date: 01/10/08
Extraction Date:
Analysis Date: 17-JAN-2008 12:42
Report Date: 01/30/2008
Matrix: WATER
% Solids: NA

Lab ID: SB0168-3
Client ID: WD-GW-MW103-2008
SDG: CTO426-1
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG47521
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
1634-04-4	Methyl tert-butyl ether	U	1	1.0	1	1	0.6
71-43-2	Benzene	U	1	1.0	1	1	0.4
108-88-3	Toluene	U	1	1.0	1	1	0.3
100-41-4	Ethylbenzene	U	1	1.0	1	1	0.4
1330-20-7	Xylenes (total)	U	3	1.0	3	3	0.4
	m+p-Xylenes	U	2	1.0	2	2	1.0
95-47-6	o-Xylene	U	1	1.0	1	1	0.4
98-82-8	Isopropylbenzene	U	1	1.0	1	1	0.5
91-20-3	Naphthalene	U	1	1.0	1	1	0.4
1868-53-7	Dibromofluoromethane		80%				
17060-07-0	1,2-Dichloroethane-D4		90%				
2037-26-5	Toluene-D8		86%				
460-00-4	P-Bromofluorobenzene		83%				

Data File: \\Target_server\GG\chem\gcms-s.i\S011708.b\S8705.D
Report Date: 30-Jan-2008 09:49

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gcms-s.i\S011708.b\S8705.D
Lab Smp Id: SB0168-3 Client Smp ID: WD-GW-MW103-2008
Inj Date : 17-JAN-2008 12:42 MS Autotune Date: 21-NOV-2007 15:16
Operator : SKT Inst ID: gcms-s.i
Smp Info : SB0168-3
Misc Info : SW846 8260B
Comment :
Method : \\Target_server\GG\chem\gcms-s.i\S011708.b\s826a48.m
Meth Date : 17-Jan-2008 08:54 sthompson Quant Type: ISTD
Cal Date : 16-JAN-2008 19:34 Cal File: S8696.D
Als bottle: 17
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TETRAT426001.sub
Target Version: 4.12
Processing Host: TARGET05

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)
$ 37 Dibromofluoromethane	113	8.258	8.265	(0.906)	265992	39.7504	39.8
$ 45 1,2-Dichloroethane-D4	65	9.130	9.137	(1.001)	319035	45.2107	45.2
$ 55 Toluene-D8	98	11.398	11.393	(1.158)	710263	43.2578	43.2
$ 76 P-Bromofluorobenzene	95	14.876	14.882	(1.512)	285357	41.5314	41.5
* 42 Pentafluorobenzene	168	9.119	9.125	(1.000)	593040	50.0000	
* 49 1,4-Difluorobenzene	114	9.840	9.846	(1.000)	834099	50.0000	
* 66 Chlorobenzene-D5	117	13.282	13.289	(1.000)	705513	50.0000	
* 91 1,4-Dichlorobenzene-D4	152	16.422	16.428	(1.000)	351627	50.0000	

Data File: \\Target_server\GG\chem\gcms-s.i\S011708.b\S8705.D
Report Date: 30-Jan-2008 09:49

Katahdin Analytical Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcms-s.i
Lab File ID: S8705.D
Lab Smp Id: SB0168-3
Analysis Type: VOA
Quant Type: ISTD
Operator: SKT
Method File: \\Target_server\GG\chem\gcms-s.i\S011708.b\s826a48.m
Misc Info: SW846 8260B

Calibration Date: 17-JAN-2008
Calibration Time: 08:35
Client Smp ID: WD-GW-MW103-200
Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 4

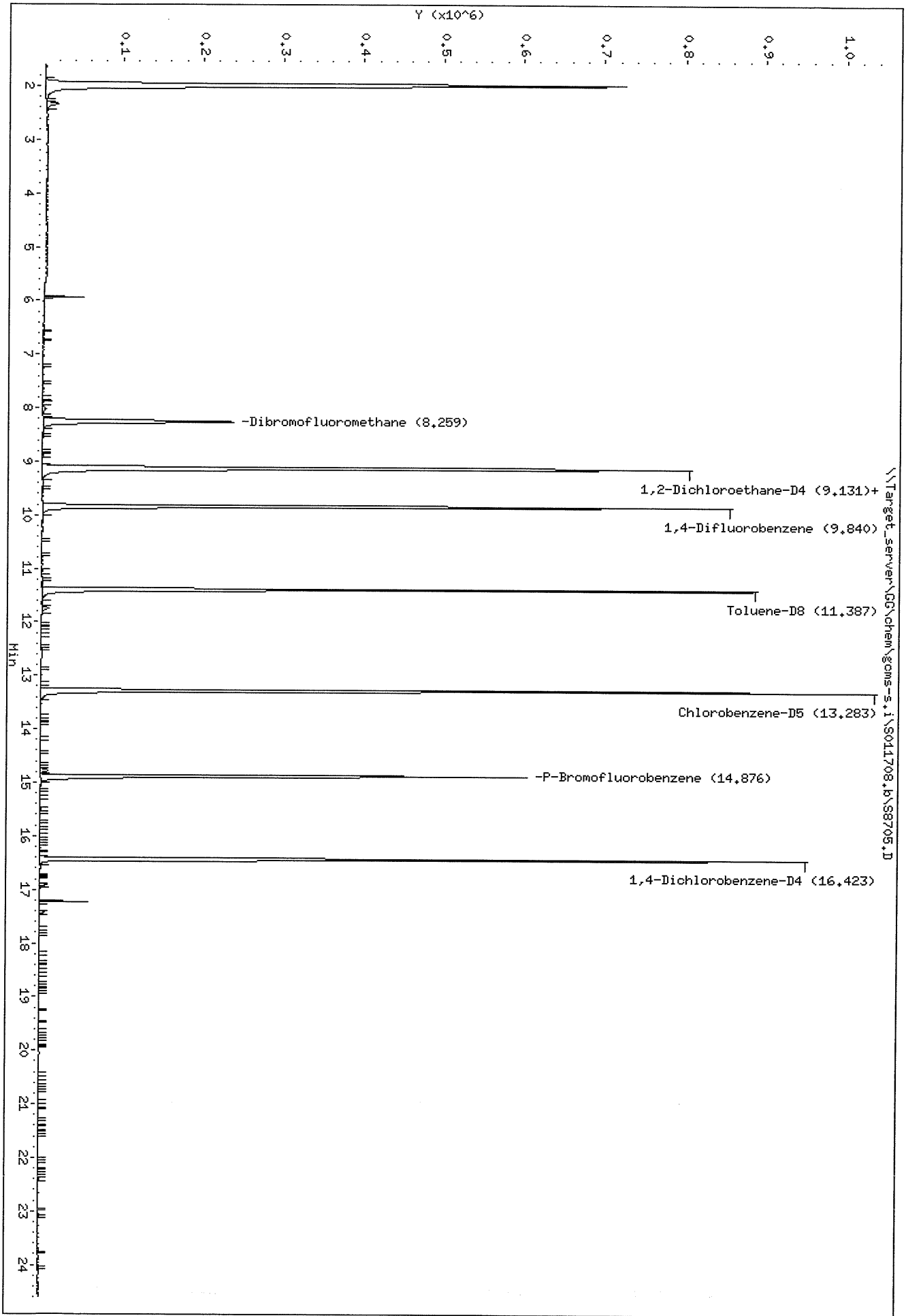
COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	628556	314278	1257112	593040	-5.65
49 1,4-Difluorobenze	887687	443844	1775374	834099	-6.04
66 Chlorobenzene-D5	767984	383992	1535968	705513	-8.13
91 1,4-Dichlorobenze	413885	206943	827770	351627	-15.04

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	9.12	8.62	9.62	9.12	-0.00
49 1,4-Difluorobenze	9.83	9.33	10.33	9.84	0.12
66 Chlorobenzene-D5	13.27	12.77	13.77	13.28	0.09
91 1,4-Dichlorobenze	16.42	15.92	16.92	16.42	-0.00

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.

Data File: \\Target_server\GC\chem\gcms-s.i\S011708.b\S8705.D
Date : 17-JAN-2008 12:42
Client ID: WD-GW-MW103-2008
Sample Info: SB0168-3

Instrument: gcms-s.i



KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 01/08/08
Received Date: 01/10/08
Extraction Date:
Analysis Date: 17-JAN-2008 13:13
Report Date: 01/30/2008
Matrix: WATER
% Solids: NA

Lab ID: SB0168-4
Client ID: AWD-GW-MW104-2008
SDG: CTO426-1
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG47521
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
1634-04-4	Methyl tert-butyl ether	U	1	1.0	1	1	0.6
71-43-2	Benzene	U	1	1.0	1	1	0.4
108-88-3	Toluene	U	1	1.0	1	1	0.3
100-41-4	Ethylbenzene	U	1	1.0	1	1	0.4
1330-20-7	Xylenes (total)	U	3	1.0	3	3	0.4
	m+p-Xylenes	U	2	1.0	2	2	1.0
95-47-6	o-Xylene	U	1	1.0	1	1	0.4
98-82-8	Isopropylbenzene	U	1	1.0	1	1	0.5
91-20-3	Naphthalene	U	1	1.0	1	1	0.4
1868-53-7	Dibromofluoromethane		85%				
17060-07-0	1,2-Dichloroethane-D4		93%				
2037-26-5	Toluene-D8		88%				
460-00-4	P-Bromofluorobenzene		83%				

Data File: \\Target_server\GG\chem\gcms-s.i\S011708.b\S8706.D
Report Date: 30-Jan-2008 09:49

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gcms-s.i\S011708.b\S8706.D
Lab Smp Id: SB0168-4 Client Smp ID: AWD-GW-MW104-2008
Inj Date : 17-JAN-2008 13:13 MS Autotune Date: 21-NOV-2007 15:16
Operator : SKT Inst ID: gcms-s.i
Smp Info : SB0168-4
Misc Info : SW846 8260B
Comment :
Method : \\Target_server\GG\chem\gcms-s.i\S011708.b\s826a48.m
Meth Date : 17-Jan-2008 08:54 sthompson Quant Type: ISTD
Cal Date : 16-JAN-2008 19:34 Cal File: S8696.D
Als bottle: 18
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TETRAT426001.sub
Target Version: 4.12
Processing Host: TARGET05

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)
$ 37 Dibromofluoromethane	113	8.254	8.265	(0.904)	269347	42.3716	42.4
$ 45 1,2-Dichloroethane-D4	65	9.126	9.137	(1.000)	313106	46.7072	46.7
$ 55 Toluene-D8	98	11.394	11.393	(1.158)	732174	44.1593	44.2
$ 76 P-Bromofluorobenzene	95	14.883	14.882	(1.513)	288530	41.5855	41.6
* 42 Pentafluorobenzene	168	9.126	9.125	(1.000)	563371	50.0000	
* 49 1,4-Difluorobenzene	114	9.836	9.846	(1.000)	842276	50.0000	
* 66 Chlorobenzene-D5	117	13.278	13.289	(1.000)	710100	50.0000	
* 91 1,4-Dichlorobenzene-D4	152	16.430	16.428	(1.000)	343683	50.0000	

Data File: \\Target_server\GG\chem\gcms-s.i\S011708.b\S8706.D
Report Date: 30-Jan-2008 09:49

Katahdin Analytical Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcms-s.i
Lab File ID: S8706.D
Lab Smp Id: SB0168-4
Analysis Type: VOA
Quant Type: ISTD
Operator: SKT
Method File: \\Target_server\GG\chem\gcms-s.i\S011708.b\s826a48.m
Misc Info: SW846 8260B

Calibration Date: 17-JAN-2008
Calibration Time: 08:35
Client Smp ID: AWD-GW-MW104-20
Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 4

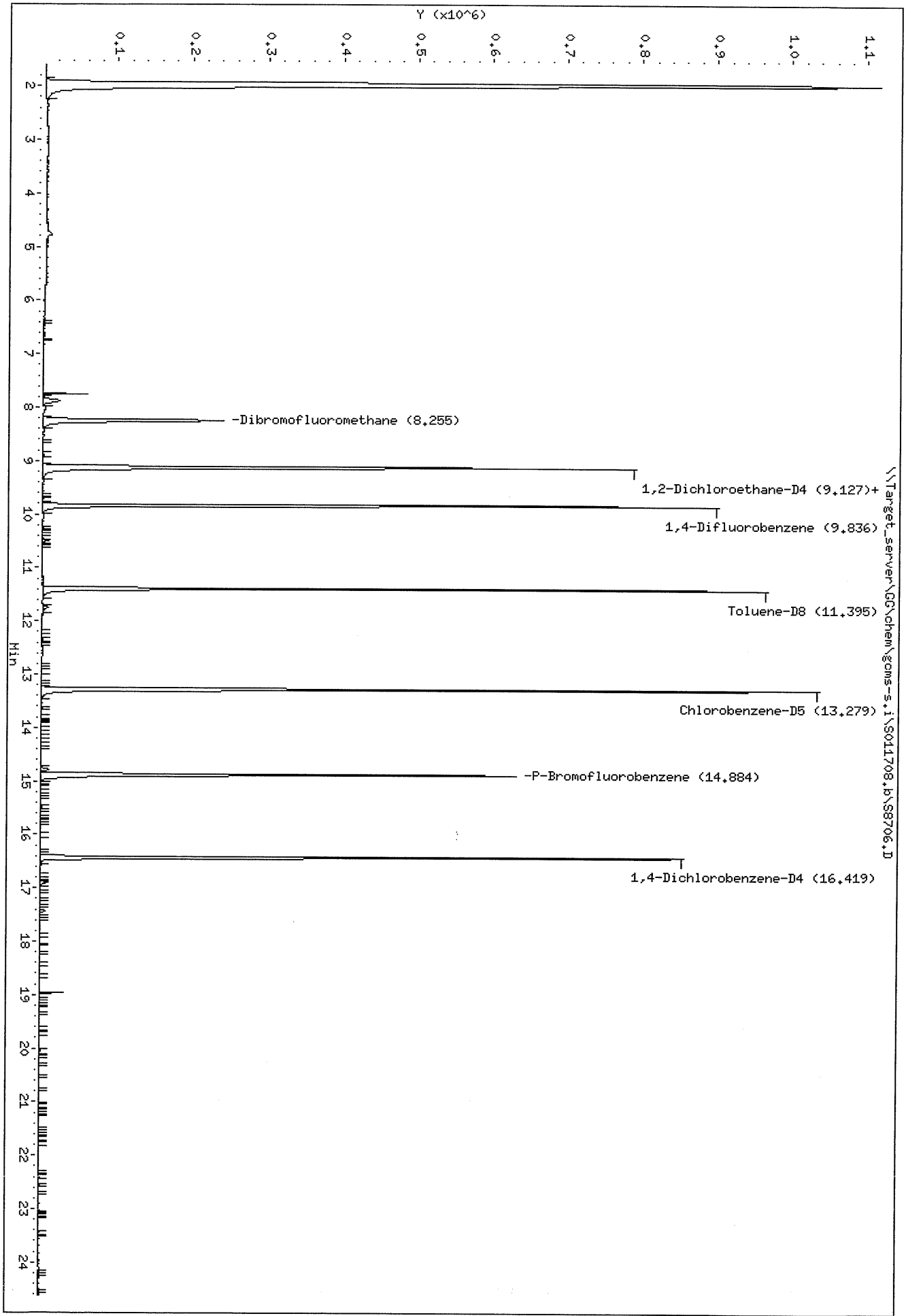
COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	628556	314278	1257112	563371	-10.37
49 1,4-Difluorobenze	887687	443844	1775374	842276	-5.12
66 Chlorobenzene-D5	767984	383992	1535968	710100	-7.54
91 1,4-Dichlorobenze	413885	206943	827770	343683	-16.96

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	9.12	8.62	9.62	9.13	0.08
49 1,4-Difluorobenze	9.83	9.33	10.33	9.84	0.08
66 Chlorobenzene-D5	13.27	12.77	13.77	13.28	0.06
91 1,4-Dichlorobenze	16.42	15.92	16.92	16.43	0.05

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.

Data File: \\Target_server\GC\chem\gcms-s.i\S011708.b\S8706.D
Date : 17-JAN-2008 13:13
Client ID: AWD-GW-MW104-2008
Sample Info: SB0168-4

Instrument: gcms-s.i



KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 01/08/08
Received Date: 01/10/08
Extraction Date:
Analysis Date: 17-JAN-2008 13:44
Report Date: 01/30/2008
Matrix: WATER
% Solids: NA

Lab ID: SB0168-5
Client ID: AWD-GW-MW201-2008
SDG: CTO426-1
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG47521
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
1634-04-4	Methyl tert-butyl ether	U	1	1.0	1	1	0.6
71-43-2	Benzene	U	1	1.0	1	1	0.4
108-88-3	Toluene	U	1	1.0	1	1	0.3
100-41-4	Ethylbenzene	U	1	1.0	1	1	0.4
1330-20-7	Xylenes (total)	U	3	1.0	3	3	0.4
	m+p-Xylenes	U	2	1.0	2	2	1.0
95-47-6	o-Xylene	U	1	1.0	1	1	0.4
98-82-8	Isopropylbenzene	U	1	1.0	1	1	0.5
91-20-3	Naphthalene	U	1	1.0	1	1	0.4
1868-53-7	Dibromofluoromethane		85%				
17060-07-0	1,2-Dichloroethane-D4		94%				
2037-26-5	Toluene-D8		85%				
460-00-4	P-Bromofluorobenzene		86%				

Data File: \\Target_server\GG\chem\gcms-s.i\S011708.b\S8707.D
Report Date: 30-Jan-2008 09:49

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gcms-s.i\S011708.b\S8707.D
Lab Smp Id: SB0168-5 Client Smp ID: AWD-GW-MW201-2008
Inj Date : 17-JAN-2008 13:44 MS Autotune Date: 21-NOV-2007 15:16
Operator : SKT Inst ID: gcms-s.i
Smp Info : SB0168-5
Misc Info : SW846 8260B
Comment :
Method : \\Target_server\GG\chem\gcms-s.i\S011708.b\s826a48.m
Meth Date : 17-Jan-2008 08:54 sthompson Quant Type: ISTD
Cal Date : 16-JAN-2008 19:34 Cal File: S8696.D
Als bottle: 19
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TETRAT426001.sub
Target Version: 4.12
Processing Host: TARGET05

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)
$ 37 Dibromofluoromethane	113	8.252	8.265	(0.904)	269338	42.3139	42.3
$ 45 1,2-Dichloroethane-D4	65	9.135	9.137	(1.001)	314052	46.7861	46.8
$ 55 Toluene-D8	98	11.392	11.393	(1.158)	675929	42.6242	42.6
$ 76 P-Bromofluorobenzene	95	14.881	14.882	(1.513)	284089	42.8107	42.8
* 42 Pentafluorobenzene	168	9.124	9.125	(1.000)	564120	50.0000	
* 49 1,4-Difluorobenzene	114	9.833	9.846	(1.000)	805577	50.0000	
* 66 Chlorobenzene-D5	117	13.287	13.289	(1.000)	708139	50.0000	
* 91 1,4-Dichlorobenzene-D4	152	16.427	16.428	(1.000)	327065	50.0000	

Data File: \\Target_server\GG\chem\gcms-s.i\S011708.b\S8707.D
Report Date: 30-Jan-2008 09:49

Katahdin Analytical Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcms-s.i
Lab File ID: S8707.D
Lab Smp Id: SB0168-5
Analysis Type: VOA
Quant Type: ISTD
Operator: SKT
Method File: \\Target_server\GG\chem\gcms-s.i\S011708.b\s826a48.m
Misc Info: SW846 8260B

Calibration Date: 17-JAN-2008
Calibration Time: 08:35
Client Smp ID: AWD-GW-MW201-20
Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 4

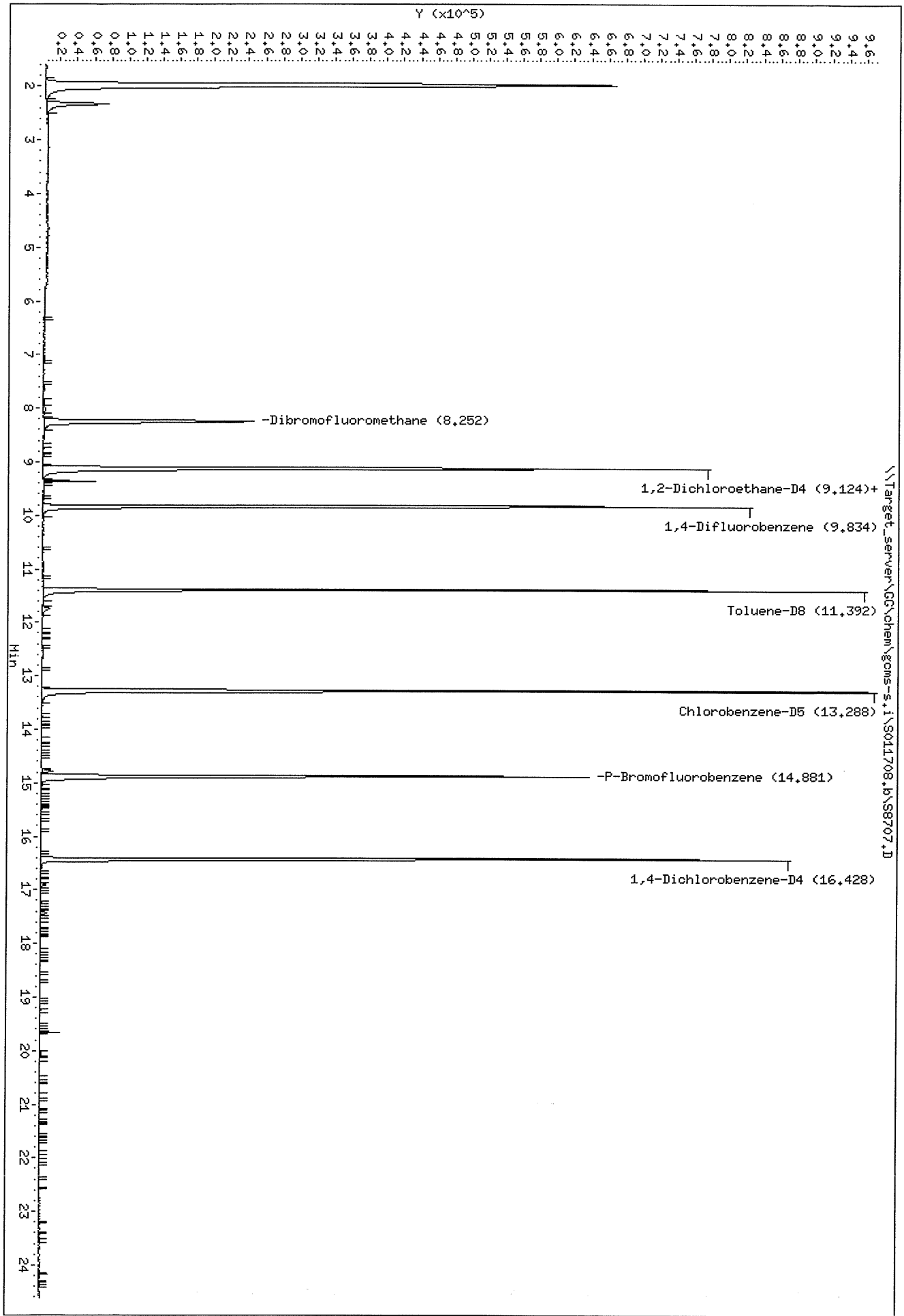
COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	628556	314278	1257112	564120	-10.25
49 1,4-Difluorobenze	887687	443844	1775374	805577	-9.25
66 Chlorobenzene-D5	767984	383992	1535968	708139	-7.79
91 1,4-Dichlorobenze	413885	206943	827770	327065	-20.98

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	9.12	8.62	9.62	9.12	0.05
49 1,4-Difluorobenze	9.83	9.33	10.33	9.83	0.05
66 Chlorobenzene-D5	13.27	12.77	13.77	13.29	0.12
91 1,4-Dichlorobenze	16.42	15.92	16.92	16.43	0.03

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.

Data File: \\Target_server\GC\chem\gcms-s.i\S011708.b\S8707.D
Date : 17-JAN-2008 13:44
Client ID: AWD-GW-MW201-2008
Sample Info: SB0168-5

Instrument: gcms-s.i



KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 01/08/08
Received Date: 01/10/08
Extraction Date:
Analysis Date: 18-JAN-2008 13:46
Report Date: 01/30/2008
Matrix: WATER
% Solids: NA

Lab ID: SB0168-7
Client ID: AWD-GW-MW302-2008
SDG: CTO426-1
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG47570
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
1634-04-4	Methyl tert-butyl ether	U	1	1.0	1	1	0.6
71-43-2	Benzene	U	1	1.0	1	1	0.4
108-88-3	Toluene	U	1	1.0	1	1	0.3
100-41-4	Ethylbenzene	U	1	1.0	1	1	0.4
1330-20-7	Xylenes (total)	U	3	1.0	3	3	0.4
	m+p-Xylenes	U	2	1.0	2	2	1.0
95-47-6	o-Xylene	U	1	1.0	1	1	0.4
98-82-8	Isopropylbenzene	U	1	1.0	1	1	0.5
91-20-3	Naphthalene	U	1	1.0	1	1	0.4
1868-53-7	Dibromofluoromethane		81%				
17060-07-0	1,2-Dichloroethane-D4		91%				
2037-26-5	Toluene-D8		92%				
460-00-4	P-Bromofluorobenzene		90%				

Data File: \\Target_server\GG\chem\gcms-s.i\S011808B.b\S8739.D
Report Date: 30-Jan-2008 10:18

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gcms-s.i\S011808B.b\S8739.D
Lab Smp Id: SB0168-7 Client Smp ID: AWD-GW-MW302-2008
Inj Date : 18-JAN-2008 13:46 MS Autotune Date: 21-NOV-2007 15:16
Operator : SKT Inst ID: gcms-s.i
Smp Info : SB0168-7
Misc Info : SW846 8260B
Comment :
Method : \\Target_server\GG\chem\gcms-s.i\S011808B.b\s826a48.m
Meth Date : 18-Jan-2008 10:08 jsampson Quant Type: ISTD
Cal Date : 16-JAN-2008 19:34 Cal File: S8696.D
Als bottle: 16
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TETRAT426001.sub
Target Version: 4.12
Processing Host: TARGET05

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)
$ 37 Dibromofluoromethane	113	8.293	8.265	(0.906)	277167	40.5062	40.5
$ 45 1,2-Dichloroethane-D4	65	9.166	9.137	(1.001)	328887	45.5781	45.6
$ 55 Toluene-D8	98	11.410	11.393	(1.157)	742239	46.1001	46.1
$ 76 P-Bromofluorobenzene	95	14.899	14.882	(1.511)	302842	44.9487	44.9
* 42 Pentafluorobenzene	168	9.154	9.125	(1.000)	606425	50.0000	
* 49 1,4-Difluorobenzene	114	9.863	9.846	(1.000)	817908	50.0000	
* 66 Chlorobenzene-D5	117	13.306	13.289	(1.000)	687689	50.0000	
* 91 1,4-Dichlorobenzene-D4	152	16.446	16.428	(1.000)	336550	50.0000	

Data File: \\Target_server\GG\chem\gcms-s.i\S011808B.b\S8739.D
Report Date: 30-Jan-2008 10:18

Katahdin Analytical Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcms-s.i
Lab File ID: S8739.D
Lab Smp Id: SB0168-7
Analysis Type: VOA
Quant Type: ISTD
Operator: SKT
Method File: \\Target_server\GG\chem\gcms-s.i\S011808B.b\s826a48.m
Misc Info: SW846 8260B

Calibration Date: 18-JAN-2008
Calibration Time: 09:51
Client Smp ID: AWD-GW-MW302-20
Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 4

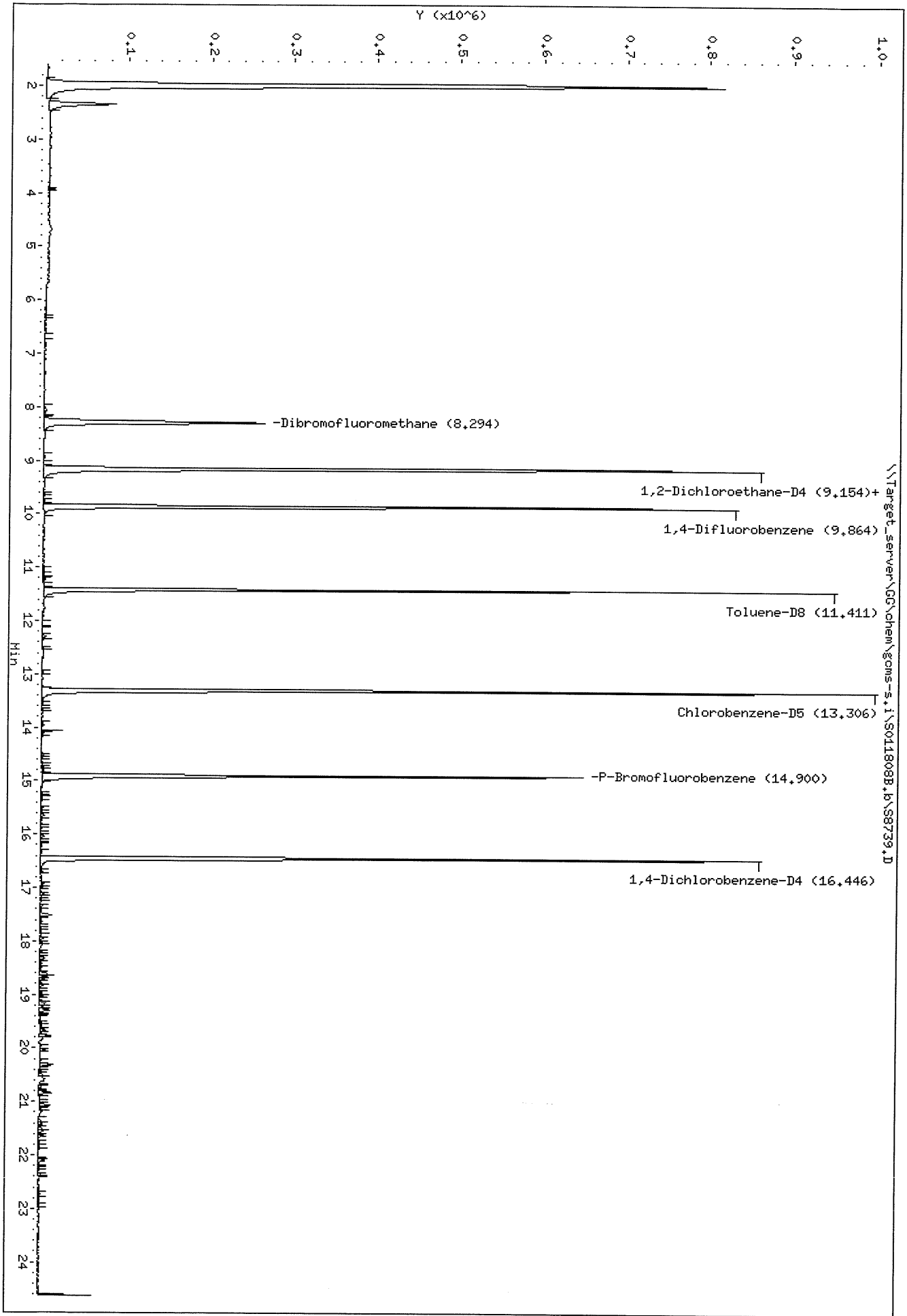
COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	575463	287732	1150926	606425	5.38
49 1,4-Difluorobenze	821948	410974	1643896	817908	-0.49
66 Chlorobenzene-D5	718198	359099	1436396	687689	-4.25
91 1,4-Dichlorobenze	389229	194615	778458	336550	-13.53

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	9.15	8.65	9.65	9.15	0.03
49 1,4-Difluorobenze	9.86	9.36	10.36	9.86	0.03
66 Chlorobenzene-D5	13.30	12.80	13.80	13.31	0.02
91 1,4-Dichlorobenze	16.44	15.94	16.94	16.45	0.02

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.

Data File: \\Target_server\GC\chem\gcms-s.i\S011808B.b\S8739.D
Date : 18-JAN-2008 13:46
Client ID: AWD-GW-MW302-2008
Sample Info: SB0168-7

Instrument: gcms-s.i



KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 01/08/08
Received Date: 01/10/08
Extraction Date:
Analysis Date: 18-JAN-2008 14:17
Report Date: 01/30/2008
Matrix: WATER
% Solids: NA

Lab ID: SB0168-8
Client ID: AWD-GW-MW303-2008
SDG: CTO426-1
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG47570
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
1634-04-4	Methyl tert-butyl ether	U	1	1.0	1	1	0.6
71-43-2	Benzene	U	1	1.0	1	1	0.4
108-88-3	Toluene	U	1	1.0	1	1	0.3
100-41-4	Ethylbenzene	J	0.5	1.0	1	1	0.4
1330-20-7	Xylenes (total)	J	3	1.0	3	3	0.4
	m+p-Xylenes	J	1	1.0	2	2	1.0
95-47-6	o-Xylene		1	1.0	1	1	0.4
98-82-8	Isopropylbenzene		9	1.0	1	1	0.5
91-20-3	Naphthalene		19	1.0	1	1	0.4
1868-53-7	Dibromofluoromethane		82%				
17060-07-0	1,2-Dichloroethane-D4		89%				
2037-26-5	Toluene-D8		86%				
460-00-4	P-Bromofluorobenzene		91%				

Data File: \\Target_server\GG\chem\gcms-s.i\S011808B.b\S8740.D
Report Date: 30-Jan-2008 10:18

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gcms-s.i\S011808B.b\S8740.D
Lab Smp Id: SB0168-8 Client Smp ID: AWD-GW-MW303-2008
Inj Date : 18-JAN-2008 14:17 MS Autotune Date: 21-NOV-2007 15:16
Operator : SKT Inst ID: gcms-s.i
Smp Info : SB0168-8
Misc Info : SW846 8260B
Comment :
Method : \\Target_server\GG\chem\gcms-s.i\S011808B.b\s826a48.m
Meth Date : 18-Jan-2008 10:08 jsampson Quant Type: ISTD
Cal Date : 16-JAN-2008 19:34 Cal File: S8696.D
Als bottle: 17
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TETRAT426001.sub
Target Version: 4.12
Processing Host: TARGET05

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)
68 Ethylbenzene	91	13.369	13.347	(1.004)	11384	0.53231	0.53(a)
M 70 Xylenes (total)	106				19485	2.57207	2.6(a)
71 m+p-Xylenes	106	13.555	13.533	(1.018)	10657	1.39317	1.4(a)
72 o-Xylene	106	14.113	14.091	(1.060)	8828	1.17891	1.2
75 Isopropylbenzene	105	14.520	14.510	(0.883)	135177	8.69101	8.7
101 Naphthalene	128	19.765	19.743	(1.201)	237829	19.0596	19.0
$ 37 Dibromofluoromethane	113	8.287	8.265	(0.906)	264223	40.8547	40.8
$ 45 1,2-Dichloroethane-D4	65	9.159	9.137	(1.001)	303235	44.4611	44.5
$ 55 Toluene-D8	98	11.415	11.393	(1.157)	710387	43.2934	43.3
$ 76 P-Bromofluorobenzene	95	14.904	14.882	(1.510)	312771	45.5507	45.6
* 42 Pentafluorobenzene	168	9.147	9.125	(1.000)	573173	50.0000	
* 49 1,4-Difluorobenzene	114	9.868	9.846	(1.000)	833559	50.0000	
* 66 Chlorobenzene-D5	117	13.311	13.289	(1.000)	697954	50.0000	
* 91 1,4-Dichlorobenzene-D4	152	16.451	16.428	(1.000)	377174	50.0000	

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: \\Target_server\GG\chem\gcms-s.i\S011808B.b\S8740.D
Report Date: 30-Jan-2008 10:18

Katahdin Analytical Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcms-s.i
Lab File ID: S8740.D
Lab Smp Id: SB0168-8
Analysis Type: VOA
Quant Type: ISTD
Operator: SKT

Calibration Date: 18-JAN-2008
Calibration Time: 09:51
Client Smp ID: AWD-GW-MW303-20
Level: LOW
Sample Type: WATER

Method File: \\Target_server\GG\chem\gcms-s.i\S011808B.b\s826a48.m
Misc Info: SW846 8260B

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 4

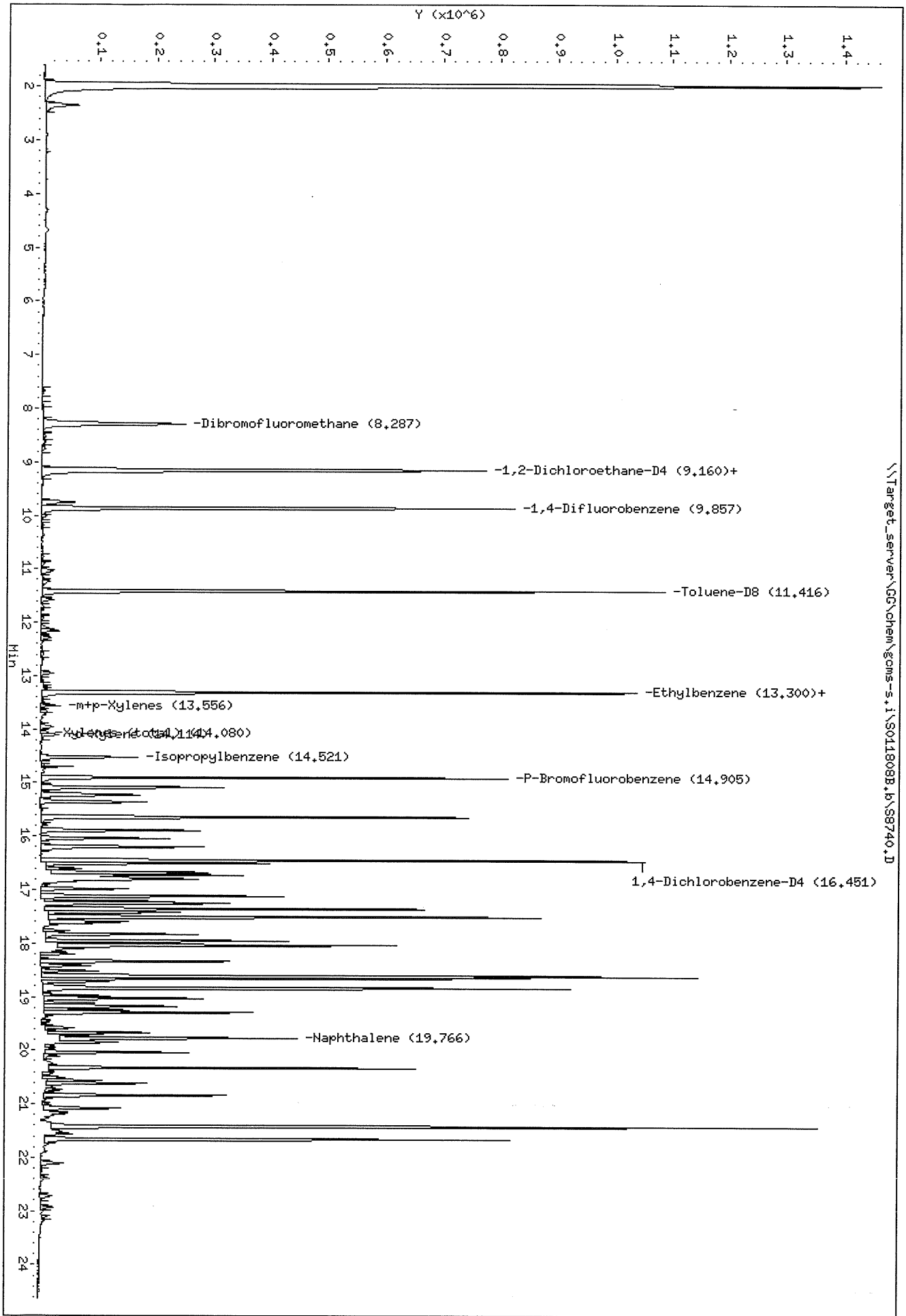
COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	575463	287732	1150926	573173	-0.40
49 1,4-Difluorobenze	821948	410974	1643896	833559	1.41
66 Chlorobenzene-D5	718198	359099	1436396	697954	-2.82
91 1,4-Dichlorobenze	389229	194615	778458	377174	-3.10

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	9.15	8.65	9.65	9.15	-0.04
49 1,4-Difluorobenze	9.86	9.36	10.36	9.87	0.08
66 Chlorobenzene-D5	13.30	12.80	13.80	13.31	0.06
91 1,4-Dichlorobenze	16.44	15.94	16.94	16.45	0.05

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.

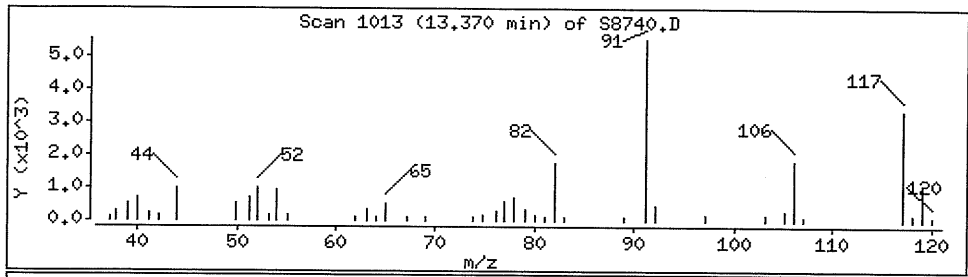
Data File: \\Target_server\GC\chem\gcms-s.i\S011808B.b\S8740.D
Date : 18-JAN-2008 14:17
Client ID: AWD-GW-MW303-2008
Sample Info: SB0168-8

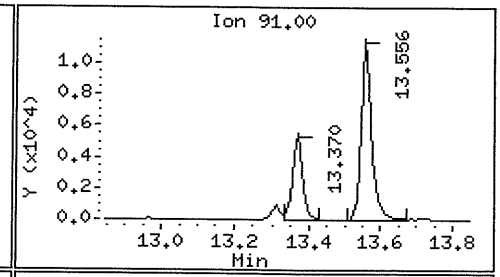
Instrument: gcms-s.i

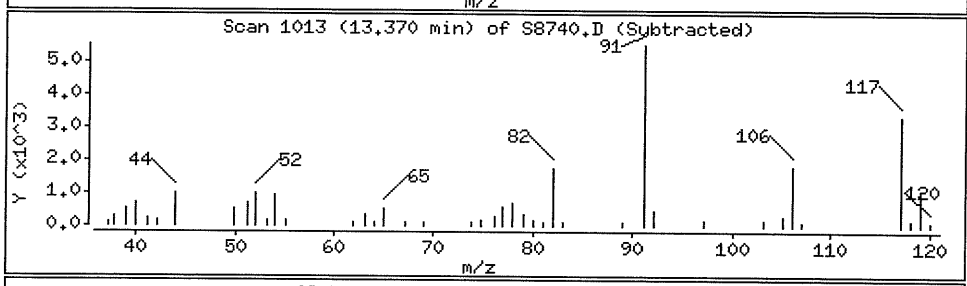


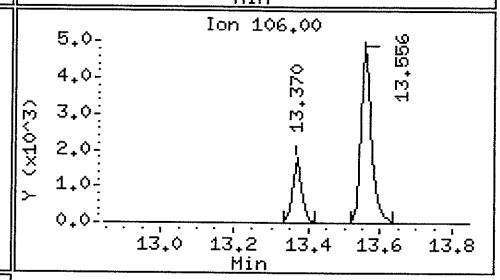
Data File: \\Target_server\GC\chem\gcms-s.i\S011808B.b\S8740.D
Date : 18-JAN-2008 14:17
Client ID: AWD-GW-MW303-2008 Instrument: gcms-s.i
Sample Info: SB0168-8

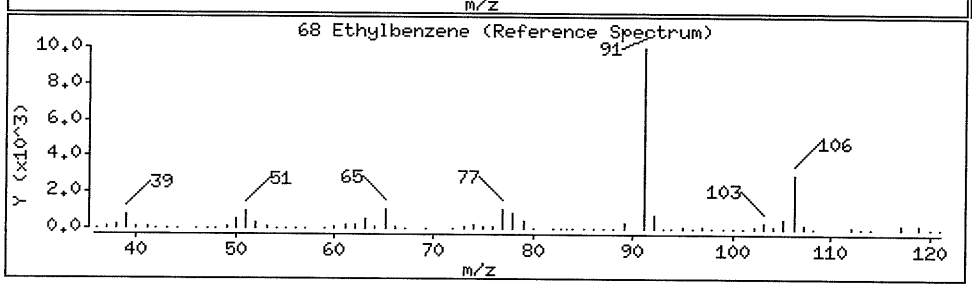
68 Ethylbenzene Concentration: 0.53 ug/l



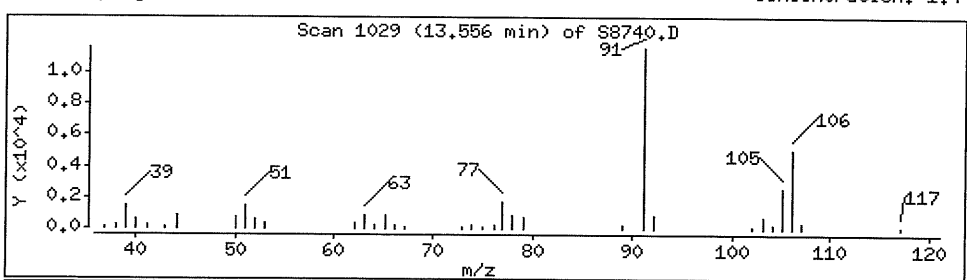


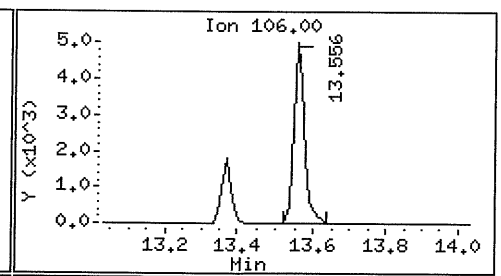


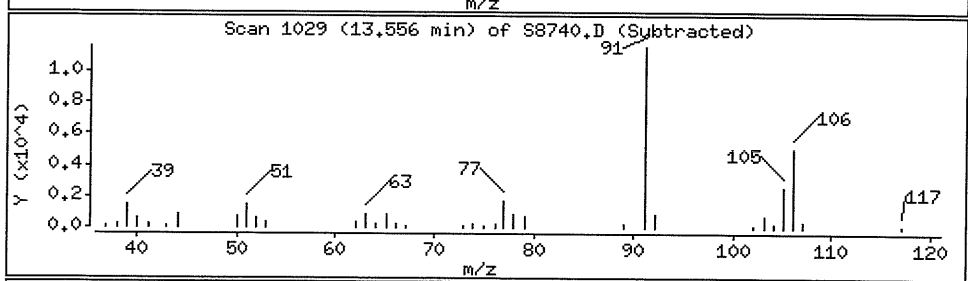


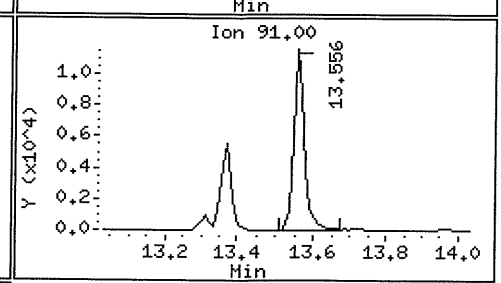


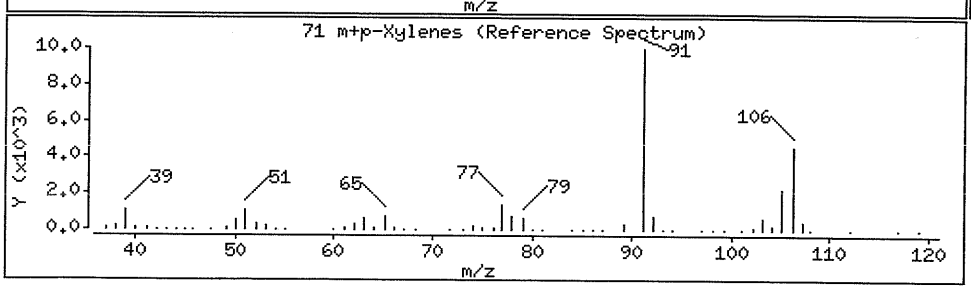
71 m+p-Xylenes Concentration: 1.4 ug/l











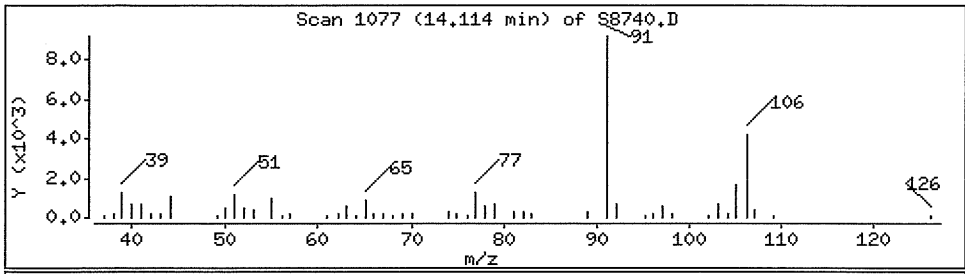
Data File: \\Target_server\GC\chem\gcms-s.i\S011808B.b\S8740.D

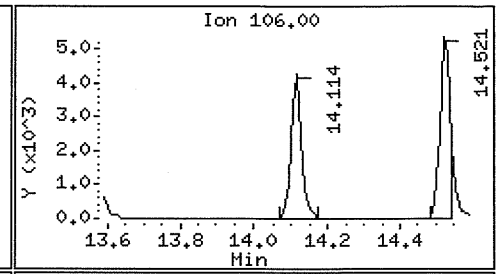
Date : 18-JAN-2008 14:17

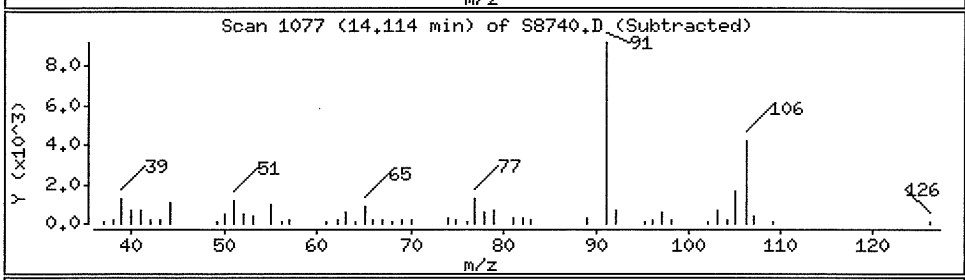
Client ID: AWD-GW-MW303-2008 Instrument: gcms-s.i

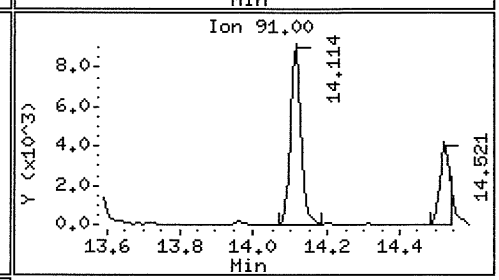
Sample Info: SB0168-8

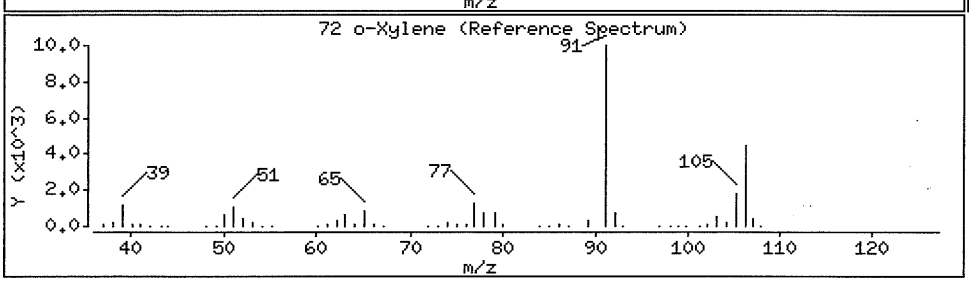
72 o-Xylene Concentration: 1.2 ug/l



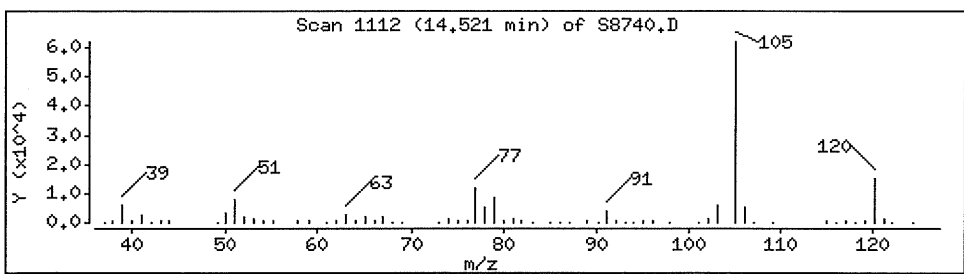


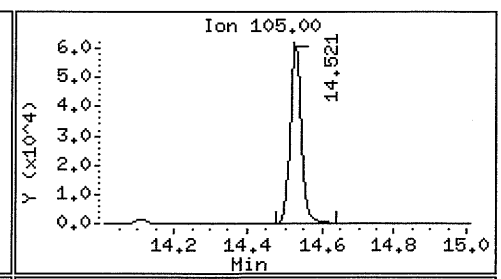


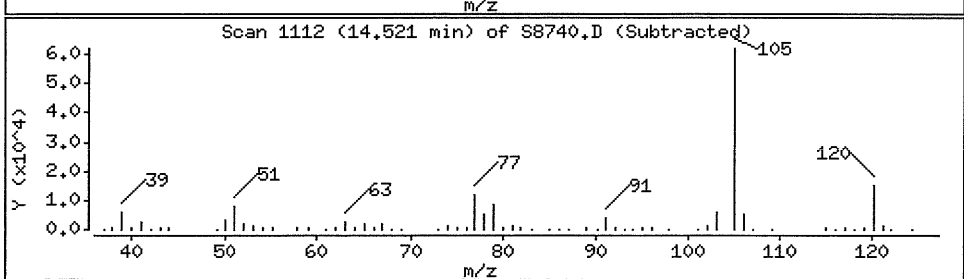


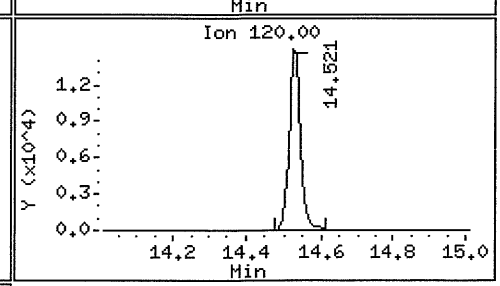


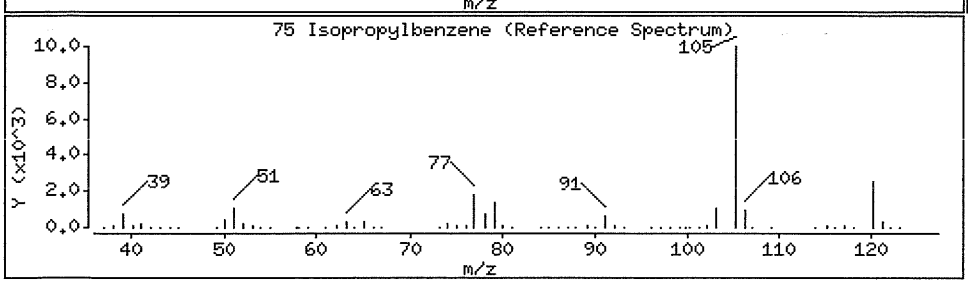
75 Isopropylbenzene Concentration: 8.7 ug/l











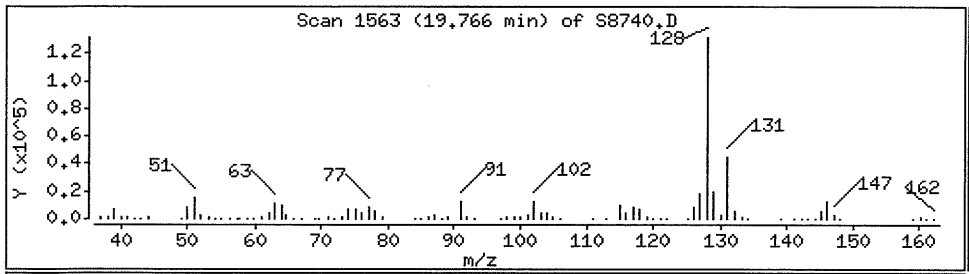
Data File: \\Target_server\GC\chem\gcms-s.i\S011808B.b\S8740.D

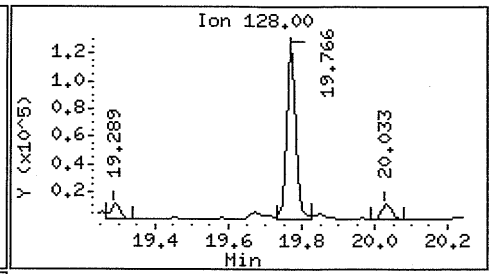
Date : 18-JAN-2008 14:17

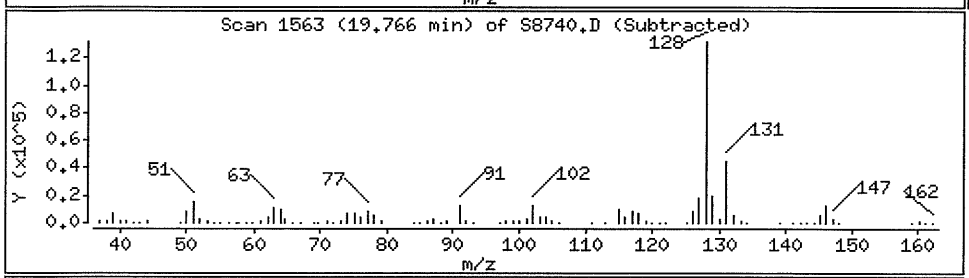
Client ID: AWD-GW-MW303-2008 Instrument: gcms-s.i

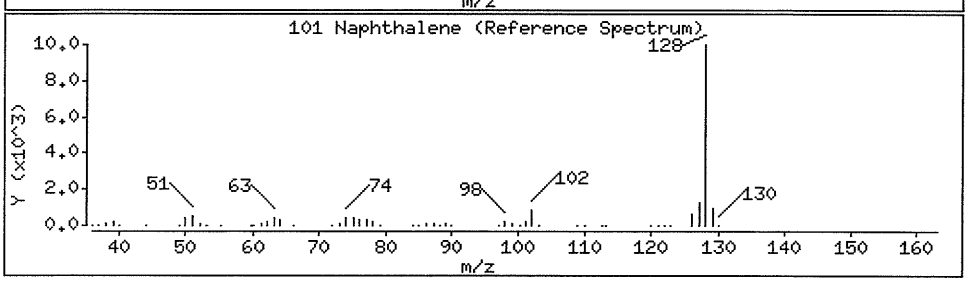
Sample Info: SB0168-8

101 Naphthalene Concentration: 19.0 ug/l









KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 01/08/08
Received Date: 01/10/08
Extraction Date:
Analysis Date: 17-JAN-2008 14:15
Report Date: 01/30/2008
Matrix: WATER
% Solids: NA

Lab ID: SB0168-9
Client ID: AWD-GW-MW304-2008
SDG: CTO426-1
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG47521
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
1634-04-4	Methyl tert-butyl ether	U	1	1.0	1	1	0.6
71-43-2	Benzene	U	1	1.0	1	1	0.4
108-88-3	Toluene	U	1	1.0	1	1	0.3
100-41-4	Ethylbenzene	U	1	1.0	1	1	0.4
1330-20-7	Xylenes (total)	U	3	1.0	3	3	0.4
	m+p-Xylenes	U	2	1.0	2	2	1.0
95-47-6	o-Xylene	U	1	1.0	1	1	0.4
98-82-8	Isopropylbenzene		2	1.0	1	1	0.5
91-20-3	Naphthalene	U	1	1.0	1	1	0.4
1868-53-7	Dibromofluoromethane		82%				
17060-07-0	1,2-Dichloroethane-D4		92%				
2037-26-5	Toluene-D8		90%				
460-00-4	P-Bromofluorobenzene		87%				

Data File: \\Target_server\GG\chem\gcms-s.i\S011708.b\S8708.D
Report Date: 30-Jan-2008 09:49

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gcms-s.i\S011708.b\S8708.D
Lab Smp Id: SB0168-9 Client Smp ID: AWD-GW-MW304-2008
Inj Date : 17-JAN-2008 14:15 MS Autotune Date: 21-NOV-2007 15:16
Operator : SKT Inst ID: gcms-s.i
Smp Info : SB0168-9
Misc Info : SW846 8260B
Comment :
Method : \\Target_server\GG\chem\gcms-s.i\S011708.b\s826a48.m
Meth Date : 17-Jan-2008 08:54 sthompson Quant Type: ISTD
Cal Date : 16-JAN-2008 19:34 Cal File: S8696.D
Als bottle: 20
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TETRAT426001.sub
Target Version: 4.12
Processing Host: TARGET05

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)
75 Isopropylbenzene	105	14.500	14.510	(0.883)	22929	1.62517	1.6
$ 37 Dibromofluoromethane	113	8.255	8.265	(0.904)	250511	41.2198	41.2
$ 45 1,2-Dichloroethane-D4	65	9.127	9.137	(1.000)	296565	46.2732	46.3
$ 55 Toluene-D8	98	11.395	11.393	(1.158)	668436	45.0066	45.0
$ 76 P-Bromofluorobenzene	95	14.884	14.882	(1.513)	271159	43.6298	43.6
* 42 Pentafluorobenzene	168	9.127	9.125	(1.000)	538614	50.0000	
* 49 1,4-Difluorobenzene	114	9.837	9.846	(1.000)	754477	50.0000	
* 66 Chlorobenzene-D5	117	13.279	13.289	(1.000)	670442	50.0000	
* 91 1,4-Dichlorobenzene-D4	152	16.431	16.428	(1.000)	342134	50.0000	

Data File: \\Target_server\GG\chem\gcms-s.i\S011708.b\S8708.D
Report Date: 30-Jan-2008 09:49

Katahdin Analytical Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcms-s.i
Lab File ID: S8708.D
Lab Smp Id: SB0168-9
Analysis Type: VOA
Quant Type: ISTD
Operator: SKT
Method File: \\Target_server\GG\chem\gcms-s.i\S011708.b\s826a48.m
Misc Info: SW846 8260B

Calibration Date: 17-JAN-2008
Calibration Time: 08:35
Client Smp ID: AWD-GW-MW304-20
Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 4

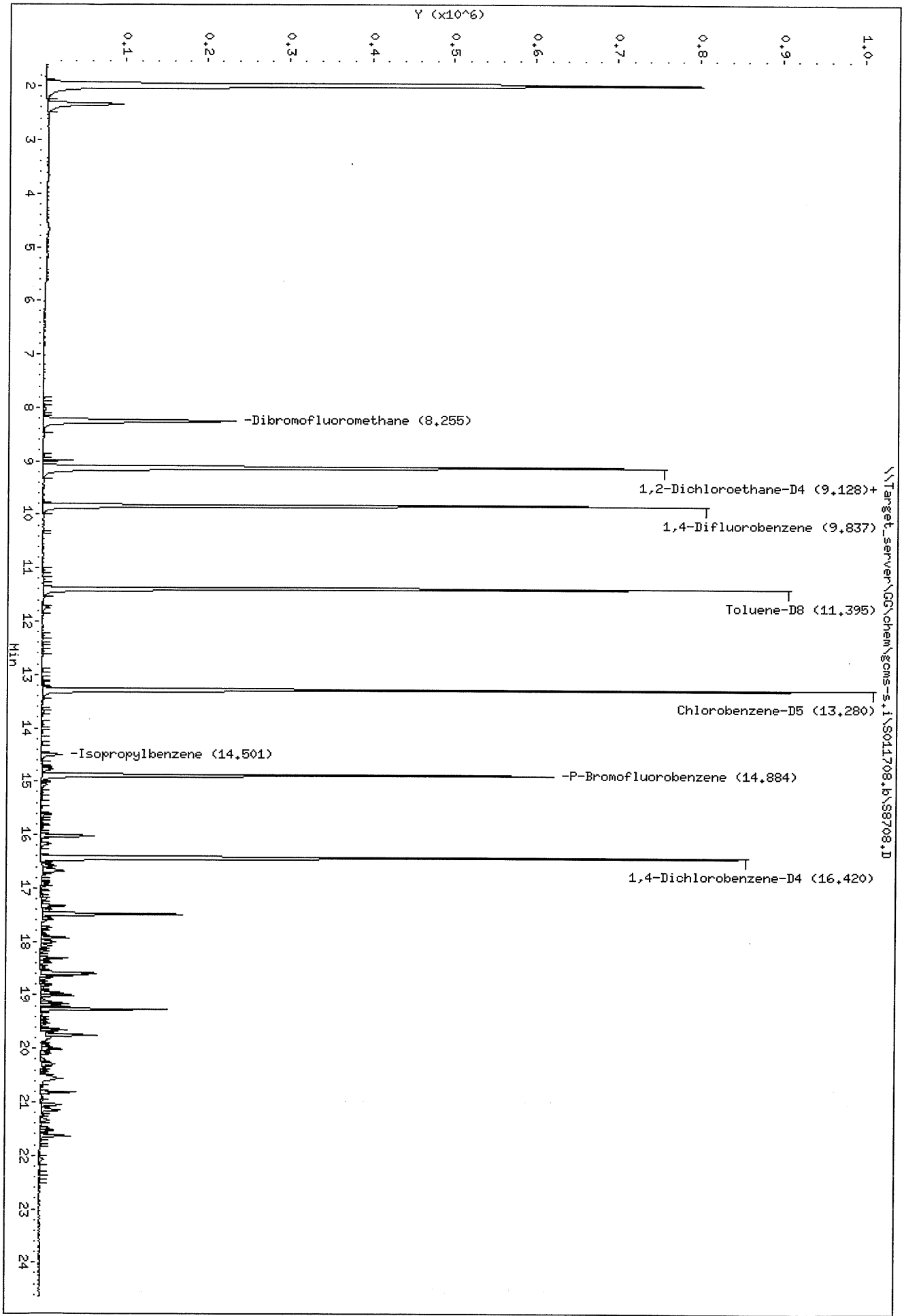
COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	628556	314278	1257112	538614	-14.31
49 1,4-Difluorobenze	887687	443844	1775374	754477	-15.01
66 Chlorobenzene-D5	767984	383992	1535968	670442	-12.70
91 1,4-Dichlorobenze	413885	206943	827770	342134	-17.34

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	9.12	8.62	9.62	9.13	0.09
49 1,4-Difluorobenze	9.83	9.33	10.33	9.84	0.08
66 Chlorobenzene-D5	13.27	12.77	13.77	13.28	0.06
91 1,4-Dichlorobenze	16.42	15.92	16.92	16.43	0.05

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.

Data File: \\Target_server\GC\chem\gcms-s.i\S011708.b\S8708.D
Date : 17-JAN-2008 14:15
Client ID: AWD-GW-MW304-2008
Sample Info: SB0168-9

Instrument: gcms-s.i



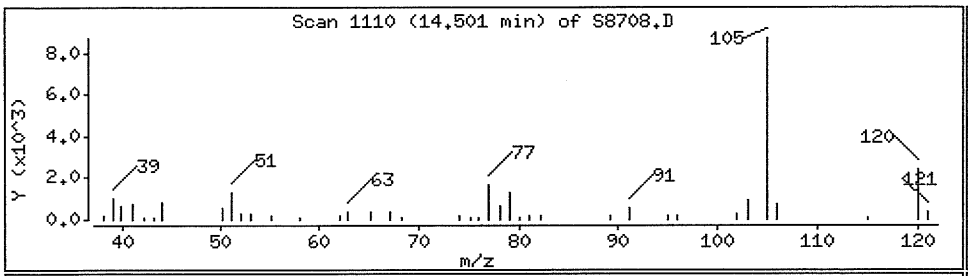
Data File: \\Target_server\GC\chem\gcms-s.i\S011708.b\S8708.D

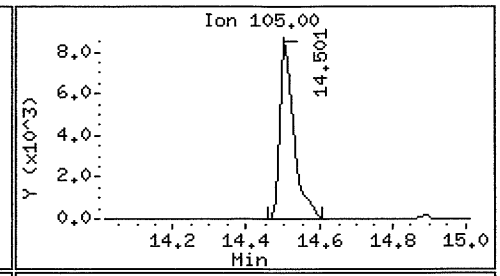
Date : 17-JAN-2008 14:15

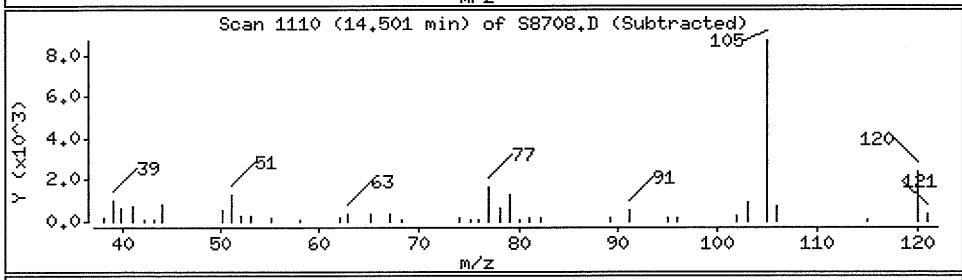
Client ID: AWD-GW-MW304-2008 Instrument: gcms-s.i

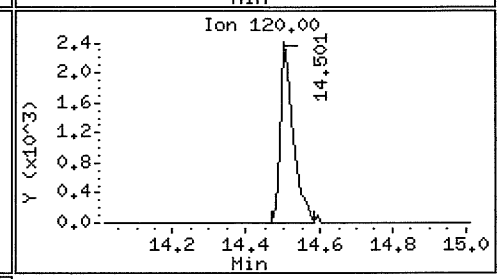
Sample Info: SB0168-9

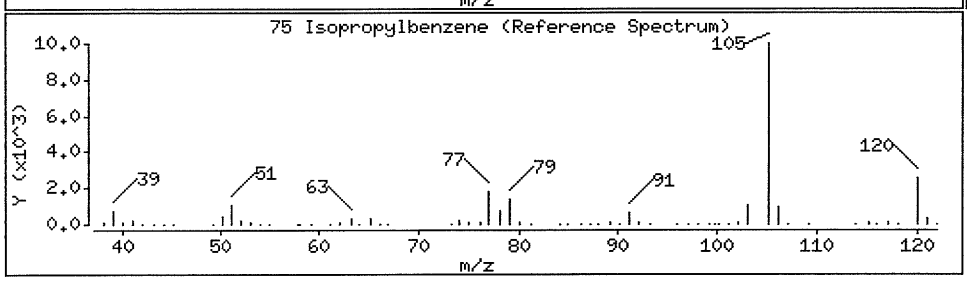
75 Isopropylbenzene Concentration: 1.6 ug/l











KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 01/09/08
Received Date: 01/10/08
Extraction Date:
Analysis Date: 17-JAN-2008 14:46
Report Date: 01/30/2008
Matrix: WATER
% Solids: NA

Lab ID: SB0168-10
Client ID: AWD-GW-MW401-2008
SDG: CTO426-1
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG47521
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
1634-04-4	Methyl tert-butyl ether	U	1	1.0	1	1	0.6
71-43-2	Benzene	U	1	1.0	1	1	0.4
108-88-3	Toluene	U	1	1.0	1	1	0.3
100-41-4	Ethylbenzene	U	1	1.0	1	1	0.4
1330-20-7	Xylenes (total)	U	3	1.0	3	3	0.4
	m+p-Xylenes	U	2	1.0	2	2	1.0
95-47-6	o-Xylene	U	1	1.0	1	1	0.4
98-82-8	Isopropylbenzene	U	1	1.0	1	1	0.5
91-20-3	Naphthalene	U	1	1.0	1	1	0.4
1868-53-7	Dibromofluoromethane		85%				
17060-07-0	1,2-Dichloroethane-D4		95%				
2037-26-5	Toluene-D8		91%				
460-00-4	P-Bromofluorobenzene		92%				

Data File: \\Target_server\GG\chem\gcms-s.i\S011708.b\S8709.D
Report Date: 30-Jan-2008 09:49

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gcms-s.i\S011708.b\S8709.D
Lab Smp Id: SB0168-10 Client Smp ID: AWD-GW-MW401-2008
Inj Date : 17-JAN-2008 14:46 MS Autotune Date: 21-NOV-2007 15:16
Operator : SKT Inst ID: gcms-s.i
Smp Info : SB0168-10
Misc Info : SW846 8260B
Comment :
Method : \\Target_server\GG\chem\gcms-s.i\S011708.b\s826a48.m
Meth Date : 17-Jan-2008 08:54 sthompson Quant Type: ISTD
Cal Date : 16-JAN-2008 19:34 Cal File: S8696.D
Als bottle: 21
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TETRAT426001.sub
Target Version: 4.12
Processing Host: TARGET05

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)
$ 37 Dibromofluoromethane	113	8.253	8.265	(0.904)	266948	42.5732	42.6
$ 45 1,2-Dichloroethane-D4	65	9.125	9.137	(1.000)	313497	47.4103	47.4
$ 55 Toluene-D8	98	11.393	11.393	(1.158)	716062	45.3015	45.3
$ 76 P-Bromofluorobenzene	95	14.882	14.882	(1.513)	302674	45.7593	45.8
* 42 Pentafluorobenzene	168	9.125	9.125	(1.000)	555709	50.0000	
* 49 1,4-Difluorobenzene	114	9.834	9.846	(1.000)	802973	50.0000	
* 66 Chlorobenzene-D5	117	13.288	13.289	(1.000)	685517	50.0000	
* 91 1,4-Dichlorobenzene-D4	152	16.428	16.428	(1.000)	347785	50.0000	

Data File: \\Target_server\GG\chem\gcms-s.i\S011708.b\S8709.D
Report Date: 30-Jan-2008 09:49

Katahdin Analytical Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcms-s.i
Lab File ID: S8709.D
Lab Smp Id: SB0168-10
Analysis Type: VOA
Quant Type: ISTD
Operator: SKT
Method File: \\Target_server\GG\chem\gcms-s.i\S011708.b\s826a48.m
Misc Info: SW846 8260B

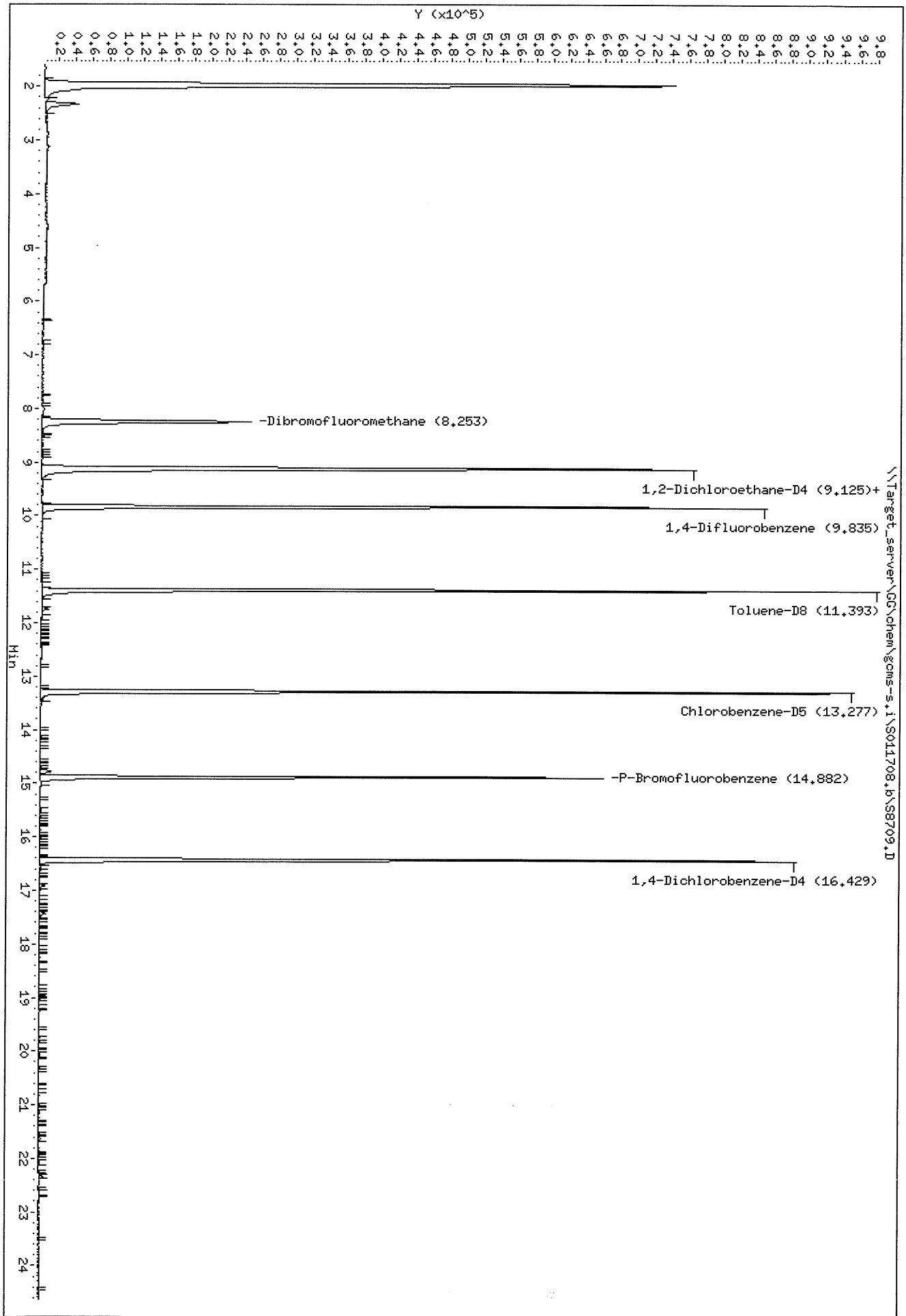
Calibration Date: 17-JAN-2008
Calibration Time: 08:35
Client Smp ID: AWD-GW-MW401-20
Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 4

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	628556	314278	1257112	555709	-11.59
49 1,4-Difluorobenze	887687	443844	1775374	802973	-9.54
66 Chlorobenzene-D5	767984	383992	1535968	685517	-10.74
91 1,4-Dichlorobenze	413885	206943	827770	347785	-15.97

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	9.12	8.62	9.62	9.13	0.07
49 1,4-Difluorobenze	9.83	9.33	10.33	9.83	0.06
66 Chlorobenzene-D5	13.27	12.77	13.77	13.29	0.13
91 1,4-Dichlorobenze	16.42	15.92	16.92	16.43	0.04

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.


Data File: \\Target_server\GC\chem\gcms-s.i\S011708.b\S8709.D
Date : 17-JAN-2008 14:46
Client ID: AWD-GW-MW401-2008
Sample Info: SB0168-10
Instrument: gcms-s.i
Y (x10^5)
Min
-Dibromofluoromethane (8.253)
1,2-Dichloroethane-D4 (9.125)+
1,4-Difluorobenzene (9.835)
Toluene-D8 (11.393)
Chlorobenzene-D5 (13.277)
-P-Bromofluorobenzene (14.882)
1,4-Dichlorobenzene-D4 (16.429)
\\Target_server\GC\chem\gcms-s.i\S011708.b\S8709.D

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 01/09/08
Received Date: 01/10/08
Extraction Date:
Analysis Date: 18-JAN-2008 14:48
Report Date: 01/30/2008
Matrix: WATER
% Solids: NA

Lab ID: SB0168-11
Client ID: AWD-GW-MW402-2008
SDG: CTO426-1
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG47570
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
1634-04-4	Methyl tert-butyl ether	U	1	1.0	1	1	0.6
71-43-2	Benzene	U	1	1.0	1	1	0.4
108-88-3	Toluene	U	1	1.0	1	1	0.3
100-41-4	Ethylbenzene	U	1	1.0	1	1	0.4
1330-20-7	Xylenes (total)	J	0.7	1.0	3	3	0.4
	m+p-Xylenes	U	2	1.0	2	2	1.0
95-47-6	o-Xylene	J	0.7	1.0	1	1	0.4
98-82-8	Isopropylbenzene		2	1.0	1	1	0.5
91-20-3	Naphthalene		6	1.0	1	1	0.4
1868-53-7	Dibromofluoromethane		82%				
17060-07-0	1,2-Dichloroethane-D4		87%				
2037-26-5	Toluene-D8		91%				
460-00-4	P-Bromofluorobenzene		91%				

Data File: \\Target_server\GG\chem\gcms-s.i\S011808B.b\S8741.D
Report Date: 30-Jan-2008 10:18

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gcms-s.i\S011808B.b\S8741.D
Lab Smp Id: SB0168-11 Client Smp ID: AWD-GW-MW402-2008
Inj Date : 18-JAN-2008 14:48 MS Autotune Date: 21-NOV-2007 15:16
Operator : SKT Inst ID: gcms-s.i
Smp Info : SB0168-11
Misc Info : SW846 8260B
Comment :
Method : \\Target_server\GG\chem\gcms-s.i\S011808B.b\s826a48.m
Meth Date : 18-Jan-2008 10:08 jsampson Quant Type: ISTD
Cal Date : 16-JAN-2008 19:34 Cal File: S8696.D
Als bottle: 18
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TETRAT426001.sub
Target Version: 4.12
Processing Host: TARGET05

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)
M 70 Xylenes (total)	106				5566	0.68957	0.69(a)
72 o-Xylene	106	14.106	14.091	(1.060)	5566	0.68957	0.69(a)
75 Isopropylbenzene	105	14.525	14.510	(0.883)	27356	1.68255	1.7
101 Naphthalene	128	19.770	19.743	(1.202)	81586	6.25476	6.2
$ 37 Dibromofluoromethane	113	8.291	8.265	(0.906)	291676	40.8972	40.9
$ 45 1,2-Dichloroethane-D4	65	9.163	9.137	(1.001)	327557	43.5521	43.6
$ 55 Toluene-D8	98	11.419	11.393	(1.158)	775239	45.5325	45.5
$ 76 P-Bromofluorobenzene	95	14.897	14.882	(1.511)	325603	45.7001	45.7
* 42 Pentafluorobenzene	168	9.152	9.125	(1.000)	632069	50.0000	
* 49 1,4-Difluorobenzene	114	9.861	9.846	(1.000)	864921	50.0000	
* 66 Chlorobenzene-D5	117	13.303	13.289	(1.000)	752330	50.0000	
* 91 1,4-Dichlorobenzene-D4	152	16.443	16.428	(1.000)	394271	50.0000	

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: \\Target_server\GG\chem\gcms-s.i\S011808B.b\S8741.D
Report Date: 30-Jan-2008 10:18

Katahdin Analytical Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcms-s.i
Lab File ID: S8741.D
Lab Smp Id: SB0168-11
Analysis Type: VOA
Quant Type: ISTD
Operator: SKT
Method File: \\Target_server\GG\chem\gcms-s.i\S011808B.b\s826a48.m
Misc Info: SW846 8260B

Calibration Date: 18-JAN-2008
Calibration Time: 09:51
Client Smp ID: AWD-GW-MW402-20
Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 4

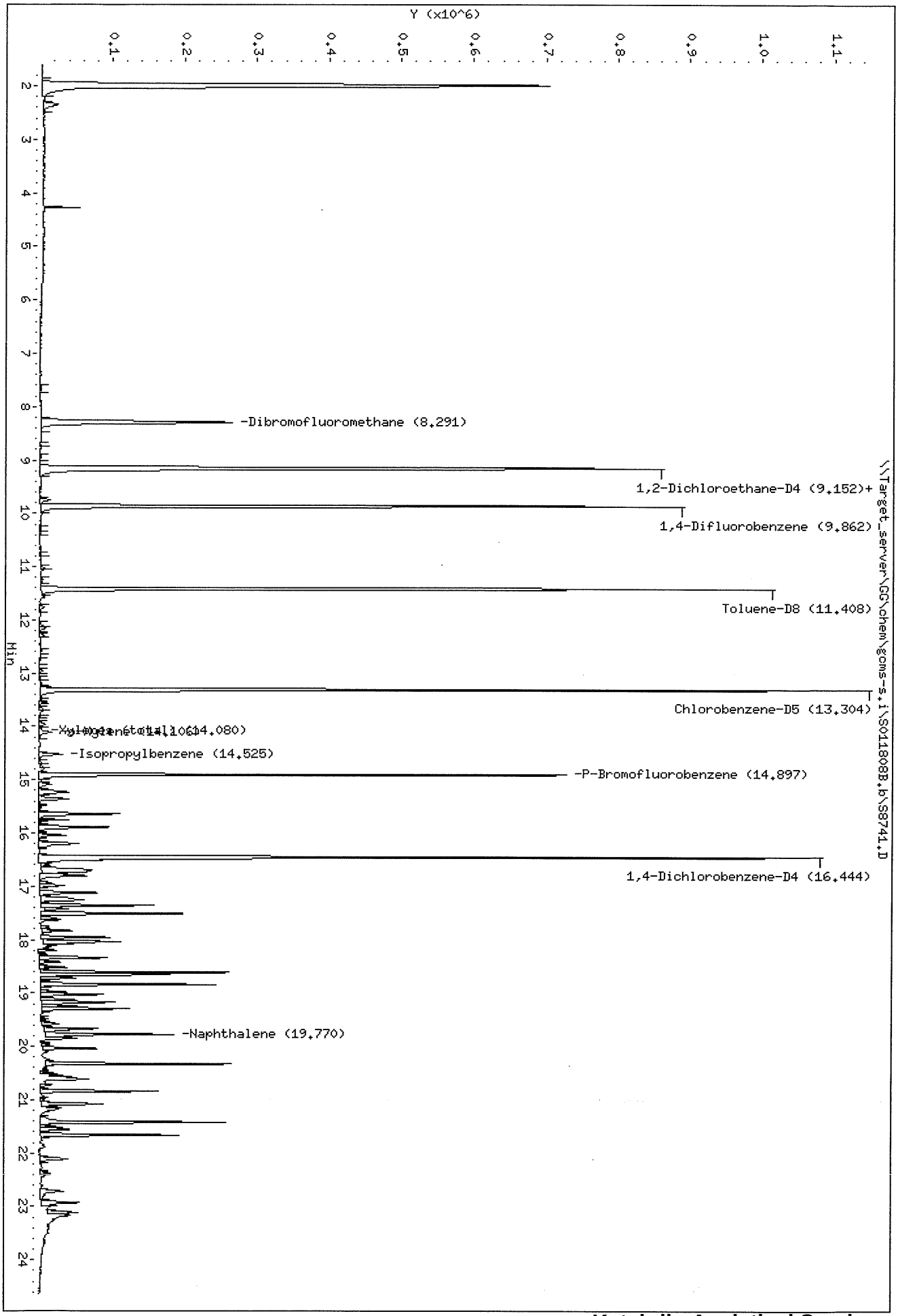
COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	575463	287732	1150926	632069	9.84
49 1,4-Difluorobenze	821948	410974	1643896	864921	5.23
66 Chlorobenzene-D5	718198	359099	1436396	752330	4.75
91 1,4-Dichlorobenze	389229	194615	778458	394271	1.30

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	9.15	8.65	9.65	9.15	0.00
49 1,4-Difluorobenze	9.86	9.36	10.36	9.86	0.00
66 Chlorobenzene-D5	13.30	12.80	13.80	13.30	0.00
91 1,4-Dichlorobenze	16.44	15.94	16.94	16.44	0.00

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.

Data File: \\Target_server\GC\chem\gcms-s.i\S011808B.b\S8741.D
Date : 18-JAN-2008 14:48
Client ID: AWD-GW-MW402-2008
Sample Info: SB0168-11

Instrument: gcms-s.i



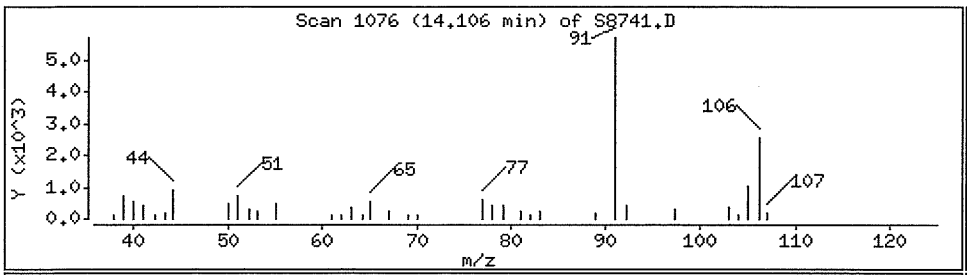
Data File: \\Target_server\GC\chem\gcms-s.i\S011808B.b\S8741.D

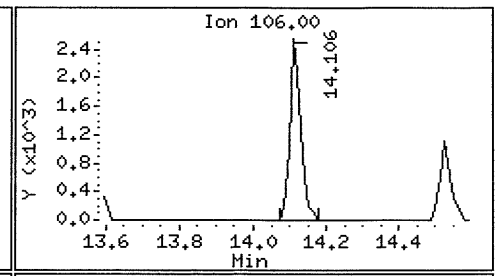
Date : 18-JAN-2008 14:48

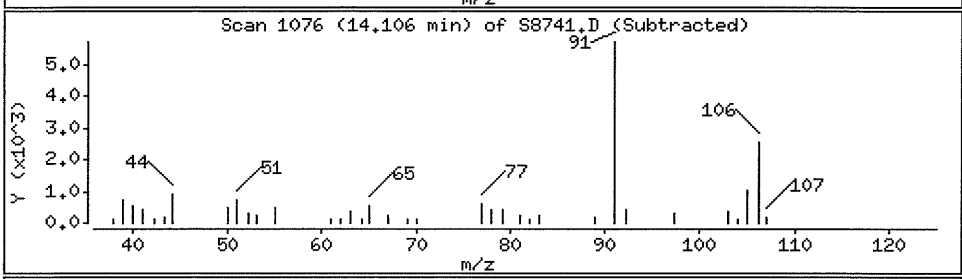
Client ID: AWD-GW-MW402-2008 Instrument: gcms-s.i

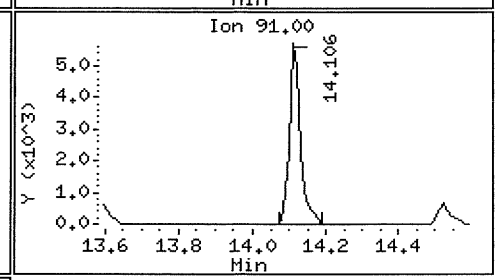
Sample Info: SB0168-11

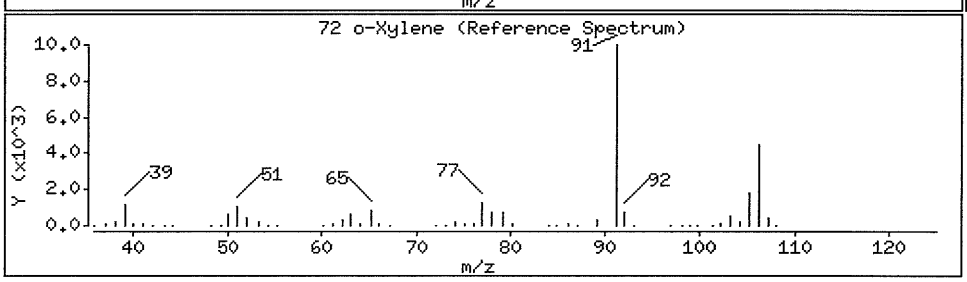
72 o-Xylene Concentration: 0.69 ug/l



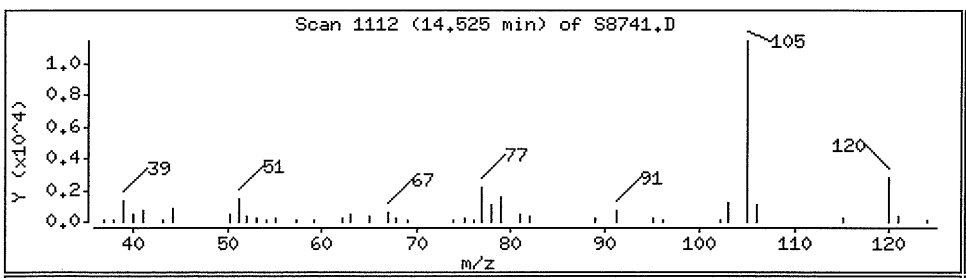


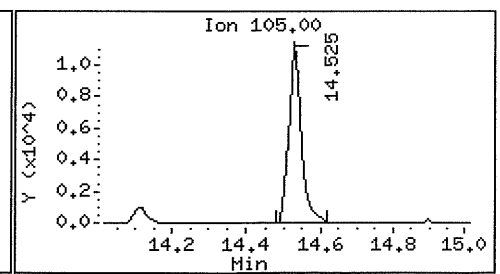


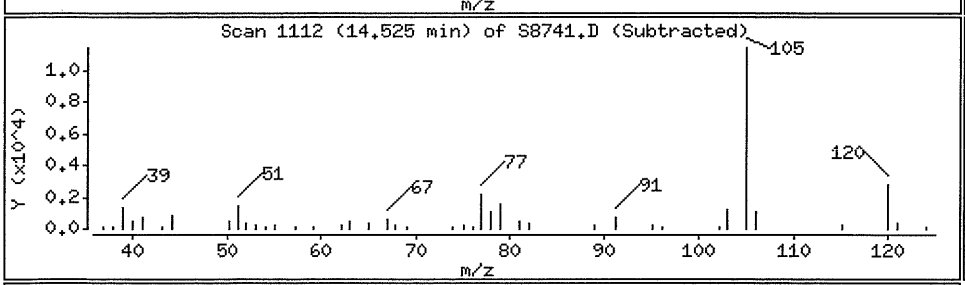


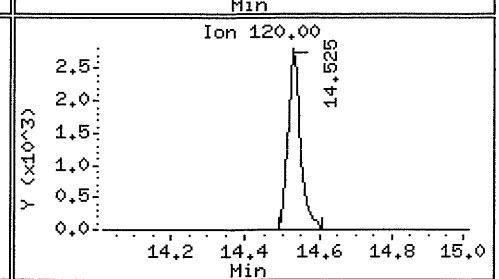


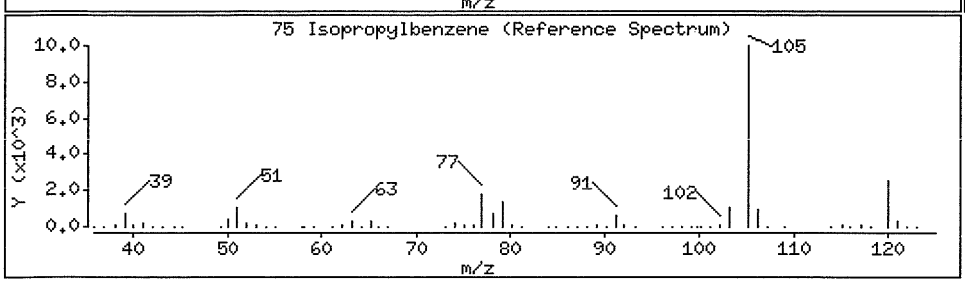
75 Isopropylbenzene Concentration: 1.7 ug/l











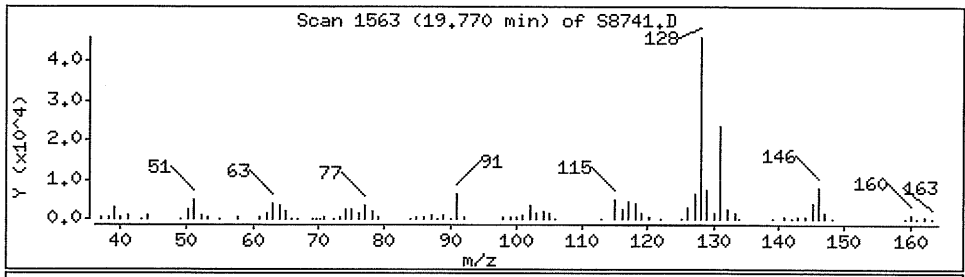
Data File: \\Target_server\GC\chem\gcms-s.i\S011808B.b\S8741.D

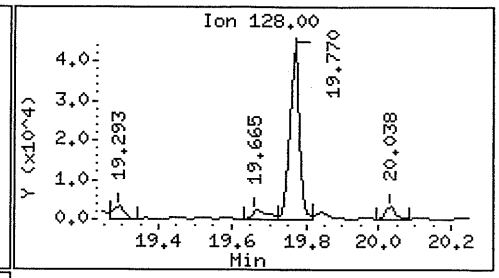
Date : 18-JAN-2008 14:48

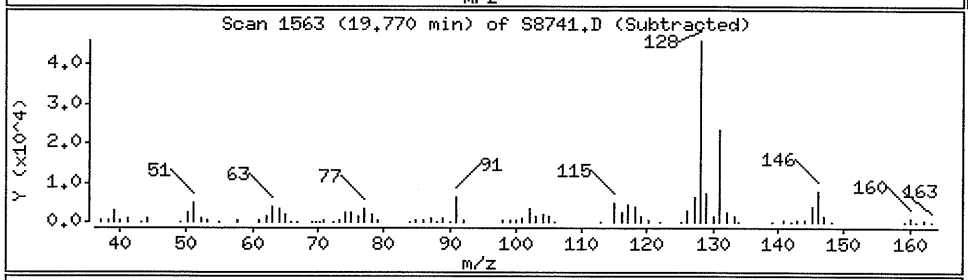
Client ID: AWD-GW-MW402-2008 Instrument: gcms-s.i

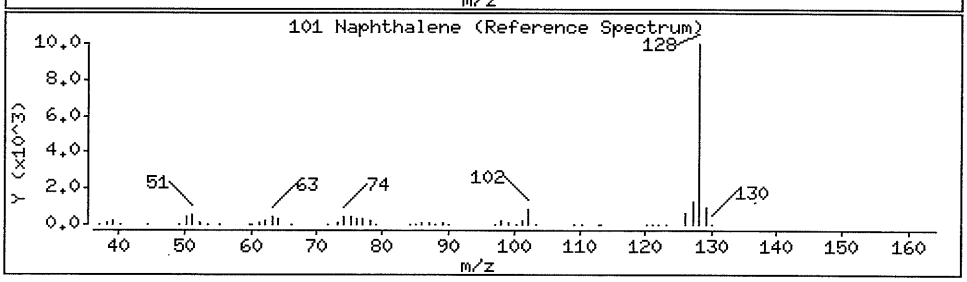
Sample Info: SB0168-11

101 Naphthalene Concentration: 6.2 ug/l









KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 01/09/08
Received Date: 01/10/08
Extraction Date:
Analysis Date: 18-JAN-2008 15:19
Report Date: 01/30/2008
Matrix: WATER
% Solids: NA

Lab ID: SB0168-12
Client ID: AWD-GW-DUP1
SDG: CTO426-1
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG47570
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
1634-04-4	Methyl tert-butyl ether	U	1	1.0	1	1	0.6
71-43-2	Benzene	U	1	1.0	1	1	0.4
108-88-3	Toluene	U	1	1.0	1	1	0.3
100-41-4	Ethylbenzene	U	1	1.0	1	1	0.4
1330-20-7	Xylenes (total)	J	0.7	1.0	3	3	0.4
	m+p-Xylenes	U	2	1.0	2	2	1.0
95-47-6	o-Xylene	J	0.7	1.0	1	1	0.4
98-82-8	Isopropylbenzene		2	1.0	1	1	0.5
91-20-3	Naphthalene		6	1.0	1	1	0.4
1868-53-7	Dibromofluoromethane		82%				
17060-07-0	1,2-Dichloroethane-D4		86%				
2037-26-5	Toluene-D8		86%				
460-00-4	P-Bromofluorobenzene		84%				

Data File: \\Target_server\GG\chem\gcms-s.i\S011808B.b\S8742.D
Report Date: 30-Jan-2008 10:18

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gcms-s.i\S011808B.b\S8742.D
Lab Smp Id: SB0168-12 Client Smp ID: AWD-GW-DUP1
Inj Date : 18-JAN-2008 15:19 MS Autotune Date: 21-NOV-2007 15:16
Operator : SKT Inst ID: gcms-s.i
Smp Info : SB0168-12
Misc Info : SW846 8260B
Comment :
Method : \\Target_server\GG\chem\gcms-s.i\S011808B.b\s826a48.m
Meth Date : 18-Jan-2008 10:08 jsampson Quant Type: ISTD
Cal Date : 16-JAN-2008 19:34 Cal File: S8696.D
Als bottle: 19
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TETRAT426001.sub
Target Version: 4.12
Processing Host: TARGET05

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)
M 70 Xylenes (total)	106				6380	0.74315	0.74(a)
72 o-Xylene	106	14.108	14.091	(1.060)	6380	0.74315	0.74(a)
75 Isopropylbenzene	105	14.527	14.510	(0.883)	29036	1.76893	1.8
101 Naphthalene	128	19.760	19.743	(1.202)	82319	6.25108	6.2
$ 37 Dibromofluoromethane	113	8.282	8.265	(0.905)	298484	41.0436	41.0
$ 45 1,2-Dichloroethane-D4	65	9.154	9.137	(1.000)	328222	42.7978	42.8
$ 55 Toluene-D8	98	11.410	11.393	(1.157)	770845	43.0368	43.0
$ 76 P-Bromofluorobenzene	95	14.899	14.882	(1.511)	315663	42.1153	42.1
* 42 Pentafluorobenzene	168	9.154	9.125	(1.000)	644515	50.0000	
* 49 1,4-Difluorobenzene	114	9.863	9.846	(1.000)	909891	50.0000	
* 66 Chlorobenzene-D5	117	13.306	13.289	(1.000)	800181	50.0000	
* 91 1,4-Dichlorobenzene-D4	152	16.446	16.428	(1.000)	398048	50.0000	

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: \\Target_server\GG\chem\gcms-s.i\S011808B.b\S8742.D
Report Date: 30-Jan-2008 10:18

Katahdin Analytical Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcms-s.i
Lab File ID: S8742.D
Lab Smp Id: SB0168-12
Analysis Type: VOA
Quant Type: ISTD
Operator: SKT
Method File: \\Target_server\GG\chem\gcms-s.i\S011808B.b\s826a48.m
Misc Info: SW846 8260B

Calibration Date: 18-JAN-2008
Calibration Time: 09:51
Client Smp ID: AWD-GW-DUP1
Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 4

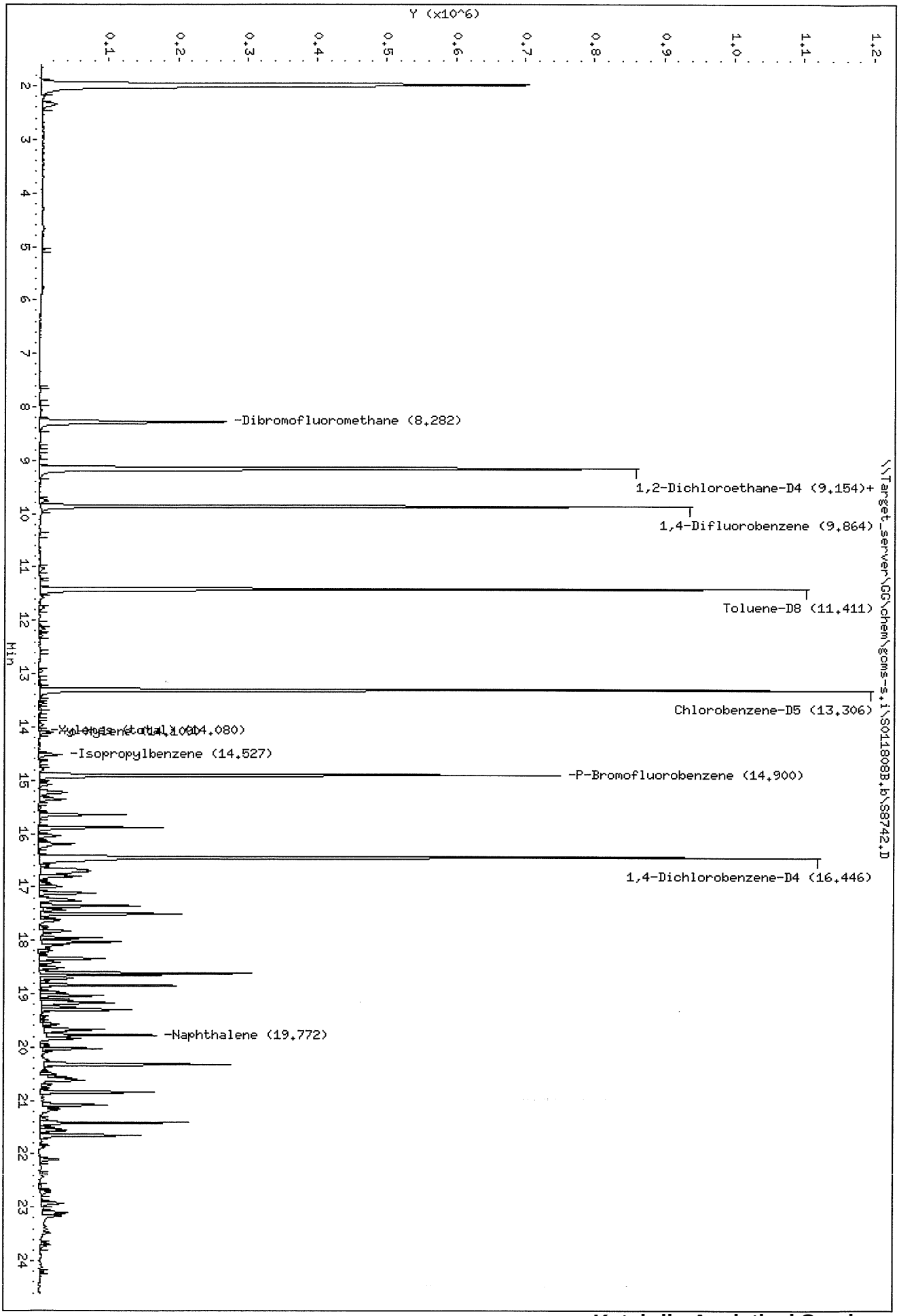
COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	575463	287732	1150926	644515	12.00
49 1,4-Difluorobenze	821948	410974	1643896	909891	10.70
66 Chlorobenzene-D5	718198	359099	1436396	800181	11.42
91 1,4-Dichlorobenze	389229	194615	778458	398048	2.27

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	9.15	8.65	9.65	9.15	0.03
49 1,4-Difluorobenze	9.86	9.36	10.36	9.86	0.03
66 Chlorobenzene-D5	13.30	12.80	13.80	13.31	0.02
91 1,4-Dichlorobenze	16.44	15.94	16.94	16.45	0.02

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.

Data File: \\Target_server\GC\chem\gcms-s.i\S011808B.b\S8742.D
Date : 18-JAN-2008 15:19
Client ID: AWD-GW-DUP1
Sample Info: SB0168-12

Instrument: gcms-s.i



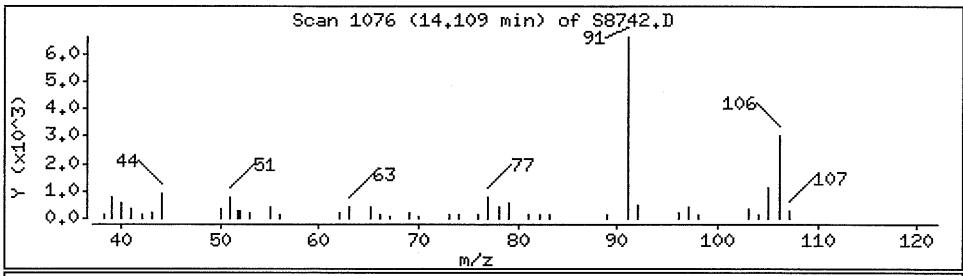
Data File: \\Target_server\GG\chem\gcms-s.i\S011808B.b\S8742.D

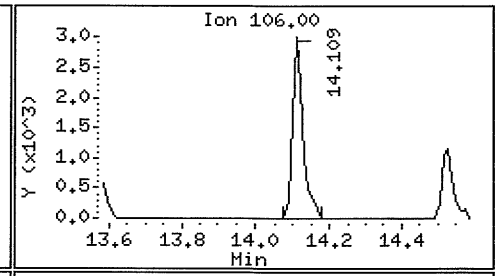
Date : 18-JAN-2008 15:19

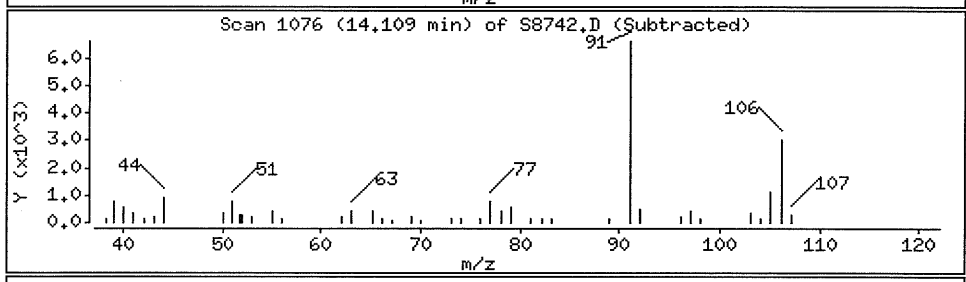
Client ID: AWD-GW-DUP1 Instrument: gcms-s.i

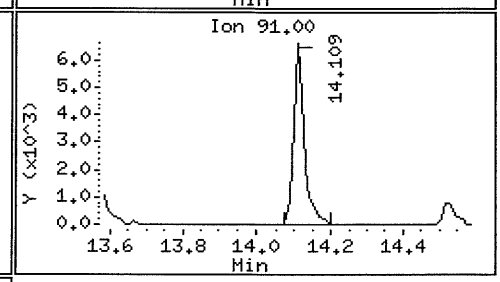
Sample Info: SB0168-12

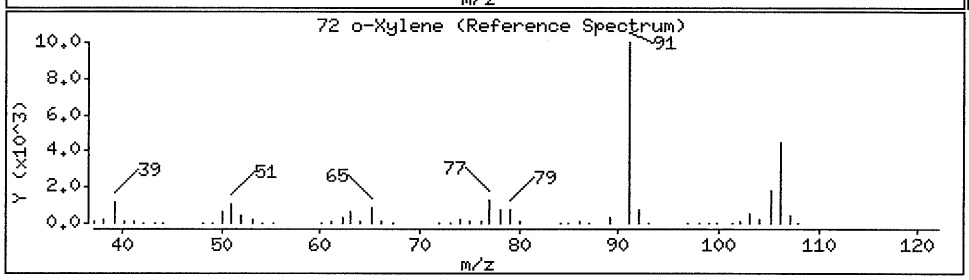
72 o-Xylene Concentration: 0.74 ug/l



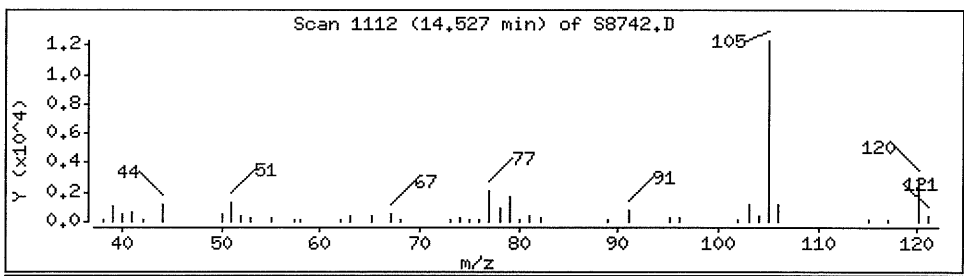


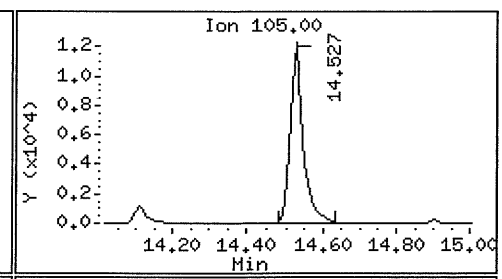


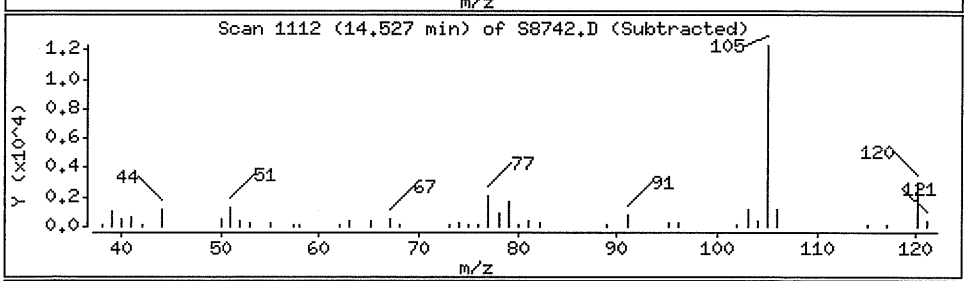


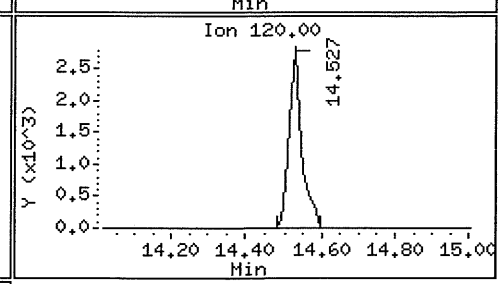


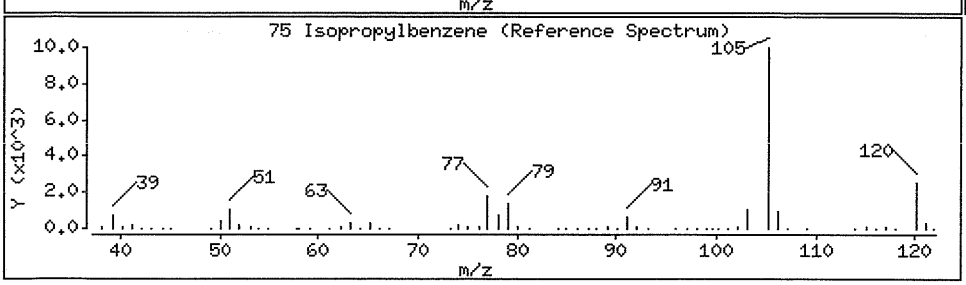
75 Isopropylbenzene Concentration: 1.8 ug/l











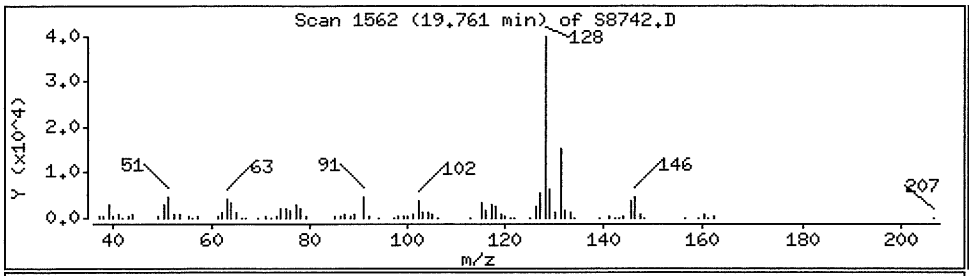
Data File: \\Target_server\GC\chem\gcms-s.i\S011808B.b\S8742.D

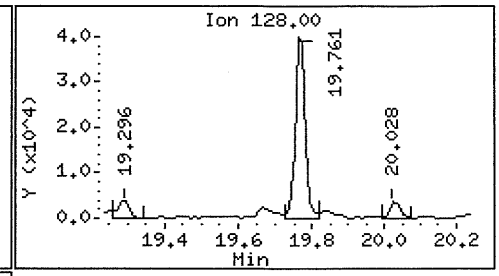
Date : 18-JAN-2008 15:19

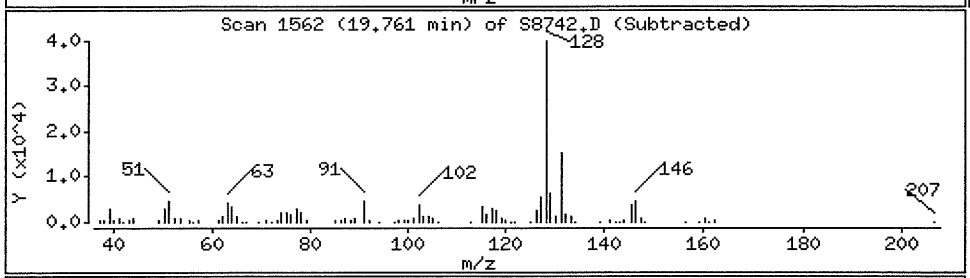
Client ID: AWD-GW-DUP1 Instrument: gcms-s.i

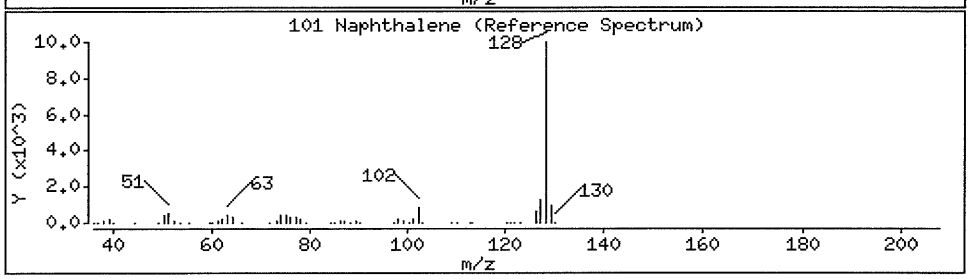
Sample Info: SB0168-12

101 Naphthalene Concentration: 6.2 ug/l









KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 01/08/08
Received Date: 01/10/08
Extraction Date:
Analysis Date: 16-JAN-2008 14:17
Report Date: 01/30/2008
Matrix: WATER
% Solids: NA

Lab ID: SB0168-13
Client ID: AWD-GW-TB1
SDG: CTO426-1
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG47493
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
1634-04-4	Methyl tert-butyl ether	U	1	1.0	1	1	0.6
71-43-2	Benzene	U	1	1.0	1	1	0.4
108-88-3	Toluene	U	1	1.0	1	1	0.3
100-41-4	Ethylbenzene	U	1	1.0	1	1	0.4
1330-20-7	Xylenes (total)	U	3	1.0	3	3	0.4
	m+p-Xylenes	U	2	1.0	2	2	1.0
95-47-6	o-Xylene	U	1	1.0	1	1	0.4
98-82-8	Isopropylbenzene	U	1	1.0	1	1	0.5
91-20-3	Naphthalene	U	1	1.0	1	1	0.4
1868-53-7	Dibromofluoromethane		84%				
17060-07-0	1,2-Dichloroethane-D4		80%				
2037-26-5	Toluene-D8		88%				
460-00-4	P-Bromofluorobenzene		85%				

Data File: \\Target_server\GG\chem\gcms-z.i\Z011608B.b\Z6398.D
Report Date: 30-Jan-2008 10:22

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gcms-z.i\Z011608B.b\Z6398.D
Lab Smp Id: SB0168-13 Client Smp ID: AWD-GW-TB1
Inj Date : 16-JAN-2008 14:17 MS Autotune Date: 09-OCT-2007 12:05
Operator : SKT Inst ID: gcms-z.i
Smp Info : SB0168-13
Misc Info : SW846 8260B
Comment :
Method : \\Target_server\GG\chem\gcms-z.i\Z011608B.b\Z826a71.m
Meth Date : 24-Jan-2008 10:18 jprescott Quant Type: ISTD
Cal Date : 14-JAN-2008 17:08 Cal File: Z6357.D
Als bottle: 15
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TETRAT426001.sub
Target Version: 4.12
Processing Host: TARGET05

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	sample purged
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	CONCENTRATIONS FINAL (ug/l)
$ 37 Dibromofluoromethane	113	9.433	9.457	(0.932)	214511	42.1255	42.1
$ 45 1,2-Dichloroethane-D4	65	10.141	10.153	(1.002)	169673	40.2655	40.3
$ 55 Toluene-D8	98	12.322	12.335	(1.147)	554288	43.9665	44.0
$ 76 P-Bromofluorobenzene	95	15.851	15.863	(1.475)	230184	42.4088	42.4
* 42 Pentafluorobenzene	168	10.117	10.141	(1.000)	450614	50.0000	
* 49 1,4-Difluorobenzene	114	10.744	10.756	(1.000)	650127	50.0000	
* 66 Chlorobenzene-D5	117	14.261	14.273	(1.000)	547292	50.0000	
* 91 1,4-Dichlorobenzene-D4	152	17.418	17.430	(1.000)	252363	50.0000	

Data File: \\Target_server\GG\chem\gcms-z.i\Z011608B.b\Z6398.D
Report Date: 30-Jan-2008 10:22

Katahdin Analytical Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcms-z.i
Lab File ID: Z6398.D
Lab Smp Id: SB0168-13
Analysis Type: VOA
Quant Type: ISTD
Operator: SKT
Calibration Date: 16-JAN-2008
Calibration Time: 10:52
Client Smp ID: AWD-GW-TB1
Level: LOW
Sample Type: WATER
Method File: \\Target_server\GG\chem\gcms-z.i\Z011608B.b\Z826a71.m
Misc Info: SW846 8260B

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 4

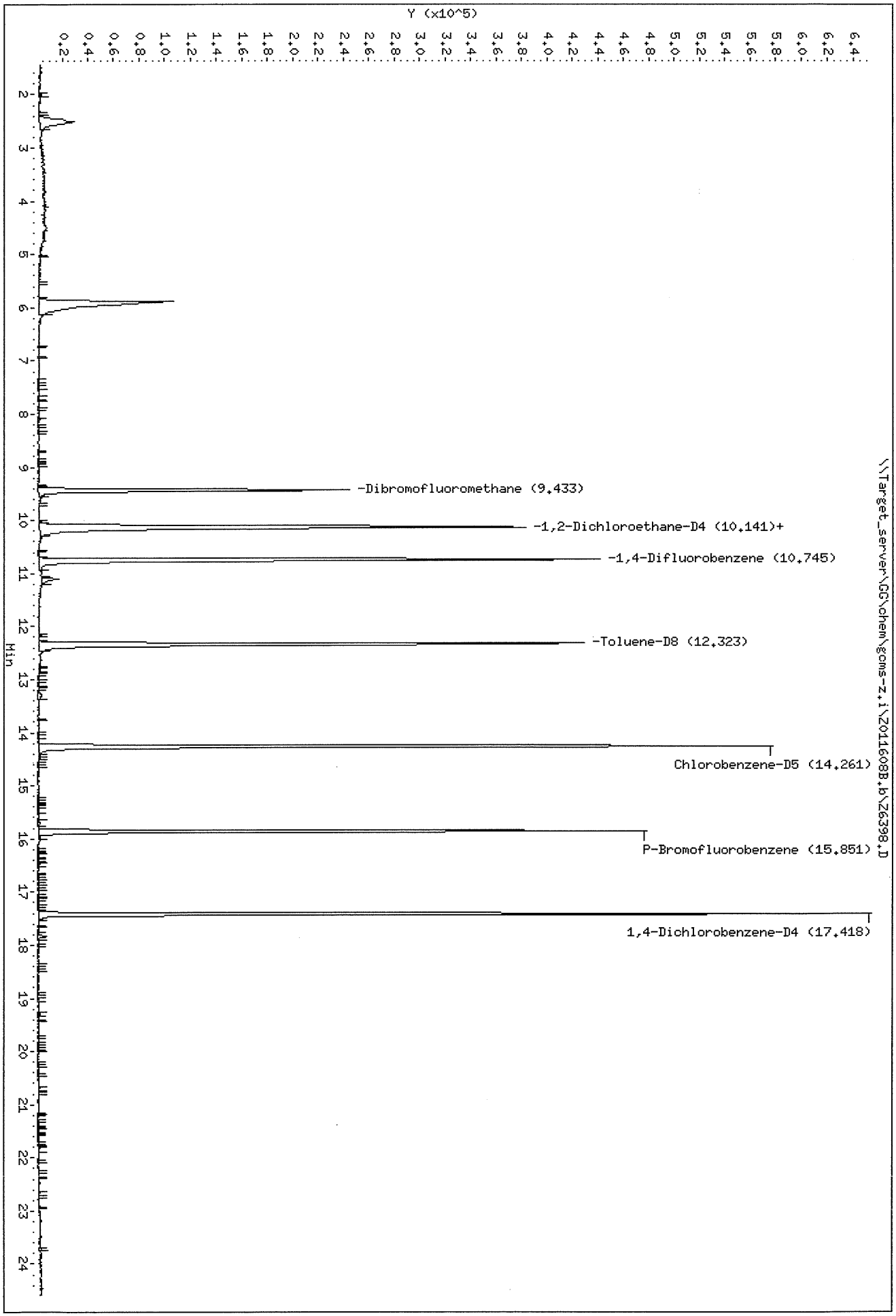
COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	474979	237490	949958	450614	-5.13
49 1,4-Difluorobenze	661176	330588	1322352	650127	-1.67
66 Chlorobenzene-D5	548483	274242	1096966	547292	-0.22
91 1,4-Dichlorobenze	296621	148311	593242	252363	-14.92

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	10.12	9.62	10.62	10.12	0.00
49 1,4-Difluorobenze	10.74	10.24	11.24	10.74	0.00
66 Chlorobenzene-D5	14.26	13.76	14.76	14.26	0.00
91 1,4-Dichlorobenze	17.42	16.92	17.92	17.42	0.00

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.

Data File: \\Target_server\GC\chem\gcms-z.i\Z011608B.b\Z6398.D
Date : 16-JAN-2008 14:17
Client ID: AWD-GW-TB1
Sample Info: SB0168-13

Instrument: gcms-z.i



KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 01/09/08
Received Date: 01/11/08
Extraction Date:
Analysis Date: 18-JAN-2008 15:50
Report Date: 01/30/2008
Matrix: WATER
% Solids: NA

Lab ID: SB0196-1
Client ID: AWD-GW-MW403-2008
SDG: CTO426-1
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG47570
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
1634-04-4	Methyl tert-butyl ether	U	1	1.0	1	1	0.6
71-43-2	Benzene		2	1.0	1	1	0.4
108-88-3	Toluene	J	0.8	1.0	1	1	0.3
100-41-4	Ethylbenzene		28	1.0	1	1	0.4
1330-20-7	Xylenes (total)		16	1.0	3	3	0.4
	m+p-Xylenes		10	1.0	2	2	1.0
95-47-6	o-Xylene		6	1.0	1	1	0.4
98-82-8	Isopropylbenzene		10	1.0	1	1	0.5
91-20-3	Naphthalene		53	1.0	1	1	0.4
1868-53-7	Dibromofluoromethane		84%				
17060-07-0	1,2-Dichloroethane-D4		84%				
2037-26-5	Toluene-D8		94%				
460-00-4	P-Bromofluorobenzene		88%				

Data File: \\Target_server\GG\chem\gcms-s.i\S011808B.b\S8743.D
Report Date: 30-Jan-2008 10:18

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gcms-s.i\S011808B.b\S8743.D
Lab Smp Id: SB0196-1 Client Smp ID: AWD-GW-MW403-2008
Inj Date : 18-JAN-2008 15:50 MS Autotune Date: 21-NOV-2007 15:16
Operator : SKT Inst ID: gcms-s.i
Smp Info : SB0196-1
Misc Info : SW846 8260B
Comment :
Method : \\Target_server\GG\chem\gcms-s.i\S011808B.b\s826a48.m
Meth Date : 18-Jan-2008 10:08 jsampson Quant Type: ISTD
Cal Date : 16-JAN-2008 19:34 Cal File: S8696.D
Als bottle: 20
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TETRAT426001.sub
Target Version: 4.12
Processing Host: TARGET05

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)
41 Benzene	78	8.926	8.904	(0.906)	37507	1.86182	1.9
57 Toluene	92	11.462	11.451	(1.163)	8931	0.77323	0.77(a)
68 Ethylbenzene	91	13.369	13.347	(1.005)	662371	27.9001	27.9
M 70 Xylenes (total)	106				133475	15.8374	15.8
71 m+p-Xylenes	106	13.555	13.533	(1.019)	86481	10.1842	10.2
72 o-Xylene	106	14.113	14.091	(1.061)	46994	5.65323	5.6
75 Isopropylbenzene	105	14.520	14.510	(0.883)	162734	9.50200	9.5
101 Naphthalene	128	19.765	19.743	(1.201)	734417	53.4516	53.4
$ 37 Dibromofluoromethane	113	8.287	8.265	(0.906)	302397	41.7527	41.8
$ 45 1,2-Dichloroethane-D4	65	9.159	9.137	(1.001)	321097	42.0410	42.0
$ 55 Toluene-D8	98	11.415	11.393	(1.158)	833924	46.7577	46.8
$ 76 P-Bromofluorobenzene	95	14.904	14.882	(1.512)	328586	44.0269	44.0
* 42 Pentafluorobenzene	168	9.147	9.125	(1.000)	641874	50.0000	
* 49 1,4-Difluorobenzene	114	9.857	9.846	(1.000)	906016	50.0000	
* 66 Chlorobenzene-D5	117	13.299	13.289	(1.000)	774799	50.0000	
* 91 1,4-Dichlorobenzene-D4	152	16.451	16.428	(1.000)	415310	50.0000	

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: \\Target_server\GG\chem\gcms-s.i\S011808B.b\S8743.D
Report Date: 30-Jan-2008 10:18

Katahdin Analytical Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcms-s.i
Lab File ID: S8743.D
Lab Smp Id: SB0196-1
Analysis Type: VOA
Quant Type: ISTD
Operator: SKT
Method File: \\Target_server\GG\chem\gcms-s.i\S011808B.b\s826a48.m
Misc Info: SW846 8260B

Calibration Date: 18-JAN-2008
Calibration Time: 09:51
Client Smp ID: AWD-GW-MW403-20
Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 4

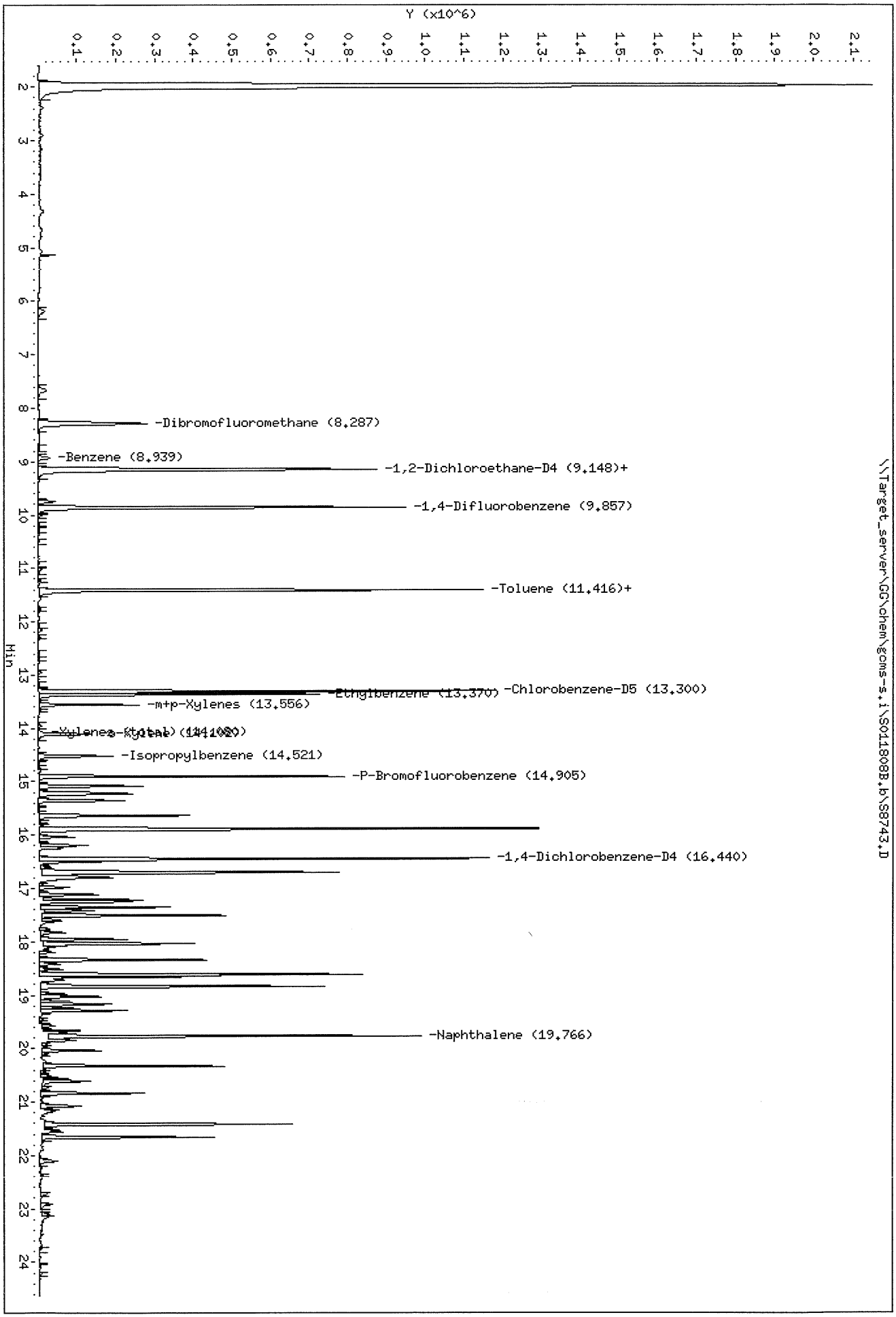
COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	575463	287732	1150926	641874	11.54
49 1,4-Difluorobenze	821948	410974	1643896	906016	10.23
66 Chlorobenzene-D5	718198	359099	1436396	774799	7.88
91 1,4-Dichlorobenze	389229	194615	778458	415310	6.70

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	9.15	8.65	9.65	9.15	-0.04
49 1,4-Difluorobenze	9.86	9.36	10.36	9.86	-0.04
66 Chlorobenzene-D5	13.30	12.80	13.80	13.30	-0.03
91 1,4-Dichlorobenze	16.44	15.94	16.94	16.45	0.05

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.

Data File: \\Target_server\GC\chem\gcms-s.i\S011808B.b\S8743.D
Date : 18-JAN-2008 15:50
Client ID: AWD-GW-MW403-2008
Sample Info: SB0196-1

Instrument: gcms-s.i



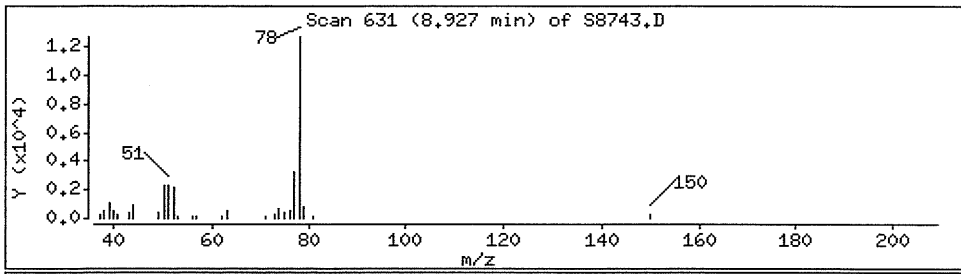
Data File: \\Target_server\GC\chem\gcms-s.i\S011808B.b\S8743.D

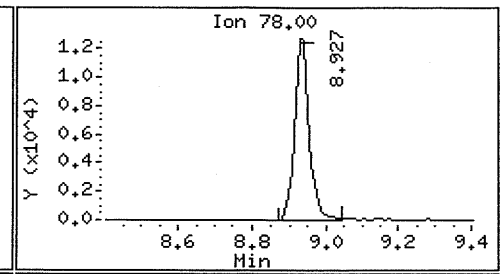
Date : 18-JAN-2008 15:50

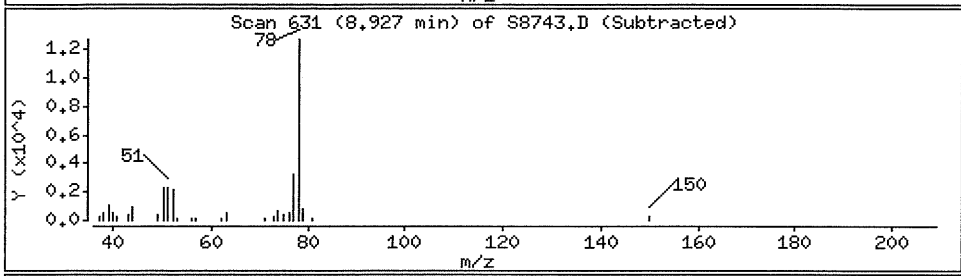
Client ID: AWD-GW-MW403-2008 Instrument: gcms-s.i

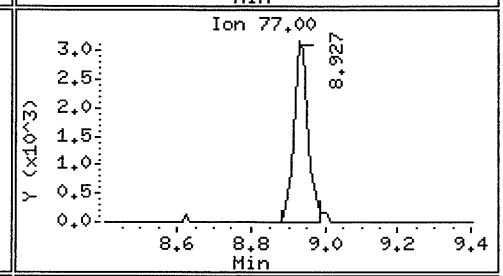
Sample Info: SB0196-1

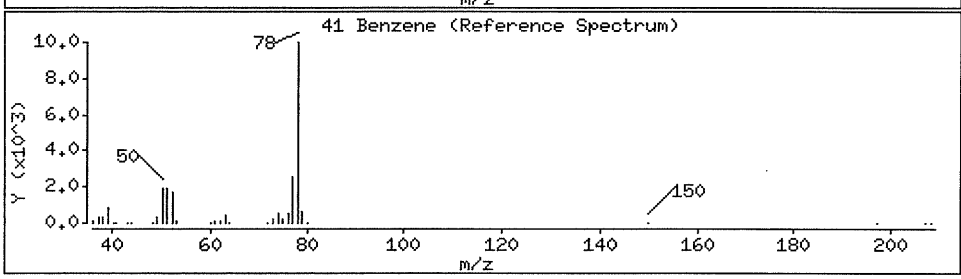
41 Benzene Concentration: 1.9 ug/l

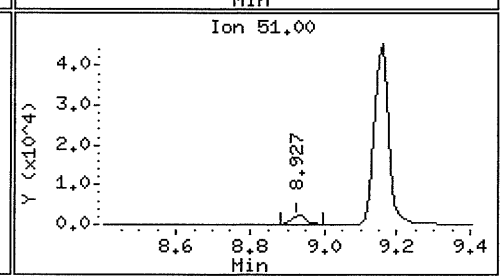




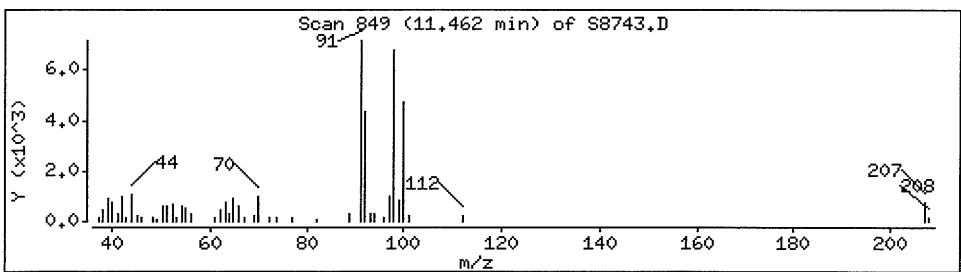


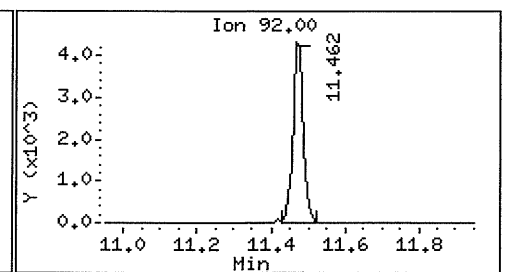


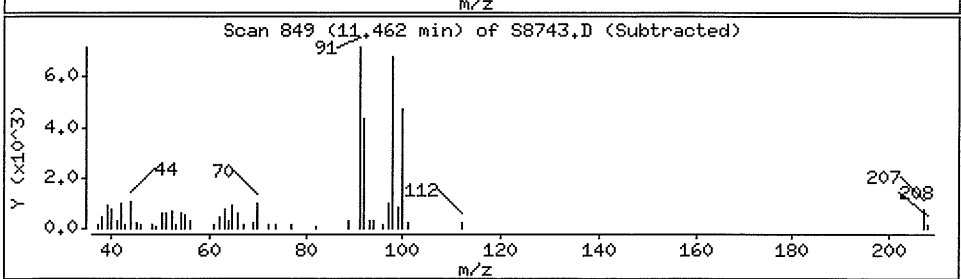


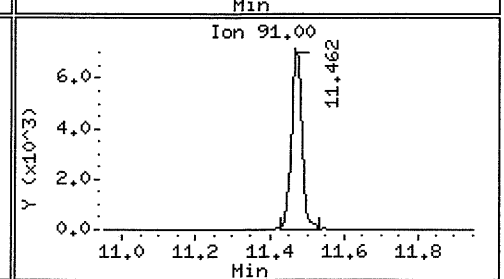


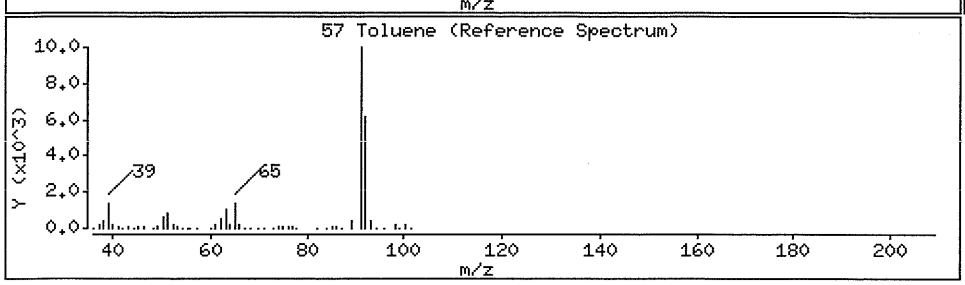
57 Toluene Concentration: 0.77 ug/l











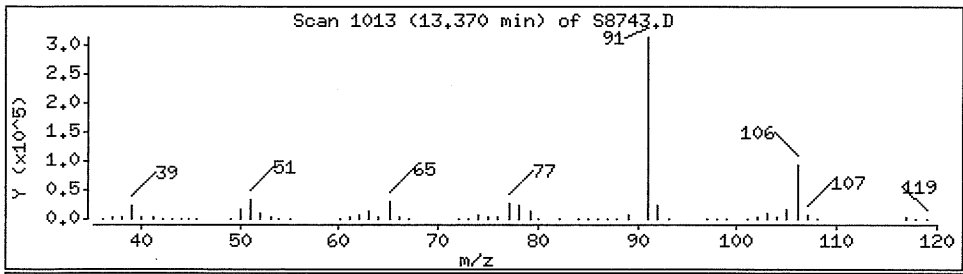
Data File: \\Target_server\GG\chem\gcms-s.i\S011808B.b\S8743.D

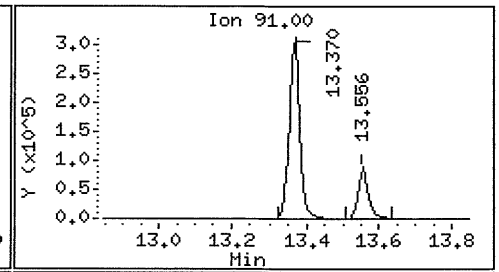
Date : 18-JAN-2008 15:50

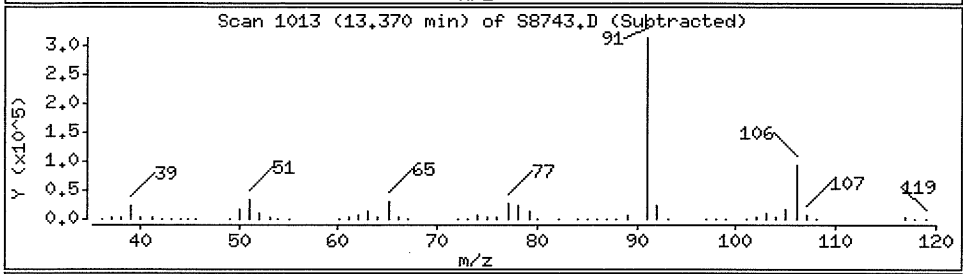
Client ID: AWD-GW-MW403-2008 Instrument: gcms-s.i

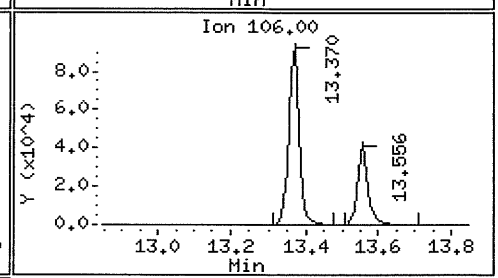
Sample Info: SB0196-1

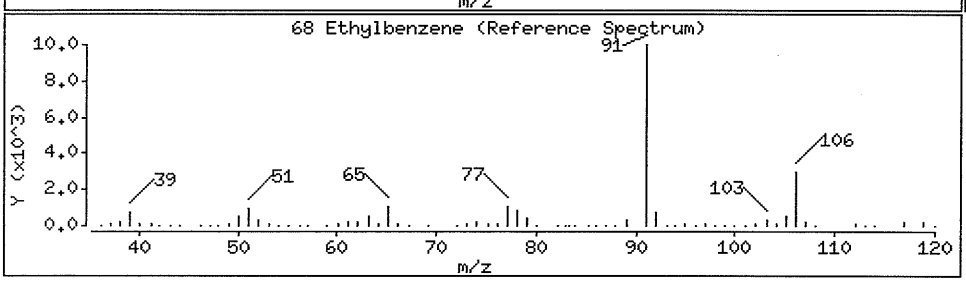
68 Ethylbenzene Concentration: 27.9 ug/l



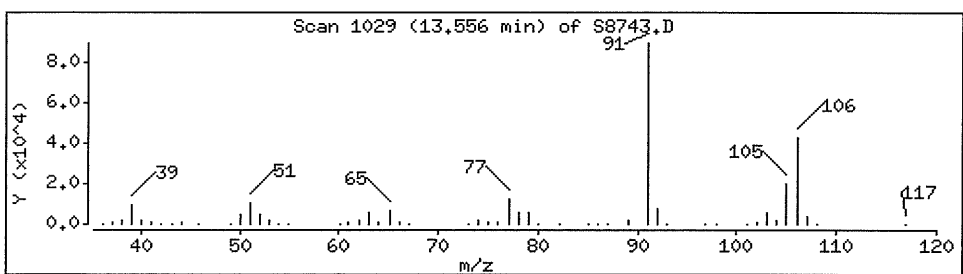


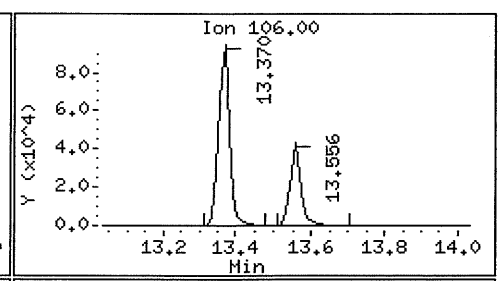


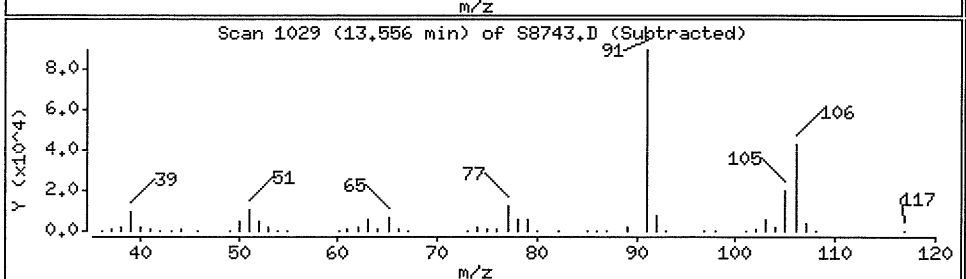


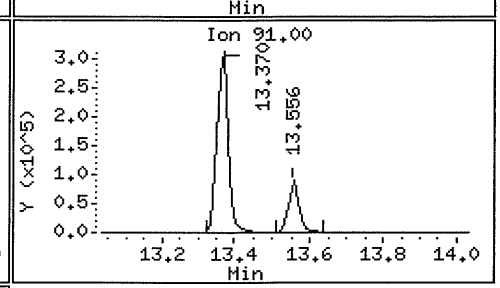


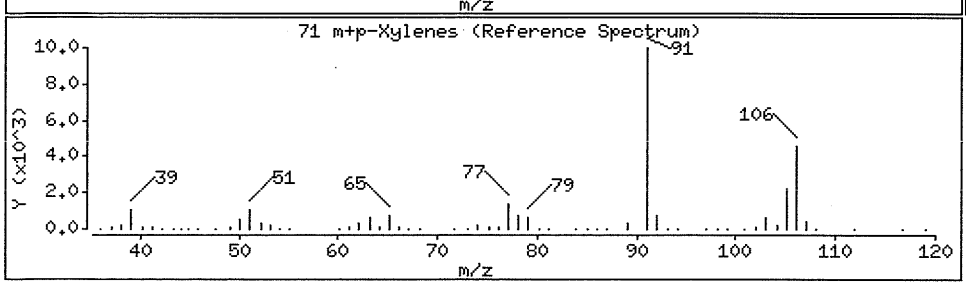
71 m+p-Xylenes Concentration: 10.2 ug/l











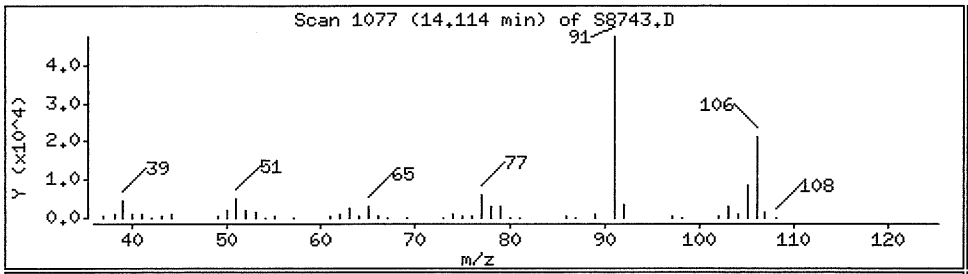
Data File: \\Target_server\GC\chem\gcms-s.i\S011808B.b\S8743.D

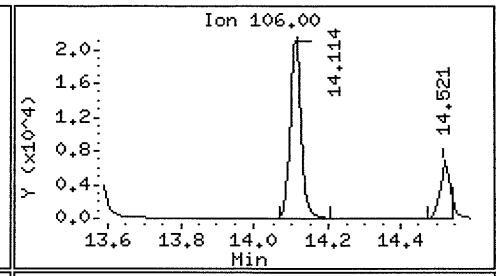
Date : 18-JAN-2008 15:50

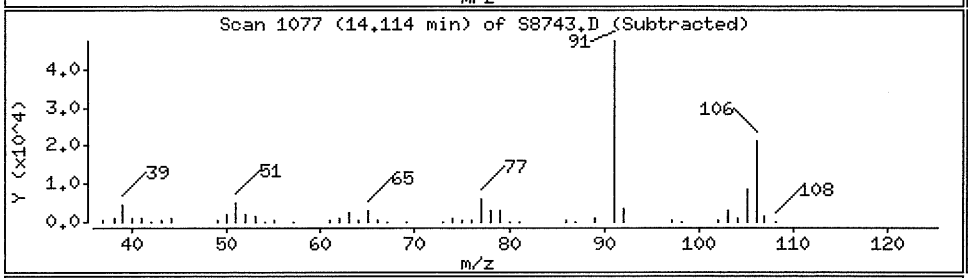
Client ID: AWD-GW-MW403-2008 Instrument: gcms-s.i

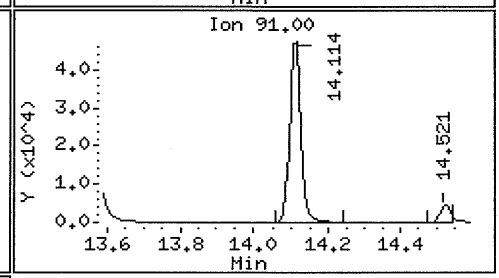
Sample Info: SB0196-1

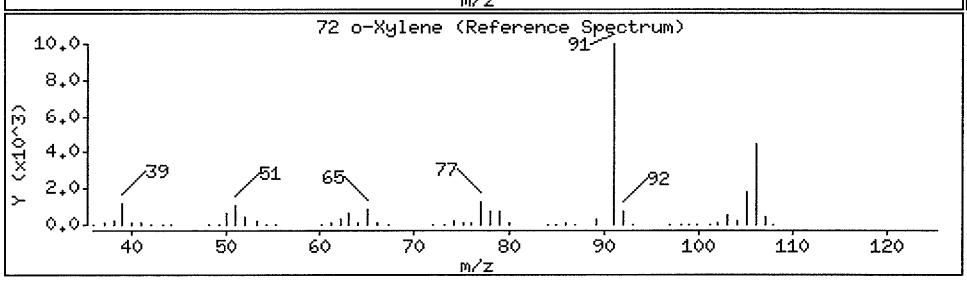
72 o-Xylene Concentration: 5.6 ug/l



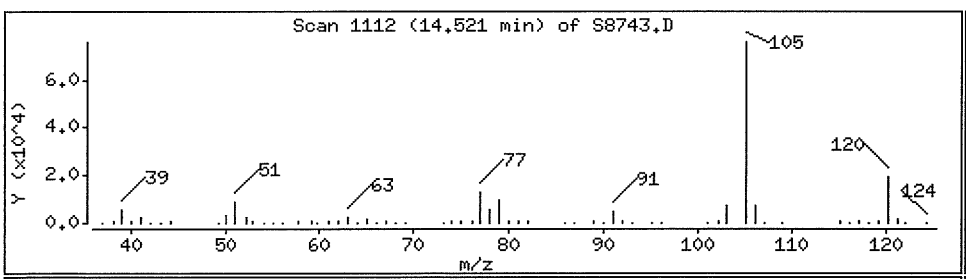


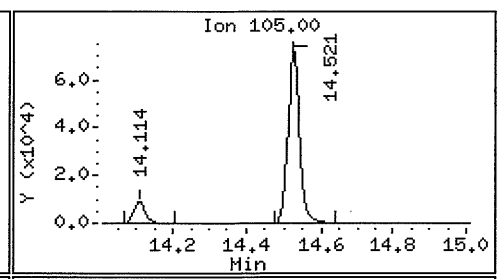


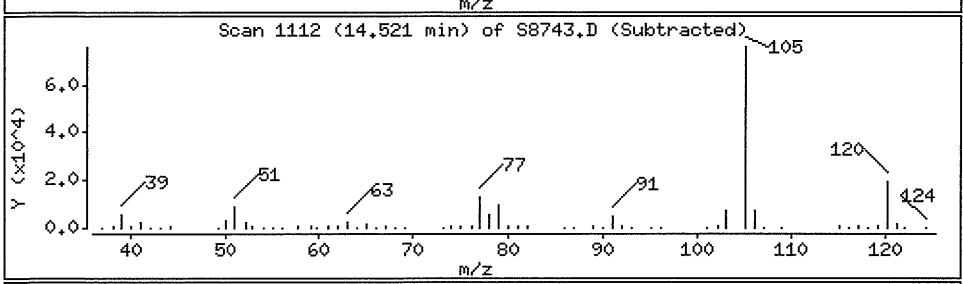


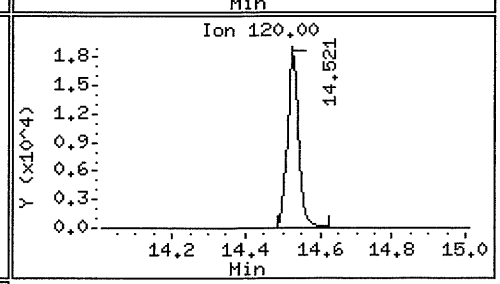


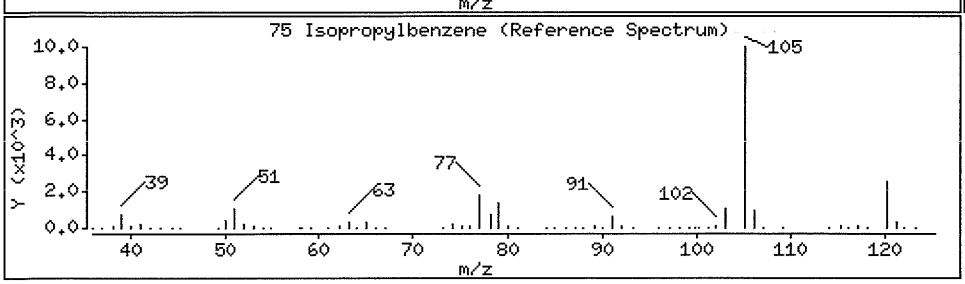
75 Isopropylbenzene Concentration: 9.5 ug/l











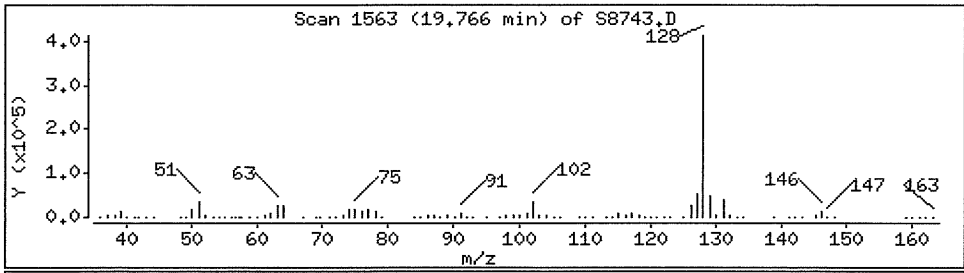
Data File: \\Target_server\GC\chem\gcms-s.i\S011808B.b\S8743.D

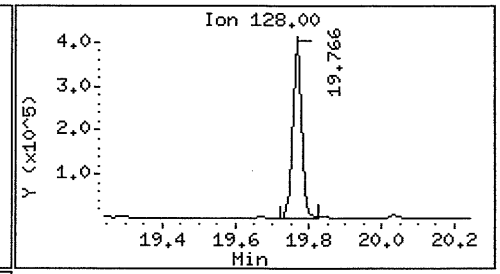
Date : 18-JAN-2008 15:50

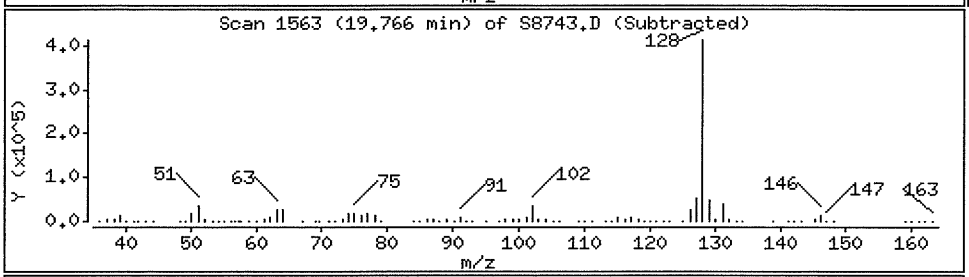
Client ID: AWD-GW-MW403-2008 Instrument: gcms-s.i

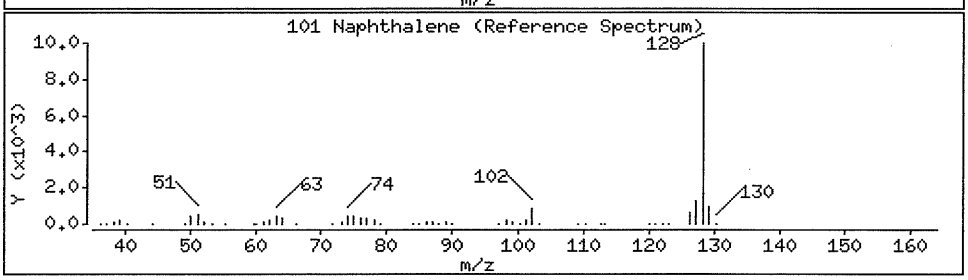
Sample Info: SB0196-1

101 Naphthalene Concentration: 53.4 ug/l









KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 01/09/08
Received Date: 01/11/08
Extraction Date:
Analysis Date: 18-JAN-2008 16:21
Report Date: 01/30/2008
Matrix: WATER
% Solids: NA

Lab ID: SB0196-2
Client ID: AWD-GW-MW404-2008
SDG: CTO426-1
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG47570
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
1634-04-4	Methyl tert-butyl ether	U	1	1.0	1	1	0.6
71-43-2	Benzene	U	1	1.0	1	1	0.4
108-88-3	Toluene	U	1	1.0	1	1	0.3
100-41-4	Ethylbenzene		2	1.0	1	1	0.4
1330-20-7	Xylenes (total)	U	3	1.0	3	3	0.4
	m+p-Xylenes	U	2	1.0	2	2	1.0
95-47-6	o-Xylene	U	1	1.0	1	1	0.4
98-82-8	Isopropylbenzene		2	1.0	1	1	0.5
91-20-3	Naphthalene		2	1.0	1	1	0.4
1868-53-7	Dibromofluoromethane		80%				
17060-07-0	1,2-Dichloroethane-D4		84%				
2037-26-5	Toluene-D8		92%				
460-00-4	P-Bromofluorobenzene		90%				

Data File: \\Target_server\GG\chem\gcms-s.i\S011808B.b\S8744.D
Report Date: 30-Jan-2008 10:18

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gcms-s.i\S011808B.b\S8744.D
Lab Smp Id: SB0196-2 Client Smp ID: AWD-GW-MW404-2008
Inj Date : 18-JAN-2008 16:21 MS Autotune Date: 21-NOV-2007 15:16
Operator : SKT Inst ID: gcms-s.i
Smp Info : SB0196-2
Misc Info : SW846 8260B
Comment :
Method : \\Target_server\GG\chem\gcms-s.i\S011808B.b\s826a48.m
Meth Date : 18-Jan-2008 10:08 jsampson Quant Type: ISTD
Cal Date : 16-JAN-2008 19:34 Cal File: S8696.D
Als bottle: 21
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TETRAT426001.sub
Target Version: 4.12
Processing Host: TARGET05

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)
68 Ethylbenzene	91	13.369	13.347	(1.005)	39191	1.58710	1.6
75 Isopropylbenzene	105	14.521	14.510	(0.883)	34628	2.01674	2.0
101 Naphthalene	128	19.766	19.743	(1.201)	27787	2.01718	2.0
$ 37 Dibromofluoromethane	113	8.287	8.265	(0.906)	291309	39.7741	39.8
$ 45 1,2-Dichloroethane-D4	65	9.159	9.137	(1.001)	323449	41.8777	41.9
$ 55 Toluene-D8	98	11.416	11.393	(1.158)	810564	45.8775	45.9
$ 76 P-Bromofluorobenzene	95	14.904	14.882	(1.512)	334064	45.1840	45.2
* 42 Pentafluorobenzene	168	9.148	9.125	(1.000)	649098	50.0000	
* 49 1,4-Difluorobenzene	114	9.857	9.846	(1.000)	897533	50.0000	
* 66 Chlorobenzene-D5	117	13.300	13.289	(1.000)	805890	50.0000	
* 91 1,4-Dichlorobenzene-D4	152	16.451	16.428	(1.000)	416378	50.0000	

Data File: \\Target_server\GG\chem\gcms-s.i\S011808B.b\S8744.D
Report Date: 30-Jan-2008 10:18

Katahdin Analytical Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcms-s.i
Lab File ID: S8744.D
Lab Smp Id: SB0196-2
Analysis Type: VOA
Quant Type: ISTD
Operator: SKT
Method File: \\Target_server\GG\chem\gcms-s.i\S011808B.b\s826a48.m
Misc Info: SW846 8260B

Calibration Date: 18-JAN-2008
Calibration Time: 09:51
Client Smp ID: AWD-GW-MW404-20
Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 4

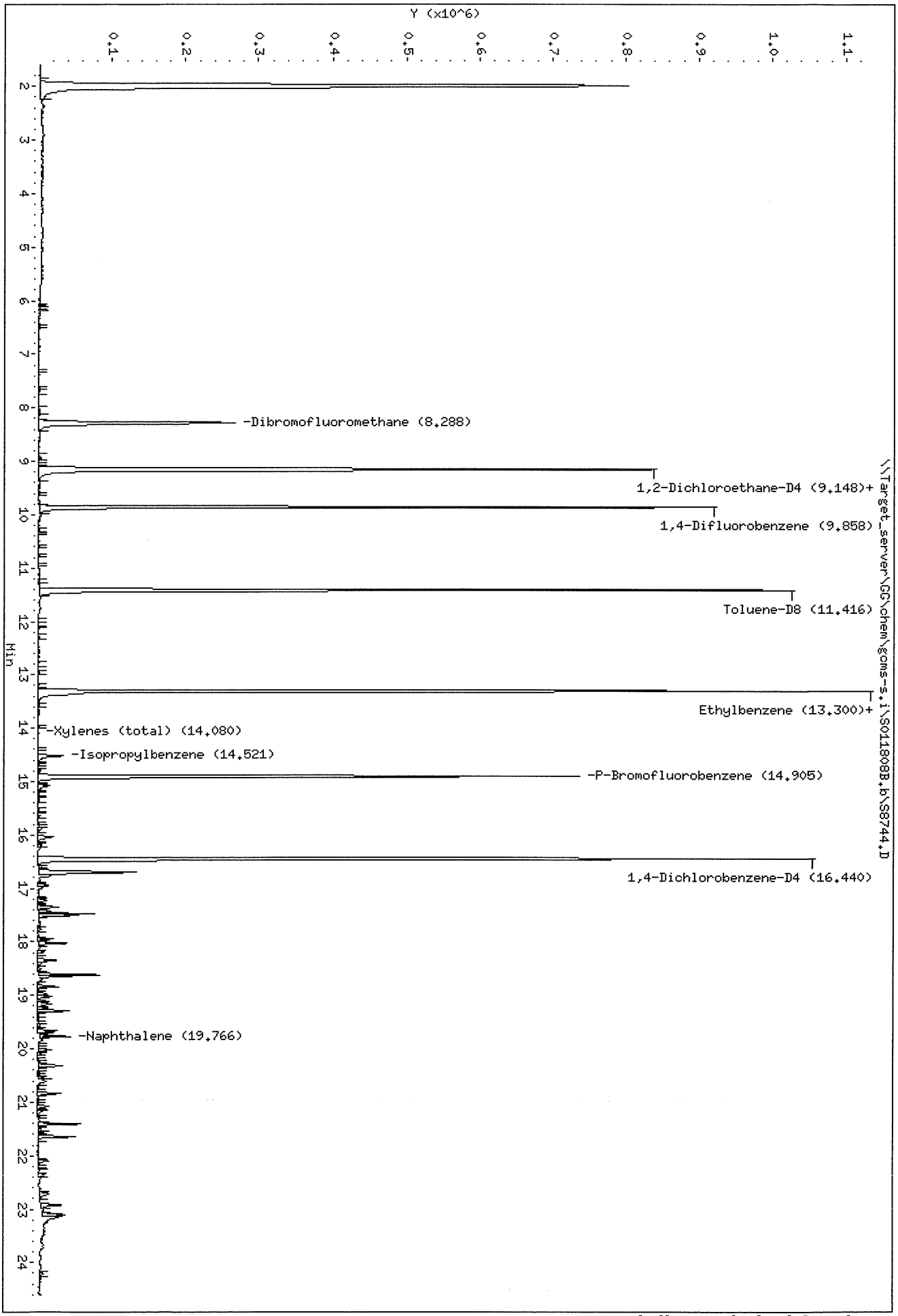
COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	575463	287732	1150926	649098	12.80
49 1,4-Difluorobenze	821948	410974	1643896	897533	9.20
66 Chlorobenzene-D5	718198	359099	1436396	805890	12.21
91 1,4-Dichlorobenze	389229	194615	778458	416378	6.98

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	9.15	8.65	9.65	9.15	-0.04
49 1,4-Difluorobenze	9.86	9.36	10.36	9.86	-0.04
66 Chlorobenzene-D5	13.30	12.80	13.80	13.30	-0.03
91 1,4-Dichlorobenze	16.44	15.94	16.94	16.45	0.05

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.

Data File: \\Target_server\GC\chem\gcms-s.i\S011808B.b\S8744.D
Date : 18-JAN-2008 16:21
Client ID: AWD-GW-MW404-2008
Sample Info: SB0196-2

Instrument: gcms-s.i



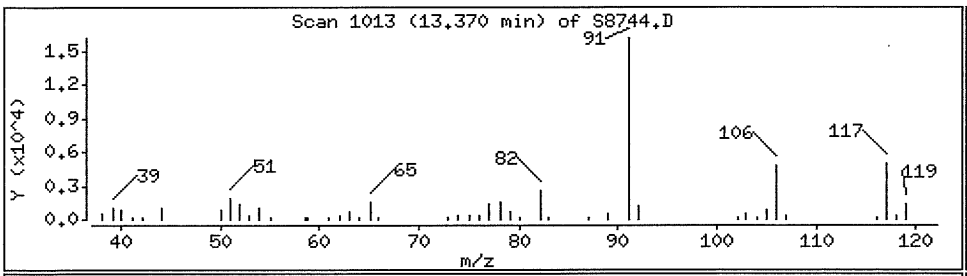
Data File: \\Target_server\GC\chem\gcms-s.i\S011808B.b\S8744.D

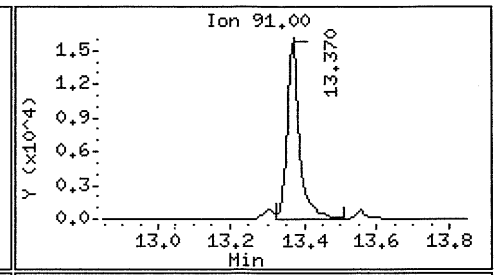
Date : 18-JAN-2008 16:21

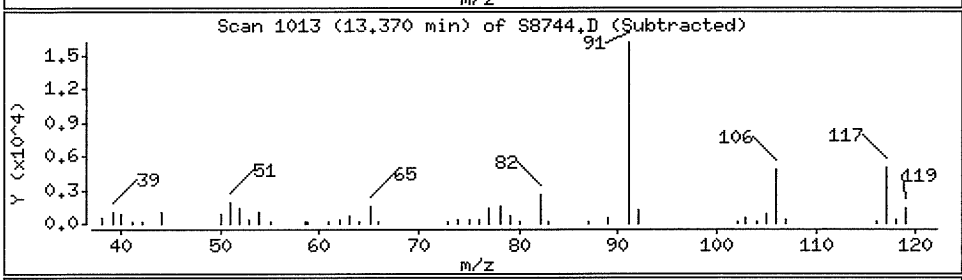
Client ID: AWD-GW-MW404-2008 Instrument: gcms-s.i

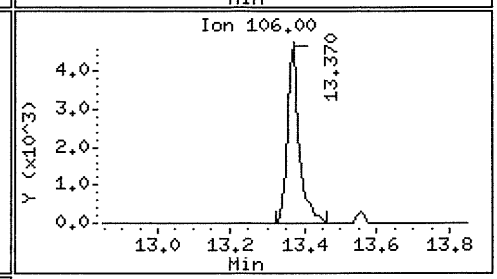
Sample Info: SB0196-2

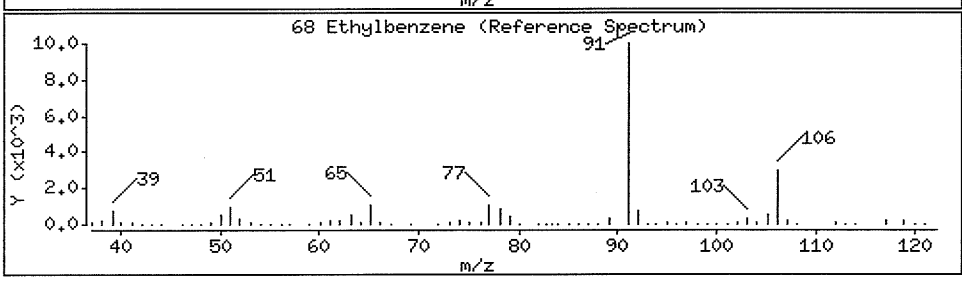
68 Ethylbenzene Concentration: 1.6 ug/l



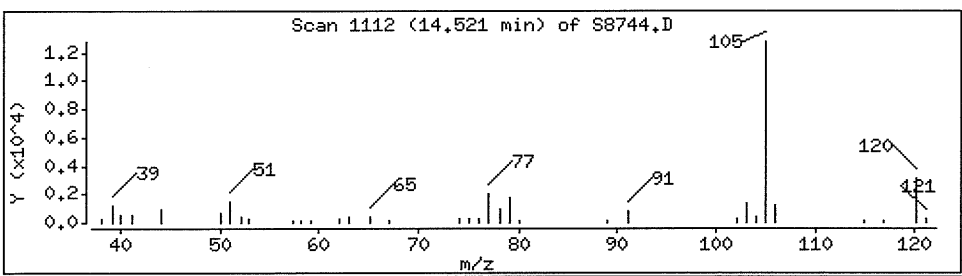


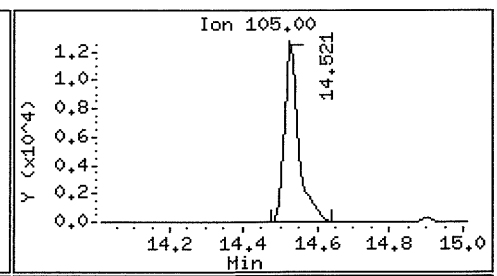


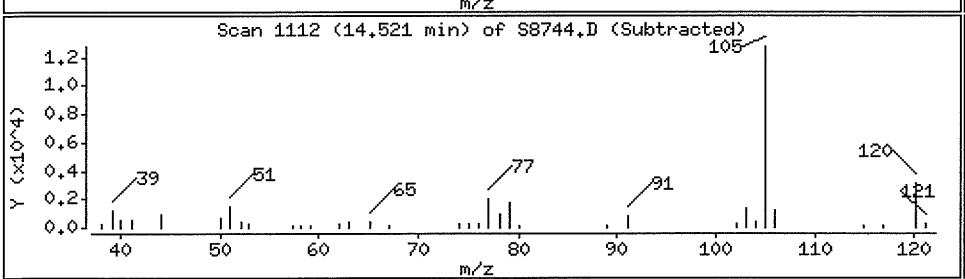


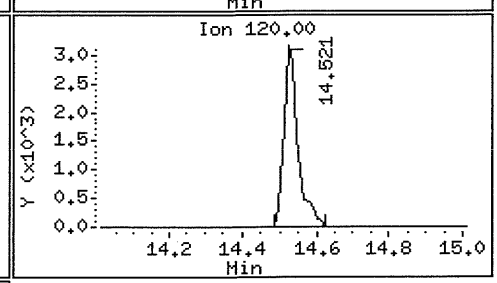


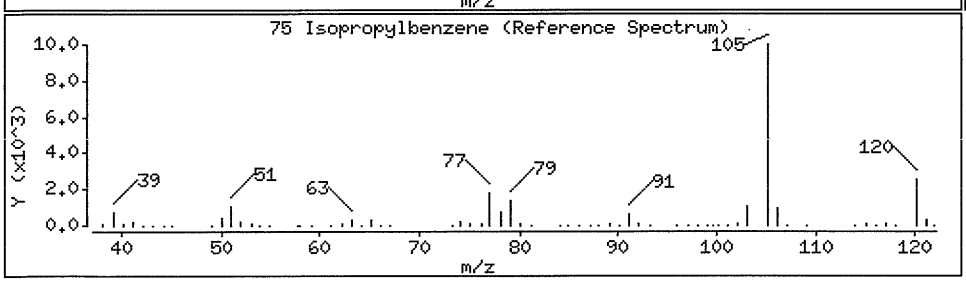
75 Isopropylbenzene Concentration: 2.0 ug/l











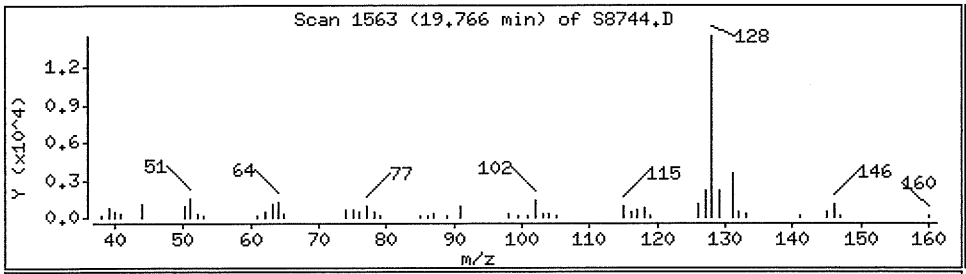
Data File: \\Target_server\GC\chem\gcms-s.i\S011808B.b\S8744.D

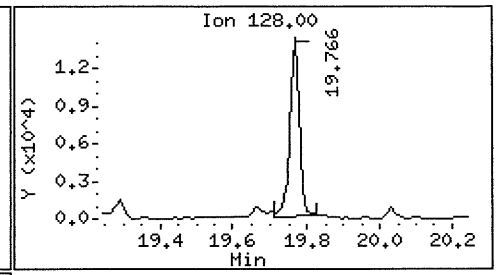
Date : 18-JAN-2008 16:21

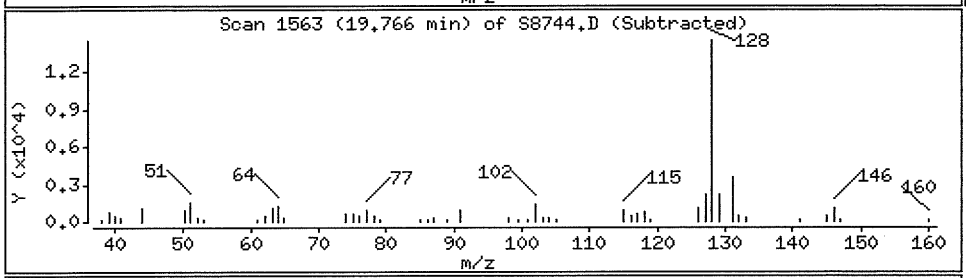
Client ID: AWD-GW-MW404-2008 Instrument: gcms-s.i

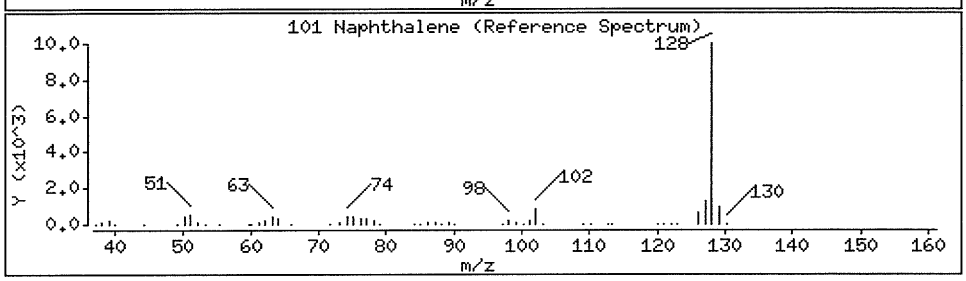
Sample Info: SB0196-2

101 Naphthalene Concentration: 2.0 ug/l









KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 01/10/08
Received Date: 01/11/08
Extraction Date:
Analysis Date: 17-JAN-2008 17:52
Report Date: 01/30/2008
Matrix: WATER
% Solids: NA

Lab ID: SB0196-3
Client ID: AWD-GW-MW301-2008
SDG: CTO426-1
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG47521
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
1634-04-4	Methyl tert-butyl ether	U	1	1.0	1	1	0.6
71-43-2	Benzene	U	1	1.0	1	1	0.4
108-88-3	Toluene	U	1	1.0	1	1	0.3
100-41-4	Ethylbenzene	U	1	1.0	1	1	0.4
1330-20-7	Xylenes (total)	U	3	1.0	3	3	0.4
	m+p-Xylenes	U	2	1.0	2	2	1.0
95-47-6	o-Xylene	U	1	1.0	1	1	0.4
98-82-8	Isopropylbenzene	U	1	1.0	1	1	0.5
91-20-3	Naphthalene	U	1	1.0	1	1	0.4
1868-53-7	Dibromofluoromethane		88%				
17060-07-0	1,2-Dichloroethane-D4		100%				
2037-26-5	Toluene-D8		92%				
460-00-4	P-Bromofluorobenzene		89%				

Data File: \\Target_server\GG\chem\gcms-s.i\S011708.b\S8715.D
Report Date: 30-Jan-2008 09:50

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gcms-s.i\S011708.b\S8715.D
Lab Smp Id: SB0196-3 Client Smp ID: AWD-GW-MW301-2008
Inj Date : 17-JAN-2008 17:52 MS Autotune Date: 21-NOV-2007 15:16
Operator : SKT Inst ID: gcms-s.i
Smp Info : SB0196-3
Misc Info : SW846 8260B
Comment :
Method : \\Target_server\GG\chem\gcms-s.i\S011708.b\s826a48.m
Meth Date : 17-Jan-2008 08:54 sthompson Quant Type: ISTD
Cal Date : 16-JAN-2008 19:34 Cal File: S8696.D
Als bottle: 27
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TETRAT426001.sub
Target Version: 4.12
Processing Host: TARGET05

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)
$ 37 Dibromofluoromethane	113	8.255	8.265	(0.904)	259183	43.7702	43.8
$ 45 1,2-Dichloroethane-D4	65	9.127	9.137	(1.000)	311668	49.9108	49.9
$ 55 Toluene-D8	98	11.395	11.393	(1.158)	689411	46.2756	46.3
$ 76 P-Bromofluorobenzene	95	14.884	14.882	(1.513)	277459	44.5056	44.5
* 42 Pentafluorobenzene	168	9.127	9.125	(1.000)	524789	50.0000	
* 49 1,4-Difluorobenzene	114	9.837	9.846	(1.000)	756814	50.0000	
* 66 Chlorobenzene-D5	117	13.279	13.289	(1.000)	639035	50.0000	
* 91 1,4-Dichlorobenzene-D4	152	16.431	16.428	(1.000)	317849	50.0000	

Data File: \\Target_server\GG\chem\gcms-s.i\S011708.b\S8715.D
Report Date: 30-Jan-2008 09:50

Katahdin Analytical Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcms-s.i
Lab File ID: S8715.D
Lab Smp Id: SB0196-3
Analysis Type: VOA
Quant Type: ISTD
Operator: SKT
Method File: \\Target_server\GG\chem\gcms-s.i\S011708.b\s826a48.m
Misc Info: SW846 8260B

Calibration Date: 17-JAN-2008
Calibration Time: 08:35
Client Smp ID: AWD-GW-MW301-20
Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 4

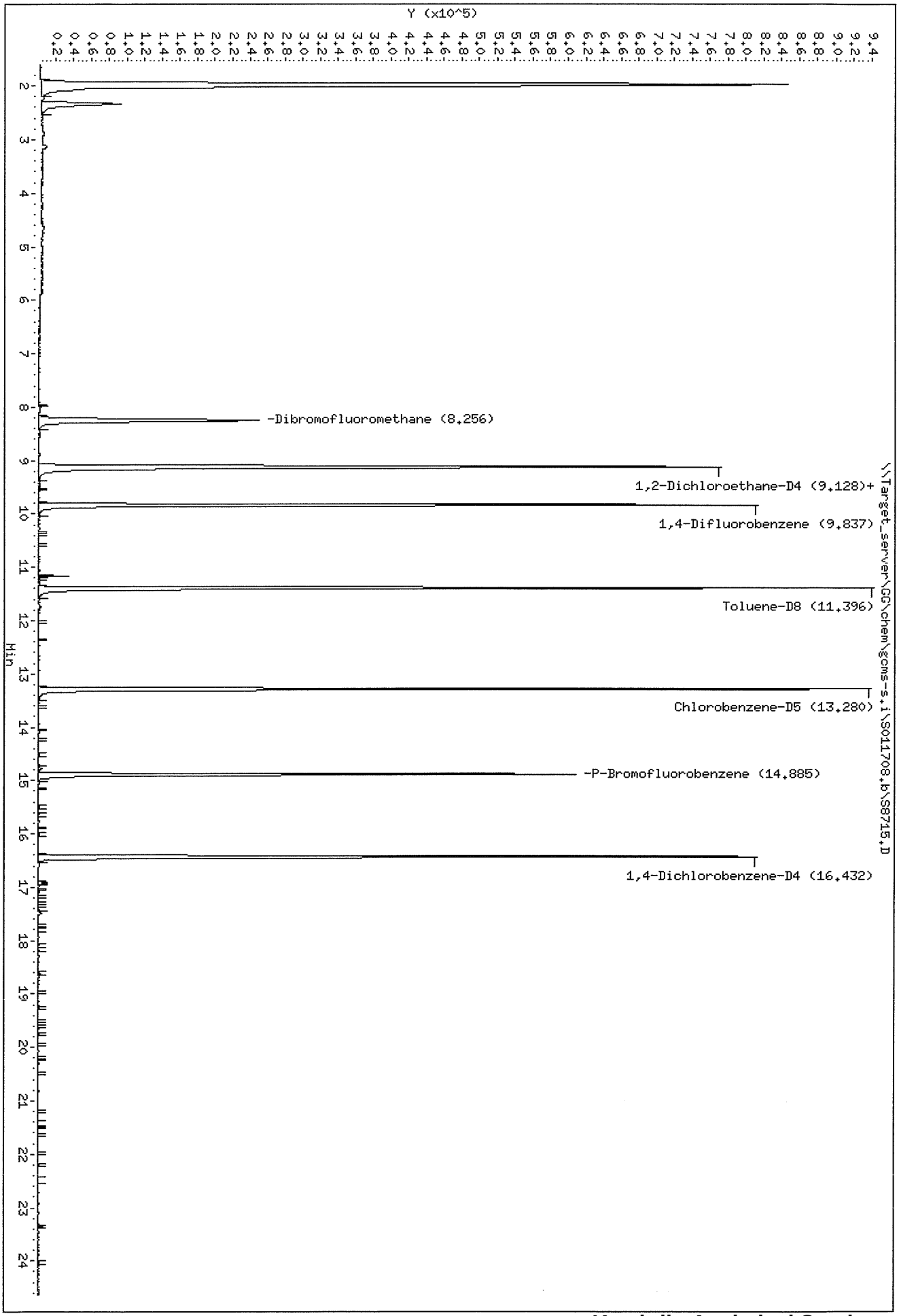
COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	628556	314278	1257112	524789	-16.51
49 1,4-Difluorobenze	887687	443844	1775374	756814	-14.74
66 Chlorobenzene-D5	767984	383992	1535968	639035	-16.79
91 1,4-Dichlorobenze	413885	206943	827770	317849	-23.20

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	9.12	8.62	9.62	9.13	0.09
49 1,4-Difluorobenze	9.83	9.33	10.33	9.84	0.09
66 Chlorobenzene-D5	13.27	12.77	13.77	13.28	0.06
91 1,4-Dichlorobenze	16.42	15.92	16.92	16.43	0.05

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.

Data File: \\Target_server\GC\chem\gcms-s.i\S011708.b\S8715.D
Date : 17-JAN-2008 17:52
Client ID: AWD-GW-MW301-2008
Sample Info: SB0196-3

Instrument: gcms-s.i



KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 01/10/08
Received Date: 01/11/08
Extraction Date:
Analysis Date: 18-JAN-2008 16:52
Report Date: 01/30/2008
Matrix: WATER
% Solids: NA

Lab ID: SB0196-4
Client ID: AWD-GW-MW305-2008
SDG: CTO426-1
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG47570
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
1634-04-4	Methyl tert-butyl ether	U	1	1.0	1	1	0.6
71-43-2	Benzene	U	1	1.0	1	1	0.4
108-88-3	Toluene	U	1	1.0	1	1	0.3
100-41-4	Ethylbenzene	U	1	1.0	1	1	0.4
1330-20-7	Xylenes (total)	U	3	1.0	3	3	0.4
	m+p-Xylenes	U	2	1.0	2	2	1.0
95-47-6	o-Xylene	U	1	1.0	1	1	0.4
98-82-8	Isopropylbenzene	U	1	1.0	1	1	0.5
91-20-3	Naphthalene	U	1	1.0	1	1	0.4
1868-53-7	Dibromofluoromethane		83%				
17060-07-0	1,2-Dichloroethane-D4		84%				
2037-26-5	Toluene-D8		90%				
460-00-4	P-Bromofluorobenzene		86%				

Data File: \\Target_server\GG\chem\gcms-s.i\S011808B.b\S8745.D
Report Date: 30-Jan-2008 10:18

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gcms-s.i\S011808B.b\S8745.D
Lab Smp Id: SB0196-4 Client Smp ID: AWD-GW-MW305-2008
Inj Date : 18-JAN-2008 16:52 MS Autotune Date: 21-NOV-2007 15:16
Operator : SKT Inst ID: gcms-s.i
Smp Info : SB0196-4
Misc Info : SW846 8260B
Comment :
Method : \\Target_server\GG\chem\gcms-s.i\S011808B.b\s826a48.m
Meth Date : 18-Jan-2008 10:08 jsampson Quant Type: ISTD
Cal Date : 16-JAN-2008 19:34 Cal File: S8696.D
Als bottle: 22
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TETRAT426001.sub
Target Version: 4.12
Processing Host: TARGET05

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)
$ 37 Dibromofluoromethane	113	8.279	8.265	(0.905)	297928	41.3530	41.4
$ 45 1,2-Dichloroethane-D4	65	9.151	9.137	(1.000)	321344	42.2957	42.3
$ 55 Toluene-D8	98	11.407	11.393	(1.157)	835366	44.9712	45.0
$ 76 P-Bromofluorobenzene	95	14.896	14.882	(1.511)	333054	42.8465	42.8
* 42 Pentafluorobenzene	168	9.151	9.125	(1.000)	638500	50.0000	
* 49 1,4-Difluorobenzene	114	9.861	9.846	(1.000)	943636	50.0000	
* 66 Chlorobenzene-D5	117	13.303	13.289	(1.000)	806836	50.0000	
* 91 1,4-Dichlorobenzene-D4	152	16.443	16.428	(1.000)	399332	50.0000	

Data File: \\Target_server\GG\chem\gcms-s.i\S011808B.b\S8745.D
Report Date: 30-Jan-2008 10:18

Katahdin Analytical Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcms-s.i
Lab File ID: S8745.D
Lab Smp Id: SB0196-4
Analysis Type: VOA
Quant Type: ISTD
Operator: SKT
Method File: \\Target_server\GG\chem\gcms-s.i\S011808B.b\s826a48.m
Misc Info: SW846 8260B

Calibration Date: 18-JAN-2008
Calibration Time: 09:51
Client Smp ID: AWD-GW-MW305-20
Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 4

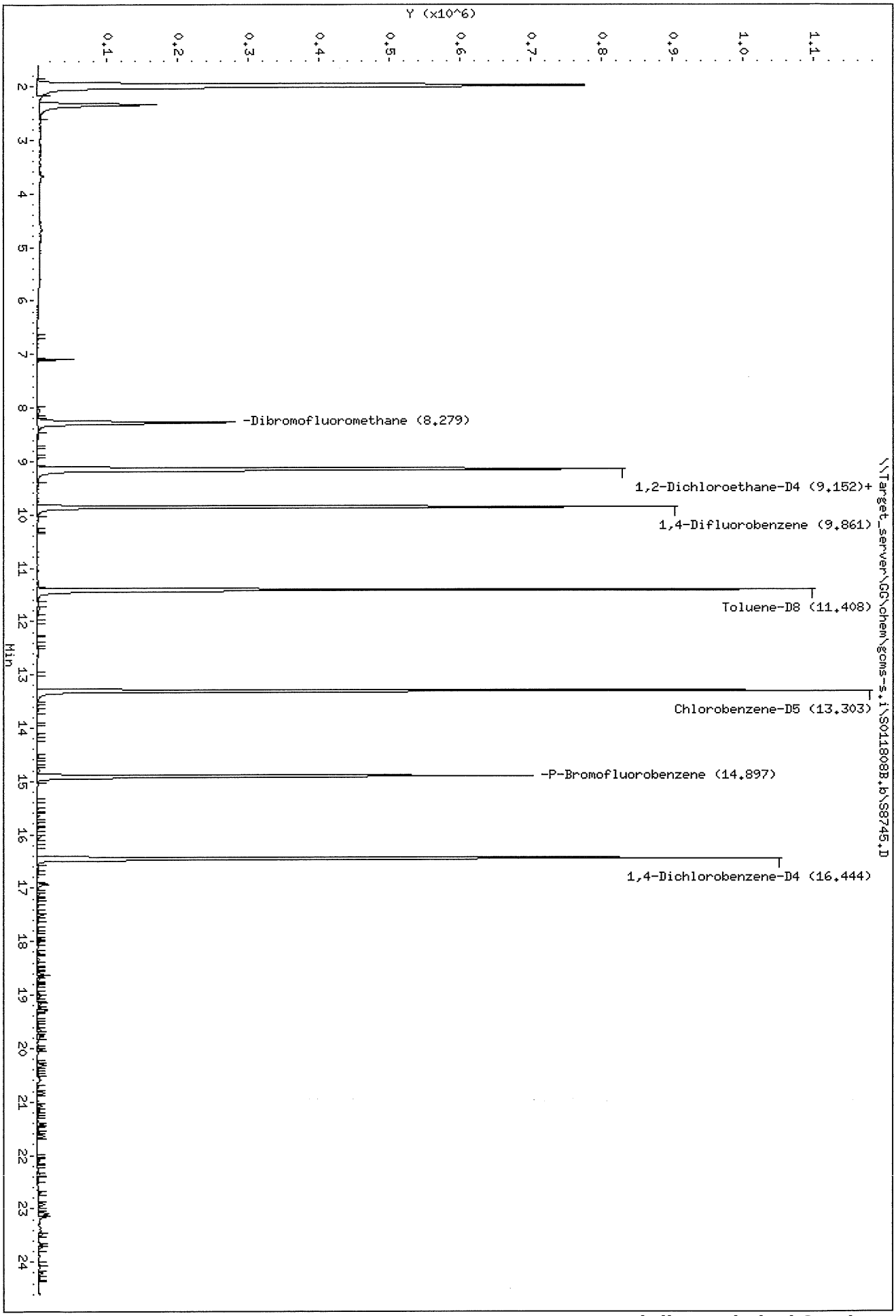
COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	575463	287732	1150926	638500	10.95
49 1,4-Difluorobenze	821948	410974	1643896	943636	14.80
66 Chlorobenzene-D5	718198	359099	1436396	806836	12.34
91 1,4-Dichlorobenze	389229	194615	778458	399332	2.60

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	9.15	8.65	9.65	9.15	-0.00
49 1,4-Difluorobenze	9.86	9.36	10.36	9.86	-0.00
66 Chlorobenzene-D5	13.30	12.80	13.80	13.30	-0.00
91 1,4-Dichlorobenze	16.44	15.94	16.94	16.44	-0.00

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.

Data File: \\Target_server\GC\chem\gcms-s.i\S011808B.b\S8745.D
Date : 18-JAN-2008 16:52
Client ID: AWD-GW-MW305-2008
Sample Info: SB0196-4

Instrument: gcms-s.i



KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 01/10/08
Received Date: 01/11/08
Extraction Date:
Analysis Date: 17-JAN-2008 18:23
Report Date: 01/30/2008
Matrix: WATER
% Solids: NA

Lab ID: SB0196-5
Client ID: AWD-GW-MW14-2008
SDG: CTO426-1
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG47521
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
1634-04-4	Methyl tert-butyl ether	U	1	1.0	1	1	0.6
71-43-2	Benzene	U	1	1.0	1	1	0.4
108-88-3	Toluene	U	1	1.0	1	1	0.3
100-41-4	Ethylbenzene	U	1	1.0	1	1	0.4
1330-20-7	Xylenes (total)	J	0.4	1.0	3	3	0.4
	m+p-Xylenes	U	2	1.0	2	2	1.0
95-47-6	o-Xylene	J	0.4	1.0	1	1	0.4
98-82-8	Isopropylbenzene		3	1.0	1	1	0.5
91-20-3	Naphthalene	J	0.7	1.0	1	1	0.4
1868-53-7	Dibromofluoromethane		85%				
17060-07-0	1,2-Dichloroethane-D4		101%				
2037-26-5	Toluene-D8		91%				
460-00-4	P-Bromofluorobenzene		92%				

Data File: \\Target_server\GG\chem\gcms-s.i\S011708.b\S8716.D
Report Date: 30-Jan-2008 09:50

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gcms-s.i\S011708.b\S8716.D
Lab Smp Id: SB0196-5 Client Smp ID: AWD-GW-MW14-2008
Inj Date : 17-JAN-2008 18:23 MS Autotune Date: 21-NOV-2007 15:16
Operator : SKT Inst ID: gcms-s.i
Smp Info : SB0196-5
Misc Info : SW846 8260B
Comment :
Method : \\Target_server\GG\chem\gcms-s.i\S011708.b\s826a48.m
Meth Date : 17-Jan-2008 08:54 sthompson Quant Type: ISTD
Cal Date : 16-JAN-2008 19:34 Cal File: S8696.D
Als bottle: 28
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TETRAT426001.sub
Target Version: 4.12
Processing Host: TARGET05

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)
M 70 Xylenes (total)	106				2738	0.38103	0.38(a)
72 o-Xylene	106	14.090	14.091	(1.060)	2738	0.38103	0.38(a)
75 Isopropylbenzene	105	14.509	14.510	(0.883)	43242	3.29106	3.3
101 Naphthalene	128	19.742	19.743	(1.202)	7238	0.68664	0.69(a)
$ 37 Dibromofluoromethane	113	8.252	8.265	(0.904)	256828	42.3964	42.4
$ 45 1,2-Dichloroethane-D4	65	9.124	9.137	(1.000)	322121	50.4238	50.4
$ 55 Toluene-D8	98	11.392	11.393	(1.158)	703485	45.4131	45.4
$ 76 P-Bromofluorobenzene	95	14.881	14.882	(1.513)	299447	46.1944	46.2
* 42 Pentafluorobenzene	168	9.124	9.125	(1.000)	536872	50.0000	
* 49 1,4-Difluorobenzene	114	9.834	9.846	(1.000)	786930	50.0000	
* 66 Chlorobenzene-D5	117	13.288	13.289	(1.000)	669763	50.0000	
* 91 1,4-Dichlorobenzene-D4	152	16.428	16.428	(1.000)	318625	50.0000	

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: \\Target_server\GG\chem\gcms-s.i\S011708.b\S8716.D
Report Date: 30-Jan-2008 09:50

Katahdin Analytical Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcms-s.i
Lab File ID: S8716.D
Lab Smp Id: SB0196-5
Analysis Type: VOA
Quant Type: ISTD
Operator: SKT
Method File: \\Target_server\GG\chem\gcms-s.i\S011708.b\s826a48.m
Misc Info: SW846 8260B

Calibration Date: 17-JAN-2008
Calibration Time: 08:35
Client Smp ID: AWD-GW-MW14-200
Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 4

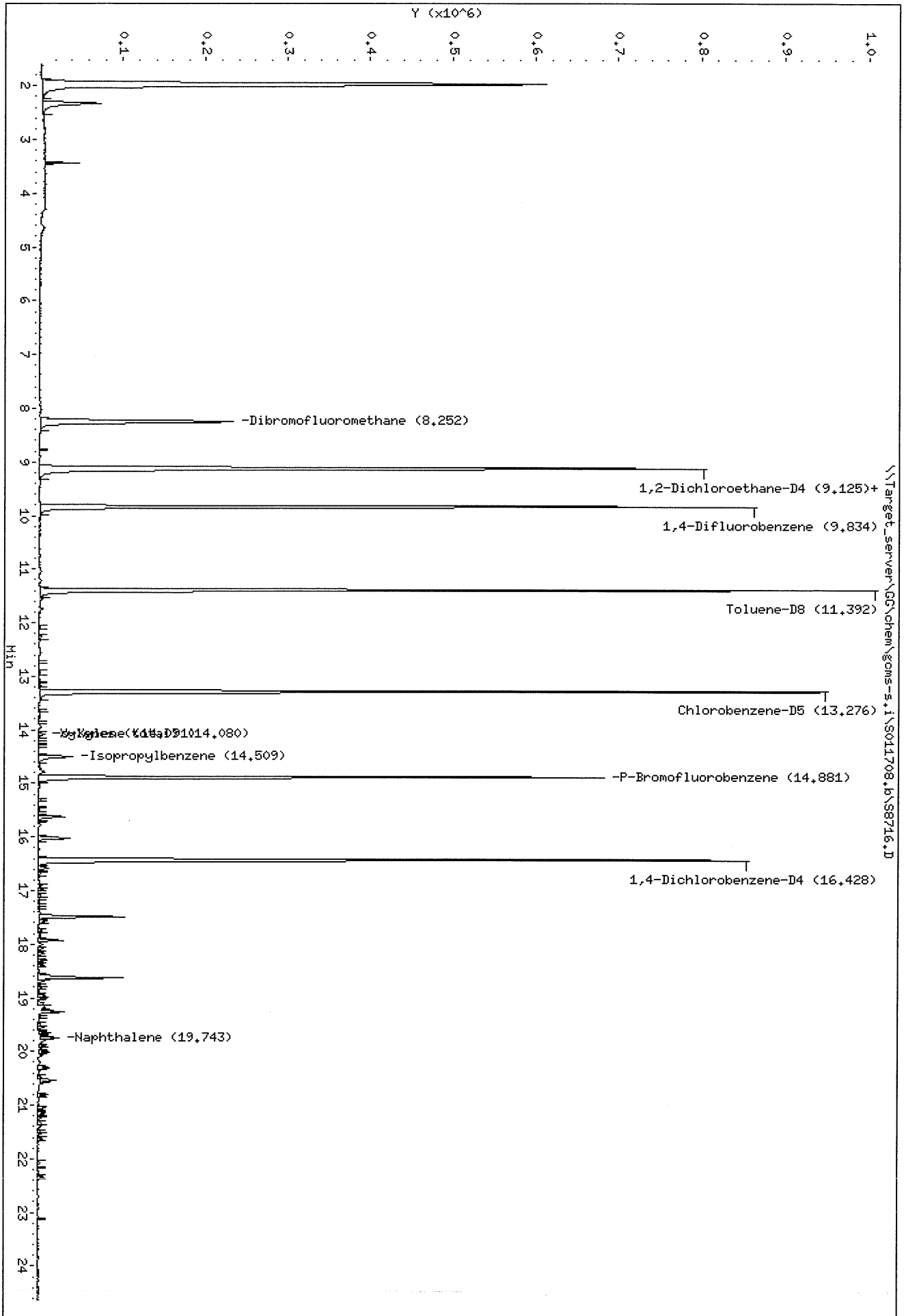
COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	628556	314278	1257112	536872	-14.59
49 1,4-Difluorobenze	887687	443844	1775374	786930	-11.35
66 Chlorobenzene-D5	767984	383992	1535968	669763	-12.79
91 1,4-Dichlorobenze	413885	206943	827770	318625	-23.02

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	9.12	8.62	9.62	9.12	0.06
49 1,4-Difluorobenze	9.83	9.33	10.33	9.83	0.05
66 Chlorobenzene-D5	13.27	12.77	13.77	13.29	0.13
91 1,4-Dichlorobenze	16.42	15.92	16.92	16.43	0.03

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.

Data File: \\Target_server\GC\chem\gcms-s.i\S011708.b\S8716.D
Date : 17-JAN-2008 18:23
Client ID: AWD-GW-MW14-2008
Sample Info: SB0196-5

Instrument: gcms-s.i



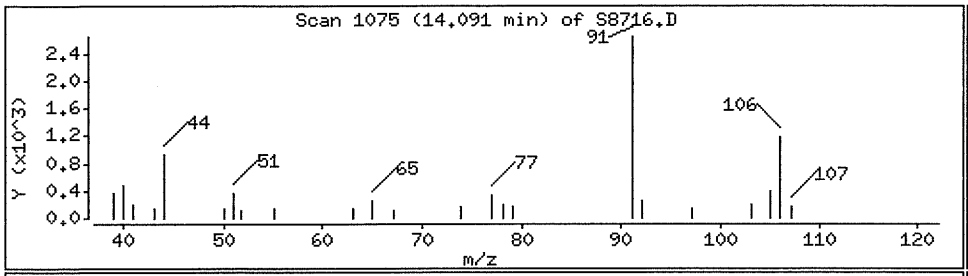
Data File: \\Target_server\GC\chem\gcms-s.i\S011708.b\S8716.D

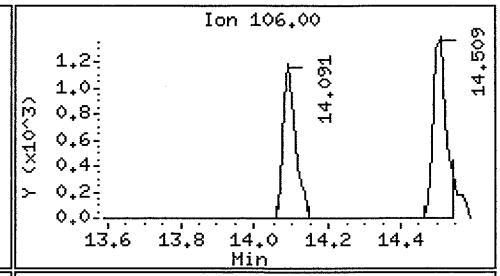
Date : 17-JAN-2008 18:23

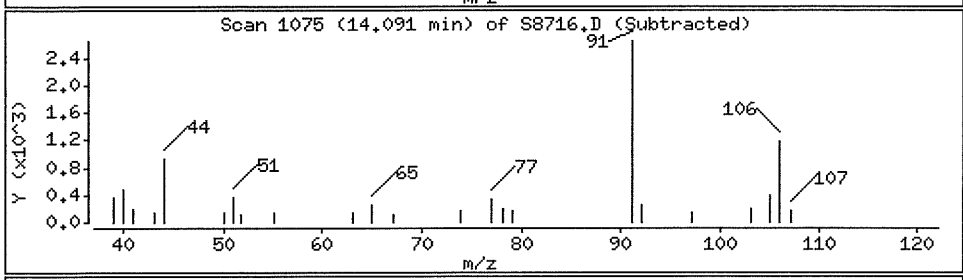
Client ID: AWD-GW-MW14-2008 Instrument: gcms-s.i

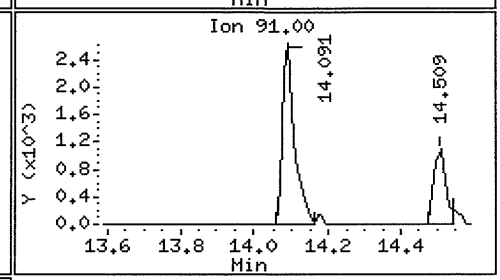
Sample Info: SB0196-5

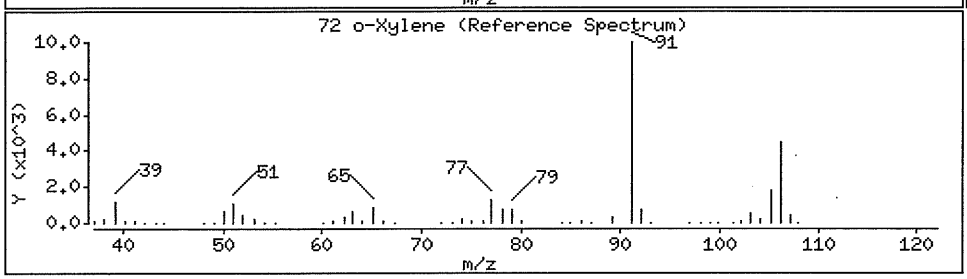
72 o-Xylene Concentration: 0.38 ug/l



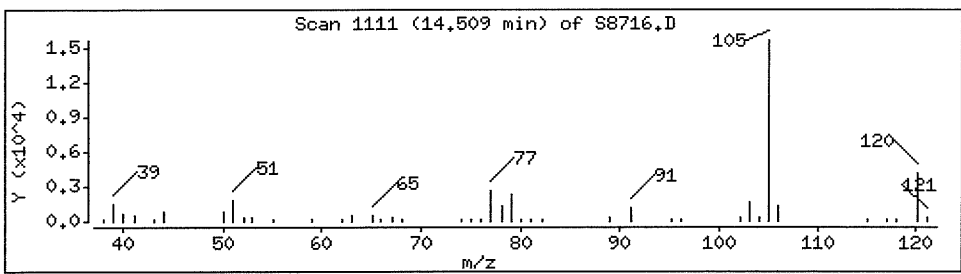


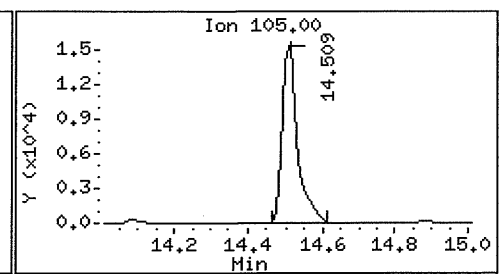


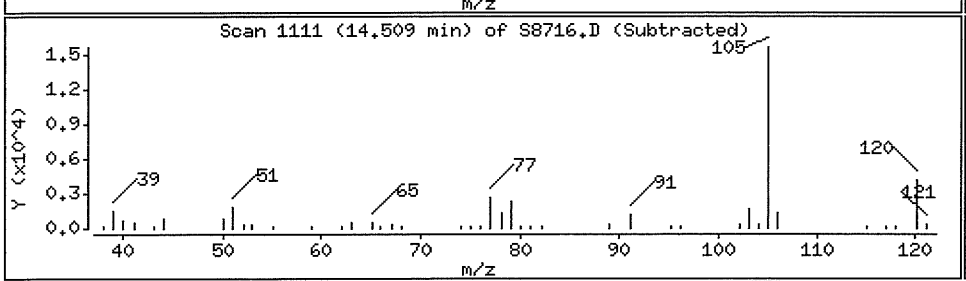


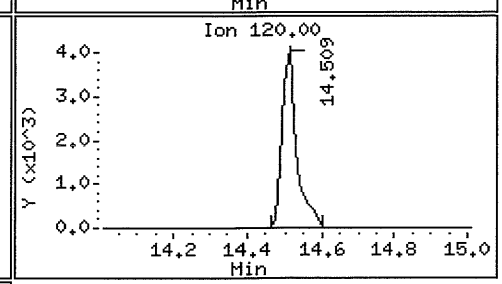


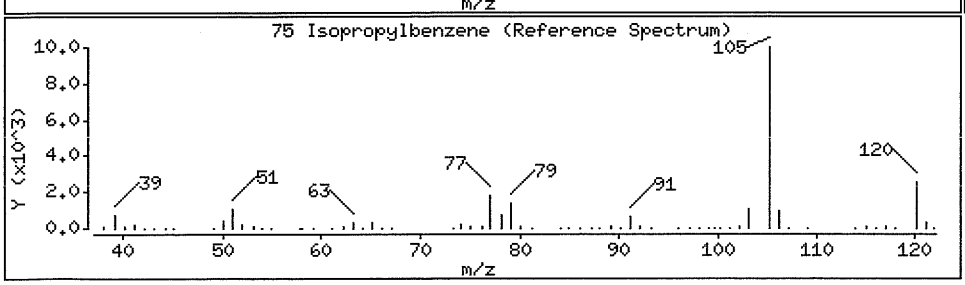
75 Isopropylbenzene Concentration: 3.3 ug/l











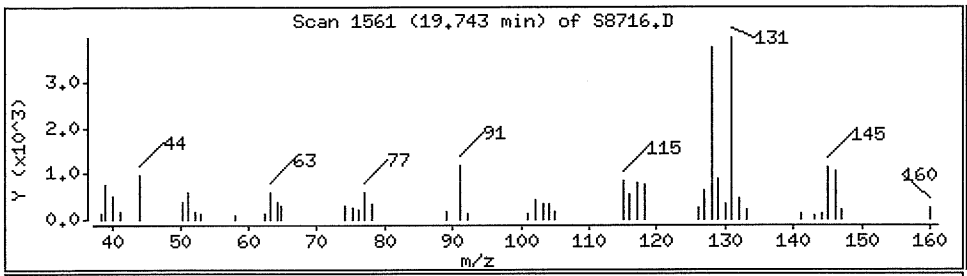
Data File: \\Target_server\GC\chem\gcms-s.i\S011708.b\S8716.D

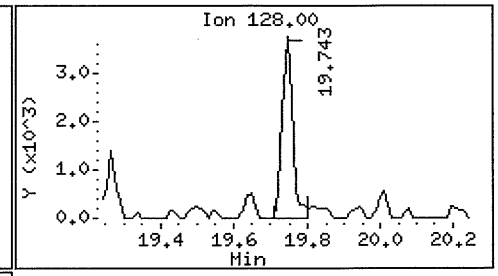
Date : 17-JAN-2008 18:23

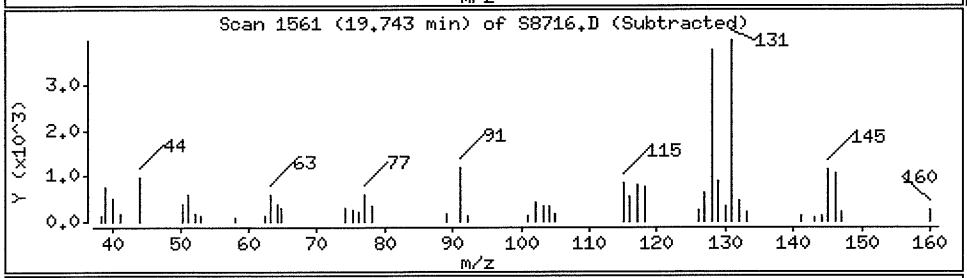
Client ID: AWD-GW-MW14-2008 Instrument: gcms-s.i

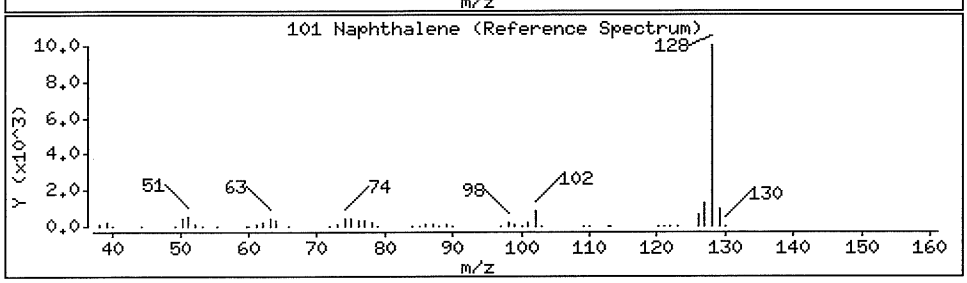
Sample Info: SB0196-5

101 Naphthalene Concentration: 0.69 ug/l









KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 01/10/08
Received Date: 01/11/08
Extraction Date:
Analysis Date: 17-JAN-2008 18:54
Report Date: 01/30/2008
Matrix: WATER
% Solids: NA

Lab ID: SB0196-6
Client ID: AWD-GW-DUP2
SDG: CTO426-1
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG47521
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
1634-04-4	Methyl tert-butyl ether	U	1	1.0	1	1	0.6
71-43-2	Benzene	U	1	1.0	1	1	0.4
108-88-3	Toluene	U	1	1.0	1	1	0.3
100-41-4	Ethylbenzene	U	1	1.0	1	1	0.4
1330-20-7	Xylenes (total)	U	3	1.0	3	3	0.4
	m+p-Xylenes	U	2	1.0	2	2	1.0
95-47-6	o-Xylene	U	1	1.0	1	1	0.4
98-82-8	Isopropylbenzene		3	1.0	1	1	0.5
91-20-3	Naphthalene	J	0.6	1.0	1	1	0.4
1868-53-7	Dibromofluoromethane		89%				
17060-07-0	1,2-Dichloroethane-D4		105%				
2037-26-5	Toluene-D8		91%				
460-00-4	P-Bromofluorobenzene		87%				

Data File: \\Target_server\GG\chem\gcms-s.i\S011708.b\S8717.D
Report Date: 30-Jan-2008 09:50

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gcms-s.i\S011708.b\S8717.D
Lab Smp Id: SB0196-6 Client Smp ID: AWD-GW-DUP2
Inj Date : 17-JAN-2008 18:54 MS Autotune Date: 21-NOV-2007 15:16
Operator : SKT Inst ID: gcms-s.i
Smp Info : SB0196-6
Misc Info : SW846 8260B
Comment :
Method : \\Target_server\GG\chem\gcms-s.i\S011708.b\s826a48.m
Meth Date : 17-Jan-2008 08:54 sthompson Quant Type: ISTD
Cal Date : 16-JAN-2008 19:34 Cal File: S8696.D
Als bottle: 29
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TETRAT426001.sub
Target Version: 4.12
Processing Host: TARGET05

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)
75 Isopropylbenzene	105	14.509	14.510	(0.883)	44450	3.25571	3.2
101 Naphthalene	128	19.743	19.743	(1.202)	6523	0.59553	0.60(a)
$ 37 Dibromofluoromethane	113	8.252	8.265	(0.904)	268185	44.5397	44.5
$ 45 1,2-Dichloroethane-D4	65	9.125	9.137	(1.000)	333510	52.5232	52.5
$ 55 Toluene-D8	98	11.393	11.393	(1.158)	694619	45.5147	45.5
$ 76 P-Bromofluorobenzene	95	14.881	14.882	(1.513)	277194	43.4041	43.4
* 42 Pentafluorobenzene	168	9.125	9.125	(1.000)	533635	50.0000	
* 49 1,4-Difluorobenzene	114	9.834	9.846	(1.000)	775279	50.0000	
* 66 Chlorobenzene-D5	117	13.288	13.289	(1.000)	659824	50.0000	
* 91 1,4-Dichlorobenzene-D4	152	16.428	16.428	(1.000)	331082	50.0000	

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: \\Target_server\GG\chem\gcms-s.i\S011708.b\S8717.D
Report Date: 30-Jan-2008 09:50

Katahdin Analytical Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcms-s.i
Lab File ID: S8717.D
Lab Smp Id: SB0196-6
Analysis Type: VOA
Quant Type: ISTD
Operator: SKT
Method File: \\Target_server\GG\chem\gcms-s.i\S011708.b\s826a48.m
Misc Info: SW846 8260B

Calibration Date: 17-JAN-2008
Calibration Time: 08:35
Client Smp ID: AWD-GW-DUP2
Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 4

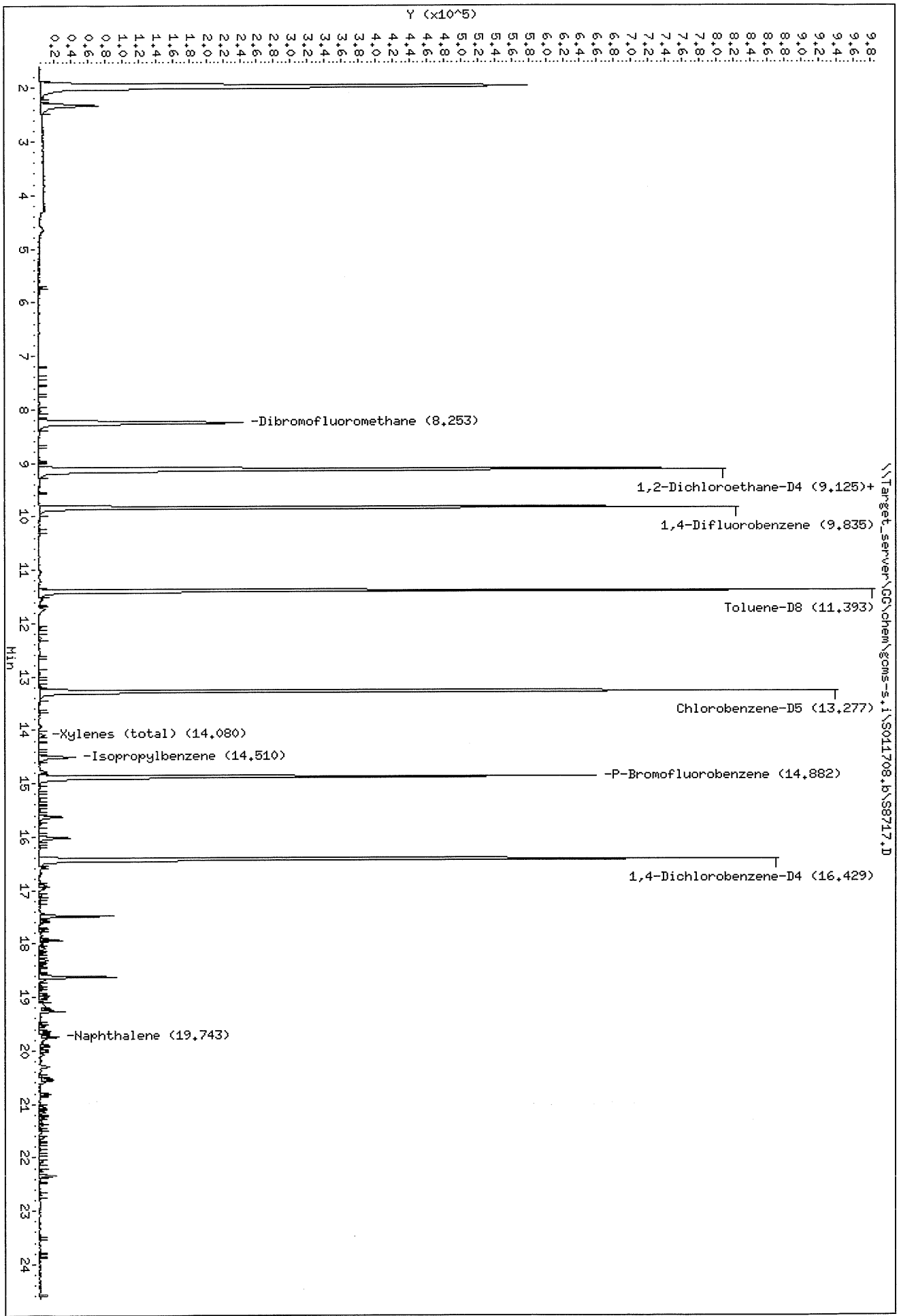
COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	628556	314278	1257112	533635	-15.10
49 1,4-Difluorobenze	887687	443844	1775374	775279	-12.66
66 Chlorobenzene-D5	767984	383992	1535968	659824	-14.08
91 1,4-Dichlorobenze	413885	206943	827770	331082	-20.01

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	9.12	8.62	9.62	9.13	0.06
49 1,4-Difluorobenze	9.83	9.33	10.33	9.83	0.06
66 Chlorobenzene-D5	13.27	12.77	13.77	13.29	0.13
91 1,4-Dichlorobenze	16.42	15.92	16.92	16.43	0.04

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.

Data File: \\Target_server\GC\chem\gcms-s.i\S011708.b\S8717.D
Date : 17-JAN-2008 18:54
Client ID: AWD-GW-DUP2
Sample Info: SB0196-6

Instrument: gcms-s.i



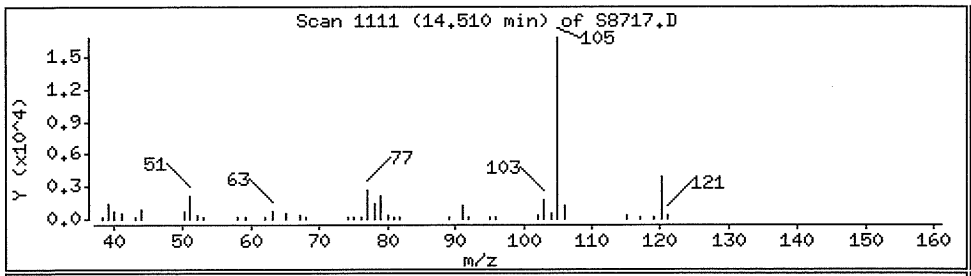
Data File: \\Target_server\GC\chem\gcms-s.i\S011708.b\S8717.D

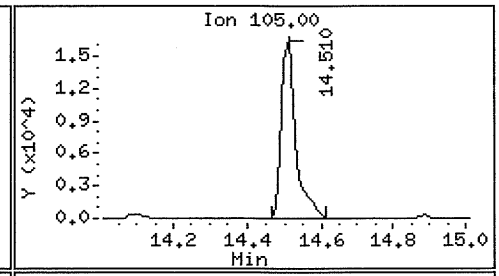
Date : 17-JAN-2008 18:54

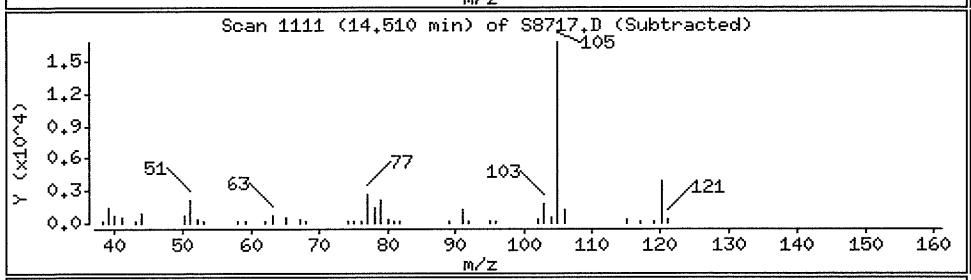
Client ID: AWD-GW-DUP2 Instrument: gcms-s.i

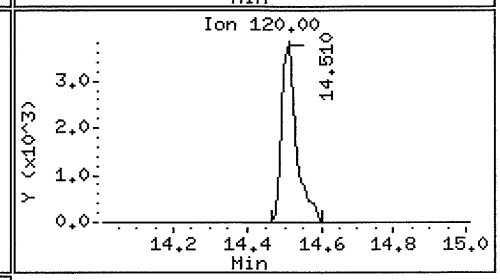
Sample Info: SB0196-6

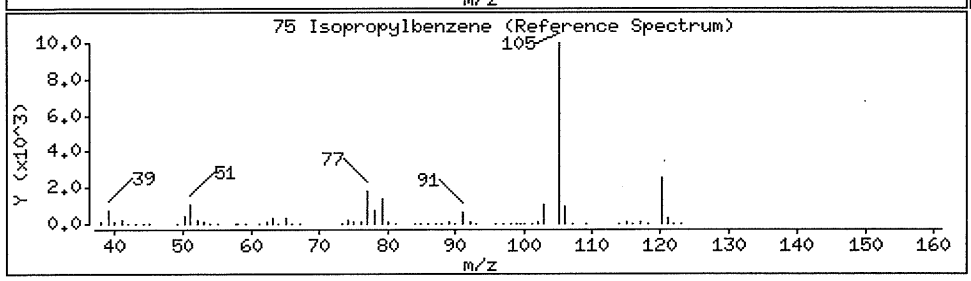
75 Isopropylbenzene Concentration: 3.2 ug/l



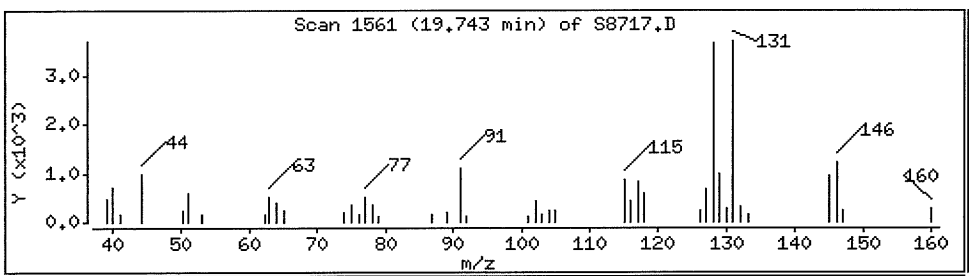


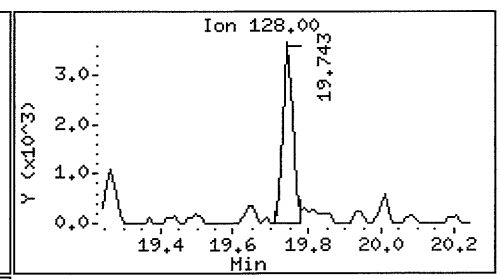


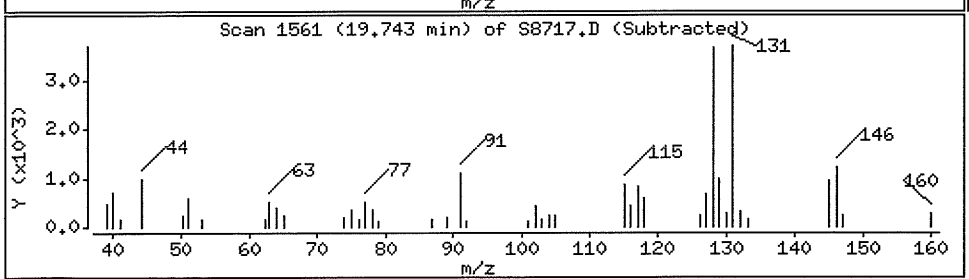


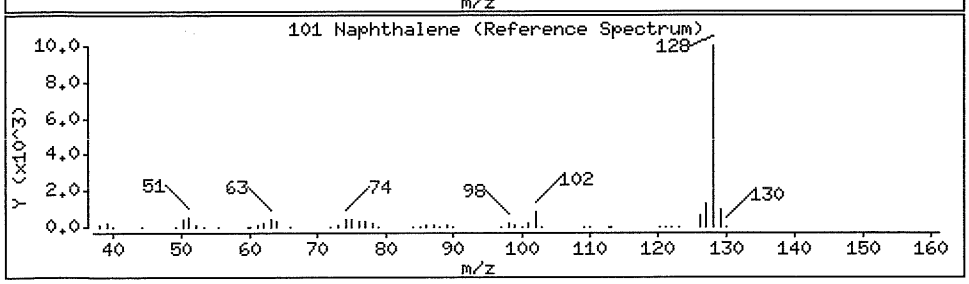


101 Naphthalene Concentration: 0.60 ug/l









KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 01/09/08
Received Date: 01/11/08
Extraction Date:
Analysis Date: 17-JAN-2008 11:09
Report Date: 01/30/2008
Matrix: WATER
% Solids: NA

Lab ID: SB0196-7
Client ID: AWD-GW-TB2
SDG: CTO426-1
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG47521
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
1634-04-4	Methyl tert-butyl ether	U	1	1.0	1	1	0.6
71-43-2	Benzene	U	1	1.0	1	1	0.4
108-88-3	Toluene	U	1	1.0	1	1	0.3
100-41-4	Ethylbenzene	U	1	1.0	1	1	0.4
1330-20-7	Xylenes (total)	U	3	1.0	3	3	0.4
	m+p-Xylenes	U	2	1.0	2	2	1.0
95-47-6	o-Xylene	U	1	1.0	1	1	0.4
98-82-8	Isopropylbenzene	U	1	1.0	1	1	0.5
91-20-3	Naphthalene	U	1	1.0	1	1	0.4
1868-53-7	Dibromofluoromethane		83%				
17060-07-0	1,2-Dichloroethane-D4		92%				
2037-26-5	Toluene-D8		98%				
460-00-4	P-Bromofluorobenzene		92%				

Data File: \\Target_server\GG\chem\gcms-s.i\S011708.b\S8702.D
Report Date: 30-Jan-2008 09:49

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gcms-s.i\S011708.b\S8702.D
Lab Smp Id: SB0196-7 Client Smp ID: AWD-GW-TB2
Inj Date : 17-JAN-2008 11:09 MS Autotune Date: 21-NOV-2007 15:16
Operator : SKT Inst ID: gcms-s.i
Smp Info : SB0196-7
Misc Info : SW846 8260B
Comment :
Method : \\Target_server\GG\chem\gcms-s.i\S011708.b\s826a48.m
Meth Date : 17-Jan-2008 08:54 sthompson Quant Type: ISTD
Cal Date : 16-JAN-2008 19:34 Cal File: S8696.D
Als bottle: 14
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TETRAT426001.sub
Target Version: 4.12
Processing Host: TARGET05

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)
$ 37 Dibromofluoromethane	113	8.252	8.265	(0.904)	300589	41.3032	41.3
$ 45 1,2-Dichloroethane-D4	65	9.124	9.137	(1.000)	352786	45.9676	46.0
$ 55 Toluene-D8	98	11.392	11.393	(1.158)	820163	48.8298	48.8
$ 76 P-Bromofluorobenzene	95	14.881	14.882	(1.513)	322065	45.8217	45.8
* 42 Pentafluorobenzene	168	9.124	9.125	(1.000)	644980	50.0000	
* 49 1,4-Difluorobenzene	114	9.834	9.846	(1.000)	853253	50.0000	
* 66 Chlorobenzene-D5	117	13.276	13.289	(1.000)	765646	50.0000	
* 91 1,4-Dichlorobenzene-D4	152	16.428	16.428	(1.000)	371009	50.0000	

Data File: \\Target_server\GG\chem\gcms-s.i\S011708.b\S8702.D
Report Date: 30-Jan-2008 09:49

Katahdin Analytical Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcms-s.i
Lab File ID: S8702.D
Lab Smp Id: SB0196-7
Analysis Type: VOA
Quant Type: ISTD
Operator: SKT
Method File: \\Target_server\GG\chem\gcms-s.i\S011708.b\s826a48.m
Misc Info: SW846 8260B

Calibration Date: 17-JAN-2008
Calibration Time: 08:35
Client Smp ID: AWD-GW-TB2
Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 4

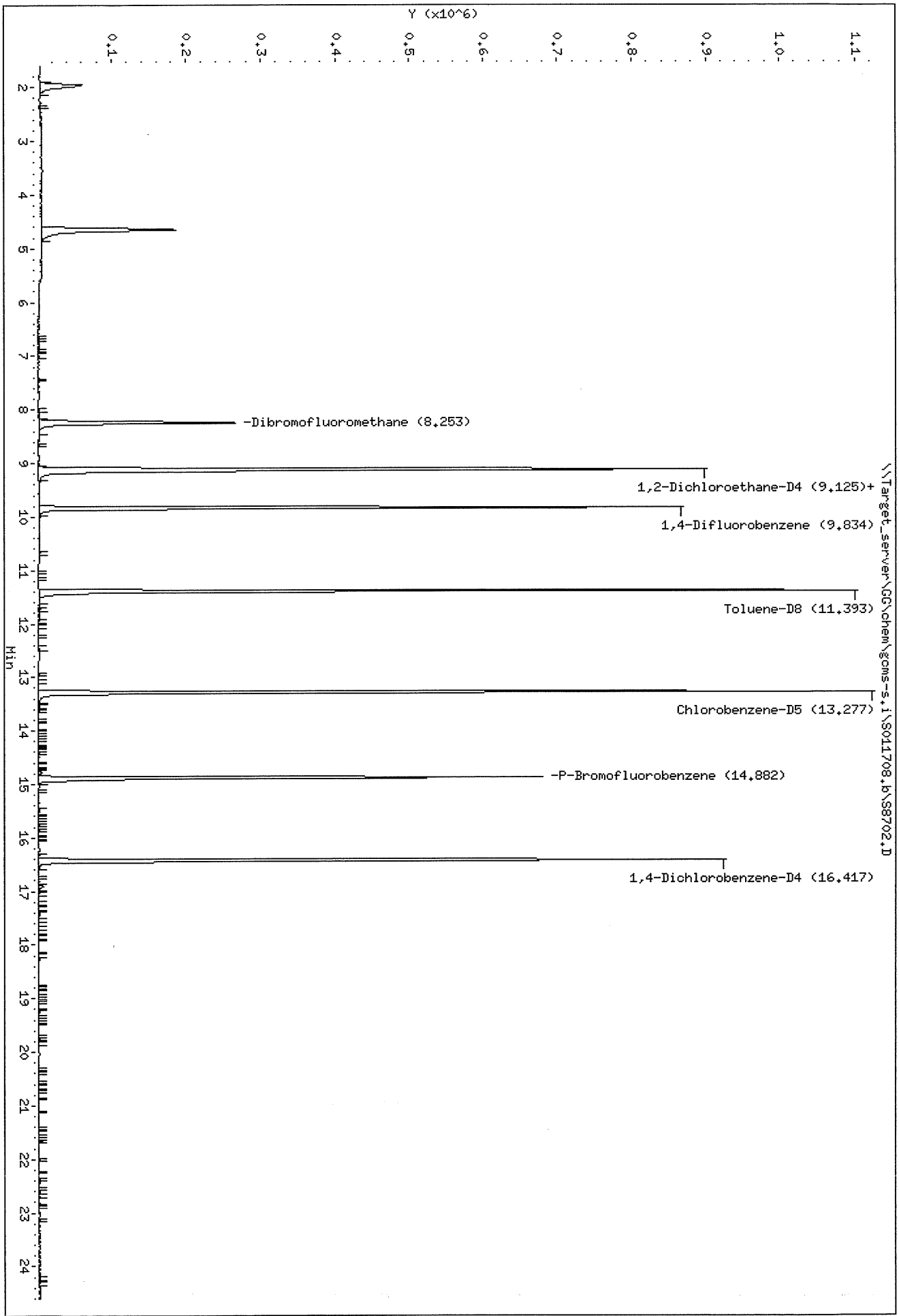
COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	628556	314278	1257112	644980	2.61
49 1,4-Difluorobenze	887687	443844	1775374	853253	-3.88
66 Chlorobenzene-D5	767984	383992	1535968	765646	-0.30
91 1,4-Dichlorobenze	413885	206943	827770	371009	-10.36

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	9.12	8.62	9.62	9.12	0.06
49 1,4-Difluorobenze	9.83	9.33	10.33	9.83	0.05
66 Chlorobenzene-D5	13.27	12.77	13.77	13.28	0.04
91 1,4-Dichlorobenze	16.42	15.92	16.92	16.43	0.03

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.

Data File: \\Target_server\GC\chem\gcms-s.i\S011708.b\S8702.D
Date : 17-JAN-2008 11:09
Client ID: AWD-GW-TB2
Sample Info: SB0196-7

Instrument: gcms-s.i



KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 01/10/08
Received Date: 01/12/08
Extraction Date:
Analysis Date: 21-JAN-2008 17:52
Report Date: 01/30/2008
Matrix: WATER
% Solids: NA

Lab ID: SB0230-1
Client ID: AWD-SW-SW1-20080111
SDG: CTO426-1
Extracted by:
Extraction Method: SW846 5030
Analyst: JSS
Analysis Method: SW846 8260B
Lab Prep Batch: WG47623
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
1634-04-4	Methyl tert-butyl ether	U	1	1.0	1	1	0.6
71-43-2	Benzene	U	1	1.0	1	1	0.4
108-88-3	Toluene	U	1	1.0	1	1	0.3
100-41-4	Ethylbenzene	U	1	1.0	1	1	0.4
1330-20-7	Xylenes (total)	U	3	1.0	3	3	0.4
	m+p-Xylenes	U	2	1.0	2	2	1.0
95-47-6	o-Xylene	U	1	1.0	1	1	0.4
98-82-8	Isopropylbenzene	U	1	1.0	1	1	0.5
91-20-3	Naphthalene	U	1	1.0	1	1	0.4
1868-53-7	Dibromofluoromethane		102%				
17060-07-0	1,2-Dichloroethane-D4		106%				
2037-26-5	Toluene-D8		103%				
460-00-4	P-Bromofluorobenzene		100%				

Data File: \\Target_server\GG\chem\gcms-f.i\F012108B.b\F8751.D
Report Date: 30-Jan-2008 09:24

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gcms-f.i\F012108B.b\F8751.D
Lab Smp Id: SB0230-1 Client Smp ID: AWD-SW-SW1-20080111
Inj Date : 21-JAN-2008 17:52 MS Autotune Date: 01-JAN-1990 15:37
Operator : JSS Inst ID: gcms-f.i
Smp Info : SB0230-1
Misc Info : SW846 8260B
Comment :
Method : \\Target_server\GG\chem\gcms-f.i\F012108B.b\F826a99.m
Meth Date : 30-Jan-2008 09:18 jprescott Quant Type: ISTD
Cal Date : 21-JAN-2008 12:58 Cal File: F8742.D
Als bottle: 24
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TETRAT426001.sub
Target Version: 4.12
Processing Host: TARGET05

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)
$ 37 Dibromofluoromethane	113	5.382	5.412	(0.833)	183406	50.9199	50.9
$ 45 1,2-Dichloroethane-D4	65	6.415	6.456	(0.993)	224404	53.2137	53.2
$ 55 Toluene-D8	98	9.920	9.938	(1.296)	602758	51.5768	51.6
$ 76 P-Bromofluorobenzene	95	13.159	13.164	(1.718)	244903	50.1539	50.2
* 42 Pentafluorobenzene	168	6.462	6.491	(1.000)	360915	50.0000	
* 49 1,4-Difluorobenzene	114	7.657	7.686	(1.000)	474374	50.0000	
* 66 Chlorobenzene-D5	117	11.603	11.621	(1.000)	398592	50.0000	
* 91 1,4-Dichlorobenzene-D4	152	14.656	14.662	(1.000)	201573	50.0000	

Data File: \\Target_server\GG\chem\gcms-f.i\F012108B.b\F8751.D
Report Date: 30-Jan-2008 09:24

Katahdin Analytical Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcms-f.i
Lab File ID: F8751.D
Lab Smp Id: SB0230-1
Analysis Type: VOA
Quant Type: ISTD
Operator: JSS
Method File: \\Target_server\GG\chem\gcms-f.i\F012108B.b\F826a99.m
Misc Info: SW846 8260B

Calibration Date: 21-JAN-2008
Calibration Time: 10:04
Client Smp ID: AWD-SW-SW1-2008
Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 4

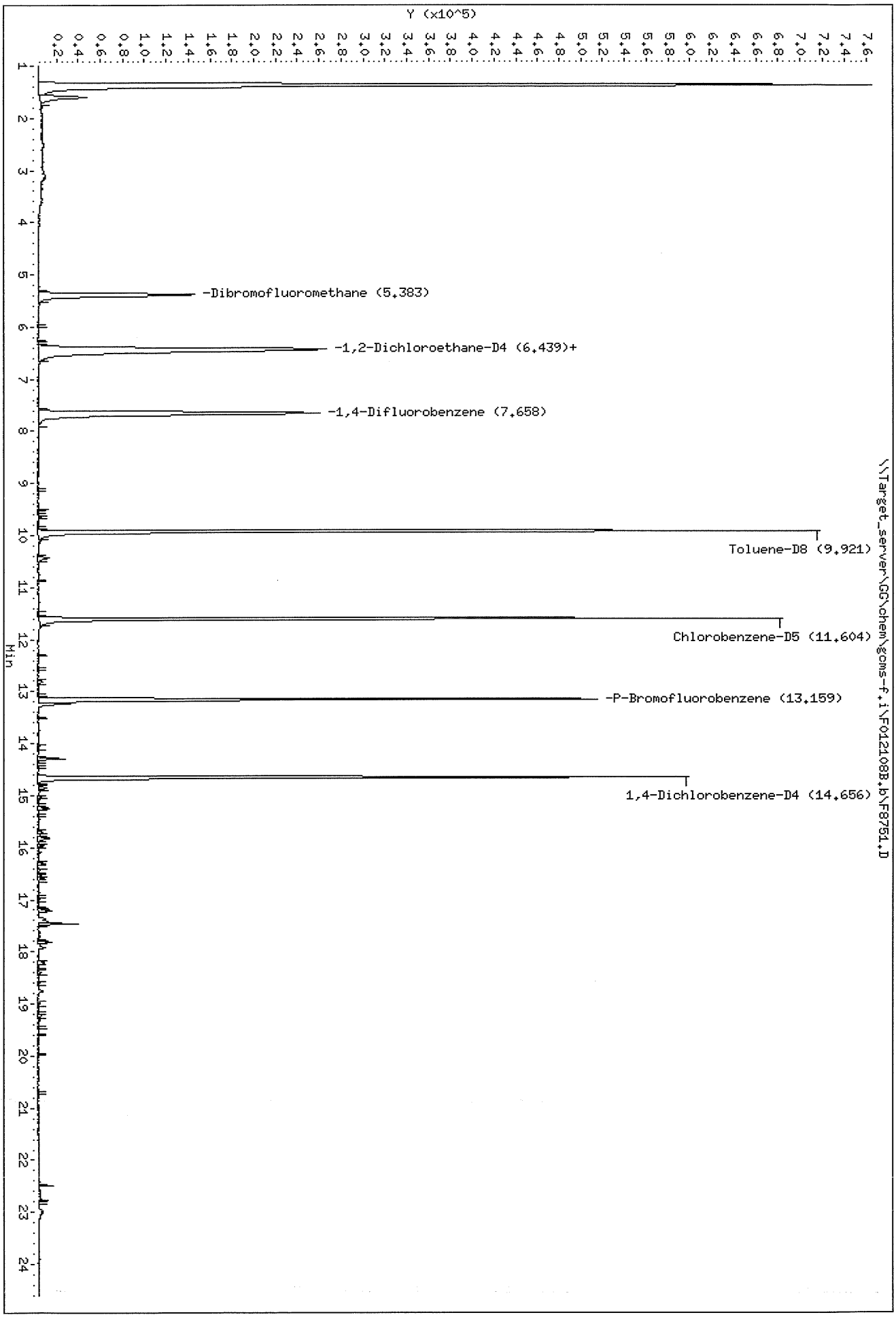
COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	535128	267564	1070256	360915	-32.56
49 1,4-Difluorobenze	685783	342892	1371566	474374	-30.83
66 Chlorobenzene-D5	571710	285855	1143420	398592	-30.28
91 1,4-Dichlorobenze	309249	154625	618498	201573	-34.82

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	6.48	5.98	6.98	6.46	-0.25
49 1,4-Difluorobenze	7.69	7.19	8.19	7.66	-0.36
66 Chlorobenzene-D5	11.61	11.11	12.11	11.60	-0.04
91 1,4-Dichlorobenze	14.66	14.16	15.16	14.66	-0.03

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.

Data File: \\Target_server\GC\chem\gcms-f.i\F012108B.b\F8751.D
Date : 21-JAN-2008 17:52
Client ID: AWD-SW-SW1-20080111
Sample Info: SB0230-1

Instrument: gcms-f.i



KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 01/11/08
Received Date: 01/12/08
Extraction Date:
Analysis Date: 21-JAN-2008 18:23
Report Date: 01/30/2008
Matrix: WATER
% Solids: NA

Lab ID: SB0230-2
Client ID: AWD-SW-PZ203-200801
SDG: CTO426-1
Extracted by:
Extraction Method: SW846 5030
Analyst: JSS
Analysis Method: SW846 8260B
Lab Prep Batch: WG47623
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
1634-04-4	Methyl tert-butyl ether	U	1	1.0	1	1	0.6
71-43-2	Benzene	U	1	1.0	1	1	0.4
108-88-3	Toluene	U	1	1.0	1	1	0.3
100-41-4	Ethylbenzene	U	1	1.0	1	1	0.4
1330-20-7	Xylenes (total)	U	3	1.0	3	3	0.4
	m+p-Xylenes	U	2	1.0	2	2	1.0
95-47-6	o-Xylene	U	1	1.0	1	1	0.4
98-82-8	Isopropylbenzene	U	1	1.0	1	1	0.5
91-20-3	Naphthalene	U	1	1.0	1	1	0.4
1868-53-7	Dibromofluoromethane		101%				
17060-07-0	1,2-Dichloroethane-D4		108%				
2037-26-5	Toluene-D8		98%				
460-00-4	P-Bromofluorobenzene		95%				

Data File: \\Target_server\GG\chem\gcms-f.i\F012108B.b\F8752.D
Report Date: 30-Jan-2008 09:24

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gcms-f.i\F012108B.b\F8752.D
Lab Smp Id: SB0230-2 Client Smp ID: AWD-SW-PZ203-200801
Inj Date : 21-JAN-2008 18:23 MS Autotune Date: 01-JAN-1990 15:37
Operator : JSS Inst ID: gcms-f.i
Smp Info : SB0230-2
Misc Info : SW846 8260B
Comment :
Method : \\Target_server\GG\chem\gcms-f.i\F012108B.b\F826a99.m
Meth Date : 30-Jan-2008 09:18 jprescott Quant Type: ISTD
Cal Date : 21-JAN-2008 12:58 Cal File: F8742.D
Als bottle: 25
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TETRAT426001.sub
Target Version: 4.12
Processing Host: TARGET05

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)
$ 37 Dibromofluoromethane	113	5.384	5.412	(0.836)	183041	50.5764	50.6
$ 45 1,2-Dichloroethane-D4	65	6.406	6.456	(0.995)	228555	53.9398	53.9
$ 55 Toluene-D8	98	9.922	9.938	(1.297)	561146	49.2458	49.2
$ 76 P-Bromofluorobenzene	95	13.149	13.164	(1.719)	226030	47.4743	47.5
* 42 Pentafluorobenzene	168	6.440	6.491	(1.000)	362643	50.0000	
* 49 1,4-Difluorobenzene	114	7.648	7.686	(1.000)	462529	50.0000	
* 66 Chlorobenzene-D5	117	11.605	11.621	(1.000)	396415	50.0000	
* 91 1,4-Dichlorobenzene-D4	152	14.646	14.662	(1.000)	206432	50.0000	

Data File: \\Target_server\GG\chem\gcms-f.i\F012108B.b\F8752.D
Report Date: 30-Jan-2008 09:24

Katahdin Analytical Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcms-f.i
Lab File ID: F8752.D
Lab Smp Id: SB0230-2
Analysis Type: VOA
Quant Type: ISTD
Operator: JSS
Method File: \\Target_server\GG\chem\gcms-f.i\F012108B.b\F826a99.m
Misc Info: SW846 8260B

Calibration Date: 21-JAN-2008
Calibration Time: 10:04
Client Smp ID: AWD-SW-PZ203-20
Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 4

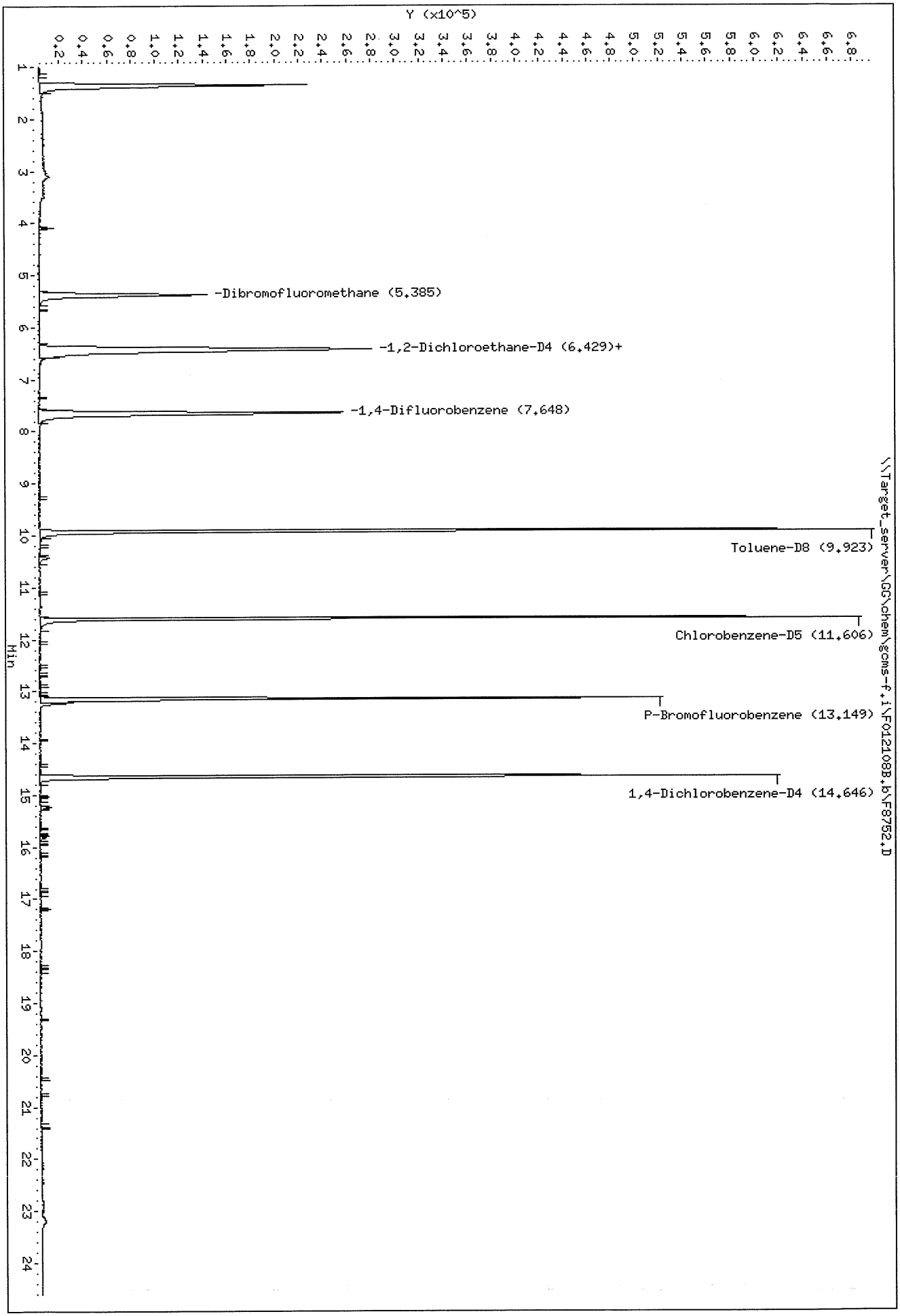
COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	535128	267564	1070256	362643	-32.23
49 1,4-Difluorobenze	685783	342892	1371566	462529	-32.55
66 Chlorobenzene-D5	571710	285855	1143420	396415	-30.66
91 1,4-Dichlorobenze	309249	154625	618498	206432	-33.25

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	6.48	5.98	6.98	6.44	-0.58
49 1,4-Difluorobenze	7.69	7.19	8.19	7.65	-0.49
66 Chlorobenzene-D5	11.61	11.11	12.11	11.61	-0.03
91 1,4-Dichlorobenze	14.66	14.16	15.16	14.65	-0.10

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.

Data File: \\Target_server\GC\chem\gcms-f.i\F0121108B.b\F8752.D
Date : 21-JAN-2008 18:23
Client ID: AWD-SW-PZ203-200801
Sample Info: SB0230-2

Instrument: gcms-f.i



KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 01/11/08
Received Date: 01/12/08
Extraction Date:
Analysis Date: 21-JAN-2008 18:54
Report Date: 01/30/2008
Matrix: WATER
% Solids: NA

Lab ID: SB0230-3
Client ID: AWD-GW-MW202-200801
SDG: CTO426-1
Extracted by:
Extraction Method: SW846 5030
Analyst: JSS
Analysis Method: SW846 8260B
Lab Prep Batch: WG47623
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
1634-04-4	Methyl tert-butyl ether	U	1	1.0	1	1	0.6
71-43-2	Benzene	U	1	1.0	1	1	0.4
108-88-3	Toluene	U	1	1.0	1	1	0.3
100-41-4	Ethylbenzene	J	0.6	1.0	1	1	0.4
1330-20-7	Xylenes (total)	U	3	1.0	3	3	0.4
	m+p-Xylenes	U	2	1.0	2	2	1.0
95-47-6	o-Xylene	U	1	1.0	1	1	0.4
98-82-8	Isopropylbenzene		1	1.0	1	1	0.5
91-20-3	Naphthalene	U	1	1.0	1	1	0.4
1868-53-7	Dibromofluoromethane		106%				
17060-07-0	1,2-Dichloroethane-D4		108%				
2037-26-5	Toluene-D8		99%				
460-00-4	P-Bromofluorobenzene		91%				

Data File: \\Target_server\GG\chem\gcms-f.i\F012108B.b\F8753.D
Report Date: 30-Jan-2008 09:24

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gcms-f.i\F012108B.b\F8753.D
Lab Smp Id: SB0230-3 Client Smp ID: AWD-GW-MW202-200801
Inj Date : 21-JAN-2008 18:54 MS Autotune Date: 01-JAN-1990 15:37
Operator : JSS Inst ID: gcms-f.i
Smp Info : SB0230-3
Misc Info : SW846 8260B
Comment :
Method : \\Target_server\GG\chem\gcms-f.i\F012108B.b\F826a99.m
Meth Date : 30-Jan-2008 09:18 jprescott Quant Type: ISTD
Cal Date : 21-JAN-2008 12:58 Cal File: F8742.D
Als bottle: 26
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TETRAT426001.sub
Target Version: 4.12
Processing Host: TARGET05

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)
68 Ethylbenzene	106	11.678	11.702	(1.007)	2607	0.60522	0.60(a)
75 Isopropylbenzene	105	12.804	12.816	(0.874)	11293	1.06799	1.1
$ 37 Dibromofluoromethane	113	5.376	5.412	(0.836)	176653	53.2722	53.3
$ 45 1,2-Dichloroethane-D4	65	6.409	6.456	(0.996)	209549	53.9740	54.0
$ 55 Toluene-D8	98	9.914	9.938	(1.296)	552081	49.5738	49.6
$ 76 P-Bromofluorobenzene	95	13.152	13.164	(1.719)	211311	45.4121	45.4
* 42 Pentafluorobenzene	168	6.432	6.491	(1.000)	332276	50.0000	
* 49 1,4-Difluorobenzene	114	7.650	7.686	(1.000)	452046	50.0000	
* 66 Chlorobenzene-D5	117	11.597	11.621	(1.000)	379477	50.0000	
* 91 1,4-Dichlorobenzene-D4	152	14.649	14.662	(1.000)	178853	50.0000	

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: \\Target_server\GG\chem\gcms-f.i\F012108B.b\F8753.D
Report Date: 30-Jan-2008 09:24

Katahdin Analytical Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcms-f.i
Lab File ID: F8753.D
Lab Smp Id: SB0230-3
Analysis Type: VOA
Quant Type: ISTD
Operator: JSS
Method File: \\Target_server\GG\chem\gcms-f.i\F012108B.b\F826a99.m
Misc Info: SW846 8260B

Calibration Date: 21-JAN-2008
Calibration Time: 10:04
Client Smp ID: AWD-GW-MW202-20
Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 4

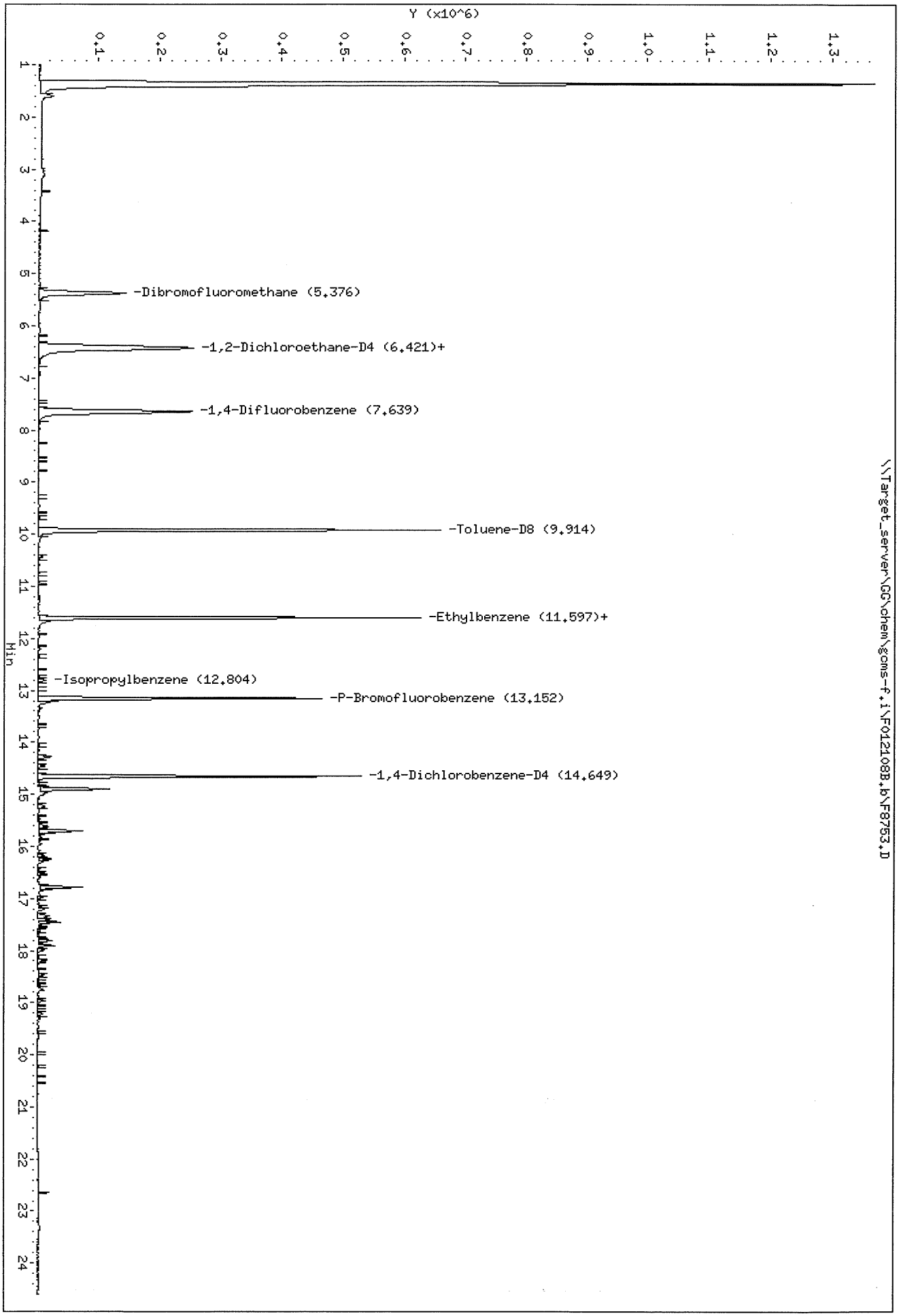
COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	535128	267564	1070256	332276	-37.91
49 1,4-Difluorobenze	685783	342892	1371566	452046	-34.08
66 Chlorobenzene-D5	571710	285855	1143420	379477	-33.62
91 1,4-Dichlorobenze	309249	154625	618498	178853	-42.17

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	6.48	5.98	6.98	6.43	-0.72
49 1,4-Difluorobenze	7.69	7.19	8.19	7.65	-0.45
66 Chlorobenzene-D5	11.61	11.11	12.11	11.60	-0.10
91 1,4-Dichlorobenze	14.66	14.16	15.16	14.65	-0.08

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.

Data File: \\Target_server\GC\chem\gcms-f.i\F012108B.b\F8753.D
Date : 21-JAN-2008 18:54
Client ID: AWD-GW-MW202-200801
Sample Info: SB0230-3

Instrument: gcms-f.i



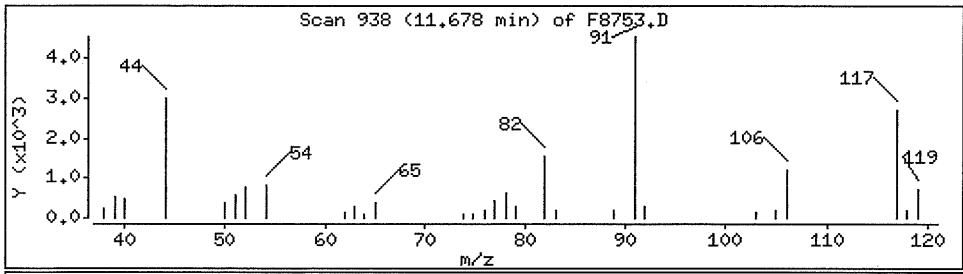
Data File: \\Target_server\GC\chem\gcms-f.i\F012108B.b\F8753.D

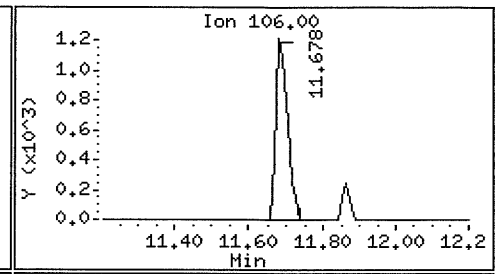
Date : 21-JAN-2008 18:54

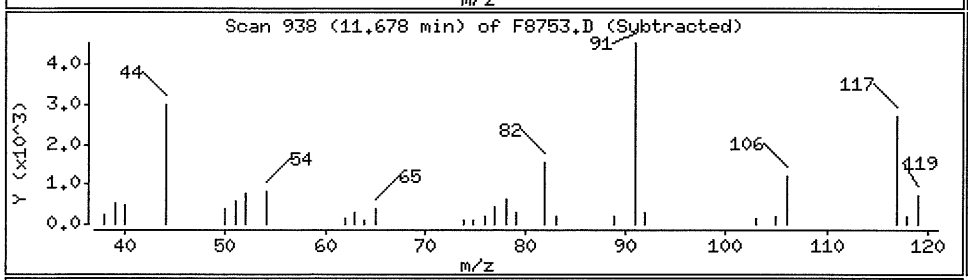
Client ID: AWD-GW-MW202-200801 Instrument: gcms-f.i

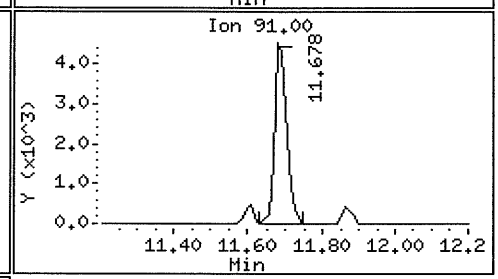
Sample Info: SB0230-3

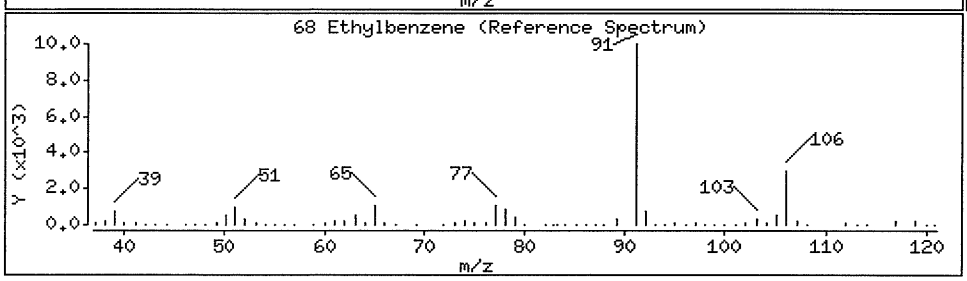
68 Ethylbenzene Concentration: 0.60 ug/l



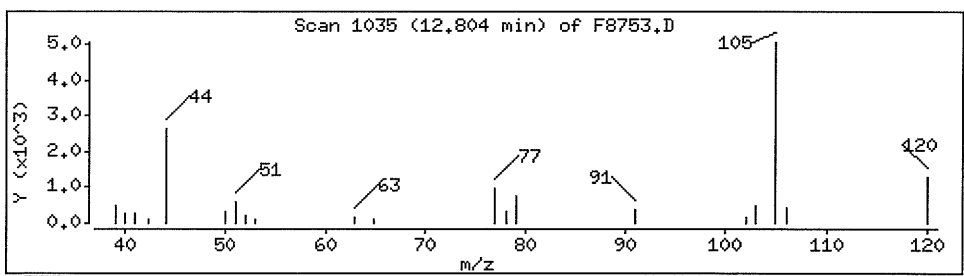


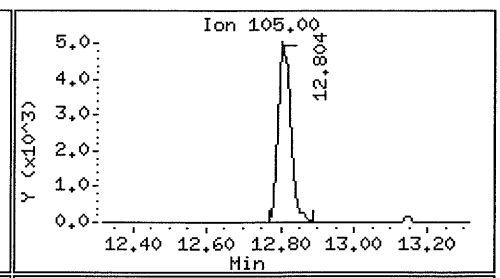


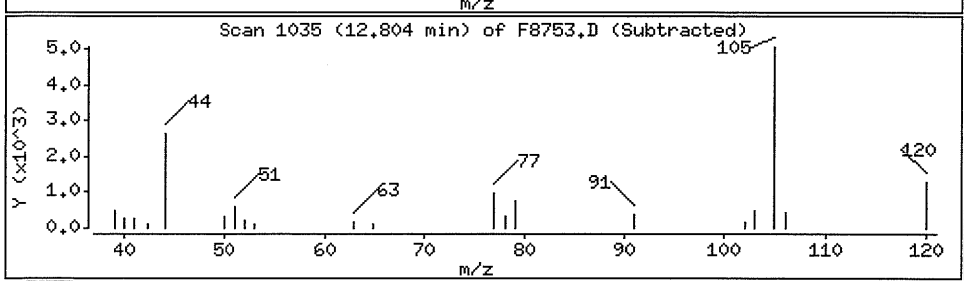


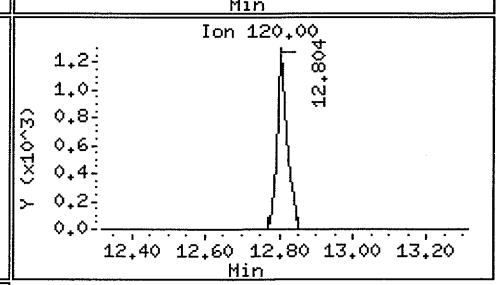


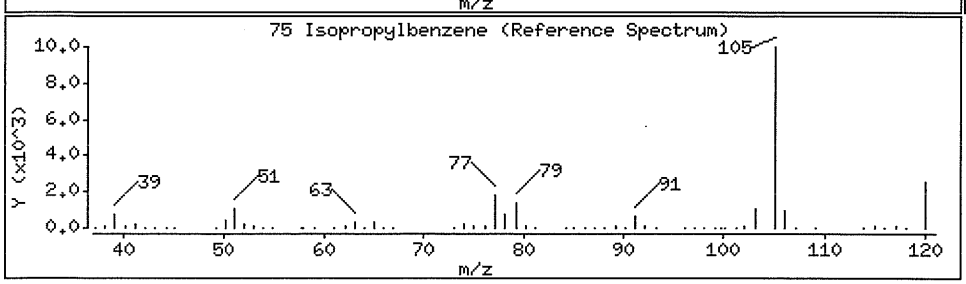
75 Isopropylbenzene Concentration: 1.1 ug/l











KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 01/11/08
Received Date: 01/12/08
Extraction Date:
Analysis Date: 21-JAN-2008 15:49
Report Date: 01/30/2008
Matrix: WATER
% Solids: NA

Lab ID: SB0230-4
Client ID: AWD-GW-TB3
SDG: CTO426-1
Extracted by:
Extraction Method: SW846 5030
Analyst: JSS
Analysis Method: SW846 8260B
Lab Prep Batch: WG47623
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
1634-04-4	Methyl tert-butyl ether	U	1	1.0	1	1	0.6
71-43-2	Benzene	U	1	1.0	1	1	0.4
108-88-3	Toluene	U	1	1.0	1	1	0.3
100-41-4	Ethylbenzene	U	1	1.0	1	1	0.4
1330-20-7	Xylenes (total)	U	3	1.0	3	3	0.4
	m+p-Xylenes	U	2	1.0	2	2	1.0
95-47-6	o-Xylene	U	1	1.0	1	1	0.4
98-82-8	Isopropylbenzene	U	1	1.0	1	1	0.5
91-20-3	Naphthalene	U	1	1.0	1	1	0.4
1868-53-7	Dibromofluoromethane		100%				
17060-07-0	1,2-Dichloroethane-D4		101%				
2037-26-5	Toluene-D8		93%				
460-00-4	P-Bromofluorobenzene		94%				

Data File: \\Target_server\GG\chem\gcms-f.i\F012108B.b\F8747.D
Report Date: 30-Jan-2008 09:23

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gcms-f.i\F012108B.b\F8747.D
Lab Smp Id: SB0230-4 Client Smp ID: AWD-GW-TB3
Inj Date : 21-JAN-2008 15:49 MS Autotune Date: 01-JAN-1990 15:37
Operator : JSS Inst ID: gcms-f.i
Smp Info : SB0230-4
Misc Info : SW846 8260B
Comment :
Method : \\Target_server\GG\chem\gcms-f.i\F012108B.b\F826a99.m
Meth Date : 30-Jan-2008 09:18 jprescott Quant Type: ISTD
Cal Date : 21-JAN-2008 12:58 Cal File: F8742.D
Als bottle: 20
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TETRAT426001.sub
Target Version: 4.12
Processing Host: TARGET05

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)
$ 37 Dibromofluoromethane	113	5.394	5.412	(0.835)	198985	49.9020	49.9
$ 45 1,2-Dichloroethane-D4	65	6.427	6.456	(0.995)	235940	50.5381	50.5
$ 55 Toluene-D8	98	9.932	9.938	(1.295)	615729	46.4889	46.5
$ 76 P-Bromofluorobenzene	95	13.158	13.164	(1.716)	259427	46.8785	46.9
* 42 Pentafluorobenzene	168	6.461	6.491	(1.000)	399559	50.0000	
* 49 1,4-Difluorobenzene	114	7.668	7.686	(1.000)	537617	50.0000	
* 66 Chlorobenzene-D5	117	11.615	11.621	(1.000)	441640	50.0000	
* 91 1,4-Dichlorobenzene-D4	152	14.655	14.662	(1.000)	223512	50.0000	

Data File: \\Target_server\GG\chem\gcms-f.i\F012108B.b\F8747.D
Report Date: 30-Jan-2008 09:23

Katahdin Analytical Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcms-f.i
Lab File ID: F8747.D
Lab Smp Id: SB0230-4
Analysis Type: VOA
Quant Type: ISTD
Operator: JSS
Method File: \\Target_server\GG\chem\gcms-f.i\F012108B.b\F826a99.m
Misc Info: SW846 8260B

Calibration Date: 21-JAN-2008
Calibration Time: 10:04
Client Smp ID: AWD-GW-TB3
Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 4

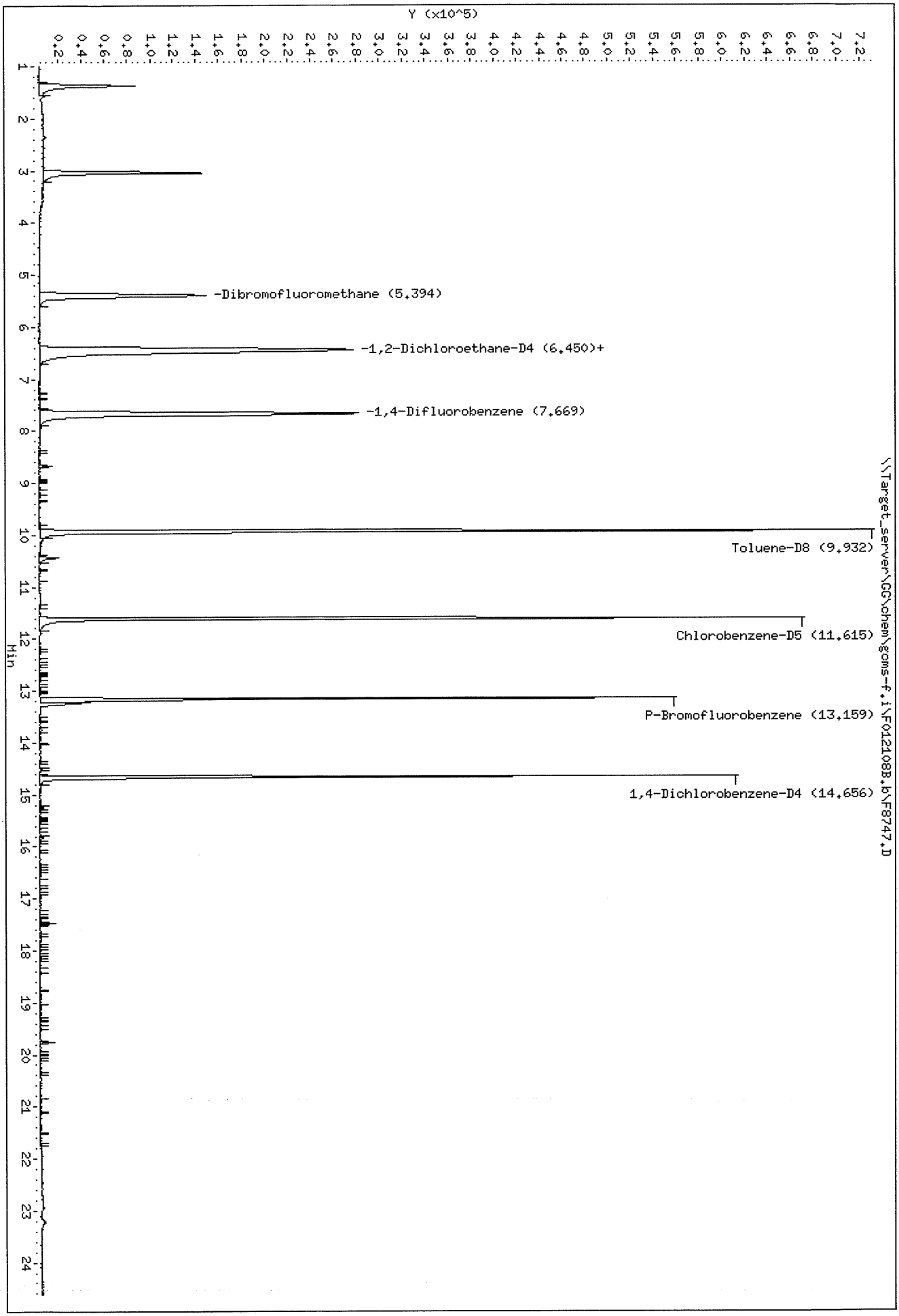
COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	535128	267564	1070256	399559	-25.33
49 1,4-Difluorobenze	685783	342892	1371566	537617	-21.61
66 Chlorobenzene-D5	571710	285855	1143420	441640	-22.75
91 1,4-Dichlorobenze	309249	154625	618498	223512	-27.72

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	6.48	5.98	6.98	6.46	-0.26
49 1,4-Difluorobenze	7.69	7.19	8.19	7.67	-0.22
66 Chlorobenzene-D5	11.61	11.11	12.11	11.62	0.06
91 1,4-Dichlorobenze	14.66	14.16	15.16	14.66	-0.04

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.

Data File: \\Target_server\GC\chem\gcms-f.i\F012108B.b\F8747.D
Date : 21-JAN-2008 15:49
Client ID: AWD-GW-TB3
Sample Info: SB0230-4

Instrument: gcms-f.i



KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 01/11/08
Received Date: 01/12/08
Extraction Date:
Analysis Date: 21-JAN-2008 19:25
Report Date: 01/30/2008
Matrix: WATER
% Solids: NA

Lab ID: SB0230-5
Client ID: AWD-SW-DUP1
SDG: CTO426-1
Extracted by:
Extraction Method: SW846 5030
Analyst: JSS
Analysis Method: SW846 8260B
Lab Prep Batch: WG47623
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
1634-04-4	Methyl tert-butyl ether	U	1	1.0	1	1	0.6
71-43-2	Benzene	U	1	1.0	1	1	0.4
108-88-3	Toluene	U	1	1.0	1	1	0.3
100-41-4	Ethylbenzene	U	1	1.0	1	1	0.4
1330-20-7	Xylenes (total)	U	3	1.0	3	3	0.4
	m+p-Xylenes	U	2	1.0	2	2	1.0
95-47-6	o-Xylene	U	1	1.0	1	1	0.4
98-82-8	Isopropylbenzene	U	1	1.0	1	1	0.5
91-20-3	Naphthalene	U	1	1.0	1	1	0.4
1868-53-7	Dibromofluoromethane		103%				
17060-07-0	1,2-Dichloroethane-D4		112%				
2037-26-5	Toluene-D8		98%				
460-00-4	P-Bromofluorobenzene		98%				

Data File: \\Target_server\GG\chem\gcms-f.i\F012108B.b\F8754.D
Report Date: 30-Jan-2008 09:24

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gcms-f.i\F012108B.b\F8754.D
Lab Smp Id: SB0230-5 Client Smp ID: AWD-SW-DUP1
Inj Date : 21-JAN-2008 19:25 MS Autotune Date: 01-JAN-1990 15:37
Operator : JSS Inst ID: gcms-f.i
Smp Info : SB0230-5
Misc Info : SW846 8260B
Comment :
Method : \\Target_server\GG\chem\gcms-f.i\F012108B.b\F826a99.m
Meth Date : 30-Jan-2008 09:18 jprescott Quant Type: ISTD
Cal Date : 21-JAN-2008 12:58 Cal File: F8742.D
Als bottle: 27
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TETRAT426001.sub
Target Version: 4.12
Processing Host: TARGET05

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)
$ 37 Dibromofluoromethane	113	5.383	5.412	(0.836)	174159	51.5976	51.6
$ 45 1,2-Dichloroethane-D4	65	6.405	6.456	(0.995)	220699	55.8474	55.8
$ 55 Toluene-D8	98	9.921	9.938	(1.297)	530818	48.9293	48.9
$ 76 P-Bromofluorobenzene	95	13.148	13.164	(1.719)	221046	48.7647	48.8
* 42 Pentafluorobenzene	168	6.439	6.491	(1.000)	338217	50.0000	
* 49 1,4-Difluorobenzene	114	7.646	7.686	(1.000)	440361	50.0000	
* 66 Chlorobenzene-D5	117	11.604	11.621	(1.000)	383683	50.0000	
* 91 1,4-Dichlorobenzene-D4	152	14.656	14.662	(1.000)	198769	50.0000	

Data File: \\Target_server\GG\chem\gcms-f.i\F012108B.b\F8754.D
Report Date: 30-Jan-2008 09:24

Katahdin Analytical Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcms-f.i
Lab File ID: F8754.D
Lab Smp Id: SB0230-5
Analysis Type: VOA
Quant Type: ISTD
Operator: JSS
Method File: \\Target_server\GG\chem\gcms-f.i\F012108B.b\F826a99.m
Misc Info: SW846 8260B

Calibration Date: 21-JAN-2008
Calibration Time: 10:04
Client Smp ID: AWD-SW-DUP1
Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 4

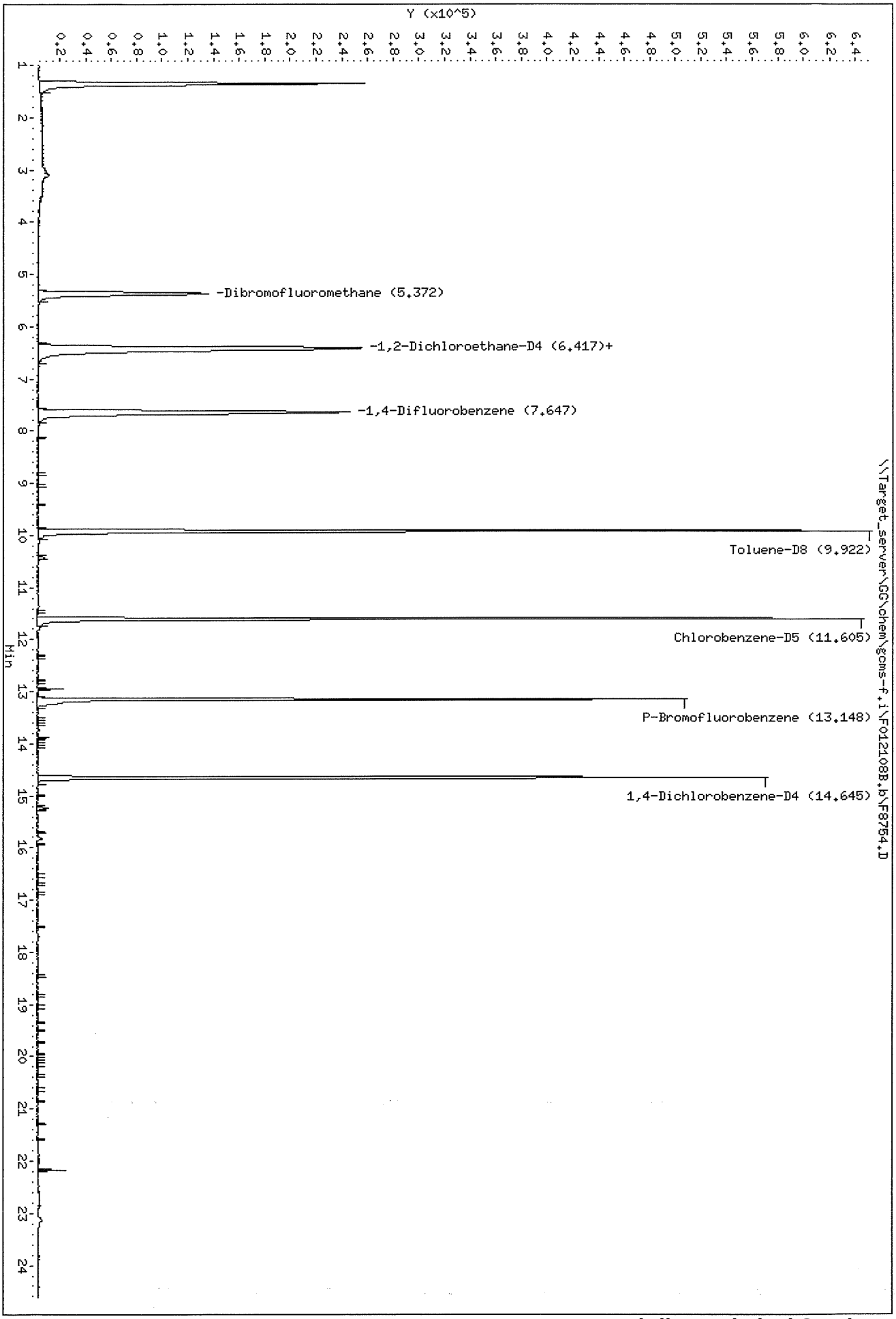
COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	535128	267564	1070256	338217	-36.80
49 1,4-Difluorobenze	685783	342892	1371566	440361	-35.79
66 Chlorobenzene-D5	571710	285855	1143420	383683	-32.89
91 1,4-Dichlorobenze	309249	154625	618498	198769	-35.73

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	6.48	5.98	6.98	6.44	-0.60
49 1,4-Difluorobenze	7.69	7.19	8.19	7.65	-0.51
66 Chlorobenzene-D5	11.61	11.11	12.11	11.60	-0.03
91 1,4-Dichlorobenze	14.66	14.16	15.16	14.66	-0.03

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.

Data File: \\Target_server\GC\chem\gcms-f.i\F012108B.b\F8754.D
Date : 21-JAN-2008 19:25
Client ID: AWD-SW-DUP1
Sample Info: SB0230-5

Instrument: gcms-f.i



Standards Data Section

FORM 6
VOLATILE INITIAL CALIBRATION DATA

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project CTO 426 NLON SDG No.: CTO426-1

Instrument ID: GCMS-F Calibration Date(s): 01/21/08 01/21/08

Column: RTX-VMS ID: 0.18 (mm) Calibration Time(s): 1004 1258

LAB FILE ID: RF1: F8742 RF5: F8741 RF20: F8740
RF50: F8737 RF100: F8739 RF200: F8738

COMPOUND	RF1	RF5	RF20	RF50	RF100	RF200	CURVE	COEFF. A1	%RSD OR R^2	MAX %RSD OR R^2
Methyl tert-butyl ether	1.100	0.993	1.101	1.044	1.071	1.111	AVRG	1.06987279	4.210	15.000
Benzene	1.339	1.390	1.412	1.411	1.434	1.472	AVRG	1.40983321	3.155	15.000
Toluene	0.899	0.879	0.892	0.838	0.908	0.887	AVRG	0.88383070	2.759	15.000
Ethylbenzene	0.588	0.598	0.569	0.514	0.568	0.568	AVRG	0.56756405	5.150	15.000
Xylenes (total)							AVRG			0.000
m+p-Xylenes	0.700	0.719	0.737	0.714	0.755	0.706	AVRG	0.72181169	2.855	15.000
o-Xylene	0.680	0.717	0.687	0.677	0.738	0.692	AVRG	0.69849762	3.449	15.000
Isopropylbenzene	3.013	3.061	2.931	2.667	2.866	3.199	AVRG	2.95606475	6.156	15.000
Naphthalene	1.152	1.078	0.994	0.803	0.972	1.050	AVRG	1.00835070	11.814	15.000
Dibromofluoromethane	0.520	0.493	0.498	0.491	0.498	0.494	AVRG	0.49898934	2.149	15.000
1,2-Dichloroethane-D4	0.652	0.579	0.538	0.581	0.572	0.582	AVRG	0.58421396	6.388	15.000
Toluene-D8	1.305	1.203	1.201	1.198	1.234	1.250	AVRG	1.23179307	3.367	15.000
P-Bromofluorobenzene	0.588	0.505	0.483	0.505	0.523	0.484	AVRG	0.51468108	7.584	15.000

Average %RSD test result.

Calculate Average %RSD: 7.393917084
Maximum Average %RSD: 15.00000000

Note: Passes Average %RSD Test.

Data File: \\Target_server\GG\chem\gcms-f.i\F012108B.b\F8737.D
Report Date: 21-Jan-2008 15:50

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gcms-f.i\F012108B.b\F8737.D
Lab Smp Id: VSTD050F21C
Inj Date : 21-JAN-2008 10:04 MS Autotune Date: 01-JAN-1990 15:3
Operator : JSS Inst ID: gcms-f.i
Smp Info : VSTD050F21C
Misc Info : SW846 8260B
Comment :
Method : \\Target_server\GG\chem\gcms-f.i\F012108B.b\F826a99.m
Meth Date : 21-Jan-2008 13:26 jprescott Quant Type: ISTD
Cal Date : 21-JAN-2008 10:04 Cal File: F8737.D
Als bottle: 10 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.12

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	sample purged
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	ON-COL (ug/l)	
1 Dichlorodifluoromethane	85	1.476	1.477	(0.228)	359261	50.0000		(a)
2 Chloromethane	50	1.615	1.628	(0.249)	362222	50.0000		(a)
3 Vinyl chloride	62	1.673	1.674	(0.258)	303145	50.0000		(a)
4 Bromomethane	94	1.917	1.918	(0.296)	185930	50.0000		(a)
5 Chloroethane	64	2.010	2.011	(0.310)	133087	50.0000		(a)
6 Trichlorofluoromethane	101	2.114	2.115	(0.326)	424715	50.0000		(a)
7 Diethyl Ether	59	2.358	2.359	(0.364)	153839	50.0000		(a)
8 Tertiary-butyl alcohol	59	3.484	3.497	(0.538)	54976	250.000		(a)
9 1,1-Dichloroethene	96	2.509	2.522	(0.387)	210164	50.0000		(a)
10 Carbon Disulfide	76	2.532	2.533	(0.391)	613400	50.0000		(a)
11 Freon-113	151	2.555	2.556	(0.395)	149247	50.0000		(a)
12 Iodomethane	142	2.637	2.638	(0.407)	308595	50.0000		(a)
13 Acrolein	56	2.834	2.835	(0.437)	139180	250.000		(a)
14 Methylene Chloride	84	3.043	3.044	(0.470)	230416	50.0000		(a)
15 Acetone	43	3.136	3.137	(0.484)	304031	250.000		(aM)
16 Isobutyl Alcohol	43	7.047	7.036	(1.088)	101522	1000.00		(a)
17 trans-1,2-Dichloroethene	96	3.205	3.206	(0.495)	238716	50.0000		(a)
18 Allyl Chloride	41	2.938	2.939	(0.454)	414320	50.0000		(a)
19 Methyl tert-butyl ether	73	3.333	3.346	(0.515)	1117384	100.000		(a)
20 Acetonitrile	39	3.600	3.601	(0.556)	33394	500.000		(a)
21 Di-isopropyl ether	45	3.786	3.787	(0.584)	1005209	50.0000		(a)
22 Chloroprene	53	3.855	3.868	(0.595)	432162	50.0000		(a)
23 Propionitrile	54	6.304	6.317	(0.973)	257312	500.000		(a)
24 Methacrylonitrile	41	6.304	6.340	(0.973)	1820707	500.000		(a)

F012108 M10

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	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)	
	25 1,1-Dichloroethane	63	3.890	3.903	(0.601)	455397	50.0000		(a)
	26 Acrylonitrile	52	3.995	4.006	(0.617)	363600	250.000		(a)
	27 Ethyl tertiary-butyl ether	59	4.261	4.263	(0.658)	812908	50.0000		(a)
	28 Vinyl Acetate	43	4.273	4.274	(0.556)	732747	50.0000		(a)
	29 cis-1,2-Dichloroethene	96	4.633	4.634	(0.715)	286188	50.0000		(a)
M	30 1,2-Dichloroethylene (total)	96				524904	50.0000		(a)
	31 Methyl Methacrylate	41	9.148	9.149	(1.190)	236837	50.0000		(a)
	32 2,2-Dichloropropane	77	4.784	4.796	(0.738)	380752	50.0000		(a)
	33 Bromochloromethane	128	4.935	4.936	(0.762)	110231	50.0000		(a)
	34 Chloroform	83	5.086	5.087	(0.785)	451498	50.0000		(a)
	35 Carbon Tetrachloride	117	5.260	5.261	(0.684)	323462	50.0000		(a)
	36 Tetrahydrofuran	42	5.376	5.365	(0.830)	331320	250.000		(a)
$	37 Dibromofluoromethane	113	5.399	5.412	(0.833)	262621	50.0000		(a)
	38 1,1,1-Trichloroethane	97	5.399	5.400	(0.833)	394618	50.0000		(a)
	39 1,1-Dichloropropene	75	5.631	5.632	(0.733)	335207	50.0000		(a)
	40 2-Butanone	43	5.701	5.713	(0.880)	579109	250.000		(a)
	41 Benzene	78	6.118	6.131	(0.796)	967861	50.0000		(a)
*	42 Pentafluorobenzene	168	6.478	6.491	(1.000)	535128	50.0000		
	43 Cyclohexane	56	4.888	4.901	(0.755)	334426	50.0000		(a)
	44 Ethyl Methacrylate	69	10.761	10.762	(1.400)	269076	50.0000		(a)
$	45 1,2-Dichloroethane-D4	65	6.443	6.456	(0.995)	311033	50.0000		(a)
	46 Tertiary-amyl methyl ether	73	6.513	6.526	(1.005)	616721	50.0000		(a)
	47 1,2-Dichloroethane	62	6.594	6.607	(0.858)	367088	50.0000		(a)
	48 Trichloroethene	95	7.511	7.512	(0.977)	270711	50.0000		(a)
*	49 1,4-Difluorobenzene	114	7.685	7.686	(1.000)	685783	50.0000		
	50 Dibromomethane	93	8.393	8.394	(1.092)	159988	50.0000		(a)
	51 1,2-Dichloropropane	63	8.591	8.603	(1.118)	228615	50.0000		(a)
	52 Bromodichloromethane	83	8.765	8.777	(1.140)	361788	50.0000		(a)
	53 cis-1,3-dichloropropene	75	9.705	9.717	(1.263)	384230	50.0000		(a)
	54 1,4-Dioxane	88	9.159	9.149	(1.192)	30087	1000.00		(aM)
$	55 Toluene-D8	98	9.937	9.938	(1.293)	821303	50.0000		(a)
	56 2-Chloroethylvinylether	63	9.705	9.706	(1.263)	134695	50.0000		(a)
	57 Toluene	92	9.995	9.996	(1.301)	574957	50.0000		(a)
	58 4-methyl-2-pentanone	43	10.506	10.507	(1.367)	1176537	250.000		(a)
	59 Tetrachloroethene	164	10.413	10.425	(0.897)	195280	50.0000		(a)
	60 trans-1,3-Dichloropropene	75	10.517	10.530	(1.368)	332897	50.0000		(a)
	61 1,1,2-Trichloroethane	83	10.668	10.681	(1.388)	175860	50.0000		(a)
	62 Dibromochloromethane	129	10.842	10.843	(0.934)	239120	50.0000		(a)
	63 1,3-Dichloropropane	76	10.935	10.948	(0.942)	323237	50.0000		(a)
	64 1,2-Dibromoethane	107	11.039	11.040	(1.436)	232932	50.0000		(a)
	65 2-Hexanone	43	11.388	11.389	(0.981)	841289	250.000		(a)
*	66 Chlorobenzene-D5	117	11.608	11.621	(1.000)	571710	50.0000		
	67 Chlorobenzene	112	11.631	11.632	(1.002)	601561	50.0000		(a)
	152 1-Chlorohexane	91	11.701	11.702	(1.806)	1328294	50.0000		(a)
	68 Ethylbenzene	106	11.701	11.702	(1.008)	293756	50.0000		(a)
	69 1,1,1,2-Tetrachloroethane	131	11.724	11.737	(1.010)	204591	50.0000		(a)
M	70 Xylenes (total)	106				1203801	150.000		(a)
	71 m+p-Xylenes	106	11.875	11.888	(1.023)	816760	100.000		(a)
	72 o-Xylene	106	12.397	12.410	(1.068)	387041	50.0000		(a)
	73 Styrene	104	12.479	12.480	(1.075)	692991	50.0000		(a)
	74 Bromoform	173	12.467	12.480	(1.074)	188901	50.0000		(a)
	75 Isopropylbenzene	105	12.815	12.816	(0.874)	824733	50.0000		(a)
$	76 P-Bromofluorobenzene	95	13.163	13.164	(1.713)	346167	50.0000		(a)
	77 cis-1,4-Dichloro-2-Butene	53	13.279	13.292	(0.906)	85429	50.0000		(a)

MQ

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Report Date: 21-Jan-2008 15:50

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)	
78 trans-1,4-Dichloro-2-Butene	53	13.709	13.710	(0.935)	83278	50.0000		(a)
79 Bromobenzene	156	13.268	13.269	(0.905)	260246	50.0000		(a)
80 N-Propylbenzene	91	13.361	13.362	(0.911)	1158920	50.0000		(a)
81 1,1,2,2-Tetrachloroethane	83	13.477	13.489	(0.919)	254736	50.0000		(a)
82 1,3,5-Trimethylbenzene	105	13.639	13.652	(0.930)	768597	50.0000		(a)
83 2-Chlorotoluene	91	13.535	13.536	(0.923)	729626	50.0000		(a)
84 1,2,3-Trichloropropane	75	13.616	13.629	(0.929)	195131	50.0000		(a)
85 4-Chlorotoluene	91	13.755	13.768	(0.938)	789218	50.0000		(a)
86 tert-Butylbenzene	119	14.057	14.058	(0.959)	695075	50.0000		(a)
87 Pentachloroethane	117	14.057	14.058	(0.959)	180438	50.0000		(a)
88 1,2,4-Trimethylbenzene	105	14.150	14.162	(0.965)	829189	50.0000		(a)
89 P-Isopropyltoluene	119	14.510	14.522	(0.990)	629803	50.0000		(a)
90 1,3-Dichlorobenzene	146	14.556	14.557	(0.993)	433104	50.0000		(a)
* 91 1,4-Dichlorobenzene-D4	152	14.661	14.662	(1.000)	309249	50.0000		
92 1,4-Dichlorobenzene	146	14.684	14.685	(1.002)	461874	50.0000		(a)
93 N-Butylbenzene	91	15.090	15.103	(1.029)	675829	50.0000		(a)
94 sec-Butylbenzene	105	14.289	14.302	(0.975)	907831	50.0000		(a)
95 1,2-Dichlorobenzene	146	15.252	15.265	(1.040)	412622	50.0000		(a)
96 1,2-Dibromo-3-Chloropropane	75	16.413	16.414	(1.120)	38328	50.0000		(a)
97 1,3,5-Trichlorobenzene	180	16.459	16.472	(1.123)	303312	50.0000		(a)
98 Hexachlorobutadiene	225	17.400	17.412	(1.187)	109533	50.0000		(a)
99 1,2,4-Trichlorobenzene	180	17.411	17.424	(1.188)	208405	50.0000		(a)
100 1,2,3-Trimethylbenzene	105	14.742	14.754	(1.006)	829621	50.0000		(a)
101 Naphthalene	128	17.887	17.900	(1.220)	248362	50.0000		(a)
102 1,2,3-Trichlorobenzene	180	18.166	18.167	(1.239)	128562	50.0000		(a)
103 Methyl Acetate	43	3.252	3.253	(0.502)	199946	50.0000		(a)
104 Methylcyclohexane	83	7.430	7.431	(1.147)	268077	50.0000		(a)
M 153 Total Alkylbenzenes	100				5665244	50.0000		(a)

QC Flag Legend

a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).
M - Compound response manually integrated.

Data File: \\Target_server\GG\chem\gcms-f.i\F012108B.b\F8737.D
Report Date: 21-Jan-2008 15:50

Katahdin Analytical Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcms-f.i
Lab File ID: F8737.D
Lab Smp Id: VSTD050F21C
Analysis Type: VOA
Quant Type: ISTD
Operator: JSS
Method File: \\Target_server\GG\chem\gcms-f.i\F012108B.b\F826a99.m
Misc Info: SW846 8260B

Calibration Date: 21-JAN-2008
Calibration Time: 10:04

Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 4

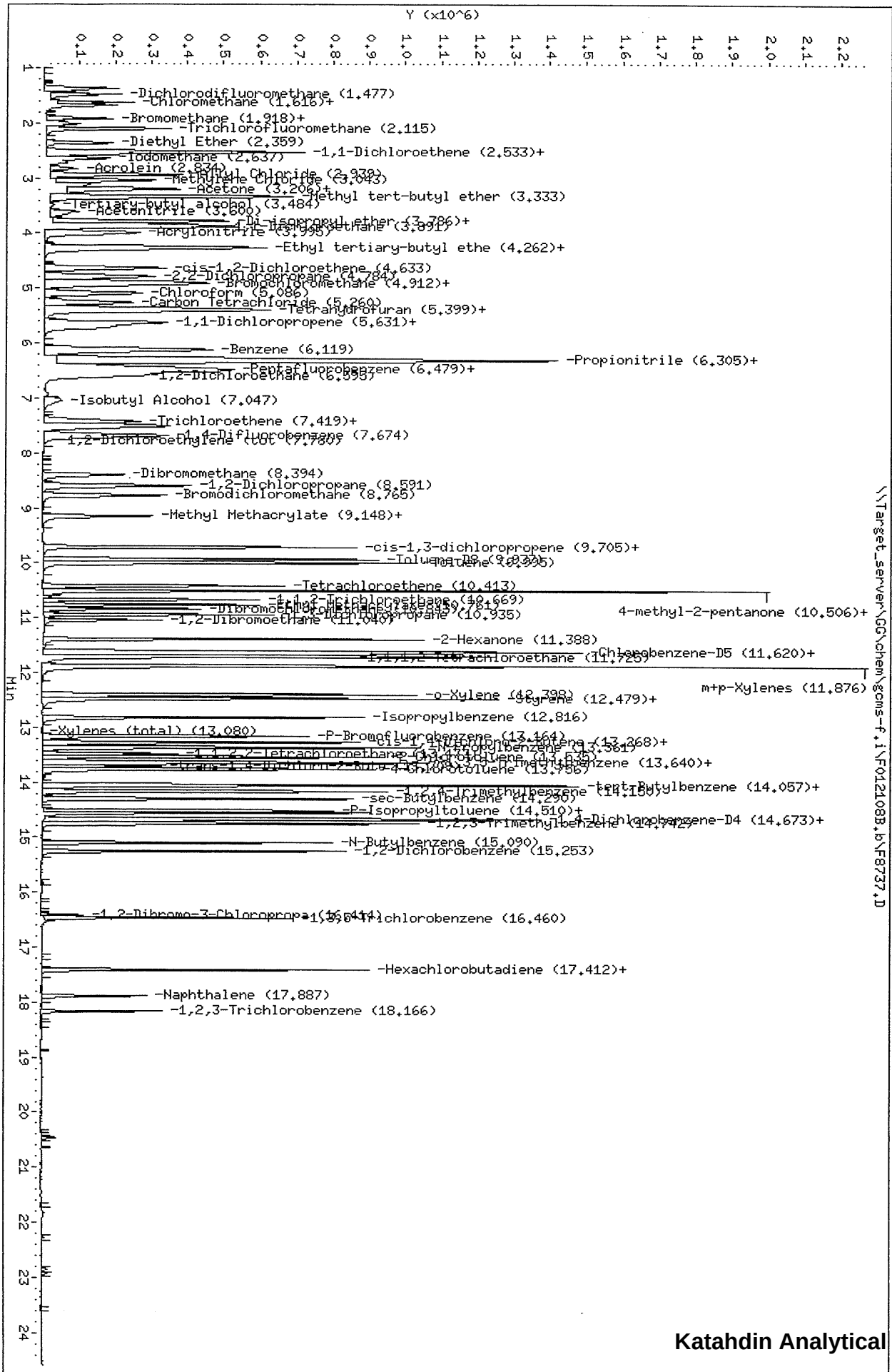
COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	535128	267564	1070256	535128	0.00
49 1,4-Difluorobenze	685783	342892	1371566	685783	0.00
66 Chlorobenzene-D5	571710	285855	1143420	571710	0.00
91 1,4-Dichlorobenze	309249	154625	618498	309249	0.00

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	6.48	5.98	6.98	6.48	0.00
49 1,4-Difluorobenze	7.69	7.19	8.19	7.69	0.00
66 Chlorobenzene-D5	11.61	11.11	12.11	11.61	0.00
91 1,4-Dichlorobenze	14.66	14.16	15.16	14.66	0.00

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.

Data File: \\Target_server\GG\chem\gcms-f.i\F012108B.b\F8737.D
Date : 21-JAN-2008 10:04
Client ID:
Sample Info: VSTD050F24C
Purge Volume: 5.0
Column phase: RTX-VMS

Instrument: gcms-f.i
Operator: JSS
Column diameter: 0.18



Data File: \\Target_server\GG\chem\gcms-f.i\F012108B.b\F8738.D
Report Date: 21-Jan-2008 15:50

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gcms-f.i\F012108B.b\F8738.D
Lab Smp Id: VSTD200F21A
Inj Date : 21-JAN-2008 10:55 MS Autotune Date: 01-JAN-1990 15:37
Operator : JSS Inst ID: gcms-f.i
Smp Info : VSTD200F21A
Misc Info : SW846 8260B
Comment :
Method : \\Target_server\GG\chem\gcms-f.i\F012108B.b\F826a99.m
Meth Date : 21-Jan-2008 13:26 jprescott Quant Type: ISTD
Cal Date : 21-JAN-2008 10:55 Cal File: F8738.D
Als bottle: 11 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.12
Processing Host: TARGET06

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	sample purged
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	ON-COL (ug/l)
1 Dichlorodifluoromethane	85	1.477	1.477	(0.228)	1594962	200.000	210(A)
2 Chloromethane	50	1.627	1.628	(0.251)	1704270	200.000	217(A)
3 Vinyl chloride	62	1.674	1.674	(0.258)	1346286	200.000	210(A)
4 Bromomethane	94	1.918	1.918	(0.296)	796198	200.000	212(A)
5 Chloroethane	64	2.010	2.011	(0.310)	503993	200.000	198
6 Trichlorofluoromethane	101	2.115	2.115	(0.326)	1854240	200.000	209(A)
7 Diethyl Ether	59	2.359	2.359	(0.363)	642372	200.000	203(A)
8 Tertiary-butyl alcohol	59	3.496	3.497	(0.539)	223725	1000.00	931
9 1,1-Dichloroethene	96	2.521	2.522	(0.388)	921257	200.000	206(A)
10 Carbon Disulfide	76	2.533	2.533	(0.390)	2687792	200.000	205(A)
11 Freon-113	151	2.556	2.556	(0.394)	644195	200.000	206(A)
12 Iodomethane	142	2.637	2.638	(0.406)	1273243	200.000	198
13 Acrolein	56	2.834	2.835	(0.437)	619431	1000.00	1060(A)
14 Methylene Chloride	84	3.043	3.044	(0.469)	998158	200.000	208(A)
15 Acetone	43	3.136	3.137	(0.483)	1433195	1000.00	1040(A)
16 Isobutyl Alcohol	43	7.036	7.036	(1.084)	442514	4000.00	3820
17 trans-1,2-Dichloroethene	96	3.206	3.206	(0.494)	1001912	200.000	203(A)
18 Allyl Chloride	41	2.939	2.939	(0.453)	1794140	200.000	207(A)
19 Methyl tert-butyl ether	73	3.345	3.346	(0.515)	4884421	400.000	413(A)
20 Acetonitrile	39	3.600	3.601	(0.555)	89125	2000.00	1280
21 Di-isopropyl ether	45	3.786	3.787	(0.583)	4270273	200.000	204(A)
22 Chloroprene	53	3.867	3.868	(0.596)	1883681	200.000	210(A)
23 Propionitrile	54	6.316	6.317	(0.973)	1083029	2000.00	2000

Data File: \\Target_server\GG\chem\gcms-f.i\F012108B.b\F8738.D
Report Date: 21-Jan-2008 15:50

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)
	24 Methacrylonitrile	41	6.340	6.340	(0.977)	7648874	2000.00	2020(A)
	25 1,1-Dichloroethane	63	3.902	3.903	(0.601)	1984781	200.000	209(A)
	26 Acrylonitrile	52	4.007	4.006	(0.617)	1647600	1000.00	1060(A)
	27 Ethyl tertiary-butyl ether	59	4.262	4.263	(0.657)	3332177	200.000	203(A)
	28 Vinyl Acetate	43	4.274	4.274	(0.556)	3089331	200.000	201(A)
	29 cis-1,2-Dichloroethene	96	4.633	4.634	(0.714)	1228953	200.000	206(A)
M	30 1,2-Dichloroethylene (total)	96				2230865	200.000	409
	31 Methyl Methacrylate	41	9.148	9.149	(1.190)	1071014	200.000	212(A)
	32 2,2-Dichloropropane	77	4.796	4.796	(0.739)	1689593	200.000	209(A)
	33 Bromochloromethane	128	4.935	4.936	(0.760)	483492	200.000	208(A)
	34 Chloroform	83	5.086	5.087	(0.784)	2003959	200.000	206(A)
	35 Carbon Tetrachloride	117	5.260	5.261	(0.684)	1383376	200.000	202(A)
	36 Tetrahydrofuran	42	5.365	5.365	(0.827)	1400629	1000.00	1010(A)
$	37 Dibromofluoromethane	113	5.411	5.412	(0.834)	1085802	200.000	200
	38 1,1,1-Trichloroethane	97	5.399	5.400	(0.832)	1751737	200.000	209(A)
	39 1,1-Dichloropropene	75	5.632	5.632	(0.733)	1535568	200.000	210(A)
	40 2-Butanone	43	5.713	5.713	(0.880)	2643530	1000.00	1030(A)
	41 Benzene	78	6.131	6.131	(0.798)	4135910	200.000	204(A)
*	42 Pentafluorobenzene	168	6.490	6.491	(1.000)	549619	50.0000	
	43 Cyclohexane	56	4.900	4.901	(0.755)	1468625	200.000	210(A)
	44 Ethyl Methacrylate	69	10.761	10.762	(1.400)	1095596	200.000	200(A)
$	45 1,2-Dichloroethane-D4	65	6.456	6.456	(0.995)	1280177	200.000	201(A)
	46 Tertiary-amyl methyl ether	73	6.525	6.526	(1.005)	2680170	200.000	204(A)
	47 1,2-Dichloroethane	62	6.606	6.607	(0.860)	1635214	200.000	206(A)
	48 Trichloroethene	95	7.512	7.512	(0.977)	1174161	200.000	209(A)
*	49 1,4-Difluorobenzene	114	7.686	7.686	(1.000)	702343	50.0000	
	50 Dibromomethane	93	8.394	8.394	(1.092)	719033	200.000	209(A)
	51 1,2-Dichloropropane	63	8.603	8.603	(1.119)	969639	200.000	202(A)
	52 Bromodichloromethane	83	8.777	8.777	(1.142)	1583927	200.000	207(A)
	53 cis-1,3-dichloropropene	75	9.717	9.717	(1.264)	1741235	200.000	211(A)
	54 1,4-Dioxane	88	9.148	9.149	(1.190)	87441	4000.00	2630
$	55 Toluene-D8	98	9.937	9.938	(1.293)	3512562	200.000	204(A)
	56 2-Chloroethylvinylether	63	9.705	9.706	(1.263)	619213	200.000	211(A)
	57 Toluene	92	9.995	9.996	(1.300)	2491200	200.000	202(A)
	58 4-methyl-2-pentanone	43	10.506	10.507	(1.367)	5075920	1000.00	1010(A)
	59 Tetrachloroethene	164	10.425	10.425	(0.897)	872468	200.000	206(A)
	60 trans-1,3-Dichloropropene	75	10.529	10.530	(1.370)	1488287	200.000	206(A)
	61 1,1,2-Trichloroethane	83	10.680	10.681	(1.390)	787134	200.000	208(A)
	62 Dibromochloromethane	129	10.843	10.843	(0.933)	1055402	200.000	200(A)
	63 1,3-Dichloropropane	76	10.947	10.948	(0.942)	1498876	200.000	210(A)
	64 1,2-Dibromoethane	107	11.040	11.040	(1.436)	1025614	200.000	208(A)
	65 2-Hexanone	43	11.388	11.389	(0.980)	3724114	1000.00	1010(A)
*	66 Chlorobenzene-D5	117	11.620	11.621	(1.000)	597183	50.0000	
	67 Chlorobenzene	112	11.632	11.632	(1.001)	2607384	200.000	203(A)
	152 1-Chlorohexane	91	11.701	11.702	(1.803)	6104858	200.000	212(A)
	68 Ethylbenzene	106	11.701	11.702	(1.007)	1357428	200.000	207(A)
	69 1,1,1,2-Tetrachloroethane	131	11.736	11.737	(1.010)	964424	200.000	208(A)
M	70 Xylenes (total)	106				5024575	600.000	586
	71 m+p-Xylenes	106	11.887	11.888	(1.023)	3372181	400.000	389
	72 o-Xylene	106	12.409	12.410	(1.068)	1652394	200.000	197
	73 Styrene	104	12.479	12.480	(1.074)	2982130	200.000	198
	74 Bromoform	173	12.479	12.480	(1.074)	832077	200.000	200(A)
	75 Isopropylbenzene	105	12.816	12.816	(0.874)	3917717	200.000	220(A)
$	76 P-Bromofluorobenzene	95	13.164	13.164	(1.713)	1358723	200.000	192

Data File: \\Target_server\GG\chem\gcms-f.i\F012108B.b\F8738.D
Report Date: 21-Jan-2008 15:50

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)
77 cis-1,4-Dichloro-2-Butene	53	13.292	13.292	(0.907)	374391	200.000	208(A)
78 trans-1,4-Dichloro-2-Butene	53	13.709	13.710	(0.935)	377155	200.000	209(A)
79 Bromobenzene	156	13.268	13.269	(0.905)	1104737	200.000	201(A)
80 N-Propylbenzene	91	13.361	13.362	(0.911)	5148758	200.000	211(A)
81 1,1,2,2-Tetrachloroethane	83	13.489	13.489	(0.920)	1092659	200.000	207(A)
82 1,3,5-Trimethylbenzene	105	13.651	13.652	(0.931)	3509051	200.000	211(A)
83 2-Chlorotoluene	91	13.535	13.536	(0.923)	3205331	200.000	211(A)
84 1,2,3-Trichloropropane	75	13.628	13.629	(0.930)	840305	200.000	204(A)
85 4-Chlorotoluene	91	13.767	13.768	(0.939)	3259443	200.000	201(A)
86 tert-Butylbenzene	119	14.058	14.058	(0.959)	2704229	200.000	198
87 Pentachloroethane	117	14.058	14.058	(0.959)	711596	200.000	202(A)
88 1,2,4-Trimethylbenzene	105	14.162	14.162	(0.966)	3543660	200.000	203(A)
89 P-Isopropyltoluene	119	14.522	14.522	(0.991)	2803714	200.000	210(A)
90 1,3-Dichlorobenzene	146	14.557	14.557	(0.993)	1856721	200.000	204(A)
* 91 1,4-Dichlorobenzene-D4	152	14.661	14.662	(1.000)	306193	50.0000	
92 1,4-Dichlorobenzene	146	14.684	14.685	(1.002)	1867654	200.000	202(A)
93 N-Butylbenzene	91	15.102	15.103	(1.030)	2870870	200.000	206(A)
94 sec-Butylbenzene	105	14.301	14.302	(0.975)	3754256	200.000	202(A)
95 1,2-Dichlorobenzene	146	15.265	15.265	(1.041)	1811292	200.000	210(A)
96 1,2-Dibromo-3-Chloropropane	75	16.414	16.414	(1.120)	152632	200.000	192
97 1,3,5-Trichlorobenzene	180	16.472	16.472	(1.123)	1280045	200.000	208(A)
98 Hexachlorobutadiene	225	17.412	17.412	(1.188)	450577	200.000	204(A)
99 1,2,4-Trichlorobenzene	180	17.423	17.424	(1.188)	1006007	200.000	218(A)
100 1,2,3-Trimethylbenzene	105	14.754	14.754	(1.006)	3332212	200.000	203(A)
101 Naphthalene	128	17.899	17.900	(1.221)	1286278	200.000	223(A)
102 1,2,3-Trichlorobenzene	180	18.166	18.167	(1.239)	606139	200.000	213(A)
103 Methyl Acetate	43	3.252	3.253	(0.501)	829693	200.000	205(A)
104 Methylcyclohexane	83	7.430	7.431	(1.145)	1188257	200.000	214(A)
M 153 Total Alkylbenzenes	100				24334538	200.000	1440

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.

Data File: \\Target_server\GG\chem\gcms-f.i\F012108B.b\F8738.D
Report Date: 21-Jan-2008 15:50

Katahdin Analytical Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcms-f.i
Lab File ID: F8738.D
Lab Smp Id: VSTD200F21A
Analysis Type: VOA
Quant Type: ISTD
Operator: JSS
Method File: \\Target_server\GG\chem\gcms-f.i\F012108B.b\F826a99.m
Misc Info: SW846 8260B

Calibration Date: 21-JAN-2008
Calibration Time: 10:04

Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 4

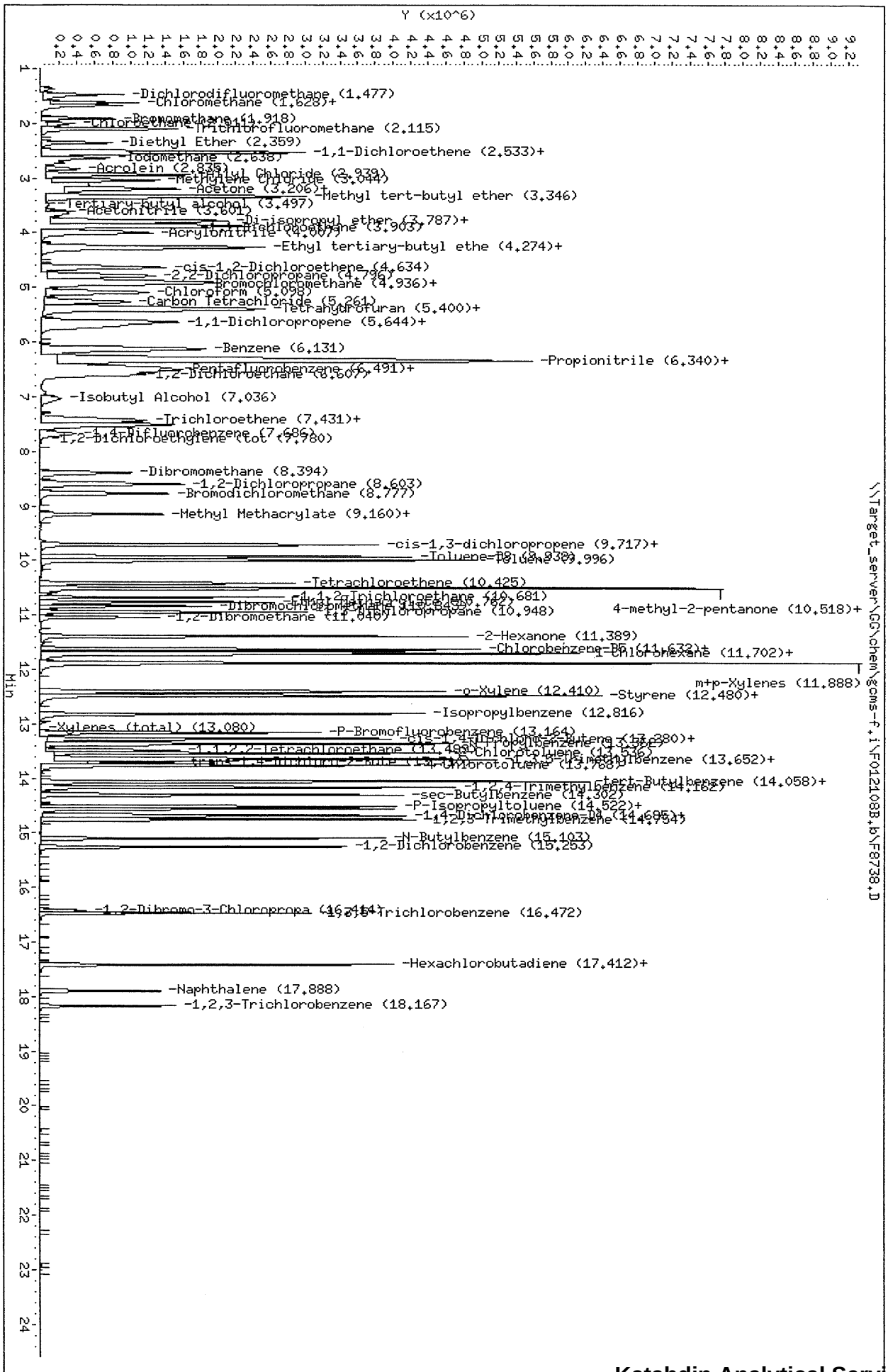
COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	535128	267564	1070256	549619	2.71
49 1,4-Difluorobenze	685783	342892	1371566	702343	2.41
66 Chlorobenzene-D5	571710	285855	1143420	597183	4.46
91 1,4-Dichlorobenze	309249	154625	618498	306193	-0.99

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	6.48	5.98	6.98	6.49	0.19
49 1,4-Difluorobenze	7.69	7.19	8.19	7.69	0.01
66 Chlorobenzene-D5	11.61	11.11	12.11	11.62	0.10
91 1,4-Dichlorobenze	14.66	14.16	15.16	14.66	0.00

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.

Data File: \\Target_server\GC\chem\gcms-f.i\F012108B.b\F8738.D
Date : 21-JAN-2008 10:55
Client ID:
Sample Info: VSTD200F21A
Purge Volume: 5.0
Column phase: RTX-VMS

Instrument: gcms-f.i
Operator: JSS
Column diameter: 0.18



Data File: \\Target_server\GG\chem\gcms-f.i\F012108B.b\F8739.D
Report Date: 21-Jan-2008 15:50

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gcms-f.i\F012108B.b\F8739.D
Lab Smp Id: VSTD100F21A
Inj Date : 21-JAN-2008 11:25 MS Autotune Date: 01-JAN-1990 15:37
Operator : JSS Inst ID: gcms-f.i
Smp Info : VSTD100F21A
Misc Info : SW846 8260B
Comment :
Method : \\Target_server\GG\chem\gcms-f.i\F012108B.b\F826a99.m
Meth Date : 21-Jan-2008 13:26 jprescott Quant Type: ISTD
Cal Date : 21-JAN-2008 11:25 Cal File: F8739.D
Als bottle: 12 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.12
Processing Host: TARGET06

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	sample purged
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)
1 Dichlorodifluoromethane	85	1.472	1.477	(0.227)	712778	100.000	100
2 Chloromethane	50	1.623	1.628	(0.251)	728525	100.000	101
3 Vinyl chloride	62	1.681	1.674	(0.260)	599472	100.000	100
4 Bromomethane	94	1.913	1.918	(0.296)	331383	100.000	95.2
5 Chloroethane	64	2.006	2.011	(0.310)	225798	100.000	92.7
6 Trichlorofluoromethane	101	2.110	2.115	(0.326)	825915	100.000	99.5
7 Diethyl Ether	59	2.354	2.359	(0.364)	296891	100.000	99.1
8 Tertiary-butyl alcohol	59	3.491	3.497	(0.539)	129509	500.000	545
9 1,1-Dichloroethene	96	2.517	2.522	(0.389)	429758	100.000	102
10 Carbon Disulfide	76	2.528	2.533	(0.391)	1263403	100.000	102
11 Freon-113	151	2.551	2.556	(0.394)	297702	100.000	101
12 Iodomethane	142	2.633	2.638	(0.407)	628597	100.000	102
13 Acrolein	56	2.830	2.835	(0.437)	267613	500.000	495
14 Methylene Chloride	84	3.050	3.044	(0.471)	448099	100.000	99.5
15 Acetone	43	3.132	3.137	(0.484)	695229	500.000	538
16 Isobutyl Alcohol	43	7.043	7.036	(1.088)	252622	2000.00	2240
17 trans-1,2-Dichloroethene	96	3.201	3.206	(0.495)	467410	100.000	99.9
18 Allyl Chloride	41	2.934	2.939	(0.453)	817014	100.000	100
19 Methyl tert-butyl ether	73	3.341	3.346	(0.516)	2249863	200.000	202
20 Acetonitrile	39	3.607	3.601	(0.557)	90990	1000.00	1160
21 Di-isopropyl ether	45	3.782	3.787	(0.584)	1986120	100.000	100
22 Chloroprene	53	3.863	3.868	(0.597)	819451	100.000	98.3
23 Propionitrile	54	6.288	6.317	(0.971)	530833	1000.00	1020

Data File: \\Target_server\GG\chem\gcms-f.i\F012108B.b\F8739.D
Report Date: 21-Jan-2008 15:50

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)
	24 Methacrylonitrile	41	6.323	6.340	(0.977)	3647560	1000.00	1010
	25 1,1-Dichloroethane	63	3.886	3.903	(0.600)	877481	100.000	99.1
	26 Acrylonitrile	52	4.002	4.006	(0.618)	721880	500.000	503
	27 Ethyl tertiary-butyl ether	59	4.257	4.263	(0.658)	1513320	100.000	97.3
	28 Vinyl Acetate	43	4.281	4.274	(0.557)	1466324	100.000	102
	29 cis-1,2-Dichloroethene	96	4.629	4.634	(0.715)	561124	100.000	99.9
M	30 1,2-Dichloroethylene (total)	96				1028534	100.000	200
	31 Methyl Methacrylate	41	9.155	9.149	(1.192)	461244	100.000	101
	32 2,2-Dichloropropane	77	4.791	4.796	(0.740)	764114	100.000	101
	33 Bromochloromethane	128	4.931	4.936	(0.762)	217711	100.000	100
	34 Chloroform	83	5.093	5.087	(0.787)	941751	100.000	103
	35 Carbon Tetrachloride	117	5.256	5.261	(0.684)	650530	100.000	102
	36 Tetrahydrofuran	42	5.372	5.365	(0.830)	663361	500.000	505
$	37 Dibromofluoromethane	113	5.406	5.412	(0.835)	523115	100.000	101
	38 1,1,1-Trichloroethane	97	5.395	5.400	(0.833)	793249	100.000	101
	39 1,1-Dichloropropene	75	5.627	5.632	(0.733)	695811	100.000	104
	40 2-Butanone	43	5.708	5.713	(0.882)	1280592	500.000	530
	41 Benzene	78	6.126	6.131	(0.798)	1887942	100.000	101
*	42 Pentafluorobenzene	168	6.474	6.491	(1.000)	525306	50.0000	
	43 Cyclohexane	56	4.896	4.901	(0.756)	651591	100.000	99.6
	44 Ethyl Methacrylate	69	10.757	10.762	(1.400)	509818	100.000	99.4
$	45 1,2-Dichloroethane-D4	65	6.439	6.456	(0.995)	601330	100.000	99.2
	46 Tertiary-amyl methyl ether	73	6.509	6.526	(1.005)	1268301	100.000	102
	47 1,2-Dichloroethane	62	6.590	6.607	(0.858)	754992	100.000	103
	48 Trichloroethene	95	7.519	7.512	(0.979)	511279	100.000	99.2
*	49 1,4-Difluorobenzene	114	7.681	7.686	(1.000)	658122	50.0000	
	50 Dibromomethane	93	8.401	8.394	(1.094)	324219	100.000	103
	51 1,2-Dichloropropane	63	8.598	8.603	(1.119)	452845	100.000	102
	52 Bromodichloromethane	83	8.772	8.777	(1.142)	715489	100.000	101
	53 cis-1,3-dichloropropene	75	9.712	9.717	(1.264)	768898	100.000	102
	54 1,4-Dioxane	88	9.144	9.149	(1.190)	88297	2000.00	2420
$	55 Toluene-D8	98	9.933	9.938	(1.293)	1623653	100.000	101
	56 2-Chloroethylvinylether	63	9.701	9.706	(1.263)	277805	100.000	104
	57 Toluene	92	9.991	9.996	(1.301)	1194721	100.000	104
	58 4-methyl-2-pentanone	43	10.501	10.507	(1.367)	2413131	500.000	516
	59 Tetrachloroethene	164	10.420	10.425	(0.897)	386827	100.000	102
	60 trans-1,3-Dichloropropene	75	10.513	10.530	(1.369)	689539	100.000	104
	61 1,1,2-Trichloroethane	83	10.676	10.681	(1.390)	354553	100.000	102
	62 Dibromochloromethane	129	10.838	10.843	(0.933)	502149	100.000	105
	63 1,3-Dichloropropane	76	10.943	10.948	(0.942)	643839	100.000	103
	64 1,2-Dibromoethane	107	11.047	11.040	(1.438)	459552	100.000	101
	65 2-Hexanone	43	11.384	11.389	(0.980)	1733210	500.000	522
*	66 Chlorobenzene-D5	117	11.616	11.621	(1.000)	539823	50.0000	
	67 Chlorobenzene	112	11.627	11.632	(1.001)	1162817	100.000	101
	152 1-Chlorohexane	91	11.697	11.702	(1.807)	2748490	100.000	103
	68 Ethylbenzene	106	11.697	11.702	(1.007)	612748	100.000	105
	69 1,1,1,2-Tetrachloroethane	131	11.720	11.737	(1.009)	436877	100.000	106
M	70 Xylenes (total)	106				2426946	300.000	310
	71 m+p-Xylenes	106	11.883	11.888	(1.023)	1630176	200.000	206
	72 o-Xylene	106	12.405	12.410	(1.068)	796770	100.000	104
	73 Styrene	104	12.474	12.480	(1.074)	1417010	100.000	104
	74 Bromoform	173	12.474	12.480	(1.074)	395107	100.000	105
	75 Isopropylbenzene	105	12.823	12.816	(0.874)	1681774	100.000	104
$	76 P-Bromofluorobenzene	95	13.159	13.164	(1.713)	688553	100.000	102

Data File: \\Target_server\GG\chem\gcms-f.i\F012108B.b\F8739.D
Report Date: 21-Jan-2008 15:50

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)
	77 cis-1,4-Dichloro-2-Butene	53	13.287	13.292	(0.906)	176595	100.000	104
	78 trans-1,4-Dichloro-2-Butene	53	13.705	13.710	(0.934)	180893	100.000	107
	79 Bromobenzene	156	13.275	13.269	(0.905)	553176	100.000	106
	80 N-Propylbenzene	91	13.357	13.362	(0.911)	2357482	100.000	103
	81 1,1,2,2-Tetrachloroethane	83	13.484	13.489	(0.919)	511548	100.000	103
	82 1,3,5-Trimethylbenzene	105	13.647	13.652	(0.930)	1634343	100.000	106
	83 2-Chlorotoluene	91	13.531	13.536	(0.922)	1437270	100.000	102
	84 1,2,3-Trichloropropane	75	13.623	13.629	(0.929)	410145	100.000	105
	85 4-Chlorotoluene	91	13.763	13.768	(0.938)	1604363	100.000	103
	86 tert-Butylbenzene	119	14.053	14.058	(0.958)	1300788	100.000	99.3
	87 Pentachloroethane	117	14.053	14.058	(0.958)	330832	100.000	98.3
	88 1,2,4-Trimethylbenzene	105	14.157	14.162	(0.965)	1756402	100.000	105
	89 P-Isopropyltoluene	119	14.517	14.522	(0.990)	1305242	100.000	104
	90 1,3-Dichlorobenzene	146	14.552	14.557	(0.992)	897465	100.000	104
*	91 1,4-Dichlorobenzene-D4	152	14.668	14.662	(1.000)	293411	50.0000	
	92 1,4-Dichlorobenzene	146	14.680	14.685	(1.001)	886095	100.000	100
	93 N-Butylbenzene	91	15.097	15.103	(1.029)	1340282	100.000	102
	94 sec-Butylbenzene	105	14.297	14.302	(0.975)	1830570	100.000	103
	95 1,2-Dichlorobenzene	146	15.260	15.265	(1.040)	832962	100.000	103
	96 1,2-Dibromo-3-Chloropropane	75	16.409	16.414	(1.119)	82166	100.000	106
	97 1,3,5-Trichlorobenzene	180	16.467	16.472	(1.123)	579136	100.000	100
	98 Hexachlorobutadiene	225	17.407	17.412	(1.187)	212540	100.000	101
	99 1,2,4-Trichlorobenzene	180	17.419	17.424	(1.188)	448307	100.000	106
	100 1,2,3-Trimethylbenzene	105	14.749	14.754	(1.006)	1550822	100.000	99.2
	101 Naphthalene	128	17.895	17.900	(1.220)	570596	100.000	110
	102 1,2,3-Trichlorobenzene	180	18.173	18.167	(1.239)	283448	100.000	107
	103 Methyl Acetate	43	3.248	3.253	(0.502)	370502	100.000	97.1
	104 Methylcyclohexane	83	7.414	7.431	(1.145)	500170	100.000	97.4
M	153 Total Alkylbenzenes	100				11525109	100.000	724

Data File: \\Target_server\GG\chem\gcms-f.i\F012108B.b\F8739.D
Report Date: 21-Jan-2008 15:50

Katahdin Analytical Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcms-f.i
Lab File ID: F8739.D
Lab Smp Id: VSTD100F21A
Analysis Type: VOA
Quant Type: ISTD
Operator: JSS
Method File: \\Target_server\GG\chem\gcms-f.i\F012108B.b\F826a99.m
Misc Info: SW846 8260B

Calibration Date: 21-JAN-2008
Calibration Time: 10:04

Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 4

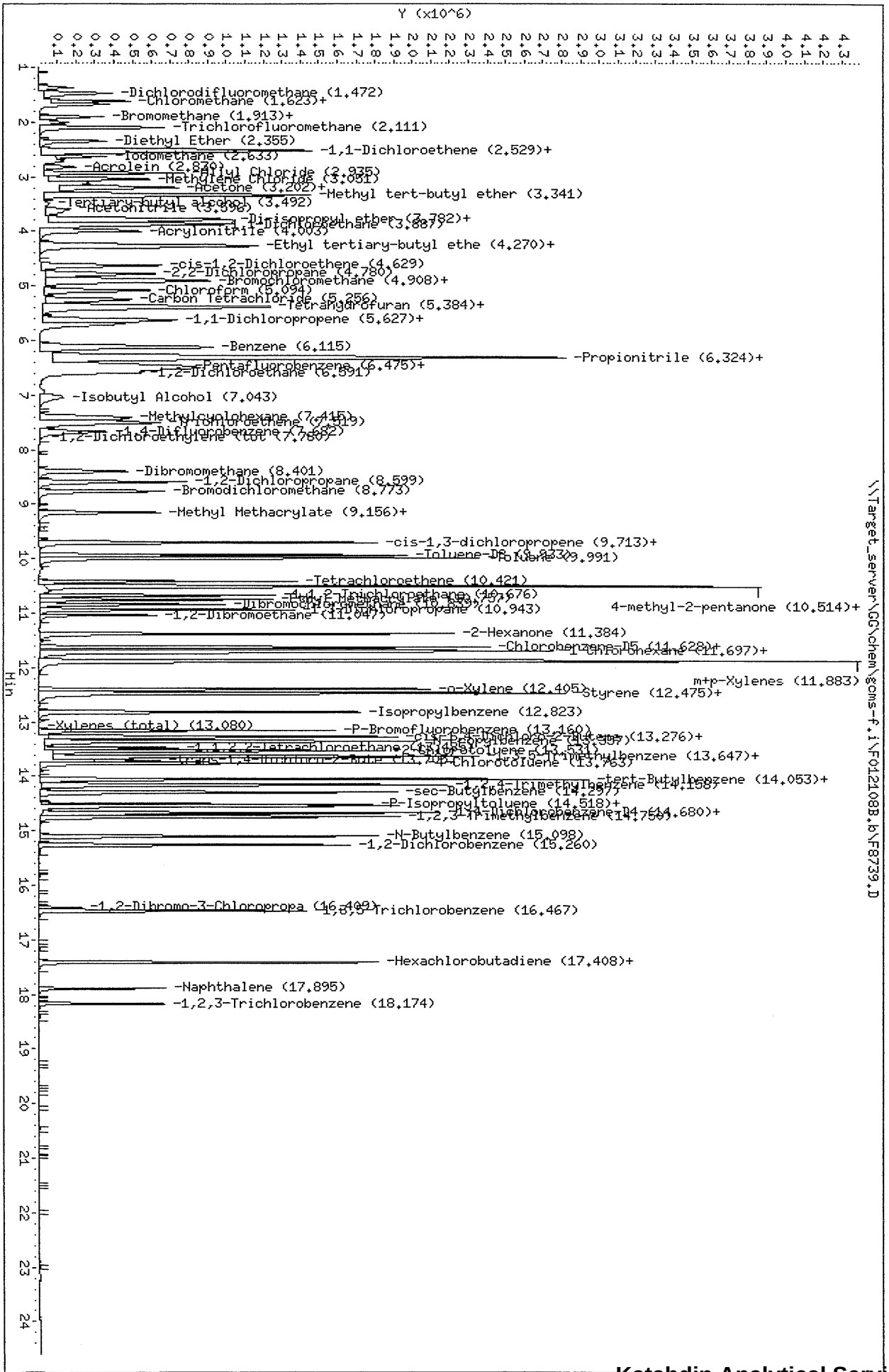
COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	535128	267564	1070256	525306	-1.84
49 1,4-Difluorobenze	685783	342892	1371566	658122	-4.03
66 Chlorobenzene-D5	571710	285855	1143420	539823	-5.58
91 1,4-Dichlorobenze	309249	154625	618498	293411	-5.12

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	6.48	5.98	6.98	6.47	-0.06
49 1,4-Difluorobenze	7.69	7.19	8.19	7.68	-0.05
66 Chlorobenzene-D5	11.61	11.11	12.11	11.62	0.07
91 1,4-Dichlorobenze	14.66	14.16	15.16	14.67	0.05

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.

Data File: \\Target_server\GC\chem\gcms-f.i\F012108B.b\F8739.D
Date : 21-JAN-2008 11:25
Client ID:
Sample Info: VSTD100F21A
Purge Volume: 5.0
Column phase: RTX-VMS

Instrument: gcms-f.i
Operator: JSS
Column diameter: 0.18



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Report Date: 21-Jan-2008 15:50

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gcms-f.i\F012108B.b\F8740.D
Lab Smp Id: VSTD020F21A
Inj Date : 21-JAN-2008 11:56 MS Autotune Date: 01-JAN-1990 15:37
Operator : JSS Inst ID: gcms-f.i
Smp Info : VSTD020F21A
Misc Info : SW846 8260B
Comment :
Method : \\Target_server\GG\chem\gcms-f.i\F012108B.b\F826a99.m
Meth Date : 21-Jan-2008 13:26 jprescott Quant Type: ISTD
Cal Date : 21-JAN-2008 11:56 Cal File: F8740.D
Als bottle: 13 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.12
Processing Host: TARGET05

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	sample purged
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)
1 Dichlorodifluoromethane	85	1.476	1.477	(0.228)	140320	20.0000	20.3
2 Chloromethane	50	1.616	1.628	(0.249)	136515	20.0000	19.6
3 Vinyl chloride	62	1.674	1.674	(0.258)	118604	20.0000	20.3
4 Bromomethane	94	1.917	1.918	(0.296)	70583	20.0000	20.4
5 Chloroethane	64	2.010	2.011	(0.310)	52626	20.0000	21.9
6 Trichlorofluoromethane	101	2.103	2.115	(0.325)	164906	20.0000	20.4
7 Diethyl Ether	59	2.358	2.359	(0.364)	59109	20.0000	20.6
8 Tertiary-butyl alcohol	59	3.496	3.497	(0.540)	34005	100.000	134
9 1,1-Dichloroethene	96	2.509	2.522	(0.387)	81611	20.0000	20.2
10 Carbon Disulfide	76	2.532	2.533	(0.391)	238963	20.0000	20.2
11 Freon-113	151	2.556	2.556	(0.395)	55899	20.0000	20.2
12 Iodomethane	142	2.637	2.638	(0.407)	122202	20.0000	21.4
13 Acrolein	56	2.834	2.835	(0.438)	51882	100.000	99.0
14 Methylene Chloride	84	3.043	3.044	(0.470)	88406	20.0000	20.1
15 Acetone	43	3.136	3.137	(0.484)	126794	100.000	100
16 Isobutyl Alcohol	43	7.036	7.036	(1.086)	57788	400.000	495 (M)
17 trans-1,2-Dichloroethene	96	3.194	3.206	(0.493)	92984	20.0000	20.7
18 Allyl Chloride	41	2.939	2.939	(0.454)	155344	20.0000	20.2
19 Methyl tert-butyl ether	73	3.333	3.346	(0.515)	426004	40.0000	41.4
20 Acetonitrile	39	3.600	3.601	(0.556)	17422	200.000	263
21 Di-isopropyl ether	45	3.786	3.787	(0.584)	378106	20.0000	20.6
22 Chloroprene	53	3.855	3.868	(0.595)	163374	20.0000	20.3
23 Propionitrile	54	6.270	6.317	(0.968)	100075	200.000	208

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Report Date: 21-Jan-2008 15:50

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)
	24 Methacrylonitrile	41	6.304	6.340	(0.973)	666618	200.000	203
	25 1,1-Dichloroethane	63	3.890	3.903	(0.601)	167244	20.0000	20.0
	26 Acrylonitrile	52	3.995	4.006	(0.617)	133530	100.000	100
	27 Ethyl tertiary-butyl ether	59	4.250	4.263	(0.656)	294054	20.0000	20.4
	28 Vinyl Acetate	43	4.273	4.274	(0.557)	267174	20.0000	19.5
	29 cis-1,2-Dichloroethene	96	4.633	4.634	(0.715)	107917	20.0000	20.4
M	30 1,2-Dichloroethylene (total)	96				200901	20.0000	41.1
	31 Methyl Methacrylate	41	9.148	9.149	(1.192)	87568	20.0000	19.6
	32 2,2-Dichloropropane	77	4.784	4.796	(0.738)	141369	20.0000	19.8
	33 Bromochloromethane	128	4.923	4.936	(0.760)	39956	20.0000	20.0
	34 Chloroform	83	5.086	5.087	(0.785)	173267	20.0000	20.2
	35 Carbon Tetrachloride	117	5.248	5.261	(0.684)	115213	20.0000	19.0
	36 Tetrahydrofuran	42	5.376	5.365	(0.830)	123444	100.000	101
$	37 Dibromofluoromethane	113	5.399	5.412	(0.833)	96483	20.0000	20.2
	38 1,1,1-Trichloroethane	97	5.387	5.400	(0.832)	148783	20.0000	20.0
	39 1,1-Dichloropropene	75	5.620	5.632	(0.732)	127701	20.0000	19.4
	40 2-Butanone	43	5.701	5.713	(0.880)	220540	100.000	97.9
	41 Benzene	78	6.119	6.131	(0.797)	358435	20.0000	19.8
*	42 Pentafluorobenzene	168	6.478	6.491	(1.000)	483803	50.0000	
	43 Cyclohexane	56	4.888	4.901	(0.755)	120366	20.0000	19.8
	44 Ethyl Methacrylate	69	10.761	10.762	(1.402)	100932	20.0000	20.7
$	45 1,2-Dichloroethane-D4	65	6.432	6.456	(0.993)	104141	20.0000	18.9
	46 Tertiary-amyl methyl ether	73	6.513	6.526	(1.005)	235277	20.0000	20.5
	47 1,2-Dichloroethane	62	6.583	6.607	(0.858)	134418	20.0000	19.2
	48 Trichloroethene	95	7.500	7.512	(0.977)	103439	20.0000	20.4
*	49 1,4-Difluorobenzene	114	7.674	7.686	(1.000)	634755	50.0000	
	50 Dibromomethane	93	8.393	8.394	(1.094)	59231	20.0000	19.3
	51 1,2-Dichloropropane	63	8.591	8.603	(1.119)	83047	20.0000	19.4
	52 Bromodichloromethane	83	8.765	8.777	(1.142)	136555	20.0000	19.8
	53 cis-1,3-dichloropropene	75	9.705	9.717	(1.265)	153525	20.0000	20.4
	54 1,4-Dioxane	88	9.148	9.149	(1.192)	39027	400.000	645
$	55 Toluene-D8	98	9.925	9.938	(1.293)	304989	20.0000	19.7
	56 2-Chloroethylvinylether	63	9.705	9.706	(1.265)	53753	20.0000	20.3
	57 Toluene	92	9.995	9.996	(1.302)	226604	20.0000	20.3
	58 4-methyl-2-pentanone	43	10.506	10.507	(1.369)	463881	100.000	102
	59 Tetrachloroethene	164	10.413	10.425	(0.897)	80001	20.0000	20.6
	60 trans-1,3-Dichloropropene	75	10.517	10.530	(1.371)	127658	20.0000	19.6
	61 1,1,2-Trichloroethane	83	10.668	10.681	(1.390)	64756	20.0000	19.3
	62 Dibromochloromethane	129	10.842	10.843	(0.934)	93254	20.0000	20.0
	63 1,3-Dichloropropane	76	10.935	10.948	(0.942)	122730	20.0000	19.5
	64 1,2-Dibromoethane	107	11.040	11.040	(1.439)	87754	20.0000	19.8
	65 2-Hexanone	43	11.388	11.389	(0.981)	327760	100.000	100
*	66 Chlorobenzene-D5	117	11.608	11.621	(1.000)	531546	50.0000	
	67 Chlorobenzene	112	11.632	11.632	(1.002)	237468	20.0000	20.4
	152 1-Chlorohexane	91	11.666	11.702	(1.801)	99071	20.0000	5.7(M)
	68 Ethylbenzene	106	11.690	11.702	(1.007)	121001	20.0000	20.2
	69 1,1,1,2-Tetrachloroethane	131	11.724	11.737	(1.010)	82826	20.0000	20.2
M	70 Xylenes (total)	106				459321	60.0000	60.1
	71 m+p-Xylenes	106	11.875	11.888	(1.023)	313322	40.0000	40.6
	72 o-Xylene	106	12.398	12.410	(1.068)	145999	20.0000	19.6
	73 Styrene	104	12.479	12.480	(1.075)	249471	20.0000	19.3
	74 Bromoform	173	12.467	12.480	(1.074)	69364	20.0000	19.4
	75 Isopropylbenzene	105	12.815	12.816	(0.874)	323896	20.0000	19.9
$	76 P-Bromofluorobenzene	95	13.164	13.164	(1.715)	122718	20.0000	19.3

M1 JLP 012108

Data File: \\Target_server\GG\chem\gcms-f.i\F012108B.b\F8740.D
Report Date: 21-Jan-2008 15:50

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)
77 cis-1,4-Dichloro-2-Butene	53	13.280	13.292	(0.906)	29611	20.0000	18.9
78 trans-1,4-Dichloro-2-Butene	53	13.709	13.710	(0.935)	32321	20.0000	19.9
79 Bromobenzene	156	13.268	13.269	(0.905)	98259	20.0000	19.7
80 N-Propylbenzene	91	13.361	13.362	(0.911)	431083	20.0000	19.6
81 1,1,2,2-Tetrachloroethane	83	13.477	13.489	(0.919)	97969	20.0000	20.2
82 1,3,5-Trimethylbenzene	105	13.639	13.652	(0.930)	293605	20.0000	19.5
83 2-Chlorotoluene	91	13.535	13.536	(0.923)	275899	20.0000	19.8
84 1,2,3-Trichloropropane	75	13.616	13.629	(0.929)	73291	20.0000	19.6
85 4-Chlorotoluene	91	13.755	13.768	(0.938)	285139	20.0000	19.3
86 tert-Butylbenzene	119	14.046	14.058	(0.958)	251515	20.0000	20.3
87 Pentachloroethane	117	14.057	14.058	(0.959)	61619	20.0000	19.7
88 1,2,4-Trimethylbenzene	105	14.162	14.162	(0.966)	300797	20.0000	19.2
89 P-Isopropyltoluene	119	14.510	14.522	(0.990)	243586	20.0000	20.0
90 1,3-Dichlorobenzene	146	14.545	14.557	(0.992)	157881	20.0000	19.2
* 91 1,4-Dichlorobenzene-D4	152	14.661	14.662	(1.000)	276299	50.0000	
92 1,4-Dichlorobenzene	146	14.684	14.685	(1.002)	168141	20.0000	19.9
93 N-Butylbenzene	91	15.102	15.103	(1.030)	245688	20.0000	19.3
94 sec-Butylbenzene	105	14.289	14.302	(0.975)	323057	20.0000	19.3
95 1,2-Dichlorobenzene	146	15.253	15.265	(1.040)	150015	20.0000	19.4
96 1,2-Dibromo-3-Chloropropane	75	16.413	16.414	(1.120)	14198	20.0000	19.4
97 1,3,5-Trichlorobenzene	180	16.460	16.472	(1.123)	111430	20.0000	19.5
98 Hexachlorobutadiene	225	17.400	17.412	(1.187)	47149	20.0000	21.4
99 1,2,4-Trichlorobenzene	180	17.411	17.424	(1.188)	86882	20.0000	20.2
100 1,2,3-Trimethylbenzene	105	14.742	14.754	(1.006)	299457	20.0000	20.0
101 Naphthalene	128	17.887	17.900	(1.220)	109874	20.0000	20.3
102 1,2,3-Trichlorobenzene	180	18.166	18.167	(1.239)	55063	20.0000	19.8
103 Methyl Acetate	43	3.240	3.253	(0.500)	73840	20.0000	20.5
104 Methylcyclohexane	83	7.419	7.431	(1.145)	99021	20.0000	20.0
M 153 Total Alkylbenzenes	100				2089331	20.0000	137

QC Flag Legend

M - Compound response manually integrated.

Data File: \\Target_server\GG\chem\gcms-f.i\F012108B.b\F8740.D
Report Date: 21-Jan-2008 15:50

Katahdin Analytical Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcms-f.i
Lab File ID: F8740.D
Lab Smp Id: VSTD020F21A
Analysis Type: VOA
Quant Type: ISTD
Operator: JSS
Method File: \\Target_server\GG\chem\gcms-f.i\F012108B.b\F826a99.m
Misc Info: SW846 8260B

Calibration Date: 21-JAN-2008
Calibration Time: 10:04

Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 4

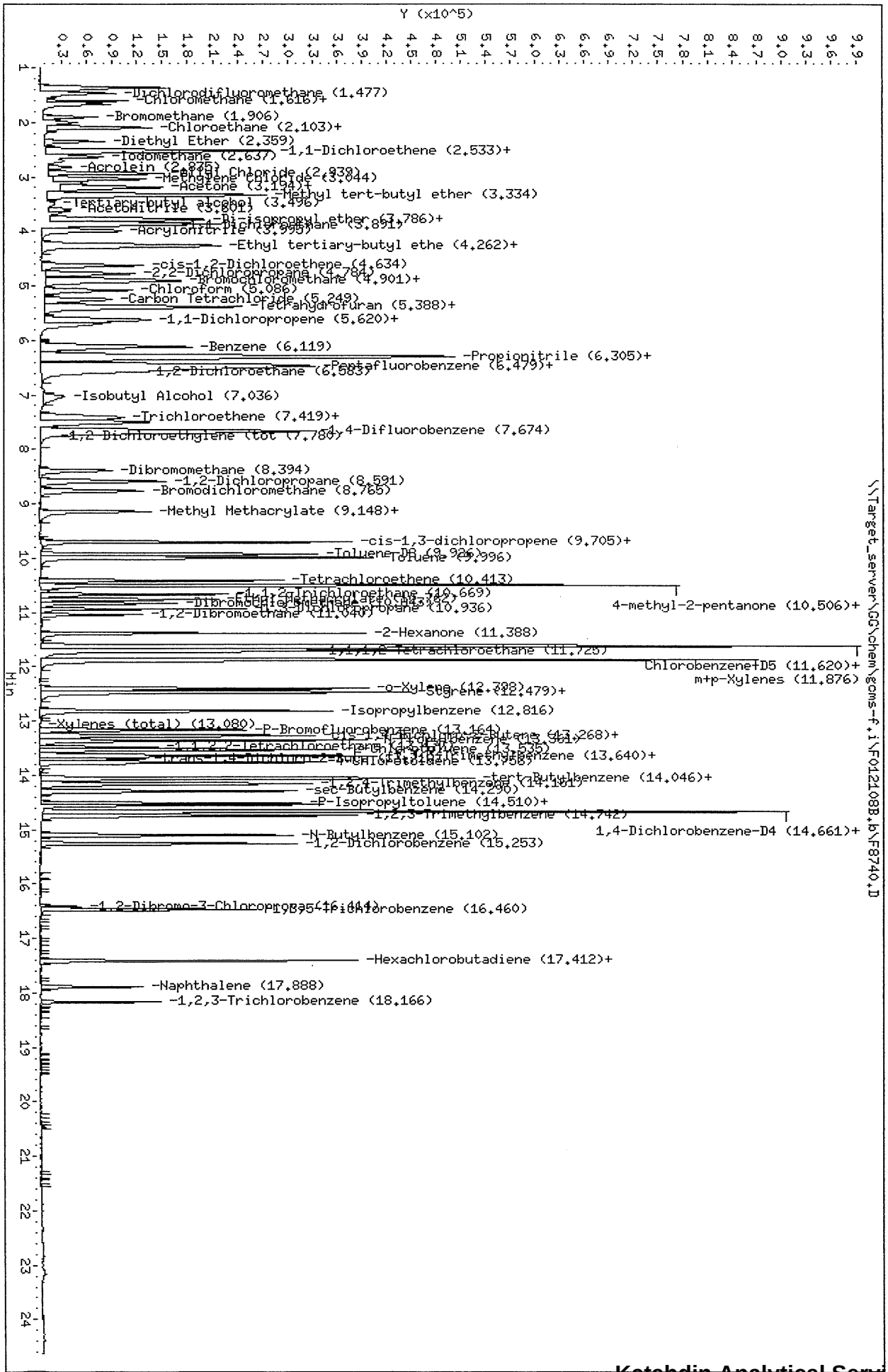
COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	535128	267564	1070256	483803	-9.59
49 1,4-Difluorobenze	685783	342892	1371566	634755	-7.44
66 Chlorobenzene-D5	571710	285855	1143420	531546	-7.03
91 1,4-Dichlorobenze	309249	154625	618498	276299	-10.65

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	6.48	5.98	6.98	6.48	0.00
49 1,4-Difluorobenze	7.69	7.19	8.19	7.67	-0.15
66 Chlorobenzene-D5	11.61	11.11	12.11	11.61	0.00
91 1,4-Dichlorobenze	14.66	14.16	15.16	14.66	0.00

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.

Data File: \\Target_server\GC\chem\gcms-f.i\F012108B.b\F8740.D
Date : 21-JAN-2008 11:56
Client ID:
Sample Info: VSTD020F21A
Purge Volume: 5.0
Column phase: RTX-VMS

Instrument: gcms-f.i
Operator: JSS
Column diameter: 0.18



Data File: \\Target_server\GG\chem\gcms-f.i\F012108B.b\F8741.D
Report Date: 21-Jan-2008 15:50

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gcms-f.i\F012108B.b\F8741.D
Lab Smp Id: VSTD005F21A
Inj Date : 21-JAN-2008 12:27 MS Autotune Date: 01-JAN-1990 15:37
Operator : JSS Inst ID: gcms-f.i
Smp Info : VSTD005F21A
Misc Info : SW846 8260B
Comment :
Method : \\Target_server\GG\chem\gcms-f.i\F012108B.b\F826a99.m
Meth Date : 21-Jan-2008 13:26 jprescott Quant Type: ISTD
Cal Date : 21-JAN-2008 12:27 Cal File: F8741.D
Als bottle: 14 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.12
Processing Host: TARGET05

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	sample purged
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)
1 Dichlorodifluoromethane	85	1.476	1.477	(0.229)	34815	5.00000	5.4
2 Chloromethane	50	1.615	1.628	(0.250)	34153	5.00000	5.2
3 Vinyl chloride	62	1.673	1.674	(0.259)	29877	5.00000	5.4
4 Bromomethane	94	1.906	1.918	(0.295)	18128	5.00000	5.6
5 Chloroethane	64	2.010	2.011	(0.311)	12589	5.00000	5.6(M)
6 Trichlorofluoromethane	101	2.103	2.115	(0.326)	40491	5.00000	5.3
7 Diethyl Ether	59	2.347	2.359	(0.364)	14129	5.00000	5.2
8 Tertiary-butyl alcohol	59	3.484	3.497	(0.540)	6961	25.0000	29.2(M)
9 1,1-Dichloroethene	96	2.509	2.522	(0.389)	20320	5.00000	5.4
10 Carbon Disulfide	76	2.532	2.533	(0.392)	58600	5.00000	5.3
11 Freon-113	151	2.544	2.556	(0.394)	12987	5.00000	5.0
12 Iodomethane	142	2.637	2.638	(0.409)	25925	5.00000	4.8
13 Acrolein	56	2.822	2.835	(0.437)	13138	25.0000	26.7
14 Methylene Chloride	84	3.043	3.044	(0.471)	22953	5.00000	5.6
15 Acetone	43	3.124	3.137	(0.484)	33512	25.0000	28.2
16 Isobutyl Alcohol	43	7.035	7.036	(1.090)	12529	100.000	114(M)
17 trans-1,2-Dichloroethene	96	3.194	3.206	(0.495)	22339	5.00000	5.3
18 Allyl Chloride	41	2.927	2.939	(0.453)	36207	5.00000	5.0
19 Methyl tert-butyl ether	73	3.333	3.346	(0.516)	90209	10.0000	9.3
20 Acetonitrile	39	3.588	3.601	(0.556)	2828	50.0000	45.5
21 Di-isopropyl ether	45	3.774	3.787	(0.585)	82961	5.00000	4.8
22 Chloroprene	53	3.855	3.868	(0.597)	39754	5.00000	5.2
23 Propionitrile	54	6.258	6.317	(0.969)	22053	50.0000	48.9(M)

M1 JP 012108

Data File: \\Target_server\GG\chem\gcms-f.i\F012108B.b\F8741.D
Report Date: 21-Jan-2008 15:50

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)
	24 Methacrylonitrile	41	6.304	6.340	(0.977)	145437	50.0000	47.1
	25 1,1-Dichloroethane	63	3.890	3.903	(0.603)	38894	5.00000	5.0
	26 Acrylonitrile	52	3.983	4.006	(0.617)	29174	25.0000	23.3
	27 Ethyl tertiary-butyl ether	59	4.250	4.263	(0.658)	65114	5.00000	4.8
	28 Vinyl Acetate	43	4.273	4.274	(0.558)	62200	5.00000	4.9
	29 cis-1,2-Dichloroethene	96	4.621	4.634	(0.716)	25162	5.00000	5.0
M	30 1,2-Dichloroethylene (total)	96				47501	5.00000	10.4
	31 Methyl Methacrylate	41	9.148	9.149	(1.194)	19956	5.00000	4.8
	32 2,2-Dichloropropane	77	4.772	4.796	(0.739)	34302	5.00000	5.1
	33 Bromochloromethane	128	4.935	4.936	(0.764)	8690	5.00000	4.6
	34 Chloroform	83	5.086	5.087	(0.788)	40016	5.00000	5.0
	35 Carbon Tetrachloride	117	5.248	5.261	(0.685)	27748	5.00000	4.9
	36 Tetrahydrofuran	42	5.387	5.365	(0.835)	28427	25.0000	24.8
$	37 Dibromofluoromethane	113	5.399	5.412	(0.836)	22388	5.00000	5.0
	38 1,1,1-Trichloroethane	97	5.376	5.400	(0.833)	35306	5.00000	5.1
	39 1,1-Dichloropropene	75	5.620	5.632	(0.733)	30598	5.00000	5.0
	40 2-Butanone	43	5.701	5.713	(0.883)	53519	25.0000	25.3
	41 Benzene	78	6.107	6.131	(0.797)	81831	5.00000	4.9
*	42 Pentafluorobenzene	168	6.455	6.491	(1.000)	454301	50.0000	
	43 Cyclohexane	56	4.877	4.901	(0.755)	27501	5.00000	4.8
	44 Ethyl Methacrylate	69	10.761	10.762	(1.404)	20520	5.00000	4.5
$	45 1,2-Dichloroethane-D4	65	6.432	6.456	(0.996)	26294	5.00000	5.1
	46 Tertiary-amyl methyl ether	73	6.513	6.526	(1.009)	51083	5.00000	4.7
	47 1,2-Dichloroethane	62	6.583	6.607	(0.859)	31781	5.00000	4.9
	48 Trichloroethene	95	7.500	7.512	(0.979)	23089	5.00000	4.9
*	49 1,4-Difluorobenzene	114	7.662	7.686	(1.000)	588497	50.0000	
	50 Dibromomethane	93	8.382	8.394	(1.094)	14026	5.00000	4.9
	51 1,2-Dichloropropane	63	8.591	8.603	(1.121)	19907	5.00000	5.0
	52 Bromodichloromethane	83	8.765	8.777	(1.144)	32371	5.00000	5.0
	53 cis-1,3-dichloropropene	75	9.705	9.717	(1.267)	34880	5.00000	5.0
	54 1,4-Dioxane	88	9.148	9.149	(1.194)	10636	100.000	190(M)
$	55 Toluene-D8	98	9.925	9.938	(1.295)	70811	5.00000	4.9
	56 2-Chloroethylvinylether	63	9.705	9.706	(1.267)	11969	5.00000	4.9
	57 Toluene	92	9.983	9.996	(1.303)	51709	5.00000	5.0
	58 4-methyl-2-pentanone	43	10.506	10.507	(1.371)	104511	25.0000	24.8
	59 Tetrachloroethene	164	10.413	10.425	(0.897)	18791	5.00000	5.3
	60 trans-1,3-Dichloropropene	75	10.517	10.530	(1.373)	30497	5.00000	5.1
	61 1,1,2-Trichloroethane	83	10.668	10.681	(1.392)	15396	5.00000	4.9
	62 Dibromochloromethane	129	10.842	10.843	(0.934)	20996	5.00000	4.9
	63 1,3-Dichloropropane	76	10.935	10.948	(0.942)	29094	5.00000	5.0
	64 1,2-Dibromoethane	107	11.040	11.040	(1.441)	20592	5.00000	5.0
	65 2-Hexanone	43	11.388	11.389	(0.981)	73730	25.0000	24.6
*	66 Chlorobenzene-D5	117	11.608	11.621	(1.000)	485910	50.0000	
	67 Chlorobenzene	112	11.631	11.632	(1.002)	54802	5.00000	5.2
	152 1-Chlorohexane	91	11.666	11.702	(1.807)	23820	5.00000	1.2(M)
	68 Ethylbenzene	106	11.690	11.702	(1.007)	29081	5.00000	5.3
	69 1,1,1,2-Tetrachloroethane	131	11.724	11.737	(1.010)	18300	5.00000	4.9
M	70 Xylenes (total)	106				104738	15.0000	15.0
	71 m+p-Xylenes	106	11.875	11.888	(1.023)	69878	10.0000	9.9
	72 o-Xylene	106	12.397	12.410	(1.068)	34860	5.00000	5.1
	73 Styrene	104	12.467	12.480	(1.074)	54967	5.00000	4.6
	74 Bromoform	173	12.467	12.480	(1.074)	15196	5.00000	4.6
	75 Isopropylbenzene	105	12.815	12.816	(0.874)	75692	5.00000	5.2
$	76 P-Bromofluorobenzene	95	13.163	13.164	(1.718)	29719	5.00000	5.0

MI
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012108

Data File: \\Target_server\GG\chem\gcms-f.i\F012108B.b\F8741.D
Report Date: 21-Jan-2008 15:50

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)
77 cis-1,4-Dichloro-2-Butene	53	13.280	13.292	(0.906)	6651	5.00000	4.7
78 trans-1,4-Dichloro-2-Butene	53	13.709	13.710	(0.935)	7238	5.00000	5.0
79 Bromobenzene	156	13.268	13.269	(0.905)	23090	5.00000	5.2
80 N-Propylbenzene	91	13.361	13.362	(0.911)	99556	5.00000	5.0
81 1,1,2,2-Tetrachloroethane	83	13.477	13.489	(0.919)	22662	5.00000	5.2
82 1,3,5-Trimethylbenzene	105	13.639	13.652	(0.930)	69499	5.00000	5.2
83 2-Chlorotoluene	91	13.535	13.536	(0.923)	66235	5.00000	5.3
84 1,2,3-Trichloropropane	75	13.616	13.629	(0.929)	17459	5.00000	5.2
85 4-Chlorotoluene	91	13.755	13.768	(0.938)	69848	5.00000	5.3
86 tert-Butylbenzene	119	14.046	14.058	(0.958)	56160	5.00000	5.1
87 Pentachloroethane	117	14.057	14.058	(0.959)	13512	5.00000	4.8
88 1,2,4-Trimethylbenzene	105	14.150	14.162	(0.965)	72264	5.00000	5.1
89 P-Isopropyltoluene	119	14.510	14.522	(0.990)	56297	5.00000	5.2
90 1,3-Dichlorobenzene	146	14.545	14.557	(0.992)	38409	5.00000	5.2
* 91 1,4-Dichlorobenzene-D4	152	14.661	14.662	(1.000)	247271	50.0000	
92 1,4-Dichlorobenzene	146	14.684	14.685	(1.002)	39330	5.00000	5.2
93 N-Butylbenzene	91	15.102	15.103	(1.030)	61831	5.00000	5.4
94 sec-Butylbenzene	105	14.301	14.302	(0.975)	77007	5.00000	5.1
95 1,2-Dichlorobenzene	146	15.253	15.265	(1.040)	34257	5.00000	5.0
96 1,2-Dibromo-3-Chloropropane	75	16.413	16.414	(1.120)	3563	5.00000	5.4
97 1,3,5-Trichlorobenzene	180	16.460	16.472	(1.123)	28203	5.00000	5.5
98 Hexachlorobutadiene	225	17.400	17.412	(1.187)	11866	5.00000	6.0
99 1,2,4-Trichlorobenzene	180	17.411	17.424	(1.188)	20938	5.00000	5.4
100 1,2,3-Trimethylbenzene	105	14.742	14.754	(1.006)	68845	5.00000	5.1
101 Naphthalene	128	17.887	17.900	(1.220)	26653	5.00000	5.5
102 1,2,3-Trichlorobenzene	180	18.166	18.167	(1.239)	15297	5.00000	6.2
103 Methyl Acetate	43	3.240	3.253	(0.502)	17224	5.00000	5.1
104 Methylcyclohexane	83	7.418	7.431	(1.149)	23957	5.00000	5.2
M 153 Total Alkylbenzenes	100				492614	5.00000	36.1

QC Flag Legend

M - Compound response manually integrated.

Data File: \\Target_server\GG\chem\gcms-f.i\F012108B.b\F8741.D
Report Date: 21-Jan-2008 15:50

Katahdin Analytical Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcms-f.i
Lab File ID: F8741.D
Lab Smp Id: VSTD005F21A
Analysis Type: VOA
Quant Type: ISTD
Operator: JSS
Method File: \\Target_server\GG\chem\gcms-f.i\F012108B.b\F826a99.m
Misc Info: SW846 8260B

Calibration Date: 21-JAN-2008
Calibration Time: 10:04

Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 4

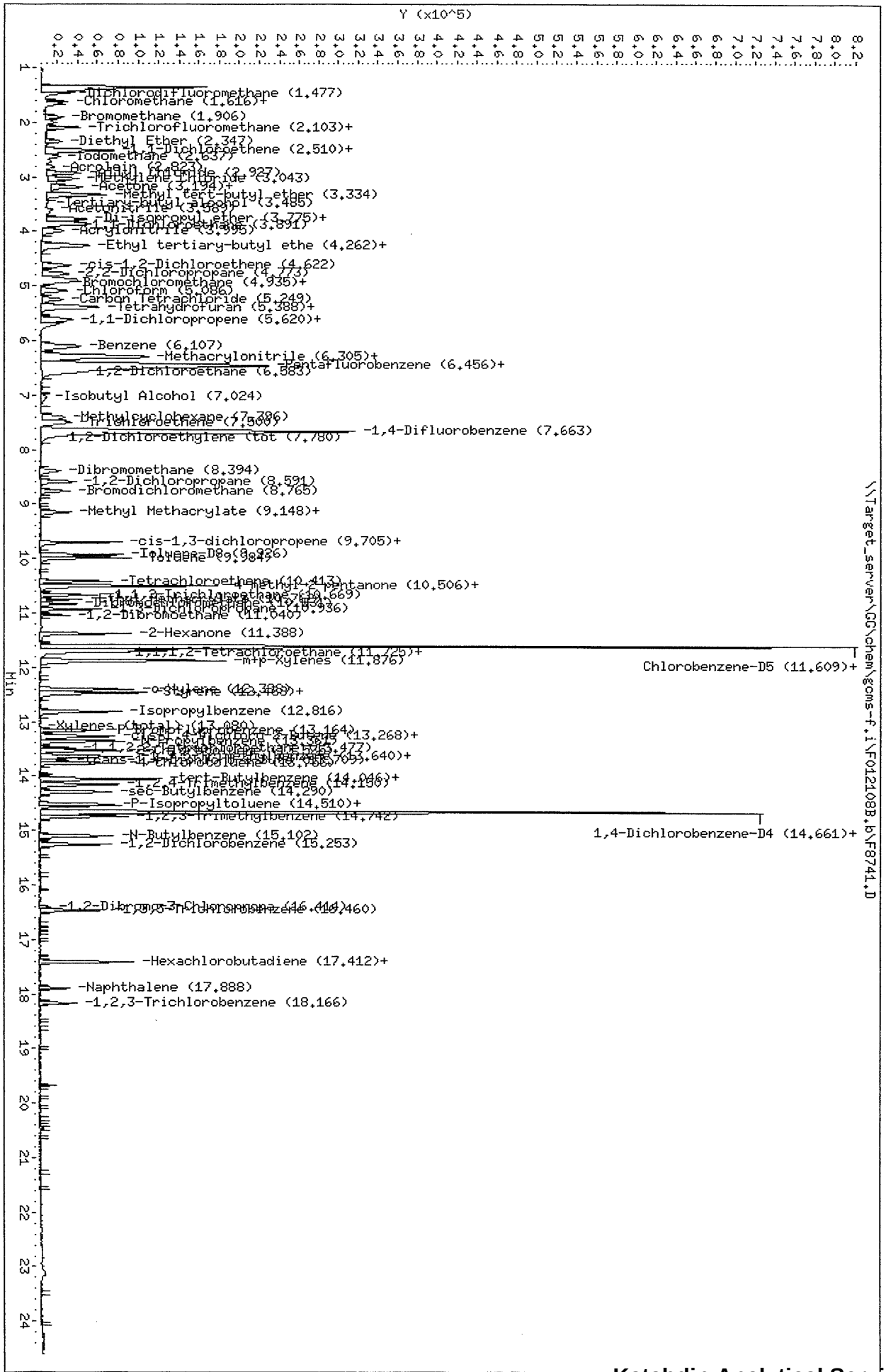
COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	535128	267564	1070256	454301	-15.10
49 1,4-Difluorobenze	685783	342892	1371566	588497	-14.19
66 Chlorobenzene-D5	571710	285855	1143420	485910	-15.01
91 1,4-Dichlorobenze	309249	154625	618498	247271	-20.04

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	6.48	5.98	6.98	6.46	-0.36
49 1,4-Difluorobenze	7.69	7.19	8.19	7.66	-0.30
66 Chlorobenzene-D5	11.61	11.11	12.11	11.61	0.00
91 1,4-Dichlorobenze	14.66	14.16	15.16	14.66	0.00

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.

Data File: \\Target_server\GC\chem\gcms-f.i\F012108B.b\F8741.D
Date : 21-JAN-2008 12:27
Client ID:
Sample Info: VSTD005F21A
Purge Volume: 5.0
Column phase: RTX-VMS

Instrument: gcms-f.i
Operator: JSS
Column diameter: 0.18



Data File: \\Target_server\GG\chem\gcms-f.i\F012108B.b\F8742.D
Report Date: 21-Jan-2008 15:50

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gcms-f.i\F012108B.b\F8742.D
Lab Smp Id: VSTD001F21A
Inj Date : 21-JAN-2008 12:58 MS Autotune Date: 01-JAN-1990 15:3
Operator : JSS Inst ID: gcms-f.i
Smp Info : VSTD001F21A
Misc Info : SW846 8260B
Comment :
Method : \\Target_server\GG\chem\gcms-f.i\F012108B.b\F826a99.m
Meth Date : 21-Jan-2008 13:26 jprescott Quant Type: ISTD
Cal Date : 21-JAN-2008 12:58 Cal File: F8742.D
Als bottle: 15 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.12
Processing Host: TARGET05

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	sample purged
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)
1 Dichlorodifluoromethane	85	1.484	1.477	(0.229)	7014	1.00000	1.1
2 Chloromethane	50	1.623	1.628	(0.251)	7439	1.00000	1.1
3 Vinyl chloride	62	1.670	1.674	(0.258)	5868	1.00000	1.1(M)
4 Bromomethane	94	1.913	1.918	(0.296)	4605	1.00000	1.4(M)
5 Chloroethane	64	2.006	2.011	(0.310)	2838	1.00000	1.2(M)
6 Trichlorofluoromethane	101	2.111	2.115	(0.326)	7934	1.00000	1.1
7 Diethyl Ether	59	2.366	2.359	(0.365)	2725	1.00000	1.0
8 Tertiary-butyl alcohol	59	3.480	3.497	(0.538)	1587	5.00000	6.5(M)
9 1,1-Dichloroethene	96	2.517	2.522	(0.389)	3650	1.00000	1.0
10 Carbon Disulfide	76	2.528	2.533	(0.391)	12090	1.00000	1.1
11 Freon-113	151	2.552	2.556	(0.394)	2612	1.00000	1.0
12 Iodomethane	142	2.644	2.638	(0.408)	5034	1.00000	0.98(aM)
13 Acrolein	56	2.830	2.835	(0.437)	2981	5.00000	6.0(aM)
14 Methylene Chloride	84	3.051	3.044	(0.471)	6800	1.00000	1.5(aM)
15 Acetone	43	3.120	3.137	(0.482)	9129	5.00000	7.3
16 Isobutyl Alcohol	43	7.066	7.036	(1.091)	1643	20.0000	16.2(aM)
17 trans-1,2-Dichloroethene	96	3.202	3.206	(0.495)	4435	1.00000	1.1
18 Allyl Chloride	41	2.946	2.939	(0.455)	8819	1.00000	1.2
19 Methyl tert-butyl ether	73	3.341	3.346	(0.516)	19167	2.00000	2.0
20 Acetonitrile	39	3.608	3.601	(0.557)	1111	10.0000	16.3(aM)
21 Di-isopropyl ether	45	3.782	3.787	(0.584)	18588	1.00000	1.1
22 Chloroprene	53	3.863	3.868	(0.597)	8505	1.00000	1.1
23 Propionitrile	54	6.266	6.317	(0.968)	4651	10.0000	10.6

MI JP 012108

Data File: \\Target_server\GG\chem\gcms-f.i\F012108B.b\F8742.D
Report Date: 21-Jan-2008 15:50

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)
	24 Methacrylonitrile	41	6.312	6.340	(0.975)	31402	10.0000	10.5
	25 1,1-Dichloroethane	63	3.886	3.903	(0.600)	7991	1.00000	1.0
	26 Acrylonitrile	52	3.991	4.006	(0.616)	6622	5.00000	5.4
	27 Ethyl tertiary-butyl ether	59	4.258	4.263	(0.658)	13669	1.00000	1.0
	28 Vinyl Acetate	43	4.269	4.274	(0.556)	11546	1.00000	0.90(a)
	29 cis-1,2-Dichloroethene	96	4.629	4.634	(0.715)	5016	1.00000	1.0
M	30 1,2-Dichloroethylene (total)	96				9451	1.00000	2.1
	31 Methyl Methacrylate	41	9.155	9.149	(1.192)	4476	1.00000	1.0
	32 2,2-Dichloropropane	77	4.792	4.796	(0.740)	6743	1.00000	1.0
	33 Bromochloromethane	128	4.919	4.936	(0.760)	2117	1.00000	1.1(M)
	34 Chloroform	83	5.082	5.087	(0.785)	8311	1.00000	1.1
	35 Carbon Tetrachloride	117	5.244	5.261	(0.683)	5179	1.00000	0.91(a)
	36 Tetrahydrofuran	42	5.395	5.365	(0.833)	5822	5.00000	5.2(M)
$	37 Dibromofluoromethane	113	5.407	5.412	(0.835)	4530	1.00000	1.0
	38 1,1,1-Trichloroethane	97	5.395	5.400	(0.833)	6928	1.00000	1.0
	39 1,1-Dichloropropene	75	5.627	5.632	(0.733)	5890	1.00000	0.94(a)
	40 2-Butanone	43	5.732	5.713	(0.885)	9944	5.00000	4.9(a)
	41 Benzene	78	6.126	6.131	(0.798)	16332	1.00000	0.95(a)
*	42 Pentafluorobenzene	168	6.474	6.491	(1.000)	435574	50.0000	
	43 Cyclohexane	56	4.884	4.901	(0.754)	5573	1.00000	1.0
	44 Ethyl Methacrylate	69	10.757	10.762	(1.400)	4076	1.00000	0.89(a)
$	45 1,2-Dichloroethane-D4	65	6.440	6.456	(0.995)	5684	1.00000	1.1
	46 Tertiary-amyl methyl ether	73	6.509	6.526	(1.005)	10700	1.00000	1.0
	47 1,2-Dichloroethane	62	6.579	6.607	(0.856)	6432	1.00000	0.96(a)
	48 Trichloroethene	95	7.519	7.512	(0.979)	4861	1.00000	1.00(M)
*	49 1,4-Difluorobenzene	114	7.681	7.686	(1.000)	609886	50.0000	
	50 Dibromomethane	93	8.389	8.394	(1.092)	2986	1.00000	1.0
	51 1,2-Dichloropropane	63	8.598	8.603	(1.119)	4482	1.00000	1.1(M)
	52 Bromodichloromethane	83	8.772	8.777	(1.142)	6024	1.00000	0.92(a)
	53 cis-1,3-dichloropropene	75	9.713	9.717	(1.264)	6526	1.00000	0.92(a)
	54 1,4-Dioxane	88	9.155	9.149	(1.192)	2020	20.0000	30.9(M)
$	55 Toluene-D8	98	9.933	9.938	(1.293)	15916	1.00000	1.0
	56 2-Chloroethylvinylether	63	9.713	9.706	(1.264)	2028	1.00000	0.82(a)
	57 Toluene	92	9.991	9.996	(1.301)	10966	1.00000	1.0
	58 4-methyl-2-pentanone	43	10.502	10.507	(1.367)	21369	5.00000	4.9(a)
	59 Tetrachloroethene	164	10.421	10.425	(0.897)	4409	1.00000	1.2
	60 trans-1,3-Dichloropropene	75	10.513	10.530	(1.369)	5945	1.00000	0.96(a)
	61 1,1,2-Trichloroethane	83	10.676	10.681	(1.390)	3151	1.00000	0.98(aM)
	62 Dibromochloromethane	129	10.838	10.843	(0.933)	4162	1.00000	0.95(aM)
	63 1,3-Dichloropropane	76	10.943	10.948	(0.942)	6035	1.00000	1.0
	64 1,2-Dibromoethane	107	11.047	11.040	(1.438)	3693	1.00000	0.88(aM)
	65 2-Hexanone	43	11.384	11.389	(0.980)	14251	5.00000	4.6(aM)
*	66 Chlorobenzene-D5	117	11.616	11.621	(1.000)	505975	50.0000	
	67 Chlorobenzene	112	11.628	11.632	(1.001)	11407	1.00000	1.0
	152 1-Chlorohexane	91	11.674	11.702	(1.803)	6515	1.00000	0.46(aM)
	68 Ethylbenzene	106	11.697	11.702	(1.007)	5952	1.00000	1.0
	69 1,1,1,2-Tetrachloroethane	131	11.720	11.737	(1.009)	3755	1.00000	0.97(a)
M	70 Xylenes (total)	106				21048	5.00000	2.9(a)
	71 m+p-Xylenes	106	11.883	11.888	(1.023)	14165	2.00000	1.9(a)
	72 o-Xylene	106	12.405	12.410	(1.068)	6883	1.00000	0.97(a)
	73 Styrene	104	12.475	12.480	(1.074)	11108	1.00000	0.92(a)
	74 Bromoform	173	12.475	12.480	(1.074)	2801	1.00000	0.85(Ta)
	75 Isopropylbenzene	105	12.811	12.816	(0.873)	15492	1.00000	1.0
$	76 P-Bromofluorobenzene	95	13.160	13.164	(1.713)	7175	1.00000	1.1

MI
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012108

Data File: \\Target_server\GG\chem\gcms-f.i\F012108B.b\F8742.D
Report Date: 21-Jan-2008 15:50

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)
77 cis-1,4-Dichloro-2-Butene	53	13.287	13.292	(0.906)	1265	1.00000	0.89(a)
78 trans-1,4-Dichloro-2-Butene	53	13.717	13.710	(0.935)	1156	1.00000	0.80(a)
79 Bromobenzene	156	13.276	13.269	(0.905)	4694	1.00000	1.0
80 N-Propylbenzene	91	13.368	13.362	(0.911)	21552	1.00000	1.0
81 1,1,2,2-Tetrachloroethane	83	13.485	13.489	(0.919)	4455	1.00000	0.99(a)
82 1,3,5-Trimethylbenzene	105	13.647	13.652	(0.930)	13074	1.00000	0.94(a)
83 2-Chlorotoluene	91	13.531	13.536	(0.922)	13750	1.00000	1.0
84 1,2,3-Trichloropropane	75	13.624	13.629	(0.929)	3474	1.00000	1.00
85 4-Chlorotoluene	91	13.763	13.768	(0.938)	13537	1.00000	0.99(a)
86 tert-Butylbenzene	119	14.053	14.058	(0.958)	11414	1.00000	0.99(a)
87 Pentachloroethane	117	14.053	14.058	(0.958)	2283	1.00000	0.81(a)
88 1,2,4-Trimethylbenzene	105	14.158	14.162	(0.965)	13453	1.00000	0.93(a)
89 P-Isopropyltoluene	119	14.517	14.522	(0.990)	12429	1.00000	1.1
90 1,3-Dichlorobenzene	146	14.552	14.557	(0.992)	8373	1.00000	1.1
* 91 1,4-Dichlorobenzene-D4	152	14.668	14.662	(1.000)	257077	50.0000	
92 1,4-Dichlorobenzene	146	14.680	14.685	(1.001)	8548	1.00000	1.1
93 N-Butylbenzene	91	15.098	15.103	(1.029)	11944	1.00000	1.0
94 sec-Butylbenzene	105	14.297	14.302	(0.975)	16324	1.00000	1.0
95 1,2-Dichlorobenzene	146	15.260	15.265	(1.040)	8142	1.00000	1.1
96 1,2-Dibromo-3-Chloropropane	75	16.421	16.414	(1.119)	923	1.00000	1.3
97 1,3,5-Trichlorobenzene	180	16.467	16.472	(1.123)	7377	1.00000	1.3
98 Hexachlorobutadiene	225	17.407	17.412	(1.187)	3162	1.00000	1.4
99 1,2,4-Trichlorobenzene	180	17.419	17.424	(1.188)	5018	1.00000	1.2
100 1,2,3-Trimethylbenzene	105	14.750	14.754	(1.006)	14433	1.00000	1.0
101 Naphthalene	128	17.895	17.900	(1.220)	5925	1.00000	1.1
102 1,2,3-Trichlorobenzene	180	18.173	18.167	(1.239)	2985	1.00000	1.1
103 Methyl Acetate	43	3.260	3.253	(0.503)	5326	1.00000	1.5
104 Methylcyclohexane	83	7.403	7.431	(1.143)	5842	1.00000	1.2
M 153 Total Alkylbenzenes	100				100190	1.00000	7.0

QC Flag Legend

T - Target compound detected outside RT window.
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
M - Compound response manually integrated.

Data File: \\Target_server\GG\chem\gcms-f.i\F012108B.b\F8742.D
Report Date: 21-Jan-2008 15:50

Katahdin Analytical Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcms-f.i
Lab File ID: F8742.D
Lab Smp Id: VSTD001F21A
Analysis Type: VOA
Quant Type: ISTD
Operator: JSS
Method File: \\Target_server\GG\chem\gcms-f.i\F012108B.b\F826a99.m
Misc Info: SW846 8260B

Calibration Date: 21-JAN-2008
Calibration Time: 10:04

Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 4

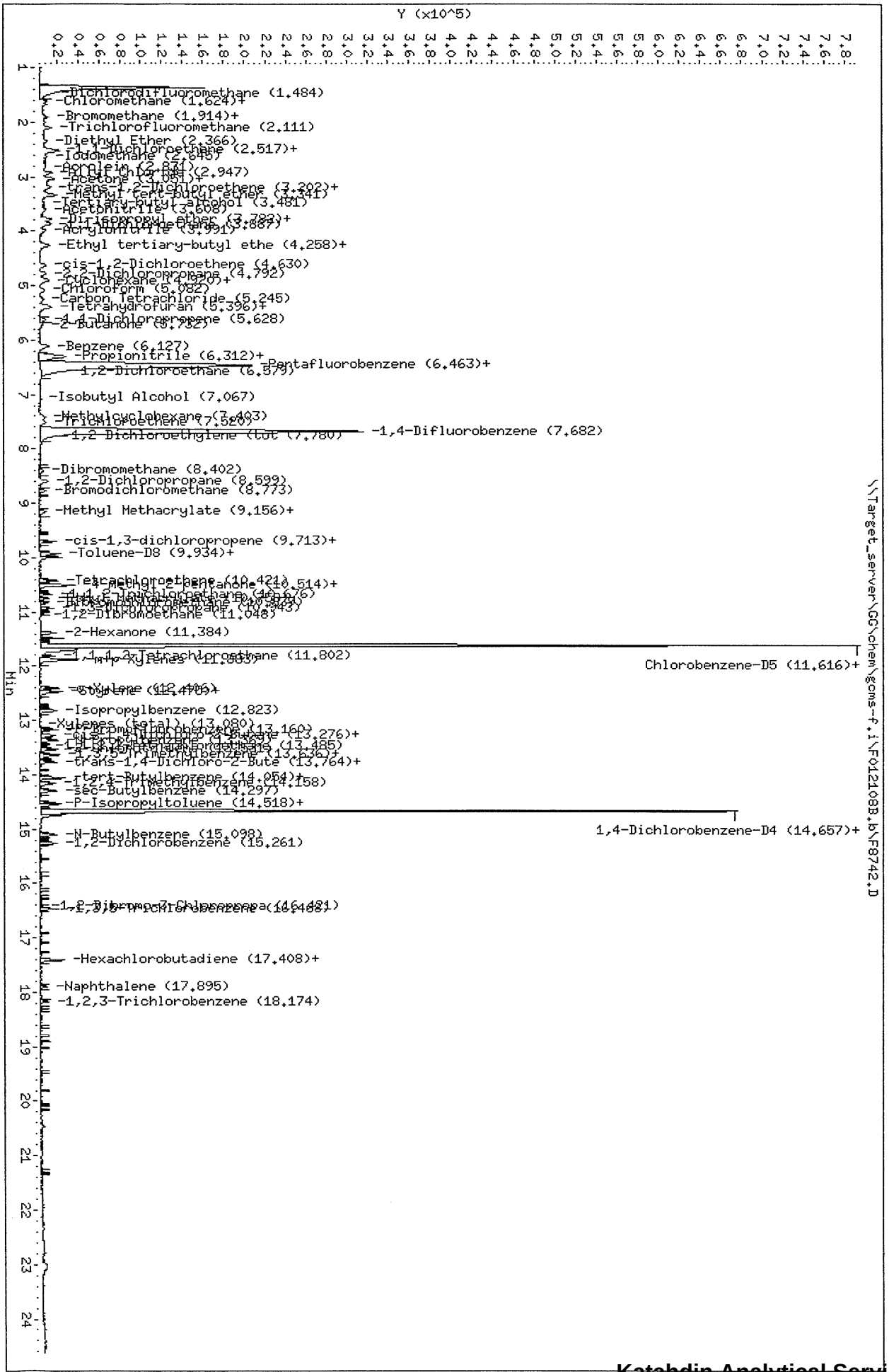
COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	535128	267564	1070256	435574	-18.60
49 1,4-Difluorobenze	685783	342892	1371566	609886	-11.07
66 Chlorobenzene-D5	571710	285855	1143420	505975	-11.50
91 1,4-Dichlorobenze	309249	154625	618498	257077	-16.87

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	6.48	5.98	6.98	6.47	-0.06
49 1,4-Difluorobenze	7.69	7.19	8.19	7.68	-0.05
66 Chlorobenzene-D5	11.61	11.11	12.11	11.62	0.07
91 1,4-Dichlorobenze	14.66	14.16	15.16	14.67	0.05

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.

Data File: \\Target_server\GC\chem\gcms-f.i\F012108B.b\F8742.D
Date : 21-JAN-2008 12:58
Client ID:
Sample Info: VSTD001F21A
Purge Volume: 5.0
Column phase: RTX-VMS

Instrument: gcms-f.i
Operator: JSS
Column diameter: 0.18



FORM 6
VOLATILE INITIAL CALIBRATION DATA

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project CTO 426 NLON SDG No.: CTO426-1

Instrument ID: GCMS-S Calibration Date(s): 01/16/08 01/16/08

Column: RTX-VMS ID: 0.18 (mm) Calibration Time(s): 1557 1934

LAB FILE ID: RF1: S8696 RF5: S8693 RF20: S8692
RF50: S8691 RF100: S8690 RF200: S8689

COMPOUND	RF1	RF5	RF20	RF50	RF100	RF200	CURVE	COEFF. A1	%RSD OR R^2	MAX %RSD OR R^2
Methyl tert-butyl ether	1.314	1.101	1.350	1.352	1.173	1.175	AVRG	1.24395487	8.677	15.000
Benzene	1.259	0.893	1.197	1.224	1.062	1.036	AVRG	1.11175574	12.577	15.000
Toluene	0.719	0.500	0.720	0.661	0.629	0.595	AVRG	0.63741879	13.105	15.000
Ethylbenzene	1.618	1.233	1.762	1.698	1.504	1.377	AVRG	1.53206268	13.109	15.000
Xylenes (total)							AVRG			0.000
m+p-Xylenes	0.534		0.620	0.619	0.496	0.472	AVRG	0.54799372	12.528	15.000
o-Xylene	0.509	0.416	0.583	0.639	0.532	0.540	AVRG	0.53644647	13.924	15.000
Isopropylbenzene	2.128	1.515	2.336	2.353	1.957	2.083	AVRG	2.06186721	14.951	15.000
Naphthalene	1.979	1.609	1.715	1.669	1.435	1.517	AVRG	1.65416901	11.425	15.000
Dibromofluoromethane	0.694	0.457	0.593	0.588	0.510	0.544	AVRG	0.56417394	14.416	15.000
1,2-Dichloroethane-D4		0.535	0.624	0.645	0.592	0.578	AVRG	0.59495343	7.124	15.000
Toluene-D8		0.872	1.098	1.118	0.964	0.869	AVRG	0.98425436	12.130	15.000
P-Bromofluorobenzene		0.367	0.438	0.490	0.391	0.372	AVRG	0.41187425	12.645	15.000

Average %RSD test result.

Calculate Average %RSD: 14.18793583
Maximum Average %RSD: 15.00000000

Note: Passes Average %RSD Test.

FORM VI VOA

Data File: \\Target_server\GG\chem\gcms-s.i\S011608B.b\S8689.D
Report Date: 17-Jan-2008 07:00

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gcms-s.i\S011608B.b\S8689.D
Lab Smp Id: VSTD200S16A
Inj Date : 16-JAN-2008 15:57 MS Autotune Date: 21-NOV-2007 15:16
Operator : SKT Inst ID: gcms-s.i
Smp Info : VSTD200S16A
Misc Info : SW846 8260B
Comment :
Method : \\Target_server\GG\chem\gcms-s.i\S011608B.b\s826a48.m
Meth Date : 17-Jan-2008 06:59 sthompson Quant Type: ISTD
Cal Date : 16-JAN-2008 15:57 Cal File: S8689.D
Als bottle: 14 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.12
Processing Host: TARGET04

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	sample purged
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)
1 Dichlorodifluoromethane	85	2.123	2.124	(0.232)	1305971	200.000	212(A)
2 Chloromethane	50	2.344	2.357	(0.257)	1448120	200.000	197
3 Vinyl chloride	62	2.437	2.450	(0.267)	1254385	200.000	204(A)
4 Bromomethane	94	2.821	2.834	(0.309)	825130	200.000	196
5 Chloroethane	64	2.972	2.985	(0.325)	541489	200.000	190
6 Trichlorofluoromethane	101	3.135	3.148	(0.343)	1723175	200.000	205(A)
7 Diethyl Ether	59	3.542	3.543	(0.388)	823926	200.000	196
8 Tertiary-butyl alcohol	59	5.379	5.380	(0.589)	354265	1000.00	933
9 1,1-Dichloroethene	96	3.798	3.799	(0.416)	895709	200.000	202(A)
10 Carbon Disulfide	76	3.833	3.834	(0.420)	2739891	200.000	202(A)
11 Freon-113	151	3.856	3.869	(0.422)	865737	200.000	220(A)
12 Iodomethane	142	3.995	3.997	(0.437)	1542674	200.000	206(A)
13 Acrolein	56	4.298	4.299	(0.470)	943377	1000.00	969
14 Methylene Chloride	84	4.658	4.659	(0.510)	1059856	200.000	194
15 Acetone	43	4.763	4.776	(0.521)	2069093	1000.00	946
16 Isobutyl Alcohol	43	9.427	9.428	(1.032)	641075	4000.00	3730
17 trans-1,2-Dichloroethene	96	4.914	4.915	(0.538)	1000981	200.000	197
18 Allyl Chloride	41	4.484	4.497	(0.491)	1759389	200.000	196
19 Methyl tert-butyl ether	73	5.112	5.125	(0.560)	5684807	400.000	372
20 Acetonitrile	39	5.577	5.590	(0.610)	312374	2000.00	1900
21 Di-isopropyl ether	45	5.856	5.857	(0.641)	4104257	200.000	194
22 Chloroprene	53	5.984	5.985	(0.655)	1830906	200.000	194
23 Propionitrile	54	9.031	9.009	(0.989)	1386917	2000.00	1830

Data File: \\Target_server\GG\chem\gcms-s.i\S011608B.b\S8689.D
Report Date: 17-Jan-2008 07:00

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)
	24 Methacrylonitrile	41	9.054	9.032	(0.991)	7040513	2000.00	1780
	25 1,1-Dichloroethane	63	6.031	6.032	(0.660)	1854078	200.000	189
	26 Acrylonitrile	52	6.182	6.183	(0.677)	2026463	1000.00	966
	27 Ethyl tertiary-butyl ether	59	6.624	6.625	(0.725)	3637453	200.000	194
	28 Vinyl Acetate	43	6.647	6.648	(0.675)	2898091	200.000	186
	29 cis-1,2-Dichloroethene	96	7.228	7.241	(0.791)	1101558	200.000	190
M	30 1,2-Dichloroethylene (total)	96				2102539	200.000	387
	31 Methyl Methacrylate	41	10.717	10.719	(1.089)	1171261	200.000	187
	32 2,2-Dichloropropane	77	7.461	7.462	(0.817)	1689871	200.000	199
	33 Bromochloromethane	128	7.682	7.672	(0.841)	555702	200.000	185
	34 Chloroform	83	7.880	7.893	(0.863)	1950535	200.000	193
	35 Carbon Tetrachloride	117	8.089	8.090	(0.822)	1395598	200.000	199
	36 Tetrahydrofuran	42	8.194	8.195	(0.897)	1684672	1000.00	947
$	37 Dibromofluoromethane	113	8.264	8.265	(0.905)	1317185	200.000	192
	38 1,1,1-Trichloroethane	97	8.240	8.241	(0.902)	1632697	200.000	197
	39 1,1-Dichloropropene	75	8.485	8.486	(0.862)	1504702	200.000	194
	40 2-Butanone	43	8.531	8.532	(0.934)	3053299	1000.00	968
	41 Benzene	78	8.915	8.904	(0.906)	3796595	200.000	183
*	42 Pentafluorobenzene	168	9.136	9.125	(1.000)	604983	50.0000	
	43 Cyclohexane	56	7.624	7.637	(0.835)	1396909	200.000	202(A)
	44 Ethyl Methacrylate	69	12.171	12.161	(1.236)	1396642	200.000	187
$	45 1,2-Dichloroethane-D4	65	9.147	9.137	(1.001)	1399543	200.000	189
	46 Tertiary-amyl methyl ether	73	9.171	9.160	(1.004)	2858596	200.000	188
	47 1,2-Dichloroethane	62	9.240	9.242	(0.939)	1741149	200.000	186
	48 Trichloroethene	95	9.775	9.777	(0.993)	961381	200.000	175
*	49 1,4-Difluorobenzene	114	9.845	9.846	(1.000)	916037	50.0000	
	50 Dibromomethane	93	10.299	10.288	(1.046)	808926	200.000	182
	51 1,2-Dichloropropane	63	10.415	10.416	(1.058)	976761	200.000	177
	52 Bromodichloromethane	83	10.508	10.509	(1.067)	1589460	200.000	188
	53 cis-1,3-dichloropropene	75	11.206	11.195	(1.138)	1647633	200.000	186
	54 1,4-Dioxane	88	10.752	10.753	(1.092)	90324	4000.00	2230
$	55 Toluene-D8	98	11.404	11.393	(1.158)	3184856	200.000	175
	56 2-Chloroethylvinylether	63	11.159	11.160	(1.133)	351765	200.000	186
	57 Toluene	92	11.450	11.451	(1.163)	2181749	200.000	190
	58 4-methyl-2-pentanone	43	11.927	11.916	(1.211)	4974416	1000.00	846
	59 Tetrachloroethene	164	11.892	11.893	(0.895)	823858	200.000	168
	60 trans-1,3-Dichloropropene	75	11.962	11.951	(1.215)	1529739	200.000	187
	61 1,1,2-Trichloroethane	83	12.148	12.149	(1.234)	794343	200.000	181
	62 Dibromochloromethane	129	12.369	12.358	(0.931)	1353198	200.000	187
	63 1,3-Dichloropropane	76	12.485	12.475	(0.940)	1600860	200.000	182
	64 1,2-Dibromoethane	107	12.636	12.637	(1.283)	1168584	200.000	186
	65 2-Hexanone	43	12.950	12.951	(0.975)	3938752	1000.00	871
*	66 Chlorobenzene-D5	117	13.288	13.289	(1.000)	707594	50.0000	
	67 Chlorobenzene	112	13.311	13.312	(1.002)	2237851	200.000	179
	152 1-Chlorohexane	91	13.299	13.289	(1.456)	1235986	200.000	207(A)
	68 Ethylbenzene	91	13.357	13.347	(1.005)	3898469	200.000	179
	69 1,1,1,2-Tetrachloroethane	131	13.404	13.393	(1.009)	1003434	200.000	182
M	70 Xylenes (total)	106				4198740	600.000	529
	71 m+p-Xylenes	106	13.543	13.533	(1.019)	2670201	400.000	346
	72 o-Xylene	106	14.102	14.091	(1.061)	1528539	200.000	183
	73 Styrene	104	14.171	14.161	(1.067)	2537310	200.000	180
	74 Bromoform	173	14.206	14.196	(1.069)	964227	200.000	186
	75 Isopropylbenzene	105	14.509	14.510	(0.883)	3354239	200.000	188
$	76 P-Bromofluorobenzene	95	14.881	14.882	(1.511)	1362826	200.000	172

Data File: \\Target_server\GG\chem\gcms-s.i\S011608B.b\S8689.D
Report Date: 17-Jan-2008 07:00

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)
77 cis-1,4-Dichloro-2-Butene	53	14.986	14.975	(0.912)	442093	200.000	210(A)
78 trans-1,4-Dichloro-2-Butene	53	15.416	15.405	(0.938)	421600	200.000	196
79 Bromobenzene	156	15.020	15.022	(0.914)	1162004	200.000	188
80 N-Propylbenzene	91	15.067	15.068	(0.917)	4313875	200.000	184
81 1,1,2,2-Tetrachloroethane	83	15.183	15.173	(0.924)	1245158	200.000	182
82 1,3,5-Trimethylbenzene	105	15.346	15.336	(0.934)	2776980	200.000	189
83 2-Chlorotoluene	91	15.276	15.266	(0.929)	2702903	200.000	182
84 1,2,3-Trichloropropane	75	15.358	15.347	(0.934)	936339	200.000	185
85 4-Chlorotoluene	91	15.509	15.498	(0.943)	2998689	200.000	188
86 tert-Butylbenzene	119	15.776	15.766	(0.960)	3010559	200.000	196
87 Pentachloroethane	117	15.811	15.801	(0.962)	816339	200.000	197
88 1,2,4-Trimethylbenzene	105	15.881	15.871	(0.966)	3191053	200.000	197
89 P-Isopropyltoluene	119	16.230	16.231	(0.987)	2795295	200.000	202(A)
90 1,3-Dichlorobenzene	146	16.323	16.324	(0.993)	1963434	200.000	192
* 91 1,4-Dichlorobenzene-D4	152	16.439	16.428	(1.000)	402636	50.0000	
92 1,4-Dichlorobenzene	146	16.463	16.452	(1.001)	1948435	200.000	192
93 N-Butylbenzene	91	16.835	16.824	(1.024)	2386070	200.000	205(A)
94 sec-Butylbenzene	105	16.021	16.021	(0.975)	3529340	200.000	212(A)
95 1,2-Dichlorobenzene	146	17.056	17.045	(1.037)	1882080	200.000	185
96 1,2-Dibromo-3-Chloropropane	75	18.230	18.231	(1.109)	264224	200.000	185
97 1,3,5-Trichlorobenzene	180	18.288	18.278	(1.112)	1382011	200.000	202(A)
98 Hexachlorobutadiene	225	19.219	19.220	(1.169)	463826	200.000	215(A)
99 1,2,4-Trichlorobenzene	180	19.254	19.255	(1.171)	1124458	200.000	197
100 1,2,3-Trimethylbenzene	105	16.497	16.486	(1.004)	3175782	200.000	190
101 Naphthalene	128	19.754	19.743	(1.202)	2443815	200.000	190
102 1,2,3-Trichlorobenzene	180	20.033	20.034	(1.219)	982028	200.000	192
103 Methyl Acetate	43	4.972	4.985	(0.544)	1122741	200.000	204(A)
104 Methylcyclohexane	83	9.741	9.742	(1.066)	1258888	200.000	207(A)
M 153 Total Alkylbenzenes	100				22003172	200.000	1390

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.

Data File: \\Target_server\GG\chem\gcms-s.i\S011608B.b\S8689.D
Report Date: 17-Jan-2008 07:00

Katahdin Analytical Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcms-s.i
Lab File ID: S8689.D
Lab Smp Id: VSTD200S16A
Analysis Type: VOA
Quant Type: ISTD
Operator: SKT
Method File: \\Target_server\GG\chem\gcms-s.i\S011608B.b\s826a48.m
Misc Info: SW846 8260B

Calibration Date: 16-JAN-2008
Calibration Time: 16:59

Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 4

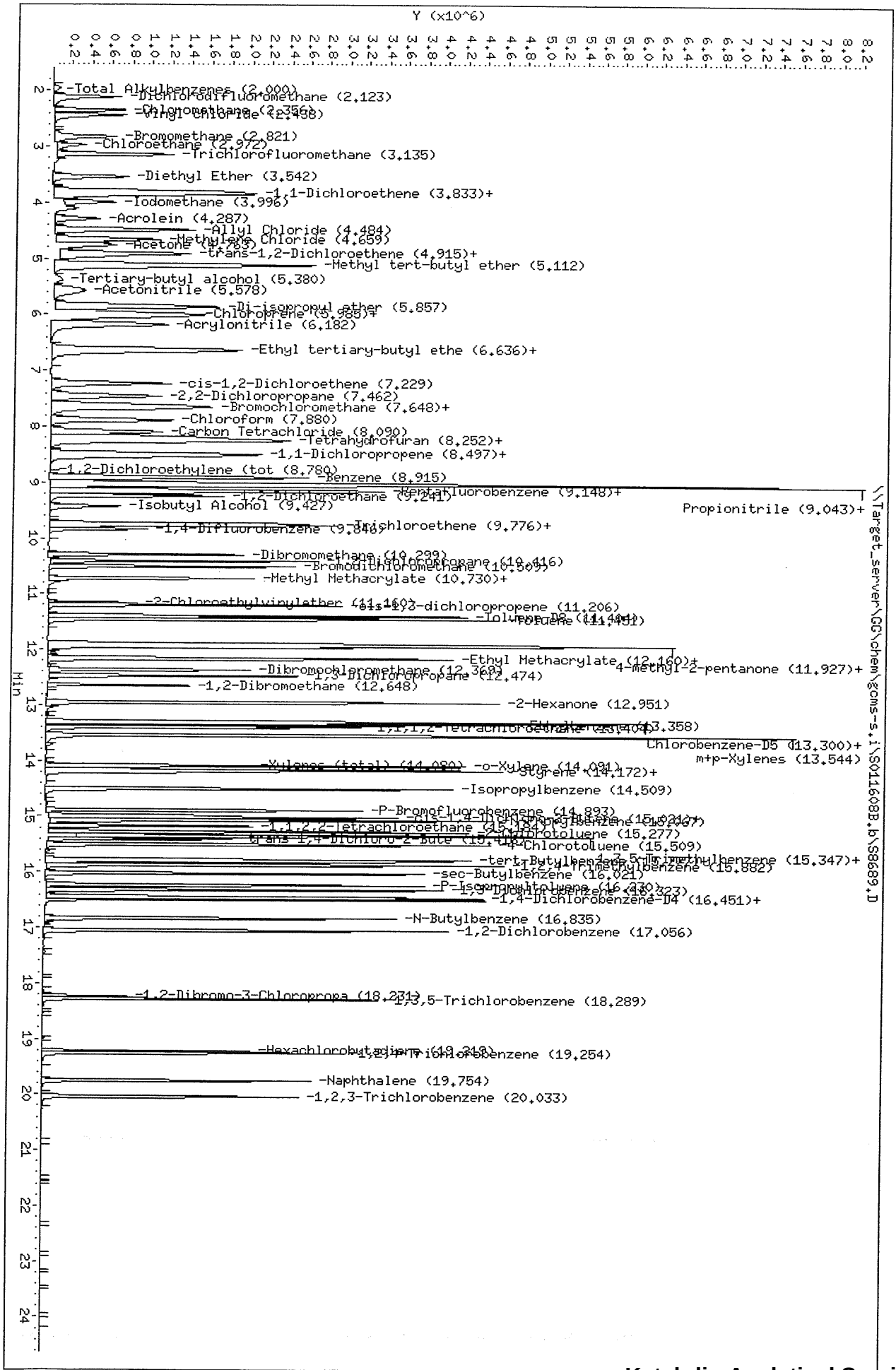
COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	617774	308887	1235548	604983	-2.07
49 1,4-Difluorobenze	868971	434486	1737942	916037	5.42
66 Chlorobenzene-D5	687098	343549	1374196	707594	2.98
91 1,4-Dichlorobenze	404394	202197	808788	402636	-0.43

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	9.13	8.63	9.63	9.14	0.12
49 1,4-Difluorobenze	9.85	9.35	10.35	9.85	-0.01
66 Chlorobenzene-D5	13.29	12.79	13.79	13.29	-0.00
91 1,4-Dichlorobenze	16.43	15.93	16.93	16.44	0.07

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.

Data File: \\Target_server\GC\chem\gcms-s.i\S011608B.b\S8689.D
Date : 16-JAN-2008 15:57
Client ID:
Sample Info: VSTD200S16A
Purge Volume: 5.0
Column phase: RTX-VMS

Instrument: gcms-s.i
Operator: SKT
Column diameter: 0.18



Data File: \\Target_server\GG\chem\gcms-s.i\S011608B.b\S8690.D
Report Date: 17-Jan-2008 07:00

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gcms-s.i\S011608B.b\S8690.D
Lab Smp Id: VSTD100S16A
Inj Date : 16-JAN-2008 16:28 MS Autotune Date: 21-NOV-2007 15:16
Operator : SKT Inst ID: gcms-s.i
Smp Info : VSTD100S16A
Misc Info : SW846 8260B
Comment :
Method : \\Target_server\GG\chem\gcms-s.i\S011608B.b\s826a48.m
Meth Date : 17-Jan-2008 06:59 sthompson Quant Type: ISTD
Cal Date : 16-JAN-2008 16:28 Cal File: S8690.D
Als bottle: 15 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.12
Processing Host: TARGET04

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	sample purged
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)
1 Dichlorodifluoromethane	85	2.123	2.124	(0.233)	614651	100.000	97.5
2 Chloromethane	50	2.355	2.357	(0.258)	718613	100.000	96.3
3 Vinyl chloride	62	2.448	2.450	(0.268)	581174	100.000	94.0
4 Bromomethane	94	2.832	2.834	(0.310)	375114	100.000	90.2
5 Chloroethane	64	2.983	2.985	(0.327)	234671	100.000	85.3
6 Trichlorofluoromethane	101	3.135	3.148	(0.344)	814194	100.000	95.4
7 Diethyl Ether	59	3.542	3.543	(0.388)	432256	100.000	99.4
8 Tertiary-butyl alcohol	59	5.391	5.380	(0.591)	213696	500.000	528
9 1,1-Dichloroethene	96	3.797	3.799	(0.416)	416874	100.000	93.8
10 Carbon Disulfide	76	3.832	3.834	(0.420)	1331211	100.000	96.3
11 Freon-113	151	3.856	3.869	(0.423)	397950	100.000	98.3
12 Iodomethane	142	3.995	3.997	(0.438)	705680	100.000	93.7
13 Acrolein	56	4.297	4.299	(0.471)	484229	500.000	486
14 Methylene Chloride	84	4.658	4.659	(0.511)	508691	100.000	92.9
15 Acetone	43	4.774	4.776	(0.523)	1020905	500.000	466
16 Isobutyl Alcohol	43	9.426	9.428	(1.033)	370543	2000.00	2050
17 trans-1,2-Dichloroethene	96	4.914	4.915	(0.539)	490689	100.000	95.3
18 Allyl Chloride	41	4.484	4.497	(0.491)	888948	100.000	97.2
19 Methyl tert-butyl ether	73	5.135	5.125	(0.563)	2941708	200.000	190
20 Acetonitrile	39	5.577	5.590	(0.611)	169235	1000.00	996
21 Di-isopropyl ether	45	5.856	5.857	(0.642)	2035802	100.000	95.1
22 Chloroprene	53	5.995	5.985	(0.657)	912178	100.000	95.2
23 Propionitrile	54	9.019	9.009	(0.989)	750387	1000.00	970

Data File: \\Target_server\GG\chem\gcms-s.i\S011608B.b\S8690.D
Report Date: 17-Jan-2008 07:00

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)
	24 Methacrylonitrile	41	9.031	9.032	(0.990)	3901280	1000.00	968
	25 1,1-Dichloroethane	63	6.042	6.032	(0.662)	905314	100.000	92.4
	26 Acrylonitrile	52	6.182	6.183	(0.678)	1025012	500.000	480
	27 Ethyl tertiary-butyl ether	59	6.635	6.625	(0.727)	1847047	100.000	96.6
	28 Vinyl Acetate	43	6.647	6.648	(0.675)	1449449	100.000	97.4
	29 cis-1,2-Dichloroethene	96	7.240	7.241	(0.794)	574316	100.000	97.0
M	30 1,2-Dichloroethylene (total)	96				1065005	100.000	192
	31 Methyl Methacrylate	41	10.717	10.719	(1.089)	630314	100.000	103
	32 2,2-Dichloropropane	77	7.461	7.462	(0.818)	807532	100.000	94.4
	33 Bromochloromethane	128	7.670	7.672	(0.841)	285448	100.000	94.4
	34 Chloroform	83	7.891	7.893	(0.865)	977647	100.000	95.4
	35 Carbon Tetrachloride	117	8.100	8.090	(0.823)	667832	100.000	98.9
	36 Tetrahydrofuran	42	8.193	8.195	(0.898)	880490	500.000	485
$	37 Dibromofluoromethane	113	8.252	8.265	(0.904)	639084	100.000	93.1
	38 1,1,1-Trichloroethane	97	8.240	8.241	(0.903)	790153	100.000	94.5
	39 1,1-Dichloropropene	75	8.484	8.486	(0.862)	711250	100.000	96.5
	40 2-Butanone	43	8.531	8.532	(0.935)	1581948	500.000	489
	41 Benzene	78	8.915	8.904	(0.906)	1885520	100.000	95.9
*	42 Pentafluorobenzene	168	9.124	9.125	(1.000)	627146	50.0000	
	43 Cyclohexane	56	7.624	7.637	(0.836)	670970	100.000	95.8
	44 Ethyl Methacrylate	69	12.171	12.161	(1.236)	694802	100.000	97.4
$	45 1,2-Dichloroethane-D4	65	9.135	9.137	(1.001)	742495	100.000	97.8
	46 Tertiary-amyl methyl ether	73	9.159	9.160	(1.004)	1544016	100.000	98.5
	47 1,2-Dichloroethane	62	9.240	9.242	(0.939)	837542	100.000	94.9
	48 Trichloroethene	95	9.775	9.777	(0.993)	539469	100.000	101
*	49 1,4-Difluorobenzene	114	9.845	9.846	(1.000)	887811	50.0000	
	50 Dibromomethane	93	10.287	10.288	(1.045)	409529	100.000	96.6
	51 1,2-Dichloropropane	63	10.415	10.416	(1.058)	520449	100.000	98.3
	52 Bromodichloromethane	83	10.508	10.509	(1.067)	789370	100.000	97.5
	53 cis-1,3-dichloropropene	75	11.194	11.195	(1.137)	822694	100.000	97.1
	54 1,4-Dioxane	88	10.764	10.753	(1.093)	115710	2000.00	2550
$	55 Toluene-D8	98	11.392	11.393	(1.157)	1711086	100.000	98.0
	56 2-Chloroethylvinylether	63	11.159	11.160	(1.133)	173597	100.000	96.4
	57 Toluene	92	11.450	11.451	(1.163)	1116741	100.000	100
	58 4-methyl-2-pentanone	43	11.915	11.916	(1.210)	2881938	500.000	504
	59 Tetrachloroethene	164	11.892	11.893	(0.895)	446240	100.000	92.3
	60 trans-1,3-Dichloropropene	75	11.962	11.951	(1.215)	795799	100.000	100
	61 1,1,2-Trichloroethane	83	12.148	12.149	(1.234)	407578	100.000	97.3
	62 Dibromochloromethane	129	12.357	12.358	(0.930)	656105	100.000	90.0
	63 1,3-Dichloropropane	76	12.473	12.475	(0.939)	897705	100.000	97.3
	64 1,2-Dibromoethane	107	12.636	12.637	(1.283)	600769	100.000	99.1
	65 2-Hexanone	43	12.950	12.951	(0.975)	2078462	500.000	454
*	66 Chlorobenzene-D5	117	13.287	13.289	(1.000)	749811	50.0000	
	67 Chlorobenzene	112	13.311	13.312	(1.002)	1262477	100.000	96.8
	152 1-Chlorohexane	91	13.287	13.289	(1.456)	612167	100.000	99.2
	68 Ethylbenzene	91	13.345	13.347	(1.004)	2254755	100.000	98.5
	69 1,1,1,2-Tetrachloroethane	131	13.392	13.393	(1.008)	540834	100.000	94.9
M	70 Xylenes (total)	106				2285301	300.000	281
	71 m+p-Xylenes	106	13.543	13.533	(1.019)	1488258	200.000	188
	72 o-Xylene	106	14.090	14.091	(1.060)	797043	100.000	93.2
	73 Styrene	104	14.160	14.161	(1.066)	1360549	100.000	93.7
	74 Bromoform	173	14.194	14.196	(1.068)	490548	100.000	92.5
	75 Isopropylbenzene	105	14.508	14.510	(0.883)	1691131	100.000	91.8
$	76 P-Bromofluorobenzene	95	14.881	14.882	(1.511)	694942	100.000	93.6

Data File: \\Target_server\GG\chem\gcms-s.i\S011608B.b\S8690.D
Report Date: 17-Jan-2008 07:00

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)
77 cis-1,4-Dichloro-2-Butene	53	14.985	14.975	(0.912)	202500	100.000	92.9
78 trans-1,4-Dichloro-2-Butene	53	15.416	15.405	(0.938)	226229	100.000	98.6
79 Bromobenzene	156	15.020	15.022	(0.914)	625932	100.000	96.3
80 N-Propylbenzene	91	15.067	15.068	(0.917)	2314261	100.000	94.6
81 1,1,2,2-Tetrachloroethane	83	15.171	15.173	(0.924)	666302	100.000	93.6
82 1,3,5-Trimethylbenzene	105	15.334	15.336	(0.933)	1502741	100.000	96.8
83 2-Chlorotoluene	91	15.276	15.266	(0.930)	1457972	100.000	94.3
84 1,2,3-Trichloropropane	75	15.346	15.347	(0.934)	510124	100.000	96.0
85 4-Chlorotoluene	91	15.509	15.498	(0.944)	1571691	100.000	94.5
86 tert-Butylbenzene	119	15.776	15.766	(0.960)	1527713	100.000	95.0
87 Pentachloroethane	117	15.799	15.801	(0.962)	416530	100.000	95.8
88 1,2,4-Trimethylbenzene	105	15.869	15.871	(0.966)	1639145	100.000	96.2
89 P-Isopropyltoluene	119	16.230	16.231	(0.988)	1425261	100.000	97.4
90 1,3-Dichlorobenzene	146	16.323	16.324	(0.994)	1012640	100.000	94.6
* 91 1,4-Dichlorobenzene-D4	152	16.427	16.428	(1.000)	432051	50.0000	
92 1,4-Dichlorobenzene	146	16.451	16.452	(1.001)	1044453	100.000	97.3
93 N-Butylbenzene	91	16.834	16.824	(1.025)	1224902	100.000	98.7
94 sec-Butylbenzene	105	16.020	16.021	(0.975)	1771264	100.000	99.6
95 1,2-Dichlorobenzene	146	17.055	17.045	(1.038)	977141	100.000	92.7
96 1,2-Dibromo-3-Chloropropane	75	18.230	18.231	(1.110)	139863	100.000	94.0
97 1,3,5-Trichlorobenzene	180	18.277	18.278	(1.113)	717108	100.000	98.5
98 Hexachlorobutadiene	225	19.219	19.220	(1.170)	213370	100.000	94.6
99 1,2,4-Trichlorobenzene	180	19.253	19.255	(1.172)	565535	100.000	94.8
100 1,2,3-Trimethylbenzene	105	16.486	16.486	(1.004)	1734086	100.000	97.7
101 Naphthalene	128	19.754	19.743	(1.202)	1239745	100.000	93.1
102 1,2,3-Trichlorobenzene	180	20.033	20.034	(1.219)	521821	100.000	96.8
103 Methyl Acetate	43	4.972	4.985	(0.545)	525414	100.000	94.8
104 Methylcyclohexane	83	9.740	9.742	(1.068)	659895	100.000	103
M 153 Total Alkylbenzenes	100				11405287	100.000	678

Data File: \\Target_server\GG\chem\gcms-s.i\S011608B.b\S8690.D
Report Date: 17-Jan-2008 07:00

Katahdin Analytical Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcms-s.i
Lab File ID: S8690.D
Lab Smp Id: VSTD100S16A
Analysis Type: VOA
Quant Type: ISTD
Operator: SKT
Method File: \\Target_server\GG\chem\gcms-s.i\S011608B.b\s826a48.m
Misc Info: SW846 8260B

Calibration Date: 16-JAN-2008
Calibration Time: 16:59

Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 4

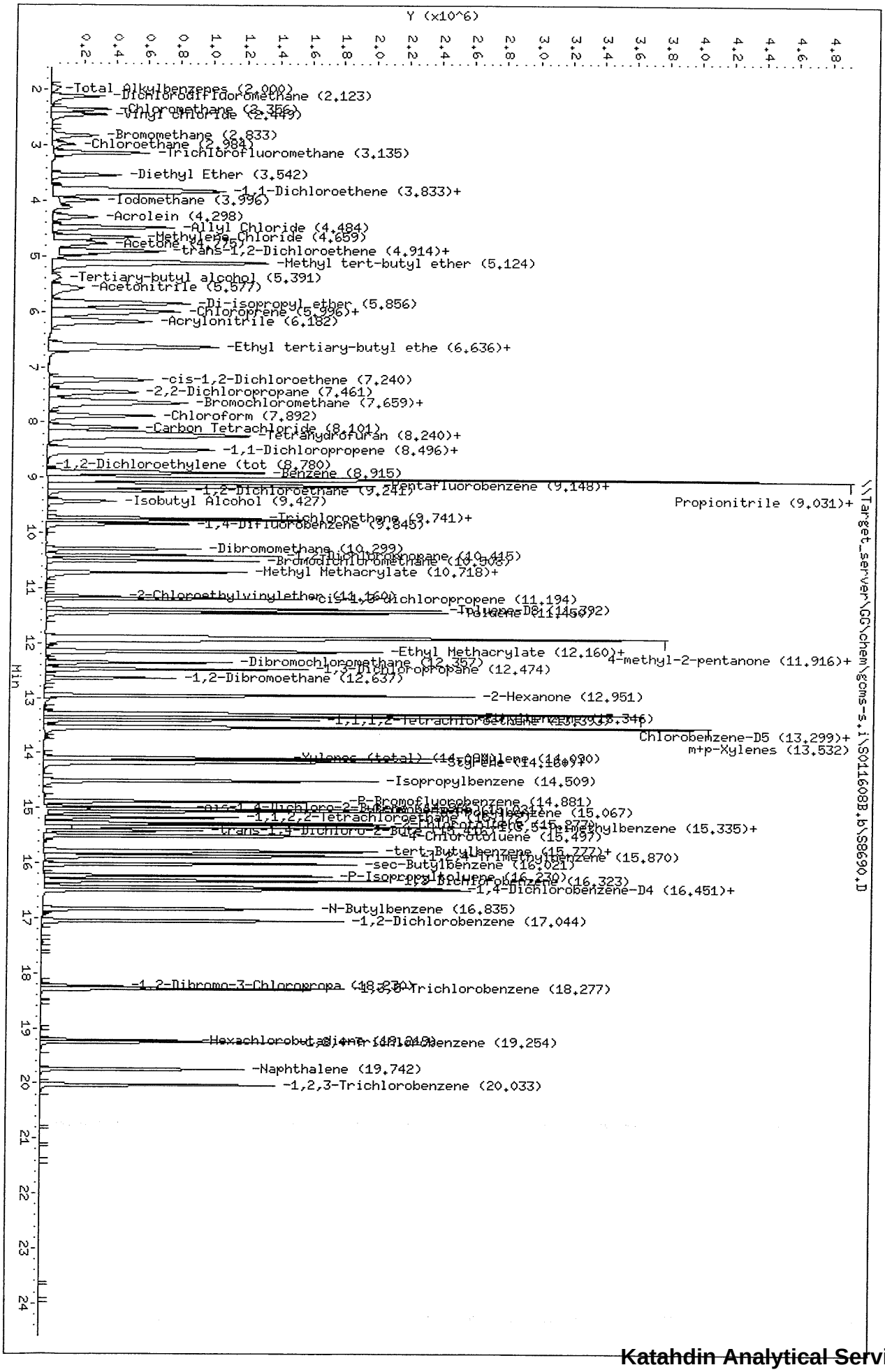
COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	617774	308887	1235548	627146	1.52
49 1,4-Difluorobenze	868971	434486	1737942	887811	2.17
66 Chlorobenzene-D5	687098	343549	1374196	749811	9.13
91 1,4-Dichlorobenze	404394	202197	808788	432051	6.84

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	9.13	8.63	9.63	9.12	-0.01
49 1,4-Difluorobenze	9.85	9.35	10.35	9.85	-0.01
66 Chlorobenzene-D5	13.29	12.79	13.79	13.29	-0.01
91 1,4-Dichlorobenze	16.43	15.93	16.93	16.43	-0.01

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.

Data File: \\Target_server\GC\chem\gcms-s.i\S011608B.b\S8690.D
Date : 16-JAN-2008 16:28
Client ID:
Sample Info: VSTD100S16A
Purge Volume: 5.0
Column phase: RTX-VMS

Instrument: gcms-s.i
Operator: SKT
Column diameter: 0.18



Data File: \\Target_server\GG\chem\gcms-s.i\S011608B.b\S8691.D
Report Date: 22-Jan-2008 06:33

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gcms-s.i\S011608B.b\S8691.D
Lab Smp Id: VSTD050S16C
Inj Date : 16-JAN-2008 16:59 MS Autotune Date: 21-NOV-2007 15:16
Operator : SKT Inst ID: gcms-s.i
Smp Info : VSTD050S16C
Misc Info : SW846 8260B
Comment :
Method : \\Target_server\GG\chem\gcms-s.i\S011608B.b\s826a48.m
Meth Date : 17-Jan-2008 06:59 sthompson Quant Type: ISTD
Cal Date : 21-DEC-2007 22:38 Cal File: S8373.D
Als bottle: 16 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.12

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	sample purged
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	ON-COL (ug/l)	
1 Dichlorodifluoromethane	85	2.124	2.124	(0.233)	294937	50.0000		(a)
2 Chloromethane	50	2.356	2.357	(0.258)	379099	50.0000		(a)
3 Vinyl chloride	62	2.449	2.450	(0.268)	307165	50.0000		(a)
4 Bromomethane	94	2.833	2.834	(0.311)	219221	50.0000		(a)
5 Chloroethane	64	2.984	2.985	(0.327)	152685	50.0000		(a)
6 Trichlorofluoromethane	101	3.147	3.148	(0.345)	419472	50.0000		(a)
7 Diethyl Ether	59	3.542	3.543	(0.388)	219234	50.0000		(aH)
8 Tertiary-butyl alcohol	59	5.380	5.380	(0.590)	103385	250.000		(a)
9 1,1-Dichloroethene	96	3.798	3.799	(0.416)	222900	50.0000		(a)
10 Carbon Disulfide	76	3.833	3.834	(0.420)	687600	50.0000		(a)
11 Freon-113	151	3.868	3.869	(0.424)	181387	50.0000		(a)
12 Iodomethane	142	3.996	3.997	(0.438)	371310	50.0000		(a)
13 Acrolein	56	4.298	4.299	(0.471)	256020	250.000		(a)
14 Methylene Chloride	84	4.659	4.659	(0.511)	287917	50.0000		(a)
15 Acetone	43	4.775	4.776	(0.523)	588170	250.000		(a)
16 Isobutyl Alcohol	43	9.427	9.428	(1.033)	187063	1000.00		(a)
17 trans-1,2-Dichloroethene	96	4.915	4.915	(0.539)	263514	50.0000		(a)
18 Allyl Chloride	41	4.496	4.497	(0.493)	464772	50.0000		(a)
19 Methyl tert-butyl ether	73	5.124	5.125	(0.562)	1670550	100.000		(a)
20 Acetonitrile	39	5.589	5.590	(0.613)	88005	500.000		(a)
21 Di-isopropyl ether	45	5.857	5.857	(0.642)	1113822	50.0000		(a)
22 Chloroprene	53	5.985	5.985	(0.656)	498759	50.0000		(a)
23 Propionitrile	54	9.008	9.009	(0.987)	418794	500.000		(a)
24 Methacrylonitrile	41	9.032	9.032	(0.990)	2236567	500.000		(a)

Data File: \\Target_server\GG\chem\gcms-s.i\S011608B.b\S8691.D
Report Date: 22-Jan-2008 06:33

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)	
	25 1,1-Dichloroethane	63	6.031	6.032	(0.661)	528195	50.0000		(a)
	26 Acrylonitrile	52	6.182	6.183	(0.678)	553688	250.000		(a)
	27 Ethyl tertiary-butyl ether	59	6.624	6.625	(0.726)	987256	50.0000		(a)
	28 Vinyl Acetate	43	6.648	6.648	(0.675)	788932	50.0000		(a)
	29 cis-1,2-Dichloroethene	96	7.241	7.241	(0.794)	311198	50.0000		(a)
M	30 1,2-Dichloroethylene (total)	96				574712	50.0000		(a)
	31 Methyl Methacrylate	41	10.718	10.719	(1.089)	315188	50.0000		(a)
	32 2,2-Dichloropropane	77	7.462	7.462	(0.818)	435091	50.0000		(a)
	33 Bromochloromethane	128	7.671	7.672	(0.841)	164575	50.0000		(a)
	34 Chloroform	83	7.892	7.893	(0.865)	534920	50.0000		(a)
	35 Carbon Tetrachloride	117	8.090	8.090	(0.822)	333304	50.0000		(a)
	36 Tetrahydrofuran	42	8.194	8.195	(0.898)	478014	250.000		(a)
$	37 Dibromofluoromethane	113	8.264	8.265	(0.906)	363235	50.0000		(a)
	38 1,1,1-Trichloroethane	97	8.241	8.241	(0.903)	429499	50.0000		(a)
	39 1,1-Dichloropropene	75	8.485	8.486	(0.862)	377483	50.0000		(a)
	40 2-Butanone	43	8.532	8.532	(0.935)	830518	250.000		(a)
	41 Benzene	78	8.904	8.904	(0.904)	1063862	50.0000		(a)
*	42 Pentafluorobenzene	168	9.125	9.125	(1.000)	617774	50.0000		
	43 Cyclohexane	56	7.636	7.637	(0.837)	348028	50.0000		(a)
	44 Ethyl Methacrylate	69	12.160	12.161	(1.235)	376205	50.0000		(a)
$	45 1,2-Dichloroethane-D4	65	9.136	9.137	(1.001)	398349	50.0000		(a)
	46 Tertiary-amyl methyl ether	73	9.160	9.160	(1.004)	826721	50.0000		(a)
	47 1,2-Dichloroethane	62	9.241	9.242	(0.939)	473354	50.0000		(a)
	48 Trichloroethene	95	9.776	9.777	(0.993)	292687	50.0000		(a)
*	49 1,4-Difluorobenzene	114	9.846	9.846	(1.000)	868971	50.0000		
	50 Dibromomethane	93	10.288	10.288	(1.045)	229976	50.0000		(a)
	51 1,2-Dichloropropane	63	10.416	10.416	(1.058)	290676	50.0000		(a)
	52 Bromodichloromethane	83	10.509	10.509	(1.067)	425647	50.0000		(a)
	53 cis-1,3-dichloropropene	75	11.195	11.195	(1.137)	450524	50.0000		(a)
	54 1,4-Dioxane	88	10.753	10.753	(1.092)	55307	1000.00		(a)
$	55 Toluene-D8	98	11.393	11.393	(1.157)	971971	50.0000		(a)
	56 2-Chloroethylvinylether	63	11.160	11.160	(1.133)	95868	50.0000		(a)
	57 Toluene	92	11.451	11.451	(1.163)	574624	50.0000		(a)
	58 4-methyl-2-pentanone	43	11.916	11.916	(1.210)	1608518	250.000		(a)
	59 Tetrachloroethene	164	11.893	11.893	(0.895)	238593	50.0000		(a)
	60 trans-1,3-Dichloropropene	75	11.951	11.951	(1.214)	411484	50.0000		(a)
	61 1,1,2-Trichloroethane	83	12.149	12.149	(1.234)	227383	50.0000		(a)
	62 Dibromochloromethane	129	12.358	12.358	(0.930)	372507	50.0000		(a)
	63 1,3-Dichloropropane	76	12.474	12.475	(0.939)	467624	50.0000		(a)
	64 1,2-Dibromoethane	107	12.637	12.637	(1.283)	318773	50.0000		(a)
	65 2-Hexanone	43	12.951	12.951	(0.975)	1238234	250.000		(a)
*	66 Chlorobenzene-D5	117	13.288	13.289	(1.000)	687098	50.0000		
	67 Chlorobenzene	112	13.312	13.312	(1.002)	670451	50.0000		(a)
	152 1-Chlorohexane	91	13.288	13.289	(1.456)	294287	50.0000		(a)
	68 Ethylbenzene	91	13.346	13.347	(1.004)	1166343	50.0000		(a)
	69 1,1,1,2-Tetrachloroethane	131	13.393	13.393	(1.008)	291742	50.0000		(a)
M	70 Xylenes (total)	106				1289377	150.000		(a)
	71 m+p-Xylenes	106	13.532	13.533	(1.018)	850433	100.000		(a)
	72 o-Xylene	106	14.091	14.091	(1.060)	438944	50.0000		(a)
	73 Styrene	104	14.160	14.161	(1.066)	756527	50.0000		(a)
	74 Bromoform	173	14.195	14.196	(1.068)	270252	50.0000		(a)
	75 Isopropylbenzene	105	14.509	14.510	(0.883)	951477	50.0000		(a)
$	76 P-Bromofluorobenzene	95	14.882	14.882	(1.511)	426178	50.0000		(a)
	77 cis-1,4-Dichloro-2-Butene	53	14.975	14.975	(0.912)	100103	50.0000		(a)

Data File: \\Target_server\GG\chem\gcms-s.i\S011608B.b\S8691.D
Report Date: 22-Jan-2008 06:33

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)	
	78 trans-1,4-Dichloro-2-Butene	53	15.405	15.405	(0.938)	110486	50.0000		(a)
	79 Bromobenzene	156	15.021	15.022	(0.914)	327574	50.0000		(a)
	80 N-Propylbenzene	91	15.068	15.068	(0.917)	1266848	50.0000		(a)
	81 1,1,2,2-Tetrachloroethane	83	15.172	15.173	(0.924)	374561	50.0000		(a)
	82 1,3,5-Trimethylbenzene	105	15.335	15.336	(0.933)	780091	50.0000		(a)
	83 2-Chlorotoluene	91	15.265	15.266	(0.929)	809215	50.0000		(a)
	84 1,2,3-Trichloropropane	75	15.347	15.347	(0.934)	272428	50.0000		(a)
	85 4-Chlorotoluene	91	15.498	15.498	(0.943)	846793	50.0000		(a)
	86 tert-Butylbenzene	119	15.765	15.766	(0.960)	785996	50.0000		(a)
	87 Pentachloroethane	117	15.800	15.801	(0.962)	210218	50.0000		(a)
	88 1,2,4-Trimethylbenzene	105	15.870	15.871	(0.966)	822830	50.0000		(a)
	89 P-Isopropyltoluene	119	16.231	16.231	(0.988)	685997	50.0000		(a)
	90 1,3-Dichlorobenzene	146	16.324	16.324	(0.994)	536559	50.0000		(a)
*	91 1,4-Dichlorobenzene-D4	152	16.428	16.428	(1.000)	404394	50.0000		
	92 1,4-Dichlorobenzene	146	16.452	16.452	(1.001)	528478	50.0000		(a)
	93 N-Butylbenzene	91	16.824	16.824	(1.024)	570235	50.0000		(a)
	94 sec-Butylbenzene	105	16.021	16.021	(0.975)	781701	50.0000		(a)
	95 1,2-Dichlorobenzene	146	17.045	17.045	(1.038)	549738	50.0000		(a)
	96 1,2-Dibromo-3-Chloropropane	75	18.231	18.231	(1.110)	77024	50.0000		(a)
	97 1,3,5-Trichlorobenzene	180	18.277	18.278	(1.113)	339195	50.0000		(a)
	98 Hexachlorobutadiene	225	19.219	19.220	(1.170)	100510	50.0000		(a)
	99 1,2,4-Trichlorobenzene	180	19.254	19.255	(1.172)	290219	50.0000		(a)
	100 1,2,3-Trimethylbenzene	105	16.486	16.486	(1.004)	882901	50.0000		(a)
	101 Naphthalene	128	19.743	19.743	(1.202)	675034	50.0000		(a)
	102 1,2,3-Trichlorobenzene	180	20.034	20.034	(1.219)	266393	50.0000		(a)
	103 Methyl Acetate	43	4.985	4.985	(0.546)	273954	50.0000		(a)
	104 Methylcyclohexane	83	9.741	9.742	(1.068)	299525	50.0000		(a)
M	153 Total Alkylbenzenes	100				5693698	50.0000		(a)

QC Flag Legend

a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).
H - Operator selected an alternate compound hit.

Data File: \\Target_server\GG\chem\gcms-s.i\S011608B.b\S8691.D
Report Date: 17-Jan-2008 07:00

Katahdin Analytical Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcms-s.i
Lab File ID: S8691.D
Lab Smp Id: VSTD050S16C
Analysis Type: VOA
Quant Type: ISTD
Operator: SKT
Method File: \\Target_server\GG\chem\gcms-s.i\S011608B.b\s826a48.m
Misc Info: SW846 8260B

Calibration Date: 16-JAN-2008
Calibration Time: 16:59

Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 4

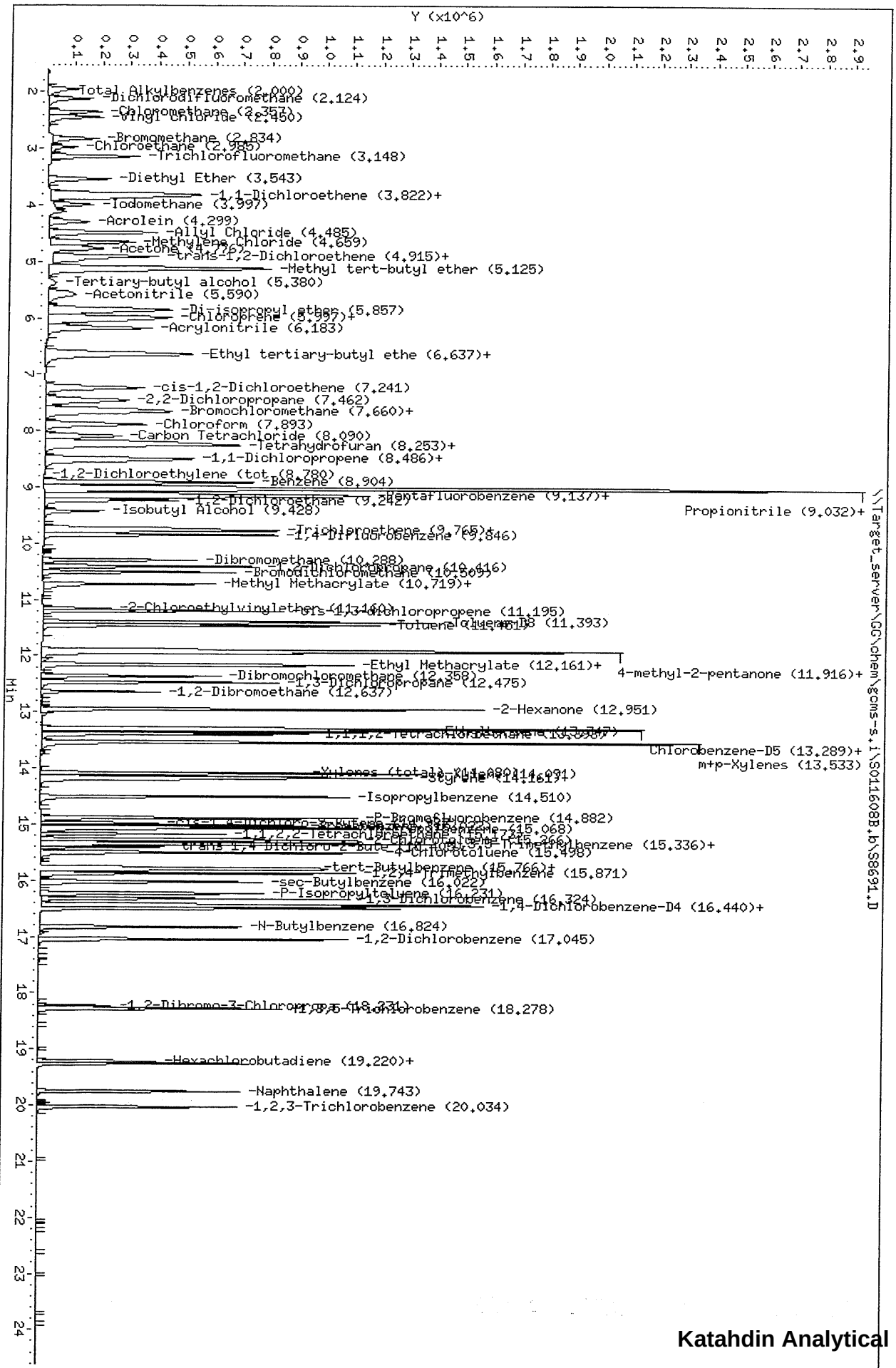
COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	617774	308887	1235548	617774	0.00
49 1,4-Difluorobenze	868971	434486	1737942	868971	0.00
66 Chlorobenzene-D5	687098	343549	1374196	687098	0.00
91 1,4-Dichlorobenze	404394	202197	808788	404394	0.00

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	9.13	8.63	9.63	9.13	0.00
49 1,4-Difluorobenze	9.85	9.35	10.35	9.85	0.00
66 Chlorobenzene-D5	13.29	12.79	13.79	13.29	0.00
91 1,4-Dichlorobenze	16.43	15.93	16.93	16.43	0.00

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.

Data File: \\Target_server\GC\chem\gcms-s.i\S011608B.b\S8691.D
Date : 16-JAN-2008 16:59
Client ID:
Sample Info: VSTD050S16C
Purge Volume: 5.0
Column phase: RTX-VMS

Instrument: gcms-s.i
Operator: SKT
Column diameter: 0.18



Data File: \\Target_server\GG\chem\gcms-s.i\S011608B.b\S8692.D
Report Date: 17-Jan-2008 07:00

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gcms-s.i\S011608B.b\S8692.D
Lab Smp Id: VSTD020S16A
Inj Date : 16-JAN-2008 17:30 MS Autotune Date: 21-NOV-2007 15:16
Operator : SKT Inst ID: gcms-s.i
Smp Info : VSTD020S16A
Misc Info : SW846 8260B
Comment :
Method : \\Target_server\GG\chem\gcms-s.i\S011608B.b\s826a48.m
Meth Date : 17-Jan-2008 06:59 sthompson Quant Type: ISTD
Cal Date : 16-JAN-2008 17:30 Cal File: S8692.D
Als bottle: 17 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.12
Processing Host: TARGET04

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	sample purged
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)
1 Dichlorodifluoromethane	85	2.124	2.124	(0.233)	118649	20.0000	19.3
2 Chloromethane	50	2.345	2.357	(0.257)	171723	20.0000	22.4
3 Vinyl chloride	62	2.438	2.450	(0.267)	133256	20.0000	21.3
4 Bromomethane	94	2.822	2.834	(0.309)	97380	20.0000	22.7
5 Chloroethane	64	2.973	2.985	(0.326)	65104	20.0000	22.8
6 Trichlorofluoromethane	101	3.136	3.148	(0.344)	177875	20.0000	20.8
7 Diethyl Ether	59	3.543	3.543	(0.388)	94847	20.0000	21.5
8 Tertiary-butyl alcohol	59	5.369	5.380	(0.588)	43211	100.000	106
9 1,1-Dichloroethene	96	3.799	3.799	(0.416)	99609	20.0000	22.0
10 Carbon Disulfide	76	3.822	3.834	(0.419)	315908	20.0000	22.3
11 Freon-113	151	3.857	3.869	(0.423)	76775	20.0000	19.4
12 Iodomethane	142	3.996	3.997	(0.438)	150013	20.0000	20.1
13 Acrolein	56	4.287	4.299	(0.470)	95933	100.000	98.2
14 Methylene Chloride	84	4.659	4.659	(0.511)	123874	20.0000	22.1
15 Acetone	43	4.764	4.776	(0.522)	220964	100.000	102
16 Isobutyl Alcohol	43	9.427	9.428	(1.033)	75313	400.000	417
17 trans-1,2-Dichloroethene	96	4.915	4.915	(0.539)	107982	20.0000	20.9
18 Allyl Chloride	41	4.485	4.497	(0.492)	190918	20.0000	20.8
19 Methyl tert-butyl ether	73	5.113	5.125	(0.560)	668422	40.0000	42.8
20 Acetonitrile	39	5.590	5.590	(0.613)	33881	200.000	201
21 Di-isopropyl ether	45	5.845	5.857	(0.641)	481850	20.0000	22.0
22 Chloroprene	53	5.973	5.985	(0.655)	200358	20.0000	20.9
23 Propionitrile	54	8.997	9.009	(0.986)	160032	200.000	207

Data File: \\Target_server\GG\chem\gcms-s.i\S011608B.b\S8692.D
Report Date: 17-Jan-2008 07:00

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)
	24 Methacrylonitrile	41	9.020	9.032	(0.989)	897418	200.000	218
	25 1,1-Dichloroethane	63	6.031	6.032	(0.661)	215706	20.0000	21.7
	26 Acrylonitrile	52	6.171	6.183	(0.676)	207745	100.000	99.0
	27 Ethyl tertiary-butyl ether	59	6.625	6.625	(0.726)	399089	20.0000	20.8
	28 Vinyl Acetate	43	6.648	6.648	(0.676)	311614	20.0000	20.2
	29 cis-1,2-Dichloroethene	96	7.229	7.241	(0.792)	138772	20.0000	22.7
M	30 1,2-Dichloroethylene (total)	96				246754	20.0000	43.6
	31 Methyl Methacrylate	41	10.718	10.719	(1.090)	122886	20.0000	19.6
	32 2,2-Dichloropropane	77	7.462	7.462	(0.818)	184234	20.0000	21.3
	33 Bromochloromethane	128	7.671	7.672	(0.841)	67714	20.0000	21.9
	34 Chloroform	83	7.881	7.893	(0.864)	233274	20.0000	22.2
	35 Carbon Tetrachloride	117	8.090	8.090	(0.823)	136974	20.0000	19.8
	36 Tetrahydrofuran	42	8.195	8.195	(0.898)	184970	100.000	102
$	37 Dibromofluoromethane	113	8.253	8.265	(0.904)	146827	20.0000	21.2
	38 1,1,1-Trichloroethane	97	8.241	8.241	(0.903)	185819	20.0000	21.8
	39 1,1-Dichloropropene	75	8.485	8.486	(0.863)	167775	20.0000	21.5
	40 2-Butanone	43	8.532	8.532	(0.935)	325948	100.000	102
	41 Benzene	78	8.904	8.904	(0.905)	437987	20.0000	21.2
*	42 Pentafluorobenzene	168	9.125	9.125	(1.000)	619053	50.0000	
	43 Cyclohexane	56	7.625	7.637	(0.836)	141423	20.0000	20.3
	44 Ethyl Methacrylate	69	12.160	12.161	(1.237)	152805	20.0000	20.6
$	45 1,2-Dichloroethane-D4	65	9.137	9.137	(1.001)	154590	20.0000	20.5
	46 Tertiary-amyl methyl ether	73	9.160	9.160	(1.004)	335863	20.0000	21.2
	47 1,2-Dichloroethane	62	9.230	9.242	(0.939)	190960	20.0000	20.7
	48 Trichloroethene	95	9.765	9.777	(0.993)	125297	20.0000	22.0
*	49 1,4-Difluorobenzene	114	9.834	9.846	(1.000)	915090	50.0000	
	50 Dibromomethane	93	10.288	10.288	(1.046)	93488	20.0000	21.0
	51 1,2-Dichloropropane	63	10.404	10.416	(1.058)	126443	20.0000	22.3
	52 Bromodichloromethane	83	10.509	10.509	(1.069)	182031	20.0000	21.3
	53 cis-1,3-dichloropropene	75	11.195	11.195	(1.138)	198634	20.0000	22.0
	54 1,4-Dioxane	88	10.753	10.753	(1.093)	34482	400.000	608
$	55 Toluene-D8	98	11.393	11.393	(1.158)	401713	20.0000	21.7
	56 2-Chloroethylvinylether	63	11.160	11.160	(1.135)	39438	20.0000	20.9
	57 Toluene	92	11.451	11.451	(1.164)	263554	20.0000	22.1
	58 4-methyl-2-pentanone	43	11.916	11.916	(1.212)	660129	100.000	109
	59 Tetrachloroethene	164	11.893	11.893	(0.895)	107603	20.0000	20.7
	60 trans-1,3-Dichloropropene	75	11.951	11.951	(1.215)	176359	20.0000	21.2
	61 1,1,2-Trichloroethane	83	12.149	12.149	(1.235)	101360	20.0000	22.5
	62 Dibromochloromethane	129	12.358	12.358	(0.930)	142196	20.0000	18.8
	63 1,3-Dichloropropane	76	12.474	12.475	(0.939)	180259	20.0000	18.8
	64 1,2-Dibromoethane	107	12.637	12.637	(1.285)	136024	20.0000	21.3
	65 2-Hexanone	43	12.951	12.951	(0.975)	447706	100.000	94.3
*	66 Chlorobenzene-D5	117	13.288	13.289	(1.000)	792420	50.0000	
	67 Chlorobenzene	112	13.300	13.312	(1.001)	310278	20.0000	21.8
	152 1-Chlorohexane	91	13.288	13.289	(1.456)	141862	20.0000	22.4
	68 Ethylbenzene	91	13.347	13.347	(1.004)	558519	20.0000	22.2
	69 1,1,1,2-Tetrachloroethane	131	13.393	13.393	(1.008)	123690	20.0000	20.4
M	70 Xylenes (total)	106				577592	60.0000	65.3
	71 m+p-Xylenes	106	13.533	13.533	(1.018)	392770	40.0000	44.9
	72 o-Xylene	106	14.091	14.091	(1.060)	184822	20.0000	20.3
	73 Styrene	104	14.161	14.161	(1.066)	329453	20.0000	21.1
	74 Bromoform	173	14.196	14.196	(1.068)	105896	20.0000	19.2
	75 Isopropylbenzene	105	14.510	14.510	(0.883)	386869	20.0000	21.4
$	76 P-Bromofluorobenzene	95	14.882	14.882	(1.513)	160380	20.0000	20.7

Data File: \\Target_server\GG\chem\gcms-s.i\S011608B.b\S8692.D
Report Date: 17-Jan-2008 07:00

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)
	77 cis-1,4-Dichloro-2-Butene	53	14.975	14.975	(0.912)	36408	20.0000	18.0
	78 trans-1,4-Dichloro-2-Butene	53	15.405	15.405	(0.938)	39537	20.0000	18.4
	79 Bromobenzene	156	15.021	15.022	(0.914)	146793	20.0000	22.6
	80 N-Propylbenzene	91	15.068	15.068	(0.917)	510836	20.0000	21.3
	81 1,1,2,2-Tetrachloroethane	83	15.172	15.173	(0.924)	142058	20.0000	20.6
	82 1,3,5-Trimethylbenzene	105	15.335	15.336	(0.933)	327786	20.0000	21.5
	83 2-Chlorotoluene	91	15.266	15.266	(0.929)	330166	20.0000	21.7
	84 1,2,3-Trichloropropane	75	15.347	15.347	(0.934)	108533	20.0000	21.0
	85 4-Chlorotoluene	91	15.498	15.498	(0.943)	338722	20.0000	20.9
	86 tert-Butylbenzene	119	15.777	15.766	(0.960)	315345	20.0000	20.4
	87 Pentachloroethane	117	15.801	15.801	(0.962)	85655	20.0000	20.4
	88 1,2,4-Trimethylbenzene	105	15.870	15.871	(0.966)	369209	20.0000	21.9
	89 P-Isopropyltoluene	119	16.231	16.231	(0.988)	276827	20.0000	19.8
	90 1,3-Dichlorobenzene	146	16.324	16.324	(0.994)	229592	20.0000	21.7
*	91 1,4-Dichlorobenzene-D4	152	16.429	16.428	(1.000)	413973	50.0000	
	92 1,4-Dichlorobenzene	146	16.452	16.452	(1.001)	232484	20.0000	21.9
	93 N-Butylbenzene	91	16.824	16.824	(1.024)	213857	20.0000	18.4
	94 sec-Butylbenzene	105	16.021	16.021	(0.975)	373245	20.0000	21.4
	95 1,2-Dichlorobenzene	146	17.045	17.045	(1.038)	223129	20.0000	21.5
	96 1,2-Dibromo-3-Chloropropane	75	18.231	18.231	(1.110)	28391	20.0000	19.9
	97 1,3,5-Trichlorobenzene	180	18.278	18.278	(1.113)	150597	20.0000	21.2
	98 Hexachlorobutadiene	225	19.220	19.220	(1.170)	44146	20.0000	20.3
	99 1,2,4-Trichlorobenzene	180	19.255	19.255	(1.172)	116444	20.0000	20.3
	100 1,2,3-Trimethylbenzene	105	16.487	16.486	(1.004)	358873	20.0000	20.8
	101 Naphthalene	128	19.743	19.743	(1.202)	284032	20.0000	21.6
	102 1,2,3-Trichlorobenzene	180	20.034	20.034	(1.219)	104878	20.0000	20.2
	103 Methyl Acetate	43	4.973	4.985	(0.545)	108923	20.0000	19.9
	104 Methylcyclohexane	83	9.730	9.742	(1.066)	121718	20.0000	19.4
M	153 Total Alkylbenzenes	100				2387105	20.0000	145

Data File: \\Target_server\GG\chem\gcms-s.i\S011608B.b\S8692.D
Report Date: 17-Jan-2008 07:00

Katahdin Analytical Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcms-s.i
Lab File ID: S8692.D
Lab Smp Id: VSTD020S16A
Analysis Type: VOA
Quant Type: ISTD
Operator: SKT
Method File: \\Target_server\GG\chem\gcms-s.i\S011608B.b\s826a48.m
Misc Info: SW846 8260B

Calibration Date: 16-JAN-2008
Calibration Time: 16:59

Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 4

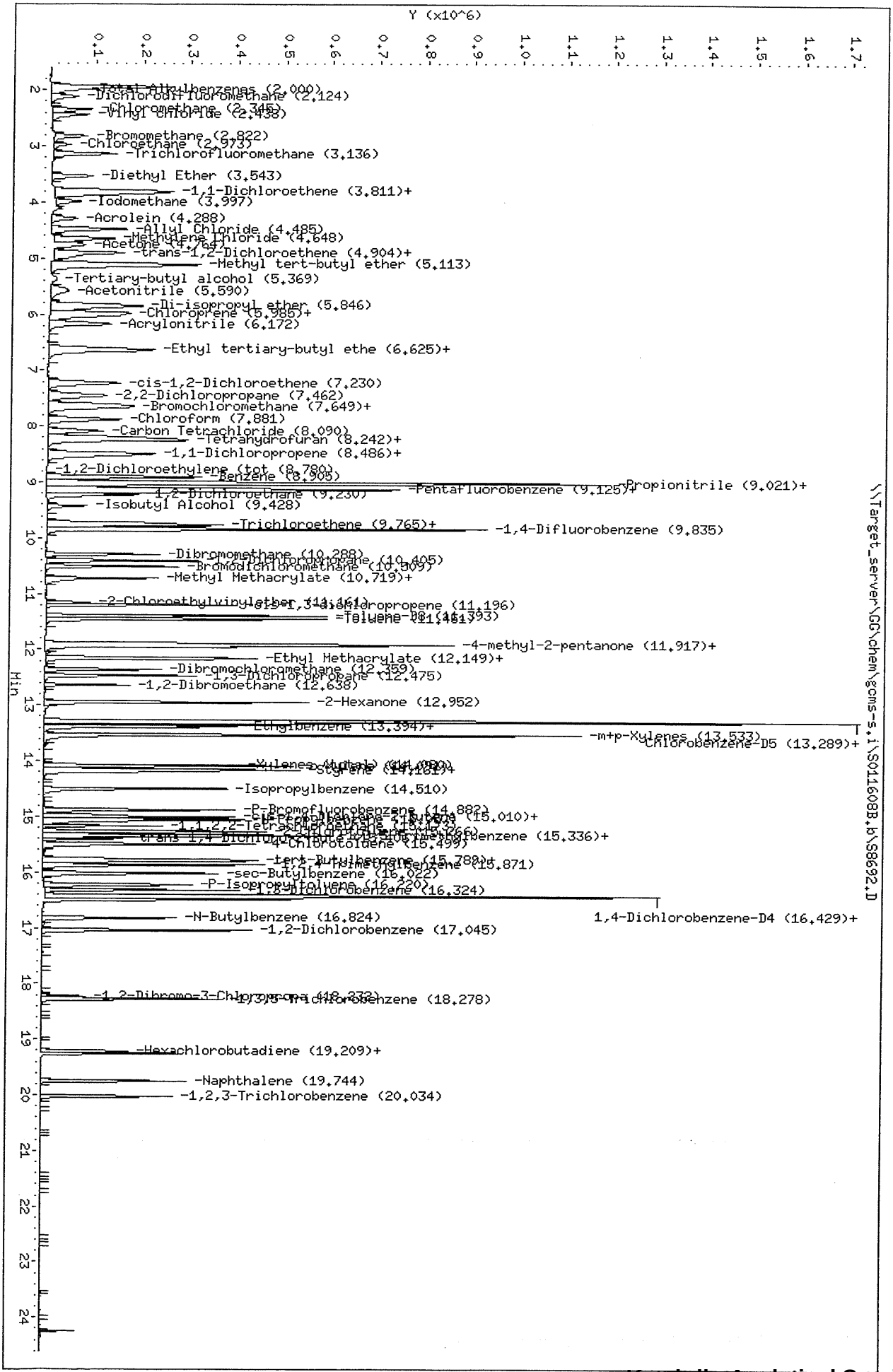
COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	617774	308887	1235548	619053	0.21
49 1,4-Difluorobenze	868971	434486	1737942	915090	5.31
66 Chlorobenzene-D5	687098	343549	1374196	792420	15.33
91 1,4-Dichlorobenze	404394	202197	808788	413973	2.37

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	9.13	8.63	9.63	9.13	0.00
49 1,4-Difluorobenze	9.85	9.35	10.35	9.83	-0.12
66 Chlorobenzene-D5	13.29	12.79	13.79	13.29	0.00
91 1,4-Dichlorobenze	16.43	15.93	16.93	16.43	0.00

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.

Data File: \\Target_server\GC\chem\gcms-s.i\S011608B.b\S8692.D
Date : 16-JAN-2008 17:30
Client ID:
Sample Info: VSTD020S16A
Purge Volume: 5.0
Column phase: RTX-VMS

Instrument: gcms-s.i
Operator: SKT
Column diameter: 0.18



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Report Date: 17-Jan-2008 07:00

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gcms-s.i\S011608B.b\S8693.D
Lab Smp Id: VSTD005S16A
Inj Date : 16-JAN-2008 18:01 MS Autotune Date: 21-NOV-2007 15:16
Operator : SKT Inst ID: gcms-s.i
Smp Info : VSTD005S16A
Misc Info : SW846 8260B
Comment :
Method : \\Target_server\GG\chem\gcms-s.i\S011608B.b\s826a48.m
Meth Date : 17-Jan-2008 06:59 sthompson Quant Type: ISTD
Cal Date : 16-JAN-2008 18:01 Cal File: S8693.D
Als bottle: 18 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.12
Processing Host: TARGET04

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	sample purged
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)
1 Dichlorodifluoromethane	85	2.124	2.124	(0.233)	19497	5.00000	3.5
2 Chloromethane	50	2.356	2.357	(0.258)	30599	5.00000	4.1
3 Vinyl chloride	62	2.449	2.450	(0.268)	21419	5.00000	3.7
4 Bromomethane	94	2.833	2.834	(0.311)	18902	5.00000	4.4
5 Chloroethane	64	2.984	2.985	(0.327)	10829	5.00000	4.1
6 Trichlorofluoromethane	101	3.147	3.148	(0.345)	29094	5.00000	3.8
7 Diethyl Ether	59	3.542	3.543	(0.388)	19083	5.00000	4.5
8 Tertiary-butyl alcohol	59	5.380	5.380	(0.590)	10456	25.0000	26.2
9 1,1-Dichloroethene	96	3.798	3.799	(0.416)	16299	5.00000	3.9
10 Carbon Disulfide	76	3.833	3.834	(0.420)	50017	5.00000	3.8
11 Freon-113	151	3.856	3.869	(0.423)	14843	5.00000	4.0
12 Iodomethane	142	3.996	3.997	(0.438)	23838	5.00000	3.6
13 Acrolein	56	4.298	4.299	(0.471)	22684	25.0000	23.2
14 Methylene Chloride	84	4.659	4.659	(0.511)	22675	5.00000	4.1(a)
15 Acetone	43	4.764	4.776	(0.522)	50496	25.0000	22.5
16 Isobutyl Alcohol	43	9.427	9.428	(1.033)	18621	100.000	99.2
17 trans-1,2-Dichloroethene	96	4.915	4.915	(0.539)	19649	5.00000	3.9
18 Allyl Chloride	41	4.484	4.497	(0.491)	36132	5.00000	4.1
19 Methyl tert-butyl ether	73	5.124	5.125	(0.562)	140300	10.0000	9.0
20 Acetonitrile	39	5.566	5.590	(0.610)	7240	50.0000	42.7(M)
21 Di-isopropyl ether	45	5.857	5.857	(0.642)	92799	5.00000	4.4
22 Chloroprene	53	5.985	5.985	(0.656)	39768	5.00000	4.3
23 Propionitrile	54	8.997	9.009	(0.986)	39220	50.0000	49.0

MQ SKT 011708

Data File: \\Target_server\GG\chem\gcms-s.i\S011608B.b\S8693.D
Report Date: 17-Jan-2008 07:00

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)
	24 Methacrylonitrile	41	9.020	9.032	(0.989)	226250	50.0000	51.8
	25 1,1-Dichloroethane	63	6.043	6.032	(0.662)	42335	5.00000	4.4
	26 Acrylonitrile	52	6.171	6.183	(0.676)	48616	25.0000	23.2
	27 Ethyl tertiary-butyl ether	59	6.636	6.625	(0.727)	80561	5.00000	4.4
	28 Vinyl Acetate	43	6.648	6.648	(0.675)	60956	5.00000	4.2
	29 cis-1,2-Dichloroethene	96	7.241	7.241	(0.794)	23802	5.00000	4.1
M	30 1,2-Dichloroethylene (total)	96				43451	5.00000	8.0
	31 Methyl Methacrylate	41	10.718	10.719	(1.089)	28332	5.00000	4.6
	32 2,2-Dichloropropane	77	7.462	7.462	(0.818)	29112	5.00000	3.7
	33 Bromochloromethane	128	7.671	7.672	(0.841)	12773	5.00000	4.4
	34 Chloroform	83	7.880	7.893	(0.864)	41669	5.00000	4.1
	35 Carbon Tetrachloride	117	8.101	8.090	(0.823)	20614	5.00000	3.5
	36 Tetrahydrofuran	42	8.206	8.195	(0.899)	41953	25.0000	22.6
$	37 Dibromofluoromethane	113	8.253	8.265	(0.904)	29110	5.00000	4.2
	38 1,1,1-Trichloroethane	97	8.241	8.241	(0.903)	29751	5.00000	3.8
	39 1,1-Dichloropropene	75	8.497	8.486	(0.863)	26318	5.00000	3.7
	40 2-Butanone	43	8.532	8.532	(0.935)	69407	25.0000	22.2
	41 Benzene	78	8.904	8.904	(0.904)	82306	5.00000	4.2
*	42 Pentafluorobenzene	168	9.125	9.125	(1.000)	637396	50.0000	
	43 Cyclohexane	56	7.625	7.637	(0.836)	21226	5.00000	3.5
	44 Ethyl Methacrylate	69	12.160	12.161	(1.235)	32368	5.00000	4.6
$	45 1,2-Dichloroethane-D4	65	9.136	9.137	(1.001)	34123	5.00000	4.3
	46 Tertiary-amyl methyl ether	73	9.171	9.160	(1.005)	69810	5.00000	4.4
	47 1,2-Dichloroethane	62	9.241	9.242	(0.939)	38551	5.00000	4.4
	48 Trichloroethene	95	9.776	9.777	(0.993)	24092	5.00000	4.4
*	49 1,4-Difluorobenzene	114	9.846	9.846	(1.000)	922052	50.0000	
	50 Dibromomethane	93	10.288	10.288	(1.045)	17894	5.00000	4.3
	51 1,2-Dichloropropane	63	10.416	10.416	(1.058)	21764	5.00000	4.0
	52 Bromodichloromethane	83	10.509	10.509	(1.067)	33367	5.00000	4.2
	53 cis-1,3-dichloropropene	75	11.195	11.195	(1.137)	32993	5.00000	3.9
	54 1,4-Dioxane	88	10.753	10.753	(1.092)	13448	100.000	162
$	55 Toluene-D8	98	11.393	11.393	(1.157)	80442	5.00000	4.3
	56 2-Chloroethylvinylether	63	11.160	11.160	(1.133)	7440	5.00000	4.2
	57 Toluene	92	11.451	11.451	(1.163)	46072	5.00000	4.0
	58 4-methyl-2-pentanone	43	11.916	11.916	(1.210)	149814	25.0000	24.7
	59 Tetrachloroethene	164	11.893	11.893	(0.895)	19068	5.00000	4.0
	60 trans-1,3-Dichloropropene	75	11.951	11.951	(1.214)	32253	5.00000	4.2
	61 1,1,2-Trichloroethane	83	12.149	12.149	(1.234)	19262	5.00000	4.5
	62 Dibromochloromethane	129	12.358	12.358	(0.930)	27007	5.00000	4.1
	63 1,3-Dichloropropane	76	12.474	12.475	(0.939)	37064	5.00000	4.3
	64 1,2-Dibromoethane	107	12.637	12.637	(1.283)	26164	5.00000	4.2
	65 2-Hexanone	43	12.951	12.951	(0.975)	101654	25.0000	22.7
*	66 Chlorobenzene-D5	117	13.288	13.289	(1.000)	768372	50.0000	
	67 Chlorobenzene	112	13.312	13.312	(1.002)	56517	5.00000	4.3
	152 1-Chlorohexane	91	13.288	13.289	(1.456)	19621	5.00000	3.3
	68 Ethylbenzene	91	13.346	13.347	(1.004)	94772	5.00000	4.2
	69 1,1,1,2-Tetrachloroethane	131	13.393	13.393	(1.008)	21975	5.00000	4.1
M	70 Xylenes (total)	106				93698	15.0000	11.9
	71 m+p-Xylenes	106	13.532	13.533	(1.018)	61713	10.0000	7.9
	72 o-Xylene	106	14.091	14.091	(1.060)	31985	5.00000	4.0
	73 Styrene	104	14.160	14.161	(1.066)	55034	5.00000	4.0
	74 Bromoform	173	14.195	14.196	(1.068)	19521	5.00000	4.0
	75 Isopropylbenzene	105	14.509	14.510	(0.883)	59249	5.00000	3.8
$	76 P-Bromofluorobenzene	95	14.882	14.882	(1.511)	33882	5.00000	4.3

Data File: \\Target_server\GG\chem\gcms-s.i\S011608B.b\S8693.D
Report Date: 17-Jan-2008 07:00

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)
	77 cis-1,4-Dichloro-2-Butene	53	14.975	14.975	(0.912)	6740	5.00000	3.9
	78 trans-1,4-Dichloro-2-Butene	53	15.405	15.405	(0.938)	7768	5.00000	4.1
	79 Bromobenzene	156	15.021	15.022	(0.914)	25832	5.00000	4.3
	80 N-Propylbenzene	91	15.068	15.068	(0.917)	72299	5.00000	3.6
	81 1,1,2,2-Tetrachloroethane	83	15.172	15.173	(0.924)	29422	5.00000	4.5
	82 1,3,5-Trimethylbenzene	105	15.335	15.336	(0.933)	54180	5.00000	4.1
	83 2-Chlorotoluene	91	15.265	15.266	(0.929)	65286	5.00000	4.6
	84 1,2,3-Trichloropropane	75	15.347	15.347	(0.934)	25248	5.00000	5.0
	85 4-Chlorotoluene	91	15.498	15.498	(0.943)	60413	5.00000	4.2
	86 tert-Butylbenzene	119	15.777	15.766	(0.960)	49548	5.00000	3.8
	87 Pentachloroethane	117	15.800	15.801	(0.962)	15214	5.00000	4.3
	88 1,2,4-Trimethylbenzene	105	15.870	15.871	(0.966)	51532	5.00000	3.7
	89 P-Isopropyltoluene	119	16.231	16.231	(0.988)	36413	5.00000	3.2
	90 1,3-Dichlorobenzene	146	16.324	16.324	(0.994)	42075	5.00000	4.3
*	91 1,4-Dichlorobenzene-D4	152	16.428	16.428	(1.000)	391173	50.0000	
	92 1,4-Dichlorobenzene	146	16.452	16.452	(1.001)	41028	5.00000	4.2
	93 N-Butylbenzene	91	16.824	16.824	(1.024)	29368	5.00000	3.1
	94 sec-Butylbenzene	105	16.021	16.021	(0.975)	46938	5.00000	3.3
	95 1,2-Dichlorobenzene	146	17.056	17.045	(1.038)	40288	5.00000	4.3
	96 1,2-Dibromo-3-Chloropropane	75	18.231	18.231	(1.110)	5440	5.00000	4.2
	97 1,3,5-Trichlorobenzene	180	18.277	18.278	(1.113)	25490	5.00000	3.9
	98 Hexachlorobutadiene	225	19.219	19.220	(1.170)	7554	5.00000	3.8
	99 1,2,4-Trichlorobenzene	180	19.254	19.255	(1.172)	22352	5.00000	4.2
	100 1,2,3-Trimethylbenzene	105	16.486	16.486	(1.004)	58653	5.00000	3.9
	101 Naphthalene	128	19.743	19.743	(1.202)	62942	5.00000	4.8
	102 1,2,3-Trichlorobenzene	180	20.034	20.034	(1.219)	21083	5.00000	4.3
	103 Methyl Acetate	43	4.973	4.985	(0.545)	26581	5.00000	4.6
	104 Methylcyclohexane	83	9.741	9.742	(1.068)	24761	5.00000	4.2
M	153 Total Alkylbenzenes	100				340278	5.00000	24.7

QC Flag Legend

a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).
M - Compound response manually integrated.

Data File: \\Target_server\GG\chem\gcms-s.i\S011608B.b\S8693.D
Report Date: 17-Jan-2008 07:00

Katahdin Analytical Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcms-s.i
Lab File ID: S8693.D
Lab Smp Id: VSTD005S16A
Analysis Type: VOA
Quant Type: ISTD
Operator: SKT
Method File: \\Target_server\GG\chem\gcms-s.i\S011608B.b\s826a48.m
Misc Info: SW846 8260B

Calibration Date: 16-JAN-2008
Calibration Time: 16:59

Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 4

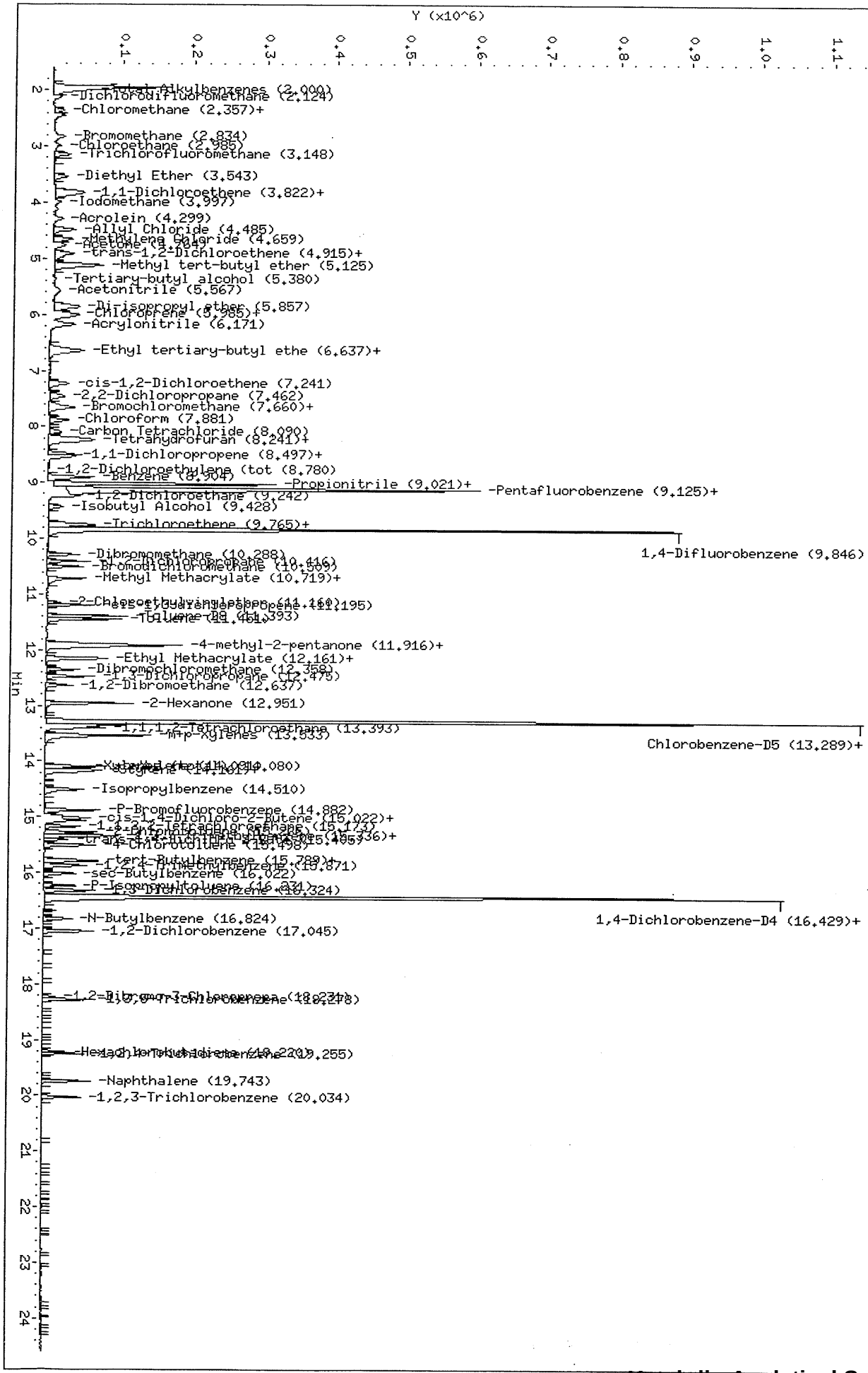
COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	617774	308887	1235548	637396	3.18
49 1,4-Difluorobenze	868971	434486	1737942	922052	6.11
66 Chlorobenzene-D5	687098	343549	1374196	768372	11.83
91 1,4-Dichlorobenze	404394	202197	808788	391173	-3.27

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	9.13	8.63	9.63	9.13	0.00
49 1,4-Difluorobenze	9.85	9.35	10.35	9.85	0.00
66 Chlorobenzene-D5	13.29	12.79	13.79	13.29	0.00
91 1,4-Dichlorobenze	16.43	15.93	16.93	16.43	0.00

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.

Data File: \\Target_server\GC\chem\gcms-s.i\S011608B.b\S8693.D
Date : 16-JAN-2008 18:01
Client ID:
Sample Info: VSTD005S16A
Purge Volume: 5.0
Column phase: RTX-VMS

Instrument: gcms-s.i
Operator: SKT
Column diameter: 0.18



Data File: \\Target_server\GG\chem\gcms-s.i\S011608B.b\S8696.D
Report Date: 17-Jan-2008 07:00

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gcms-s.i\S011608B.b\S8696.D
Lab Smp Id: VSTD001S16B
Inj Date : 16-JAN-2008 19:34 MS Autotune Date: 21-NOV-2007 15:16
Operator : SKT Inst ID: gcms-s.i
Smp Info : VSTD001S16B
Misc Info : SW846 8260B
Comment :
Method : \\Target_server\GG\chem\gcms-s.i\S011608B.b\s826a48.m
Meth Date : 17-Jan-2008 06:59 sthompson Quant Type: ISTD
Cal Date : 16-JAN-2008 19:34 Cal File: S8696.D
Als bottle: 21 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.12
Processing Host: TARGET04

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	sample purged
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)
1 Dichlorodifluoromethane	85	2.123	2.124	(0.233)	3715	1.00000	0.69(a)
2 Chloromethane	50	2.356	2.357	(0.258)	8550	1.00000	1.1
3 Vinyl chloride	62	2.437	2.450	(0.267)	5215	1.00000	0.90(a)
4 Bromomethane	94	2.832	2.834	(0.310)	5209	1.00000	1.2
5 Chloroethane	64	2.972	2.985	(0.326)	3435	1.00000	1.2
6 Trichlorofluoromethane	101	3.146	3.148	(0.345)	5705	1.00000	0.75(a)
7 Diethyl Ether	59	3.553	3.543	(0.389)	4333	1.00000	1.0
8 Tertiary-butyl alcohol	59	5.379	5.380	(0.590)	2438	5.00000	5.8(M) MQ
9 1,1-Dichloroethene	96	3.786	3.799	(0.415)	3852	1.00000	0.91(a)
10 Carbon Disulfide	76	3.821	3.834	(0.419)	11595	1.00000	0.89(a)
11 Freon-113	151	3.856	3.869	(0.423)	3003	1.00000	0.82(a)
12 Iodomethane	142	3.984	3.997	(0.437)	4673	1.00000	0.71(a)
13 Acrolein	56	4.286	4.299	(0.470)	5112	5.00000	5.2(a)
14 Methylene Chloride	84	4.658	4.659	(0.511)	7333	1.00000	1.3(a)
15 Acetone	43	4.775	4.776	(0.523)	14255	5.00000	6.3
16 Isobutyl Alcohol	43	9.438	9.428	(1.034)	3448	20.0000	19.1(aM) MIO
17 trans-1,2-Dichloroethene	96	4.903	4.915	(0.537)	5015	1.00000	1.0
18 Allyl Chloride	41	4.484	4.497	(0.491)	11761	1.00000	1.3
19 Methyl tert-butyl ether	73	5.135	5.125	(0.563)	32771	2.00000	2.1
20 Acetonitrile	39	5.542	5.590	(0.607)	3073	10.0000	16.4(aM) MQ
21 Di-isopropyl ether	45	5.856	5.857	(0.642)	23121	1.00000	1.1
22 Chloroprene	53	5.996	5.985	(0.657)	9517	1.00000	1.0
23 Propionitrile	54	9.008	9.009	(0.987)	9130	10.0000	11.4

SK 011708

Data File: \\Target_server\GG\chem\gcms-s.i\S011608B.b\S8696.D
Report Date: 17-Jan-2008 07:00

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)
	24 Methacrylonitrile	41	9.019	9.032	(0.989)	53985	10.0000	12.3
	25 1,1-Dichloroethane	63	6.031	6.032	(0.661)	9878	1.00000	1.0
	26 Acrylonitrile	52	6.193	6.183	(0.679)	10816	5.00000	5.2
	27 Ethyl tertiary-butyl ether	59	6.647	6.625	(0.729)	19019	1.00000	1.0
	28 Vinyl Acetate	43	6.647	6.648	(0.676)	11828	1.00000	0.90(a)
	29 cis-1,2-Dichloroethene	96	7.240	7.241	(0.794)	5547	1.00000	0.95(a)
M	30 1,2-Dichloroethylene (total)	96				10562	1.00000	2.0
	31 Methyl Methacrylate	41	10.717	10.719	(1.090)	6451	1.00000	1.1
	32 2,2-Dichloropropane	77	7.461	7.462	(0.818)	6520	1.00000	0.83(a)
	33 Bromochloromethane	128	7.670	7.672	(0.841)	3259	1.00000	1.1
	34 Chloroform	83	7.891	7.893	(0.865)	10099	1.00000	1.0
	35 Carbon Tetrachloride	117	8.077	8.090	(0.821)	4387	1.00000	0.79(a)
	36 Tetrahydrofuran	42	8.217	8.195	(0.901)	10039	5.00000	5.5
$	37 Dibromofluoromethane	113	8.252	8.265	(0.904)	8648	1.00000	1.2
	38 1,1,1-Trichloroethane	97	8.240	8.241	(0.903)	7302	1.00000	0.92(a)
	39 1,1-Dichloropropene	75	8.485	8.486	(0.863)	6293	1.00000	0.96(a)
	40 2-Butanone	43	8.543	8.532	(0.936)	15784	5.00000	5.0
	41 Benzene	78	8.903	8.904	(0.905)	20818	1.00000	1.1
*	42 Pentafluorobenzene	168	9.124	9.125	(1.000)	623420	50.0000	
	43 Cyclohexane	56	7.636	7.637	(0.837)	4297	1.00000	0.71(a)
	44 Ethyl Methacrylate	69	12.160	12.161	(1.237)	6456	1.00000	0.99(a)
$	45 1,2-Dichloroethane-D4	65	9.124	9.137	(1.000)	10854	1.00000	1.4
	46 Tertiary-amyl methyl ether	73	9.159	9.160	(1.004)	16838	1.00000	1.1
	47 1,2-Dichloroethane	62	9.240	9.242	(0.940)	8501	1.00000	1.0(M) M10
	48 Trichloroethene	95	9.764	9.777	(0.993)	5795	1.00000	1.1
*	49 1,4-Difluorobenzene	114	9.834	9.846	(1.000)	826761	50.0000	
	50 Dibromomethane	93	10.287	10.288	(1.046)	4054	1.00000	1.0
	51 1,2-Dichloropropane	63	10.415	10.416	(1.059)	5364	1.00000	1.1(M) M6
	52 Bromodichloromethane	83	10.508	10.509	(1.069)	8007	1.00000	1.1
	53 cis-1,3-dichloropropene	75	11.194	11.195	(1.138)	8260	1.00000	1.0
	54 1,4-Dioxane	88	10.764	10.753	(1.095)	878	20.0000	14.3(a)
$	55 Toluene-D8	98	11.392	11.393	(1.158)	26109	1.00000	1.4
	56 2-Chloroethylvinylether	63	11.159	11.160	(1.135)	1447	1.00000	0.90(a)
	57 Toluene	92	11.450	11.451	(1.164)	11892	1.00000	1.1
	58 4-methyl-2-pentanone	43	11.915	11.916	(1.212)	31778	5.00000	5.7
	59 Tetrachloroethene	164	11.880	11.893	(0.894)	6128	1.00000	1.3
	60 trans-1,3-Dichloropropene	75	11.950	11.951	(1.215)	7591	1.00000	1.0
	61 1,1,2-Trichloroethane	83	12.136	12.149	(1.234)	4233	1.00000	1.0
	62 Dibromochloromethane	129	12.357	12.358	(0.930)	6485	1.00000	0.96(a)
	63 1,3-Dichloropropane	76	12.474	12.475	(0.939)	8783	1.00000	1.0
	64 1,2-Dibromoethane	107	12.636	12.637	(1.285)	6252	1.00000	1.1(M) M10
	65 2-Hexanone	43	12.950	12.951	(0.975)	23636	5.00000	5.3
*	66 Chlorobenzene-D5	117	13.288	13.289	(1.000)	750392	50.0000	
	67 Chlorobenzene	112	13.299	13.312	(1.001)	13898	1.00000	1.0
	152 1-Chlorohexane	91	13.288	13.289	(1.456)	5692	1.00000	0.97(a)
	68 Ethylbenzene	91	13.346	13.347	(1.004)	24290	1.00000	1.0
	69 1,1,1,2-Tetrachloroethane	131	13.392	13.393	(1.008)	4951	1.00000	0.92(aM) M10
M	70 Xylenes (total)	106				23655	5.00000	3.0
	71 m+p-Xylenes	106	13.532	13.533	(1.018)	16017	2.00000	2.0
	72 o-Xylene	106	14.090	14.091	(1.060)	7638	1.00000	0.95(a)
	73 Styrene	104	14.160	14.161	(1.066)	12939	1.00000	0.94(a)
	74 Bromoform	173	14.183	14.196	(1.067)	4341	1.00000	0.90(a)
	75 Isopropylbenzene	105	14.509	14.510	(0.883)	15380	1.00000	1.0
$	76 P-Bromofluorobenzene	95	14.881	14.882	(1.513)	10563	1.00000	1.4

SICT 011708

Data File: \\Target_server\GG\chem\gcms-s.i\S011608B.b\S8696.D
Report Date: 17-Jan-2008 07:00

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)
77 cis-1,4-Dichloro-2-Butene	53	14.974	14.975	(0.912)	1378	1.00000	0.85(a)
78 trans-1,4-Dichloro-2-Butene	53	15.404	15.405	(0.938)	1659	1.00000	0.94(a)
79 Bromobenzene	156	15.009	15.022	(0.914)	6344	1.00000	1.1
80 N-Propylbenzene	91	15.067	15.068	(0.917)	18832	1.00000	0.98(a)
81 1,1,2,2-Tetrachloroethane	83	15.172	15.173	(0.924)	7059	1.00000	1.2
82 1,3,5-Trimethylbenzene	105	15.334	15.336	(0.933)	12647	1.00000	1.00
83 2-Chlorotoluene	91	15.265	15.266	(0.929)	16032	1.00000	1.2
84 1,2,3-Trichloropropane	75	15.346	15.347	(0.934)	5564	1.00000	1.2
85 4-Chlorotoluene	91	15.497	15.498	(0.943)	15091	1.00000	1.1
86 tert-Butylbenzene	119	15.765	15.766	(0.960)	10821	1.00000	0.88(a)
87 Pentachloroethane	117	15.788	15.801	(0.961)	2174	1.00000	0.66(a)
88 1,2,4-Trimethylbenzene	105	15.869	15.871	(0.966)	12911	1.00000	0.95(a)
89 P-Isopropyltoluene	119	16.230	16.231	(0.988)	8746	1.00000	0.82(a)
90 1,3-Dichlorobenzene	146	16.323	16.324	(0.994)	10591	1.00000	1.1
* 91 1,4-Dichlorobenzene-D4	152	16.428	16.428	(1.000)	361437	50.0000	
92 1,4-Dichlorobenzene	146	16.439	16.452	(1.001)	9870	1.00000	1.1
93 N-Butylbenzene	91	16.823	16.824	(1.024)	7371	1.00000	0.83(a)
94 sec-Butylbenzene	105	16.021	16.021	(0.975)	10837	1.00000	0.81(a)
95 1,2-Dichlorobenzene	146	17.044	17.045	(1.038)	9137	1.00000	1.0
96 1,2-Dibromo-3-Chloropropane	75	18.219	18.231	(1.109)	1143	1.00000	0.96(a)
97 1,3,5-Trichlorobenzene	180	18.277	18.278	(1.113)	6906	1.00000	1.1
98 Hexachlorobutadiene	225	19.207	19.220	(1.169)	1979	1.00000	1.1
99 1,2,4-Trichlorobenzene	180	19.242	19.255	(1.171)	6129	1.00000	1.2
100 1,2,3-Trimethylbenzene	105	16.486	16.486	(1.004)	14784	1.00000	1.0
101 Naphthalene	128	19.742	19.743	(1.202)	14308	1.00000	1.2
102 1,2,3-Trichlorobenzene	180	20.021	20.034	(1.219)	5494	1.00000	1.2
103 Methyl Acetate	43	4.984	4.985	(0.546)	7080	1.00000	1.2
104 Methylcyclohexane	83	9.729	9.742	(1.066)	5221	1.00000	0.89(a)
M 153 Total Alkylbenzenes	100				82165	1.00000	6.2(a)

QC Flag Legend

a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).
M - Compound response manually integrated.

Data File: \\Target_server\GG\chem\gcms-s.i\S011608B.b\S8696.D
Report Date: 17-Jan-2008 07:00

Katahdin Analytical Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcms-s.i
Lab File ID: S8696.D
Lab Smp Id: VSTD001S16B
Analysis Type: VOA
Quant Type: ISTD
Operator: SKT
Method File: \\Target_server\GG\chem\gcms-s.i\S011608B.b\s826a48.m
Misc Info: SW846 8260B

Calibration Date: 16-JAN-2008
Calibration Time: 16:59

Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 4

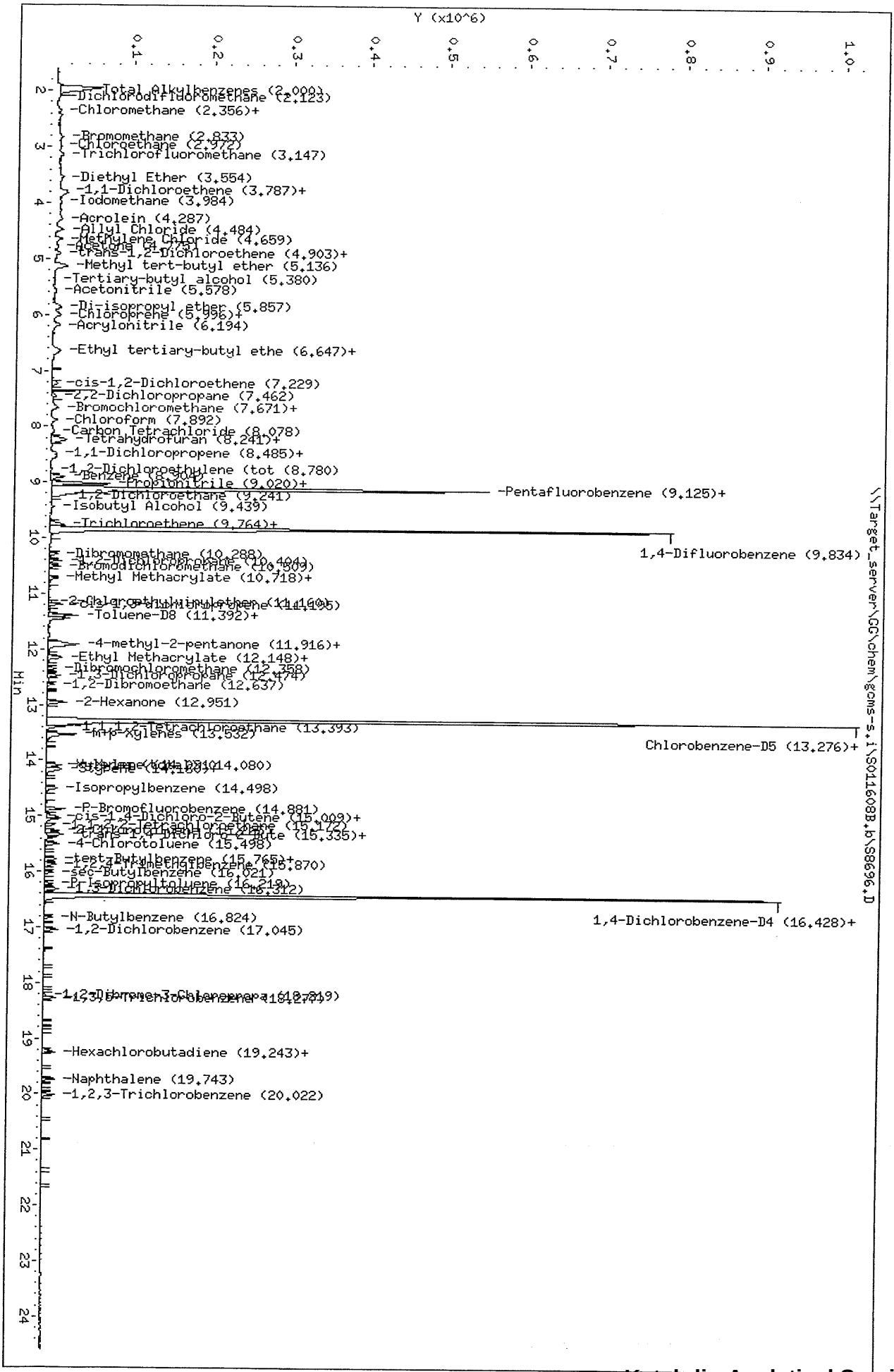
COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	617774	308887	1235548	623420	0.91
49 1,4-Difluorobenze	868971	434486	1737942	826761	-4.86
66 Chlorobenzene-D5	687098	343549	1374196	750392	9.21
91 1,4-Dichlorobenze	404394	202197	808788	361437	-10.62

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	9.13	8.63	9.63	9.12	-0.01
49 1,4-Difluorobenze	9.85	9.35	10.35	9.83	-0.12
66 Chlorobenzene-D5	13.29	12.79	13.79	13.29	-0.00
91 1,4-Dichlorobenze	16.43	15.93	16.93	16.43	-0.00

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.

Data File: \\Target_server\GC\chem\gcms-s.i\S011608B.b\S8696.D
Date : 16-JAN-2008 19:34
Client ID:
Sample Info: VSTD001S16B
Purge Volume: 5.0
Column phase: RTX-VMS

Instrument: gcms-s.i
Operator: SKT
Column diameter: 0.18



FORM 6
VOLATILE INITIAL CALIBRATION DATA

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project CTO 426 NLON SDG No.: CTO426-1

Instrument ID: GCMS-Z Calibration Date(s): 01/14/08 01/14/08

Column: RTX-VMS ID: 0.18 (mm) Calibration Time(s): 1427 1708

LAB FILE ID: RF1: Z6357 RF5: Z6356 RF20: Z6355
RF50: Z6354 RF100: Z6353 RF200: Z6352

COMPOUND	RF1	RF5	RF20	RF50	RF100	RF200	CURVE	COEFF. A1	%RSD OR R^2	MAX %RSD OR R^2
Methyl tert-butyl ether	1.250	0.940	1.079	1.052	0.988	1.034	AVRG	1.05704096	10.089	15.000
Benzene	1.263	1.162	1.294	1.153	1.182	1.027	AVRG	1.18031303	7.990	15.000
Toluene	0.635	0.667	0.807	0.618	0.672	0.689	AVRG	0.68136982	9.808	15.000
Ethylbenzene	1.518	1.377	1.548	1.741	1.392	1.455	AVRG	1.50512631	8.893	15.000
Xylenes (total)							AVRG			0.000
m+p-Xylenes	0.462	0.505	0.585	0.680	0.560	0.524	AVRG	0.55268052	13.684	15.000
o-Xylene	0.590	0.556	0.566	0.586	0.602	0.560	AVRG	0.57677931	3.209	15.000
Isopropylbenzene	2.470	2.654	2.386	2.829	2.736	2.206	AVRG	2.54702454	9.205	15.000
Naphthalene	1.172	1.000		0.859	0.846	0.862	AVRG	0.94783066	14.802	15.000
Dibromofluoromethane	0.647	0.526	0.560	0.534	0.578	0.544	AVRG	0.56502753	7.865	15.000
1,2-Dichloroethane-D4	0.585	0.452	0.438	0.446	0.449	0.435	AVRG	0.46756823	12.418	15.000
Toluene-D8		0.988	1.082	0.984	0.926	0.868	AVRG	0.96958493	8.215	15.000
P-Bromofluorobenzene	0.499	0.433	0.429	0.374	0.374	0.396	AVRG	0.41743685	11.340	15.000

Average %RSD test result.

Calculate Average %RSD: 12.35719013
Maximum Average %RSD: 15.00000000

Note: Passes Average %RSD Test.

FORM VI VOA

Data File: \\Target_server\GG\chem\gcms-z.i\Z011408.b\Z6352.D
Report Date: 15-Jan-2008 08:15

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gcms-z.i\Z011408.b\Z6352.D
Lab Smp Id: VSTD200Z14A
Inj Date : 14-JAN-2008 14:27
Operator : SKT Inst ID: gcms-z.i
Smp Info : VSTD200Z14A
Misc Info : SW846 8260B
Comment :
Method : \\Target_server\GG\chem\gcms-z.i\Z011408.b\Z826a71.m
Meth Date : 15-Jan-2008 08:15 sthompson Quant Type: ISTD
Cal Date : 14-JAN-2008 14:27 Cal File: Z6352.D
Als bottle: 12 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.12
Processing Host: TARGET03

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	sample purged
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)
1 Dichlorodifluoromethane	85	2.713	2.713	(0.268)	1031312	200.000	241 (A)
2 Chloromethane	50	3.061	3.062	(0.302)	1428072	200.000	293 (AM) MG
3 Vinyl chloride	62	3.119	3.120	(0.308)	1152108	200.000	214 (A)
4 Bromomethane	94	3.584	3.584	(0.353)	429909	200.000	199
5 Chloroethane	64	3.804	3.816	(0.375)	500031	200.000	233 (A)
6 Trichlorofluoromethane	101	4.048	4.037	(0.399)	1002375	200.000	211 (A)
7 Diethyl Ether	59	4.558	4.536	(0.450)	664703	200.000	193
8 Tertiary-butyl alcohol	59	6.729	6.752	(0.664)	87709	1000.00	558
9 1,1-Dichloroethene	96	4.860	4.861	(0.479)	843410	200.000	210 (A)
10 Carbon Disulfide	76	4.895	4.895	(0.483)	2571658	200.000	194
11 Freon-113	151	4.965	4.953	(0.490)	755215	200.000	232 (A)
12 Iodomethane	142	5.162	5.139	(0.509)	664041	200.000	301 (AM) MG
13 Acrolein	56	5.429	5.441	(0.535)	651123	1000.00	982
14 Methylene Chloride	84	5.928	5.928	(0.585)	1023309	200.000	225 (A)
15 Acetone	43	6.009	6.010	(0.593)	1162014	1000.00	994
16 Isobutyl Alcohol	43	10.303	10.304	(1.016)	251510	4000.00	2140 SKT 011508
17 trans-1,2-Dichloroethene	96	6.276	6.265	(0.619)	932146	200.000	204 (A)
18 Allyl Chloride	41	5.742	5.719	(0.566)	1289693	200.000	220 (A)
19 Methyl tert-butyl ether	73	6.520	6.543	(0.643)	3903702	400.000	452 (A)
20 Acetonitrile	39	7.007	6.996	(0.691)	185296	2000.00	2360 (A)
21 Di-isopropyl ether	45	7.506	7.449	(0.740)	3154527	200.000	214 (AM) MG
22 Chloroprene	53	7.611	7.600	(0.751)	1053145	200.000	183 (M) ↓
23 Propionitrile	54	10.002	10.002	(0.986)	722509	2000.00	1670

Data File: \\Target_server\GG\chem\gcms-z.i\Z011408.b\Z6352.D
Report Date: 15-Jan-2008 08:15

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)
	24 Methacrylonitrile	41	10.060	10.037	(0.992)	3936361	2000.00	1510
	25 1,1-Dichloroethane	63	7.646	7.634	(0.754)	1463463	200.000	200(A)
	26 Acrylonitrile	52	7.727	7.716	(0.762)	1201774	1000.00	1060(A)
	27 Ethyl tertiary-butyl ether	59	8.261	8.238	(0.815)	2617476	200.000	211(A)
	28 Vinyl Acetate	43	8.238	8.226	(0.765)	2022542	200.000	204(A)
	29 cis-1,2-Dichloroethene	96	8.725	8.714	(0.860)	926660	200.000	196
M	30 1,2-Dichloroethylene (total)	96				1858806	200.000	400
	31 Methyl Methacrylate	41	13.089	13.089	(1.216)	684153	200.000	197
	32 2,2-Dichloropropane	77	8.911	8.899	(0.879)	907148	200.000	192
	33 Bromochloromethane	128	9.038	9.039	(0.891)	400383	200.000	182
	34 Chloroform	83	9.189	9.178	(0.906)	1325701	200.000	193
	35 Carbon Tetrachloride	117	9.387	9.375	(0.872)	870994	200.000	209(A)
	36 Tetrahydrofuran	42	9.398	9.399	(0.927)	884143	1000.00	858
$	37 Dibromofluoromethane	113	9.456	9.457	(0.932)	1027797	200.000	193
	38 1,1,1-Trichloroethane	97	9.491	9.480	(0.936)	1026515	200.000	202(A)
	39 1,1-Dichloropropene	75	9.665	9.654	(0.898)	1083794	200.000	203(A)
	40 2-Butanone	43	9.630	9.631	(0.950)	1562714	1000.00	875
	41 Benzene	78	10.002	9.990	(0.929)	2698743	200.000	174
*	42 Pentafluorobenzene	168	10.141	10.141	(1.000)	472121	50.0000	
	43 Cyclohexane	56	9.073	9.062	(0.895)	1165870	200.000	228(A)
	44 Ethyl Methacrylate	69	13.089	13.089	(1.216)	884715	200.000	202(A)
$	45 1,2-Dichloroethane-D4	65	10.164	10.153	(1.002)	821904	200.000	186
	46 Tertiary-amyl methyl ether	73	10.187	10.176	(1.005)	2099534	200.000	188
	47 1,2-Dichloroethane	62	10.245	10.246	(0.951)	1002605	200.000	209(A)
	48 Trichloroethene	95	10.721	10.710	(0.996)	836131	200.000	128
*	49 1,4-Difluorobenzene	114	10.768	10.756	(1.000)	657026	50.0000	
	50 Dibromomethane	93	11.174	11.174	(1.038)	558338	200.000	211(A)
	51 1,2-Dichloropropane	63	11.290	11.279	(1.049)	964287	200.000	217(A)
	52 Bromodichloromethane	83	11.360	11.360	(1.055)	1174451	200.000	212(A)
	53 cis-1,3-dichloropropene	75	12.102	12.103	(1.124)	1099220	200.000	169
	54 1,4-Dioxane	88	11.580	11.581	(1.075)	19645	4000.00	330
$	55 Toluene-D8	98	12.346	12.335	(1.147)	2281493	200.000	167
	56 2-Chloroethylvinylether	63	12.033	12.022	(1.117)	161311	200.000	124
	57 Toluene	92	12.404	12.405	(1.152)	1810181	200.000	202(A)
	58 4-methyl-2-pentanone	43	12.845	12.846	(1.193)	3386791	1000.00	928
	59 Tetrachloroethene	164	12.880	12.880	(0.902)	679301	200.000	177
	60 trans-1,3-Dichloropropene	75	12.903	12.892	(1.198)	1013958	200.000	201(A)
	61 1,1,2-Trichloroethane	83	13.101	13.089	(1.217)	574670	200.000	189
	62 Dibromochloromethane	129	13.321	13.321	(0.933)	969177	200.000	206(A)
	63 1,3-Dichloropropane	76	13.437	13.437	(0.941)	1235878	200.000	208(A)
	64 1,2-Dibromoethane	107	13.623	13.623	(1.265)	894576	200.000	214(A)
	65 2-Hexanone	43	13.878	13.879	(0.972)	2677607	1000.00	1060(A)
*	66 Chlorobenzene-D5	117	14.273	14.273	(1.000)	535489	50.0000	
	67 Chlorobenzene	112	14.296	14.285	(1.002)	2110977	200.000	203(A)
	152 1-Chlorohexane	91	14.261	14.250	(1.406)	1105801	200.000	196
	68 Ethylbenzene	91	14.331	14.320	(1.004)	3117408	200.000	193
	69 1,1,1,2-Tetrachloroethane	131	14.377	14.366	(1.007)	768422	200.000	195
M	70 Xylenes (total)	106				3445331	600.000	574
	71 m+p-Xylenes	106	14.516	14.505	(1.017)	2246201	400.000	379
	72 o-Xylene	106	15.074	15.062	(1.056)	1199130	200.000	194
	73 Styrene	104	15.143	15.132	(1.061)	2281687	200.000	216(A)
	74 Bromoform	173	15.178	15.167	(1.063)	704614	200.000	217(A)
	75 Isopropylbenzene	105	15.491	15.480	(0.889)	2797471	200.000	173
$	76 P-Bromofluorobenzene	95	15.874	15.863	(1.474)	1039439	200.000	189

Data File: \\Target_server\GG\chem\gcms-z.i\Z011408.b\Z6352.D
Report Date: 15-Jan-2008 08:15

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)
77 cis-1,4-Dichloro-2-Butene	53	15.932	15.933	(0.914)	259960	200.000	208(A)
78 trans-1,4-Dichloro-2-Butene	53	16.362	16.361	(0.939)	235863	200.000	167
79 Bromobenzene	156	16.025	16.014	(0.919)	1044980	200.000	177
80 N-Propylbenzene	91	16.048	16.049	(0.921)	3454679	200.000	166
81 1,1,2,2-Tetrachloroethane	83	16.118	16.119	(0.925)	920366	200.000	168
82 1,3,5-Trimethylbenzene	105	16.315	16.315	(0.936)	2231100	200.000	173
83 2-Chlorotoluene	91	16.269	16.268	(0.933)	2198187	200.000	157
84 1,2,3-Trichloropropane	75	16.315	16.315	(0.936)	591844	200.000	149
85 4-Chlorotoluene	91	16.501	16.489	(0.947)	2201656	200.000	167
86 tert-Butylbenzene	119	16.756	16.768	(0.961)	2506725	200.000	185
87 Pentachloroethane	117	16.791	16.780	(0.963)	737515	200.000	200(A)
88 1,2,4-Trimethylbenzene	105	16.861	16.850	(0.967)	2322426	200.000	181
89 P-Isopropyltoluene	119	17.209	17.209	(0.987)	2125445	200.000	176
90 1,3-Dichlorobenzene	146	17.325	17.326	(0.994)	1749686	200.000	178
* 91 1,4-Dichlorobenzene-D4	152	17.430	17.430	(1.000)	317027	50.0000	
92 1,4-Dichlorobenzene	146	17.453	17.453	(1.001)	1797333	200.000	184
93 N-Butylbenzene	91	17.824	17.813	(1.023)	1706576	200.000	162
94 sec-Butylbenzene	105	17.012	17.012	(0.976)	2902509	200.000	176
95 1,2-Dichlorobenzene	146	18.056	18.057	(1.036)	1611189	200.000	174
96 1,2-Dibromo-3-Chloropropane	75	19.240	19.229	(1.104)	124755	200.000	185
97 1,3,5-Trichlorobenzene	180	19.298	19.299	(1.107)	1012825	200.000	171
98 Hexachlorobutadiene	225	20.238	20.239	(1.161)	370834	200.000	166
99 1,2,4-Trichlorobenzene	180	20.273	20.273	(1.163)	714978	200.000	166
100 1,2,3-Trimethylbenzene	105	17.488	17.476	(1.003)	2300479	200.000	171
101 Naphthalene	128	20.772	20.773	(1.192)	1092572	200.000	187
102 1,2,3-Trichlorobenzene	180	21.062	21.063	(1.208)	559357	200.000	171
103 Methyl Acetate	43	6.299	6.300	(0.621)	668534	200.000	200(A)
104 Methylcyclohexane	83	10.721	10.710	(1.057)	1112481	200.000	170
M 153 Total Alkylbenzenes	100				17249460	200.000	1220

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.
M - Compound response manually integrated.

Data File: \\Target_server\GG\chem\gcms-z.i\Z011408.b\Z6352.D
Report Date: 15-Jan-2008 08:15

Katahdin Analytical Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcms-z.i
Lab File ID: Z6352.D
Lab Smp Id: VSTD200Z14A
Analysis Type: VOA
Quant Type: ISTD
Operator: SKT
Method File: \\Target_server\GG\chem\gcms-z.i\Z011408.b\Z826a71.m
Misc Info: SW846 8260B

Calibration Date: 14-JAN-2008
Calibration Time: 15:31

Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 4

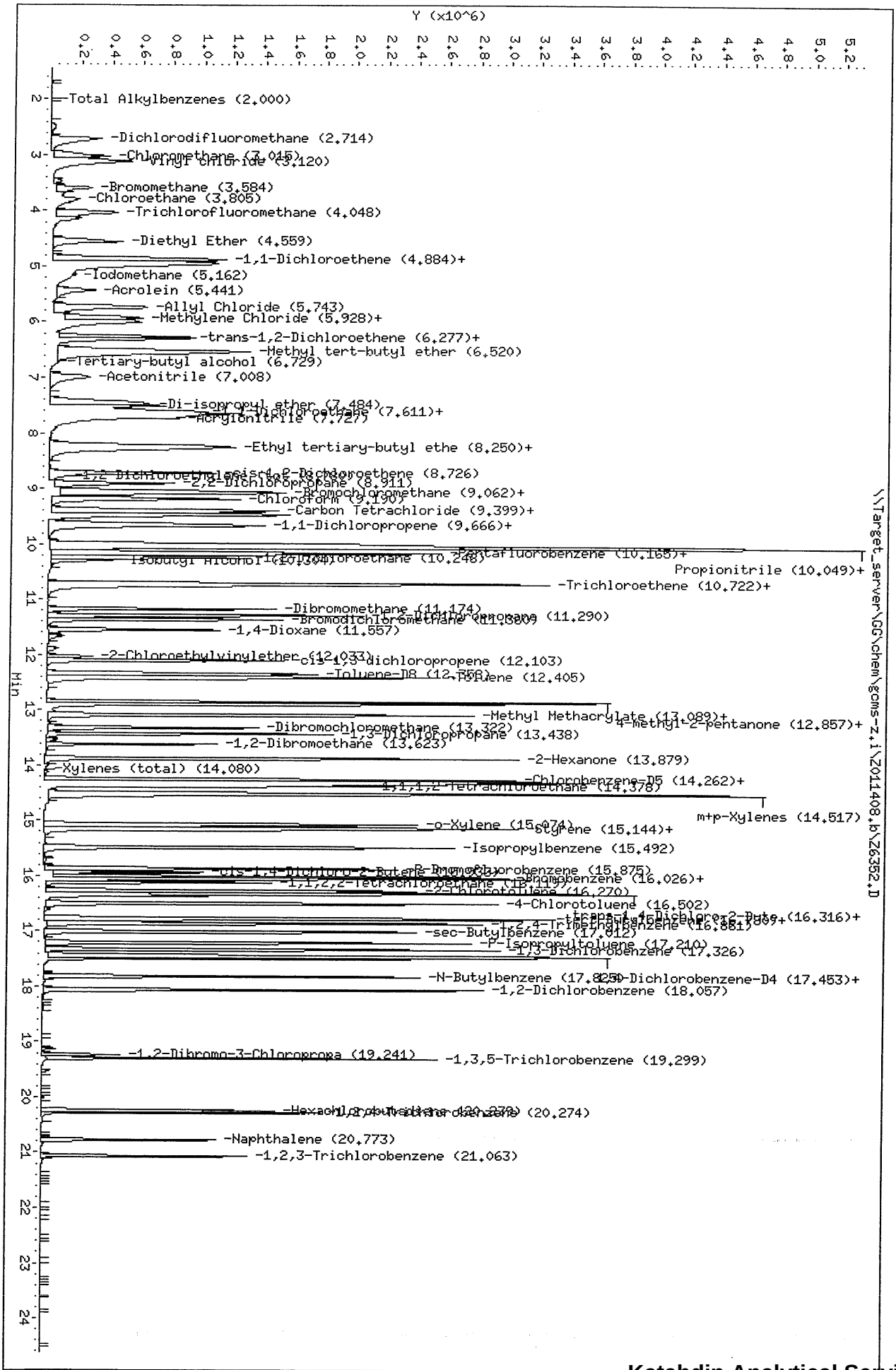
COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	493069	246535	986138	472121	-4.25
49 1,4-Difluorobenze	732175	366088	1464350	657026	-10.26
66 Chlorobenzene-D5	557383	278692	1114766	535489	-3.93
91 1,4-Dichlorobenze	283941	141971	567882	317027	11.65

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	10.14	9.64	10.64	10.14	0.00
49 1,4-Difluorobenze	10.76	10.26	11.26	10.77	0.11
66 Chlorobenzene-D5	14.27	13.77	14.77	14.27	0.00
91 1,4-Dichlorobenze	17.43	16.93	17.93	17.43	0.00

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.

Data File: \\Target_server\GC\chem\gcms-z.i\Z011408.b\Z6352.D
Date : 14-JAN-2008 14:27
Client ID:
Sample Info: VSTD200Z14A
Purge Volume: 5.0
Column phase: RTX-VMS

Instrument: gcms-z.i
Operator: SKT
Column diameter: 0.18



Data File: \\Target_server\GG\chem\gcms-z.i\Z011408.b\Z6353.D
Report Date: 15-Jan-2008 08:15

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gcms-z.i\Z011408.b\Z6353.D
Lab Smp Id: VSTD100Z14A
Inj Date : 14-JAN-2008 14:59
Operator : SKT Inst ID: gcms-z.i
Smp Info : VSTD100Z14A
Misc Info : SW846 8260B
Comment :
Method : \\Target_server\GG\chem\gcms-z.i\Z011408.b\Z826a71.m
Meth Date : 15-Jan-2008 08:15 sthompson Quant Type: ISTD
Cal Date : 14-JAN-2008 14:59 Cal File: Z6353.D
Als bottle: 13 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.12
Processing Host: TARGET03

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	sample purged
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)
1 Dichlorodifluoromethane	85	2.706	2.713	(0.267)	470030	100.000	108
2 Chloromethane	50	3.089	3.062	(0.305)	715662	100.000	117 (M) M9
3 Vinyl chloride	62	3.124	3.120	(0.308)	590260	100.000	107
4 Bromomethane	94	3.589	3.584	(0.354)	249742	100.000	113
5 Chloroethane	64	3.809	3.816	(0.376)	209983	100.000	95.9
6 Trichlorofluoromethane	101	4.030	4.037	(0.398)	511845	100.000	105
7 Diethyl Ether	59	4.540	4.536	(0.448)	346970	100.000	98.5
8 Tertiary-butyl alcohol	59	6.745	6.752	(0.666)	58215	500.000	362
9 1,1-Dichloroethene	96	4.854	4.861	(0.479)	420146	100.000	102
10 Carbon Disulfide	76	4.900	4.895	(0.484)	1404766	100.000	104
11 Freon-113	151	4.946	4.953	(0.488)	368809	100.000	111
12 Iodomethane	142	5.155	5.139	(0.509)	368384	100.000	150 (M) M9
13 Acrolein	56	5.422	5.441	(0.535)	327432	500.000	483
14 Methylene Chloride	84	5.933	5.928	(0.585)	506681	100.000	109
15 Acetone	43	6.014	6.010	(0.593)	596196	500.000	499
16 Isobutyl Alcohol	43	10.308	10.304	(1.017)	209815	2000.00	1740
17 trans-1,2-Dichloroethene	96	6.258	6.265	(0.618)	490974	100.000	105
18 Allyl Chloride	41	5.724	5.719	(0.565)	641219	100.000	107
19 Methyl tert-butyl ether	73	6.536	6.543	(0.645)	1905236	200.000	216
20 Acetonitrile	39	7.001	6.996	(0.691)	93756	1000.00	1170
21 Di-isopropyl ether	45	7.453	7.449	(0.735)	1628457	100.000	99.8 (M) M9
22 Chloroprene	53	7.616	7.600	(0.751)	567376	100.000	96.4
23 Propionitrile	54	10.007	10.002	(0.987)	427787	1000.00	970

SKT 011508

Data File: \\Target_server\GG\chem\gcms-z.i\Z011408.b\Z6353.D
Report Date: 15-Jan-2008 08:15

		Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)
	24	Methacrylonitrile	41	10.042	10.037	(0.991)	2441157	1000.00	920
	25	1,1-Dichloroethane	63	7.639	7.634	(0.754)	768926	100.000	103
	26	Acrylonitrile	52	7.720	7.716	(0.762)	614258	500.000	533
	27	Ethyl tertiary-butyl ether	59	8.243	8.238	(0.813)	1234504	100.000	97.6
	28	Vinyl Acetate	43	8.219	8.226	(0.764)	970337	100.000	95.5
	29	cis-1,2-Dichloroethene	96	8.707	8.714	(0.859)	464244	100.000	96.3
M	30	1,2-Dichloroethylene (total)	96				955218	100.000	202
	31	Methyl Methacrylate	41	13.094	13.089	(1.217)	343722	100.000	96.3
	32	2,2-Dichloropropane	77	8.904	8.899	(0.879)	487706	100.000	101
	33	Bromochloromethane	128	9.032	9.039	(0.891)	230770	100.000	103
	34	Chloroform	83	9.183	9.178	(0.906)	697794	100.000	99.3
	35	Carbon Tetrachloride	117	9.392	9.375	(0.873)	477448	100.000	111
	36	Tetrahydrofuran	42	9.403	9.399	(0.928)	530721	500.000	504
$	37	Dibromofluoromethane	113	9.450	9.457	(0.932)	557816	100.000	102
	38	1,1,1-Trichloroethane	97	9.484	9.480	(0.936)	549031	100.000	106
	39	1,1-Dichloropropene	75	9.670	9.654	(0.899)	575219	100.000	105
	40	2-Butanone	43	9.624	9.631	(0.950)	899653	500.000	493
	41	Benzene	78	9.995	9.990	(0.929)	1593523	100.000	100
*	42	Pentafluorobenzene	168	10.134	10.141	(1.000)	482244	50.0000	
	43	Cyclohexane	56	9.055	9.062	(0.893)	596946	100.000	114
	44	Ethyl Methacrylate	69	13.094	13.089	(1.217)	445101	100.000	98.8
$	45	1,2-Dichloroethane-D4	65	10.158	10.153	(1.002)	432683	100.000	95.9
	46	Tertiary-amyl methyl ether	73	10.169	10.176	(1.003)	1121650	100.000	98.1
	47	1,2-Dichloroethane	62	10.239	10.246	(0.951)	499449	100.000	101
	48	Trichloroethene	95	10.715	10.710	(0.996)	449604	100.000	67.2
*	49	1,4-Difluorobenzene	114	10.761	10.756	(1.000)	674262	50.0000	
	50	Dibromomethane	93	11.167	11.174	(1.038)	252063	100.000	92.8
	51	1,2-Dichloropropane	63	11.283	11.279	(1.049)	471220	100.000	104
	52	Bromodichloromethane	83	11.365	11.360	(1.056)	581126	100.000	102
	53	cis-1,3-dichloropropene	75	12.107	12.103	(1.125)	755359	100.000	113
	54	1,4-Dioxane	88	11.585	11.581	(1.077)	61029	2000.00	999
$	55	Toluene-D8	98	12.351	12.335	(1.148)	1248298	100.000	89.1
	56	2-Chloroethylvinylether	63	12.026	12.022	(1.118)	111713	100.000	84.1
	57	Toluene	92	12.398	12.405	(1.152)	905924	100.000	98.6
	58	4-methyl-2-pentanone	43	12.850	12.846	(1.194)	1742437	500.000	465
	59	Tetrachloroethene	164	12.885	12.880	(0.903)	419830	100.000	106
	60	trans-1,3-Dichloropropene	75	12.897	12.892	(1.198)	593878	100.000	114
	61	1,1,2-Trichloroethane	83	13.094	13.089	(1.217)	299280	100.000	95.8
	62	Dibromochloromethane	129	13.326	13.321	(0.934)	525015	100.000	108
	63	1,3-Dichloropropane	76	13.431	13.437	(0.941)	594574	100.000	96.9
	64	1,2-Dibromoethane	107	13.628	13.623	(1.266)	427564	100.000	99.8
	65	2-Hexanone	43	13.883	13.879	(0.973)	1163652	500.000	448
*	66	Chlorobenzene-D5	117	14.266	14.273	(1.000)	552648	50.0000	
	67	Chlorobenzene	112	14.289	14.285	(1.002)	1022906	100.000	95.4
	152	1-Chlorohexane	91	14.255	14.250	(1.407)	605467	100.000	105
	68	Ethylbenzene	91	14.324	14.320	(1.004)	1538266	100.000	92.5
	69	1,1,1,2-Tetrachloroethane	131	14.371	14.366	(1.007)	418200	100.000	103
M	70	Xylenes (total)	106				1903377	300.000	307
	71	m+p-Xylenes	106	14.522	14.505	(1.018)	1237882	200.000	203
	72	o-Xylene	106	15.079	15.062	(1.057)	665495	100.000	104
	73	Styrene	104	15.137	15.132	(1.061)	1122565	100.000	103
	74	Bromoform	173	15.171	15.167	(1.063)	362266	100.000	108
	75	Isopropylbenzene	105	15.485	15.480	(0.889)	1587738	100.000	107
$	76	P-Bromofluorobenzene	95	15.868	15.863	(1.475)	504542	100.000	89.6

Data File: \\Target_server\GG\chem\gcms-z.i\Z011408.b\Z6353.D
Report Date: 15-Jan-2008 08:15

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)
	77 cis-1,4-Dichloro-2-Butene	53	15.937	15.933	(0.915)	109546	100.000	95.6
	78 trans-1,4-Dichloro-2-Butene	53	16.367	16.361	(0.939)	134392	100.000	104
	79 Bromobenzene	156	16.019	16.014	(0.919)	547020	100.000	101
	80 N-Propylbenzene	91	16.042	16.049	(0.921)	1904362	100.000	100
	81 1,1,2,2-Tetrachloroethane	83	16.112	16.119	(0.925)	514573	100.000	102
	82 1,3,5-Trimethylbenzene	105	16.309	16.315	(0.936)	1139106	100.000	96.5
	83 2-Chlorotoluene	91	16.262	16.268	(0.933)	1282103	100.000	100
	84 1,2,3-Trichloropropane	75	16.309	16.315	(0.936)	335040	100.000	92.4
	85 4-Chlorotoluene	91	16.495	16.489	(0.947)	1171600	100.000	97.1
	86 tert-Butylbenzene	119	16.761	16.768	(0.962)	1380851	100.000	111
	87 Pentachloroethane	117	16.785	16.780	(0.963)	352552	100.000	104
	88 1,2,4-Trimethylbenzene	105	16.854	16.850	(0.967)	1258818	100.000	107
	89 P-Isopropyltoluene	119	17.214	17.209	(0.988)	1209766	100.000	110
	90 1,3-Dichlorobenzene	146	17.330	17.326	(0.995)	897622	100.000	99.8
*	91 1,4-Dichlorobenzene-D4	152	17.423	17.430	(1.000)	290104	50.0000	
	92 1,4-Dichlorobenzene	146	17.458	17.453	(1.002)	879749	100.000	98.7
	93 N-Butylbenzene	91	17.818	17.813	(1.023)	1014061	100.000	105
	94 sec-Butylbenzene	105	17.005	17.012	(0.976)	1520936	100.000	101
	95 1,2-Dichlorobenzene	146	18.061	18.057	(1.037)	895471	100.000	106
	96 1,2-Dibromo-3-Chloropropane	75	19.234	19.229	(1.104)	62704	100.000	102
	97 1,3,5-Trichlorobenzene	180	19.303	19.299	(1.108)	540286	100.000	99.5
	98 Hexachlorobutadiene	225	20.243	20.239	(1.162)	215654	100.000	106
	99 1,2,4-Trichlorobenzene	180	20.278	20.273	(1.164)	414547	100.000	105
	100 1,2,3-Trimethylbenzene	105	17.481	17.476	(1.003)	1180523	100.000	95.9
	101 Naphthalene	128	20.777	20.773	(1.193)	491011	100.000	92.0
	102 1,2,3-Trichlorobenzene	180	21.067	21.063	(1.209)	318463	100.000	106
	103 Methyl Acetate	43	6.304	6.300	(0.622)	348025	100.000	102
	104 Methylcyclohexane	83	10.715	10.710	(1.057)	560421	100.000	84.0
M	153 Total Alkylbenzenes	100				9427900	100.000	730

QC Flag Legend

M - Compound response manually integrated.

Data File: \\Target_server\GG\chem\gcms-z.i\Z011408.b\Z6353.D
Report Date: 15-Jan-2008 08:15

Katahdin Analytical Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcms-z.i
Lab File ID: Z6353.D
Lab Smp Id: VSTD100Z14A
Analysis Type: VOA
Quant Type: ISTD
Operator: SKT
Method File: \\Target_server\GG\chem\gcms-z.i\Z011408.b\Z826a71.m
Misc Info: SW846 8260B

Calibration Date: 14-JAN-2008
Calibration Time: 15:31

Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 4

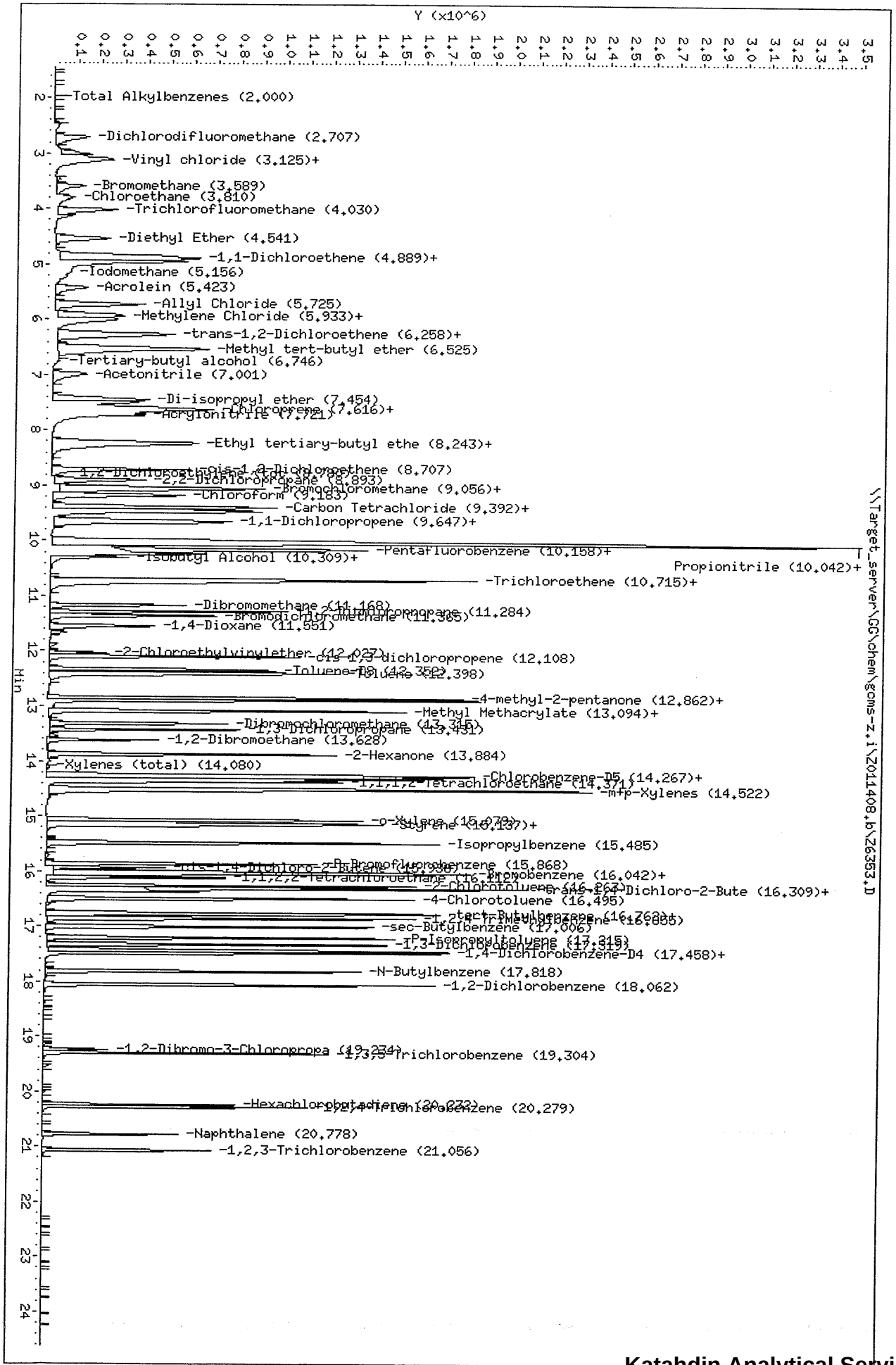
COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	493069	246535	986138	482244	-2.20
49 1,4-Difluorobenze	732175	366088	1464350	674262	-7.91
66 Chlorobenzene-D5	557383	278692	1114766	552648	-0.85
91 1,4-Dichlorobenze	283941	141971	567882	290104	2.17

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	10.14	9.64	10.64	10.13	-0.06
49 1,4-Difluorobenze	10.76	10.26	11.26	10.76	0.05
66 Chlorobenzene-D5	14.27	13.77	14.77	14.27	-0.05
91 1,4-Dichlorobenze	17.43	16.93	17.93	17.42	-0.04

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.

Data File: \\Target_server\GC\chem\gcms-z.i\Z011408.b\Z6353.D
Date : 14-JAN-2008 14:59
Client ID:
Sample Info: VSTD100Z14A
Purge Volume: 5.0
Column phase: RTX-VMS

Instrument: gcms-z.i
Operator: SKT
Column diameter: 0.18



Data File: \\Target_server\GG\chem\gcms-z.i\Z011408.b\Z6354.D
Report Date: 15-Jan-2008 08:15

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gcms-z.i\Z011408.b\Z6354.D
Lab Smp Id: VSTD050Z14A
Inj Date : 14-JAN-2008 15:31
Operator : SKT Inst ID: gcms-z.i
Smp Info : VSTD050Z14A
Misc Info : SW846 8260B
Comment :
Method : \\Target_server\GG\chem\gcms-z.i\Z011408.b\Z826a71.m
Meth Date : 15-Jan-2008 08:15 sthompson Quant Type: ISTD
Cal Date : 07-DEC-2007 15:26 Cal File: Z6019.D
Als bottle: 14 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.12

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	sample purged
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)	
1 Dichlorodifluoromethane	85	2.713	2.713	(0.268)	256333	50.0000		(a)
2 Chloromethane	50	3.061	3.062	(0.302)	383687	50.0000		(a)
3 Vinyl chloride	62	3.119	3.120	(0.308)	295692	50.0000		(a)
4 Bromomethane	94	3.583	3.584	(0.353)	129283	50.0000		(a)
5 Chloroethane	64	3.815	3.816	(0.376)	127347	50.0000		(a)
6 Trichlorofluoromethane	101	4.036	4.037	(0.398)	269306	50.0000		(a)
7 Diethyl Ether	59	4.535	4.536	(0.447)	190964	50.0000		(a)
8 Tertiary-butyl alcohol	59	6.752	6.752	(0.666)	35269	250.000		(TaM) ML
9 1,1-Dichloroethene	96	4.860	4.861	(0.479)	221042	50.0000		(a)
10 Carbon Disulfide	76	4.895	4.895	(0.483)	713603	50.0000		(a)
11 Freon-113	151	4.953	4.953	(0.488)	198128	50.0000		(a)
12 Iodomethane	142	5.139	5.139	(0.507)	190359	50.0000		(aM) MIU
13 Acrolein	56	5.440	5.441	(0.536)	188182	250.000		(a)
14 Methylene Chloride	84	5.928	5.928	(0.585)	267273	50.0000		(a)
15 Acetone	43	6.009	6.010	(0.593)	257694	250.000		(a)
16 Isobutyl Alcohol	43	10.303	10.304	(1.016)	106620	1000.00		(aH)
17 trans-1,2-Dichloroethene	96	6.264	6.265	(0.618)	249134	50.0000		(a)
18 Allyl Chloride	41	5.719	5.719	(0.564)	375032	50.0000		(a)
19 Methyl tert-butyl ether	73	6.543	6.543	(0.645)	1037621	100.000		(a)
20 Acetonitrile	39	6.996	6.996	(0.690)	42845	500.000		(a)
21 Di-isopropyl ether	45	7.448	7.449	(0.734)	995406	50.0000		(TaM) ML
22 Chloroprene	53	7.599	7.600	(0.749)	314208	50.0000		(aH)
23 Propionitrile	54	10.002	10.002	(0.986)	238593	500.000		(a)
24 Methacrylonitrile	41	10.036	10.037	(0.990)	1266580	500.000		(aH)

SKT 01/15/08

Data File: \\Target_server\GG\chem\gcms-z.i\Z011408.b\Z6354.D
Report Date: 15-Jan-2008 08:15

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)	
	25 1,1-Dichloroethane	63	7.634	7.634	(0.753)	398221	50.0000		(a)
	26 Acrylonitrile	52	7.715	7.716	(0.761)	310876	250.000		(a)
	27 Ethyl tertiary-butyl ether	59	8.237	8.238	(0.812)	731629	50.0000		(TaM) MC
	28 Vinyl Acetate	43	8.226	8.226	(0.765)	542944	50.0000		(a) SKT
	29 cis-1,2-Dichloroethene	96	8.713	8.714	(0.859)	267469	50.0000		(a) 01/15/08
M	30 1,2-Dichloroethylene (total)	96				516603	50.0000		(a)
	31 Methyl Methacrylate	41	13.089	13.089	(1.217)	199336	50.0000		(a)
	32 2,2-Dichloropropane	77	8.899	8.899	(0.878)	261125	50.0000		(a)
	33 Bromochloromethane	128	9.038	9.039	(0.891)	122050	50.0000		(a)
	34 Chloroform	83	9.178	9.178	(0.905)	347254	50.0000		(a)
	35 Carbon Tetrachloride	117	9.375	9.375	(0.872)	226814	50.0000		(aH)
	36 Tetrahydrofuran	42	9.398	9.399	(0.927)	236685	250.000		(a)
$	37 Dibromofluoromethane	113	9.456	9.457	(0.932)	263247	50.0000		(a)
	38 1,1,1-Trichloroethane	97	9.479	9.480	(0.935)	277204	50.0000		(a)
	39 1,1-Dichloropropene	75	9.653	9.654	(0.897)	297127	50.0000		(a)
	40 2-Butanone	43	9.630	9.631	(0.950)	463646	250.000		(a)
	41 Benzene	78	9.990	9.990	(0.929)	844389	50.0000		(a)
*	42 Pentafluorobenzene	168	10.141	10.141	(1.000)	493069	50.0000		
	43 Cyclohexane	56	9.061	9.062	(0.894)	323159	50.0000		(a)
	44 Ethyl Methacrylate	69	13.089	13.089	(1.217)	263929	50.0000		(a)
$	45 1,2-Dichloroethane-D4	65	10.152	10.153	(1.001)	219694	50.0000		(aH)
	46 Tertiary-amyl methyl ether	73	10.176	10.176	(1.003)	629657	50.0000		(a)
	47 1,2-Dichloroethane	62	10.245	10.246	(0.953)	280386	50.0000		(a)
	48 Trichloroethene	95	10.710	10.710	(0.996)	235605	50.0000		(a)
*	49 1,4-Difluorobenzene	114	10.756	10.756	(1.000)	732175	50.0000		
	50 Dibromomethane	93	11.174	11.174	(1.039)	142202	50.0000		(a)
	51 1,2-Dichloropropane	63	11.278	11.279	(1.049)	205363	50.0000		(a)
	52 Bromodichloromethane	83	11.359	11.360	(1.056)	275666	50.0000		(a)
	53 cis-1,3-dichloropropene	75	12.102	12.103	(1.125)	359185	50.0000		(a)
	54 1,4-Dioxane	88	11.580	11.581	(1.077)	41056	1000.00		(a)
$	55 Toluene-D8	98	12.334	12.335	(1.147)	720528	50.0000		(a)
	56 2-Chloroethylvinylether	63	12.021	12.022	(1.118)	68449	50.0000		(a)
	57 Toluene	92	12.404	12.405	(1.153)	452656	50.0000		(a)
	58 4-methyl-2-pentanone	43	12.845	12.846	(1.194)	1012696	250.000		(a)
	59 Tetrachloroethene	164	12.880	12.880	(0.897)	183621	50.0000		(a)
	60 trans-1,3-Dichloropropene	75	12.891	12.892	(1.199)	258596	50.0000		(a)
	61 1,1,2-Trichloroethane	83	13.089	13.089	(1.217)	168256	50.0000		(a)
	62 Dibromochloromethane	129	13.321	13.321	(0.927)	267149	50.0000		(a)
	63 1,3-Dichloropropane	76	13.437	13.437	(0.935)	357724	50.0000		(a)
	64 1,2-Dibromoethane	107	13.623	13.623	(1.267)	224245	50.0000		(a)
	65 2-Hexanone	43	13.878	13.879	(0.966)	744260	250.000		(a)
*	66 Chlorobenzene-D5	117	14.273	14.273	(1.000)	557383	50.0000		(H)
	67 Chlorobenzene	112	14.284	14.285	(0.994)	600497	50.0000		(a)
	152 1-Chlorohexane	91	14.249	14.250	(1.405)	274202	50.0000		(aH)
	68 Ethylbenzene	91	14.319	14.320	(0.997)	970513	50.0000		(a)
	69 1,1,1,2-Tetrachloroethane	131	14.365	14.366	(1.000)	219956	50.0000		(a)
M	70 Xylenes (total)	106				1084432	150.000		(a)
	71 m+p-Xylenes	106	14.505	14.505	(1.010)	757847	100.000		(a)
	72 o-Xylene	106	15.062	15.062	(1.048)	326585	50.0000		(a)
	73 Styrene	104	15.131	15.132	(1.053)	606874	50.0000		(a)
	74 Bromoform	173	15.166	15.167	(1.056)	172625	50.0000		(a)
	75 Isopropylbenzene	105	15.480	15.480	(0.888)	803323	50.0000		(a)
$	76 P-Bromofluorobenzene	95	15.863	15.863	(1.475)	273913	50.0000		(a)
	77 cis-1,4-Dichloro-2-Butene	53	15.932	15.933	(0.914)	53394	50.0000		(aH)

Data File: \\Target_server\GG\chem\gcms-z.i\Z011408.b\Z6354.D
Report Date: 15-Jan-2008 08:15

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)	
78 trans-1,4-Dichloro-2-Butene	53	16.362	16.361	(0.939)	62696	50.0000		(a)
79 Bromobenzene	156	16.014	16.014	(0.919)	263080	50.0000		(a)
80 N-Propylbenzene	91	16.048	16.049	(0.921)	996462	50.0000		(a)
81 1,1,2,2-Tetrachloroethane	83	16.118	16.119	(0.925)	231420	50.0000		(a)
82 1,3,5-Trimethylbenzene	105	16.315	16.315	(0.936)	577563	50.0000		(a)
83 2-Chlorotoluene	91	16.269	16.268	(0.933)	618862	50.0000		(a)
84 1,2,3-Trichloropropane	75	16.315	16.315	(0.936)	162040	50.0000		(aH)
85 4-Chlorotoluene	91	16.489	16.489	(0.946)	582723	50.0000		(a)
86 tert-Butylbenzene	119	16.768	16.768	(0.962)	715086	50.0000		(aH)
87 Pentachloroethane	117	16.780	16.780	(0.963)	214928	50.0000		(aH)
88 1,2,4-Trimethylbenzene	105	16.849	16.850	(0.967)	580256	50.0000		(aH)
89 P-Isopropyltoluene	119	17.209	17.209	(0.987)	654842	50.0000		(a)
90 1,3-Dichlorobenzene	146	17.325	17.326	(0.994)	446346	50.0000		(aH)
* 91 1,4-Dichlorobenzene-D4	152	17.429	17.430	(1.000)	283941	50.0000		
92 1,4-Dichlorobenzene	146	17.453	17.453	(1.001)	402754	50.0000		(a)
93 N-Butylbenzene	91	17.812	17.813	(1.022)	547181	50.0000		(a)
94 sec-Butylbenzene	105	17.012	17.012	(0.976)	785410	50.0000		(a)
95 1,2-Dichlorobenzene	146	18.056	18.057	(1.036)	418099	50.0000		(a)
96 1,2-Dibromo-3-Chloropropane	75	19.228	19.229	(1.103)	31474	50.0000		(aH)
97 1,3,5-Trichlorobenzene	180	19.298	19.299	(1.107)	277760	50.0000		(a)
98 Hexachlorobutadiene	225	20.238	20.239	(1.161)	101935	50.0000		(a)
99 1,2,4-Trichlorobenzene	180	20.273	20.273	(1.163)	201725	50.0000		(a)
100 1,2,3-Trimethylbenzene	105	17.476	17.476	(1.003)	638615	50.0000		(a)
101 Naphthalene	128	20.772	20.773	(1.192)	243920	50.0000		(a)
102 1,2,3-Trichlorobenzene	180	21.062	21.063	(1.208)	141877	50.0000		(a)
103 Methyl Acetate	43	6.299	6.300	(0.621)	174034	50.0000		(a)
104 Methylcyclohexane	83	10.710	10.710	(1.056)	315587	50.0000		(a)
M 153 Total Alkylbenzenes	100				4856800	50.0000		(a)

QC Flag Legend

T - Target compound detected outside RT window.
a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).
M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

Data File: \\Target_server\GG\chem\gcms-z.i\Z011408.b\Z6354.D
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Katahdin Analytical Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcms-z.i
Lab File ID: Z6354.D
Lab Smp Id: VSTD050Z14A
Analysis Type: VOA
Quant Type: ISTD
Operator: SKT
Method File: \\Target_server\GG\chem\gcms-z.i\Z011408.b\Z826a71.m
Misc Info: SW846 8260B

Calibration Date: 14-JAN-2008
Calibration Time: 15:31

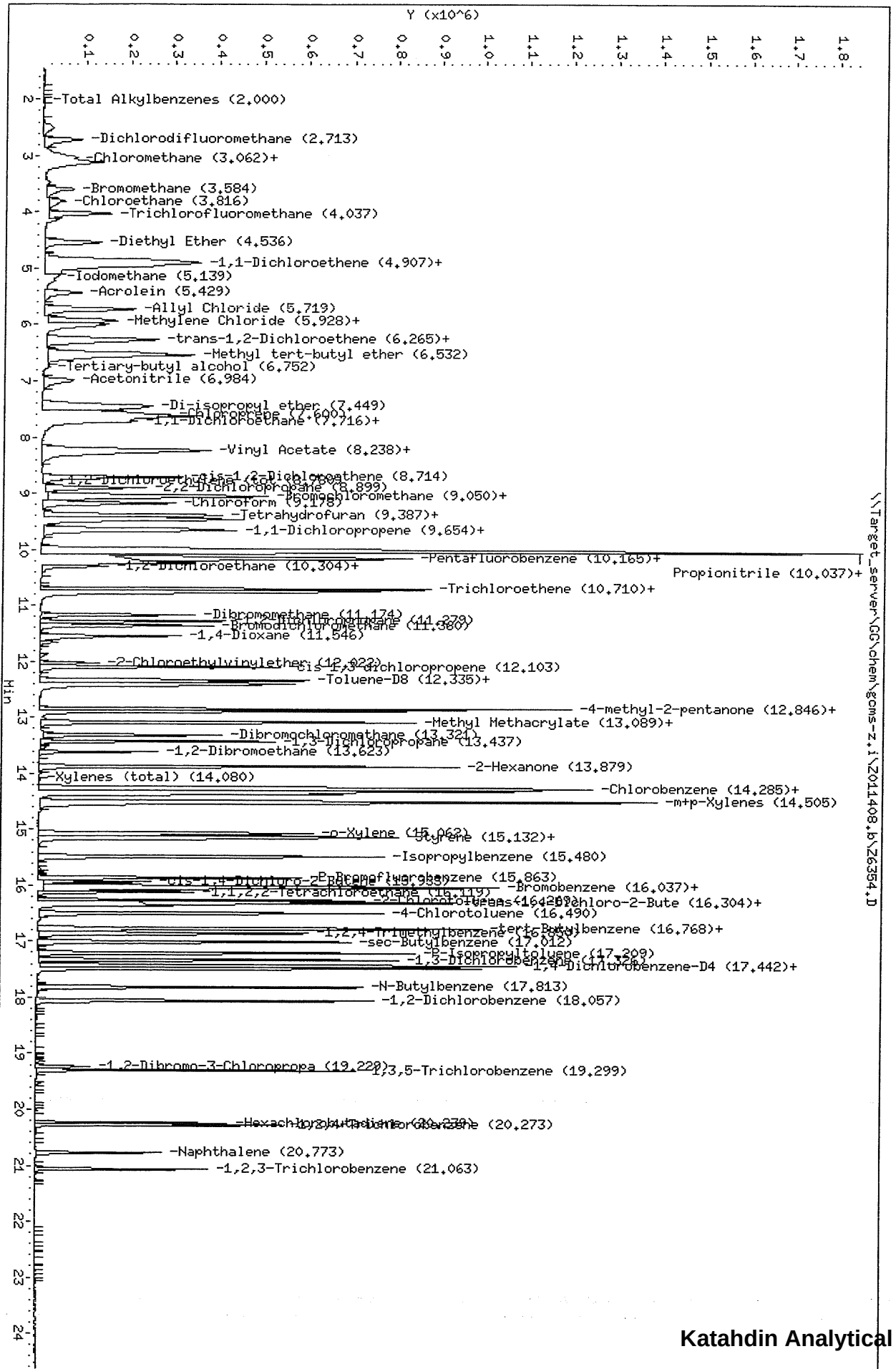
Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 4

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	493069	246535	986138	493069	0.00
49 1,4-Difluorobenze	732175	366088	1464350	732175	0.00
66 Chlorobenzene-D5	557383	278692	1114766	557383	0.00
91 1,4-Dichlorobenze	283941	141971	567882	283941	0.00

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	10.14	9.64	10.64	10.14	0.00
49 1,4-Difluorobenze	10.76	10.26	11.26	10.76	0.00
66 Chlorobenzene-D5	14.27	13.77	14.77	14.27	0.00
91 1,4-Dichlorobenze	17.43	16.93	17.93	17.43	0.00

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.


Data File: \\Target_server\GC\chem\gcms-z.i\Z011408.b\Z6354.D
Date : 14-JAN-2008 15:31
Client ID:
Sample Info: VSTD050214A
Purge Volume: 5.0
Column phase: RTX-VMS
Instrument: gcms-z.i
Operator: SKT
Column diameter: 0.18
Y (x10^6)
Min
-Total Alkylbenzenes (2.000)
-Dichlorodifluoromethane (2.713)
-Chloromethane (3.062)+
-Bromomethane (3.584)
-Chloroethane (3.816)
-Trichlorofluoromethane (4.037)
-Diethyl Ether (4.536)
-1,1-Dichloroethene (4.907)+
-Iodomethane (5.139)
-Acrolein (5.429)
-Allyl Chloride (5.719)
-Methylene Chloride (5.928)+
-trans-1,2-Dichloroethene (6.265)+
-Methyl tert-butyl ether (6.532)
-Tertiary-butyl alcohol (6.752)
-Acetonitrile (6.984)
-Di-isopropyl ether (7.449)
-Chloroprene (7.600)
-1,1-Dichloroethane (7.716)+
-Vinyl Acetate (8.238)+
-1,2-Dichloroethene (8.714)
-2,2-Dichloropropane (8.899)
-Bromochloromethane (9.050)+
-Chloroform (9.178)
-Tetrahydrofuran (9.387)+
-1,1-Dichloropropene (9.654)+
-Pentafluorobenzene (10.165)+
-1,2-Dichloroethane (10.304)+
Propionitrile (10.037)+
-Trichloroethene (10.710)+
-Dibromomethane (11.174)
-Bromodichloromethane (11.380)
-1,4-Dioxane (11.546)
-2-Chloroethylvinylether (12.022)
-Toluene-D8 (12.335)+
-4-methyl-2-pentanone (12.846)+
-Methyl Methacrylate (13.089)+
-Dibromochloromethane (13.321)
-1,2-Dibromoethane (13.623)
-2-Hexanone (13.879)
-Xylenes (total) (14.080)
-Chlorobenzene (14.285)+
-m+p-Xylenes (14.505)
-o-Xylene (15.062)
-Isopropylbenzene (15.480)
-Bromobenzene (16.037)+
-4-Chlorotoluene (16.490)
-1,2,4-Trimethylbenzene (16.669)
-sec-Butylbenzene (17.012)
-N-Butylbenzene (17.813)
-1,2-Dichlorobenzene (18.057)
-1,2-Dibromo-3-Chloropropa (19.220)
1,3,5-Trichlorobenzene (19.299)
-Naphthalene (20.773)
-1,2,3-Trichlorobenzene (21.063)

Data File: \\Target_server\GG\chem\gcms-z.i\Z011408.b\Z6355.D
Report Date: 15-Jan-2008 08:15

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gcms-z.i\Z011408.b\Z6355.D
Lab Smp Id: VSTD020Z14A
Inj Date : 14-JAN-2008 16:03
Operator : SKT Inst ID: gcms-z.i
Smp Info : VSTD020Z14A
Misc Info : SW846 8260B
Comment :
Method : \\Target_server\GG\chem\gcms-z.i\Z011408.b\Z826a71.m
Meth Date : 15-Jan-2008 08:15 sthompson Quant Type: ISTD
Cal Date : 14-JAN-2008 16:03 Cal File: Z6355.D
Als bottle: 15 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.12
Processing Host: TARGET03

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	sample purged
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)	
1 Dichlorodifluoromethane	85	2.719	2.713	(0.269)	103153	20.0000	22.7	
2 Chloromethane	50	3.056	3.062	(0.302)	158348	20.0000	25.0	
3 Vinyl chloride	62	3.114	3.120	(0.308)	121938	20.0000	21.3	
4 Bromomethane	94	3.602	3.584	(0.356)	59976	20.0000	26.1	
5 Chloroethane	64	3.810	3.816	(0.376)	57388	20.0000	25.2	
6 Trichlorofluoromethane	101	4.031	4.037	(0.398)	109144	20.0000	21.6	
7 Diethyl Ether	59	4.542	4.536	(0.449)	72998	20.0000	20.0	
8 Tertiary-butyl alcohol	59	6.758	6.752	(0.668)	17578	100.000	97.7 (M)	MI
9 1,1-Dichloroethene	96	4.843	4.861	(0.478)	86815	20.0000	20.4	
10 Carbon Disulfide	76	4.890	4.895	(0.483)	283540	20.0000	20.1	
11 Freon-113	151	4.936	4.953	(0.488)	76097	20.0000	22.0	
12 Iodomethane	142	5.087	5.139	(0.502)	76999	20.0000	25.7 (M)	MQ
13 Acrolein	56	5.447	5.441	(0.538)	68450	100.000	97.3	
14 Methylene Chloride	84	5.923	5.928	(0.585)	112036	20.0000	23.2	
15 Acetone	43	6.016	6.010	(0.594)	119840	100.000	96.6	
16 Isobutyl Alcohol	43	10.310	10.304	(1.018)	46401	400.000	372	
17 trans-1,2-Dichloroethene	96	6.248	6.265	(0.617)	107286	20.0000	22.1	
18 Allyl Chloride	41	5.725	5.719	(0.566)	141857	20.0000	22.8	
19 Methyl tert-butyl ether	73	6.503	6.543	(0.642)	432494	40.0000	43.2 (M)	MI
20 Acetonitrile	39	6.991	6.996	(0.690)	19311	200.000	216 (M)	MQ
21 Di-isopropyl ether	45	7.455	7.449	(0.736)	393272	20.0000	23.2	
22 Chloroprene	53	7.606	7.600	(0.751)	134923	20.0000	22.0	
23 Propionitrile	54	9.997	10.002	(0.987)	94435	200.000	206	

SICI 011508

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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 Methacrylonitrile	41	10.031	10.037	(0.991)	615315	200.000	223
	25 1,1-Dichloroethane	63	7.617	7.634	(0.752)	165886	20.0000	21.4
	26 Acrylonitrile	52	7.710	7.716	(0.762)	123651	100.000	103
	27 Ethyl tertiary-butyl ether	59	8.221	8.238	(0.812)	307957	20.0000	23.4
	28 Vinyl Acetate	43	8.221	8.226	(0.765)	233543	20.0000	21.9
	29 cis-1,2-Dichloroethene	96	8.708	8.714	(0.860)	107783	20.0000	21.5
M	30 1,2-Dichloroethylene (total)	96				215069	20.0000	43.6
	31 Methyl Methacrylate	41	13.084	13.089	(1.217)	84275	20.0000	22.5
	32 2,2-Dichloropropane	77	8.894	8.899	(0.878)	107354	20.0000	21.4
	33 Bromochloromethane	128	9.033	9.039	(0.892)	52179	20.0000	22.4
	34 Chloroform	83	9.172	9.178	(0.906)	144035	20.0000	19.7
	35 Carbon Tetrachloride	117	9.370	9.375	(0.872)	96593	20.0000	21.5
	36 Tetrahydrofuran	42	9.405	9.399	(0.929)	113716	100.000	104
$	37 Dibromofluoromethane	113	9.439	9.457	(0.932)	112223	20.0000	19.8
	38 1,1,1-Trichloroethane	97	9.474	9.480	(0.936)	117183	20.0000	21.7
	39 1,1-Dichloropropene	75	9.660	9.654	(0.899)	122182	20.0000	21.3
	40 2-Butanone	43	9.625	9.631	(0.951)	185219	100.000	97.8
	41 Benzene	78	9.997	9.990	(0.930)	366753	20.0000	21.9
*	42 Pentafluorobenzene	168	10.124	10.141	(1.000)	500951	50.0000	
	43 Cyclohexane	56	9.045	9.062	(0.893)	132533	20.0000	24.4
	44 Ethyl Methacrylate	69	13.084	13.089	(1.217)	107336	20.0000	22.7
$	45 1,2-Dichloroethane-D4	65	10.147	10.153	(1.002)	87783	20.0000	18.7
	46 Tertiary-amyl methyl ether	73	10.171	10.176	(1.005)	240446	20.0000	20.2
	47 1,2-Dichloroethane	62	10.240	10.246	(0.953)	106821	20.0000	20.6
	48 Trichloroethene	95	10.705	10.710	(0.996)	103608	20.0000	14.7
*	49 1,4-Difluorobenzene	114	10.751	10.756	(1.000)	708457	50.0000	
	50 Dibromomethane	93	11.169	11.174	(1.039)	55913	20.0000	19.6
	51 1,2-Dichloropropane	63	11.285	11.279	(1.050)	109820	20.0000	23.0
	52 Bromodichloromethane	83	11.354	11.360	(1.056)	132161	20.0000	22.2
	53 cis-1,3-dichloropropene	75	12.097	12.103	(1.125)	155153	20.0000	22.2
	54 1,4-Dioxane	88	11.587	11.581	(1.078)	26184	400.000	408
$	55 Toluene-D8	98	12.341	12.335	(1.148)	306564	20.0000	20.8
	56 2-Chloroethylvinylether	63	12.028	12.022	(1.119)	30871	20.0000	22.1
	57 Toluene	92	12.399	12.405	(1.153)	228780	20.0000	23.7
	58 4-methyl-2-pentanone	43	12.852	12.846	(1.195)	422300	100.000	107
	59 Tetrachloroethene	164	12.875	12.880	(0.902)	89639	20.0000	20.0
	60 trans-1,3-Dichloropropene	75	12.898	12.892	(1.200)	117514	20.0000	21.6
	61 1,1,2-Trichloroethane	83	13.095	13.089	(1.218)	75259	20.0000	22.9
	62 Dibromochloromethane	129	13.316	13.321	(0.933)	106978	20.0000	19.4
	63 1,3-Dichloropropane	76	13.432	13.437	(0.941)	132260	20.0000	19.0
	64 1,2-Dibromoethane	107	13.618	13.623	(1.267)	92742	20.0000	20.6
	65 2-Hexanone	43	13.873	13.879	(0.972)	287327	100.000	97.4
*	66 Chlorobenzene-D5	117	14.268	14.273	(1.000)	627436	50.0000	
	67 Chlorobenzene	112	14.291	14.285	(1.002)	255456	20.0000	21.0
	152 1-Chlorohexane	91	14.256	14.250	(1.408)	121062	20.0000	20.3
	68 Ethylbenzene	91	14.326	14.320	(1.004)	388540	20.0000	20.6
	69 1,1,1,2-Tetrachloroethane	131	14.360	14.366	(1.007)	101567	20.0000	22.0
M	70 Xylenes (total)	106				435724	60.0000	62.0
	71 m+p-Xylenes	106	14.511	14.505	(1.017)	293621	40.0000	42.3
	72 o-Xylene	106	15.068	15.062	(1.056)	142103	20.0000	19.6
	73 Styrene	104	15.138	15.132	(1.061)	240851	20.0000	19.4
	74 Bromoform	173	15.173	15.167	(1.063)	71756	20.0000	18.9
	75 Isopropylbenzene	105	15.475	15.480	(0.888)	291570	20.0000	18.7
$	76 P-Bromofluorobenzene	95	15.858	15.863	(1.475)	121573	20.0000	20.6

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Report Date: 15-Jan-2008 08:15

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)
77 cis-1,4-Dichloro-2-Butene	53	15.927	15.933	(0.914)	24483	20.0000	20.3
78 trans-1,4-Dichloro-2-Butene	53	16.368	16.361	(0.939)	27591	20.0000	20.2
79 Bromobenzene	156	16.020	16.014	(0.919)	117301	20.0000	20.6
80 N-Propylbenzene	91	16.043	16.049	(0.921)	391365	20.0000	19.6
81 1,1,2,2-Tetrachloroethane	83	16.113	16.119	(0.925)	109695	20.0000	20.8
82 1,3,5-Trimethylbenzene	105	16.310	16.315	(0.936)	267484	20.0000	21.5
83 2-Chlorotoluene	91	16.264	16.268	(0.933)	298987	20.0000	22.2
84 1,2,3-Trichloropropane	75	16.310	16.315	(0.936)	87119	20.0000	22.8
85 4-Chlorotoluene	91	16.496	16.489	(0.947)	243651	20.0000	19.2
86 tert-Butylbenzene	119	16.763	16.768	(0.962)	250195	20.0000	19.1
87 Pentachloroethane	117	16.786	16.780	(0.963)	65190	20.0000	18.4
88 1,2,4-Trimethylbenzene	105	16.856	16.850	(0.967)	260155	20.0000	21.1
89 P-Isopropyltoluene	119	17.216	17.209	(0.988)	257669	20.0000	22.2
90 1,3-Dichlorobenzene	146	17.320	17.326	(0.994)	197593	20.0000	20.9
* 91 1,4-Dichlorobenzene-D4	152	17.424	17.430	(1.000)	305444	50.0000	
92 1,4-Dichlorobenzene	146	17.448	17.453	(1.001)	203613	20.0000	21.7
93 N-Butylbenzene	91	17.819	17.813	(1.023)	202189	20.0000	19.9
94 sec-Butylbenzene	105	17.007	17.012	(0.976)	322561	20.0000	20.3
95 1,2-Dichlorobenzene	146	18.051	18.057	(1.036)	158060	20.0000	17.7
96 1,2-Dibromo-3-Chloropropane	75	19.235	19.229	(1.104)	10886	20.0000	16.7
97 1,3,5-Trichlorobenzene	180	19.305	19.299	(1.108)	100988	20.0000	17.7
98 Hexachlorobutadiene	225	20.233	20.239	(1.161)	42272	20.0000	19.7
99 1,2,4-Trichlorobenzene	180	20.280	20.273	(1.164)	77738	20.0000	18.7
100 1,2,3-Trimethylbenzene	105	17.482	17.476	(1.003)	250841	20.0000	19.4
101 Naphthalene	128	20.779	20.773	(1.192)	95155	20.0000	16.9
102 1,2,3-Trichlorobenzene	180	21.069	21.063	(1.209)	59130	20.0000	18.8
103 Methyl Acetate	43	6.294	6.300	(0.622)	68517	20.0000	19.4
104 Methylcyclohexane	83	10.705	10.710	(1.057)	121443	20.0000	17.5
M 153 Total Alkylbenzenes	100				1951618	20.0000	144

QC Flag Legend

M - Compound response manually integrated.

Data File: \\Target_server\GG\chem\gcms-z.i\Z011408.b\Z6355.D
Report Date: 15-Jan-2008 08:15

Katahdin Analytical Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcms-z.i
Lab File ID: Z6355.D
Lab Smp Id: VSTD020Z14A
Analysis Type: VOA
Quant Type: ISTD
Operator: SKT
Method File: \\Target_server\GG\chem\gcms-z.i\Z011408.b\Z826a71.m
Misc Info: SW846 8260B

Calibration Date: 14-JAN-2008
Calibration Time: 15:31

Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 4

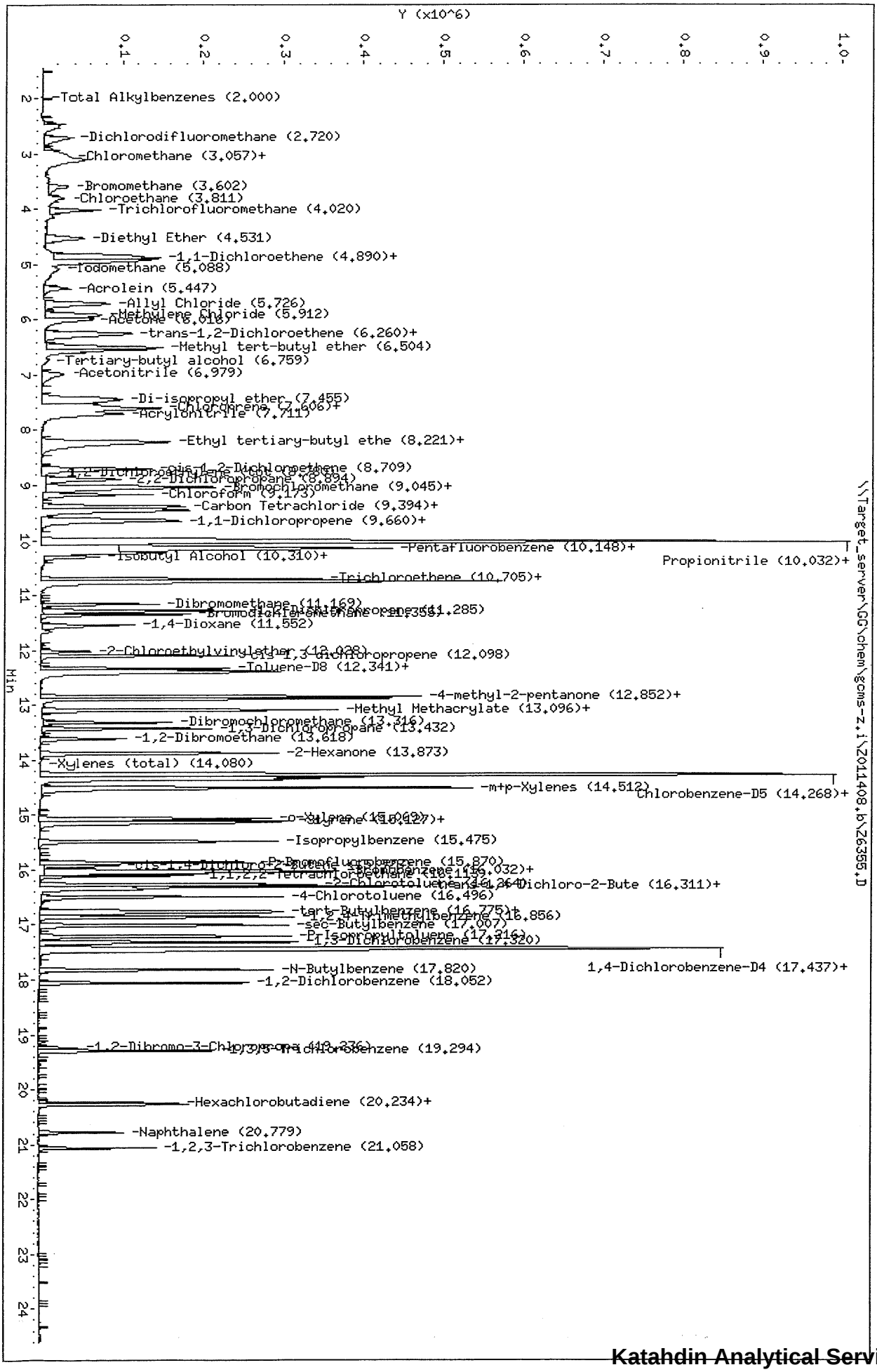
COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	493069	246535	986138	500951	1.60
49 1,4-Difluorobenze	732175	366088	1464350	708457	-3.24
66 Chlorobenzene-D5	557383	278692	1114766	627436	12.57
91 1,4-Dichlorobenze	283941	141971	567882	305444	7.57

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	10.14	9.64	10.64	10.12	-0.16
49 1,4-Difluorobenze	10.76	10.26	11.26	10.75	-0.05
66 Chlorobenzene-D5	14.27	13.77	14.77	14.27	-0.04
91 1,4-Dichlorobenze	17.43	16.93	17.93	17.42	-0.03

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.

Data File: \\Target_server\GC\chem\gcms-z.i\Z011408.b\Z6355.D
Date : 14-JAN-2008 16:03
Client ID:
Sample Info: VSTD020Z14A
Purge Volume: 5.0
Column phase: RTX-VMS

Instrument: gcms-z.i
Operator: SKT
Column diameter: 0.18



Data File: \\Target_server\GG\chem\gcms-z.i\Z011408.b\Z6356.D
Report Date: 15-Jan-2008 08:15

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gcms-z.i\Z011408.b\Z6356.D
Lab Smp Id: VSTD005Z14A
Inj Date : 14-JAN-2008 16:35
Operator : SKT Inst ID: gcms-z.i
Smp Info : VSTD005Z14A
Misc Info : SW846 8260B
Comment :
Method : \\Target_server\GG\chem\gcms-z.i\Z011408.b\Z826a71.m
Meth Date : 15-Jan-2008 08:15 sthompson Quant Type: ISTD
Cal Date : 14-JAN-2008 16:35 Cal File: Z6356.D
Als bottle: 16 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.12
Processing Host: TARGET03

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	sample purged
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)
1 Dichlorodifluoromethane	85	2.713	2.713	(0.268)	18430	5.00000	4.3
2 Chloromethane	50	3.049	3.062	(0.301)	35210	5.00000	5.3 (M) M1
3 Vinyl chloride	62	3.131	3.120	(0.309)	24115	5.00000	4.4
4 Bromomethane	94	3.595	3.584	(0.355)	9737	5.00000	4.5
5 Chloroethane	64	3.804	3.816	(0.376)	9512	5.00000	4.4
6 Trichlorofluoromethane	101	4.024	4.037	(0.397)	19315	5.00000	4.0
7 Diethyl Ether	59	4.535	4.536	(0.448)	15853	5.00000	4.6
8 Tertiary-butyl alcohol	59	6.752	6.752	(0.667)	6736	25.0000	39.6
9 1,1-Dichloroethene	96	4.848	4.861	(0.479)	16473	5.00000	4.1
10 Carbon Disulfide	76	4.883	4.895	(0.482)	53554	5.00000	4.0
11 Freon-113	151	4.941	4.953	(0.488)	12716	5.00000	3.9
12 Iodomethane	142	5.092	5.139	(0.503)	15400	5.00000	5.2 (M) M1
13 Acrolein	56	5.429	5.441	(0.536)	15031	25.0000	22.6
14 Methylene Chloride	84	5.916	5.928	(0.584)	22387	5.00000	4.9 (a)
15 Acetone	43	6.009	6.010	(0.593)	29374	25.0000	25.0
16 Isobutyl Alcohol	43	10.303	10.304	(1.017)	13960	100.000	118
17 trans-1,2-Dichloroethene	96	6.253	6.265	(0.617)	19279	5.00000	4.2
18 Allyl Chloride	41	5.707	5.719	(0.563)	22220	5.00000	3.8
19 Methyl tert-butyl ether	73	6.543	6.543	(0.646)	89017	10.0000	8.9 (M) M5
20 Acetonitrile	39	6.996	6.996	(0.691)	5797	50.0000	65.3 (M) ↓
21 Di-isopropyl ether	45	7.460	7.449	(0.736)	84700	5.00000	5.3
22 Chloroprene	53	7.587	7.600	(0.749)	23242	5.00000	4.0
23 Propionitrile	54	10.002	10.002	(0.987)	21349	50.0000	49.3

SKT 011508

Data File: \\Target_server\GG\chem\gcms-z.i\Z011408.b\Z6356.D
Report Date: 15-Jan-2008 08:15

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)
	24 Methacrylonitrile	41	10.036	10.037	(0.991)	137479	50.0000	52.7
	25 1,1-Dichloroethane	63	7.622	7.634	(0.753)	31005	5.00000	4.2
	26 Acrylonitrile	52	7.715	7.716	(0.762)	23122	25.0000	20.4
	27 Ethyl tertiary-butyl ether	59	8.226	8.238	(0.812)	61773	5.00000	4.6(M)
	28 Vinyl Acetate	43	8.214	8.226	(0.764)	47332	5.00000	4.7
	29 cis-1,2-Dichloroethene	96	8.702	8.714	(0.859)	21602	5.00000	4.6
M	30 1,2-Dichloroethylene (total)	96				40881	5.00000	8.8
	31 Methyl Methacrylate	41	13.089	13.089	(1.217)	15580	5.00000	4.4
	32 2,2-Dichloropropane	77	8.887	8.899	(0.877)	20683	5.00000	4.4
	33 Bromochloromethane	128	9.027	9.039	(0.891)	10405	5.00000	4.7
	34 Chloroform	83	9.178	9.178	(0.906)	34334	5.00000	5.0
	35 Carbon Tetrachloride	117	9.375	9.375	(0.872)	18532	5.00000	4.4
	36 Tetrahydrofuran	42	9.398	9.399	(0.928)	25110	25.0000	24.3
$	37 Dibromofluoromethane	113	9.444	9.457	(0.932)	24929	5.00000	4.6
	38 1,1,1-Trichloroethane	97	9.468	9.480	(0.935)	21618	5.00000	4.2
	39 1,1-Dichloropropene	75	9.653	9.654	(0.897)	21920	5.00000	4.1
	40 2-Butanone	43	9.619	9.631	(0.950)	42314	25.0000	23.6
	41 Benzene	78	9.990	9.990	(0.929)	77070	5.00000	4.9
*	42 Pentafluorobenzene	168	10.129	10.141	(1.000)	473663	50.0000	
	43 Cyclohexane	56	9.038	9.062	(0.892)	18921	5.00000	3.7
	44 Ethyl Methacrylate	69	13.089	13.089	(1.217)	19072	5.00000	4.3
$	45 1,2-Dichloroethane-D4	65	10.152	10.153	(1.002)	21437	5.00000	4.8
	46 Tertiary-amyl methyl ether	73	10.164	10.176	(1.003)	53480	5.00000	4.8
	47 1,2-Dichloroethane	62	10.234	10.246	(0.951)	22922	5.00000	4.7
	48 Trichloroethene	95	10.710	10.710	(0.996)	21112	5.00000	3.2
*	49 1,4-Difluorobenzene	114	10.756	10.756	(1.000)	662977	50.0000	
	50 Dibromomethane	93	11.174	11.174	(1.039)	13593	5.00000	5.1
	51 1,2-Dichloropropane	63	11.290	11.279	(1.050)	20107	5.00000	4.5
	52 Bromodichloromethane	83	11.359	11.360	(1.056)	25247	5.00000	4.5
	53 cis-1,3-dichloropropene	75	12.102	12.103	(1.125)	30369	5.00000	4.6
	54 1,4-Dioxane	88	11.580	11.581	(1.077)	9222	100.000	154
$	55 Toluene-D8	98	12.346	12.335	(1.148)	65518	5.00000	4.8
	56 2-Chloroethylvinylether	63	12.021	12.022	(1.118)	8173	5.00000	6.2
	57 Toluene	92	12.404	12.405	(1.153)	44208	5.00000	4.9
	58 4-methyl-2-pentanone	43	12.845	12.846	(1.194)	89929	25.0000	24.4
	59 Tetrachloroethene	164	12.868	12.880	(0.902)	18715	5.00000	4.6
	60 trans-1,3-Dichloropropene	75	12.891	12.892	(1.199)	21646	5.00000	4.2
	61 1,1,2-Trichloroethane	83	13.089	13.089	(1.217)	14402	5.00000	4.7
	62 Dibromochloromethane	129	13.321	13.321	(0.934)	23468	5.00000	4.8
	63 1,3-Dichloropropane	76	13.425	13.437	(0.941)	30495	5.00000	4.9
	64 1,2-Dibromoethane	107	13.623	13.623	(1.267)	19732	5.00000	4.7
	65 2-Hexanone	43	13.878	13.879	(0.973)	59324	25.0000	22.5
*	66 Chlorobenzene-D5	117	14.261	14.273	(1.000)	561272	50.0000	
	67 Chlorobenzene	112	14.296	14.285	(1.002)	45433	5.00000	4.2
	152 1-Chlorohexane	91	14.249	14.250	(1.407)	21435	5.00000	3.8
	68 Ethylbenzene	91	14.319	14.320	(1.004)	77265	5.00000	4.6
	69 1,1,1,2-Tetrachloroethane	131	14.365	14.366	(1.007)	20404	5.00000	4.9
M	70 Xylenes (total)	106				87970	15.0000	14.0
	71 m+p-Xylenes	106	14.505	14.505	(1.017)	56735	10.0000	9.1
	72 o-Xylene	106	15.073	15.062	(1.057)	31235	5.00000	4.8
	73 Styrene	104	15.131	15.132	(1.061)	52030	5.00000	4.7
	74 Bromoform	173	15.166	15.167	(1.063)	16024	5.00000	4.7
	75 Isopropylbenzene	105	15.480	15.480	(0.888)	59234	5.00000	5.2
$	76 P-Bromofluorobenzene	95	15.863	15.863	(1.475)	28723	5.00000	5.2

M1 SLT 011508

Data File: \\Target_server\GG\chem\gcms-z.i\Z011408.b\Z6356.D
Report Date: 15-Jan-2008 08:15

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)
77 cis-1,4-Dichloro-2-Butene	53	15.932	15.933	(0.914)	4591	5.00000	5.2
78 trans-1,4-Dichloro-2-Butene	53	16.362	16.361	(0.939)	5842	5.00000	5.9
79 Bromobenzene	156	16.014	16.014	(0.919)	23509	5.00000	5.7
80 N-Propylbenzene	91	16.048	16.049	(0.921)	82071	5.00000	5.6
81 1,1,2,2-Tetrachloroethane	83	16.118	16.119	(0.925)	20607	5.00000	5.3
82 1,3,5-Trimethylbenzene	105	16.315	16.315	(0.936)	42006	5.00000	4.6
83 2-Chlorotoluene	91	16.269	16.268	(0.933)	49196	5.00000	5.0
84 1,2,3-Trichloropropane	75	16.315	16.315	(0.936)	16242	5.00000	5.8
85 4-Chlorotoluene	91	16.489	16.489	(0.946)	51752	5.00000	5.6
86 tert-Butylbenzene	119	16.768	16.768	(0.962)	41927	5.00000	4.4
87 Pentachloroethane	117	16.780	16.780	(0.963)	11717	5.00000	4.5
88 1,2,4-Trimethylbenzene	105	16.861	16.850	(0.967)	41733	5.00000	4.6
89 P-Isopropyltoluene	119	17.209	17.209	(0.987)	31134	5.00000	3.7
90 1,3-Dichlorobenzene	146	17.325	17.326	(0.994)	32331	5.00000	4.7
* 91 1,4-Dichlorobenzene-D4	152	17.429	17.430	(1.000)	223213	50.0000	
92 1,4-Dichlorobenzene	146	17.453	17.453	(1.001)	32168	5.00000	4.7
93 N-Butylbenzene	91	17.824	17.813	(1.023)	36917	5.00000	5.0
94 sec-Butylbenzene	105	17.012	17.012	(0.976)	56038	5.00000	4.8
95 1,2-Dichlorobenzene	146	18.056	18.057	(1.036)	38132	5.00000	5.8
96 1,2-Dibromo-3-Chloropropane	75	19.228	19.229	(1.103)	2822	5.00000	5.9
97 1,3,5-Trichlorobenzene	180	19.298	19.299	(1.107)	23653	5.00000	5.7
98 Hexachlorobutadiene	225	20.238	20.239	(1.161)	7164	5.00000	4.6
99 1,2,4-Trichlorobenzene	180	20.273	20.273	(1.163)	16541	5.00000	5.4
100 1,2,3-Trimethylbenzene	105	17.476	17.476	(1.003)	49471	5.00000	5.2
101 Naphthalene	128	20.772	20.773	(1.192)	22321	5.00000	5.4
102 1,2,3-Trichlorobenzene	180	21.062	21.063	(1.208)	12432	5.00000	5.4
103 Methyl Acetate	43	6.299	6.300	(0.622)	16497	5.00000	4.9
104 Methylcyclohexane	83	10.710	10.710	(1.057)	27499	5.00000	4.2
M 153 Total Alkylbenzenes	100				331826	5.00000	32.7

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
M - Compound response manually integrated.

Data File: \\Target_server\GG\chem\gcms-z.i\Z011408.b\Z6356.D
Report Date: 15-Jan-2008 08:15

Katahdin Analytical Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcms-z.i
Lab File ID: Z6356.D
Lab Smp Id: VSTD005Z14A
Analysis Type: VOA
Quant Type: ISTD
Operator: SKT
Method File: \\Target_server\GG\chem\gcms-z.i\Z011408.b\Z826a71.m
Misc Info: SW846 8260B

Calibration Date: 14-JAN-2008
Calibration Time: 15:31

Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 4

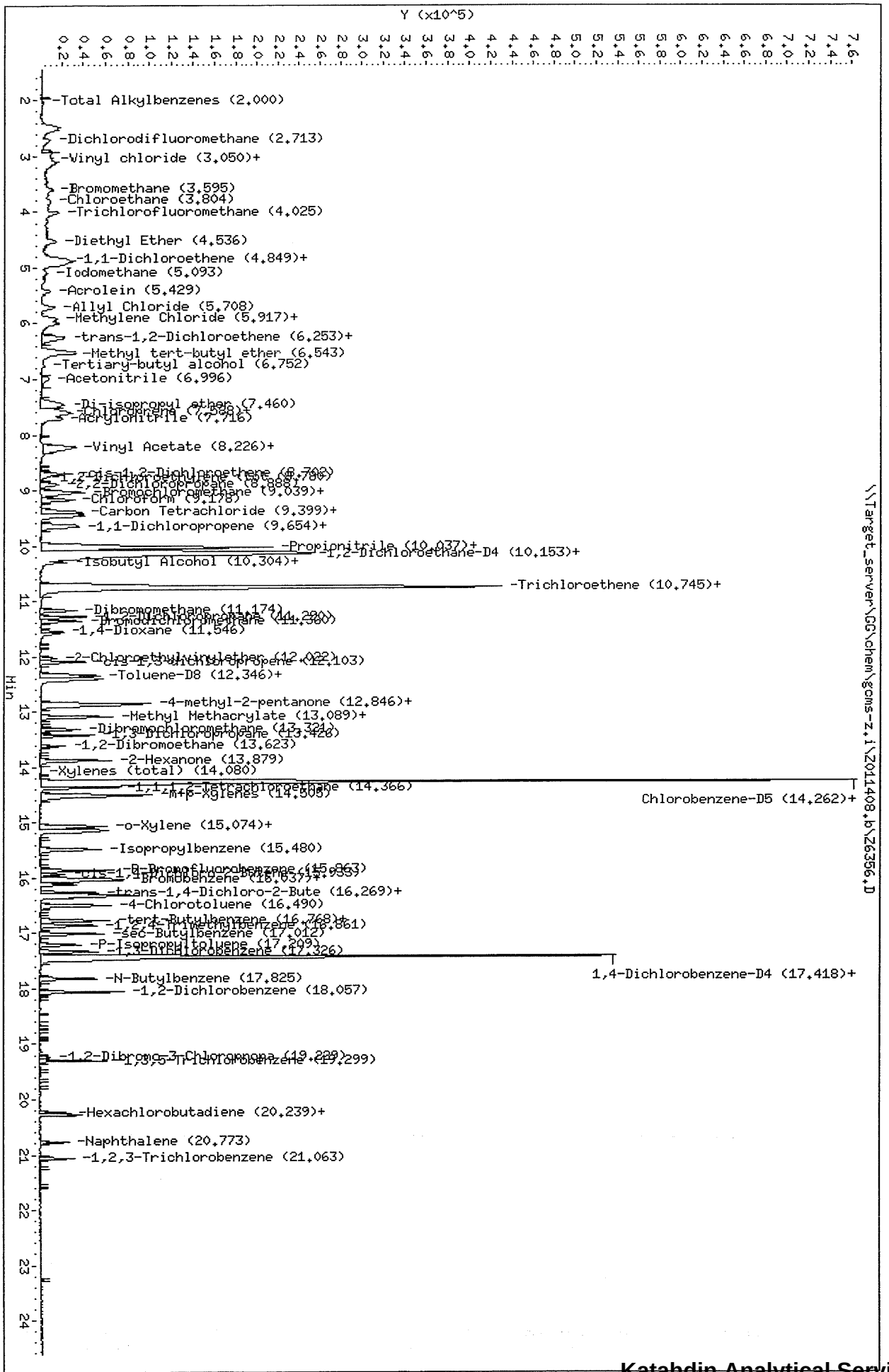
COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	493069	246535	986138	473663	-3.94
49 1,4-Difluorobenze	732175	366088	1464350	662977	-9.45
66 Chlorobenzene-D5	557383	278692	1114766	561272	0.70
91 1,4-Dichlorobenze	283941	141971	567882	223213	-21.39

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	10.14	9.64	10.64	10.13	-0.11
49 1,4-Difluorobenze	10.76	10.26	11.26	10.76	0.00
66 Chlorobenzene-D5	14.27	13.77	14.77	14.26	-0.08
91 1,4-Dichlorobenze	17.43	16.93	17.93	17.43	-0.00

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.

Data File: \\Target_server\GC\chem\gcms-z.i\Z011408.b\Z6356.D
Date : 14-JAN-2008 16:35
Client ID:
Sample Info: VSTD005Z14A
Purge Volume: 5.0
Column phase: RTX-VMS

Instrument: gcms-z.i
Operator: SKT
Column diameter: 0.18



Data File: \\Target_server\GG\chem\gcms-z.i\Z011408.b\Z6357.D
Report Date: 15-Jan-2008 08:16

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gcms-z.i\Z011408.b\Z6357.D
Lab Smp Id: VSTD001Z14A
Inj Date : 14-JAN-2008 17:08
Operator : SKT Inst ID: gcms-z.i
Smp Info : VSTD001Z14A
Misc Info : SW846 8260B
Comment :
Method : \\Target_server\GG\chem\gcms-z.i\Z011408.b\Z826a71.m
Meth Date : 15-Jan-2008 08:15 sthompson Quant Type: ISTD
Cal Date : 14-JAN-2008 17:08 Cal File: Z6357.D
Als bottle: 17 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.12
Processing Host: TARGET03

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	sample purged
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)
1 Dichlorodifluoromethane	85	2.708	2.713	(0.268)	3071	1.00000	0.71(aM) Mq
2 Chloromethane	50	3.056	3.062	(0.302)	8433	1.00000	1.2(M)
3 Vinyl chloride	62	3.126	3.120	(0.309)	5849	1.00000	1.1(M)
4 Bromomethane	94	3.578	3.584	(0.353)	1936	1.00000	0.86(aM) M1
5 Chloroethane	64	3.834	3.816	(0.379)	2942	1.00000	1.2(M)
6 Trichlorofluoromethane	101	4.020	4.037	(0.397)	4298	1.00000	0.92(a)
7 Diethyl Ether	59	4.519	4.536	(0.446)	3635	1.00000	1.1
8 Tertiary-butyl alcohol	59	6.747	6.752	(0.666)	1862	5.00000	9.9(M) Mq
9 1,1-Dichloroethene	96	4.844	4.861	(0.478)	4048	1.00000	1.0
10 Carbon Disulfide	76	4.902	4.895	(0.484)	15043	1.00000	1.2
11 Freon-113	151	4.925	4.953	(0.486)	3655	1.00000	1.1(M) Mq
12 Iodomethane	142	5.087	5.139	(0.503)	3114	1.00000	0.93(aM) M1
13 Acrolein	56	5.424	5.441	(0.536)	3536	5.00000	5.4(a)
14 Methylene Chloride	84	5.911	5.928	(0.584)	5509	1.00000	1.1(aM) Mq
15 Acetone	43	6.016	6.010	(0.594)	6842	5.00000	6.0
16 Isobutyl Alcohol	43	10.310	10.304	(1.018)	3726	20.0000	32.3
17 trans-1,2-Dichloroethene	96	6.248	6.265	(0.617)	4195	1.00000	0.94(a)
18 Allyl Chloride	41	5.714	5.719	(0.564)	4147	1.00000	0.72(a)
19 Methyl tert-butyl ether	73	6.515	6.543	(0.643)	23156	2.00000	2.4
20 Acetonitrile	39	7.002	6.996	(0.692)	2456	10.0000	20.8(aM) M1
21 Di-isopropyl ether	45	7.455	7.449	(0.736)	19272	1.00000	1.1(M)
22 Chloroprene	53	7.571	7.600	(0.748)	6630	1.00000	1.2
23 Propionitrile	54	9.997	10.002	(0.987)	4745	10.0000	11.2

SKI 011508

Data File: \\Target_server\GG\chem\gcms-z.i\Z011408.b\Z6357.D
Report Date: 15-Jan-2008 08:16

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)
	24 Methacrylonitrile	41	10.032	10.037	(0.991)	31088	10.0000	12.2
	25 1,1-Dichloroethane	63	7.629	7.634	(0.754)	7287	1.00000	1.0
	26 Acrylonitrile	52	7.699	7.716	(0.760)	5351	5.00000	4.8(a)
	27 Ethyl tertiary-butyl ether	59	8.233	8.238	(0.813)	13269	1.00000	1.0
	28 Vinyl Acetate	43	8.221	8.226	(0.765)	9603	1.00000	0.92(aM) ML
	29 cis-1,2-Dichloroethene	96	8.708	8.714	(0.860)	4538	1.00000	0.98(a)
M	30 1,2-Dichloroethylene (total)	96				8733	1.00000	1.9(a)
	31 Methyl Methacrylate	41	13.084	13.089	(1.217)	3758	1.00000	1.0
	32 2,2-Dichloropropane	77	8.883	8.899	(0.877)	4834	1.00000	1.0
	33 Bromochloromethane	128	9.022	9.039	(0.891)	2016	1.00000	0.94(a)
	34 Chloroform	83	9.173	9.178	(0.906)	7406	1.00000	1.1
	35 Carbon Tetrachloride	117	9.370	9.375	(0.872)	4067	1.00000	0.91(a)
	36 Tetrahydrofuran	42	9.405	9.399	(0.929)	6284	5.00000	6.2
$	37 Dibromofluoromethane	113	9.440	9.457	(0.932)	5996	1.00000	1.1
	38 1,1,1-Trichloroethane	97	9.474	9.480	(0.936)	4734	1.00000	0.95(a)
	39 1,1-Dichloropropene	75	9.660	9.654	(0.899)	5974	1.00000	1.0
	40 2-Butanone	43	9.625	9.631	(0.951)	10683	5.00000	6.1
	41 Benzene	78	9.997	9.990	(0.930)	17729	1.00000	1.1
*	42 Pentafluorobenzene	168	10.124	10.141	(1.000)	463141	50.0000	
	43 Cyclohexane	56	9.045	9.062	(0.893)	4466	1.00000	0.84(aM) M1
	44 Ethyl Methacrylate	69	13.084	13.089	(1.217)	4355	1.00000	0.93(a)
$	45 1,2-Dichloroethane-D4	65	10.148	10.153	(1.002)	5422	1.00000	1.2
	46 Tertiary-amyl methyl ether	73	10.171	10.176	(1.005)	11397	1.00000	1.0
	47 1,2-Dichloroethane	62	10.240	10.246	(0.953)	4687	1.00000	0.91(a)
	48 Trichloroethene	95	10.728	10.710	(0.998)	5407	1.00000	1.1(M) ML
*	49 1,4-Difluorobenzene	114	10.751	10.756	(1.000)	701650	50.0000	
	50 Dibromomethane	93	11.169	11.174	(1.039)	2992	1.00000	1.0
	51 1,2-Dichloropropane	63	11.285	11.279	(1.050)	4693	1.00000	0.99(aM) ML
	52 Bromodichloromethane	83	11.366	11.360	(1.057)	5935	1.00000	1.0
	53 cis-1,3-dichloropropene	75	12.097	12.103	(1.125)	6874	1.00000	0.99(a)
	54 1,4-Dioxane	88	11.587	11.581	(1.078)	2853	20.0000	44.9
$	55 Toluene-D8	98	12.330	12.335	(1.147)	19467	1.00000	1.3
	56 2-Chloroethylvinylether	63	12.028	12.022	(1.119)	1702	1.00000	1.2
	57 Toluene	92	12.399	12.405	(1.153)	8915	1.00000	0.93(a)
	58 4-methyl-2-pentanone	43	12.852	12.846	(1.195)	21287	5.00000	5.5
	59 Tetrachloroethene	164	12.875	12.880	(0.902)	5315	1.00000	1.2
	60 trans-1,3-Dichloropropene	75	12.887	12.892	(1.199)	5435	1.00000	1.0
	61 1,1,2-Trichloroethane	83	13.096	13.089	(1.218)	3315	1.00000	1.0
	62 Dibromochloromethane	129	13.316	13.321	(0.933)	4732	1.00000	0.87(a)
	63 1,3-Dichloropropane	76	13.432	13.437	(0.941)	6205	1.00000	0.90(a)
	64 1,2-Dibromoethane	107	13.618	13.623	(1.267)	4607	1.00000	1.0(M) ML
	65 2-Hexanone	43	13.873	13.879	(0.972)	14996	5.00000	5.2
*	66 Chlorobenzene-D5	117	14.268	14.273	(1.000)	617676	50.0000	
	67 Chlorobenzene	112	14.291	14.285	(1.002)	12427	1.00000	1.0
	152 1-Chlorohexane	91	14.245	14.250	(1.407)	6945	1.00000	1.2
	68 Ethylbenzene	91	14.314	14.320	(1.003)	18749	1.00000	1.0
	69 1,1,1,2-Tetrachloroethane	131	14.361	14.366	(1.007)	3832	1.00000	0.84(aM) M10
M	70 Xylenes (total)	106				18694	5.00000	2.7(a)
	71 m+p-Xylenes	106	14.500	14.505	(1.016)	11404	2.00000	1.7(a)
	72 o-Xylene	106	15.069	15.062	(1.056)	7290	1.00000	1.0
	73 Styrene	104	15.138	15.132	(1.061)	10781	1.00000	0.88(a)
	74 Bromoform	173	15.173	15.167	(1.063)	3444	1.00000	0.92(a)
	75 Isopropylbenzene	105	15.475	15.480	(0.888)	13731	1.00000	0.97(a)
$	76 P-Bromofluorobenzene	95	15.869	15.863	(1.476)	6997	1.00000	1.2

SKT 011508

Data File: \\Target_server\GG\chem\gcms-z.i\Z011408.b\Z6357.D
Report Date: 15-Jan-2008 08:16

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)
	77 cis-1,4-Dichloro-2-Butene	53	15.939	15.933	(0.915)	1098	1.00000	1.00
	78 trans-1,4-Dichloro-2-Butene	53	16.368	16.361	(0.939)	1179	1.00000	0.95(a)
	79 Bromobenzene	156	16.020	16.014	(0.919)	4848	1.00000	0.94(a)
	80 N-Propylbenzene	91	16.043	16.049	(0.921)	17945	1.00000	0.99(a)
	81 1,1,2,2-Tetrachloroethane	83	16.113	16.119	(0.925)	5243	1.00000	1.1
	82 1,3,5-Trimethylbenzene	105	16.310	16.315	(0.936)	13215	1.00000	1.2
	83 2-Chlorotoluene	91	16.264	16.268	(0.933)	13657	1.00000	1.1
	84 1,2,3-Trichloropropane	75	16.310	16.315	(0.936)	3856	1.00000	1.1
	85 4-Chlorotoluene	91	16.496	16.489	(0.947)	13084	1.00000	1.1
	86 tert-Butylbenzene	119	16.763	16.768	(0.962)	11382	1.00000	0.96(a)
	87 Pentachloroethane	117	16.786	16.780	(0.963)	2693	1.00000	0.83(a)
	88 1,2,4-Trimethylbenzene	105	16.856	16.850	(0.967)	11583	1.00000	1.0
	89 P-Isopropyltoluene	119	17.216	17.209	(0.988)	10267	1.00000	0.97(a)
	90 1,3-Dichlorobenzene	146	17.320	17.326	(0.994)	9638	1.00000	1.1
*	91 1,4-Dichlorobenzene-D4	152	17.425	17.430	(1.000)	277922	50.0000	
	92 1,4-Dichlorobenzene	146	17.448	17.453	(1.001)	9767	1.00000	1.1
	93 N-Butylbenzene	91	17.819	17.813	(1.023)	9259	1.00000	1.00
	94 sec-Butylbenzene	105	17.007	17.012	(0.976)	15477	1.00000	1.1
	95 1,2-Dichlorobenzene	146	18.063	18.057	(1.037)	8189	1.00000	1.0
	96 1,2-Dibromo-3-Chloropropane	75	19.235	19.229	(1.104)	587	1.00000	0.99(a)
	97 1,3,5-Trichlorobenzene	180	19.293	19.299	(1.107)	5668	1.00000	1.1
	98 Hexachlorobutadiene	225	20.245	20.239	(1.162)	2344	1.00000	1.2
	99 1,2,4-Trichlorobenzene	180	20.280	20.273	(1.164)	4008	1.00000	1.0
	100 1,2,3-Trimethylbenzene	105	17.483	17.476	(1.003)	13138	1.00000	1.1
	101 Naphthalene	128	20.779	20.773	(1.192)	6516	1.00000	1.3
	102 1,2,3-Trichlorobenzene	180	21.069	21.063	(1.209)	3116	1.00000	1.1
	103 Methyl Acetate	43	6.283	6.300	(0.621)	3353	1.00000	1.0
	104 Methylcyclohexane	83	10.751	10.710	(1.062)	10681	1.00000	1.7
M	153 Total Alkylbenzenes	100				89128	1.00000	7.2

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
M - Compound response manually integrated.

Data File: \\Target_server\GG\chem\gcms-z.i\Z011408.b\Z6357.D
Report Date: 15-Jan-2008 08:16

Katahdin Analytical Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcms-z.i
Lab File ID: Z6357.D
Lab Smp Id: VSTD001Z14A
Analysis Type: VOA
Quant Type: ISTD
Operator: SKT
Method File: \\Target_server\GG\chem\gcms-z.i\Z011408.b\Z826a71.m
Misc Info: SW846 8260B

Calibration Date: 14-JAN-2008
Calibration Time: 15:31

Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 4

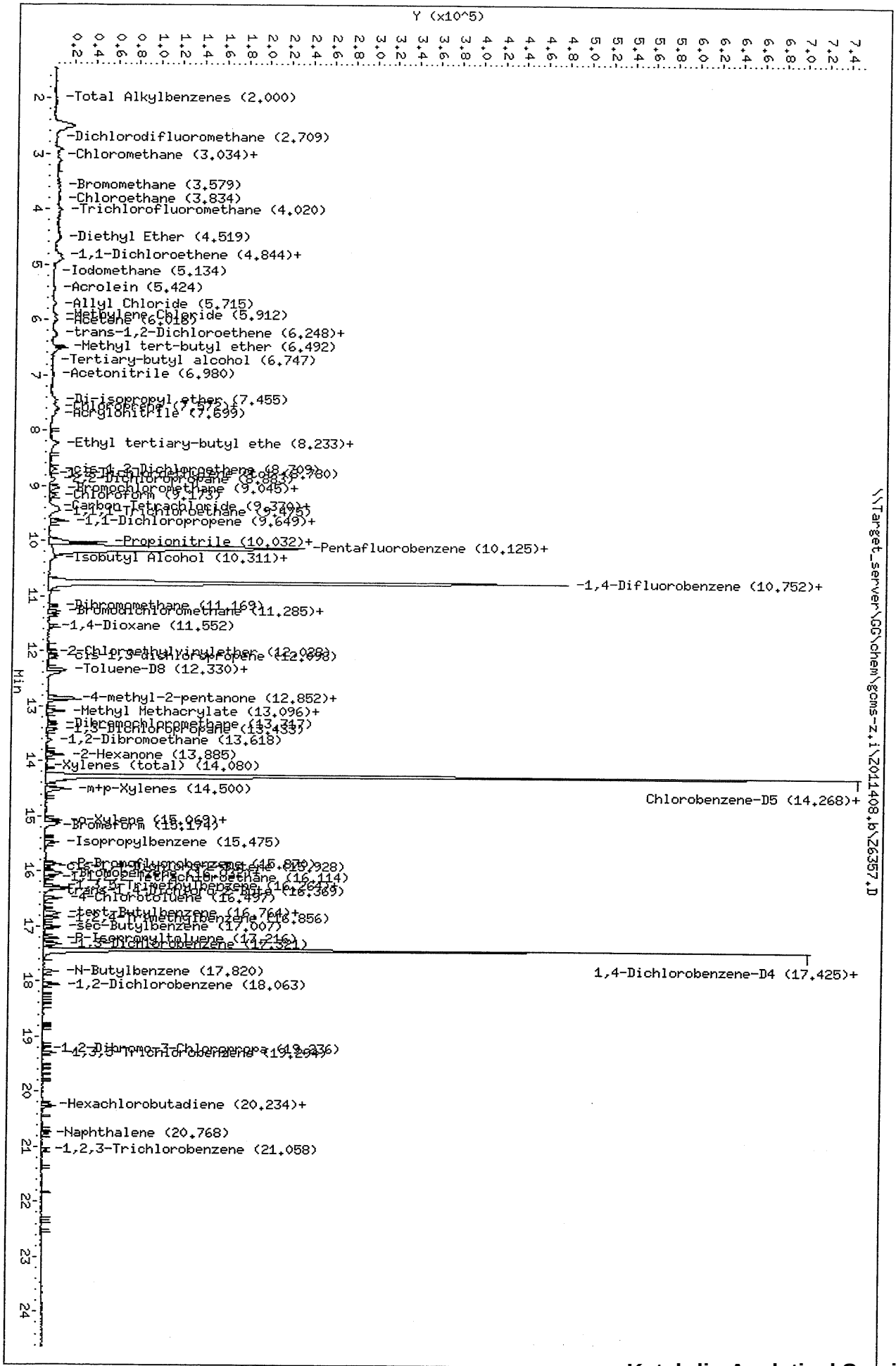
COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	493069	246535	986138	463141	-6.07
49 1,4-Difluorobenze	732175	366088	1464350	701650	-4.17
66 Chlorobenzene-D5	557383	278692	1114766	617676	10.82
91 1,4-Dichlorobenze	283941	141971	567882	277922	-2.12

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	10.14	9.64	10.64	10.12	-0.16
49 1,4-Difluorobenze	10.76	10.26	11.26	10.75	-0.05
66 Chlorobenzene-D5	14.27	13.77	14.77	14.27	-0.03
91 1,4-Dichlorobenze	17.43	16.93	17.93	17.43	-0.03

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.

Data File: \\Target_server\GC\chem\gcms-z.i\Z011408.b\Z6357.D
Date : 14-JAN-2008 17:08
Client ID:
Sample Info: VSTD001Z14A
Purge Volume: 5.0
Column phase: RTX-VMS

Instrument: gcms-z.i
Operator: SKT
Column diameter: 0.18



FORM 7B
VOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 426 NLON SDG No.: CTO426-1

Instrument ID: GCMS-S Calibration Date: 01/17/08 Time: 0835

Lab File ID: S8698 Init. Calib. Date(s): 01/16/08 01/16/08

Init. Calib. Times: 1557 1934

GC Column: RTX-VMS ID: 0.18 (mm)

COMPOUND	RRF OR AMOUNT	RRF50.000 OR AMOUNT	MIN RRF	%D OR %DRIFT	MAX %D OR %DRIFT	CURV TYPE	
Methyl tert-butyl ether	1.2440000	1.2012000	0.01	-3.44		AVRG	
Benzene	1.1120000	1.0535000	0.01	-5.26		AVRG	
Toluene	0.6370000	0.5987100	0.01	-6.01	20.00	AVRG	
Ethylbenzene	1.5320000	1.3843000	0.01	-9.64	20.00	AVRG	
Xylenes (total)	0.0000000	0.4844200	0.01	0.00		AVRG	<-
m+p-Xylenes	0.5480000	0.4876400	0.01	-11.01		AVRG	
o-Xylene	0.5360000	0.4779800	0.01	-10.82		AVRG	
Isopropylbenzene	2.0620000	2.0270000	0.01	-1.70		AVRG	
Naphthalene	1.6540000	1.4433000	0.01	-12.74		AVRG	
Dibromofluoromethane	0.5640000	0.4662000	0.01	-17.34		AVRG	
1,2-Dichloroethane-D4	0.5950000	0.4904700	0.01	-17.57		AVRG	
Toluene-D8	0.9840000	0.8745900	0.01	-11.12		AVRG	
P-Bromofluorobenzene	0.4120000	0.3641600	0.01	-11.61		AVRG	

Data File: \\Target_server\GG\chem\gcms-s.i\S011708.b\S8698.D
Report Date: 30-Jan-2008 09:49

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gcms-s.i\S011708.b\S8698.D
Lab Smp Id: VSTD050S17A
Inj Date : 17-JAN-2008 08:35 MS Autotune Date: 21-NOV-2007 15:16
Operator : SKT Inst ID: gcms-s.i
Smp Info : VSTD050S17A
Misc Info : SW846 8260B
Comment :
Method : \\Target_server\GG\chem\gcms-s.i\S011708.b\s826a48.m
Meth Date : 17-Jan-2008 08:54 sthompson Quant Type: ISTD
Cal Date : 16-JAN-2008 19:34 Cal File: S8696.D
Als bottle: 10 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.12
Processing Host: MIS_2

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	sample purged
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)
1 Dichlorodifluoromethane	85	2.118	2.124	(0.232)	300084	50.0000	47.0
2 Chloromethane	50	2.350	2.357	(0.258)	345865	50.0000	45.3
3 Vinyl chloride	62	2.432	2.450	(0.267)	287633	50.0000	47.0
4 Bromomethane	94	2.827	2.834	(0.310)	204117	50.0000	46.3
5 Chloroethane	64	2.967	2.985	(0.325)	149944	50.0000	54.6
6 Trichlorofluoromethane	101	3.141	3.148	(0.345)	405908	50.0000	47.2
7 Diethyl Ether	59	3.537	3.543	(0.388)	209566	50.0000	48.3
8 Tertiary-butyl alcohol	59	5.363	5.380	(0.588)	86150	250.000	202
9 1,1-Dichloroethene	96	3.793	3.799	(0.416)	207740	50.0000	46.6
10 Carbon Disulfide	76	3.816	3.834	(0.418)	655252	50.0000	47.3
11 Freon-113	151	3.851	3.869	(0.422)	194337	50.0000	50.9
12 Iodomethane	142	3.979	3.997	(0.436)	313281	50.0000	41.6
13 Acrolein	56	4.281	4.299	(0.469)	230211	250.000	234
14 Methylene Chloride	84	4.653	4.659	(0.510)	262271	50.0000	47.8
15 Acetone	43	4.758	4.776	(0.522)	532937	250.000	233
16 Isobutyl Alcohol	43	9.421	9.428	(1.033)	155916	1000.00	857
17 trans-1,2-Dichloroethene	96	4.897	4.915	(0.537)	241452	50.0000	48.5
18 Allyl Chloride	41	4.479	4.497	(0.491)	408926	50.0000	44.8
19 Methyl tert-butyl ether	73	5.107	5.125	(0.560)	1510094	100.000	96.6
20 Acetonitrile	39	5.560	5.590	(0.610)	76865	500.000	458(M)
21 Di-isopropyl ether	45	5.839	5.857	(0.640)	986047	50.0000	45.3
22 Chloroprene	53	5.967	5.985	(0.654)	448867	50.0000	47.7
23 Propionitrile	54	8.991	9.009	(0.986)	393573	500.000	489

MI JW 013008

Data File: \\Target_server\GG\chem\gcms-s.i\S011708.b\S8698.D
Report Date: 30-Jan-2008 09:49

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)
	24 Methacrylonitrile	41	9.014	9.032	(0.989)	2091538	500.000	472
	25 1,1-Dichloroethane	63	6.025	6.032	(0.661)	472692	50.0000	48.3
	26 Acrylonitrile	52	6.165	6.183	(0.676)	504529	250.000	240
	27 Ethyl tertiary-butyl ether	59	6.607	6.625	(0.725)	901209	50.0000	47.9
	28 Vinyl Acetate	43	6.630	6.648	(0.675)	691707	50.0000	49.3
	29 cis-1,2-Dichloroethene	96	7.212	7.241	(0.791)	270392	50.0000	46.2
M	30 1,2-Dichloroethylene (total)	96				511844	50.0000	94.6
	31 Methyl Methacrylate	41	10.712	10.719	(1.090)	289769	50.0000	47.3
	32 2,2-Dichloropropane	77	7.444	7.462	(0.816)	375630	50.0000	43.9
	33 Bromochloromethane	128	7.654	7.672	(0.839)	137104	50.0000	44.8
	34 Chloroform	83	7.875	7.893	(0.864)	484792	50.0000	47.6
	35 Carbon Tetrachloride	117	8.072	8.090	(0.821)	285596	50.0000	45.2
	36 Tetrahydrofuran	42	8.177	8.195	(0.897)	424165	250.000	231
$	37 Dibromofluoromethane	113	8.247	8.265	(0.904)	293033	50.0000	41.3
	38 1,1,1-Trichloroethane	97	8.223	8.241	(0.902)	388366	50.0000	46.3
	39 1,1-Dichloropropene	75	8.468	8.486	(0.862)	352645	50.0000	47.6
	40 2-Butanone	43	8.514	8.532	(0.934)	760082	250.000	241
	41 Benzene	78	8.898	8.904	(0.905)	935169	50.0000	47.4
*	42 Pentafluorobenzene	168	9.119	9.125	(1.000)	628556	50.0000	
	43 Cyclohexane	56	7.595	7.637	(0.833)	310294	50.0000	44.3
	44 Ethyl Methacrylate	69	12.154	12.161	(1.237)	346323	50.0000	49.5
$	45 1,2-Dichloroethane-D4	65	9.119	9.137	(1.000)	308291	50.0000	41.2
	46 Tertiary-amyl methyl ether	73	9.154	9.160	(1.004)	729480	50.0000	46.1
	47 1,2-Dichloroethane	62	9.224	9.242	(0.938)	417487	50.0000	47.9
	48 Trichloroethene	95	9.759	9.777	(0.993)	261577	50.0000	47.6
*	49 1,4-Difluorobenzene	114	9.828	9.846	(1.000)	887687	50.0000	
	50 Dibromomethane	93	10.282	10.288	(1.046)	198379	50.0000	47.5
	51 1,2-Dichloropropane	63	10.398	10.416	(1.058)	255863	50.0000	48.0
	52 Bromodichloromethane	83	10.503	10.509	(1.069)	387912	50.0000	48.3
	53 cis-1,3-dichloropropene	75	11.189	11.195	(1.138)	411293	50.0000	49.1
	54 1,4-Dioxane	88	10.747	10.753	(1.093)	19052	1000.00	288
$	55 Toluene-D8	98	11.387	11.393	(1.159)	776361	50.0000	44.4
	56 2-Chloroethylvinylether	63	11.154	11.160	(1.135)	86215	50.0000	50.2
	57 Toluene	92	11.445	11.451	(1.164)	531465	50.0000	47.0
	58 4-methyl-2-pentanone	43	11.910	11.916	(1.212)	1353798	250.000	225
	59 Tetrachloroethene	164	11.875	11.893	(0.895)	214266	50.0000	41.4
	60 trans-1,3-Dichloropropene	75	11.945	11.951	(1.215)	350492	50.0000	45.0
	61 1,1,2-Trichloroethane	83	12.131	12.149	(1.234)	205405	50.0000	47.9
	62 Dibromochloromethane	129	12.352	12.358	(0.931)	327877	50.0000	47.6
	63 1,3-Dichloropropane	76	12.468	12.475	(0.940)	382620	50.0000	42.9
	64 1,2-Dibromoethane	107	12.631	12.637	(1.285)	283616	50.0000	46.6
	65 2-Hexanone	43	12.945	12.951	(0.975)	1046057	250.000	230
*	66 Chlorobenzene-D5	117	13.271	13.289	(1.000)	767984	50.0000	
	67 Chlorobenzene	112	13.294	13.312	(1.002)	621344	50.0000	46.2
	152 1-Chlorohexane	91	13.282	13.289	(1.457)	300909	50.0000	47.8
	68 Ethylbenzene	91	13.341	13.347	(1.005)	1063156	50.0000	45.2
	69 1,1,1,2-Tetrachloroethane	131	13.387	13.393	(1.009)	259378	50.0000	47.2
M	70 Xylenes (total)	106				1116080	150.000	134
	71 m+p-Xylenes	106	13.527	13.533	(1.019)	749001	100.000	89.0
	72 o-Xylene	106	14.085	14.091	(1.061)	367079	50.0000	44.6
	73 Styrene	104	14.155	14.161	(1.067)	672746	50.0000	47.6
	74 Bromoform	173	14.190	14.196	(1.069)	237323	50.0000	47.8
	75 Isopropylbenzene	105	14.492	14.510	(0.882)	838969	50.0000	49.2
$	76 P-Bromofluorobenzene	95	14.876	14.882	(1.514)	323262	50.0000	44.2

Data File: \\Target_server\GG\chem\gcms-s.i\S011708.b\S8698.D
Report Date: 30-Jan-2008 09:49

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)
77 cis-1,4-Dichloro-2-Butene	53	14.969	14.975	(0.911)	84730	50.0000	43.9
78 trans-1,4-Dichloro-2-Butene	53	15.399	15.405	(0.938)	99756	50.0000	49.4
79 Bromobenzene	156	15.015	15.022	(0.914)	307716	50.0000	47.6
80 N-Propylbenzene	91	15.050	15.068	(0.916)	1053773	50.0000	44.9
81 1,1,2,2-Tetrachloroethane	83	15.166	15.173	(0.924)	315292	50.0000	45.2
82 1,3,5-Trimethylbenzene	105	15.329	15.336	(0.933)	732509	50.0000	50.5
83 2-Chlorotoluene	91	15.260	15.266	(0.929)	720612	50.0000	46.4
84 1,2,3-Trichloropropane	75	15.341	15.347	(0.934)	253263	50.0000	46.9
85 4-Chlorotoluene	91	15.492	15.498	(0.943)	701905	50.0000	44.4
86 tert-Butylbenzene	119	15.760	15.766	(0.960)	733160	50.0000	49.3
87 Pentachloroethane	117	15.794	15.801	(0.962)	194979	50.0000	47.1
88 1,2,4-Trimethylbenzene	105	15.864	15.871	(0.966)	827040	50.0000	50.3
89 P-Isopropyltoluene	119	16.225	16.231	(0.988)	678933	50.0000	51.5
90 1,3-Dichlorobenzene	146	16.318	16.324	(0.994)	498407	50.0000	47.2
* 91 1,4-Dichlorobenzene-D4	152	16.422	16.428	(1.000)	413885	50.0000	
92 1,4-Dichlorobenzene	146	16.446	16.452	(1.001)	489688	50.0000	47.0
93 N-Butylbenzene	91	16.818	16.824	(1.024)	543414	50.0000	49.6
94 sec-Butylbenzene	105	16.015	16.021	(0.975)	832954	50.0000	50.7
95 1,2-Dichlorobenzene	146	17.039	17.045	(1.038)	479341	50.0000	47.6
96 1,2-Dibromo-3-Chloropropane	75	18.225	18.231	(1.110)	65036	50.0000	47.8
97 1,3,5-Trichlorobenzene	180	18.272	18.278	(1.113)	315411	50.0000	45.3
98 Hexachlorobutadiene	225	19.214	19.220	(1.170)	93669	50.0000	44.8
99 1,2,4-Trichlorobenzene	180	19.249	19.255	(1.172)	244813	50.0000	42.3
100 1,2,3-Trimethylbenzene	105	16.481	16.486	(1.004)	807935	50.0000	49.3
101 Naphthalene	128	19.737	19.743	(1.202)	597369	50.0000	43.6
102 1,2,3-Trichlorobenzene	180	20.028	20.034	(1.220)	221220	50.0000	42.1
103 Methyl Acetate	43	4.955	4.985	(0.543)	270972	50.0000	47.0
104 Methylcyclohexane	83	9.724	9.742	(1.066)	332281	50.0000	56.0
M 153 Total Alkylbenzenes	100				5401783	50.0000	347

QC Flag Legend

M - Compound response manually integrated.

Data File: \\Target_server\GG\chem\gcms-s.i\S011708.b\S8698.D
Report Date: 30-Jan-2008 09:49

Katahdin Analytical Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcms-s.i
Lab File ID: S8698.D
Lab Smp Id: VSTD050S17A
Analysis Type: VOA
Quant Type: ISTD
Operator: SKT
Method File: \\Target_server\GG\chem\gcms-s.i\S011708.b\s826a48.m
Misc Info: SW846 8260B

Calibration Date: 17-JAN-2008
Calibration Time: 08:35

Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 4

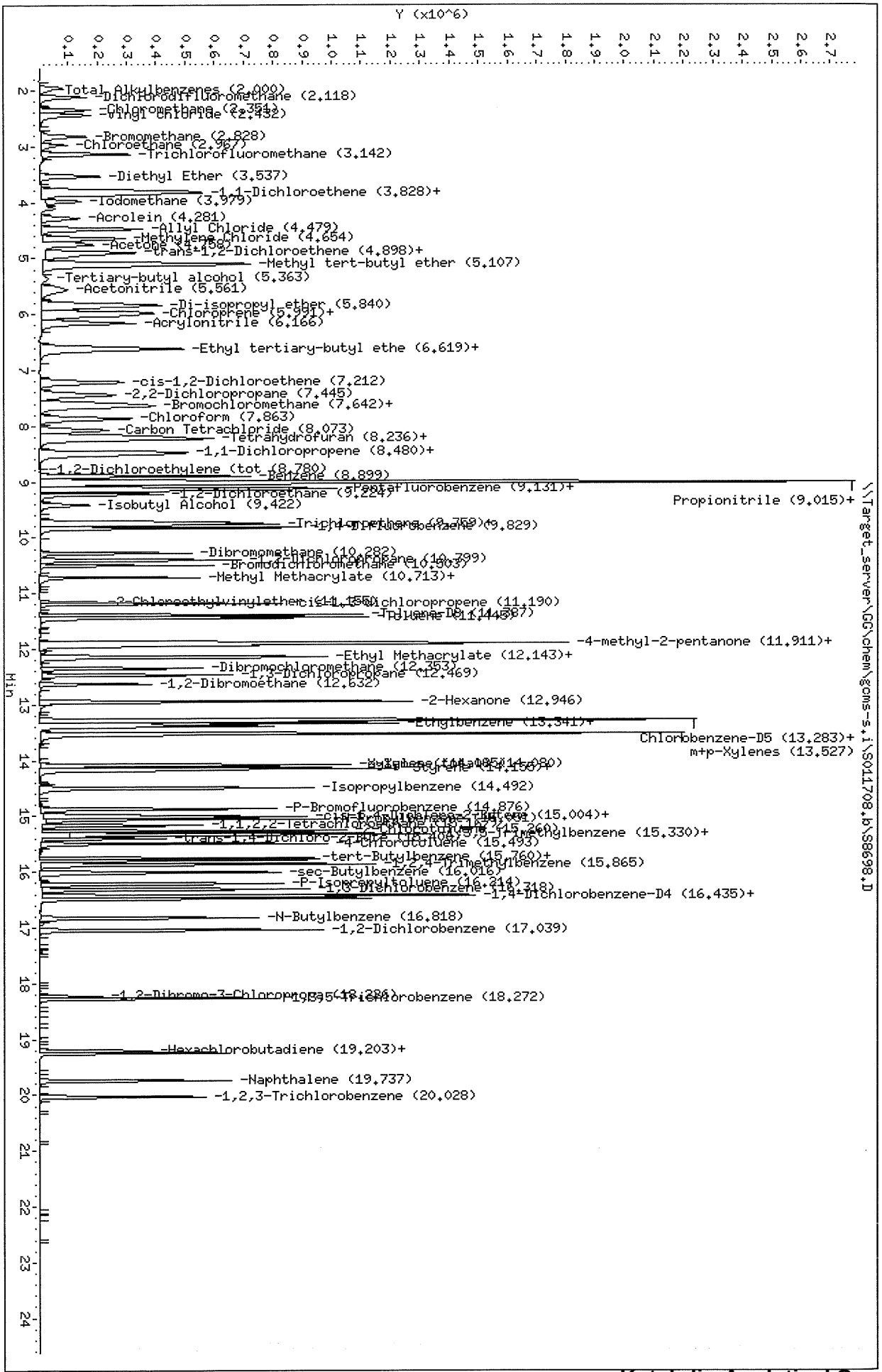
COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	617774	308887	1235548	628556	1.75
49 1,4-Difluorobenze	868971	434486	1737942	887687	2.15
66 Chlorobenzene-D5	687098	343549	1374196	767984	11.77
91 1,4-Dichlorobenze	404394	202197	808788	413885	2.35

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	9.13	8.63	9.63	9.12	-0.06
49 1,4-Difluorobenze	9.85	9.35	10.35	9.83	-0.18
66 Chlorobenzene-D5	13.29	12.79	13.79	13.27	-0.13
91 1,4-Dichlorobenze	16.43	15.93	16.93	16.42	-0.04

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.

Data File: \\Target_server\GC\chem\gcms-s.i\S011708.b\S8698.D
Date : 17-JAN-2008 08:35
Client ID:
Sample Info: VSTD050S17A
Purge Volume: 5.0
Column phase: RTX-VMS

Instrument: gcms-s.i
Operator: SKT
Column diameter: 0.18



FORM 7B
VOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 426 NLON SDG No.: CTO426-1

Instrument ID: GCMS-S Calibration Date: 01/18/08 Time: 0951

Lab File ID: S8733 Init. Calib. Date(s): 01/16/08 01/16/08

Init. Calib. Times: 1557 1934

GC Column: RTX-VMS ID: 0.18 (mm)

COMPOUND	RRF OR AMOUNT	RRF50.000 OR AMOUNT	MIN RRF	%D OR %DRIFT	MAX %D OR %DRIFT	CURV TYPE	
Methyl tert-butyl ether	1.2440000	1.2590000	0.01	1.20		AVRG	
Benzene	1.1120000	1.0338000	0.01	-7.03		AVRG	
Toluene	0.6370000	0.5980700	0.01	-6.11	20.00	AVRG	
Ethylbenzene	1.5320000	1.3325000	0.01	-13.02	20.00	AVRG	
Xylenes (total)	0.0000000	0.4960300	0.01	0.00		AVRG	<-
m+p-Xylenes	0.5480000	0.4942000	0.01	-9.82		AVRG	
o-Xylene	0.5360000	0.4997100	0.01	-6.77		AVRG	
Isopropylbenzene	2.0620000	1.9918000	0.01	-3.40		AVRG	
Naphthalene	1.6540000	1.5490000	0.01	-6.35		AVRG	
Dibromofluoromethane	0.5640000	0.4602400	0.01	-18.40		AVRG	
1,2-Dichloroethane-D4	0.5950000	0.5348800	0.01	-10.10		AVRG	
Toluene-D8	0.9840000	0.9317000	0.01	-5.32		AVRG	
P-Bromofluorobenzene	0.4120000	0.3959000	0.01	-3.91		AVRG	

FORM VII VOA

Data File: \\Target_server\GG\chem\gcms-s.i\S011808B.b\S8733.D
Report Date: 30-Jan-2008 10:17

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gcms-s.i\S011808B.b\S8733.D
Lab Smp Id: VSTD050S18B
Inj Date : 18-JAN-2008 09:51 MS Autotune Date: 21-NOV-2007 15:16
Operator : SKT Inst ID: gcms-s.i
Smp Info : VSTD050S18B
Misc Info : SW846 8260B
Comment :
Method : \\Target_server\GG\chem\gcms-s.i\S011808B.b\s826a48.m
Meth Date : 18-Jan-2008 10:08 jsampson Quant Type: ISTD
Cal Date : 16-JAN-2008 19:34 Cal File: S8696.D
Als bottle: 10 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.12
Processing Host: TARGET06

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	sample purged
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)
1 Dichlorodifluoromethane	85	2.139	2.124	(0.234)	244259	50.0000	42.1
2 Chloromethane	50	2.360	2.357	(0.258)	316492	50.0000	45.3
3 Vinyl chloride	62	2.453	2.450	(0.268)	265113	50.0000	47.3
4 Bromomethane	94	2.848	2.834	(0.311)	185698	50.0000	46.0
5 Chloroethane	64	2.999	2.985	(0.328)	119600	50.0000	47.6
6 Trichlorofluoromethane	101	3.162	3.148	(0.346)	367354	50.0000	46.6
7 Diethyl Ether	59	3.557	3.543	(0.389)	160971	50.0000	40.5
8 Tertiary-butyl alcohol	59	5.430	5.380	(0.593)	102164	250.000	262
9 1,1-Dichloroethene	96	3.813	3.799	(0.417)	166557	50.0000	40.8
10 Carbon Disulfide	76	3.848	3.834	(0.421)	522424	50.0000	41.2
11 Freon-113	151	3.871	3.869	(0.423)	154681	50.0000	44.2
12 Iodomethane	142	4.011	3.997	(0.438)	249252	50.0000	36.4
13 Acrolein	56	4.325	4.299	(0.473)	192979	250.000	215
14 Methylene Chloride	84	4.686	4.659	(0.512)	257697	50.0000	51.4
15 Acetone	43	4.802	4.776	(0.525)	525472	250.000	251
16 Isobutyl Alcohol	43	9.454	9.428	(1.033)	171726	1000.00	1030
17 trans-1,2-Dichloroethene	96	4.930	4.915	(0.539)	223578	50.0000	49.0
18 Allyl Chloride	41	4.511	4.497	(0.493)	410949	50.0000	49.1
19 Methyl tert-butyl ether	73	5.151	5.125	(0.563)	1448968	100.000	101
20 Acetonitrile	39	5.593	5.590	(0.611)	34883	500.000	220
21 Di-isopropyl ether	45	5.883	5.857	(0.643)	917988	50.0000	46.1
22 Chloroprene	53	6.023	5.985	(0.658)	412460	50.0000	47.9
23 Propionitrile	54	9.023	9.009	(0.986)	368836	500.000	500

Data File: \\Target_server\GG\chem\gcms-s.i\S011808B.b\S8733.D
Report Date: 30-Jan-2008 10:17

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)
	24 Methacrylonitrile	41	9.058	9.032	(0.990)	1938895	500.000	478
	25 1,1-Dichloroethane	63	6.069	6.032	(0.663)	427715	50.0000	47.7
	26 Acrylonitrile	52	6.209	6.183	(0.678)	497354	250.000	258
	27 Ethyl tertiary-butyl ether	59	6.663	6.625	(0.728)	829815	50.0000	48.2
	28 Vinyl Acetate	43	6.686	6.648	(0.678)	668875	50.0000	51.5
	29 cis-1,2-Dichloroethene	96	7.267	7.241	(0.794)	236588	50.0000	44.1
M	30 1,2-Dichloroethylene (total)	96				460166	50.0000	93.1
	31 Methyl Methacrylate	41	10.733	10.719	(1.088)	278594	50.0000	49.1
	32 2,2-Dichloropropane	77	7.500	7.462	(0.820)	353634	50.0000	45.1
	33 Bromochloromethane	128	7.709	7.672	(0.842)	124590	50.0000	44.5
	34 Chloroform	83	7.919	7.893	(0.865)	433218	50.0000	46.5
	35 Carbon Tetrachloride	117	8.128	8.090	(0.824)	282355	50.0000	48.2
	36 Tetrahydrofuran	42	8.221	8.195	(0.898)	393448	250.000	234
$	37 Dibromofluoromethane	113	8.279	8.265	(0.905)	264852	50.0000	40.8
	38 1,1,1-Trichloroethane	97	8.268	8.241	(0.903)	344911	50.0000	44.9
	39 1,1-Dichloropropene	75	8.512	8.486	(0.863)	324515	50.0000	47.3
	40 2-Butanone	43	8.558	8.532	(0.935)	730475	250.000	252
	41 Benzene	78	8.930	8.904	(0.906)	849710	50.0000	46.5
*	42 Pentafluorobenzene	168	9.151	9.125	(1.000)	575463	50.0000	
	43 Cyclohexane	56	7.663	7.637	(0.837)	300559	50.0000	46.8
	44 Ethyl Methacrylate	69	12.187	12.161	(1.236)	331910	50.0000	51.2
$	45 1,2-Dichloroethane-D4	65	9.163	9.137	(1.001)	307804	50.0000	45.0
	46 Tertiary-amyl methyl ether	73	9.186	9.160	(1.004)	704888	50.0000	48.6
	47 1,2-Dichloroethane	62	9.256	9.242	(0.939)	388629	50.0000	48.2
	48 Trichloroethene	95	9.791	9.777	(0.993)	237126	50.0000	46.6
*	49 1,4-Difluorobenzene	114	9.861	9.846	(1.000)	821948	50.0000	
	50 Dibromomethane	93	10.314	10.288	(1.046)	180188	50.0000	46.6
	51 1,2-Dichloropropane	63	10.431	10.416	(1.058)	230546	50.0000	46.7
	52 Bromodichloromethane	83	10.524	10.509	(1.067)	357418	50.0000	48.1
	53 cis-1,3-dichloropropene	75	11.210	11.195	(1.137)	396881	50.0000	51.2
	54 1,4-Dioxane	88	10.768	10.753	(1.092)	38686	1000.00	632
$	55 Toluene-D8	98	11.408	11.393	(1.157)	765810	50.0000	47.3
	56 2-Chloroethylvinylether	63	11.175	11.160	(1.133)	78173	50.0000	49.2
	57 Toluene	92	11.466	11.451	(1.163)	491585	50.0000	46.9
	58 4-methyl-2-pentanone	43	11.931	11.916	(1.210)	1449730	250.000	260
	59 Tetrachloroethene	164	11.908	11.893	(0.895)	197351	50.0000	40.8
	60 trans-1,3-Dichloropropene	75	11.966	11.951	(1.213)	343447	50.0000	47.7
	61 1,1,2-Trichloroethane	83	12.164	12.149	(1.234)	189696	50.0000	47.8
	62 Dibromochloromethane	129	12.373	12.358	(0.930)	304720	50.0000	47.3
	63 1,3-Dichloropropane	76	12.489	12.475	(0.939)	388883	50.0000	46.7
	64 1,2-Dibromoethane	107	12.652	12.637	(1.283)	275136	50.0000	48.8
	65 2-Hexanone	43	12.966	12.951	(0.975)	1020765	250.000	240
*	66 Chlorobenzene-D5	117	13.303	13.289	(1.000)	718198	50.0000	
	67 Chlorobenzene	112	13.326	13.312	(1.002)	546373	50.0000	43.5
	152 1-Chlorohexane	91	13.303	13.289	(1.454)	268103	50.0000	46.5
	68 Ethylbenzene	91	13.361	13.347	(1.004)	957001	50.0000	43.5
	69 1,1,1,2-Tetrachloroethane	131	13.408	13.393	(1.008)	233710	50.0000	45.5
M	70 Xylenes (total)	106				1068750	150.000	137
	71 m+p-Xylenes	106	13.559	13.533	(1.019)	709860	100.000	90.2
	72 o-Xylene	106	14.106	14.091	(1.060)	358890	50.0000	46.6
	73 Styrene	104	14.175	14.161	(1.066)	637778	50.0000	48.2
	74 Bromoform	173	14.210	14.196	(1.068)	225490	50.0000	48.6
	75 Isopropylbenzene	105	14.524	14.510	(0.883)	775284	50.0000	48.3
$	76 P-Bromofluorobenzene	95	14.897	14.882	(1.511)	325412	50.0000	48.1

Data File: \\Target_server\GG\chem\gcms-s.i\S011808B.b\S8733.D
Report Date: 30-Jan-2008 10:17

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)
77 cis-1,4-Dichloro-2-Butene	53	14.990	14.975	(0.912)	80541	50.0000	44.3
78 trans-1,4-Dichloro-2-Butene	53	15.420	15.405	(0.938)	91308	50.0000	48.1
79 Bromobenzene	156	15.036	15.022	(0.914)	284714	50.0000	46.9
80 N-Propylbenzene	91	15.083	15.068	(0.917)	1041870	50.0000	47.2
81 1,1,2,2-Tetrachloroethane	83	15.187	15.173	(0.924)	310819	50.0000	47.4
82 1,3,5-Trimethylbenzene	105	15.350	15.336	(0.934)	683735	50.0000	50.2
83 2-Chlorotoluene	91	15.292	15.266	(0.930)	662579	50.0000	45.4
84 1,2,3-Trichloropropane	75	15.362	15.347	(0.934)	248892	50.0000	49.0
85 4-Chlorotoluene	91	15.513	15.498	(0.943)	647731	50.0000	43.6
86 tert-Butylbenzene	119	15.792	15.766	(0.960)	626878	50.0000	44.8
87 Pentachloroethane	117	15.815	15.801	(0.962)	173312	50.0000	44.6
88 1,2,4-Trimethylbenzene	105	15.885	15.871	(0.966)	672038	50.0000	43.5
89 P-Isopropyltoluene	119	16.246	16.231	(0.988)	589667	50.0000	47.6
90 1,3-Dichlorobenzene	146	16.339	16.324	(0.994)	443764	50.0000	44.7
* 91 1,4-Dichlorobenzene-D4	152	16.443	16.428	(1.000)	389229	50.0000	
92 1,4-Dichlorobenzene	146	16.467	16.452	(1.001)	447288	50.0000	45.7
93 N-Butylbenzene	91	16.839	16.824	(1.024)	461401	50.0000	44.8
94 sec-Butylbenzene	105	16.036	16.021	(0.975)	763786	50.0000	49.4
95 1,2-Dichlorobenzene	146	17.060	17.045	(1.037)	436990	50.0000	46.1
96 1,2-Dibromo-3-Chloropropane	75	18.246	18.231	(1.110)	60994	50.0000	47.7
97 1,3,5-Trichlorobenzene	180	18.292	18.278	(1.112)	293365	50.0000	44.8
98 Hexachlorobutadiene	225	19.234	19.220	(1.170)	76790	50.0000	39.0
99 1,2,4-Trichlorobenzene	180	19.269	19.255	(1.172)	231447	50.0000	42.5
100 1,2,3-Trimethylbenzene	105	16.501	16.486	(1.004)	716598	50.0000	46.5
101 Naphthalene	128	19.758	19.743	(1.202)	602926	50.0000	46.8
102 1,2,3-Trichlorobenzene	180	20.049	20.034	(1.219)	223348	50.0000	45.2
103 Methyl Acetate	43	5.011	4.985	(0.548)	259547	50.0000	49.2
104 Methylcyclohexane	83	9.756	9.742	(1.066)	263337	50.0000	48.5
M 153 Total Alkylbenzenes	100				4839375	50.0000	327

Data File: \\Target_server\GG\chem\gcms-s.i\S011808B.b\S8733.D
Report Date: 30-Jan-2008 10:17

Katahdin Analytical Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcms-s.i
Lab File ID: S8733.D
Lab Smp Id: VSTD050S18B
Analysis Type: VOA
Quant Type: ISTD
Operator: SKT
Method File: \\Target_server\GG\chem\gcms-s.i\S011808B.b\s826a48.m
Misc Info: SW846 8260B

Calibration Date: 18-JAN-2008
Calibration Time: 09:51

Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 4

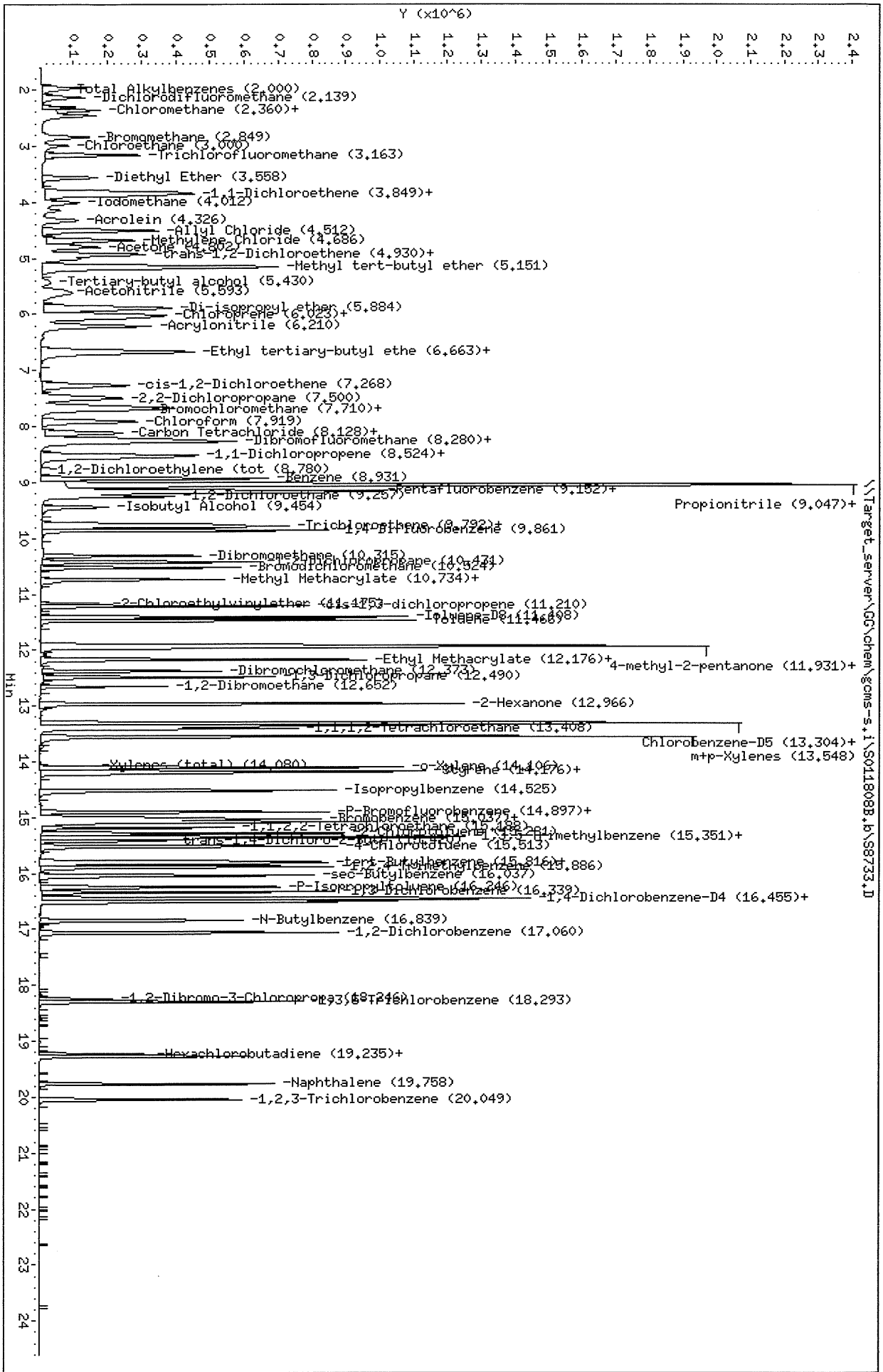
COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	617774	308887	1235548	575463	-6.85
49 1,4-Difluorobenze	868971	434486	1737942	821948	-5.41
66 Chlorobenzene-D5	687098	343549	1374196	718198	4.53
91 1,4-Dichlorobenze	404394	202197	808788	389229	-3.75

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	9.13	8.63	9.63	9.15	0.29
49 1,4-Difluorobenze	9.85	9.35	10.35	9.86	0.15
66 Chlorobenzene-D5	13.29	12.79	13.79	13.30	0.11
91 1,4-Dichlorobenze	16.43	15.93	16.93	16.44	0.09

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.

Data File: \\Target_server\GC\chem\gcms-s.i\S011808B.b\S8733.D
Date : 18-JAN-2008 09:51
Client ID:
Sample Info: VSTD050S18B
Purge Volume: 5.0
Column phase: RTX-VMS

Instrument: gcms-s.i
Operator: SKT
Column diameter: 0.18



FORM 7B
VOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 426 NLON SDG No.: CTO426-1

Instrument ID: GCMS-Z Calibration Date: 01/16/08 Time: 1052

Lab File ID: Z6393 Init. Calib. Date(s): 01/14/08 01/14/08

Init. Calib. Times: 1427 1708

GC Column: RTX-VMS ID: 0.18 (mm)

COMPOUND	RRF OR AMOUNT	RRF50.000 OR AMOUNT	MIN RRF	%D OR %DRIFT	MAX %D OR %DRIFT	CURV TYPE	
Methyl tert-butyl ether	1.0570000	1.1562000	0.01	9.38		AVRG	
Benzene	1.1800000	1.4450000	0.01	22.46		AVRG	
Toluene	0.6810000	0.7524800	0.01	10.50	20.00	AVRG	
Ethylbenzene	1.5050000	1.6402000	0.01	8.98	20.00	AVRG	
Xylenes (total)	0.0000000	0.6153800	0.01	0.00		AVRG	<-
m+p-Xylenes	0.5530000	0.6269200	0.01	13.37		AVRG	
o-Xylene	0.5770000	0.5922900	0.01	2.65		AVRG	
Isopropylbenzene	2.5470000	2.5443000	0.01	-0.11		AVRG	
Naphthalene	0.9480000	0.8244900	0.01	-13.03		AVRG	
Dibromofluoromethane	0.5650000	0.5024300	0.01	-11.07		AVRG	
1,2-Dichloroethane-D4	0.4680000	0.3730000	0.01	-20.30		AVRG	
Toluene-D8	0.9700000	0.8560600	0.01	-11.75		AVRG	
P-Bromofluorobenzene	0.4180000	0.3377800	0.01	-19.19		AVRG	

Data File: \\Target_server\GG\chem\gcms-z.i\Z011608B.b\Z6393.D
Report Date: 30-Jan-2008 10:22

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gcms-z.i\Z011608B.b\Z6393.D
Lab Smp Id: VSTD050Z16B
Inj Date : 16-JAN-2008 10:52 MS Autotune Date: 09-OCT-2007 12:05
Operator : SKT Inst ID: gcms-z.i
Smp Info : VSTD050Z16B
Misc Info : SW846 8260B
Comment :
Method : \\TARGET_SERVER\GG\chem\gcms-z.i\Z011608B.b\Z826a71.m
Meth Date : 24-Jan-2008 10:18 jprescott Quant Type: ISTD
Cal Date : 14-JAN-2008 17:08 Cal File: Z6357.D
Als bottle: 10 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.12
Processing Host: T_INST

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	sample purged
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)
1 Dichlorodifluoromethane	85	2.724	2.713	(0.269)	251545	50.0000	50.8
2 Chloromethane	50	3.072	3.062	(0.304)	372223	50.0000	49.8(M)
3 Vinyl chloride	62	3.119	3.120	(0.308)	320185	50.0000	56.6
4 Bromomethane	94	3.595	3.584	(0.355)	163900	50.0000	70.8
5 Chloroethane	64	3.792	3.816	(0.375)	131938	50.0000	55.1(M)
6 Trichlorofluoromethane	101	4.024	4.037	(0.398)	296155	50.0000	61.8
7 Diethyl Ether	59	4.523	4.536	(0.447)	164451	50.0000	47.4
8 Tertiary-butyl alcohol	59	6.717	6.752	(0.664)	49731	250.000	414
9 1,1-Dichloroethene	96	4.848	4.861	(0.479)	221957	50.0000	55.0
10 Carbon Disulfide	76	4.894	4.895	(0.484)	721896	50.0000	54.0
11 Freon-113	151	4.941	4.953	(0.488)	187431	50.0000	53.2
12 Iodomethane	142	5.103	5.139	(0.504)	248030	50.0000	72.4(M)
13 Acrolein	56	5.428	5.441	(0.537)	179240	250.000	269
14 Methylene Chloride	84	5.904	5.928	(0.584)	262150	50.0000	51.2(M)
15 Acetone	43	5.997	6.010	(0.593)	321950	250.000	274
16 Isobutyl Alcohol	43	10.291	10.304	(1.017)	121980	1000.00	1170
17 trans-1,2-Dichloroethene	96	6.241	6.265	(0.617)	234201	50.0000	51.0
18 Allyl Chloride	41	5.707	5.719	(0.564)	372544	50.0000	57.2
19 Methyl tert-butyl ether	73	6.496	6.543	(0.642)	1098362	100.000	109(M)
20 Acetonitrile	39	6.984	6.996	(0.690)	55666	500.000	603
21 Di-isopropyl ether	45	7.448	7.449	(0.736)	910909	50.0000	51.3
22 Chloroprene	53	7.587	7.600	(0.750)	314857	50.0000	54.3(M)
23 Propionitrile	54	9.990	10.002	(0.987)	259952	500.000	598

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Data File: \\Target_server\GG\chem\gcms-z.i\Z011608B.b\Z6393.D
Report Date: 30-Jan-2008 10:22

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)
	24 Methacrylonitrile	41	10.036	10.037	(0.992)	1434238	500.000	553
	25 1,1-Dichloroethane	63	7.610	7.634	(0.752)	427628	50.0000	58.1
	26 Acrylonitrile	52	7.703	7.716	(0.761)	316865	250.000	279
	27 Ethyl tertiary-butyl ether	59	8.214	8.238	(0.812)	616974	50.0000	46.3
	28 Vinyl Acetate	43	8.214	8.226	(0.765)	513334	50.0000	52.3
	29 cis-1,2-Dichloroethene	96	8.701	8.714	(0.860)	273209	50.0000	57.6
M	30 1,2-Dichloroethylene (total)	96				507410	50.0000	108
	31 Methyl Methacrylate	41	13.077	13.089	(1.217)	183575	50.0000	52.5
	32 2,2-Dichloropropane	77	8.887	8.899	(0.878)	265921	50.0000	55.8
	33 Bromochloromethane	128	9.026	9.039	(0.892)	132128	50.0000	59.8
	34 Chloroform	83	9.166	9.178	(0.906)	392113	50.0000	56.6
	35 Carbon Tetrachloride	117	9.374	9.375	(0.873)	264263	50.0000	62.9
	36 Tetrahydrofuran	42	9.386	9.399	(0.928)	317211	250.000	306
$	37 Dibromofluoromethane	113	9.432	9.457	(0.932)	238643	50.0000	44.5
	38 1,1,1-Trichloroethane	97	9.467	9.480	(0.936)	284892	50.0000	55.8
	39 1,1-Dichloropropene	75	9.653	9.654	(0.898)	291266	50.0000	54.3
	40 2-Butanone	43	9.607	9.631	(0.950)	495991	250.000	276
	41 Benzene	78	9.978	9.990	(0.929)	955373	50.0000	61.2
*	42 Pentafluorobenzene	168	10.117	10.141	(1.000)	474979	50.0000	
	43 Cyclohexane	56	9.049	9.062	(0.894)	341708	50.0000	57.9
	44 Ethyl Methacrylate	69	13.077	13.089	(1.217)	236990	50.0000	53.6
$	45 1,2-Dichloroethane-D4	65	10.140	10.153	(1.002)	177166	50.0000	39.9
	46 Tertiary-amyl methyl ether	73	10.164	10.176	(1.005)	575163	50.0000	51.1
	47 1,2-Dichloroethane	62	10.233	10.246	(0.952)	283563	50.0000	58.7
	48 Trichloroethene	95	10.709	10.710	(0.997)	232738	50.0000	51.7
*	49 1,4-Difluorobenzene	114	10.744	10.756	(1.000)	661176	50.0000	
	50 Dibromomethane	93	11.162	11.174	(1.039)	154280	50.0000	57.9
	51 1,2-Dichloropropane	63	11.278	11.279	(1.050)	225536	50.0000	50.6
	52 Bromodichloromethane	83	11.347	11.360	(1.056)	331346	50.0000	59.6
	53 cis-1,3-dichloropropene	75	12.090	12.103	(1.125)	384956	50.0000	58.9
	54 1,4-Dioxane	88	11.580	11.581	(1.078)	24680	1000.00	412
$	55 Toluene-D8	98	12.334	12.335	(1.148)	566004	50.0000	44.1
	56 2-Chloroethylvinylether	63	12.021	12.022	(1.119)	68826	50.0000	53.4
	57 Toluene	92	12.380	12.405	(1.152)	497519	50.0000	55.2
	58 4-methyl-2-pentanone	43	12.833	12.846	(1.194)	1050639	250.000	286
	59 Tetrachloroethene	164	12.868	12.880	(0.902)	202663	50.0000	51.6
	60 trans-1,3-Dichloropropene	75	12.891	12.892	(1.200)	266068	50.0000	52.3
	61 1,1,2-Trichloroethane	83	13.077	13.089	(1.217)	174231	50.0000	56.9
	62 Dibromochloromethane	129	13.309	13.321	(0.933)	247206	50.0000	51.3
	63 1,3-Dichloropropane	76	13.425	13.437	(0.941)	331595	50.0000	54.5
	64 1,2-Dibromoethane	107	13.611	13.623	(1.267)	236880	50.0000	56.1
	65 2-Hexanone	43	13.866	13.879	(0.972)	752553	250.000	292
*	66 Chlorobenzene-D5	117	14.261	14.273	(1.000)	548483	50.0000	
	67 Chlorobenzene	112	14.284	14.285	(1.002)	571872	50.0000	53.7
	152 1-Chlorohexane	91	14.237	14.250	(1.407)	287108	50.0000	51.0
	68 Ethylbenzene	91	14.307	14.320	(1.003)	899616	50.0000	54.5
	69 1,1,1,2-Tetrachloroethane	131	14.353	14.366	(1.007)	218470	50.0000	54.1
M	70 Xylenes (total)	106				1012570	150.000	165
	71 m+p-Xylenes	106	14.493	14.505	(1.016)	687711	100.000	113
	72 o-Xylene	106	15.061	15.062	(1.056)	324859	50.0000	51.3
	73 Styrene	104	15.131	15.132	(1.061)	569542	50.0000	52.5
	74 Bromoform	173	15.154	15.167	(1.063)	187778	50.0000	56.5
	75 Isopropylbenzene	105	15.479	15.480	(0.889)	754689	50.0000	49.9
$	76 P-Bromofluorobenzene	95	15.862	15.863	(1.476)	223333	50.0000	40.4

Data File: \\Target_server\GG\chem\gcms-z.i\Z011608B.b\Z6393.D
Report Date: 30-Jan-2008 10:22

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)
77 cis-1,4-Dichloro-2-Butene	53	15.920	15.933	(0.914)	61777	50.0000	52.7
78 trans-1,4-Dichloro-2-Butene	53	16.350	16.361	(0.939)	62559	50.0000	47.3
79 Bromobenzene	156	16.002	16.014	(0.919)	299203	50.0000	54.2
80 N-Propylbenzene	91	16.036	16.049	(0.921)	1014167	50.0000	52.3
81 1,1,2,2-Tetrachloroethane	83	16.106	16.119	(0.925)	273177	50.0000	53.2
82 1,3,5-Trimethylbenzene	105	16.303	16.315	(0.936)	593399	50.0000	49.2
83 2-Chlorotoluene	91	16.257	16.268	(0.933)	644290	50.0000	49.2
84 1,2,3-Trichloropropane	75	16.303	16.315	(0.936)	176437	50.0000	46.6
85 4-Chlorotoluene	91	16.489	16.489	(0.947)	639994	50.0000	51.9
86 tert-Butylbenzene	119	16.744	16.768	(0.961)	636043	50.0000	50.1
87 Pentachloroethane	117	16.768	16.780	(0.963)	161075	50.0000	44.3
88 1,2,4-Trimethylbenzene	105	16.849	16.850	(0.967)	592438	50.0000	49.4
89 P-Isopropyltoluene	119	17.197	17.209	(0.987)	618624	50.0000	43.4
90 1,3-Dichlorobenzene	146	17.313	17.326	(0.994)	484389	50.0000	52.7
* 91 1,4-Dichlorobenzene-D4	152	17.417	17.430	(1.000)	296621	50.0000	
92 1,4-Dichlorobenzene	146	17.441	17.453	(1.001)	467465	50.0000	51.3
93 N-Butylbenzene	91	17.812	17.813	(1.023)	528700	50.0000	53.5
94 sec-Butylbenzene	105	17.000	17.012	(0.976)	898196	50.0000	58.2
95 1,2-Dichlorobenzene	146	18.044	18.057	(1.036)	384821	50.0000	44.4
96 1,2-Dibromo-3-Chloropropane	75	19.228	19.229	(1.104)	32222	50.0000	51.0
97 1,3,5-Trichlorobenzene	180	19.286	19.299	(1.107)	246590	50.0000	44.4
98 Hexachlorobutadiene	225	20.226	20.239	(1.161)	93313	50.0000	44.7
99 1,2,4-Trichlorobenzene	180	20.261	20.273	(1.163)	181676	50.0000	45.0
100 1,2,3-Trimethylbenzene	105	17.476	17.476	(1.003)	575048	50.0000	45.7
101 Naphthalene	128	20.760	20.773	(1.192)	244561	50.0000	43.5
102 1,2,3-Trichlorobenzene	180	21.050	21.063	(1.209)	135619	50.0000	44.4
103 Methyl Acetate	43	6.287	6.300	(0.621)	154587	50.0000	46.0
104 Methylcyclohexane	83	10.709	10.710	(1.059)	272501	50.0000	48.0
M 153 Total Alkylbenzenes	100				4881567	50.0000	356

QC Flag Legend

M - Compound response manually integrated.

Data File: \\Target_server\GG\chem\gcms-z.i\Z011608B.b\Z6393.D
Report Date: 30-Jan-2008 10:22

Katahdin Analytical Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcms-z.i
Lab File ID: Z6393.D
Lab Smp Id: VSTD050Z16B
Analysis Type: VOA
Quant Type: ISTD
Operator: SKT
Method File: \\TARGET_SERVER\GG\chem\gcms-z.i\Z011608B.b\Z826a71.m
Misc Info: SW846 8260B

Calibration Date: 16-JAN-2008
Calibration Time: 10:52

Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 4

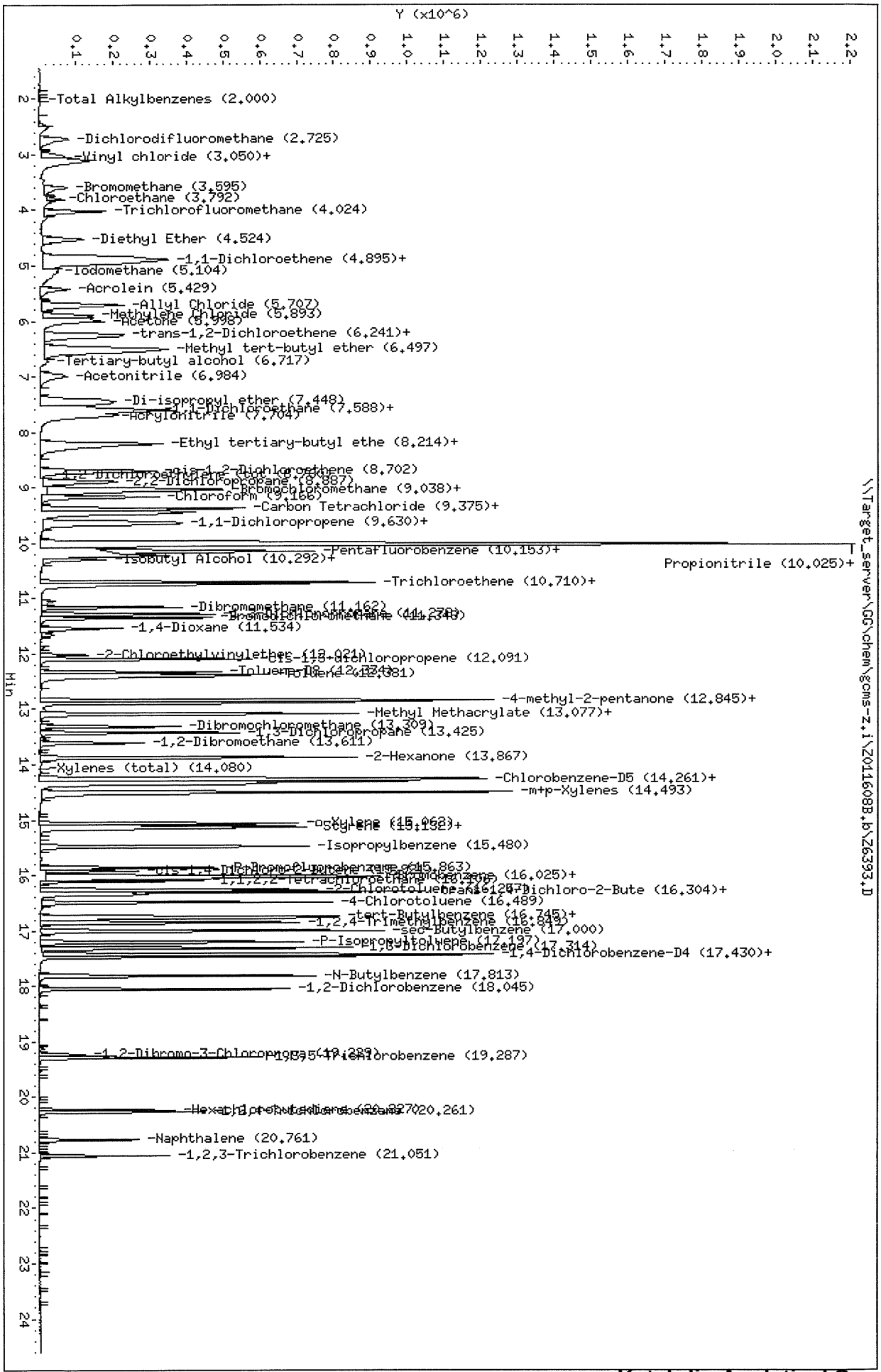
COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	493069	246535	986138	474979	-3.67
49 1,4-Difluorobenze	732175	366088	1464350	661176	-9.70
66 Chlorobenzene-D5	557383	278692	1114766	548483	-1.60
91 1,4-Dichlorobenze	283941	141971	567882	296621	4.47

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	10.14	9.64	10.64	10.12	-0.23
49 1,4-Difluorobenze	10.76	10.26	11.26	10.74	-0.11
66 Chlorobenzene-D5	14.27	13.77	14.77	14.26	-0.08
91 1,4-Dichlorobenze	17.43	16.93	17.93	17.42	-0.07

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.

Data File: \\Target_server\GC\chem\gcms-z.i\Z0116608.b\Z6393.D
Date : 16-JAN-2008 10:52
Client ID:
Sample Info: VSTD050Z16B
Purge Volume: 5.0
Column phase: RTX-VMS

Instrument: gcms-z.i
Operator: SKT
Column diameter: 0.18



Data File: \\Target_server\GC\chem\gcms-f.i\F012108B.b\FB836.D

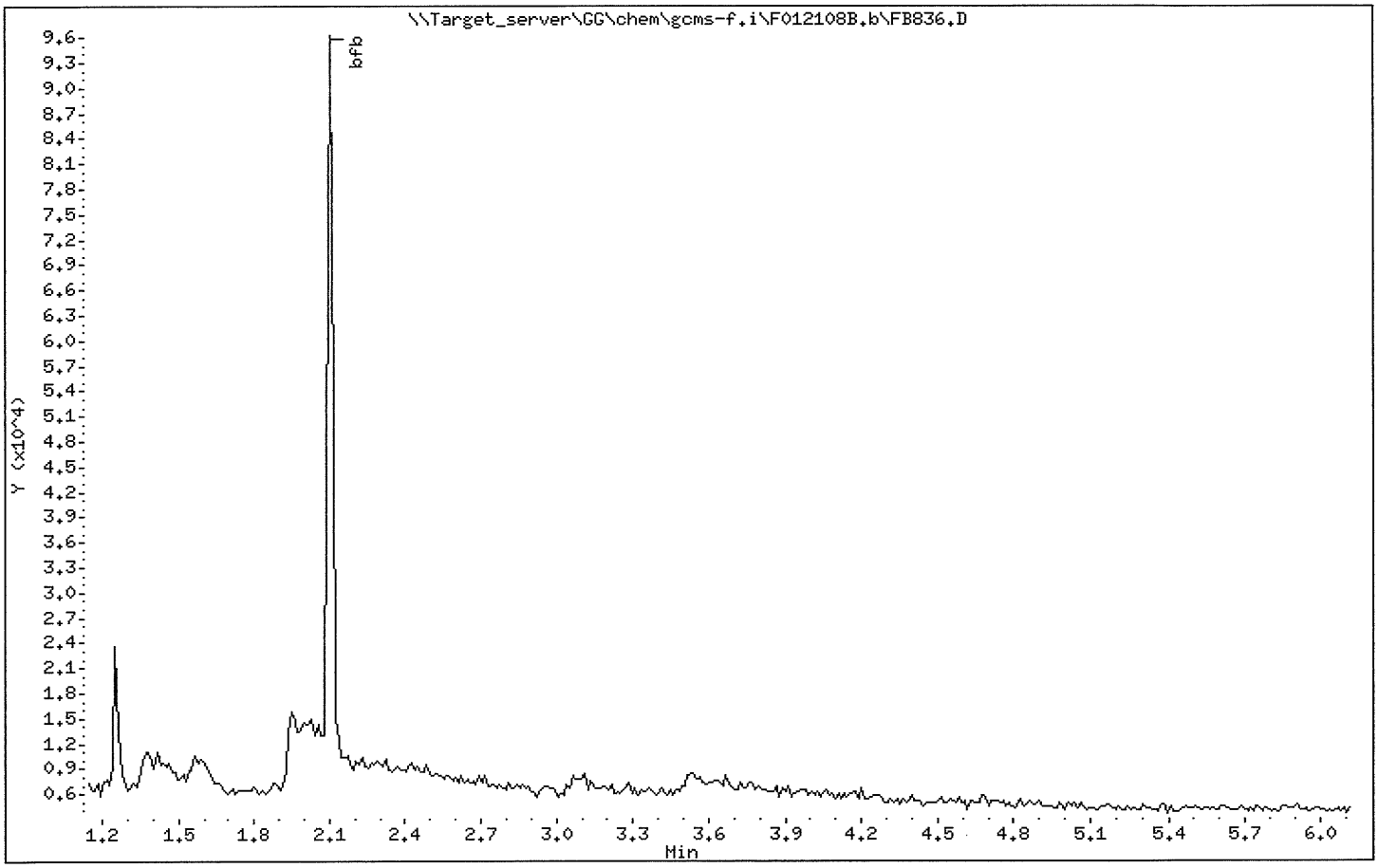
Date : 21-JAN-2008 09:52

Client ID: | Instrument: gcms-f.i

Sample Info: 50NG BFB

Volume Injected (uL): 1.0 | Operator: JSS

Column phase: RTX-VMS | Column diameter: 0.18



Data File: \\Target_server\GC\chem\gcms-f.i\F012108B.b\FB836.D

Date : 21-JAN-2008 09:52

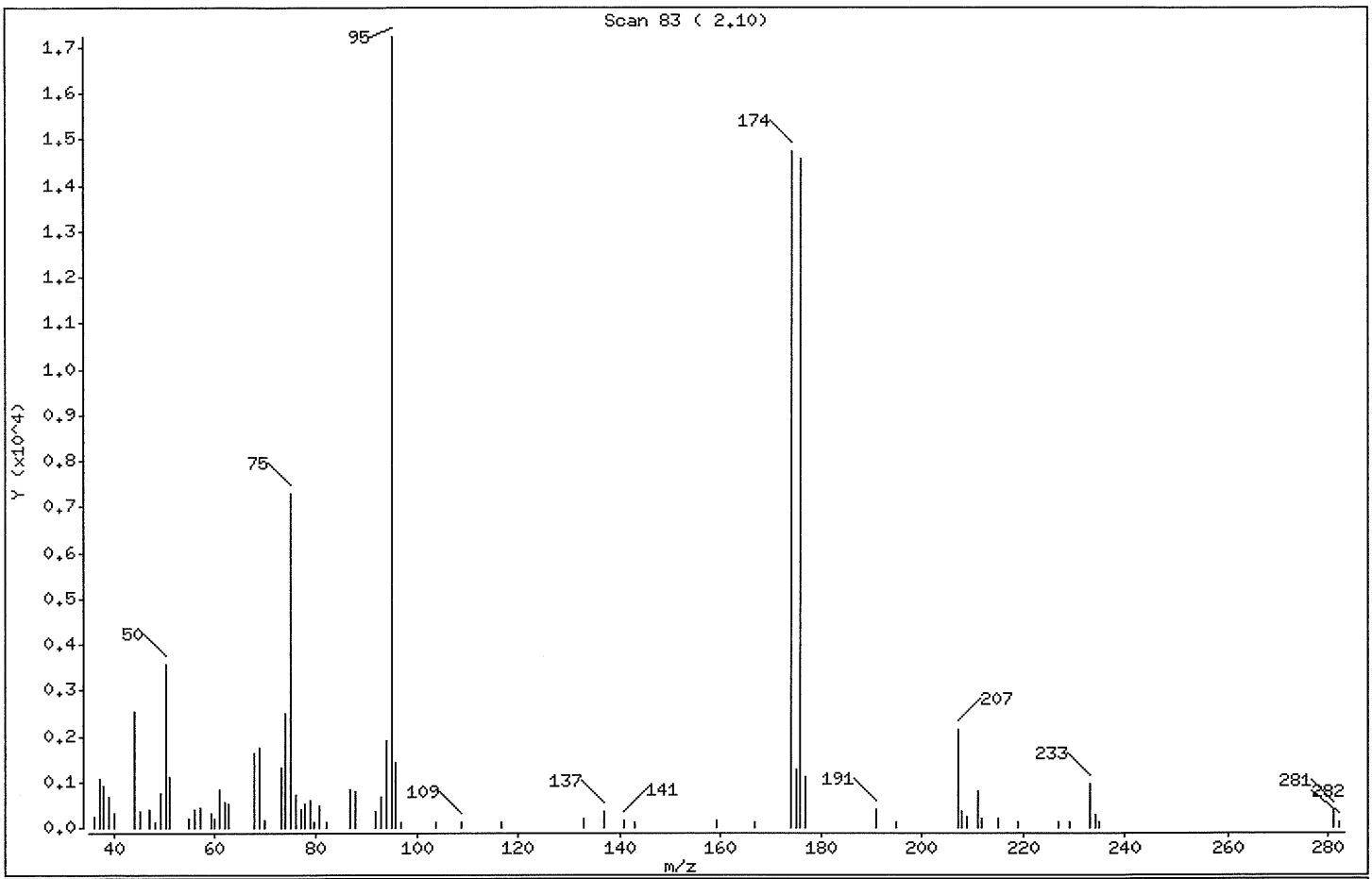
Client ID: | Instrument: gcms-f.i

Sample Info: 50NG BFB

Volume Injected (uL): 1.0 | Operator: JSS

Column phase: RTX-VMS | Column diameter: 0.18

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	20.58
75	30.00 - 60.00% of mass 95	42.36
96	5.00 - 9.00% of mass 95	8.38
173	Less than 2.00% of mass 174	0.00 (0.00)
174	Greater than 50.00% of mass 95	85.42
175	5.00 - 9.00% of mass 174	7.35 (8.61)
176	95.00 - 101.00% of mass 174	84.66 (99.10)
177	5.00 - 9.00% of mass 176	6.52 (7.70)

Data File: \\Target_server\GC\chem\gcms-f.i\F012108B.b\FB836.D

Date : 21-JAN-2008 09:52

Client ID: Instrument: gcms-f.i

Sample Info: 50NG BFB

Volume Injected (uL): 1.0 Operator: JSS

Column phase: RTX-VMS Column diameter: 0.18

Data File: FB836.D
Spectrum: Scan 83 (2.10)
Location of Maximum: 95.00
Number of points: 70

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	222	62.00	564	92.90	686	190.95	406
37.00	1087	62.90	532	94.00	1902	194.85	134
37.90	909	67.90	1613	95.00	17232	207.05	2157
39.00	655	69.00	1758	96.00	1444	207.95	373
39.90	328	70.00	162	96.80	114	208.95	235
44.00	2543	73.00	1305	103.80	111	210.95	797
45.00	363	74.00	2513	108.80	135	211.95	196
47.00	395	75.00	7299	116.80	133	215.05	217
47.90	123	76.00	712	132.90	211	218.95	109
49.00	758	77.00	396	136.90	344	227.05	127
50.00	3546	78.00	510	140.85	143	228.95	125
51.00	1116	78.90	587	142.85	115	232.95	932
54.90	192	79.80	135	159.05	176	233.95	259
56.00	382	80.90	483	166.95	117	234.95	111
57.00	452	82.00	129	173.85	14720	280.90	361
59.00	299	86.90	813	174.95	1267	282.10	101
60.00	197	87.90	801	175.95	14588		
60.90	822	91.90	373	176.85	1123		

Data File: \\Target_server\GG\chem\gcms-s.i\S011608B.b\SB701.D

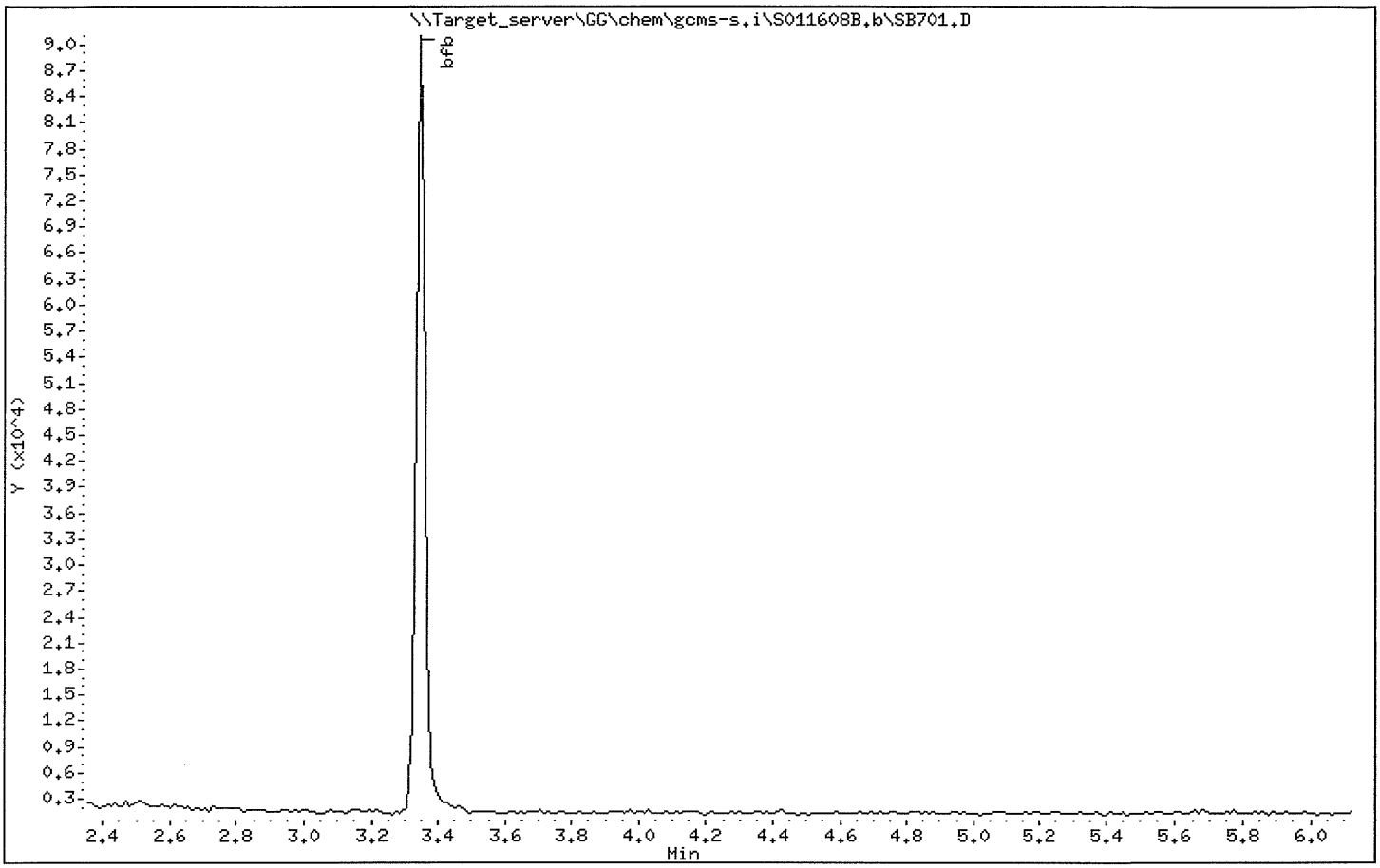
Date : 16-JAN-2008 12:48

Client ID: | Instrument: gcms-s.i

Sample Info: 50 NG BFB

Volume Injected (uL): 1.0 | Operator: SKT

Column phase: RTX-VMS | Column diameter: 0.18



Data File: \\Target_server\GC\chem\gcms-s.i\S011608B.b\SB701.D

Date : 16-JAN-2008 12:48

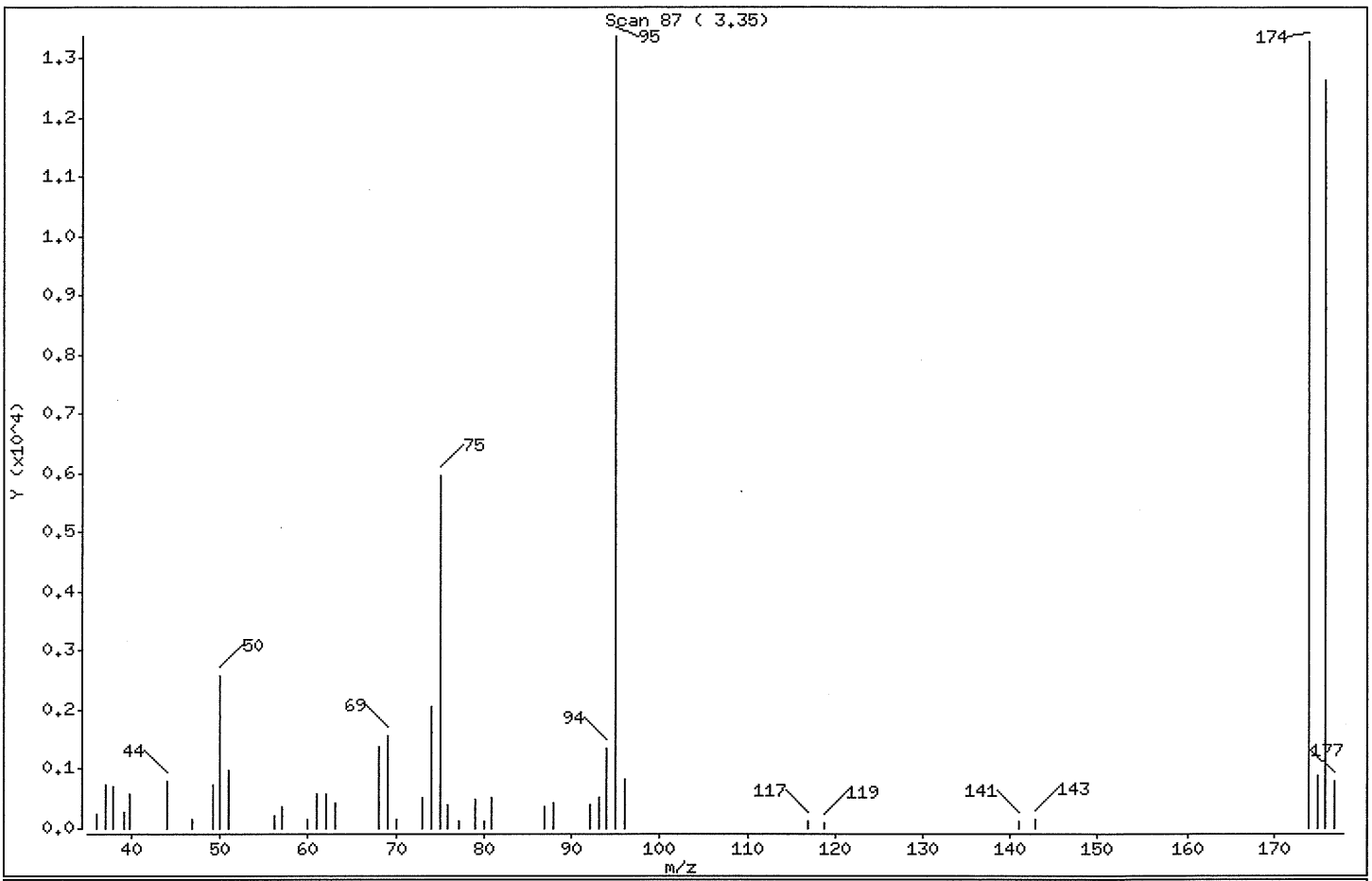
Client ID: | Instrument: gcms-s.i

Sample Info: 50 NG BFB

Volume Injected (uL): 1.0 | Operator: SKT

Column phase: RTX-VMS | Column diameter: 0.18

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	19.35
75	30.00 - 60.00% of mass 95	44.63
96	5.00 - 9.00% of mass 95	6.25
173	Less than 2.00% of mass 174	0.00 (0.00)
174	Greater than 50.00% of mass 95	99.39
175	5.00 - 9.00% of mass 174	6.71 (6.75)
176	95.00 - 101.00% of mass 174	94.49 (95.08)
177	5.00 - 9.00% of mass 176	5.99 (6.33)

Data File: \\Target_server\GG\chem\gcms-s.i\S011608B.b\SB701.D

Date : 16-JAN-2008 12:48

Client ID: | Instrument: gcms-s.i

Sample Info: 50 NG BFB

Volume Injected (uL): 1.0 | Operator: SKT

Column phase: RTX-VMS | Column diameter: 0.18

Data File: SB701.D
Spectrum: Scan 87 (3.35)
Location of Maximum: 95.00
Number of points: 42

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.05	238	57.00	354	75.95	412	96.00	837
37.05	735	59.85	150	77.05	110	116.85	112
38.05	717	61.05	579	79.05	486	118.85	106
39.10	274	62.05	582	80.00	126	141.05	119
39.90	574	62.95	433	80.90	526	142.85	160
44.00	795	68.00	1388	86.95	360	173.95	13300
46.95	149	69.00	1583	87.95	423	174.90	898
49.05	730	70.10	154	92.05	396	175.90	12645
50.05	2589	73.05	526	93.00	524	176.90	801
51.05	974	74.05	2057	94.00	1363		
56.10	225	75.05	5972	95.00	13382		

Data File: \\Target_server\GC\chem\gcms-s.i\S011708.b\SB702.D

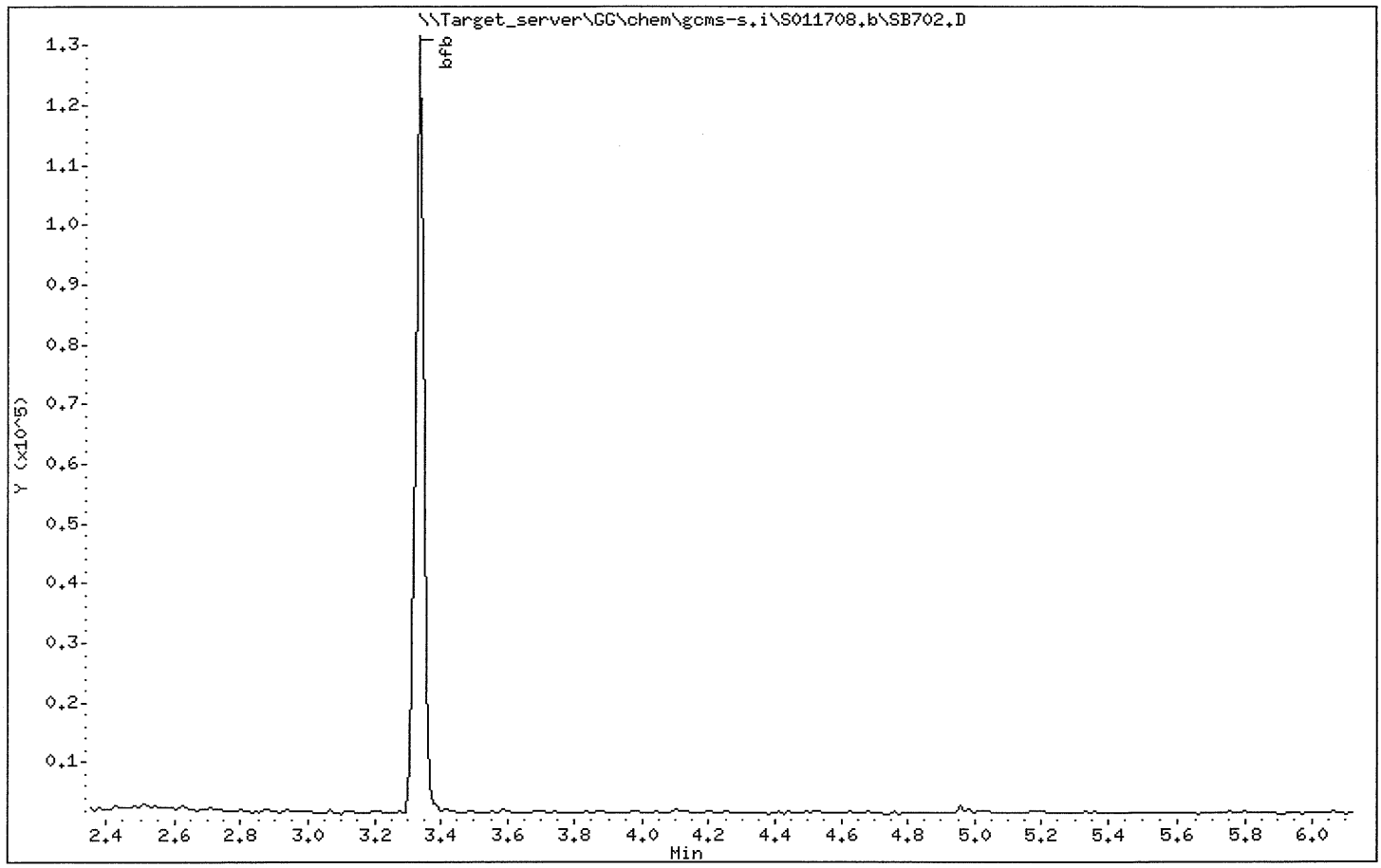
Date : 17-JAN-2008 08:12

Client ID: Instrument: gcms-s.i

Sample Info: 50 NG BFB

Volume Injected (uL): 1.0 Operator: SKT

Column phase: RTX-VMS Column diameter: 0.18



Data File: \\Target_server\GC\chem\gcms-s.i\S011708.b\SB702.D

Date : 17-JAN-2008 08:12

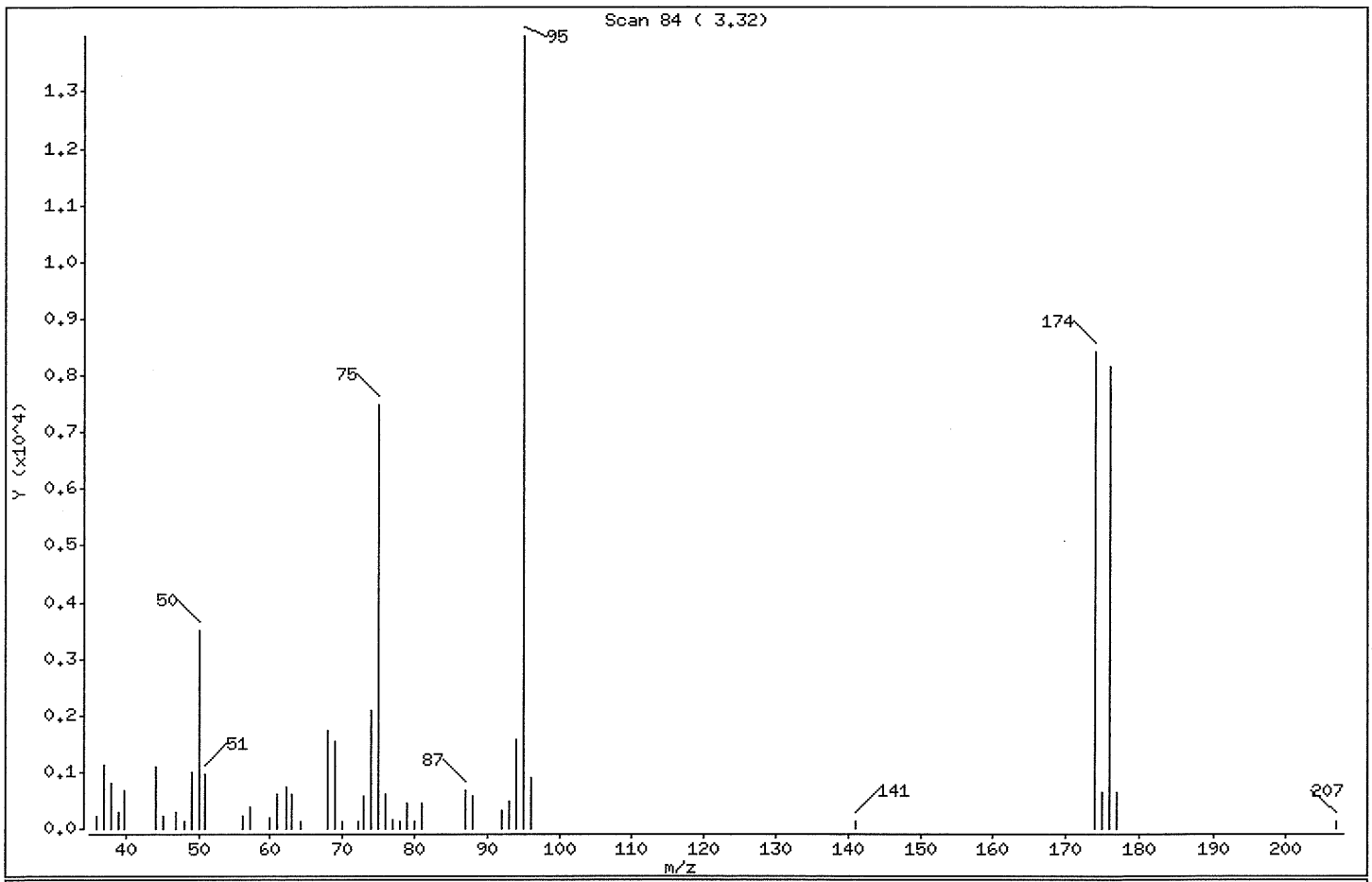
Client ID: | Instrument: gcms-s.i

Sample Info: 50 NG BFB

Volume Injected (uL): 1.0 | Operator: SKT

Column phase: RTX-VMS | Column diameter: 0.18

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	24.97
75	30.00 - 60.00% of mass 95	53.52
96	5.00 - 9.00% of mass 95	6.35
173	Less than 2.00% of mass 174	0.00 (0.00)
174	Greater than 50.00% of mass 95	60.28
175	5.00 - 9.00% of mass 174	4.69 (7.77)
176	95.00 - 101.00% of mass 174	58.49 (97.04)
177	5.00 - 9.00% of mass 176	4.56 (7.80)

Data File: \\Target_server\GC\chem\gcms-s.i\S011708.b\SB702.D

Date : 17-JAN-2008 08:12

Client ID: Instrument: gcms-s.i

Sample Info: 50 NG BFB

Volume Injected (uL): 1.0 Operator: SKT

Column phase: RTX-VMS Column diameter: 0.18

Data File: SB702.D
Spectrum: Scan 84 (3.32)
Location of Maximum: 95.00
Number of points: 45

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.05	237	56.10	234	74.05	2093	94.00	1582
37.05	1119	57.10	372	75.05	7481	95.00	13979
38.05	800	59.95	203	75.95	626	96.00	888
39.10	294	60.95	617	76.95	164	140.95	113
39.90	669	62.05	732	77.95	128	173.95	8426
44.00	1079	63.05	601	78.95	445	174.90	655
45.00	215	64.15	120	80.00	133	175.90	8177
46.95	293	68.00	1720	80.90	434	176.90	638
48.15	126	69.00	1557	86.95	687	207.10	138
49.05	1008	70.00	141	88.05	573		
50.05	3491	72.10	123	91.95	317		
50.95	977	72.95	563	93.00	477		

Data File: \\Target_server\GC\chem\gcms-s.i\S011808B.b\SB704.D

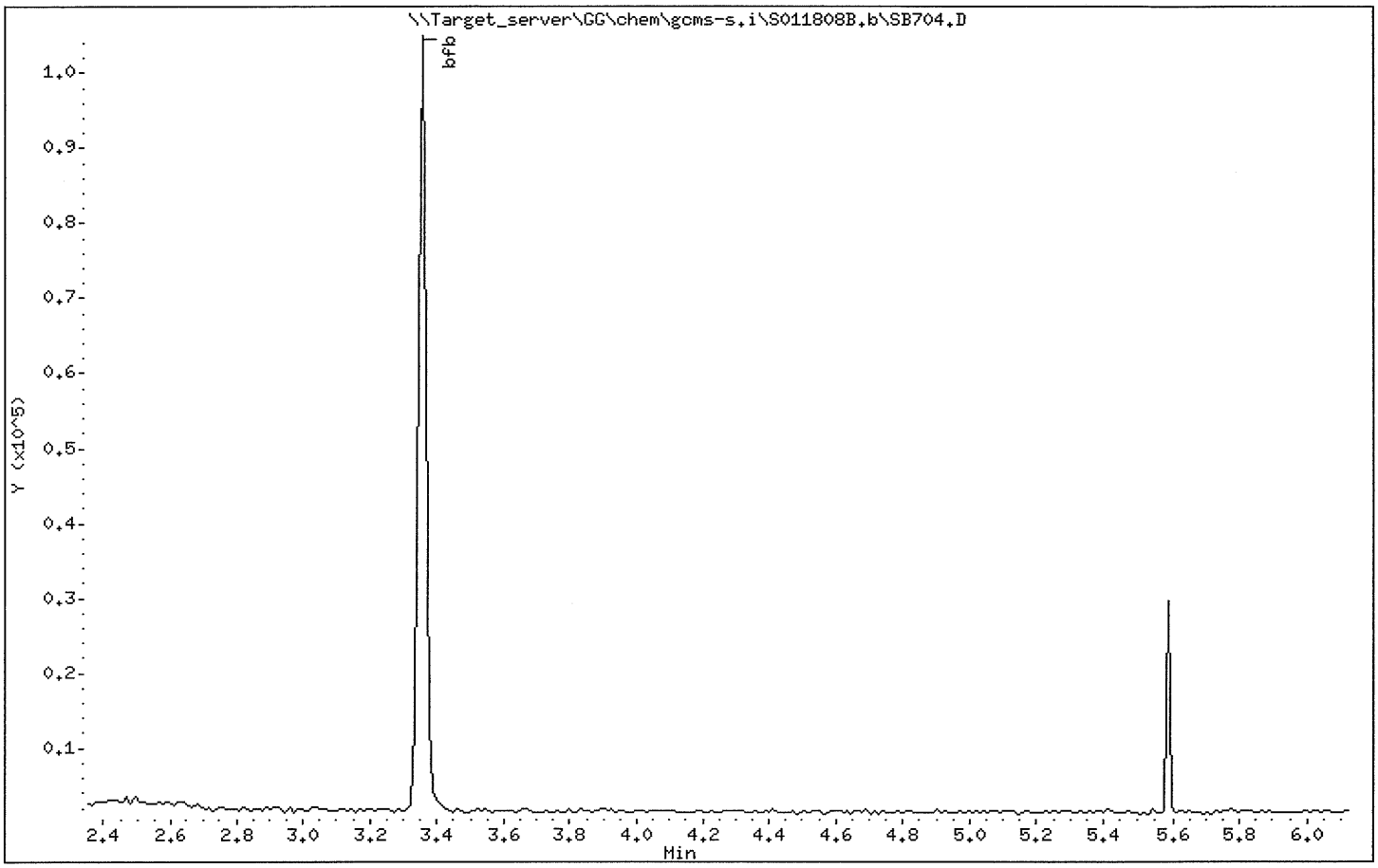
Date : 18-JAN-2008 09:29

Client ID: | Instrument: gcms-s.i

Sample Info: 50 NG BFB

Volume Injected (uL): 1.0 | Operator: SKT

Column phase: RTX-VMS | Column diameter: 0.18



Data File: \\Target_server\GC\chem\gcms-s.i\S011808B.b\SB704.D

Date : 18-JAN-2008 09:29

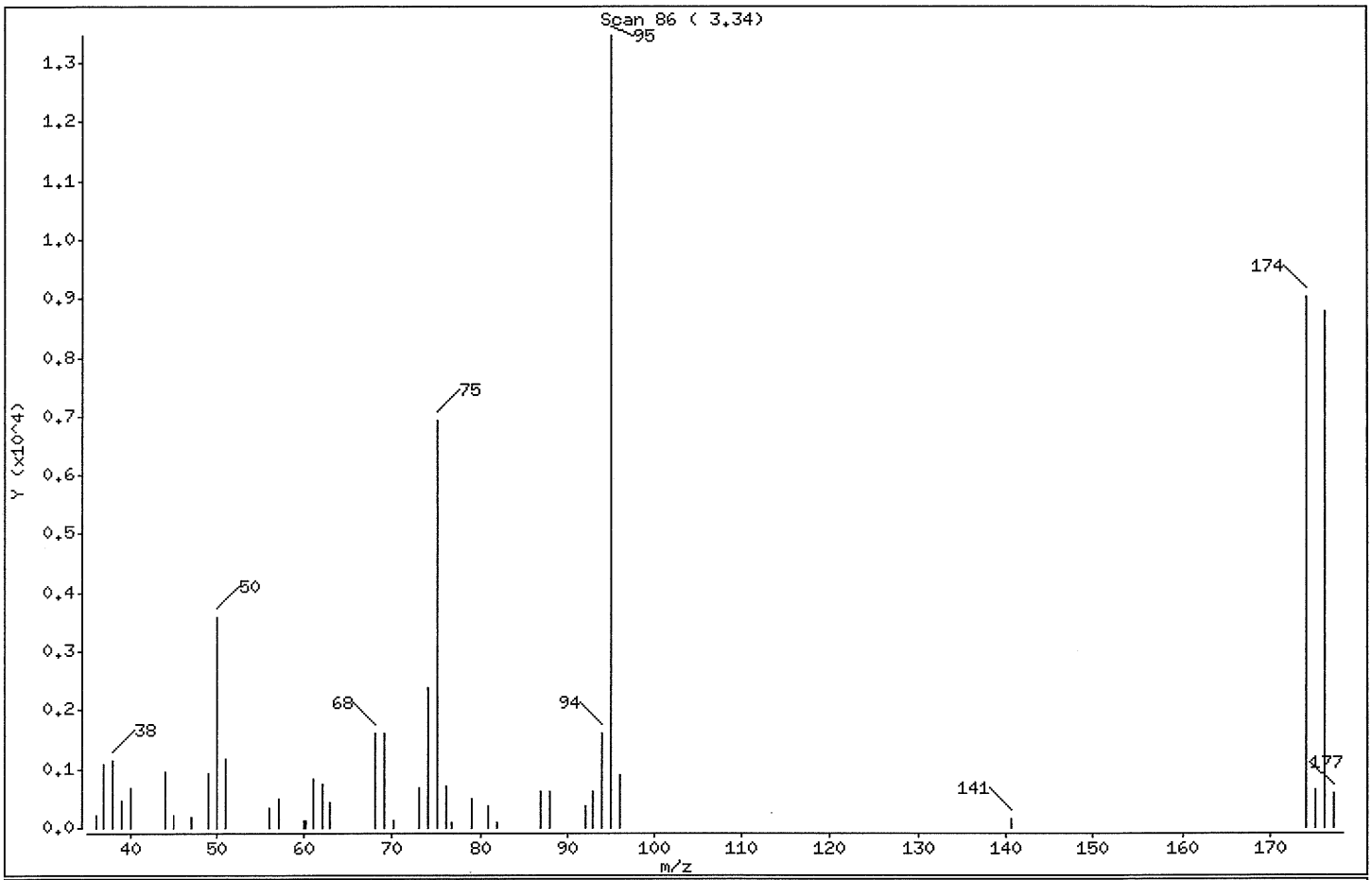
Client ID: | Instrument: gcms-s.i

Sample Info: 50 NG BFB

Volume Injected (uL): 1.0 | Operator: SKT

Column phase: RTX-VMS | Column diameter: 0.18

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	26.73
75	30.00 - 60.00% of mass 95	51.40
96	5.00 - 9.00% of mass 95	6.66
173	Less than 2.00% of mass 174	0.00 (0.00)
174	Greater than 50.00% of mass 95	67.17
175	5.00 - 9.00% of mass 174	4.76 (7.09)
176	95.00 - 101.00% of mass 174	65.25 (97.15)
177	5.00 - 9.00% of mass 176	4.32 (6.61)

Data File: \\Target_server\GC\chem\gcms-s.i\S011808B.b\SB704.D

Date : 18-JAN-2008 09:29

Client ID: Instrument: gcms-s.i

Sample Info: 50 NG BFB

Volume Injected (uL): 1.0 Operator: SKT

Column phase: RTX-VMS Column diameter: 0.18

Data File: SB704.D
Spectrum: Scan 86 (3.34)
Location of Maximum: 95.00
Number of points: 41

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.05	205	56.00	346	74.05	2397	94.00	1611
36.95	1071	57.00	493	75.05	6920	95.00	13463
38.05	1140	59.95	130	76.05	715	96.00	897
39.05	455	60.15	136	76.85	106	140.75	169
40.00	681	61.05	832	78.95	487	173.95	9043
44.00	958	62.05	756	81.00	384	174.90	641
45.00	214	62.95	438	81.90	108	175.90	8785
47.05	182	68.00	1620	86.95	630	177.00	581
49.05	921	69.00	1611	87.95	623		
50.05	3599	70.20	120	92.05	356		
51.05	1183	73.05	679	93.00	607		

Data File: \\Target_server\GC\chem\gcms-z.i\Z011408.b\ZB780.D

Date : 14-JAN-2008 12:52

Client ID:

Instrument: gcms-z.i

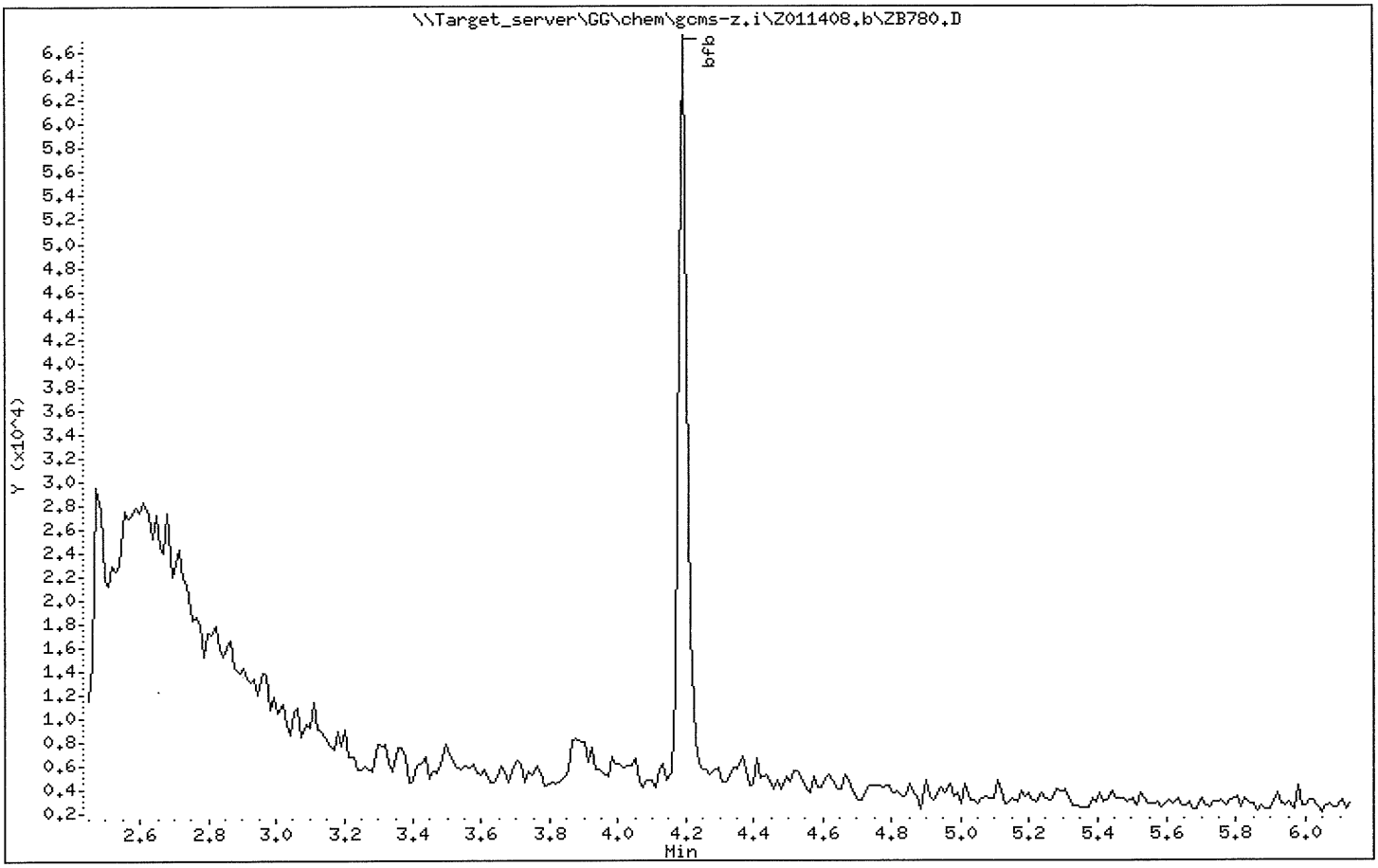
Sample Info: 50NG BFB

Volume Injected (uL): 1.0

Operator: SKT

Column phase: RTX-VMS

Column diameter: 0.18



Data File: \\Target_server\GC\chem\gcms-z.i\Z011408.b\ZB780.D

Date : 14-JAN-2008 12:52

Client ID:

Instrument: gcms-z.i

Sample Info: 50NG BFB

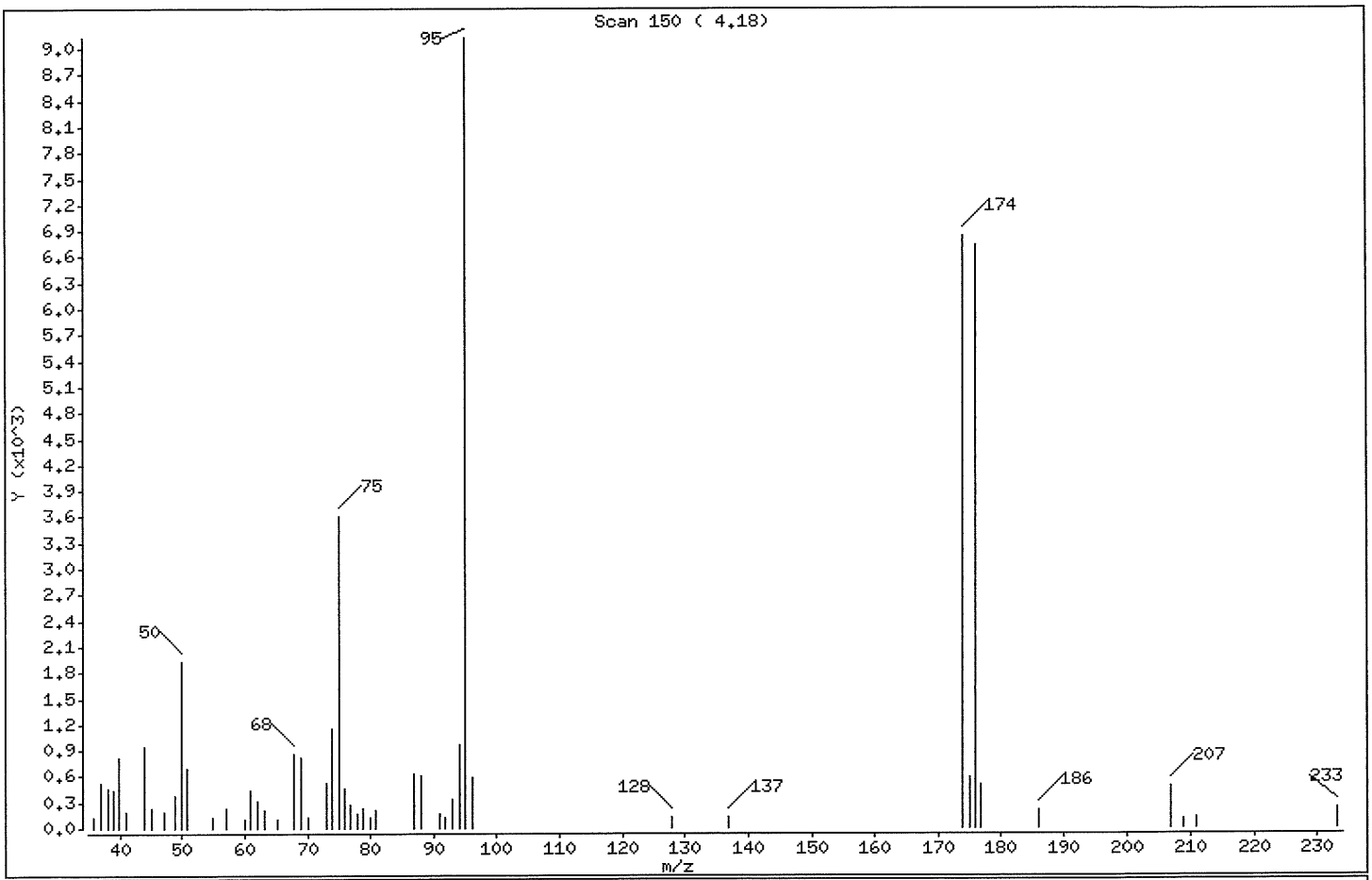
Volume Injected (uL): 1.0

Operator: SKT

Column phase: RTX-VMS

Column diameter: 0.18

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	21.21
75	30.00 - 60.00% of mass 95	39.55
96	5.00 - 9.00% of mass 95	6.38
173	Less than 2.00% of mass 174	0.00 (0.00)
174	Greater than 50.00% of mass 95	75.02
175	5.00 - 9.00% of mass 174	6.44 (8.59)
176	95.00 - 101.00% of mass 174	73.88 (98.48)
177	5.00 - 9.00% of mass 176	5.48 (7.41)

Data File: \\Target_server\GG\chem\gcms-z.i\Z011408.b\ZB780.D

Date : 14-JAN-2008 12:52

Client ID: Instrument: gcms-z.i

Sample Info: 50NG BFB

Volume Injected (uL): 1.0 Operator: SKT

Column phase: RTX-VMS Column diameter: 0.18

Data File: ZB780.D
Spectrum: Scan 150 (4.18)
Location of Maximum: 94.95
Number of points: 50

m/z	Y	m/z	Y	m/z	Y	m/z	Y
35.90	117	57.05	238	76.85	269	127.85	136
36.85	520	59.95	110	77.95	172	136.90	134
38.05	456	60.85	448	78.90	226	173.85	6848
39.05	436	62.00	322	80.10	132	174.85	588
39.95	816	63.10	212	80.90	201	175.85	6744
40.95	190	65.10	107	86.85	631	176.85	500
43.85	954	67.90	867	87.95	613	186.00	207
44.90	224	68.90	820	90.95	159	206.85	488
46.90	192	70.05	132	91.85	135	208.85	108
48.90	382	72.95	520	92.95	332	210.85	135
50.00	1936	73.95	1146	94.05	962	232.90	228
50.90	684	74.95	3610	94.95	9128		
54.95	129	75.85	457	96.00	582		

Data File: \\Target_server\GG\chem\gcms-z.i\Z011608B.b\ZB783.D

Date : 16-JAN-2008 10:28

Client ID:

Instrument: gcms-z.i

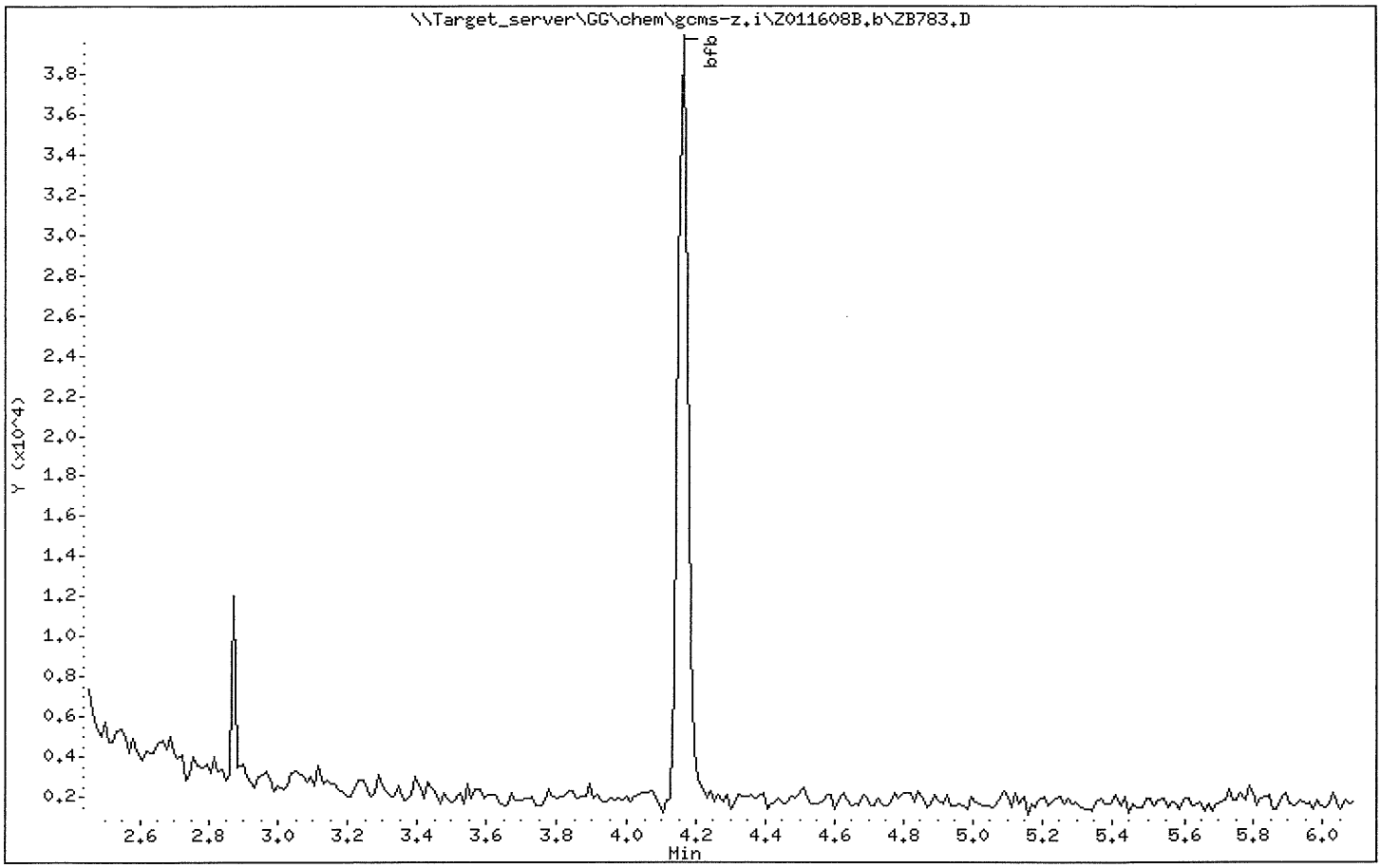
Sample Info: 50NG BFB

Volume Injected (uL): 1.0

Operator: SKT

Column phase: RTX-VMS

Column diameter: 0.18



Data File: \\Target_server\GC\chem\gcms-z.i\Z011608B.b\ZB783.D

Date : 16-JAN-2008 10:28

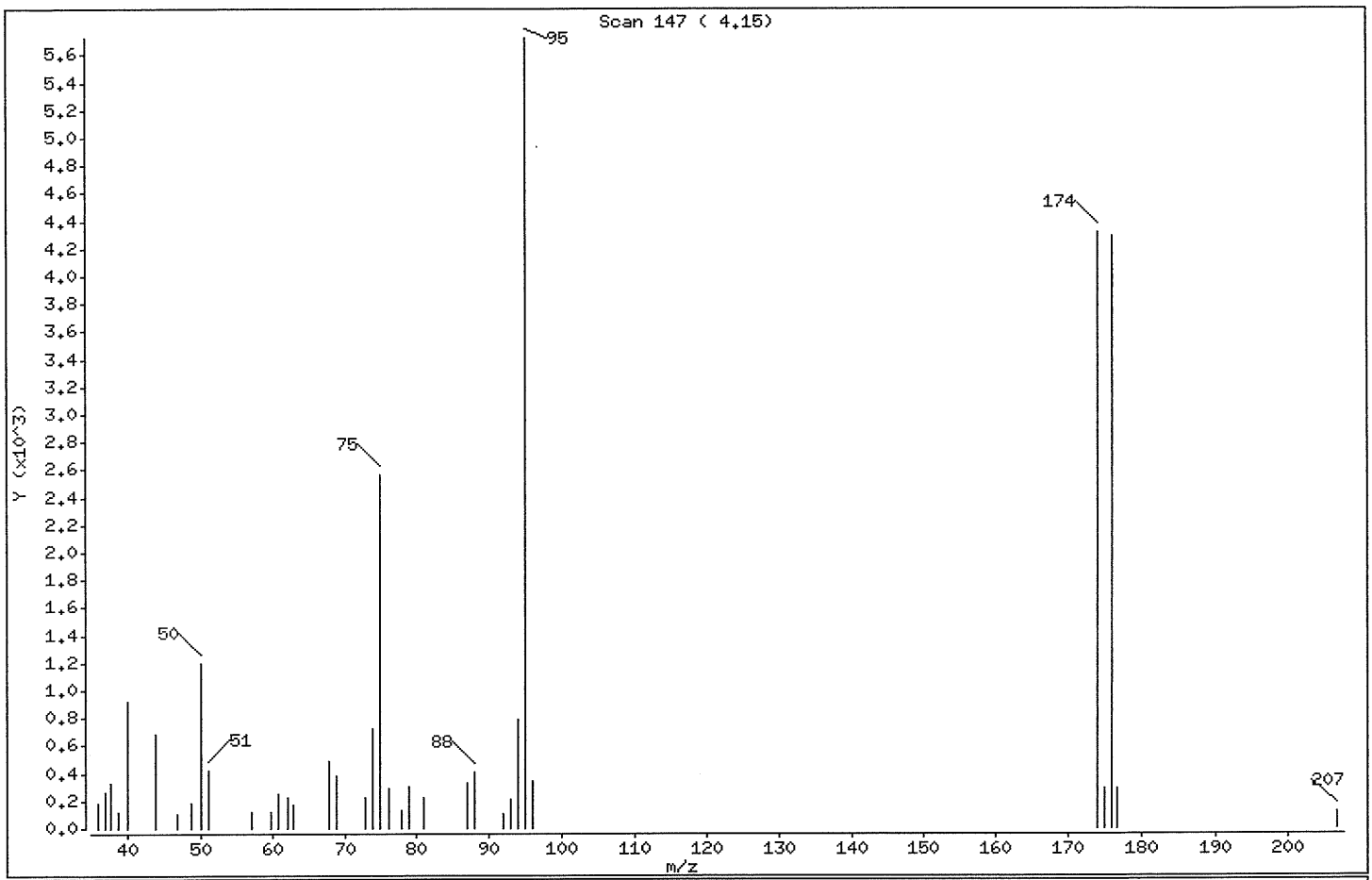
Client ID: | Instrument: gcms-z.i

Sample Info: 50NG BFB

Volume Injected (uL): 1.0 | Operator: SKT

Column phase: RTX-VMS | Column diameter: 0.18

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	20.81
75	30.00 - 60.00% of mass 95	44.91
96	5.00 - 9.00% of mass 95	6.08
173	Less than 2.00% of mass 174	0.00 (0.00)
174	Greater than 50.00% of mass 95	75.35
175	5.00 - 9.00% of mass 174	5.05 (6.70)
176	95.00 - 101.00% of mass 174	75.00 (99.54)
177	5.00 - 9.00% of mass 176	5.17 (6.90)

Data File: \\Target_server\GG\chem\gcms-z.i\Z011608B.b\ZB783.D

Date : 16-JAN-2008 10:28

Client ID: | Instrument: gcms-z.i

Sample Info: 50NG BFB

Volume Injected (uL): 1.0 | Operator: SKT

Column phase: RTX-VMS | Column diameter: 0.18

Data File: ZB783.D
Spectrum: Scan 147 (4.15)
Location of Maximum: 94.95
Number of points: 36

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	181	57.05	122	76.05	287	96.00	348
37.05	260	59.95	117	77.85	136	173.95	4312
37.85	325	60.95	248	78.90	307	174.95	289
38.65	116	62.00	230	80.90	219	175.95	4292
39.95	926	62.90	172	86.95	333	176.85	296
43.85	688	67.90	487	87.95	403	206.85	123
46.80	108	68.90	379	92.05	103		
48.80	186	72.95	229	92.95	214		
50.00	1191	73.95	728	93.95	789		
51.00	420	74.95	2570	94.95	5723		

Raw QC Data Section

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client:
Project: CTO 426 NLON
PO No:
Sample Date:
Received Date:
Extraction Date:
Analysis Date: 21-JAN-2008 15:18
Report Date: 01/30/2008
Matrix: WATER
% Solids: NA

Lab ID: WG47623-2
Client ID: WG47623-Blank
SDG: CTO426-1
Extracted by:
Extraction Method: SW846 5030
Analyst: JSS
Analysis Method: SW846 8260B
Lab Prep Batch: WG47623
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
1634-04-4	Methyl tert-butyl ether	U	1	1.0	1	1	0.6
71-43-2	Benzene	U	1	1.0	1	1	0.4
108-88-3	Toluene	U	1	1.0	1	1	0.3
100-41-4	Ethylbenzene	U	1	1.0	1	1	0.4
1330-20-7	Xylenes (total)	U	3	1.0	3	3	0.4
	m+p-Xylenes	U	2	1.0	2	2	1.0
95-47-6	o-Xylene	U	1	1.0	1	1	0.4
98-82-8	Isopropylbenzene	U	1	1.0	1	1	0.5
91-20-3	Naphthalene	U	1	1.0	1	1	0.4
1868-53-7	Dibromofluoromethane		99%				
17060-07-0	1,2-Dichloroethane-D4		96%				
2037-26-5	Toluene-D8		98%				
460-00-4	P-Bromofluorobenzene		92%				

Data File: \\Target_server\GG\chem\gcms-f.i\F012108B.b\F8746.D
Report Date: 30-Jan-2008 09:23

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gcms-f.i\F012108B.b\F8746.D
Lab Smp Id: WG47623-2 Client Smp ID: WG47623-Blank
Inj Date : 21-JAN-2008 15:18 MS Autotune Date: 01-JAN-1990 15:37
Operator : JSS Inst ID: gcms-f.i
Smp Info : WG47623-2
Misc Info : SW846 8260B
Comment :
Method : \\Target_server\GG\chem\gcms-f.i\F012108B.b\F826a99.m
Meth Date : 30-Jan-2008 09:18 jprescott Quant Type: ISTD
Cal Date : 21-JAN-2008 12:58 Cal File: F8742.D
Als bottle: 19 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.12
Processing Host: TARGET05

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)
14 Methylene Chloride	84	3.054	3.044	(0.472)	3525	0.92639	0.93(a)
$ 37 Dibromofluoromethane	113	5.398	5.412	(0.835)	209815	49.5135	49.5
* 42 Pentafluorobenzene	168	6.466	6.491	(1.000)	424611	50.0000	
$ 45 1,2-Dichloroethane-D4	65	6.431	6.456	(0.995)	238793	48.1314	48.1
* 49 1,4-Difluorobenzene	114	7.673	7.686	(1.000)	522880	50.0000	
54 1,4-Dioxane	88	9.159	9.149	(1.194)	1827	32.6489	32.6
$ 55 Toluene-D8	98	9.936	9.938	(1.295)	629425	48.8623	48.9
* 66 Chlorobenzene-D5	117	11.608	11.621	(1.000)	464022	50.0000	
$ 76 P-Bromofluorobenzene	95	13.163	13.164	(1.715)	246742	45.8430	45.8
* 91 1,4-Dichlorobenzene-D4	152	14.660	14.662	(1.000)	223614	50.0000	

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: \\Target_server\GG\chem\gcms-f.i\F012108B.b\F8746.D
Report Date: 30-Jan-2008 09:23

Katahdin Analytical Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcms-f.i
Lab File ID: F8746.D
Lab Smp Id: WG47623-2
Analysis Type: VOA
Quant Type: ISTD
Operator: JSS
Method File: \\Target_server\GG\chem\gcms-f.i\F012108B.b\F826a99.m
Misc Info: SW846 8260B

Calibration Date: 21-JAN-2008
Calibration Time: 10:04
Client Smp ID: WG47623-Blank
Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 4

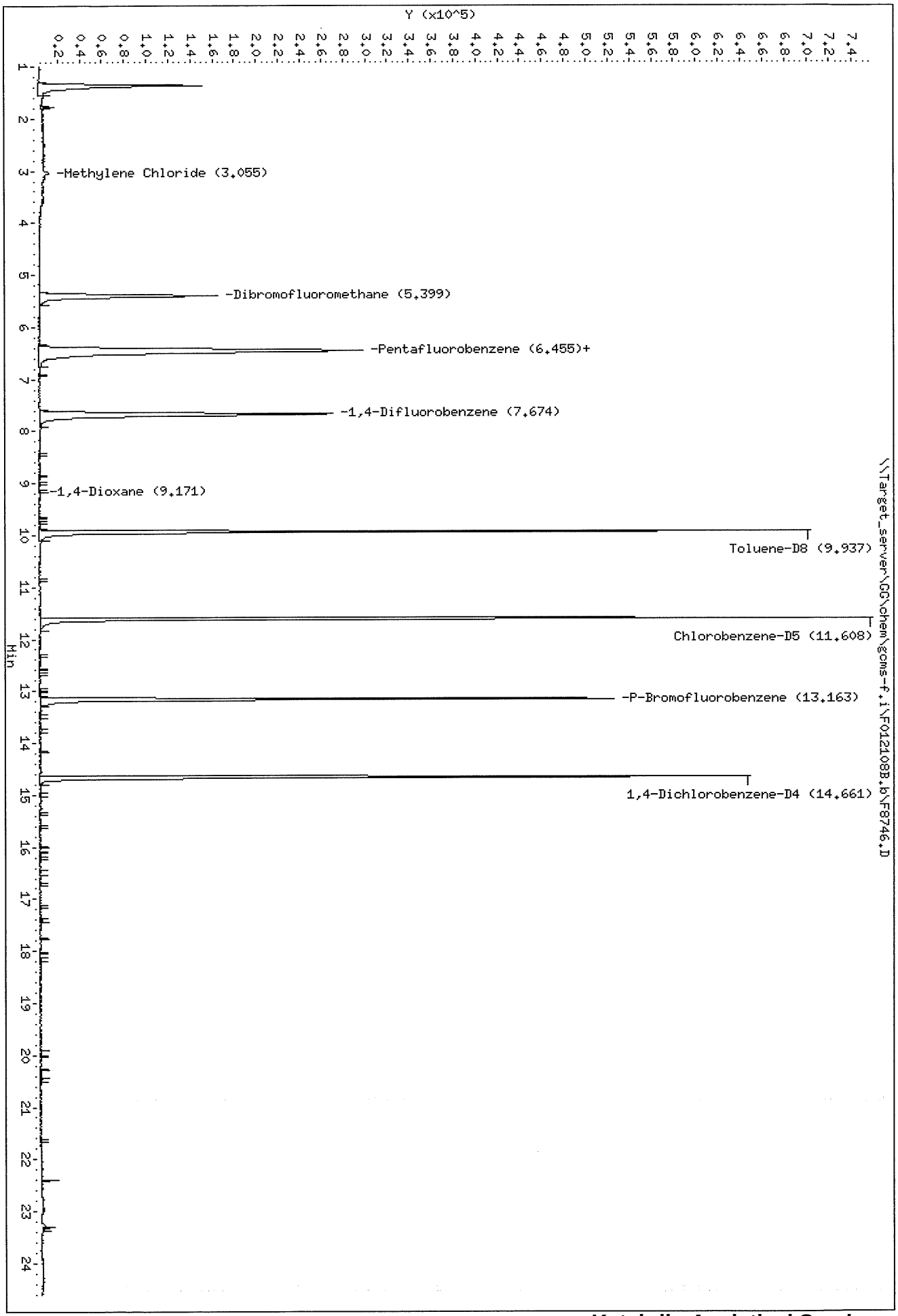
COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	535128	267564	1070256	424611	-20.65
49 1,4-Difluorobenze	685783	342892	1371566	522880	-23.75
66 Chlorobenzene-D5	571710	285855	1143420	464022	-18.84
91 1,4-Dichlorobenze	309249	154625	618498	223614	-27.69

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	6.48	5.98	6.98	6.47	-0.18
49 1,4-Difluorobenze	7.69	7.19	8.19	7.67	-0.16
66 Chlorobenzene-D5	11.61	11.11	12.11	11.61	-0.00
91 1,4-Dichlorobenze	14.66	14.16	15.16	14.66	-0.00

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.

Data File: \\Target_server\GC\chem\gcms-f.i\F012108B.b\F8746.D
Date : 21-JAN-2008 15:18
Client ID: WG47623-Blank
Sample Info: WG47623-2

Instrument: gcms-f.i



Data File: \\Target_server\GC\chem\gcms-f.i\F012108B.b\F8746.D

Date : 21-JAN-2008 15:18

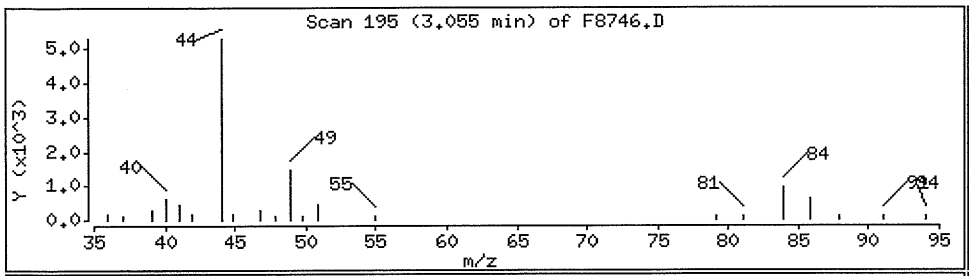
Client ID: WG47623-Blank

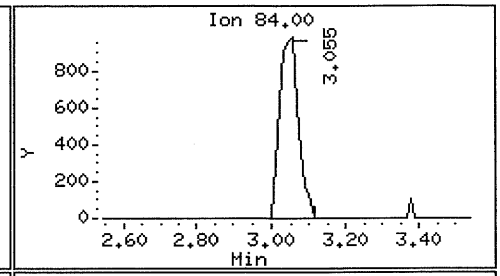
Instrument: gcms-f.i

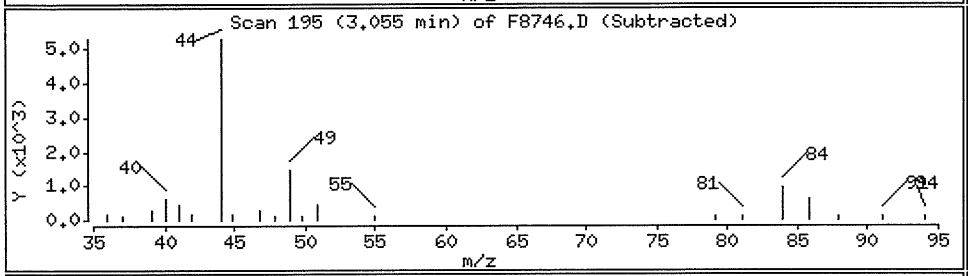
Sample Info: WG47623-2

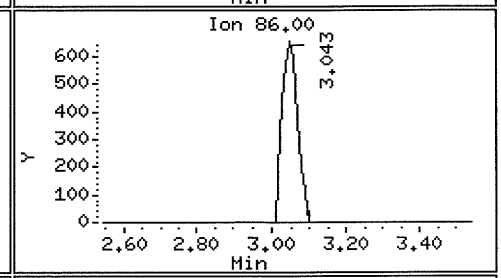
14 Methylene Chloride

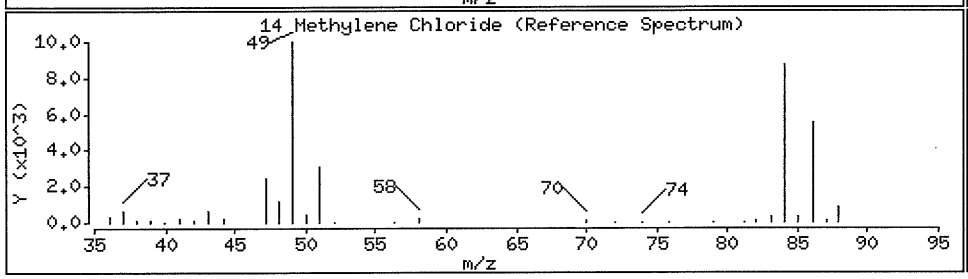
Concentration: 0.93 ug/l

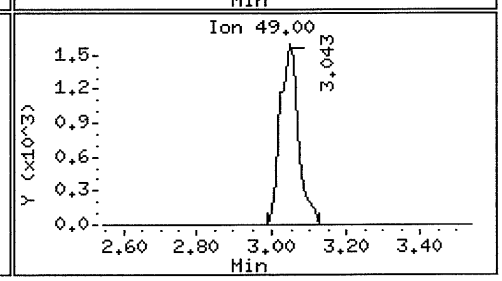






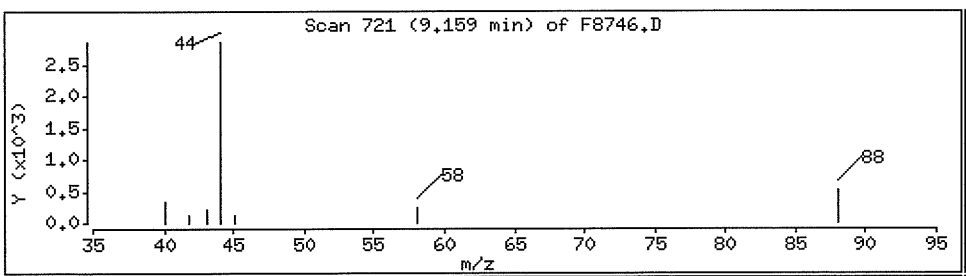


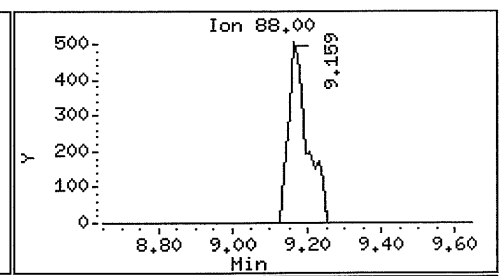


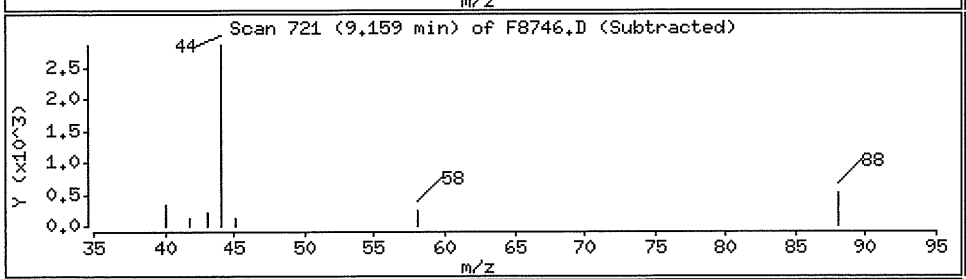


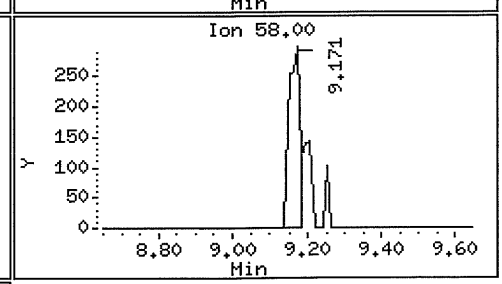
54 1,4-Dioxane

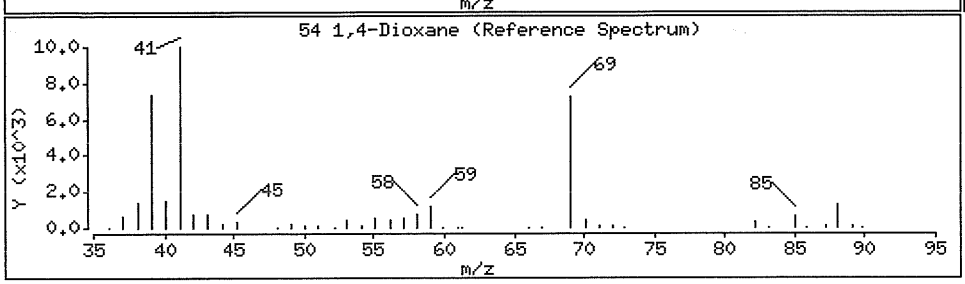
Concentration: 32.6 ug/l











KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client:
Project: CTO 426 NLON
PO No:
Sample Date:
Received Date:
Extraction Date:
Analysis Date: 17-JAN-2008 10:28
Report Date: 01/30/2008
Matrix: WATER
% Solids: NA

Lab ID: WG47521-2
Client ID: WG47521-Blank
SDG: CTO426-1
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG47521
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
1634-04-4	Methyl tert-butyl ether	U	1	1.0	1	1	0.6
71-43-2	Benzene	U	1	1.0	1	1	0.4
108-88-3	Toluene	U	1	1.0	1	1	0.3
100-41-4	Ethylbenzene	U	1	1.0	1	1	0.4
1330-20-7	Xylenes (total)	U	3	1.0	3	3	0.4
	m+p-Xylenes	U	2	1.0	2	2	1.0
95-47-6	o-Xylene	U	1	1.0	1	1	0.4
98-82-8	Isopropylbenzene	U	1	1.0	1	1	0.5
91-20-3	Naphthalene	U	1	1.0	1	1	0.4
1868-53-7	Dibromofluoromethane		82%				
17060-07-0	1,2-Dichloroethane-D4		87%				
2037-26-5	Toluene-D8		92%				
460-00-4	P-Bromofluorobenzene		88%				

Data File: \\Target_server\GG\chem\gcms-s.i\S011708.b\S8701.D
Report Date: 30-Jan-2008 09:49

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gcms-s.i\S011708.b\S8701.D
Lab Smp Id: WG47521-2 Client Smp ID: WG47521-Blank
Inj Date : 17-JAN-2008 10:28 MS Autotune Date: 21-NOV-2007 15:16
Operator : SKT Inst ID: gcms-s.i
Smp Info : WG47521-2
Misc Info : SW846 8260B
Comment :
Method : \\Target_server\GG\chem\gcms-s.i\S011708.b\s826a48.m
Meth Date : 17-Jan-2008 08:54 sthompson Quant Type: ISTD
Cal Date : 16-JAN-2008 19:34 Cal File: S8696.D
Als bottle: 13 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.12
Processing Host: MIS_2

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)
$ 37 Dibromofluoromethane	113	8.247	8.265	(0.904)	280788	41.2901	41.3
* 42 Pentafluorobenzene	168	9.119	9.125	(1.000)	602684	50.0000	
$ 45 1,2-Dichloroethane-D4	65	9.130	9.137	(1.001)	311436	43.4276	43.4
* 49 1,4-Difluorobenzene	114	9.828	9.846	(1.000)	874294	50.0000	
$ 55 Toluene-D8	98	11.387	11.393	(1.159)	788582	45.8197	45.8
* 66 Chlorobenzene-D5	117	13.282	13.289	(1.000)	746359	50.0000	
$ 76 P-Bromofluorobenzene	95	14.876	14.882	(1.514)	316053	43.8842	43.9
* 91 1,4-Dichlorobenzene-D4	152	16.422	16.428	(1.000)	385025	50.0000	

Data File: \\Target_server\GG\chem\gcms-s.i\S011708.b\S8701.D
Report Date: 30-Jan-2008 09:49

Katahdin Analytical Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcms-s.i
Lab File ID: S8701.D
Lab Smp Id: WG47521-2
Analysis Type: VOA
Quant Type: ISTD
Operator: SKT
Method File: \\Target_server\GG\chem\gcms-s.i\S011708.b\s826a48.m
Misc Info: SW846 8260B

Calibration Date: 17-JAN-2008
Calibration Time: 08:35
Client Smp ID: WG47521-Blank
Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 4

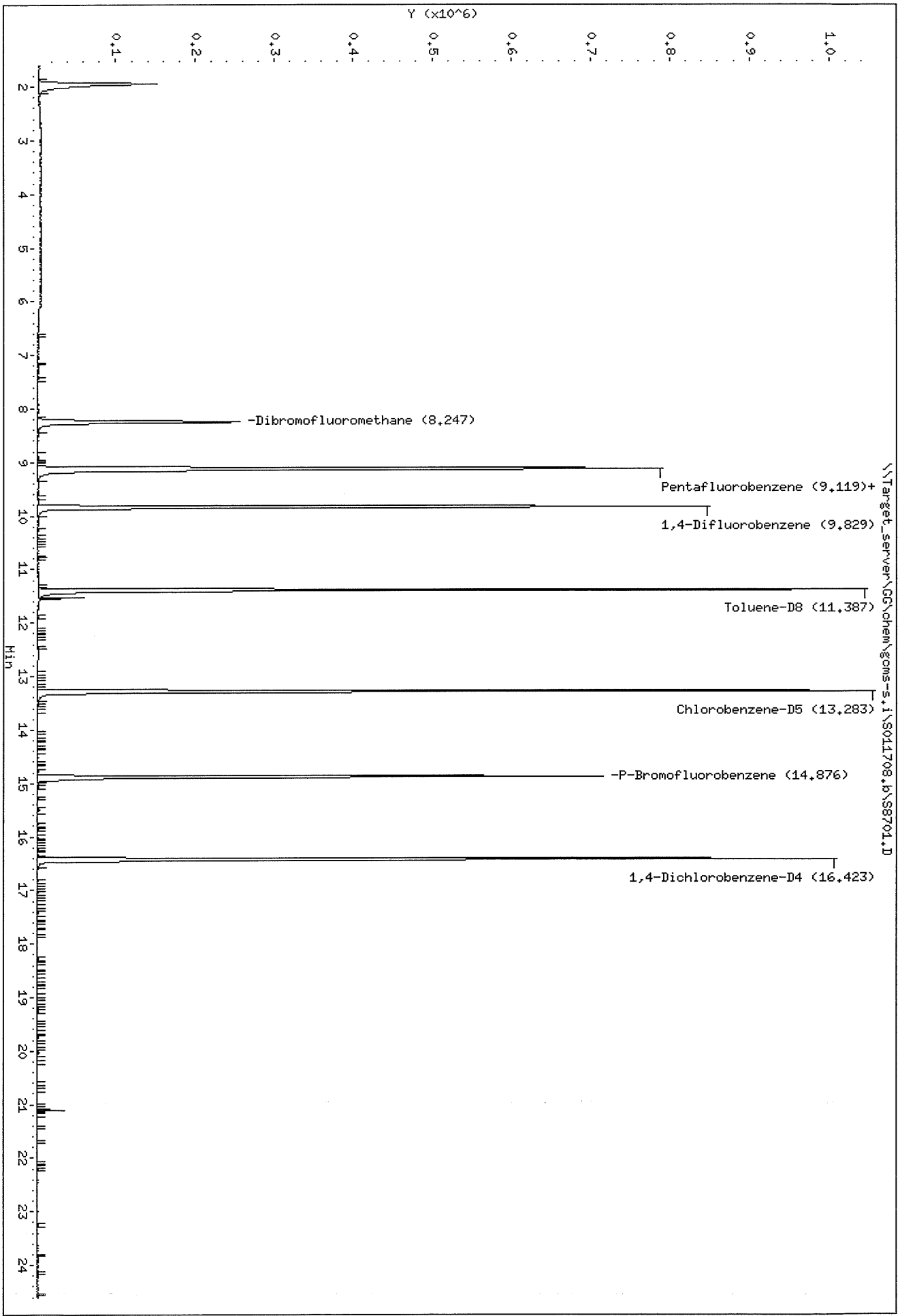
COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	628556	314278	1257112	602684	-4.12
49 1,4-Difluorobenze	887687	443844	1775374	874294	-1.51
66 Chlorobenzene-D5	767984	383992	1535968	746359	-2.82
91 1,4-Dichlorobenze	413885	206943	827770	385025	-6.97

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	9.12	8.62	9.62	9.12	-0.00
49 1,4-Difluorobenze	9.83	9.33	10.33	9.83	-0.00
66 Chlorobenzene-D5	13.27	12.77	13.77	13.28	0.09
91 1,4-Dichlorobenze	16.42	15.92	16.92	16.42	-0.00

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.

Data File: \\Target_server\GC\chem\gcms-s.i\S011708.b\S8701.D
Date : 17-JAN-2008 10:28
Client ID: WG47521-Blank
Sample Info: WG47521-2

Instrument: gcms-s.i



KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client:
Project: CTO 426 NLON
PO No:
Sample Date:
Received Date:
Extraction Date:
Analysis Date: 18-JAN-2008 12:31
Report Date: 01/30/2008
Matrix: WATER
% Solids: NA

Lab ID: WG47570-2
Client ID: WG47570-Blank
SDG: CTO426-1
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG47570
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
1634-04-4	Methyl tert-butyl ether	U	1	1.0	1	1	0.6
71-43-2	Benzene	U	1	1.0	1	1	0.4
108-88-3	Toluene	U	1	1.0	1	1	0.3
100-41-4	Ethylbenzene	U	1	1.0	1	1	0.4
1330-20-7	Xylenes (total)	U	3	1.0	3	3	0.4
	m+p-Xylenes	U	2	1.0	2	2	1.0
95-47-6	o-Xylene	U	1	1.0	1	1	0.4
98-82-8	Isopropylbenzene	U	1	1.0	1	1	0.5
91-20-3	Naphthalene	U	1	1.0	1	1	0.4
1868-53-7	Dibromofluoromethane		83%				
17060-07-0	1,2-Dichloroethane-D4		89%				
2037-26-5	Toluene-D8		97%				
460-00-4	P-Bromofluorobenzene		91%				

Data File: \\Target_server\GG\chem\gcms-s.i\S011808B.b\S8737.D
Report Date: 30-Jan-2008 10:17

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gcms-s.i\S011808B.b\S8737.D
Lab Smp Id: WG47570-2 Client Smp ID: WG47570-Blank
Inj Date : 18-JAN-2008 12:31 MS Autotune Date: 21-NOV-2007 15:16
Operator : SKT Inst ID: gcms-s.i
Smp Info : WG47570-2
Misc Info : SW846 8260B
Comment :
Method : \\Target_server\GG\chem\gcms-s.i\S011808B.b\s826a48.m
Meth Date : 18-Jan-2008 10:08 jsampson Quant Type: ISTD
Cal Date : 16-JAN-2008 19:34 Cal File: S8696.D
Als bottle: 14 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.12
Processing Host: MIS_2

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)
$ 37 Dibromofluoromethane	113	8.286	8.265	(0.906)	282144	41.5126	41.5
* 42 Pentafluorobenzene	168	9.147	9.125	(1.000)	602349	50.0000	
$ 45 1,2-Dichloroethane-D4	65	9.158	9.137	(1.001)	317555	44.3055	44.3
* 49 1,4-Difluorobenzene	114	9.868	9.846	(1.000)	798383	50.0000	
$ 55 Toluene-D8	98	11.415	11.393	(1.157)	764105	48.6188	48.6
* 66 Chlorobenzene-D5	117	13.310	13.289	(1.000)	760667	50.0000	
$ 76 P-Bromofluorobenzene	95	14.903	14.882	(1.510)	299809	45.5868	45.6
* 91 1,4-Dichlorobenzene-D4	152	16.450	16.428	(1.000)	340230	50.0000	

Data File: \\Target_server\GG\chem\gcms-s.i\S011808B.b\S8737.D
Report Date: 30-Jan-2008 10:17

Katahdin Analytical Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcms-s.i
Lab File ID: S8737.D
Lab Smp Id: WG47570-2
Analysis Type: VOA
Quant Type: ISTD
Operator: SKT
Method File: \\Target_server\GG\chem\gcms-s.i\S011808B.b\s826a48.m
Misc Info: SW846 8260B

Calibration Date: 18-JAN-2008
Calibration Time: 09:51
Client Smp ID: WG47570-Blank
Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 4

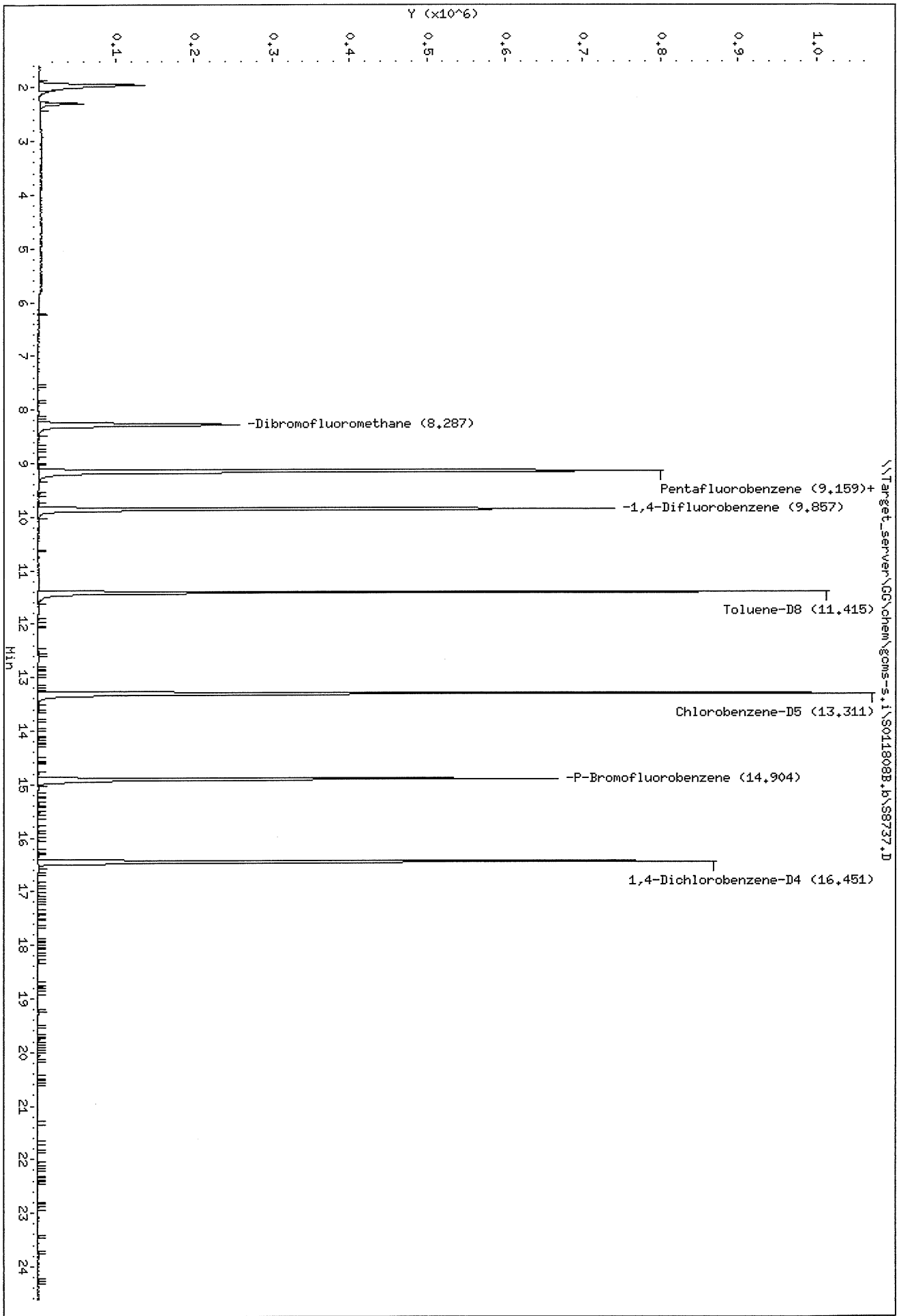
COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	575463	287732	1150926	602349	4.67
49 1,4-Difluorobenze	821948	410974	1643896	798383	-2.87
66 Chlorobenzene-D5	718198	359099	1436396	760667	5.91
91 1,4-Dichlorobenze	389229	194615	778458	340230	-12.59

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	9.15	8.65	9.65	9.15	-0.05
49 1,4-Difluorobenze	9.86	9.36	10.36	9.87	0.07
66 Chlorobenzene-D5	13.30	12.80	13.80	13.31	0.05
91 1,4-Dichlorobenze	16.44	15.94	16.94	16.45	0.04

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.

Data File: \\Target_server\GC\chem\gcms-s.i\S011808B.b\S8737.D
Date : 18-JAN-2008 12:31
Client ID: WG47570-Blank
Sample Info: WG47570-2

Instrument: gcms-s.i



KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client:
Project: CTO 426 NLON
PO No:
Sample Date:
Received Date:
Extraction Date:
Analysis Date: 16-JAN-2008 13:35
Report Date: 01/30/2008
Matrix: WATER
% Solids: NA

Lab ID: WG47493-2
Client ID: WG47493-Blank
SDG: CTO426-1
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG47493
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
1634-04-4	Methyl tert-butyl ether	U	1	1.0	1	1	0.6
71-43-2	Benzene	U	1	1.0	1	1	0.4
108-88-3	Toluene	U	1	1.0	1	1	0.3
100-41-4	Ethylbenzene	U	1	1.0	1	1	0.4
1330-20-7	Xylenes (total)	U	3	1.0	3	3	0.4
	m+p-Xylenes	U	2	1.0	2	2	1.0
95-47-6	o-Xylene	U	1	1.0	1	1	0.4
98-82-8	Isopropylbenzene	U	1	1.0	1	1	0.5
91-20-3	Naphthalene	U	1	1.0	1	1	0.4
1868-53-7	Dibromofluoromethane		87%				
17060-07-0	1,2-Dichloroethane-D4		80%				
2037-26-5	Toluene-D8		93%				
460-00-4	P-Bromofluorobenzene		72%				

Data File: \\Target_server\GG\chem\gcms-z.i\Z011608B.b\Z6397.D
Report Date: 30-Jan-2008 10:22

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gcms-z.i\Z011608B.b\Z6397.D
Lab Smp Id: WG47493-2 Client Smp ID: WG47493-Blank
Inj Date : 16-JAN-2008 13:35 MS Autotune Date: 09-OCT-2007 12:05
Operator : SKT Inst ID: gcms-z.i
Smp Info : WG47493-2
Misc Info : SW846 8260B
Comment :
Method : \\Target_server\GG\chem\gcms-z.i\Z011608B.b\Z826a71.m
Meth Date : 24-Jan-2008 10:18 jprescott Quant Type: ISTD
Cal Date : 14-JAN-2008 17:08 Cal File: Z6357.D
Als bottle: 14 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.12
Processing Host: MIS_2

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)
$ 37 Dibromofluoromethane	113	9.439	9.457	(0.933)	226209	43.5912	43.6
* 42 Pentafluorobenzene	168	10.112	10.141	(1.000)	459210	50.0000	
$ 45 1,2-Dichloroethane-D4	65	10.136	10.153	(1.002)	171026	39.8268	39.8
* 49 1,4-Difluorobenzene	114	10.739	10.756	(1.000)	644577	50.0000	
$ 55 Toluene-D8	98	12.329	12.335	(1.148)	579612	46.3710	46.4
* 66 Chlorobenzene-D5	117	14.256	14.273	(1.000)	568485	50.0000	
$ 76 P-Bromofluorobenzene	95	15.857	15.863	(1.477)	195196	36.2723	36.3
* 91 1,4-Dichlorobenzene-D4	152	17.424	17.430	(1.000)	275536	50.0000	

Data File: \\Target_server\GG\chem\gcms-z.i\Z011608B.b\Z6397.D
Report Date: 30-Jan-2008 10:22

Katahdin Analytical Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcms-z.i
Lab File ID: Z6397.D
Lab Smp Id: WG47493-2
Analysis Type: VOA
Quant Type: ISTD
Operator: SKT
Method File: \\Target_server\GG\chem\gcms-z.i\Z011608B.b\Z826a71.m
Misc Info: SW846 8260B

Calibration Date: 16-JAN-2008
Calibration Time: 10:52
Client Smp ID: WG47493-Blank
Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 4

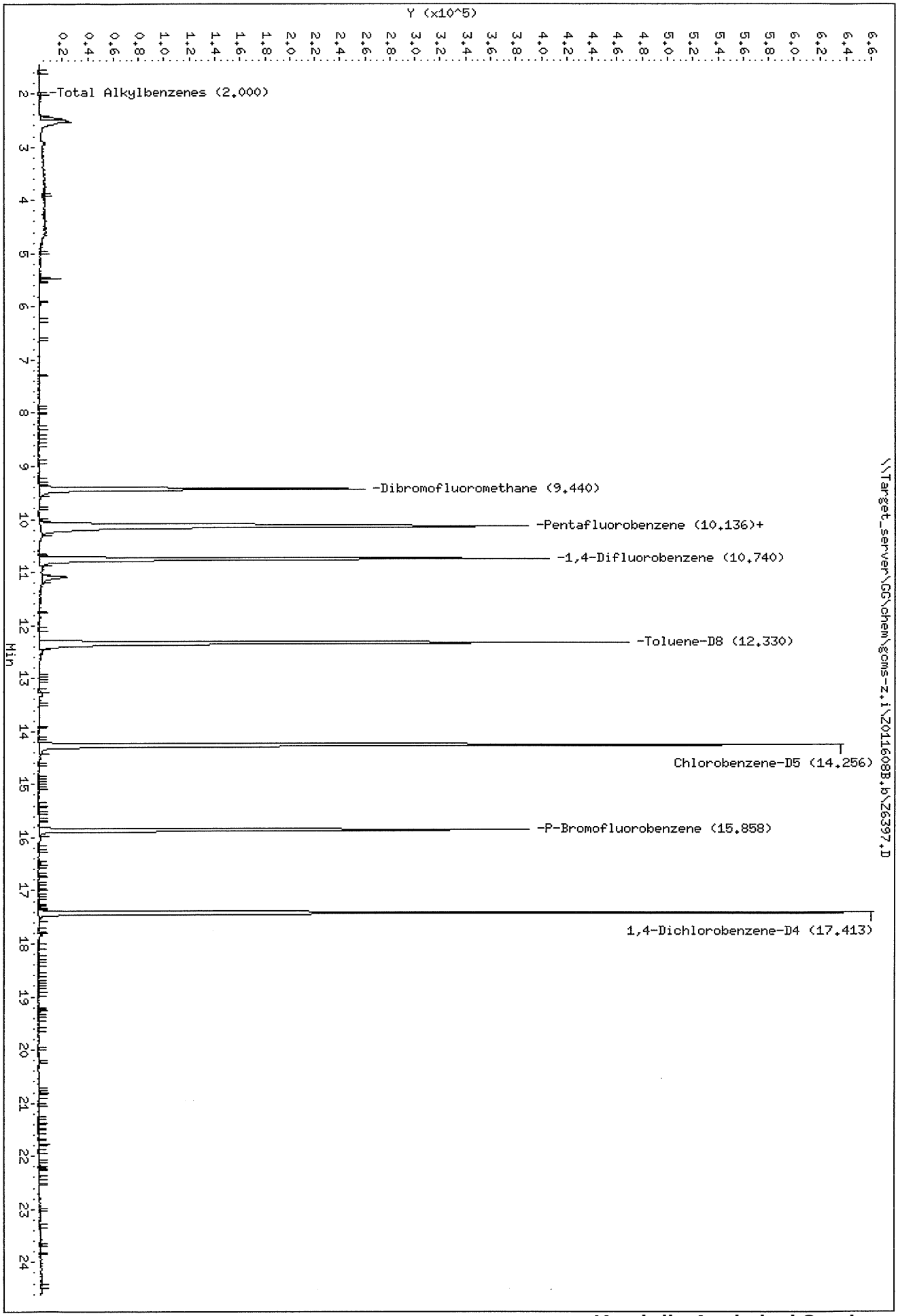
COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	474979	237490	949958	459210	-3.32
49 1,4-Difluorobenze	661176	330588	1322352	644577	-2.51
66 Chlorobenzene-D5	548483	274242	1096966	568485	3.65
91 1,4-Dichlorobenze	296621	148311	593242	275536	-7.11

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	10.12	9.62	10.62	10.11	-0.05
49 1,4-Difluorobenze	10.74	10.24	11.24	10.74	-0.04
66 Chlorobenzene-D5	14.26	13.76	14.76	14.26	-0.03
91 1,4-Dichlorobenze	17.42	16.92	17.92	17.42	0.04

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.

Data File: \\Target_server\GC\chem\gcms-z.i\Z011608B.b\Z6397.D
Date : 16-JAN-2008 13:35
Client ID: WG47493-Blank
Sample Info: WG47493-2

Instrument: gcms-z.i



KATAHDIN ANALYTICAL SERVICES
LAB CONTROL SAMPLE

Client:
Project: CTO 426 NLON
PO No:
Sample Date:
Received Date:
Extraction Date:
Analysis Date: 01/21/08
Report Date: 01/30/2008
Matrix: WATER

Lab ID: WG47623-1
Client ID: WG47623-LCS
SDG: CTO426-1
Extracted by:
Extraction Method: SW846 5030
Analyst: JSS
Analysis Method: SW846 8260B
Lab Prep Batch: WG47623
Units: ug/l

COMPOUND	LCS SPIKE	SAMPLE CONC.	LCS CONC.	%REC.	QC. LIMITS
Dichlorodifluoromethane	50	NA	43	87	20-143
Chloromethane	50	NA	42	85	34-132
Vinyl chloride	50	NA	44	89	48-136
Bromomethane	50	NA	48	96	52-129
Chloroethane	50	NA	46	92	43-146
Trichlorofluoromethane	50	NA	45	90	62-157
Diethyl Ether	50	NA	47	94	74-141
Tertiary-butyl alcohol	250	NA	167	67	10-152
1,1-Dichloroethene	50	NA	43	85	64-126
Carbon Disulfide	50	NA	43	85	59-136
Freon-113	50	NA	45	90	78-140
Iodomethane	50	NA	44	89	54-107
Acrolein	250	NA	218	87	42-156
Methylene Chloride	50	NA	46	91	63-122
Acetone	50	NA	30	60	15-160
Isobutyl Alcohol	1000	NA	658	66	10-169
trans-1,2-Dichloroethene	50	NA	44	88	65-128
Allyl Chloride	50	NA	45	91	64-150
Methyl tert-butyl ether	100	NA	97	97	71-140
Acetonitrile	500	NA	470	94	40-164
Di-isopropyl ether	50	NA	46	92	77-135
Chloroprene	50	NA	44	88	82-133
Methacrylonitrile	500	NA	467	93	69-146
Propionitrile	500	NA	454	91	51-161
1,1-Dichloroethane	50	NA	48	95	74-135
Acrylonitrile	250	NA	231	92	67-144
Ethyl tertiary-butyl ether	50	NA	46	93	79-136
Vinyl Acetate	50	NA	45	91	57-139
cis-1,2-Dichloroethene	50	NA	43	86	75-117
1,2-Dichloroethylene (total)	100	NA	87	87	72-121
Methyl Methacrylate	50	NA	46	91	71-136
2,2-Dichloropropane	50	NA	48	95	55-140
Bromochloromethane	50	NA	51	102	80-132
Chloroform	50	NA	48	95	80-125
Carbon Tetrachloride	50	NA	48	95	76-123
Tetrahydrofuran	50	NA	42	83	38-157
1,1,1-Trichloroethane	50	NA	46	91	79-125
1,1-Dichloropropene	50	NA	45	89	80-125
2-Butanone	50	NA	42	83	45-184
Benzene	50	NA	46	92	71-125
Cyclohexane	50	NA	45	90	57-128
Ethyl Methacrylate	50	NA	50	99	73-134
Tertiary-amyl methyl ether	50	NA	47	94	78-133
1,2-Dichloroethane	50	NA	46	91	75-125
Trichloroethene	50	NA	44	87	78-118

KATAHDIN ANALYTICAL SERVICES
LAB CONTROL SAMPLE

Client:
Project: CTO 426 NLON
PO No:
Sample Date:
Received Date:
Extraction Date:
Analysis Date: 01/21/08
Report Date: 01/30/2008
Matrix: WATER

Lab ID: WG47623-1
Client ID: WG47623-LCS
SDG: CTO426-1
Extracted by:
Extraction Method: SW846 5030
Analyst: JSS
Analysis Method: SW846 8260B
Lab Prep Batch: WG47623
Units: ug/l

COMPOUND	LCS SPIKE	SAMPLE CONC.	LCS CONC.		%REC.	QC. LIMITS
Dibromomethane	50	NA	47		95	73-125
1,2-Dichloropropane	50	NA	46		92	78-127
Bromodichloromethane	50	NA	47		94	76-118
cis-1,3-dichloropropene	50	NA	47		93	84-125
1,4-Dioxane	1000	NA	175		18	10-178
2-Chloroethylvinylether	50	NA	46		92	20-191
Toluene	50	NA	45		90	79-118
4-methyl-2-pentanone	50	NA	46		93	44-157
Tetrachloroethene	50	NA	43		86	71-137
trans-1,3-Dichloropropene	50	NA	52		105	89-137
1,1,2-Trichloroethane	50	NA	46		92	76-125
Dibromochloromethane	50	NA	47		94	77-119
1,3-Dichloropropane	50	NA	48		97	79-122
1,2-Dibromoethane	50	NA	47		93	78-124
2-Hexanone	50	NA	47		94	27-182
Chlorobenzene	50	NA	46		92	81-118
Ethylbenzene	50	NA	45		91	80-115
1,1,1,2-Tetrachloroethane	50	NA	47		93	79-118
Xylenes (total)	150	NA	139		93	85-114
m+p-Xylenes	100	NA	92		92	87-113
o-Xylene	50	NA	47		93	80-118
Styrene	50	NA	50		100	81-116
Bromoform	50	NA	50		100	69-129
Isopropylbenzene	50	NA	48		97	87-129
cis-1,4-Dichloro-2-Butene	50	NA	49		99	60-133
trans-1,4-Dichloro-2-Butene	50	NA	47		94	67-134
Bromobenzene	50	NA	47		94	83-112
N-Propylbenzene	50	NA	47		93	79-121
1,1,2,2-Tetrachloroethane	50	NA	45		90	68-133
1,3,5-Trimethylbenzene	50	NA	44		89	80-117
2-Chlorotoluene	50	NA	42	*	84	86-113
1,2,3-Trichloropropane	50	NA	44		88	63-133
4-Chlorotoluene	50	NA	46		92	84-117
tert-Butylbenzene	50	NA	45		90	78-122
Pentachloroethane	50	NA	48		95	64-135
1,2,4-Trimethylbenzene	50	NA	44		88	78-116
P-Isopropyltoluene	50	NA	48		96	79-123
1,3-Dichlorobenzene	50	NA	46		92	86-111
1,4-Dichlorobenzene	50	NA	46		92	78-118
N-Butylbenzene	50	NA	44		88	76-119
sec-Butylbenzene	50	NA	43		87	77-121
1,2-Dichlorobenzene	50	NA	45		90	86-113
1,2-Dibromo-3-Chloropropane	50	NA	40		80	63-133
1,3,5-Trichlorobenzene	50	NA	42		85	84-118
Hexachlorobutadiene	50	NA	40		79	70-114

KATAHDIN ANALYTICAL SERVICES
LAB CONTROL SAMPLE

Client:
Project: CTO 426 NLON
PO No:
Sample Date:
Received Date:
Extraction Date:
Analysis Date: 01/21/08
Report Date: 01/30/2008
Matrix: WATER

Lab ID: WG47623-1
Client ID: WG47623-LCS
SDG: CTO426-1
Extracted by:
Extraction Method: SW846 5030
Analyst: JSS
Analysis Method: SW846 8260B
Lab Prep Batch: WG47623
Units: ug/l

COMPOUND	LCS SPIKE	SAMPLE CONC.	LCS CONC.		%REC.	QC. LIMITS
1,2,4-Trichlorobenzene	50	NA	39		78	74-116
1,2,3-Trimethylbenzene	50	NA	44		88	85-124
Naphthalene	50	NA	37		74	64-121
1,2,3-Trichlorobenzene	50	NA	32	*	65	73-117
Methyl Acetate	50	NA	43		85	52-142
Methylcyclohexane	50	NA	41		83	83-125
1-Chlorohexane	50	NA	20	*	41	78-128
Total Alkylbenzenes	350	NA	315		90	60-140

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Data File: \\Target_server\GG\chem\gcms-f.i\F012108B.b\F8744.D
Report Date: 30-Jan-2008 09:23

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gcms-f.i\F012108B.b\F8744.D
Lab Smp Id: WG47623-1 Client Smp ID: WG47623-LCS
Inj Date : 21-JAN-2008 13:59 MS Autotune Date: 01-JAN-1990 15:37
Operator : JSS Inst ID: gcms-f.i
Smp Info : WG47623-1
Misc Info : SW846 8260B
Comment :
Method : \\Target_server\GG\chem\gcms-f.i\F012108B.b\F826a99.m
Meth Date : 30-Jan-2008 09:18 jprescott Quant Type: ISTD
Cal Date : 21-JAN-2008 12:58 Cal File: F8742.D
Als bottle: 17 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.12
Processing Host: TARGET05

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)
1 Dichlorodifluoromethane	85	1.474	1.477	(0.228)	290803	43.2808	43.3
2 Chloromethane	50	1.625	1.628	(0.251)	290865	42.4663	42.5
3 Vinyl chloride	62	1.672	1.674	(0.258)	252549	44.4899	44.5
4 Bromomethane	94	1.915	1.918	(0.296)	156389	47.9600	48.0
5 Chloroethane	64	2.008	2.011	(0.310)	110460	45.8465	45.8
6 Trichlorofluoromethane	101	2.113	2.115	(0.326)	349322	44.7659	44.8
7 Diethyl Ether	59	2.356	2.359	(0.364)	129034	46.8648	46.9
8 Tertiary-butyl alcohol	59	3.482	3.497	(0.538)	41465	167.112	167
9 1,1-Dichloroethene	96	2.519	2.522	(0.389)	164628	42.6969	42.7
10 Carbon Disulfide	76	2.530	2.533	(0.391)	491647	42.7451	42.7
11 Freon-113	151	2.542	2.556	(0.393)	119177	44.8281	44.8
12 Iodomethane	142	2.635	2.638	(0.407)	241846	44.5266	44.5
13 Acrolein	56	2.832	2.835	(0.437)	113785	218.263	218
14 Methylene Chloride	84	3.041	3.044	(0.470)	188006	45.5030	45.5
15 Acetone	43	3.111	3.137	(0.480)	39534	29.7550	29.8 (M)
16 Isobutyl Alcohol	43	7.022	7.036	(1.084)	75529	658.193	658
17 trans-1,2-Dichloroethene	96	3.204	3.206	(0.495)	190182	43.7571	43.8
18 Allyl Chloride	41	2.937	2.939	(0.453)	346730	45.3024	45.3
19 Methyl tert-butyl ether	73	3.331	3.346	(0.514)	954386	96.7392	96.7
20 Acetonitrile	39	3.598	3.601	(0.556)	37135	469.559	470 (M)
21 Di-isopropyl ether	45	3.784	3.787	(0.584)	820012	45.8977	45.9
22 Chloroprene	53	3.865	3.868	(0.597)	346036	43.8051	43.8
23 Propionitrile	54	6.279	6.317	(0.970)	210298	453.821	454

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	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	FINAL (ug/l)
	24 Methacrylonitrile	41	6.302	6.340	(0.973)	1479897	467.348	467
	25 1,1-Dichloroethane	63	3.888	3.903	(0.600)	381308	47.4694	47.5
	26 Acrylonitrile	52	3.993	4.006	(0.617)	298992	231.144	231
	27 Ethyl tertiary-butyl ether	59	4.260	4.263	(0.658)	640769	46.3409	46.3
	28 Vinyl Acetate	43	4.271	4.274	(0.556)	562975	45.2718	45.3
	29 cis-1,2-Dichloroethene	96	4.631	4.634	(0.715)	220074	43.1937	43.2
M	30 1,2-Dichloroethylene (total)	96				410256	86.9509	87.0
	31 Methyl Methacrylate	41	9.146	9.149	(1.190)	190133	45.5389	45.5
	32 2,2-Dichloropropane	77	4.782	4.796	(0.738)	325896	47.4712	47.5
	33 Bromochloromethane	128	4.933	4.936	(0.762)	100202	51.1804	51.2
	34 Chloroform	83	5.084	5.087	(0.785)	394264	47.6672	47.7
	35 Carbon Tetrachloride	117	5.258	5.261	(0.684)	263088	47.7488	47.7
	36 Tetrahydrofuran	42	5.362	5.365	(0.828)	48839	41.5992	41.6
$	37 Dibromofluoromethane	113	5.397	5.412	(0.833)	213425	46.3836	46.4
	38 1,1,1-Trichloroethane	97	5.386	5.400	(0.832)	324603	45.6128	45.6
	39 1,1-Dichloropropene	75	5.629	5.632	(0.733)	268841	44.6349	44.6
	40 2-Butanone	43	5.699	5.713	(0.880)	89267	41.7106	41.7
	41 Benzene	78	6.117	6.131	(0.796)	760962	45.8490	45.8
*	42 Pentafluorobenzene	168	6.476	6.491	(1.000)	461062	50.0000	
	43 Cyclohexane	56	4.898	4.901	(0.756)	261508	45.0121	45.0
	44 Ethyl Methacrylate	69	10.759	10.762	(1.400)	218905	49.5852	49.6
$	45 1,2-Dichloroethane-D4	65	6.430	6.456	(0.993)	254333	47.2108	47.2
	46 Tertiary-amyl methyl ether	73	6.511	6.526	(1.005)	515163	46.8995	46.9
	47 1,2-Dichloroethane	62	6.593	6.607	(0.858)	294909	45.7176	45.7
	48 Trichloroethene	95	7.509	7.512	(0.977)	204952	43.5350	43.5
*	49 1,4-Difluorobenzene	114	7.684	7.686	(1.000)	588620	50.0000	
	50 Dibromomethane	93	8.391	8.394	(1.092)	135029	47.3974	47.4
	51 1,2-Dichloropropane	63	8.589	8.603	(1.118)	185910	46.1003	46.1
	52 Bromodichloromethane	83	8.763	8.777	(1.140)	297503	47.1377	47.1
	53 cis-1,3-dichloropropene	75	9.715	9.717	(1.264)	320187	46.6705	46.7
	54 1,4-Dioxane	88	9.157	9.149	(1.192)	11010	174.777	175
$	55 Toluene-D8	98	9.935	9.938	(1.293)	688998	47.5133	47.5
	56 2-Chloroethylvinylether	63	9.703	9.706	(1.263)	108998	45.9405	45.9
	57 Toluene	92	9.993	9.996	(1.301)	466470	44.8322	44.8
	58 4-methyl-2-pentanone	43	10.504	10.507	(1.367)	195310	46.4697	46.5
	59 Tetrachloroethene	164	10.423	10.425	(0.897)	158875	42.8874	42.9
	60 trans-1,3-Dichloropropene	75	10.515	10.530	(1.369)	313124	52.3681	52.4
	61 1,1,2-Trichloroethane	83	10.678	10.681	(1.390)	143317	46.2019	46.2
	62 Dibromochloromethane	129	10.840	10.843	(0.933)	200248	46.9363	46.9
	63 1,3-Dichloropropane	76	10.945	10.948	(0.942)	281749	48.3426	48.3
	64 1,2-Dibromoethane	107	11.038	11.040	(1.437)	187785	46.6376	46.6
	65 2-Hexanone	43	11.386	11.389	(0.980)	139787	46.9199	46.9
*	66 Chlorobenzene-D5	117	11.618	11.621	(1.000)	490922	50.0000	
	67 Chlorobenzene	112	11.630	11.632	(1.001)	495824	45.9592	46.0
	152 1-Chlorohexane	91	11.676	11.702	(1.803)	302518	20.3783	20.4(RM)
	68 Ethylbenzene	106	11.699	11.702	(1.007)	252572	45.3240	45.3
	69 1,1,1,2-Tetrachloroethane	131	11.722	11.737	(1.009)	175550	46.5721	46.6
M	70 Xylenes (total)	106				973307	138.840	139
	71 m+p-Xylenes	106	11.873	11.888	(1.022)	653895	92.2660	92.3
	72 o-Xylene	106	12.396	12.410	(1.067)	319412	46.5740	46.6
	73 Styrene	104	12.477	12.480	(1.074)	586901	49.9846	50.0
	74 Bromoform	173	12.477	12.480	(1.074)	160164	49.9245	49.9
	75 Isopropylbenzene	105	12.813	12.816	(0.874)	767841	48.5436	48.5
$	76 P-Bromofluorobenzene	95	13.162	13.164	(1.713)	280196	46.2444	46.2

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Report Date: 30-Jan-2008 09:23

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	CONCENTRATIONS FINAL (ug/l)
77 cis-1,4-Dichloro-2-Butene	53	13.278	13.292	(0.906)	73301	49.3416	49.3
78 trans-1,4-Dichloro-2-Butene	53	13.707	13.710	(0.935)	71093	47.0174	47.0
79 Bromobenzene	156	13.266	13.269	(0.905)	226740	46.8914	46.9
80 N-Propylbenzene	91	13.359	13.362	(0.911)	1002421	46.6649	46.7
81 1,1,2,2-Tetrachloroethane	83	13.475	13.489	(0.919)	209987	44.7901	44.8
82 1,3,5-Trimethylbenzene	105	13.649	13.652	(0.931)	641389	44.5446	44.5
83 2-Chlorotoluene	91	13.533	13.536	(0.923)	568988	41.7684	41.8(R)
84 1,2,3-Trichloropropane	75	13.626	13.629	(0.930)	160081	44.2023	44.2
85 4-Chlorotoluene	91	13.765	13.768	(0.939)	652724	45.7873	45.8
86 tert-Butylbenzene	119	14.055	14.058	(0.959)	537634	44.8582	44.8
87 Pentachloroethane	117	14.055	14.058	(0.959)	139367	47.6989	47.7
88 1,2,4-Trimethylbenzene	105	14.160	14.162	(0.966)	661891	44.1033	44.1
89 P-Isopropyltoluene	119	14.508	14.522	(0.990)	575162	47.9574	48.0
90 1,3-Dichlorobenzene	146	14.554	14.557	(0.993)	372952	46.1778	46.2
* 91 1,4-Dichlorobenzene-D4	152	14.659	14.662	(1.000)	267544	50.0000	
92 1,4-Dichlorobenzene	146	14.682	14.685	(1.002)	382641	46.1211	46.1
93 N-Butylbenzene	91	15.100	15.103	(1.030)	541034	43.7712	43.8
94 sec-Butylbenzene	105	14.299	14.302	(0.975)	707320	43.2631	43.3
95 1,2-Dichlorobenzene	146	15.251	15.265	(1.040)	344063	45.0759	45.1
96 1,2-Dibromo-3-Chloropropane	75	16.411	16.414	(1.120)	30056	40.0903	40.1
97 1,3,5-Trichlorobenzene	180	16.469	16.472	(1.123)	233882	42.3746	42.4
98 Hexachlorobutadiene	225	17.409	17.412	(1.188)	77678	39.5780	39.6
99 1,2,4-Trichlorobenzene	180	17.409	17.424	(1.188)	169453	39.0315	39.0
100 1,2,3-Trimethylbenzene	105	14.740	14.754	(1.006)	644777	44.2281	44.2
101 Naphthalene	128	17.897	17.900	(1.221)	200061	37.0788	37.1
102 1,2,3-Trichlorobenzene	180	18.164	18.167	(1.239)	89016	32.2914	32.3(R)
103 Methyl Acetate	43	3.238	3.253	(0.500)	146972	42.7495	42.7
104 Methylcyclohexane	83	7.428	7.431	(1.147)	205433	41.4202	41.4(R)
M 153 Total Alkylbenzenes	100				4666851	315.163	315

QC Flag Legend

R - Spike/Surrogate failed recovery limits.
M - Compound response manually integrated.

Data File: \\Target_server\GG\chem\gcms-f.i\F012108B.b\F8744.D
Report Date: 30-Jan-2008 09:23

Katahdin Analytical Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcms-f.i
Lab File ID: F8744.D
Lab Smp Id: WG47623-1
Analysis Type: VOA
Quant Type: ISTD
Operator: JSS
Method File: \\Target_server\GG\chem\gcms-f.i\F012108B.b\F826a99.m
Misc Info: SW846 8260B

Calibration Date: 21-JAN-2008
Calibration Time: 10:04
Client Smp ID: WG47623-LCS
Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 4

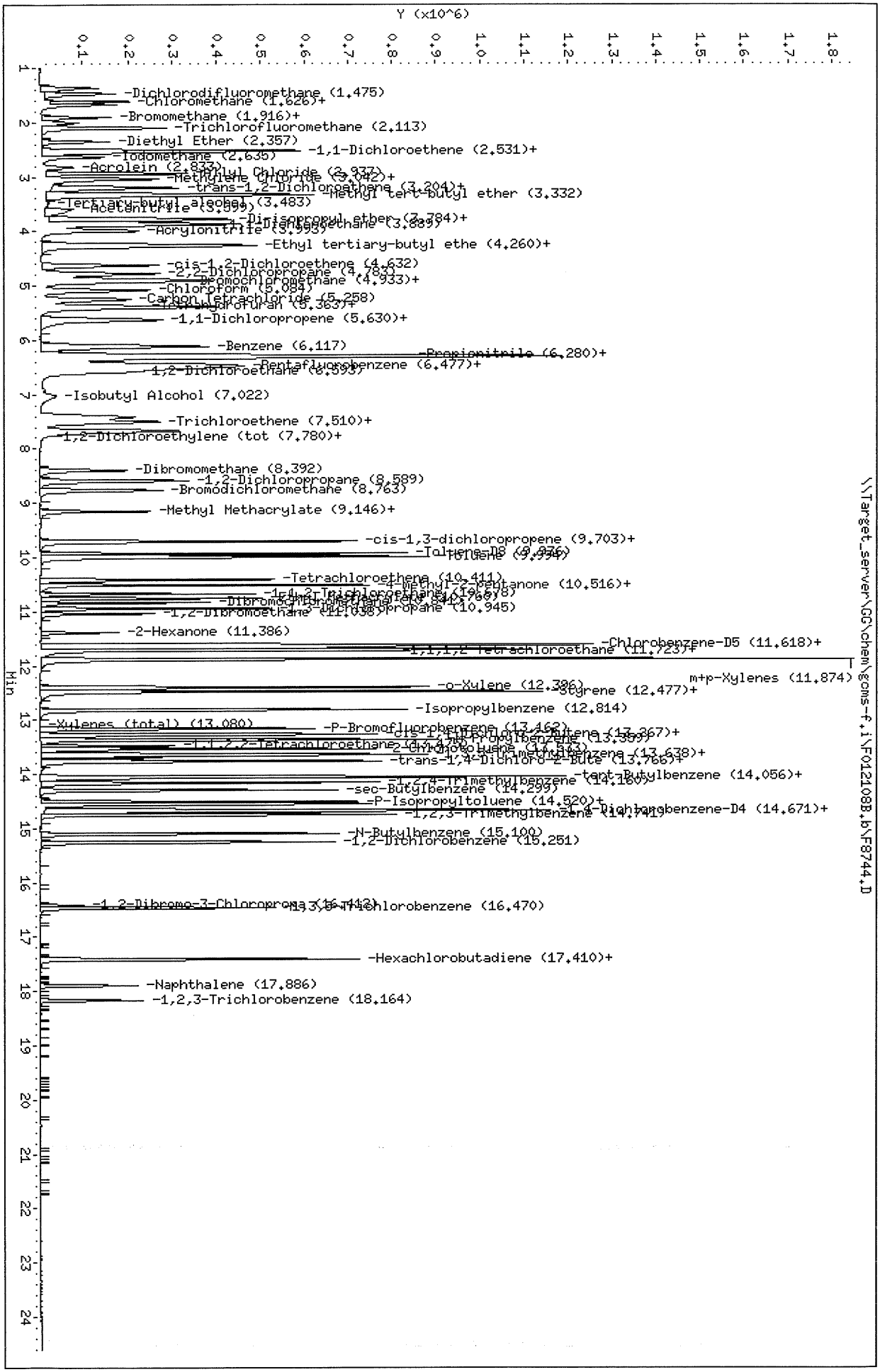
COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	535128	267564	1070256	461062	-13.84
49 1,4-Difluorobenze	685783	342892	1371566	588620	-14.17
66 Chlorobenzene-D5	571710	285855	1143420	490922	-14.13
91 1,4-Dichlorobenze	309249	154625	618498	267544	-13.49

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	6.48	5.98	6.98	6.48	-0.03
49 1,4-Difluorobenze	7.69	7.19	8.19	7.68	-0.02
66 Chlorobenzene-D5	11.61	11.11	12.11	11.62	0.08
91 1,4-Dichlorobenze	14.66	14.16	15.16	14.66	-0.01

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.

Data File: \\Target_server\GC\chem\gcms-f.i\F012108B.b\F8744.D
Date : 21-JAN-2008 13:59
Client ID: WG47623-LCS
Sample Info: WG47623-1
Purge Volume: 5.0
Column phase: RTX-VMS

Instrument: gcms-f.i
Operator: JSS
Column diameter: 0.18



KATAHDIN ANALYTICAL SERVICES
LAB CONTROL SAMPLE

Client:
Project: CTO 426 NLON
PO No:
Sample Date:
Received Date:
Extraction Date:
Analysis Date: 01/17/08
Report Date: 01/30/2008
Matrix: WATER

Lab ID: WG47521-1
Client ID: WG47521-LCS
SDG: CTO426-1
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG47521
Units: ug/l

COMPOUND	LCS SPIKE	SAMPLE CONC.	LCS CONC.	%REC.	QC. LIMITS
Dichlorodifluoromethane	50	NA	71	143	20-143
Chloromethane	50	NA	59	118	34-132
Vinyl chloride	50	NA	59	119	48-136
Bromomethane	50	NA	54	108	52-129
Chloroethane	50	NA	63	126	43-146
Trichlorofluoromethane	50	NA	56	112	62-157
Diethyl Ether	50	NA	52	104	74-141
Tertiary-butyl alcohol	250	NA	254	102	10-152
1,1-Dichloroethene	50	NA	55	110	64-126
Carbon Disulfide	50	NA	56	111	59-136
Freon-113	50	NA	57	115	78-140
Iodomethane	50	NA	48	95	54-107
Acrolein	250	NA	258	103	42-156
Methylene Chloride	50	NA	53	106	63-122
Acetone	50	NA	46	91	15-160
Isobutyl Alcohol	1000	NA	1010	101	10-169
trans-1,2-Dichloroethene	50	NA	58	116	65-128
Allyl Chloride	50	NA	52	105	64-150
Methyl tert-butyl ether	100	NA	111	111	71-140
Acetonitrile	500	NA	551	110	40-164
Di-isopropyl ether	50	NA	50	101	77-135
Chloroprene	50	NA	52	105	82-133
Methacrylonitrile	500	NA	495	99	69-146
Propionitrile	500	NA	527	105	51-161
1,1-Dichloroethane	50	NA	54	108	74-135
Acrylonitrile	250	NA	259	104	67-144
Ethyl tertiary-butyl ether	50	NA	53	107	79-136
Vinyl Acetate	50	NA	53	107	57-139
cis-1,2-Dichloroethene	50	NA	54	107	75-117
1,2-Dichloroethylene (total)	100	NA	112	112	72-121
Methyl Methacrylate	50	NA	55	109	71-136
2,2-Dichloropropane	50	NA	52	104	55-140
Bromochloromethane	50	NA	57	114	80-132
Chloroform	50	NA	55	110	80-125
Carbon Tetrachloride	50	NA	54	109	76-123
Tetrahydrofuran	50	NA	51	103	38-157
1,1,1-Trichloroethane	50	NA	53	107	79-125
1,1-Dichloropropene	50	NA	51	103	80-125
2-Butanone	50	NA	53	105	45-184
Benzene	50	NA	54	108	71-125
Cyclohexane	50	NA	53	106	57-128
Ethyl Methacrylate	50	NA	50	100	73-134
Tertiary-amyl methyl ether	50	NA	51	102	78-133
1,2-Dichloroethane	50	NA	50	100	75-125
Trichloroethene	50	NA	52	103	78-118

KATAHDIN ANALYTICAL SERVICES
LAB CONTROL SAMPLE

Client:
Project: CTO 426 NLON
PO No:
Sample Date:
Received Date:
Extraction Date:
Analysis Date: 01/17/08
Report Date: 01/30/2008
Matrix: WATER

Lab ID: WG47521-1
Client ID: WG47521-LCS
SDG: CTO426-1
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG47521
Units: ug/l

COMPOUND	LCS SPIKE	SAMPLE CONC.	LCS CONC.		%REC.	QC. LIMITS
Dibromomethane	50	NA	52		104	73-125
1,2-Dichloropropane	50	NA	49		97	78-127
Bromodichloromethane	50	NA	50		101	76-118
cis-1,3-dichloropropene	50	NA	55		110	84-125
1,4-Dioxane	1000	NA	628		63	10-178
2-Chloroethylvinylether	50	NA	94		188	20-191
Toluene	50	NA	56		112	79-118
4-methyl-2-pentanone	50	NA	56		112	44-157
Tetrachloroethene	50	NA	51		102	71-137
trans-1,3-Dichloropropene	50	NA	56		113	89-137
1,1,2-Trichloroethane	50	NA	50		99	76-125
Dibromochloromethane	50	NA	53		107	77-119
1,3-Dichloropropane	50	NA	52		105	79-122
1,2-Dibromoethane	50	NA	51		103	78-124
2-Hexanone	50	NA	55		110	27-182
Chlorobenzene	50	NA	51		103	81-118
Ethylbenzene	50	NA	51		102	80-115
1,1,1,2-Tetrachloroethane	50	NA	56		112	79-118
Xylenes (total)	150	NA	162		108	85-114
m+p-Xylenes	100	NA	108		108	87-113
o-Xylene	50	NA	54		109	80-118
Styrene	50	NA	54		109	81-116
Bromoform	50	NA	55		110	69-129
Isopropylbenzene	50	NA	64		128	87-129
cis-1,4-Dichloro-2-Butene	50	NA	55		109	60-133
trans-1,4-Dichloro-2-Butene	50	NA	54		107	67-134
Bromobenzene	50	NA	53		106	83-112
N-Propylbenzene	50	NA	55		111	79-121
1,1,2,2-Tetrachloroethane	50	NA	50		100	68-133
1,3,5-Trimethylbenzene	50	NA	60	*	119	80-117
2-Chlorotoluene	50	NA	54		108	86-113
1,2,3-Trichloropropane	50	NA	51		102	63-133
4-Chlorotoluene	50	NA	55		109	84-117
tert-Butylbenzene	50	NA	56		112	78-122
Pentachloroethane	50	NA	50		101	64-135
1,2,4-Trimethylbenzene	50	NA	53		106	78-116
P-Isopropyltoluene	50	NA	57		115	79-123
1,3-Dichlorobenzene	50	NA	55		111	86-111
1,4-Dichlorobenzene	50	NA	57		113	78-118
N-Butylbenzene	50	NA	56		112	76-119
sec-Butylbenzene	50	NA	56		112	77-121
1,2-Dichlorobenzene	50	NA	56		113	86-113
1,2-Dibromo-3-Chloropropane	50	NA	50		99	63-133
1,3,5-Trichlorobenzene	50	NA	52		105	84-118
Hexachlorobutadiene	50	NA	52		103	70-114

KATAHDIN ANALYTICAL SERVICES
LAB CONTROL SAMPLE

Client:
Project: CTO 426 NLON
PO No:
Sample Date:
Received Date:
Extraction Date:
Analysis Date: 01/17/08
Report Date: 01/30/2008
Matrix: WATER

Lab ID: WG47521-1
Client ID: WG47521-LCS
SDG: CTO426-1
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG47521
Units: ug/l

COMPOUND	LCS SPIKE	SAMPLE CONC.	LCS CONC.	%REC.	QC. LIMITS
1,2,4-Trichlorobenzene	50	NA	54	108	74-116
1,2,3-Trimethylbenzene	50	NA	56	113	85-124
Naphthalene	50	NA	50	101	64-121
1,2,3-Trichlorobenzene	50	NA	51	101	73-117
Methyl Acetate	50	NA	52	105	52-142
Methylcyclohexane	50	NA	60	121	83-125
1-Chlorohexane	50	NA	58	116	78-128
Total Alkylbenzenes	350	NA	394	112	60-140

Data File: \\Target_server\GG\chem\gcms-s.i\S011708.b\S8699.D
Report Date: 30-Jan-2008 09:49

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gcms-s.i\S011708.b\S8699.D
Lab Smp Id: WG47521-1 Client Smp ID: WG47521-LCS
Inj Date : 17-JAN-2008 09:16 MS Autotune Date: 21-NOV-2007 15:16
Operator : SKT Inst ID: gcms-s.i
Smp Info : WG47521-1
Misc Info : SW846 8260B
Comment :
Method : \\Target_server\GG\chem\gcms-s.i\S011708.b\s826a48.m
Meth Date : 17-Jan-2008 08:54 sthompson Quant Type: ISTD
Cal Date : 16-JAN-2008 19:34 Cal File: S8696.D
Als bottle: 11 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.12
Processing Host: MIS_2

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)
1 Dichlorodifluoromethane	85	2.124	2.124	(0.233)	465180	71.4141	71.4
2 Chloromethane	50	2.345	2.357	(0.257)	449031	58.7621	58.8
3 Vinyl chloride	62	2.438	2.450	(0.268)	364042	59.4083	59.4
4 Bromomethane	94	2.822	2.834	(0.310)	238559	54.1123	54.1
5 Chloroethane	64	2.973	2.985	(0.326)	173607	63.0630	63.1
6 Trichlorofluoromethane	101	3.136	3.148	(0.344)	484834	56.0127	56.0
7 Diethyl Ether	59	3.531	3.543	(0.388)	225397	51.9312	51.9
8 Tertiary-butyl alcohol	59	5.380	5.380	(0.590)	108683	254.526	254
9 1,1-Dichloroethene	96	3.787	3.799	(0.416)	245244	54.9251	54.9
10 Carbon Disulfide	76	3.822	3.834	(0.419)	771772	55.6427	55.6
11 Freon-113	151	3.857	3.869	(0.423)	219449	57.3950	57.4
12 Iodomethane	142	3.985	3.997	(0.437)	360791	47.5149	47.5
13 Acrolein	56	4.287	4.299	(0.470)	253613	258.040	258
14 Methylene Chloride	84	4.648	4.659	(0.510)	290702	53.0281	53.0
15 Acetone	43	4.764	4.776	(0.523)	104425	45.6982	45.7
16 Isobutyl Alcohol	43	9.416	9.428	(1.033)	183398	1007.67	1010
17 trans-1,2-Dichloroethene	96	4.904	4.915	(0.538)	289062	57.9720	58.0
18 Allyl Chloride	41	4.485	4.497	(0.492)	478066	52.3136	52.3
19 Methyl tert-butyl ether	73	5.113	5.125	(0.561)	1732702	110.714	111
20 Acetonitrile	39	5.578	5.590	(0.612)	92137	551.252	551
21 Di-isopropyl ether	45	5.846	5.857	(0.641)	1099847	50.5407	50.5
22 Chloroprene	53	5.973	5.985	(0.655)	491843	52.2700	52.3
23 Propionitrile	54	8.997	9.009	(0.987)	424882	527.249	527

Data File: \\Target_server\GG\chem\gcms-s.i\S011708.b\S8699.D
Report Date: 30-Jan-2008 09:49

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	FINAL (ug/l)
	24 Methacrylonitrile	41	9.020	9.032	(0.990)	2193492	494.755	495
	25 1,1-Dichloroethane	63	6.020	6.032	(0.661)	530580	54.1779	54.2
	26 Acrylonitrile	52	6.160	6.183	(0.676)	544872	258.816	259
	27 Ethyl tertiary-butyl ether	59	6.613	6.625	(0.726)	1003981	53.3501	53.4
	28 Vinyl Acetate	43	6.636	6.648	(0.675)	783014	53.3434	53.3
	29 cis-1,2-Dichloroethene	96	7.218	7.241	(0.792)	314173	53.5961	53.6
M	30 1,2-Dichloroethylene (total)	96				603235	111.568	112
	31 Methyl Methacrylate	41	10.707	10.719	(1.089)	350006	54.6205	54.6
	32 2,2-Dichloropropane	77	7.439	7.462	(0.816)	446868	52.0004	52.0
	33 Bromochloromethane	128	7.660	7.672	(0.840)	174426	57.0210	57.0
	34 Chloroform	83	7.869	7.893	(0.863)	562563	55.2364	55.2
	35 Carbon Tetrachloride	117	8.078	8.090	(0.821)	359622	54.3974	54.4
	36 Tetrahydrofuran	42	8.183	8.195	(0.898)	94494	51.4173	51.4
$	37 Dibromofluoromethane	113	8.241	8.265	(0.904)	289106	40.7310	40.7
	38 1,1,1-Trichloroethane	97	8.230	8.241	(0.903)	447214	53.2781	53.3
	39 1,1-Dichloropropene	75	8.474	8.486	(0.862)	397600	51.3573	51.4
	40 2-Butanone	43	8.520	8.532	(0.935)	166354	52.6201	52.6
	41 Benzene	78	8.893	8.904	(0.904)	1119966	54.2495	54.2
*	42 Pentafluorobenzene	168	9.113	9.125	(1.000)	629055	50.0000	
	43 Cyclohexane	56	7.613	7.637	(0.835)	374690	53.1993	53.2
	44 Ethyl Methacrylate	69	12.160	12.161	(1.236)	366627	50.1033	50.1
$	45 1,2-Dichloroethane-D4	65	9.125	9.137	(1.001)	318158	42.5051	42.5
	46 Tertiary-amyl methyl ether	73	9.148	9.160	(1.004)	806541	50.9292	50.9
	47 1,2-Dichloroethane	62	9.230	9.242	(0.939)	456666	50.0944	50.1
	48 Trichloroethene	95	9.765	9.777	(0.993)	297353	51.7362	51.7
*	49 1,4-Difluorobenzene	114	9.835	9.846	(1.000)	928474	50.0000	
	50 Dibromomethane	93	10.288	10.288	(1.046)	227705	52.1539	52.2
	51 1,2-Dichloropropane	63	10.404	10.416	(1.058)	270772	48.6035	48.6
	52 Bromodichloromethane	83	10.497	10.509	(1.067)	422077	50.2942	50.3
	53 cis-1,3-dichloropropene	75	11.195	11.195	(1.138)	480969	54.8854	54.9
	54 1,4-Dioxane	88	10.742	10.753	(1.092)	43423	628.302	628
$	55 Toluene-D8	98	11.381	11.393	(1.157)	817392	44.7222	44.7
	56 2-Chloroethylvinylether	63	11.149	11.160	(1.134)	168367	93.7894	93.8
	57 Toluene	92	11.439	11.451	(1.163)	664608	56.1489	56.1
	58 4-methyl-2-pentanone	43	11.905	11.916	(1.210)	353896	56.1530	56.2
	59 Tetrachloroethene	164	11.881	11.893	(0.895)	259989	51.1317	51.1
	60 trans-1,3-Dichloropropene	75	11.940	11.951	(1.214)	460062	56.5238	56.5
	61 1,1,2-Trichloroethane	83	12.137	12.149	(1.234)	222246	49.5306	49.5
	62 Dibromochloromethane	129	12.347	12.358	(0.930)	361609	53.4160	53.4
	63 1,3-Dichloropropane	76	12.463	12.475	(0.939)	458241	52.3066	52.3
	64 1,2-Dibromoethane	107	12.626	12.637	(1.284)	327315	51.3997	51.4
	65 2-Hexanone	43	12.940	12.951	(0.975)	246371	55.0596	55.0
*	66 Chlorobenzene-D5	117	13.277	13.289	(1.000)	754993	50.0000	
	67 Chlorobenzene	112	13.300	13.312	(1.002)	678595	51.3725	51.4
	152 1-Chlorohexane	91	13.277	13.289	(1.457)	364096	57.7738	57.8
	68 Ethylbenzene	91	13.335	13.347	(1.004)	1178793	50.9552	51.0
	69 1,1,1,2-Tetrachloroethane	131	13.382	13.393	(1.008)	303634	56.2240	56.2
M	70 Xylenes (total)	106				1332218	162.144	162
	71 m+p-Xylenes	106	13.533	13.533	(1.019)	892614	107.874	108
	72 o-Xylene	106	14.079	14.091	(1.060)	439604	54.2703	54.3
	73 Styrene	104	14.149	14.161	(1.066)	756024	54.3970	54.4
	74 Bromoform	173	14.184	14.196	(1.068)	267479	54.8278	54.8
	75 Isopropylbenzene	105	14.498	14.510	(0.883)	1099484	64.0703	64.1
$	76 P-Bromofluorobenzene	95	14.870	14.882	(1.512)	321198	41.9961	42.0

Data File: \\Target_server\GG\chem\gcms-s.i\S011708.b\S8699.D
Report Date: 30-Jan-2008 09:49

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	FINAL (ug/l)
77 cis-1,4-Dichloro-2-Butene	53	14.975	14.975	(0.912)	106247	54.7001	54.7
78 trans-1,4-Dichloro-2-Butene	53	15.405	15.405	(0.938)	109014	53.6940	53.7
79 Bromobenzene	156	15.010	15.022	(0.914)	343874	52.9661	53.0
80 N-Propylbenzene	91	15.056	15.068	(0.917)	1307213	55.3837	55.4
81 1,1,2,2-Tetrachloroethane	83	15.161	15.173	(0.923)	349318	49.7974	49.8
82 1,3,5-Trimethylbenzene	105	15.324	15.336	(0.933)	868728	59.6082	59.6(R)
83 2-Chlorotoluene	91	15.266	15.266	(0.930)	840810	53.8928	53.9
84 1,2,3-Trichloropropane	75	15.335	15.347	(0.934)	277694	51.1217	51.1
85 4-Chlorotoluene	91	15.487	15.498	(0.943)	869191	54.7142	54.7
86 tert-Butylbenzene	119	15.766	15.766	(0.960)	840173	56.1932	56.2
87 Pentachloroethane	117	15.789	15.801	(0.962)	209701	50.3768	50.4
88 1,2,4-Trimethylbenzene	105	15.859	15.871	(0.966)	873739	52.8672	52.9
89 P-Isopropyltoluene	119	16.219	16.231	(0.988)	761572	57.4552	57.4
90 1,3-Dichlorobenzene	146	16.312	16.324	(0.994)	586919	55.3446	55.3
* 91 1,4-Dichlorobenzene-D4	152	16.417	16.428	(1.000)	416142	50.0000	
92 1,4-Dichlorobenzene	146	16.440	16.452	(1.001)	592161	56.5904	56.6
93 N-Butylbenzene	91	16.824	16.824	(1.025)	619188	56.1876	56.2
94 sec-Butylbenzene	105	16.010	16.021	(0.975)	923367	55.8773	55.9
95 1,2-Dichlorobenzene	146	17.045	17.045	(1.038)	570513	56.3390	56.3
96 1,2-Dibromo-3-Chloropropane	75	18.220	18.231	(1.110)	67837	49.6475	49.6
97 1,3,5-Trichlorobenzene	180	18.266	18.278	(1.113)	367311	52.5057	52.5
98 Hexachlorobutadiene	225	19.208	19.220	(1.170)	108308	51.4719	51.5
99 1,2,4-Trichlorobenzene	180	19.243	19.255	(1.172)	313339	53.8752	53.9
100 1,2,3-Trimethylbenzene	105	16.475	16.486	(1.004)	928665	56.3832	56.4
101 Naphthalene	128	19.743	19.743	(1.203)	695438	50.5134	50.5
102 1,2,3-Trichlorobenzene	180	20.022	20.034	(1.220)	267648	50.7130	50.7
103 Methyl Acetate	43	4.962	4.985	(0.544)	302090	52.3687	52.4
104 Methylcyclohexane	83	9.730	9.742	(1.068)	358319	60.3847	60.4
M 153 Total Alkylbenzenes	100				6193980	393.572	394

QC Flag Legend

R - Spike/Surrogate failed recovery limits.

Data File: \\Target_server\GG\chem\gcms-s.i\S011708.b\S8699.D
Report Date: 30-Jan-2008 09:49

Katahdin Analytical Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcms-s.i
Lab File ID: S8699.D
Lab Smp Id: WG47521-1
Analysis Type: VOA
Quant Type: ISTD
Operator: SKT
Method File: \\Target_server\GG\chem\gcms-s.i\S011708.b\s826a48.m
Misc Info: SW846 8260B

Calibration Date: 17-JAN-2008
Calibration Time: 08:35
Client Smp ID: WG47521-LCS
Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 4

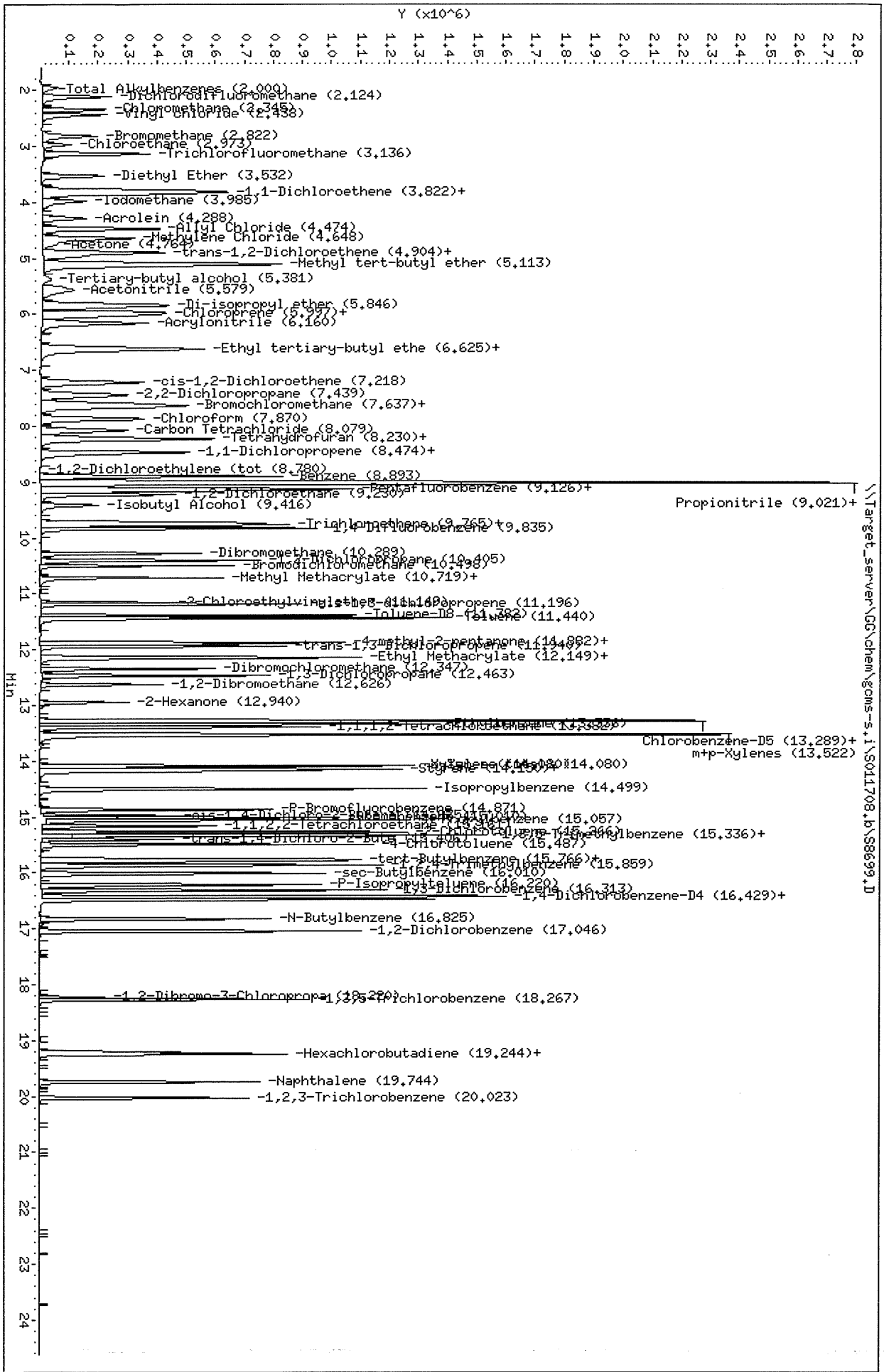
COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	628556	314278	1257112	629055	0.08
49 1,4-Difluorobenze	887687	443844	1775374	928474	4.59
66 Chlorobenzene-D5	767984	383992	1535968	754993	-1.69
91 1,4-Dichlorobenze	413885	206943	827770	416142	0.55

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	9.12	8.62	9.62	9.11	-0.06
49 1,4-Difluorobenze	9.83	9.33	10.33	9.84	0.06
66 Chlorobenzene-D5	13.27	12.77	13.77	13.28	0.05
91 1,4-Dichlorobenze	16.42	15.92	16.92	16.42	-0.03

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.

Data File: \\Target_server\GC\chem\gcms-s.i\S011708.b\S8699.D
Date : 17-JAN-2008 09:16
Client ID: WG47521-LCS
Sample Info: WG47521-1
Purge Volume: 5.0
Column phase: RTX-VMS

Instrument: gcms-s.i
Operator: SKT
Column diameter: 0.18



KATAHDIN ANALYTICAL SERVICES
LAB CONTROL SAMPLE

Client:
Project: CTO 426 NLON
PO No:
Sample Date:
Received Date:
Extraction Date:
Analysis Date: 01/18/08
Report Date: 01/30/2008
Matrix: WATER

Lab ID: WG47570-1
Client ID: WG47570-LCS
SDG: CTO426-1
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG47570
Units: ug/l

COMPOUND	LCS SPIKE	SAMPLE CONC.	LCS CONC.	%REC.	QC. LIMITS
Dichlorodifluoromethane	50	NA	61	122	20-143
Chloromethane	50	NA	50	100	34-132
Vinyl chloride	50	NA	55	110	48-136
Bromomethane	50	NA	49	97	52-129
Chloroethane	50	NA	55	109	43-146
Trichlorofluoromethane	50	NA	51	103	62-157
Diethyl Ether	50	NA	47	94	74-141
Tertiary-butyl alcohol	250	NA	239	96	10-152
1,1-Dichloroethene	50	NA	49	97	64-126
Carbon Disulfide	50	NA	49	97	59-136
Freon-113	50	NA	52	103	78-140
Iodomethane	50	NA	41	83	54-107
Acrolein	250	NA	228	91	42-156
Methylene Chloride	50	NA	47	94	63-122
Acetone	50	NA	43	86	15-160
Isobutyl Alcohol	1000	NA	994	99	10-169
trans-1,2-Dichloroethene	50	NA	51	103	65-128
Allyl Chloride	50	NA	47	94	64-150
Methyl tert-butyl ether	100	NA	97	97	71-140
Acetonitrile	500	NA	481	96	40-164
Di-isopropyl ether	50	NA	42	84	77-135
Chloroprene	50	NA	45	90	82-133
Methacrylonitrile	500	NA	434	87	69-146
Propionitrile	500	NA	466	93	51-161
1,1-Dichloroethane	50	NA	46	92	74-135
Acrylonitrile	250	NA	229	92	67-144
Ethyl tertiary-butyl ether	50	NA	44	89	79-136
Vinyl Acetate	50	NA	49	99	57-139
cis-1,2-Dichloroethene	50	NA	44	88	75-117
1,2-Dichloroethylene (total)	100	NA	96	96	72-121
Methyl Methacrylate	50	NA	47	94	71-136
2,2-Dichloropropane	50	NA	48	95	55-140
Bromochloromethane	50	NA	48	97	80-132
Chloroform	50	NA	48	96	80-125
Carbon Tetrachloride	50	NA	52	104	76-123
Tetrahydrofuran	50	NA	46	92	38-157
1,1,1-Trichloroethane	50	NA	48	96	79-125
1,1-Dichloropropene	50	NA	49	98	80-125
2-Butanone	50	NA	43	86	45-184
Benzene	50	NA	48	97	71-125
Cyclohexane	50	NA	45	90	57-128
Ethyl Methacrylate	50	NA	49	99	73-134
Tertiary-amyl methyl ether	50	NA	45	90	78-133
1,2-Dichloroethane	50	NA	49	97	75-125
Trichloroethene	50	NA	47	94	78-118

Katahdin Analytical Services 1000305

KATAHDIN ANALYTICAL SERVICES
LAB CONTROL SAMPLE

Client:
Project: CTO 426 NLON
PO No:
Sample Date:
Received Date:
Extraction Date:
Analysis Date: 01/18/08
Report Date: 01/30/2008
Matrix: WATER

Lab ID: WG47570-1
Client ID: WG47570-LCS
SDG: CTO426-1
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG47570
Units: ug/l

COMPOUND	LCS SPIKE	SAMPLE CONC.	LCS CONC.	%REC.	QC. LIMITS
Dibromomethane	50	NA	50	99	73-125
1,2-Dichloropropane	50	NA	47	94	78-127
Bromodichloromethane	50	NA	47	94	76-118
cis-1,3-dichloropropene	50	NA	53	107	84-125
1,4-Dioxane	1000	NA	605	60	10-178
2-Chloroethylvinylether	50	NA	89	179	20-191
Toluene	50	NA	51	102	79-118
4-methyl-2-pentanone	50	NA	51	102	44-157
Tetrachloroethene	50	NA	44	87	71-137
trans-1,3-Dichloropropene	50	NA	57	114	89-137
1,1,2-Trichloroethane	50	NA	47	95	76-125
Dibromochloromethane	50	NA	49	97	77-119
1,3-Dichloropropane	50	NA	46	93	79-122
1,2-Dibromoethane	50	NA	47	94	78-124
2-Hexanone	50	NA	48	95	27-182
Chlorobenzene	50	NA	50	99	81-118
Ethylbenzene	50	NA	47	94	80-115
1,1,1,2-Tetrachloroethane	50	NA	50	99	79-118
Xylenes (total)	150	NA	145	97	85-114
m+p-Xylenes	100	NA	97	97	87-113
o-Xylene	50	NA	48	96	80-118
Styrene	50	NA	49	98	81-116
Bromoform	50	NA	50	99	69-129
Isopropylbenzene	50	NA	66	* 131	87-129
cis-1,4-Dichloro-2-Butene	50	NA	46	93	60-133
trans-1,4-Dichloro-2-Butene	50	NA	49	97	67-134
Bromobenzene	50	NA	51	101	83-112
N-Propylbenzene	50	NA	52	104	79-121
1,1,2,2-Tetrachloroethane	50	NA	50	101	68-133
1,3,5-Trimethylbenzene	50	NA	58	117	80-117
2-Chlorotoluene	50	NA	52	105	86-113
1,2,3-Trichloropropane	50	NA	51	102	63-133
4-Chlorotoluene	50	NA	52	103	84-117
tert-Butylbenzene	50	NA	55	109	78-122
Pentachloroethane	50	NA	52	104	64-135
1,2,4-Trimethylbenzene	50	NA	54	107	78-116
P-Isopropyltoluene	50	NA	56	112	79-123
1,3-Dichlorobenzene	50	NA	51	102	86-111
1,4-Dichlorobenzene	50	NA	51	102	78-118
N-Butylbenzene	50	NA	52	104	76-119
sec-Butylbenzene	50	NA	59	118	77-121
1,2-Dichlorobenzene	50	NA	54	107	86-113
1,2-Dibromo-3-Chloropropane	50	NA	48	96	63-133
1,3,5-Trichlorobenzene	50	NA	48	97	84-118
Hexachlorobutadiene	50	NA	49	98	70-114

KATAHDIN ANALYTICAL SERVICES
LAB CONTROL SAMPLE

Client:
Project: CTO 426 NLON
PO No:
Sample Date:
Received Date:
Extraction Date:
Analysis Date: 01/18/08
Report Date: 01/30/2008
Matrix: WATER

Lab ID: WG47570-1
Client ID: WG47570-LCS
SDG: CTO426-1
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG47570
Units: ug/l

COMPOUND	LCS SPIKE	SAMPLE CONC.	LCS CONC.	%REC.	QC. LIMITS
1,2,4-Trichlorobenzene	50	NA	49	97	74-116
1,2,3-Trimethylbenzene	50	NA	50	100	85-124
Naphthalene	50	NA	47	94	64-121
1,2,3-Trichlorobenzene	50	NA	49	97	73-117
Methyl Acetate	50	NA	46	92	52-142
Methylcyclohexane	50	NA	53	106	83-125
1-Chlorohexane	50	NA	46	92	78-128
Total Alkylbenzenes	350	NA	385	110	60-140

Data File: \\Target_server\GG\chem\gcms-s.i\S011808B.b\S8735.D
Report Date: 30-Jan-2008 10:17

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gcms-s.i\S011808B.b\S8735.D
Lab Smp Id: WG47570-1 Client Smp ID: WG47570-LCS
Inj Date : 18-JAN-2008 11:18 MS Autotune Date: 21-NOV-2007 15:16
Operator : SKT Inst ID: gcms-s.i
Smp Info : WG47570-1
Misc Info : SW846 8260B
Comment :
Method : \\Target_server\GG\chem\gcms-s.i\S011808B.b\s826a48.m
Meth Date : 18-Jan-2008 10:08 jsampson Quant Type: ISTD
Cal Date : 16-JAN-2008 19:34 Cal File: S8696.D
Als bottle: 12 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.12
Processing Host: MIS_2

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)
1 Dichlorodifluoromethane	85	2.139	2.124	(0.234)	391524	61.1441	61.1
2 Chloromethane	50	2.371	2.357	(0.259)	377874	49.9807	50.0
3 Vinyl chloride	62	2.453	2.450	(0.268)	332873	54.9046	54.9
4 Bromomethane	94	2.848	2.834	(0.311)	212013	48.6068	48.6
5 Chloroethane	64	2.999	2.985	(0.328)	148580	54.5929	54.6
6 Trichlorofluoromethane	101	3.162	3.148	(0.346)	437945	51.2684	51.3
7 Diethyl Ether	59	3.558	3.543	(0.389)	201303	46.8775	46.9
8 Tertiary-butyl alcohol	59	5.407	5.380	(0.591)	100811	238.623	239
9 1,1-Dichloroethene	96	3.825	3.799	(0.418)	214877	48.6404	48.6
10 Carbon Disulfide	76	3.848	3.834	(0.421)	668194	48.6918	48.7
11 Freon-113	151	3.883	3.869	(0.424)	195117	51.5786	51.6
12 Iodomethane	142	4.023	3.997	(0.440)	308946	41.4126	41.4
13 Acrolein	56	4.314	4.299	(0.471)	221663	227.952	228
14 Methylene Chloride	84	4.686	4.659	(0.512)	254336	46.8568	46.8
15 Acetone	43	4.802	4.776	(0.525)	97179	42.9835	43.0
16 Isobutyl Alcohol	43	9.442	9.428	(1.032)	178912	993.564	994
17 trans-1,2-Dichloroethene	96	4.942	4.915	(0.540)	253037	51.2915	51.3
18 Allyl Chloride	41	4.511	4.497	(0.493)	424214	46.9048	46.9
19 Methyl tert-butyl ether	73	5.151	5.125	(0.563)	1501680	96.9814	97.0
20 Acetonitrile	39	5.616	5.590	(0.614)	79824	481.055	481
21 Di-isopropyl ether	45	5.884	5.857	(0.643)	905611	42.0615	42.1
22 Chloroprene	53	6.023	5.985	(0.658)	416812	44.7714	44.8
23 Propionitrile	54	9.024	9.009	(0.986)	371686	466.185	466

Data File: \\Target_server\GG\chem\gcms-s.i\S011808B.b\S8735.D
Report Date: 30-Jan-2008 10:17

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	FINAL (ug/l)
	24 Methacrylonitrile	41	9.047	9.032	(0.989)	1903909	434.045	434
	25 1,1-Dichloroethane	63	6.070	6.032	(0.663)	447724	46.2078	46.2
	26 Acrylonitrile	52	6.209	6.183	(0.678)	477595	229.293	229
	27 Ethyl tertiary-butyl ether	59	6.663	6.625	(0.728)	827413	44.4392	44.4
	28 Vinyl Acetate	43	6.686	6.648	(0.678)	670398	49.3691	49.4
	29 cis-1,2-Dichloroethene	96	7.268	7.241	(0.794)	256615	44.2467	44.2
M	30 1,2-Dichloroethylene (total)	96				509652	95.5382	95.5
	31 Methyl Methacrylate	41	10.733	10.719	(1.088)	278961	47.0582	47.0
	32 2,2-Dichloropropane	77	7.500	7.462	(0.820)	404302	47.6149	47.6
	33 Bromochloromethane	128	7.710	7.672	(0.842)	146498	48.4049	48.4
	34 Chloroform	83	7.919	7.893	(0.865)	485599	48.1910	48.2
	35 Carbon Tetrachloride	117	8.128	8.090	(0.824)	319373	52.2206	52.2
	36 Tetrahydrofuran	42	8.233	8.195	(0.900)	83266	45.7939	45.8
$	37 Dibromofluoromethane	113	8.279	8.265	(0.905)	281712	40.1151	40.1
	38 1,1,1-Trichloroethane	97	8.268	8.241	(0.903)	397835	47.9039	47.9
	39 1,1-Dichloropropene	75	8.512	8.486	(0.863)	351292	49.0496	49.0
	40 2-Butanone	43	8.559	8.532	(0.935)	133953	42.8258	42.8
	41 Benzene	78	8.931	8.904	(0.906)	924040	48.3830	48.4
*	42 Pentafluorobenzene	168	9.152	9.125	(1.000)	622378	50.0000	
	43 Cyclohexane	56	7.663	7.637	(0.837)	311820	44.9622	45.0
	44 Ethyl Methacrylate	69	12.187	12.161	(1.236)	334216	49.3720	49.4
$	45 1,2-Dichloroethane-D4	65	9.163	9.137	(1.001)	319283	43.1130	43.1
	46 Tertiary-amyl methyl ether	73	9.187	9.160	(1.004)	703086	44.8728	44.9
	47 1,2-Dichloroethane	62	9.256	9.242	(0.939)	410227	48.6436	48.6
	48 Trichloroethene	95	9.791	9.777	(0.993)	250860	47.1808	47.2
*	49 1,4-Difluorobenzene	114	9.861	9.846	(1.000)	858931	50.0000	
	50 Dibromomethane	93	10.315	10.288	(1.046)	200316	49.5954	49.6
	51 1,2-Dichloropropane	63	10.431	10.416	(1.058)	240953	46.7528	46.8
	52 Bromodichloromethane	83	10.524	10.509	(1.067)	365472	47.0752	47.1
	53 cis-1,3-dichloropropene	75	11.210	11.195	(1.137)	432065	53.2967	53.3
	54 1,4-Dioxane	88	10.768	10.753	(1.092)	38695	605.223	605
$	55 Toluene-D8	98	11.408	11.393	(1.157)	716176	42.3569	42.4
	56 2-Chloroethylvinylether	63	11.175	11.160	(1.133)	148504	89.4224	89.4
	57 Toluene	92	11.466	11.451	(1.163)	555750	50.7535	50.8
	58 4-methyl-2-pentanone	43	11.931	11.916	(1.210)	298454	51.1901	51.2
	59 Tetrachloroethene	164	11.908	11.893	(0.895)	211056	43.4610	43.5
	60 trans-1,3-Dichloropropene	75	11.966	11.951	(1.213)	427741	56.8077	56.8
	61 1,1,2-Trichloroethane	83	12.164	12.149	(1.234)	196824	47.4164	47.4
	62 Dibromochloromethane	129	12.373	12.358	(0.930)	314243	48.6032	48.6
	63 1,3-Dichloropropane	76	12.489	12.475	(0.939)	387649	46.3306	46.3
	64 1,2-Dibromoethane	107	12.652	12.637	(1.283)	276397	46.9180	46.9
	65 2-Hexanone	43	12.966	12.951	(0.975)	204038	47.7443	47.7
*	66 Chlorobenzene-D5	117	13.303	13.289	(1.000)	721068	50.0000	
	67 Chlorobenzene	112	13.327	13.312	(1.002)	625057	49.5458	49.5
	152 1-Chlorohexane	91	13.303	13.289	(1.454)	287796	46.1566	46.2
	68 Ethylbenzene	91	13.362	13.347	(1.004)	1038685	47.0112	47.0
	69 1,1,1,2-Tetrachloroethane	131	13.408	13.393	(1.008)	255856	49.6059	49.6
M	70 Xylenes (total)	106				1139670	145.227	145
	71 m+p-Xylenes	106	13.559	13.533	(1.019)	766624	97.0064	97.0
	72 o-Xylene	106	14.106	14.091	(1.060)	373046	48.2203	48.2
	73 Styrene	104	14.187	14.161	(1.066)	652728	49.1743	49.2
	74 Bromoform	173	14.211	14.196	(1.068)	230669	49.5071	49.5
	75 Isopropylbenzene	105	14.525	14.510	(0.883)	1020847	65.7006	65.7(R)
$	76 P-Bromofluorobenzene	95	14.897	14.882	(1.511)	320669	45.3215	45.3

Data File: \\Target_server\GG\chem\gcms-s.i\S011808B.b\S8735.D
Report Date: 30-Jan-2008 10:17

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	CONCENTRATIONS FINAL (ug/l)
77 cis-1,4-Dichloro-2-Butene	53	15.001	14.975	(0.912)	81490	46.3358	46.3
78 trans-1,4-Dichloro-2-Butene	53	15.432	15.405	(0.938)	89547	48.7120	48.7
79 Bromobenzene	156	15.036	15.022	(0.914)	297471	50.6040	50.6
80 N-Propylbenzene	91	15.083	15.068	(0.917)	1114614	52.1556	52.2
81 1,1,2,2-Tetrachloroethane	83	15.187	15.173	(0.924)	320690	50.4908	50.5
82 1,3,5-Trimethylbenzene	105	15.350	15.336	(0.934)	770864	58.4172	58.4
83 2-Chlorotoluene	91	15.292	15.266	(0.930)	738856	52.3039	52.3
84 1,2,3-Trichloropropane	75	15.362	15.347	(0.934)	250379	50.9070	50.9
85 4-Chlorotoluene	91	15.513	15.498	(0.943)	741215	51.5311	51.5
86 tert-Butylbenzene	119	15.792	15.766	(0.960)	739794	54.6470	54.6
87 Pentachloroethane	117	15.816	15.801	(0.962)	195173	51.7709	51.8
88 1,2,4-Trimethylbenzene	105	15.885	15.871	(0.966)	802121	53.6025	53.6
89 P-Isopropyltoluene	119	16.246	16.231	(0.988)	670039	55.8290	55.8
90 1,3-Dichlorobenzene	146	16.339	16.324	(0.994)	489848	51.0152	51.0
* 91 1,4-Dichlorobenzene-D4	152	16.444	16.428	(1.000)	376791	50.0000	
92 1,4-Dichlorobenzene	146	16.467	16.452	(1.001)	481444	50.8148	50.8
93 N-Butylbenzene	91	16.851	16.824	(1.025)	516394	51.7536	51.8
94 sec-Butylbenzene	105	16.036	16.021	(0.975)	879983	58.8134	58.8
95 1,2-Dichlorobenzene	146	17.072	17.045	(1.038)	492499	53.7143	53.7
96 1,2-Dibromo-3-Chloropropane	75	18.246	18.231	(1.110)	59383	47.9992	48.0
97 1,3,5-Trichlorobenzene	180	18.293	18.278	(1.112)	307045	48.4748	48.5
98 Hexachlorobutadiene	225	19.235	19.220	(1.170)	93184	48.9094	48.9
99 1,2,4-Trichlorobenzene	180	19.270	19.255	(1.172)	255818	48.5788	48.6
100 1,2,3-Trimethylbenzene	105	16.502	16.486	(1.004)	746306	50.0436	50.0
101 Naphthalene	128	19.770	19.743	(1.202)	589089	47.2575	47.2
102 1,2,3-Trichlorobenzene	180	20.049	20.034	(1.219)	232472	48.6482	48.6
103 Methyl Acetate	43	5.000	4.985	(0.546)	261258	45.7762	45.8
104 Methylcyclohexane	83	9.756	9.742	(1.066)	311808	53.1103	53.1
M 153 Total Alkylbenzenes	100				5493809	385.218	385

QC Flag Legend

R - Spike/Surrogate failed recovery limits.

Data File: \\Target_server\GG\chem\gcms-s.i\S011808B.b\S8735.D
Report Date: 30-Jan-2008 10:17

Katahdin Analytical Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcms-s.i
Lab File ID: S8735.D
Lab Smp Id: WG47570-1
Analysis Type: VOA
Quant Type: ISTD
Operator: SKT
Method File: \\Target_server\GG\chem\gcms-s.i\S011808B.b\s826a48.m
Misc Info: SW846 8260B

Calibration Date: 18-JAN-2008
Calibration Time: 09:51
Client Smp ID: WG47570-LCS
Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 4

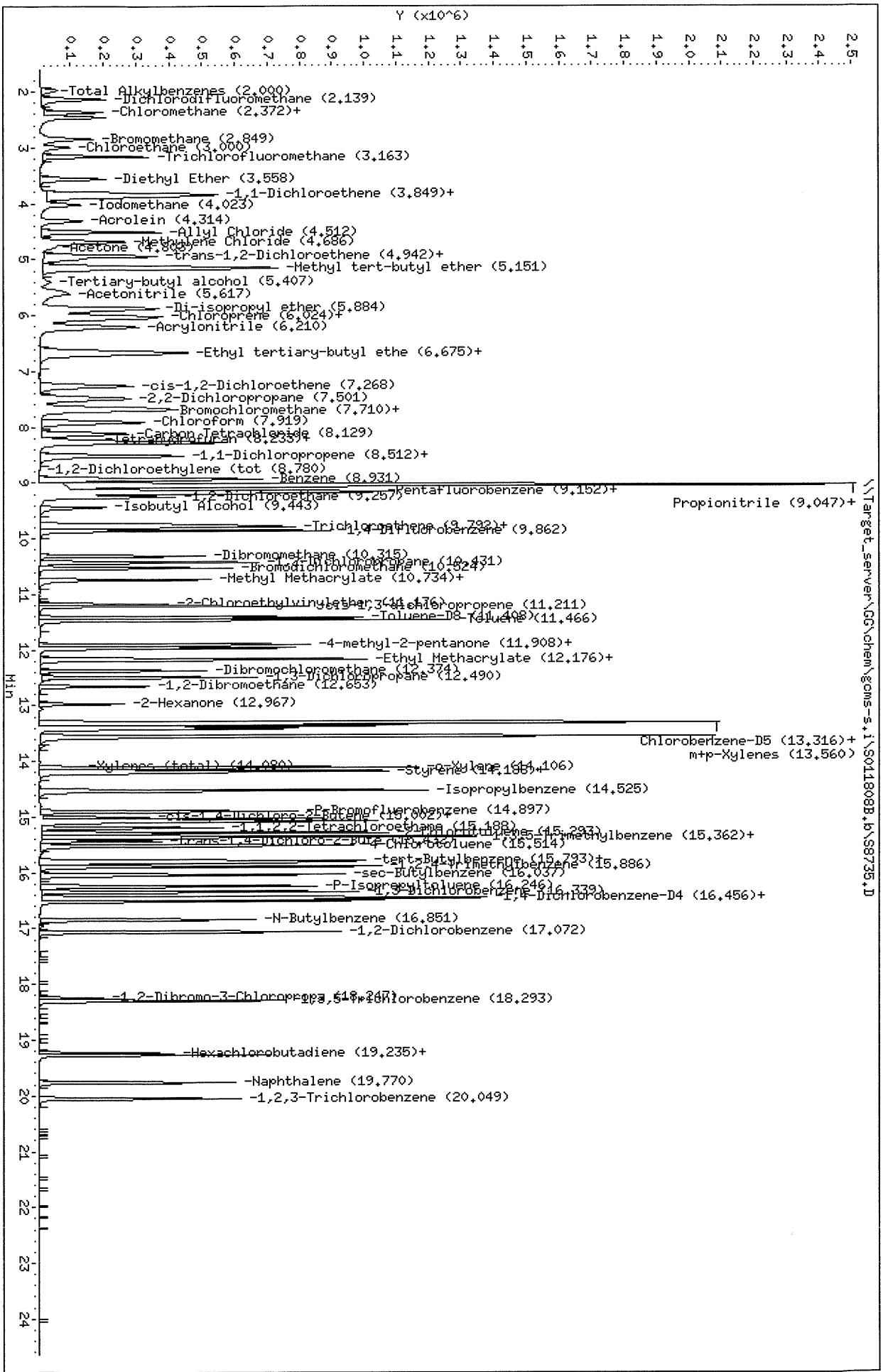
COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	575463	287732	1150926	622378	8.15
49 1,4-Difluorobenze	821948	410974	1643896	858931	4.50
66 Chlorobenzene-D5	718198	359099	1436396	721068	0.40
91 1,4-Dichlorobenze	389229	194615	778458	376791	-3.20

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	9.15	8.65	9.65	9.15	0.00
49 1,4-Difluorobenze	9.86	9.36	10.36	9.86	0.00
66 Chlorobenzene-D5	13.30	12.80	13.80	13.30	0.00
91 1,4-Dichlorobenze	16.44	15.94	16.94	16.44	0.00

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.

Data File: \\Target_server\GC\chem\gcms-s.i\S011808B.b\S8735.D
Date : 18-JAN-2008 11:18
Client ID: WG47570-LCS
Sample Info: WG47570-1
Purge Volume: 5.0
Column phase: RTX-VMS

Instrument: gcms-s.i
Operator: SKT
Column diameter: 0.18



KATAHDIN ANALYTICAL SERVICES
LAB CONTROL SAMPLE

Client:
Project: CTO 426 NLON
PO No:
Sample Date:
Received Date:
Extraction Date:
Analysis Date: 01/16/08
Report Date: 01/30/2008
Matrix: WATER

Lab ID: WG47493-1
Client ID: WG47493-LCS
SDG: CTO426-1
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG47493
Units: ug/l

COMPOUND	LCS SPIKE	SAMPLE CONC.	LCS CONC.		%REC.	QC. LIMITS
Dichlorodifluoromethane	50	NA	53		106	20-143
Chloromethane	50	NA	52		104	34-132
Vinyl chloride	50	NA	52		105	48-136
Bromomethane	50	NA	69	*	137	52-129
Chloroethane	50	NA	56		111	43-146
Trichlorofluoromethane	50	NA	58		116	62-157
Diethyl Ether	50	NA	41		82	74-141
Tertiary-butyl alcohol	250	NA	423	*	169	10-152
1,1-Dichloroethene	50	NA	50		99	64-126
Carbon Disulfide	50	NA	40		80	59-136
Freon-113	50	NA	47		94	78-140
Iodomethane	50	NA	66	*	132	54-107
Acrolein	250	NA	256		102	42-156
Methylene Chloride	50	NA	47		94	63-122
Acetone	50	NA	45		91	15-160
Isobutyl Alcohol	1000	NA	1140		114	10-169
trans-1,2-Dichloroethene	50	NA	53		106	65-128
Allyl Chloride	50	NA	51		101	64-150
Methyl tert-butyl ether	100	NA	104		104	71-140
Acetonitrile	500	NA	624		125	40-164
Di-isopropyl ether	50	NA	49		98	77-135
Chloroprene	50	NA	48		96	82-133
Methacrylonitrile	500	NA	509		102	69-146
Propionitrile	500	NA	526		105	51-161
1,1-Dichloroethane	50	NA	55		110	74-135
Acrylonitrile	250	NA	271		108	67-144
Ethyl tertiary-butyl ether	50	NA	51		102	79-136
Vinyl Acetate	50	NA	54		109	57-139
cis-1,2-Dichloroethene	50	NA	49		98	75-117
1,2-Dichloroethylene (total)	100	NA	102		102	72-121
Methyl Methacrylate	50	NA	53		107	71-136
2,2-Dichloropropane	50	NA	47		94	55-140
Bromochloromethane	50	NA	50		101	80-132
Chloroform	50	NA	47		94	80-125
Carbon Tetrachloride	50	NA	55		110	76-123
Tetrahydrofuran	50	NA	53		106	38-157
1,1,1-Trichloroethane	50	NA	52		105	79-125
1,1-Dichloropropene	50	NA	53		105	80-125
2-Butanone	50	NA	50		99	45-184
Benzene	50	NA	50		99	71-125
Cyclohexane	50	NA	39		78	57-128
Ethyl Methacrylate	50	NA	55		110	73-134
Tertiary-amyl methyl ether	50	NA	50		101	78-133
1,2-Dichloroethane	50	NA	55		109	75-125
Trichloroethene	50	NA	50		99	78-118

KATAHDIN ANALYTICAL SERVICES
LAB CONTROL SAMPLE

Client:
Project: CTO 426 NLON
PO No:
Sample Date:
Received Date:
Extraction Date:
Analysis Date: 01/16/08
Report Date: 01/30/2008
Matrix: WATER

Lab ID: WG47493-1
Client ID: WG47493-LCS
SDG: CTO426-1
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG47493
Units: ug/l

COMPOUND	LCS SPIKE	SAMPLE CONC.	LCS CONC.	%REC.	QC. LIMITS
Dibromomethane	50	NA	59	117	73-125
1,2-Dichloropropane	50	NA	51	102	78-127
Bromodichloromethane	50	NA	50	100	76-118
cis-1,3-dichloropropene	50	NA	50	100	84-125
1,4-Dioxane	1000	NA	423	42	10-178
2-Chloroethylvinylether	50	NA	59	118	20-191
Toluene	50	NA	52	104	79-118
4-methyl-2-pentanone	50	NA	50	100	44-157
Tetrachloroethene	50	NA	45	90	71-137
trans-1,3-Dichloropropene	50	NA	60	119	89-137
1,1,2-Trichloroethane	50	NA	53	105	76-125
Dibromochloromethane	50	NA	50	101	77-119
1,3-Dichloropropane	50	NA	45	89	79-122
1,2-Dibromoethane	50	NA	53	106	78-124
2-Hexanone	50	NA	48	96	27-182
Chlorobenzene	50	NA	53	106	81-118
Ethylbenzene	50	NA	55	109	80-115
1,1,1,2-Tetrachloroethane	50	NA	51	102	79-118
Xylenes (total)	150	NA	146	97	85-114
m+p-Xylenes	100	NA	98	98	87-113
o-Xylene	50	NA	48	96	80-118
Styrene	50	NA	50	99	81-116
Bromoform	50	NA	52	105	69-129
Isopropylbenzene	50	NA	58	117	87-129
cis-1,4-Dichloro-2-Butene	50	NA	55	111	60-133
trans-1,4-Dichloro-2-Butene	50	NA	53	105	67-134
Bromobenzene	50	NA	50	100	83-112
N-Propylbenzene	50	NA	47	95	79-121
1,1,2,2-Tetrachloroethane	50	NA	43	87	68-133
1,3,5-Trimethylbenzene	50	NA	52	103	80-117
2-Chlorotoluene	50	NA	50	99	86-113
1,2,3-Trichloropropane	50	NA	50	99	63-133
4-Chlorotoluene	50	NA	48	96	84-117
tert-Butylbenzene	50	NA	53	105	78-122
Pentachloroethane	50	NA	53	107	64-135
1,2,4-Trimethylbenzene	50	NA	44	89	78-116
P-Isopropyltoluene	50	NA	45	90	79-123
1,3-Dichlorobenzene	50	NA	52	103	86-111
1,4-Dichlorobenzene	50	NA	53	106	78-118
N-Butylbenzene	50	NA	49	99	76-119
sec-Butylbenzene	50	NA	52	104	77-121
1,2-Dichlorobenzene	50	NA	50	101	86-113
1,2-Dibromo-3-Chloropropane	50	NA	53	106	63-133
1,3,5-Trichlorobenzene	50	NA	47	94	84-118
Hexachlorobutadiene	50	NA	47	95	70-114

KATAHDIN ANALYTICAL SERVICES
LAB CONTROL SAMPLE

Client:
Project: CTO 426 NLON
PO No:
Sample Date:
Received Date:
Extraction Date:
Analysis Date: 01/16/08
Report Date: 01/30/2008
Matrix: WATER

Lab ID: WG47493-1
Client ID: WG47493-LCS
SDG: CTO426-1
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG47493
Units: ug/l

COMPOUND	LCS SPIKE	SAMPLE CONC.	LCS CONC.	%REC.	QC. LIMITS
1,2,4-Trichlorobenzene	50	NA	46	92	74-116
1,2,3-Trimethylbenzene	50	NA	49	97	85-124
Naphthalene	50	NA	38	75	64-121
1,2,3-Trichlorobenzene	50	NA	47	95	73-117
Methyl Acetate	50	NA	54	107	52-142
Methylcyclohexane	50	NA	48	96	83-125
1-Chlorohexane	50	NA	55	110	78-128
Total Alkylbenzenes	350	NA	342	98	60-140

Data File: \\Target_server\GG\chem\gcms-z.i\Z011608B.b\Z6395.D
Report Date: 30-Jan-2008 10:22

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gcms-z.i\Z011608B.b\Z6395.D
Lab Smp Id: WG47493-1 Client Smp ID: WG47493-LCS
Inj Date : 16-JAN-2008 12:19 MS Autotune Date: 09-OCT-2007 12:05
Operator : SKT Inst ID: gcms-z.i
Smp Info : WG47493-1
Misc Info : SW846 8260B
Comment :
Method : \\Target_server\GG\chem\gcms-z.i\Z011608B.b\Z826a71.m
Meth Date : 24-Jan-2008 10:18 jprescott Quant Type: ISTD
Cal Date : 14-JAN-2008 17:08 Cal File: Z6357.D
Als bottle: 12 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.12
Processing Host: MIS_2

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)
1 Dichlorodifluoromethane	85	2.730	2.713	(0.270)	276001	52.9945	53.0
2 Chloromethane	50	3.067	3.062	(0.303)	409705	52.2365	52.2
3 Vinyl chloride	62	3.113	3.120	(0.308)	310731	52.3711	52.4(M)
4 Bromomethane	94	3.578	3.584	(0.353)	167044	68.7327	68.7(R)
5 Chloroethane	64	3.798	3.816	(0.375)	139580	55.5342	55.5(M)
6 Trichlorofluoromethane	101	4.030	4.037	(0.398)	291433	57.9987	58.0
7 Diethyl Ether	59	4.541	4.536	(0.449)	149821	41.1644	41.2
8 Tertiary-butyl alcohol	59	6.746	6.752	(0.666)	53028	423.404	423(R)
9 1,1-Dichloroethene	96	4.843	4.861	(0.478)	209750	49.5320	49.5
10 Carbon Disulfide	76	4.889	4.895	(0.483)	558996	39.8836	39.9
11 Freon-113	151	4.936	4.953	(0.488)	174495	47.1580	47.2
12 Iodomethane	142	5.098	5.139	(0.504)	238287	66.2336	66.2(RM)
13 Acrolein	56	5.423	5.441	(0.536)	179472	256.368	256
14 Methylene Chloride	84	5.899	5.928	(0.583)	253851	47.2152	47.2(M)
15 Acetone	43	6.015	6.010	(0.594)	55997	45.3831	45.4
16 Isobutyl Alcohol	43	10.298	10.304	(1.017)	123782	1135.32	1140
17 trans-1,2-Dichloroethene	96	6.247	6.265	(0.617)	255642	52.9944	53.0
18 Allyl Chloride	41	5.725	5.719	(0.566)	347109	50.7138	50.7
19 Methyl tert-butyl ether	73	6.514	6.543	(0.643)	1096279	104.030	104
20 Acetonitrile	39	6.990	6.996	(0.690)	60486	624.484	624
21 Di-isopropyl ether	45	7.454	7.449	(0.736)	908487	48.7788	48.8
22 Chloroprene	53	7.582	7.600	(0.749)	290848	47.7873	47.8
23 Propionitrile	54	9.996	10.002	(0.987)	240072	526.493	526

M1
JR
013008

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Report Date: 30-Jan-2008 10:22

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	FINAL (ug/l)
	24 Methacrylonitrile	41	10.031	10.037	(0.991)	1400956	508.923	509
	25 1,1-Dichloroethane	63	7.617	7.634	(0.752)	425256	55.0523	55.0
	26 Acrylonitrile	52	7.698	7.716	(0.760)	323267	271.220	271
	27 Ethyl tertiary-butyl ether	59	8.232	8.238	(0.813)	711720	50.8517	50.8
	28 Vinyl Acetate	43	8.209	8.226	(0.764)	552366	54.2612	54.3
	29 cis-1,2-Dichloroethene	96	8.708	8.714	(0.860)	244661	49.1090	49.1
M	30 1,2-Dichloroethylene (total)	96				500303	102.103	102
	31 Methyl Methacrylate	41	13.071	13.089	(1.216)	193353	53.2743	53.3
	32 2,2-Dichloropropane	77	8.893	8.899	(0.878)	236136	47.2161	47.2
	33 Bromochloromethane	128	9.021	9.039	(0.891)	117260	50.5336	50.5
	34 Chloroform	83	9.172	9.178	(0.906)	342234	47.1007	47.1
	35 Carbon Tetrachloride	117	9.369	9.375	(0.872)	239914	55.0782	55.1
	36 Tetrahydrofuran	42	9.392	9.399	(0.928)	57540	52.8780	52.9
$	37 Dibromofluoromethane	113	9.439	9.457	(0.932)	234190	41.5745	41.6
	38 1,1,1-Trichloroethane	97	9.462	9.480	(0.935)	280857	52.3753	52.4
	39 1,1-Dichloropropene	75	9.648	9.654	(0.897)	292986	52.6938	52.7
	40 2-Butanone	43	9.613	9.631	(0.950)	93278	49.4907	49.5
	41 Benzene	78	9.996	9.990	(0.930)	805351	49.7460	49.7
*	42 Pentafluorobenzene	168	10.124	10.141	(1.000)	498473	50.0000	
	43 Cyclohexane	56	9.044	9.062	(0.893)	243264	39.1560	39.2
	44 Ethyl Methacrylate	69	13.071	13.089	(1.216)	252639	55.1486	55.1
$	45 1,2-Dichloroethane-D4	65	10.147	10.153	(1.002)	177260	38.0272	38.0
	46 Tertiary-amyl methyl ether	73	10.158	10.176	(1.003)	594280	50.2957	50.3
	47 1,2-Dichloroethane	62	10.228	10.246	(0.951)	273527	54.5984	54.6
	48 Trichloroethene	95	10.704	10.710	(0.996)	231313	49.5355	49.5
*	49 1,4-Difluorobenzene	114	10.750	10.756	(1.000)	685804	50.0000	
	50 Dibromomethane	93	11.156	11.174	(1.038)	162313	58.7220	58.7
	51 1,2-Dichloropropane	63	11.284	11.279	(1.050)	235754	51.0016	51.0
	52 Bromodichloromethane	83	11.354	11.360	(1.056)	288986	50.0765	50.1
	53 cis-1,3-dichloropropene	75	12.097	12.103	(1.125)	339423	50.0873	50.1
	54 1,4-Dioxane	88	11.574	11.581	(1.077)	26270	422.790	423
$	55 Toluene-D8	98	12.340	12.335	(1.148)	585626	44.0357	44.0
	56 2-Chloroethylvinylether	63	12.015	12.022	(1.118)	76735	59.1372	59.1
	57 Toluene	92	12.398	12.405	(1.153)	487939	52.2099	52.2
	58 4-methyl-2-pentanone	43	12.839	12.846	(1.194)	189681	49.8196	49.8
	59 Tetrachloroethene	164	12.874	12.880	(0.903)	194786	44.8742	44.9
	60 trans-1,3-Dichloropropene	75	12.886	12.892	(1.199)	314319	59.5771	59.6
	61 1,1,2-Trichloroethane	83	13.083	13.089	(1.217)	167334	52.6827	52.7
	62 Dibromochloromethane	129	13.315	13.321	(0.934)	268572	50.4356	50.4
	63 1,3-Dichloropropane	76	13.420	13.437	(0.941)	300312	44.6213	44.6
	64 1,2-Dibromoethane	107	13.605	13.623	(1.266)	233104	53.1947	53.2
	65 2-Hexanone	43	13.872	13.879	(0.973)	137573	48.2391	48.2
*	66 Chlorobenzene-D5	117	14.255	14.273	(1.000)	606455	50.0000	
	67 Chlorobenzene	112	14.279	14.285	(1.002)	623928	53.0168	53.0
	152 1-Chlorohexane	91	14.244	14.250	(1.407)	325056	55.0271	55.0
	68 Ethylbenzene	91	14.313	14.320	(1.004)	996467	54.5835	54.6
	69 1,1,1,2-Tetrachloroethane	131	14.360	14.366	(1.007)	227859	50.9997	51.0
M	70 Xylenes (total)	106				994571	146.264	146
	71 m+p-Xylenes	106	14.499	14.505	(1.017)	657468	98.0781	98.1
	72 o-Xylene	106	15.056	15.062	(1.056)	337103	48.1864	48.2
	73 Styrene	104	15.126	15.132	(1.061)	594579	49.6077	49.6
	74 Bromoform	173	15.161	15.167	(1.064)	192152	52.3246	52.3
	75 Isopropylbenzene	105	15.474	15.480	(0.888)	885218	58.4096	58.4
$	76 P-Bromofluorobenzene	95	15.857	15.863	(1.475)	204172	35.6595	35.6

Data File: \\Target_server\GG\chem\gcms-z.i\Z011608B.b\Z6395.D
Report Date: 30-Jan-2008 10:22

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	CONCENTRATIONS FINAL (ug/l)
77	cis-1,4-Dichloro-2-Butene	53	15.927	15.933	(0.914)	65149	55.4168	55.4
78	trans-1,4-Dichloro-2-Butene	53	16.356	16.361	(0.939)	69949	52.7126	52.7
79	Bromobenzene	156	16.008	16.014	(0.919)	275884	49.8654	49.9
80	N-Propylbenzene	91	16.043	16.049	(0.921)	922421	47.3971	47.4
81	1,1,2,2-Tetrachloroethane	83	16.101	16.119	(0.924)	223614	43.4296	43.4
82	1,3,5-Trimethylbenzene	105	16.298	16.315	(0.935)	623526	51.5134	51.5
83	2-Chlorotoluene	91	16.252	16.268	(0.933)	652734	49.7470	49.7
84	1,2,3-Trichloropropane	75	16.298	16.315	(0.935)	186860	49.6514	49.6
85	4-Chlorotoluene	91	16.484	16.489	(0.946)	593538	47.9787	48.0
86	tert-Butylbenzene	119	16.751	16.768	(0.961)	669667	52.5545	52.6
87	Pentachloroethane	117	16.774	16.780	(0.963)	193047	53.3259	53.3
88	1,2,4-Trimethylbenzene	105	16.855	16.850	(0.967)	533101	44.3261	44.3
89	P-Isopropyltoluene	119	17.203	17.209	(0.987)	639519	44.9522	45.0
90	1,3-Dichlorobenzene	146	17.319	17.326	(0.994)	474731	51.4821	51.5
* 91	1,4-Dichlorobenzene-D4	152	17.424	17.430	(1.000)	297511	50.0000	
92	1,4-Dichlorobenzene	146	17.435	17.453	(1.001)	486650	53.2417	53.2
93	N-Butylbenzene	91	17.807	17.813	(1.022)	488575	49.2902	49.3
94	sec-Butylbenzene	105	16.994	17.012	(0.975)	806823	52.1142	52.1
95	1,2-Dichlorobenzene	146	18.051	18.057	(1.036)	438435	50.4588	50.4
96	1,2-Dibromo-3-Chloropropane	75	19.223	19.229	(1.103)	33569	53.0205	53.0
97	1,3,5-Trichlorobenzene	180	19.292	19.299	(1.107)	261488	46.9671	47.0
98	Hexachlorobutadiene	225	20.232	20.239	(1.161)	99228	47.3815	47.4
99	1,2,4-Trichlorobenzene	180	20.267	20.273	(1.163)	186791	46.0847	46.1
100	1,2,3-Trimethylbenzene	105	17.470	17.476	(1.003)	614110	48.6414	48.6
101	Naphthalene	128	20.766	20.773	(1.192)	211864	37.5659	37.6
102	1,2,3-Trichlorobenzene	180	21.057	21.063	(1.208)	144940	47.2809	47.3
103	Methyl Acetate	43	6.282	6.300	(0.621)	189310	53.7422	53.7
104	Methylcyclohexane	83	10.704	10.710	(1.057)	286140	48.0685	48.1
M 153	Total Alkylbenzenes	100				4683632	342.148	342

QC Flag Legend

R - Spike/Surrogate failed recovery limits.
M - Compound response manually integrated.

Data File: \\Target_server\GG\chem\gcms-z.i\Z011608B.b\Z6395.D
Report Date: 30-Jan-2008 10:22

Katahdin Analytical Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcms-z.i
Lab File ID: Z6395.D
Lab Smp Id: WG47493-1
Analysis Type: VOA
Quant Type: ISTD
Operator: SKT
Method File: \\Target_server\GG\chem\gcms-z.i\Z011608B.b\Z826a71.m
Misc Info: SW846 8260B

Calibration Date: 16-JAN-2008
Calibration Time: 10:52
Client Smp ID: WG47493-LCS
Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 4

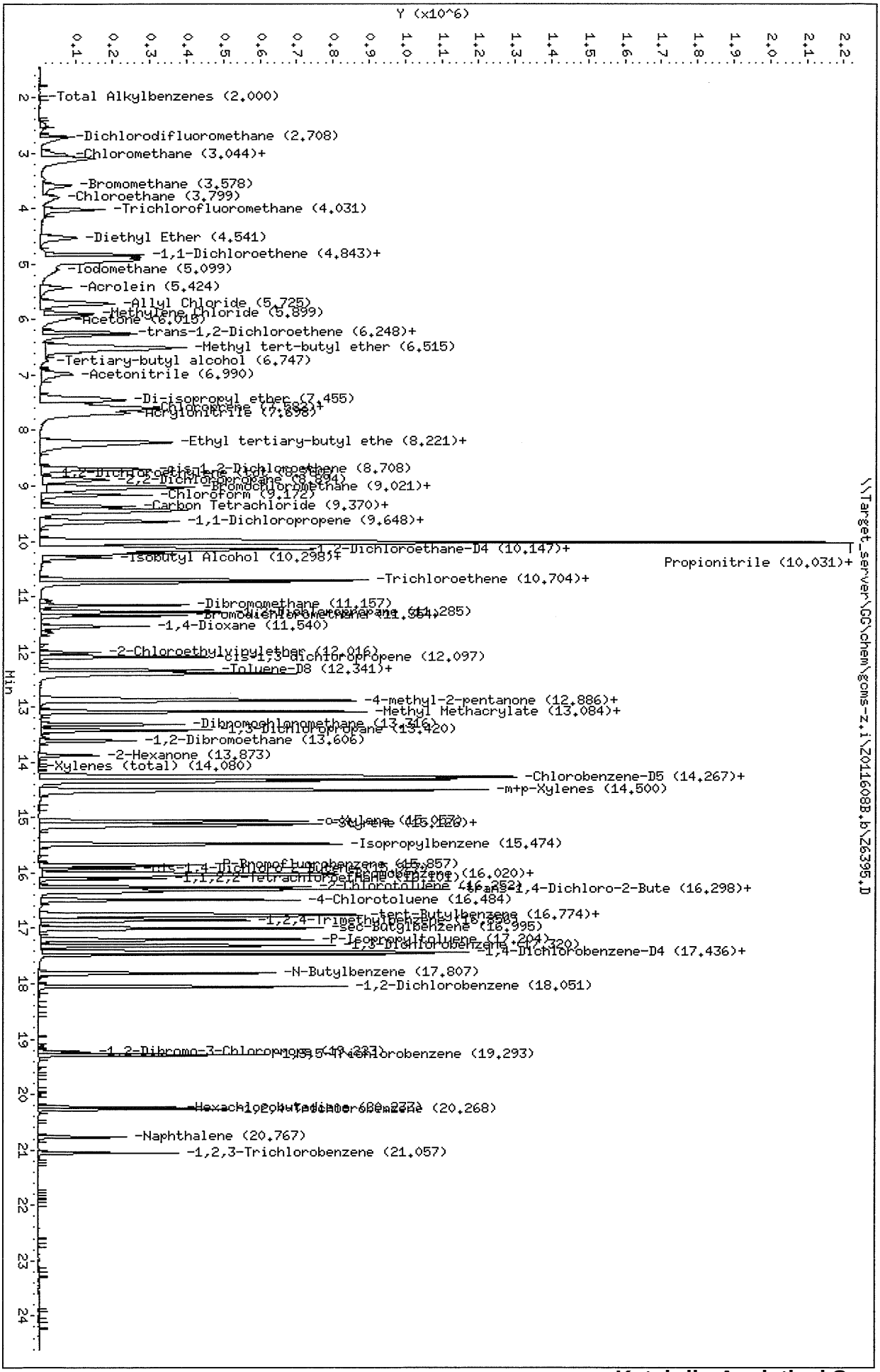
COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	474979	237490	949958	498473	4.95
49 1,4-Difluorobenze	661176	330588	1322352	685804	3.72
66 Chlorobenzene-D5	548483	274242	1096966	606455	10.57
91 1,4-Dichlorobenze	296621	148311	593242	297511	0.30

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	10.12	9.62	10.62	10.12	0.06
49 1,4-Difluorobenze	10.74	10.24	11.24	10.75	0.06
66 Chlorobenzene-D5	14.26	13.76	14.76	14.26	-0.04
91 1,4-Dichlorobenze	17.42	16.92	17.92	17.42	0.04

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.

Data File: \\Target_server\GC\chem\gcms-z.i\Z011608B.b\Z6395.D
Date : 16-JAN-2008 12:19
Client ID: WG47493-LCS
Sample Info: WG47493-1
Purge Volume: 5.0
Column phase: RTX-VMS

Instrument: gcms-z.i
Operator: SKT
Column diameter: 0.18



KATAHDIN ANALYTICAL SERVICES
MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 01/08/08
Received Date: 01/10/08
Extraction Date:
Analysis Date: 01/17/08
Report Date: 01/30/2008
Matrix: WATER

Lab ID: WG47521-3 & WG47521-4
Client ID: WD-GW-MW103-2008MS & WD-GW-MW103-2008MSD
SDG: CTO426-1
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG47521
Units: ug/l

COMPOUND	MS SPIKE	MSD SPIKE	SAMPLE CONC.	MS CONC.	MSD CONC.	MS %REC.	MSD %REC.		%RPD	%RPD LIMIT	QC. LIMITS
Methyl tert-butyl ether	100	100	0.00	108	104	108	104		4	20	71-140
Benzene	50	50	0.00	53	57	105	113		7	20	71-125
Toluene	50	50	0.00	52	56	104	111		6	20	79-118
Ethylbenzene	50	50	0.00	52	55	104	110		6	20	80-115
Xylenes (total)	150	150	0.00	153	174	102	* 116		13	20	85-114
m+p-Xylenes	100	100	0.00	102	115	102	* 115		12	20	87-113
o-Xylene	50	50	0.00	51	59	102	* 119		15	20	80-118
Isopropylbenzene	50	50	0.00	59	69	117	* 138		16	20	87-129
Naphthalene	50	50	0.00	42	52	84	104	*	21	20	64-121

FORM III VOA-1

S8718.D & S8719.D

Data File: \\Target_server\GG\chem\gcms-s.i\S011708.b\S8718.D
Report Date: 30-Jan-2008 09:50

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gcms-s.i\S011708.b\S8718.D
Lab Smp Id: WG47521-3 Client Smp ID: WD-GW-MW103-2008MS
Inj Date : 17-JAN-2008 19:25 MS Autotune Date: 21-NOV-2007 15:16
Operator : SKT Inst ID: gcms-s.i
Smp Info : WG47521-3
Misc Info : SW846 8260B
Comment :
Method : \\Target_server\GG\chem\gcms-s.i\S011708.b\s826a48.m
Meth Date : 17-Jan-2008 08:54 sthompson Quant Type: ISTD
Cal Date : 16-JAN-2008 19:34 Cal File: S8696.D
Als bottle: 30 QC Sample: MS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TETRAT426001.sub
Target Version: 4.12
Processing Host: TARGET05

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)
	19 Methyl tert-butyl ether	73	5.129	5.125	(0.562)	1432428	108.031	108
	41 Benzene	78	8.908	8.904	(0.905)	916692	52.7351	52.7
	57 Toluene	92	11.444	11.451	(1.163)	520484	52.2237	52.2
	68 Ethylbenzene	91	13.339	13.347	(1.004)	1062852	51.9342	51.9
M	70 Xylenes (total)	106				1113735	153.227	153
	71 m+p-Xylenes	106	13.537	13.533	(1.019)	746511	101.981	102
	72 o-Xylene	106	14.084	14.091	(1.060)	367224	51.2462	51.2
	75 Isopropylbenzene	105	14.502	14.510	(0.883)	927814	58.5990	58.6
	101 Naphthalene	128	19.736	19.743	(1.202)	534417	42.0717	42.1
$	37 Dibromofluoromethane	113	8.245	8.265	(0.903)	258411	42.9713	43.0
$	45 1,2-Dichloroethane-D4	65	9.129	9.137	(1.000)	307232	48.4467	48.4
$	55 Toluene-D8	98	11.397	11.393	(1.158)	691267	44.9184	44.9
$	76 P-Bromofluorobenzene	95	14.874	14.882	(1.512)	297343	46.1720	46.2
*	42 Pentafluorobenzene	168	9.129	9.125	(1.000)	532954	50.0000	
*	49 1,4-Difluorobenzene	114	9.839	9.846	(1.000)	781780	50.0000	
*	66 Chlorobenzene-D5	117	13.281	13.289	(1.000)	667902	50.0000	
*	91 1,4-Dichlorobenzene-D4	152	16.421	16.428	(1.000)	383955	50.0000	

Data File: \\Target_server\GG\chem\gcms-s.i\S011708.b\S8718.D
Report Date: 30-Jan-2008 09:50

Katahdin Analytical Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcms-s.i
Lab File ID: S8718.D
Lab Smp Id: WG47521-3
Analysis Type: VOA
Quant Type: ISTD
Operator: SKT
Method File: \\Target_server\GG\chem\gcms-s.i\S011708.b\s826a48.m
Misc Info: SW846 8260B

Calibration Date: 17-JAN-2008
Calibration Time: 08:35
Client Smp ID: WD-GW-MW103-200
Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 4

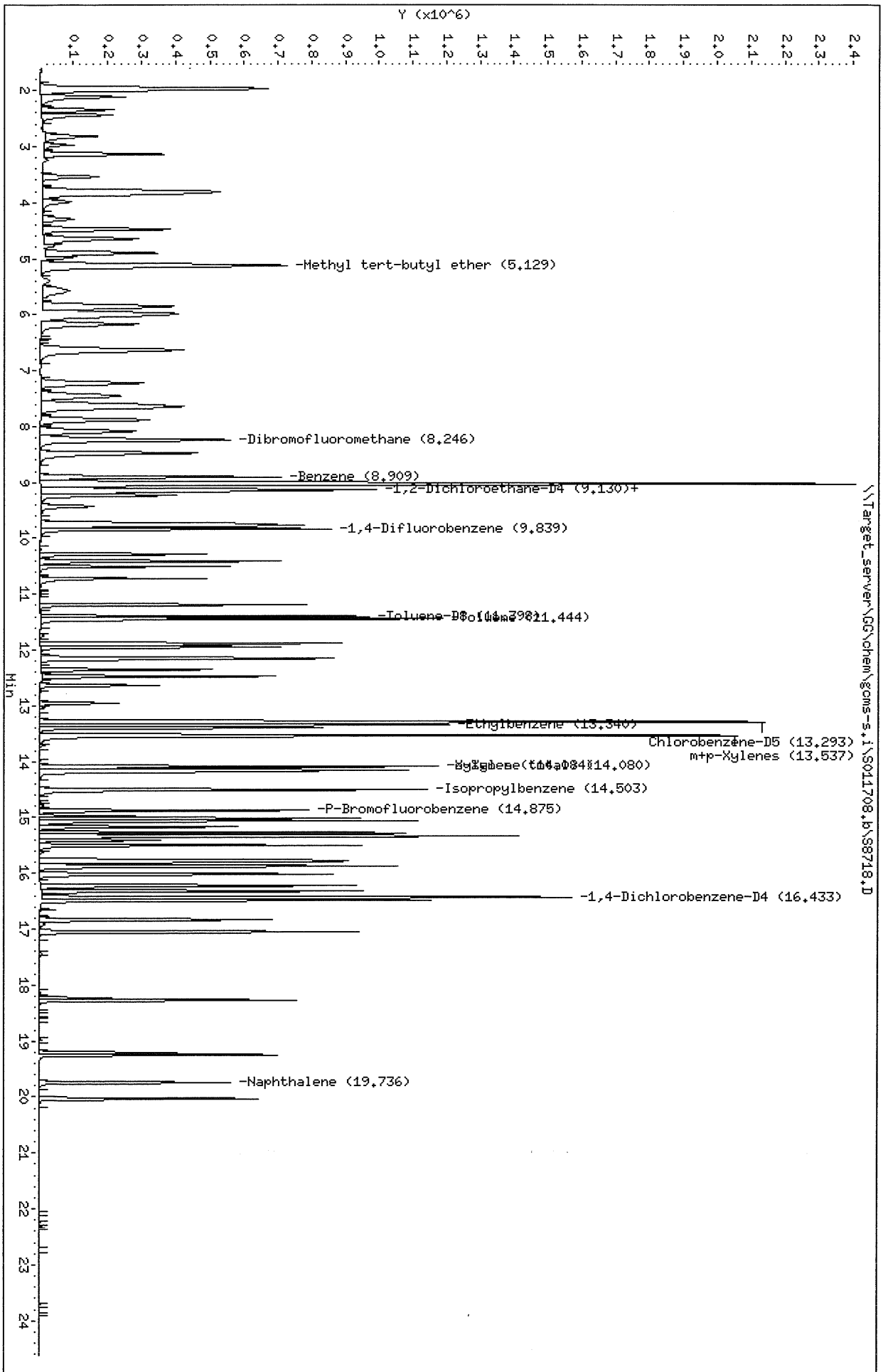
COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	628556	314278	1257112	532954	-15.21
49 1,4-Difluorobenze	887687	443844	1775374	781780	-11.93
66 Chlorobenzene-D5	767984	383992	1535968	667902	-13.03
91 1,4-Dichlorobenze	413885	206943	827770	383955	-7.23

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	9.12	8.62	9.62	9.13	0.11
49 1,4-Difluorobenze	9.83	9.33	10.33	9.84	0.10
66 Chlorobenzene-D5	13.27	12.77	13.77	13.28	0.08
91 1,4-Dichlorobenze	16.42	15.92	16.92	16.42	-0.01

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.

Data File: \\Target_server\GC\chem\gcms-s.i\S011708.b\S8718.D
Date : 17-JAN-2008 19:25
Client ID: WD-GW-MW103-2008MS
Sample Info: WG47521-3
Purge Volume: 5.0
Column phase: RTX-VMS

Instrument: gcms-s.i
Operator: SKT
Column diameter: 0.18



Data File: \\Target_server\GG\chem\gcms-s.i\S011708.b\S8719.D
Report Date: 30-Jan-2008 09:50

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gcms-s.i\S011708.b\S8719.D
Lab Smp Id: WG47521-4 Client Smp ID: WD-GW-MW103-2008MSD
Inj Date : 17-JAN-2008 19:57 MS Autotune Date: 21-NOV-2007 15:16
Operator : SKT Inst ID: gcms-s.i
Smp Info : WG47521-4
Misc Info : SW846 8260B
Comment :
Method : \\Target_server\GG\chem\gcms-s.i\S011708.b\s826a48.m
Meth Date : 17-Jan-2008 08:54 sthompson Quant Type: ISTD
Cal Date : 16-JAN-2008 19:34 Cal File: S8696.D
Als bottle: 31 QC Sample: MSD
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TETRAT426001.sub
Target Version: 4.12
Processing Host: TARGET05

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)
	19 Methyl tert-butyl ether	73	5.127	5.125	(0.562)	1507321	104.332	104
	41 Benzene	78	8.906	8.904	(0.905)	1023025	56.5837	56.6
	57 Toluene	92	11.453	11.451	(1.164)	576756	55.6394	55.6
	68 Ethylbenzene	91	13.349	13.347	(1.005)	1127277	54.9171	54.9
M	70 Xylenes (total)	106				1269626	174.176	174(R)
	71 m+p-Xylenes	106	13.535	13.533	(1.019)	842390	114.734	115(R)
	72 o-Xylene	106	14.082	14.091	(1.060)	427236	59.4422	59.4(R)
	75 Isopropylbenzene	105	14.500	14.510	(0.883)	1044461	69.0553	69.0(R)
	101 Naphthalene	128	19.745	19.743	(1.203)	629345	51.8650	51.9
$	37 Dibromofluoromethane	113	8.255	8.265	(0.904)	271212	41.3914	41.4
$	45 1,2-Dichloroethane-D4	65	9.127	9.137	(1.000)	319033	46.1708	46.2
$	55 Toluene-D8	98	11.395	11.393	(1.158)	706317	44.1273	44.1
$	76 P-Bromofluorobenzene	95	14.872	14.882	(1.512)	297122	44.3593	44.4
*	42 Pentafluorobenzene	168	9.127	9.125	(1.000)	580705	50.0000	
*	49 1,4-Difluorobenzene	114	9.837	9.846	(1.000)	813121	50.0000	
*	66 Chlorobenzene-D5	117	13.279	13.289	(1.000)	669910	50.0000	
*	91 1,4-Dichlorobenzene-D4	152	16.419	16.428	(1.000)	366779	50.0000	

QC Flag Legend

R - Spike/Surrogate failed recovery limits.

Data File: \\Target_server\GG\chem\gcms-s.i\S011708.b\S8719.D
Report Date: 30-Jan-2008 09:50

Katahdin Analytical Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcms-s.i
Lab File ID: S8719.D
Lab Smp Id: WG47521-4
Analysis Type: VOA
Quant Type: ISTD
Operator: SKT
Method File: \\Target_server\GG\chem\gcms-s.i\S011708.b\s826a48.m
Misc Info: SW846 8260B

Calibration Date: 17-JAN-2008
Calibration Time: 08:35
Client Smp ID: WD-GW-MW103-200
Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 4

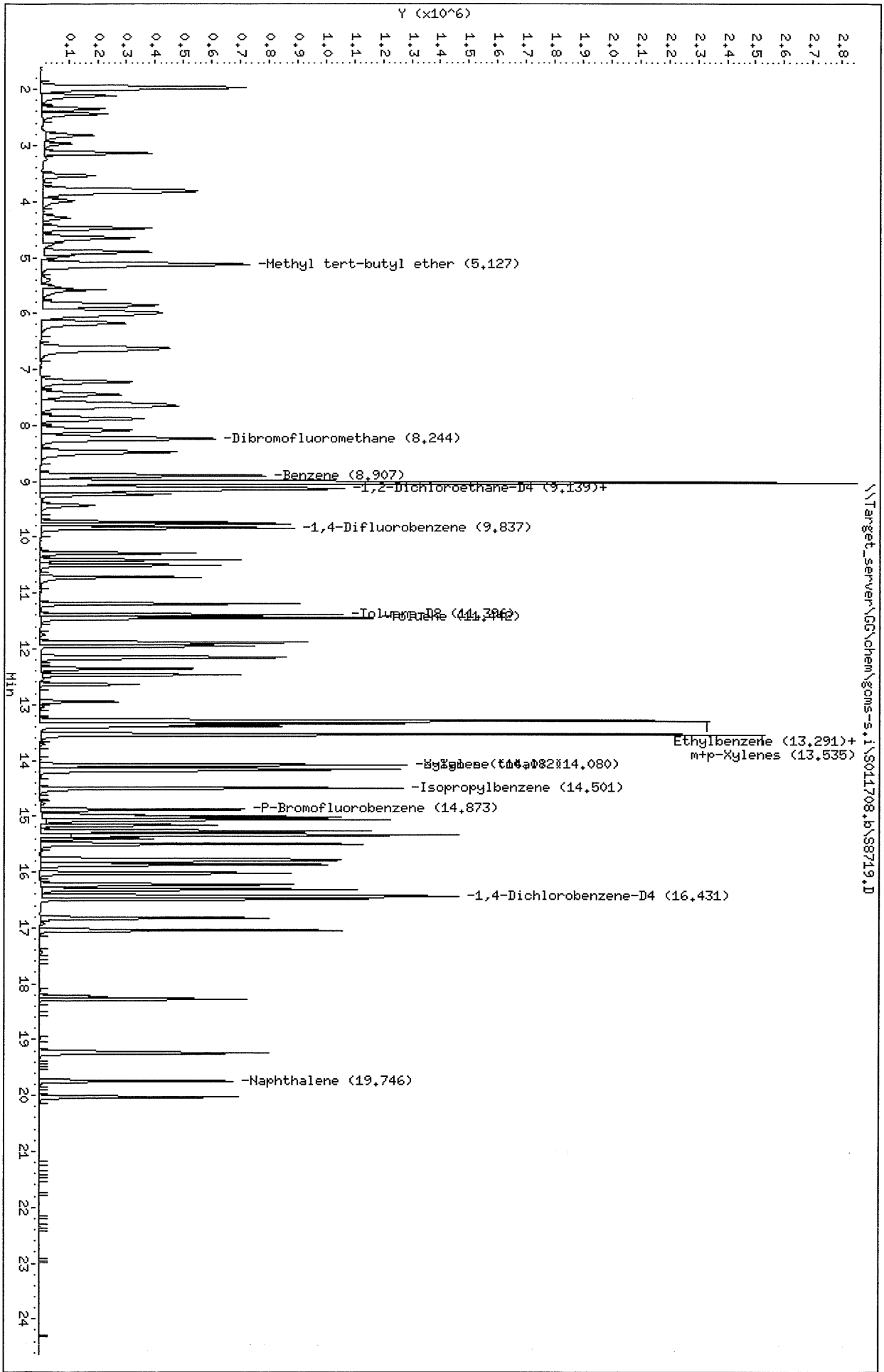
COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	628556	314278	1257112	580705	-7.61
49 1,4-Difluorobenze	887687	443844	1775374	813121	-8.40
66 Chlorobenzene-D5	767984	383992	1535968	669910	-12.77
91 1,4-Dichlorobenze	413885	206943	827770	366779	-11.38

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	9.12	8.62	9.62	9.13	0.09
49 1,4-Difluorobenze	9.83	9.33	10.33	9.84	0.08
66 Chlorobenzene-D5	13.27	12.77	13.77	13.28	0.06
91 1,4-Dichlorobenze	16.42	15.92	16.92	16.42	-0.02

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.

Data File: \\Target_server\GC\chem\gcms-s.i\S011708.b\S8719.D
Date : 17-JAN-2008 19:57
Client ID: WD-GW-MW103-2008MSD
Sample Info: WG47521-4
Purge Volume: 5.0
Column phase: RTX-VMS

Instrument: gcms-s.i
Operator: SKT
Column diameter: 0.18



Logbooks and Supporting Documents

KATAHDIN ANALYTICAL SERVICES
GCMS-F INSTRUMENT RUNLOG

DATE/TIME OF BFB INJECTION: 012108 B 9:52
Reviewed by/Date:

SAMPLE NAME	DATAFILE	DF	ALS #	METHOD	Y/N	MS/MSD	PH	ANALYST	COMMENTS
50ng BFB	FB836	1	—	BFB288 AQ	Y	NA	NA		
VSTD050F21C	F8737	1	10	F826A99	Y				
VSTD200F21A	F8738	1	11		Y				
100F21A	F8739	1	12		Y				
020F21A	F8740	1	13		Y				
005F21A	F8741	1	14		Y				
001F21A	F8742	1	15		Y				
001F21B	F8743	1	16		N				not needed
LCS A WG47623-1	F8744	1	17		Y				
BLK A	F8745	1	18		N				
BLK B WG47623-2	F8746	1	19		Y				
SB0230-4 B	F8747		20		Y	1	<2		pea size air bubble old TB
SB0240-1 A	48		21		Y	2	<2		
-2 A	49		22		Y	3	<2		
SB0358-1 E	50		23		Y	4	<2		
SB0230-1 C	51		24		Y	5	<2		
-2 C	52		25		Y	6	<2		
-3 C	53		26		Y	7	<2		
-5 C	54		27		Y	8	<2		✓
RWSe	55		28						
	56		29						

012208

STANDARD	CODE
BFB	V1801
CAL. STD.	V1825
LCS/MS MIX	V1819
EXTRAS MIX	V1814

STANDARD	CODE
IS MIX	V1820
SS MIX	V1821

Circle Methods:

SW846 8260	OLM 04.2
EPA 624	OLM 03.1
EPA 524	OLC 02.1
SIM	OLC 03.2

QAMS369 Katahdin Analytical Services 100000000

KATAHDIN ANALYTICAL SERVICES
GCMS-S INSTRUMENT RUNLOG

DATE/TIME OF BFB INJECTION: 011608B
Reviewed by/Date:

SAMPLE NAME	DATAFILE	DF	ALS #	METHOD	Y/N	MS/MSD	PH	ANALYST	COMMENTS
50NGBFB	SB701	—	—	BFB288A0	Y	—	—	SKT	
VSTD050516A	~~SS~~ 58685	1	10	~~SM~~ 5826AH01	N	—	—		↓ Resp.
VSTD050516B	58686	1	12		Y	—	—		
LCSA	58687	1	12		N	—	—		failed DOD
LCSB	58688	1	13		N	—	—		↓
VSTD200516A	58689	1	14	5826AH15/	Y	NA	NA		
VSTD100516A	58690	1	15	5624A626	Y				
VSTD050516B	58691	1	16		Y				
VSTD020516A	58692	1	17		Y				CW VE
VSTD020516A	58693	1	18		Y				OK
VSTD005516B	58694	1	19		N				Not Need
VSTD001516A	58695	1	20		N				↓ Resp
VSTD001516B	58696	1	21		Y				
RINSE	58697	1	22		—				
									SKT 011708

STANDARD	CODE
BFB	V1801
CAL. STD.	V1813
LCS/MS MIX	V1819
EXTRAS MIX	V1814

STANDARD	CODE
IS MIX	V1822
SS MIX	V1823

Circle Methods:

SW846 8260	OLM 04.2
EPA 624	OLM 03.1
EPA 524	OLC 02.1
SIM	OLC 03.2

QAMS361
Katahdin Analytical Services
0000330
0000061

KATAHDIN ANALYTICAL SERVICES
GCMS-S INSTRUMENT RUNLOG

DATE/TIME OF BFB INJECTION: 011708 08:12
Reviewed by/Date:

SAMPLE NAME	DATAFILE	DF	ALS #	METHOD	Y/N	MS/MSD	PH	ANALYST	COMMENTS
50 NG BFB	SB702	—	—	BFB288AQ	Y	—	—	SKT	
VST0050517A	S8698	1	10	S826A48	Y	—	—		
LCSA WG47521-1	S8699	1	11		Y	—	—		
VBLKA	S8700	1	12		N	—	—		target hits
VBLKB WG47521-2	S8701	1	13		Y	—	—		
SB0196-7 A	S8702	1	14		Y	1	<2		
SB0180-1 A	S8703	1	15		Y	2	<2		
-2 A	S8704	1	16		Y	3	<2		
SB0168-3 A	S8705	1	17		Y	4	<2		
-4 A	S8706	1	18		Y	5	<2		
-5 A	S8707	1	19		Y	6	<2		
-9 A	S8708	1	20		Y	7	<2		
-10 A	S8709	1	21		Y	8	<2		
-2DL A	S8710	100	22		N	9	<2		40ml/40ml DL to High RR 1:1
-7DL A	S8711	100	23		N	10	<2		
-8DL A	S8712	100	24		N	11	<2		
-11DL A	S8713	100	25		N	12	<2		
-12DL A	S8714	100	26		N	13	<2		
SB0196-3 A	S8715	1	27		Y	14	<2		
-5 A	S8716	1	28		Y	15	<2		
-6 A	S8717	1	29		Y	16	<2		
SB0168-3MS B	S8718	1	30		Y	MS	<2		WG47521-3
-3MSD C	S8719	1	31		Y	MSD	<2		WG47521-4
RINSE	S8720	1	32		—	—	—		
	S8721	1	33		—	—	—		
	S8722	1	34		—	—	—		
VSTD020SIMA	S8723	1	35	S624A626	Y	—	—		Tetrachloroethane ↑ ✓ sampl
LCSA WG47522-1	S8724	1	36		Y	—	—		

STANDARD	CODE
BFB	V1801
CAL. STD.	V1813
LCS/MS MIX	V1819
EXTRAS MIX	V1814

STANDARD	CODE
IS MIX	V1822
SS MIX	V1823

Circle Methods:

SW846 8260	OLM 04.2
EPA 624	OLM 03.1
EPA 524	OLC 02.1
SIM	OLC 03.2

QAMS361

Katahdin Analytical Services 1008331

0000062

KATAHDIN ANALYTICAL SERVICES
GCMS-S INSTRUMENT RUNLOG

DATE/TIME OF BFB INJECTION: 011808B 09:29
Reviewed by/Date:

SAMPLE NAME	DATAFILE	DF	ALS #	METHOD	Y/N	MS/MSD	PH	ANALYST	COMMENTS
50 NG BFB	S8704	—	—	BFB288AQ	Y	—	—	SKT	
VSTD050518B	S8733	1	10	S826A48	Y	—	—		
LCSA	S8734	1	11		N	—	—		5out - short list
LCSB WG47570-1	S8735	1	12		Y	—	—		1 out
VBLKA	S8736	1	13		N	—	—		Target hits
VBLKB WG47570-2	S8737	1	14		Y	—	—		
SB0168-2 B	S8738	1	15		Y	1	<2		
-7 B✓	S8739	1	16		Y	2	<2		
-8 B	S8740	1	17		Y	3	<2		
-11 B	S8741	1	18		Y	4	<2		
-12 B	S8742	1	19		Y	5	<2		
SB0196-1 B	S8743	1	20		Y	6	<2		
-2 B✗	S8744	1	21		Y	7	<2		
-4 B✓	S8745	1	22		Y	8	<2		
SB0195-1 A	S8746	1	23		Y	9	<2		
-2 A	S8747	1	24		Y	10	<2		
-3 A	S8748	1	25		Y	11	<2		
-4 A	S8749	1	26		Y	12	<2		
-5 A	S8750	1	27		Y	13	<2		
-6 A	S8751	1	28		Y	14	<2		
-7 A	S8752	1	29		Y	15	<2		
RINSE	S8753	1	30		—	—	—		
	S8754	1	31		—	—	—		
	S8755	1	32		—	—	—		
									SKT
									012108

STANDARD	CODE
BFB	V1801
CAL. STD.	V1813
LCS/MS MIX	V1819
EXTRAS MIX	V1814

STANDARD	CODE
IS MIX	V1822
SS MIX	V1823

Circle Methods:

SW846 8260	OLM 04.2
EPA 624	OLM 03.1
EPA 524	OLC 02.1
SIM	OLC 03.2

QAMS364
Katahdin Analytical Services 100003306

KATAHDIN ANALYTICAL SERVICES
GCMS-Z INSTRUMENT RUNLOG

DATE/TIME OF BFB INJECTION: 011408
Reviewed by/Date:

SAMPLE NAME	DATAFILE	DF	ALS #	METHOD	Y/N	MS/MSD	PH	ANALYST	COMMENTS
Rinse	Z6349	—	—	—				SKT	Archon test run
63 SKT 011408	~~ZB~~								
	~~Z6350~~								
50 NG BFB	ZB780	—	—	BFB288AD	Y	NA	NA	SKT	
RINSE	Z6350	1	10	Z826A71	—				
↓	Z6351	1	11		—				
VSTD200Z14A *	Z6352	1	12		Y				
VSTD100Z14A *	Z6353	1	13		Y				
VSTD050Z14A *	Z6354	1	14		Y				Curve OK
VSTD020Z14A *	Z6355	1	15		Y				
VSTD005Z14A *	Z6356	1	16		Y				
VSTD001Z14A *	Z6357	1	17		Y				
VSTD200Z14B*	Z6358	1	18		N				Not Needed
VSTD100Z14B	Z6359	1	19		↓				↓
VSTD050Z14B	Z6360	1	20						
VSTD020Z14B	Z6361	1	21						
VSTD005Z14B	Z6362	1	22						
VSTD001Z14B	Z6363	1	23		↓				↓
LCSA	Z6364	1	24		N	↓	↓		9 out
RINSE	Z6365	1	25		—	—	—		
↓	Z6366	1	26	↓	—	—	—	↓	
									SKT 011508

STANDARD	CODE
BFB	V1801
CAL. STD.	V1813
LCS/MS MIX	
EXTRAS MIX	V1814

STANDARD	CODE
IS MIX	V1817
SS MIX	V1818

Circle Methods:

SW846 8260	OLM 04.2
EPA 624	OLM 03.1
EPA 524	OLC 02.1
SIM	OLC 03.2

QAMS362 Katahdin Analytical Services 10000051

KATAHDIN ANALYTICAL SERVICES
GCMS-Z INSTRUMENT RUNLOG

DATE/TIME OF BFB INJECTION: 011608 D 10:28
Reviewed by/Date:

SAMPLE NAME	DATAFILE	DF	ALS #	METHOD	Y/N	MS/MSD (GS)	PH	ANALYST	COMMENTS
50 NG BFB	Z6783	—	—	BFB288AQ	Y	—	—	SKI	
VS7D050Z16B	Z6393	1	10	Z826A71	Y	—	—		
LCSA	Z6394	1	11		N	—	—		failed DOD
~~VBLKA~~ LCSB WG47493-1	Z6395	1	12		Y	—	—		
VBLKA	Z6396	1	13		N	—	—		target mts
VBLKB WG47493-2	Z6397	1	14		Y	—	—		
SB0168-13 A	Z6398	1	15		Y	—	—		
SB0170-17 A	Z6399	1	16		Y	65	<2		
SB0167-5 B	Z6400	1	17		Y	66	<2		
-6 D	Z6401	1	18		Y	67	<2		
-7 D	Z6402	1	19		Y	68	<2		
-8 A	Z6403	1	20		Y	69	<2		
-9 C	Z6404	1	21		Y	70	<2		
-10 D	Z6405	1	22		Y	71	<2		
-12 E	Z6406	1	23		Y	72	<2		
SB0170-2 A	Z6407	1	24		Y	73	<2		
-3 A	Z6408	1	25		Y	74	<2		
-4 A	Z6409	1	26		Y	75	<2		
SB0168-1 A	Z6410	1	27		Y	76	<2		
SB0167-8MS B	Z6411	1	28		Y	MS	<2		WG47493-3
-8MSD C	Z6412	1	29		Y	MSD	<2		-4
RINSE	Z6413	1	30		—	—	—		
	Z6414	1	31		—	—	—		
	Z6415	1	32		—	—	—		
									SKI 011708

STANDARD	CODE
BFB	V1801
CAL. STD.	V1813
LCS/MS MIX	V1819
EXTRAS MIX	V1814

STANDARD	CODE
IS MIX	V1817
SS MIX	V1818

Circle Methods:

SW846 8260	OLM 04.2
EPA 624	OLM 03.1
EPA 524	OLC 02.1
SIM	OLC 03.2

ES SKI 011608

TOTAL PETROLEUM HYDROCARBON

QC Summary Section

FORM 2
WATER DRO SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 426 NLON SDG No.: CTO426-1

	CLIENT SAMPLE ID	LAB SAMPLE ID	S1 OTP#	S2 #	S3 #	S4 #	S5 #	S6 #	S7 #	S8 #	TOT OUT
01	WG47479-BLANK	WG47479-1	87								0
02	WG47479-LCS	WG47479-2	94								0
03	WG47479-LCSD	WG47479-3	82								0
04	AWD-GW-MW403-2008	SB0196-1DL	49								0
05	AWD-GW-MW301-2008	SB0196-3	92								0
06	AWD-GW-MW14-2008	SB0196-5	77								0
07	AWD-GW-DUP2	SB0196-6	85								0
08	AWD-SW-SW1-20080111	SB0230-1	67								0
09	AWD-SW-PZ203-200801	SB0230-2	73								0
10	AWD-GW-MW202-200801	SB0230-3DL	71								0
11	AWD-SW-DUP1	SB0230-5	67								0
12	AWD-GW-MW101-2008	SB0168-1	72								0
13	AWD-GW-MW102-2008	SB0168-2	69								0
14	WD-GW-MW103-2008	SB0168-3	64								0
15	AWD-GW-MW104-2008	SB0168-4	67								0
16	AWD-GW-MW201-2008	SB0168-5	82								0
17	AWD-GW-MW302-2008	SB0168-7	77								0
18	AWD-GW-MW303-2008	SB0168-8	75								0
19	AWD-GW-MW304-2008	SB0168-9	77								0
20	AWD-GW-MW401-2008	SB0168-10	77								0
21	AWD-GW-MW402-2008	SB0168-11	70								0
22	AWD-GW-DUP1	SB0168-12	65								0
23	WG47340-BLANK	WG47340-1	76								0
24	WG47340-LCS	WG47340-2	84								0
25	WD-GW-MW103-2008MS	WG47340-3	84								0
26	WD-GW-MW103-2008MSD	WG47340-4	79								0
27	AWD-GW-MW404-2008	SB0196-2	69								0
28	AWD-GW-MW305-2008	SB0196-4	80								0

S1 (OTP) = O-Terphenyl QC LIMITS (46-116)

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

FORM 4
SEMIVOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE ID

WG47340-BLANK

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 426 NLON SDG No.: CTO426-1

Lab File ID: ABA4039 Lab Sample ID: WG47340-1

Instrument ID: GC10 Date Extracted: 01/11/08

Matrix: (soil/water) WATER Date Analyzed: 01/31/08

Level:(low/med) LOW Time Analyzed: 2226

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	AWD-GW-MW101-2008	SB0168-1	ABA4026	01/31/08	1151
02	AWD-GW-MW102-2008	SB0168-2	ABA4027	01/31/08	1239
03	WD-GW-MW103-2008	SB0168-3	ABA4028	01/31/08	1326
04	AWD-GW-MW104-2008	SB0168-4	ABA4029	01/31/08	1413
05	AWD-GW-MW201-2008	SB0168-5	ABA4030	01/31/08	1500
06	AWD-GW-MW302-2008	SB0168-7	ABA4031	01/31/08	1546
07	AWD-GW-MW303-2008	SB0168-8	ABA4032	01/31/08	1654
08	AWD-GW-MW304-2008	SB0168-9	ABA4033	01/31/08	1742
09	AWD-GW-MW401-2008	SB0168-10	ABA4034	01/31/08	1829
10	AWD-GW-MW402-2008	SB0168-11	ABA4035	01/31/08	1916
11	AWD-GW-DUP1	SB0168-12	ABA4036	01/31/08	2004
12	WG47340-LCS	WG47340-2	ABA4040	01/31/08	2314
13	WD-GW-MW103-2008MS	WG47340-3	ABA4041	02/01/08	0001
14	WD-GW-MW103-2008MSD	WG47340-4	ABA4042	02/01/08	0049
15					
16					
17					
18					
19					
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21					
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23					
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28					
29					
30					

COMMENTS:

FORM IVDRO

FORM 4
SEMIVOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE ID

WG47479-BLANK

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 426 NLON SDG No.: CTO426-1

Lab File ID: ABA2197 Lab Sample ID: WG47479-1

Instrument ID: GC10 Date Extracted: 01/16/08

Matrix: (soil/water) WATER Date Analyzed: 01/25/08

Level:(low/med) LOW Time Analyzed: 0400

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	WG47479-LCS	WG47479-2	ABA2198	01/25/08	0447
02	WG47479-LCSD	WG47479-3	ABA2199	01/25/08	0535
03	AWD-GW-MW403-2008	SB0196-1DL	ABA4005	01/30/08	1911
04	AWD-GW-MW301-2008	SB0196-3	ABA4008	01/30/08	2134
05	AWD-GW-MW14-2008	SB0196-5	ABA4011	01/30/08	2357
06	AWD-GW-DUP2	SB0196-6	ABA4012	01/31/08	0044
07	AWD-SW-SW1-20080111	SB0230-1	ABA4017	01/31/08	0442
08	AWD-SW-PZ203-200801	SB0230-2	ABA4018	01/31/08	0529
09	AWD-GW-MW202-200801	SB0230-3DL	ABA4020	01/31/08	0704
10	AWD-SW-DUP1	SB0230-5	ABA4021	01/31/08	0751
11	AWD-GW-MW404-2008	SB0196-2	ABA4043	02/01/08	0136
12	AWD-GW-MW305-2008	SB0196-4	ABA4044	02/01/08	0224
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					

COMMENTS:

FORM IVDRO

FORM 8
DRO ANALYTICAL SEQUENCE

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 426 NLON SDG No.: CTO426-1

GC Column: ZB-1 ID: 0.25 (mm) Init. Calib. Date(s): 09/26/07 09/26/07

Instrument ID: GC10

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION
S1 : 14.64

	CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	S1 RT #	RT #
01		PHC 200UG/ML	09/26/07	1746	14.65	
02		PHC 100UG/ML	09/26/07	1834	14.64	
03		PHC 50UG/ML	09/26/07	1921	14.63	
04		PHC 20UG/ML	09/26/07	2008	14.63	
05		PHC 5UG/ML	09/26/07	2056	14.64	
06		IND 50UG/ML	09/26/07	2143		
07						
08						
09						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						

S1 = O-Terphenyl QC LIMITS (+/- 0.44 MINUTES)

Column used to flag retention time values with an asterisk.
* Values outside of QC limits.

FORM VIII DRO

FORM 8
DRO ANALYTICAL SEQUENCE

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 426 NLON SDG No.: CTO426-1

GC Column: ZB-1 ID: 0.25 (mm) Init. Calib. Date(s): 09/26/07 09/26/07

Instrument ID: GC10

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION
S1 : 14.29

	CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	S1 RT #	RT #
01		PHC 50UG/ML	01/25/08	0049	14.24	
02	WG47479-BLAN	WG47479-1	01/25/08	0400	14.24	
03	WG47479-LCS	WG47479-2	01/25/08	0447	14.24	
04	WG47479-LCSD	WG47479-3	01/25/08	0535	14.24	
05		PHC 50UG/ML	01/25/08	2042	14.23	
06		PHC 50UG/ML	01/30/08	1736	14.17	
07	AWD-GW-MW403	SB0196-1DL	01/30/08	1911	14.16	
08	AWD-GW-MW301	SB0196-3	01/30/08	2134	14.15	
09	AWD-GW-MW14-	SB0196-5	01/30/08	2357	14.15	
10	AWD-GW-DUP2	SB0196-6	01/31/08	0044	14.15	
11		PHC 50UG/ML	01/31/08	0306	14.16	
12	AWD-SW-SW1-2	SB0230-1	01/31/08	0442	14.16	
13	AWD-SW-PZ203	SB0230-2	01/31/08	0529	14.16	
14	AWD-GW-MW202	SB0230-3DL	01/31/08	0704	14.17	
15	AWD-SW-DUP1	SB0230-5	01/31/08	0751	14.16	
16		PHC 20UG/ML	01/31/08	1059	14.18	
17	AWD-GW-MW101	SB0168-1	01/31/08	1151	14.17	
18	AWD-GW-MW102	SB0168-2	01/31/08	1239	14.16	
19	WD-GW-MW103-	SB0168-3	01/31/08	1326	14.17	
20	AWD-GW-MW104	SB0168-4	01/31/08	1413	14.17	

QC LIMITS
S1 = O-Terphenyl (+/- 0.43 MINUTES)

Column used to flag retention time values with an asterisk.
* Values outside of QC limits.

FORM 8
DRO ANALYTICAL SEQUENCE

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 426 NLON SDG No.: CTO426-1

GC Column: ZB-1 ID: 0.25 (mm) Init. Calib. Date(s): 09/26/07 09/26/07

Instrument ID: GC10

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION
S1 : 14.29

	CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	S1 RT #	RT #
01	AWD-GW-MW201	SB0168-5	01/31/08	1500	14.17	
02	AWD-GW-MW302	SB0168-7	01/31/08	1546	14.16	
03	AWD-GW-MW303	SB0168-8	01/31/08	1654	14.16	
04	AWD-GW-MW304	SB0168-9	01/31/08	1742	14.16	
05	AWD-GW-MW401	SB0168-10	01/31/08	1829	14.16	
06	AWD-GW-MW402	SB0168-11	01/31/08	1916	14.15	
07	AWD-GW-DUP1	SB0168-12	01/31/08	2004	14.15	
08		PHC 50UG/ML	01/31/08	2139	14.15	
09	WG47340-BLAN	WG47340-1	01/31/08	2226	14.16	
10	WG47340-LCS	WG47340-2	01/31/08	2314	14.16	
11	WD-GW-MW103-	WG47340-3	02/01/08	0001	14.16	
12	WD-GW-MW103-	WG47340-4	02/01/08	0049	14.16	
13	AWD-GW-MW404	SB0196-2	02/01/08	0136	14.15	
14	AWD-GW-MW305	SB0196-4	02/01/08	0224	14.15	
15		PHC 50UG/ML	02/01/08	0842	14.17	
16						
17						
18						
19						
20						

QC LIMITS
S1 = O-Terphenyl (+/- 0.43 MINUTES)

Column used to flag retention time values with an asterisk.
* Values outside of QC limits.

FORM VIII DRO

Sample Data Section

KATAHDIN ANALYTICAL SERVICES - ORGANIC DATA QUALIFIERS

U Indicates the compound was analyzed for but not detected above the laboratory Practical Quantitation Limit.

* Compound recovery outside of quality control limits.

D Indicates the result was obtained from analysis of a diluted sample. Surrogate recoveries may not be calculable.

E Estimated value. This flag identifies compounds whose concentrations exceed the upper level of the calibration range of the instrument for that specific analysis.

J Estimated value. The analyte was detected in the sample at a concentration less than the laboratory Practical Quantitation Limit (PQL), but above the Method Detection Limit (MDL).

or

J Used for Pesticide/Aroclor analyte when there is a greater than 40% difference for detected concentrations between the two GC columns.

B Indicates the analyte was detected in the laboratory method blank analyzed concurrently with the sample.

N Presumptive evidence of a compound based on a mass spectral library search.

A Indicates that a tentatively identified compound is a suspected aldol-condensation product.

P Used for Pesticide/Aroclor analyte when there is a greater than 25% difference for detected concentrations between the two GC columns. (for CLP methods only).

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
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 01/08/08
Received Date: 01/10/08
Extraction Date: 01/11/08
Analysis Date: 31-JAN-2008 11:51
Report Date: 02/01/2008
Matrix: WATER
% Solids: NA

Lab ID: SB0168-1
Client ID: AWD-GW-MW101-2008
SDG: CTO426-1
Extracted by: KF
Extraction Method: SW846 3510
Analyst: KGT
Analysis Method: SW846 M8015B
Lab Prep Batch: WG47340
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
	TPH	U	75	1.0	75	75	43
	O-Terphenyl		72%				

Data File: \\Target_server\GG\chem\gc10.i\GC10BA30B1.b\ABA4026.d
Report Date: 01-Feb-2008 13:20

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gc10.i\GC10BA30B1.b\ABA4026.d
Lab Smp Id: SB0168-1 Client Smp ID: AWD-GW-MW101-2008
Inj Date : 31-JAN-2008 11:51
Operator : KGT Inst ID: gc10.i
Smp Info : TPHB020D.M,GC10AA30B1.B,1,SB0168-1
Misc Info : SW846 M8015B
Comment :
Method : \\Target_server\GG\chem\gc10.i\GC10BA30B1.b\TPHB020D.m
Meth Date : 01-Feb-2008 09:27 ktanguay Quant Type: ESTD
Cal Date : 26-SEP-2007 20:56 Cal File: AAI4061A.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: SW8015M-TPH.sub
Subtraction File: \\Target_server\GG\chem\gc10.i\GC10AA30B1.b\ABA4024.d
Target Version: 4.12
Processing Host: TARGET02

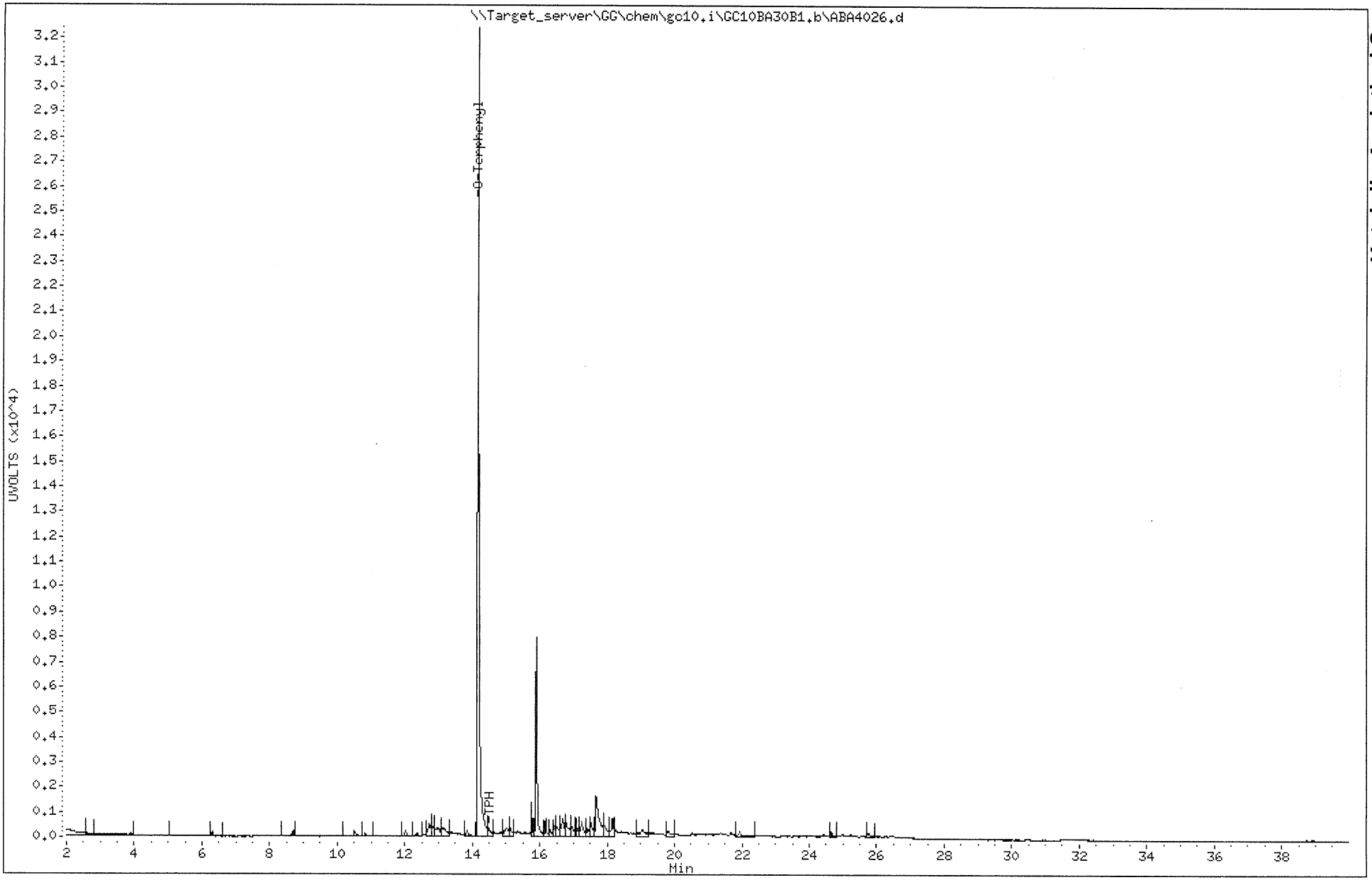
Concentration Formula: Amt * DF * (Vt/Vo)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00100	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)
$ 8 O-Terphenyl	14.171	14.170	0.001	115163	14.3568	13.7

Data File: \\Target_server\GC\chem\gc10.i\GC10BA30B1.b\ABA4026.d
Date : 31-JAN-2008 11:51
Client ID: AWD-GW-MW101-2008
Sample Info: TPHB020D.M,GC10AA30B1.B,1,SB0168-1
Purge Volume: 1.1
Column phase: ZB-1

Instrument: gc10.i
Operator: KGT
Column diameter: 0.25



Katahdin Analytical Services 2000014

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 01/08/08
Received Date: 01/10/08
Extraction Date: 01/11/08
Analysis Date: 31-JAN-2008 12:39
Report Date: 02/01/2008
Matrix: WATER
% Solids: NA

Lab ID: SB0168-2
Client ID: AWD-GW-MW102-2008
SDG: CTO426-1
Extracted by: KF
Extraction Method: SW846 3510
Analyst: KGT
Analysis Method: SW846 M8015B
Lab Prep Batch: WG47340
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
	TPH		250	1.0	75	75	43
	O-Terphenyl		69%				

Data File: \\Target_server\GG\chem\gc10.i\GC10BA30B1.b\ABA4027.d
Report Date: 01-Feb-2008 13:20

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gc10.i\GC10BA30B1.b\ABA4027.d
Lab Smp Id: SB0168-2 Client Smp ID: AWD-GW-MW102-2008
Inj Date : 31-JAN-2008 12:39
Operator : KGT Inst ID: gc10.i
Smp Info : TPHB020D.M,GC10AA30B1.B,1,SB0168-2
Misc Info : SW846 M8015B
Comment :
Method : \\Target_server\GG\chem\gc10.i\GC10BA30B1.b\TPHB020D.m
Meth Date : 01-Feb-2008 09:27 ktanguay Quant Type: ESTD
Cal Date : 26-SEP-2007 20:56 Cal File: AAI4061A.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: SW8015M-TPH.sub
Subtraction File: \\Target_server\GG\chem\gc10.i\GC10AA30B1.b\ABA4024.d
Target Version: 4.12
Processing Host: TARGET02

Concentration Formula: Amt * DF * (Vt/Vo)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00100	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)	FINAL (ug/L)
S 10 TPH	2.290	-26.789		2058052	260.105	248(M)
$ 8 O-Terphenyl	14.160	14.170	-0.010	110506	13.7362	13.1(M)

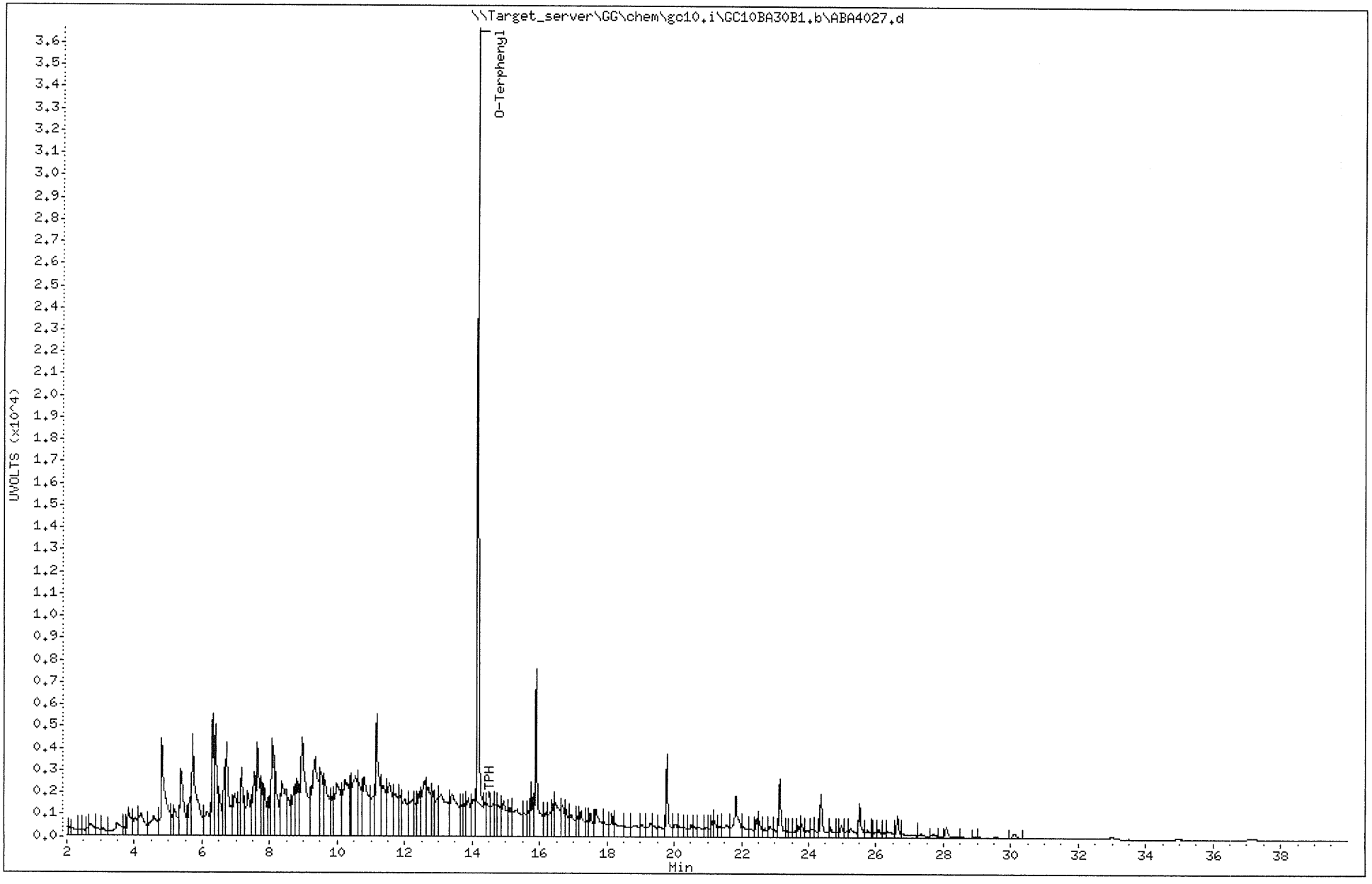
MZ
JR
020108

QC Flag Legend

M - Compound response manually integrated.

Data File: \\Target_server\GC\chem\gc10.i\GC10BA30B1.b\ABA4027.d
Date : 31-JAN-2008 12:39
Client ID: AWD-GW-MW102-2008
Sample Info: TPHB020D.M,GC10AA30B1.B,1,SB0168-2
Purge Volume: 1.1
Column phase: ZB-1

Instrument: gc10.i
Operator: KGT
Column diameter: 0.25



Katahdin Analytical Services 2000017

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 01/08/08
Received Date: 01/10/08
Extraction Date: 01/11/08
Analysis Date: 31-JAN-2008 13:26
Report Date: 02/01/2008
Matrix: WATER
% Solids: NA

Lab ID: SB0168-3
Client ID: WD-GW-MW103-2008
SDG: CTO426-1
Extracted by: KF
Extraction Method: SW846 3510
Analyst: KGT
Analysis Method: SW846 M8015B
Lab Prep Batch: WG47340
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
	TPH		140	1.0	75	75	42
	O-Terphenyl		64%				

Data File: \\Target_server\GG\chem\gc10.i\GC10BA30B1.b\ABA4028.d
Report Date: 01-Feb-2008 13:43

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gc10.i\GC10BA30B1.b\ABA4028.d
Lab Smp Id: SB0168-3 Client Smp ID: WD-GW-MW103-2008
Inj Date : 31-JAN-2008 13:26
Operator : KGT Inst ID: gc10.i
Smp Info : TPHB020D.M,GC10AA30B1.B,1,SB0168-3
Misc Info : SW846 M8015B
Comment :
Method : \\Target_server\GG\chem\gc10.i\GC10BA30B1.b\tphb020D.m
Meth Date : 01-Feb-2008 13:21 jprescott Quant Type: ESTD
Cal Date : 26-SEP-2007 20:56 Cal File: AAI4061A.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: SW8015M-TPH.sub
Subtraction File: \\Target_server\GG\chem\gc10.i\GC10AA30B1.b\ABA4024.d
Target Version: 4.12

Concentration Formula: Amt * DF * (Vt/Vo)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00100	Final Volume (L)
Vo	1.060	Sample Volume (L)
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/L)
S 10 TPH	2.290	26.789		1306652	150.162	142(M)
$ 8 O-Terphenyl	14.173	14.170	0.003	103464	12.7979	12.1(M)

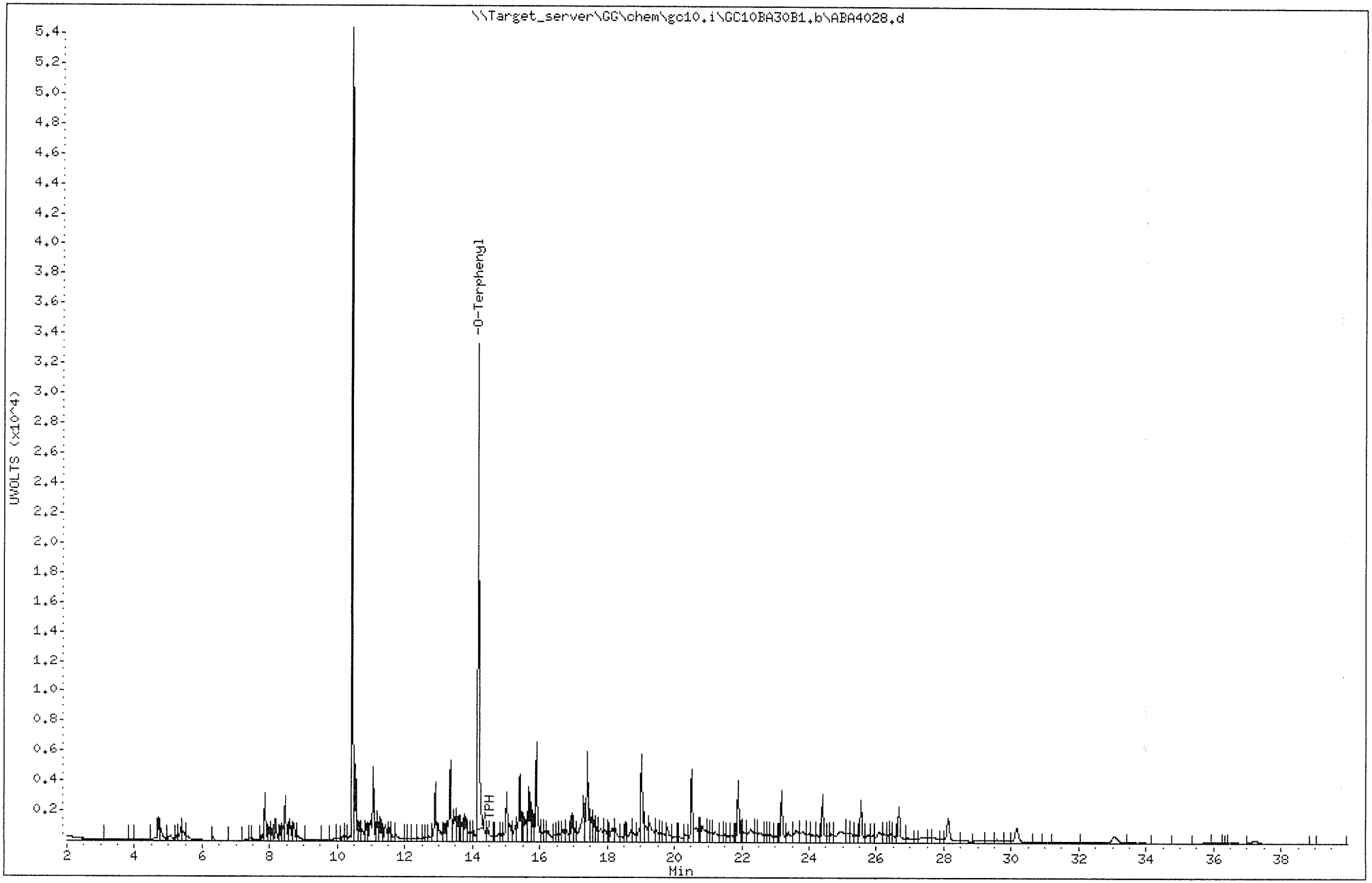
MZ
JP
020108

QC Flag Legend

M - Compound response manually integrated.

Data File: \\Target_server\GC\chem\gc10.i\GC10BA30B1.b\ABA4028.d
Date : 31-JAN-2008 13:26
Client ID: WD-GW-MW103-2008
Sample Info: TPHB020D.M,GC10AA30B1.B,1,SB0168-3
Purge Volume: 1.1
Column phase: ZB-1

Instrument: gc10.i
Operator: KGT
Column diameter: 0.25



Katahdin Analytical Services 2000020

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 01/08/08
Received Date: 01/10/08
Extraction Date: 01/11/08
Analysis Date: 31-JAN-2008 14:13
Report Date: 02/01/2008
Matrix: WATER
% Solids: NA

Lab ID: SB0168-4
Client ID: AWD-GW-MW104-2008
SDG: CTO426-1
Extracted by: KF
Extraction Method: SW846 3510
Analyst: KGT
Analysis Method: SW846 M8015B
Lab Prep Batch: WG47340
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
	TPH	U	75	1.0	75	75	45
	O-Terphenyl		67%				

Data File: \\Target_server\GG\chem\gc10.i\GC10BA30B1.b\ABA4029.d
Report Date: 01-Feb-2008 13:20

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gc10.i\GC10BA30B1.b\ABA4029.d
Lab Smp Id: SB0168-4 Client Smp ID: AWD-GW-MW104-2008
Inj Date : 31-JAN-2008 14:13
Operator : KGT Inst ID: gc10.i
Smp Info : TPHB020D.M,GC10AA30B1.B,1,SB0168-4
Misc Info : SW846 M8015B
Comment :
Method : \\Target_server\GG\chem\gc10.i\GC10BA30B1.b\TPHB020D.m
Meth Date : 01-Feb-2008 09:27 ktanguay Quant Type: ESTD
Cal Date : 26-SEP-2007 20:56 Cal File: AAI4061A.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: SW8015M-TPH.sub
Subtraction File: \\Target_server\GG\chem\gc10.i\GC10AA30B1.b\ABA4024.d
Target Version: 4.12
Processing Host: TARGET02

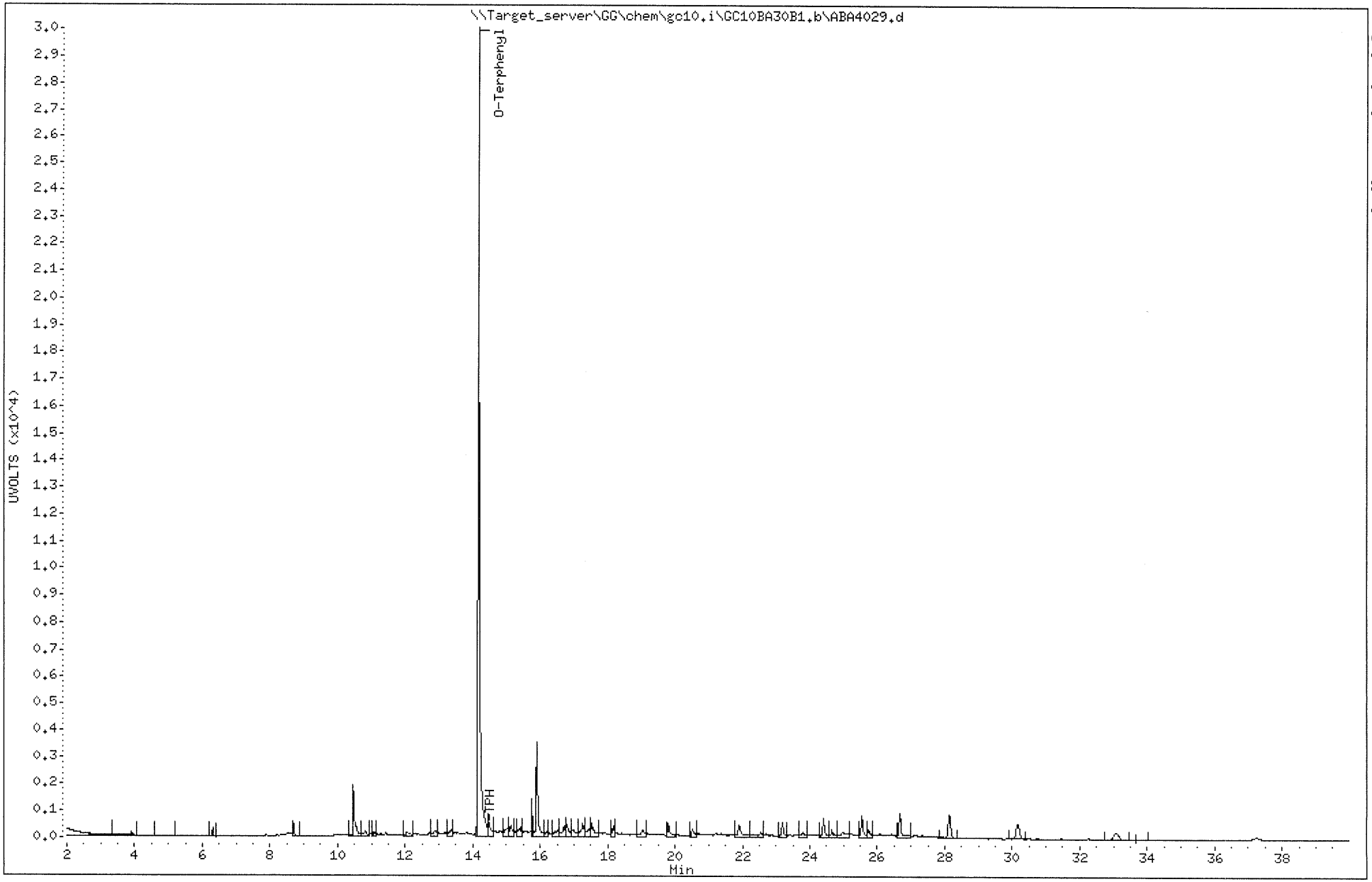
Concentration Formula: Amt * DF * (Vt/Vo)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00100	Final Volume (L)
Vo	1.000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/L)
$ 8 O-Terphenyl	14.174	14.170	0.004	108688	13.4940	13.5

Data File: \\Target_server\GG\chem\gc10.i\GC10BA30B1.b\ABA4029.d
Date : 31-JAN-2008 14:13
Client ID: AWD-GW-MW104-2008
Sample Info: TPHB020D.M,GC10AA30B1.B,1,SB0168-4
Purge Volume: 1.0
Column phase: ZB-1

Instrument: gc10.i
Operator: KGT
Column diameter: 0.25



Katahdin Analytical Services 2000023

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 01/08/08
Received Date: 01/10/08
Extraction Date: 01/11/08
Analysis Date: 31-JAN-2008 15:00
Report Date: 02/01/2008
Matrix: WATER
% Solids: NA

Lab ID: SB0168-5
Client ID: AWD-GW-MW201-2008
SDG: CTO426-1
Extracted by: KF
Extraction Method: SW846 3510
Analyst: KGT
Analysis Method: SW846 M8015B
Lab Prep Batch: WG47340
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
	TPH	U	75	1.0	75	75	44
	O-Terphenyl		82%				

Data File: \\Target_server\GG\chem\gc10.i\GC10BA30B1.b\ABA4030.d
Report Date: 01-Feb-2008 13:20

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gc10.i\GC10BA30B1.b\ABA4030.d
Lab Smp Id: SB0168-5 Client Smp ID: AWD-GW-MW201-2008
Inj Date : 31-JAN-2008 15:00
Operator : KGT Inst ID: gc10.i
Smp Info : TPHB020D.M,GC10AA30B1.B,1,SB0168-5
Misc Info : SW846 M8015B
Comment :
Method : \\Target_server\GG\chem\gc10.i\GC10BA30B1.b\TPHB020D.m
Meth Date : 01-Feb-2008 09:27 ktanguay Quant Type: ESTD
Cal Date : 26-SEP-2007 20:56 Cal File: AAI4061A.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: SW8015M-TPH.sub
Subtraction File: \\Target_server\GG\chem\gc10.i\GC10AA30B1.b\ABA4024.d
Target Version: 4.12
Processing Host: TARGET02

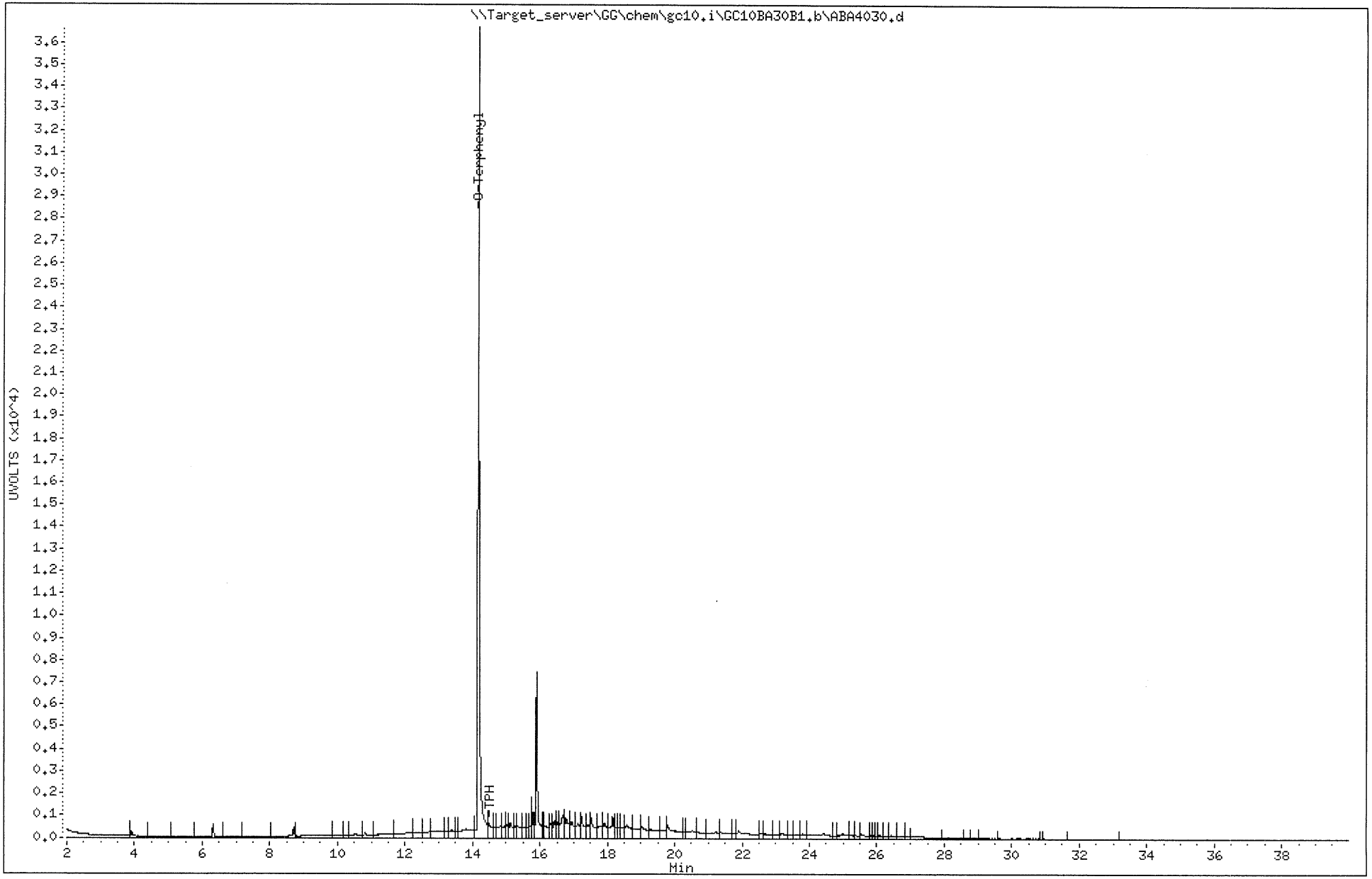
Concentration Formula: Amt * DF * (Vt/Vo)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00100	Final Volume (L)
Vo	1.020	Sample Volume (L)
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/L)
$ 8 O-Terphenyl	14.171	14.170	0.001	131166	16.4891	16.2

Data File: \\Target_server\GC\chem\gc10.i\GC10BA30B1.b\ABA4030.d
Date : 31-JAN-2008 15:00
Client ID: AWD-GW-MW201-2008
Sample Info: TPHB020D.M,GC10AA30B1.B,1,SB0168-5
Purge Volume: 1.0
Column phase: ZB-1

Instrument: gc10.i
Operator: KGT
Column diameter: 0.25



Katahdin Analytical Services 2000026

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 01/08/08
Received Date: 01/10/08
Extraction Date: 01/11/08
Analysis Date: 31-JAN-2008 15:46
Report Date: 02/01/2008
Matrix: WATER
% Solids: NA

Lab ID: SB0168-7
Client ID: AWD-GW-MW302-2008
SDG: CTO426-1
Extracted by: KF
Extraction Method: SW846 3510
Analyst: KGT
Analysis Method: SW846 M8015B
Lab Prep Batch: WG47340
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
	TPH		290	1.0	75	80	48
	O-Terphenyl		77%				

Data File: \\Target_server\GG\chem\gc10.i\GC10BA30B1.b\ABA4031.d
Report Date: 01-Feb-2008 13:20

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gc10.i\GC10BA30B1.b\ABA4031.d
Lab Smp Id: SB0168-7 Client Smp ID: AWD-GW-MW302-2008
Inj Date : 31-JAN-2008 15:46
Operator : KGT Inst ID: gc10.i
Smp Info : TPHB020D.M,GC10AA30B1.B,1,SB0168-7
Misc Info : SW846 M8015B
Comment :
Method : \\Target_server\GG\chem\gc10.i\GC10BA30B1.b\TPHB020D.m
Meth Date : 01-Feb-2008 09:27 ktanguay Quant Type: ESTD
Cal Date : 26-SEP-2007 20:56 Cal File: AAI4061A.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: SW8015M-TPH.sub
Subtraction File: \\Target_server\GG\chem\gc10.i\GC10AA30B1.b\ABA4024.d
Target Version: 4.12
Processing Host: TARGET02

Concentration Formula: Amt * DF * (Vt/Vo)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00100	Final Volume (L)
Vo	0.94000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/L)
S 10 TPH	2.290	-26.789		2134355	271.269	288(M)
$ 8 O-Terphenyl	14.160	14.170	-0.010	123098	15.4141	16.4(M)

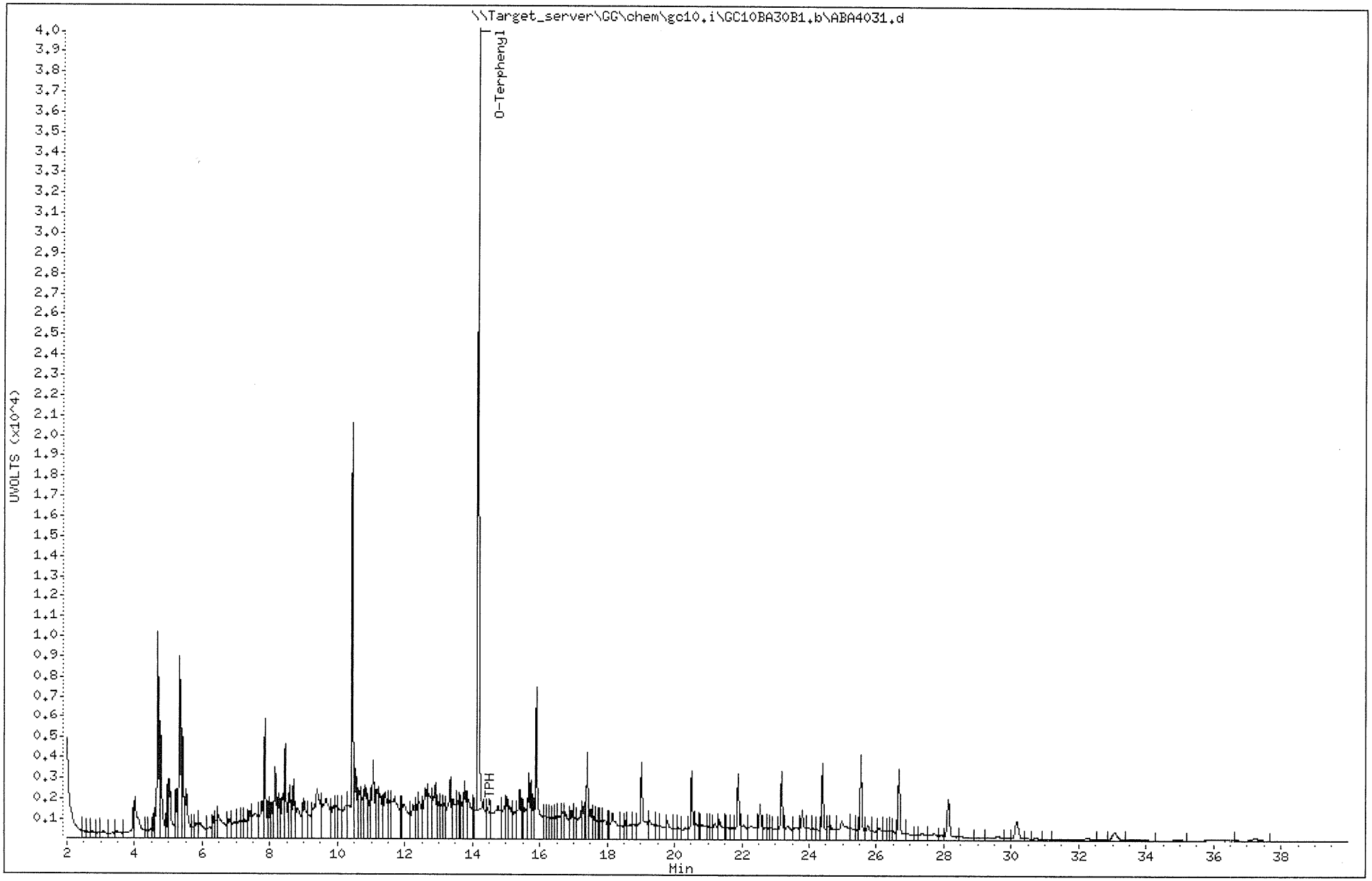
MZ
JP
020108

QC Flag Legend

M - Compound response manually integrated.

Data File: \\Target_server\GG\chem\gc10.i\GC10BA30B1.b\ABA4031.d
Date : 31-JAN-2008 15:46
Client ID: AWD-GW-MW302-2008
Sample Info: TPHB020D.M,GC10AA30B1.B,1,SB0168-7
Purge Volume: 0.9
Column phase: ZB-1

Instrument: gc10.i
Operator: KGT
Column diameter: 0.25



Katahdin Analytical Services 2000029

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 01/08/08
Received Date: 01/10/08
Extraction Date: 01/11/08
Analysis Date: 31-JAN-2008 16:54
Report Date: 02/01/2008
Matrix: WATER
% Solids: NA

Lab ID: SB0168-8
Client ID: AWD-GW-MW303-2008
SDG: CTO426-1
Extracted by: KF
Extraction Method: SW846 3510
Analyst: KGT
Analysis Method: SW846 M8015B
Lab Prep Batch: WG47340
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
	TPH		1700	1.0	75	75	42
	O-Terphenyl		75%				

Data File: \\Target_server\GG\chem\gc10.i\GC10BA30B1.b\ABA4032.d
Report Date: 01-Feb-2008 13:20

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gc10.i\GC10BA30B1.b\ABA4032.d
Lab Smp Id: SB0168-8 Client Smp ID: AWD-GW-MW303-2008
Inj Date : 31-JAN-2008 16:54
Operator : KGT Inst ID: gc10.i
Smp Info : TPHB020D.M,GC10AA30B1.B,1,SB0168-8
Misc Info : SW846 M8015B
Comment :
Method : \\Target_server\GG\chem\gc10.i\GC10BA30B1.b\TPHB020D.m
Meth Date : 01-Feb-2008 09:27 ktanguay Quant Type: ESTD
Cal Date : 26-SEP-2007 20:56 Cal File: AAI4061A.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: SW8015M-TPH.sub
Subtraction File: \\Target_server\GG\chem\gc10.i\GC10AA30B1.b\ABA4024.d
Target Version: 4.12
Processing Host: TARGET02

Concentration Formula: Amt * DF * (Vt/Vo)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00100	Final Volume (L)
Vo	1.060	Sample Volume (L)
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/L)
S 10 TPH	2.290	-26.789		12855206	1839.92	1740(M)
$ 8 O-Terphenyl	14.160	14.170	-0.010	120302	15.0415	14.2(M)

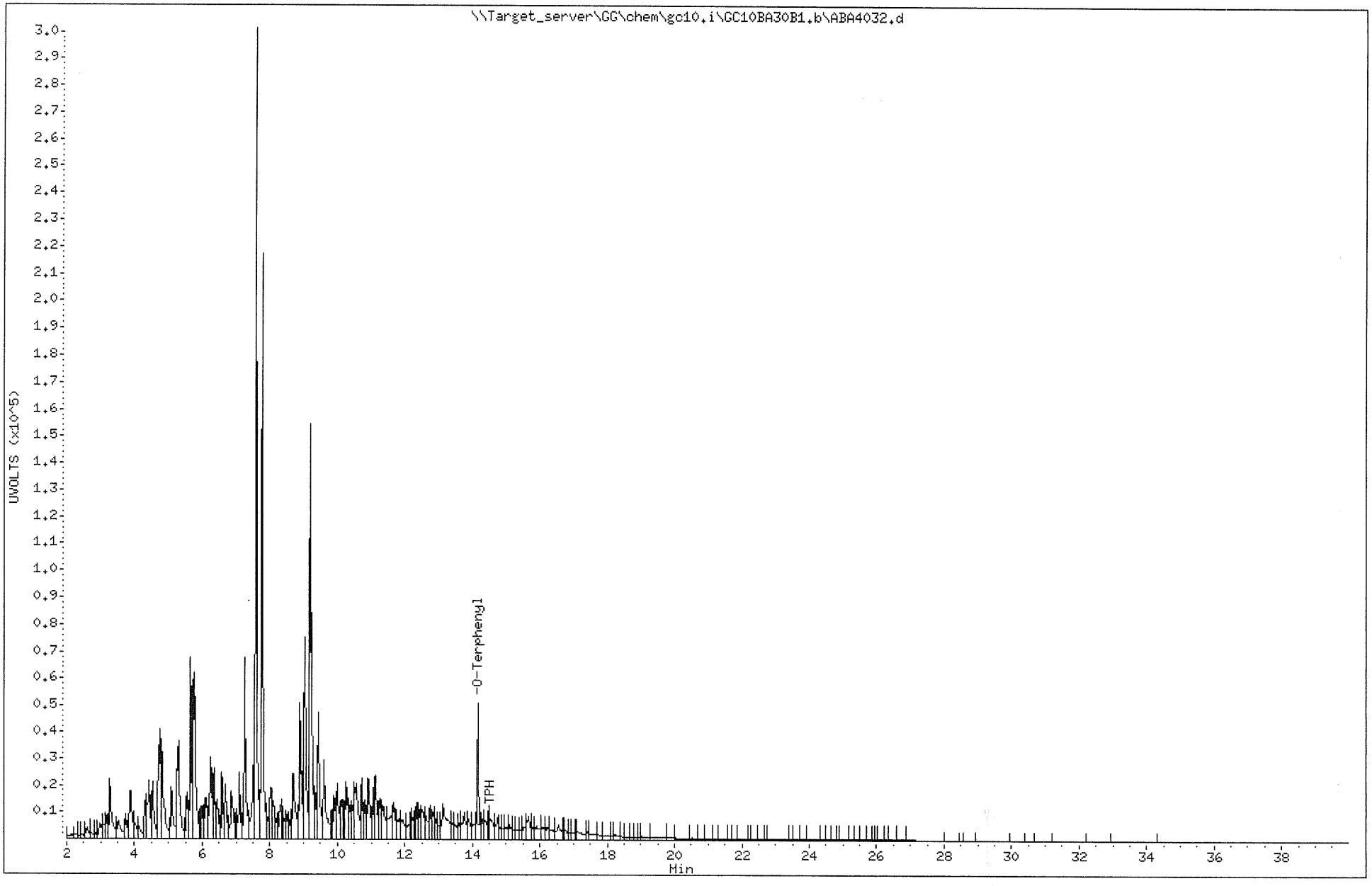
M2
JR
020108

QC Flag Legend

M - Compound response manually integrated.

Data File: \\Target_server\GG\chem\gc10.i\GC10BA30B1.b\ABA4032.d
Date : 31-JAN-2008 16:54
Client ID: AWD-GW-MW303-2008
Sample Info: TPHB020D.M,GC10AA30B1.B,1,SB0168-8
Purge Volume: 1.1
Column phase: ZB-1

Instrument: gc10.i
Operator: KGT
Column diameter: 0.25



Katahdin Analytical Services 2000032

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 01/08/08
Received Date: 01/10/08
Extraction Date: 01/11/08
Analysis Date: 31-JAN-2008 17:42
Report Date: 02/01/2008
Matrix: WATER
% Solids: NA

Lab ID: SB0168-9
Client ID: AWD-GW-MW304-2008
SDG: CTO426-1
Extracted by: KF
Extraction Method: SW846 3510
Analyst: KGT
Analysis Method: SW846 M8015B
Lab Prep Batch: WG47340
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
	TPH		330	1.0	75	75	43
	O-Terphenyl		77%				

Data File: \\Target_server\GG\chem\gc10.i\GC10BA30B1.b\ABA4033.d
Report Date: 01-Feb-2008 13:20

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gc10.i\GC10BA30B1.b\ABA4033.d
Lab Smp Id: SB0168-9 Client Smp ID: AWD-GW-MW304-2008
Inj Date : 31-JAN-2008 17:42
Operator : KGT Inst ID: gc10.i
Smp Info : TPHB020D.M,GC10AA30B1.B,1,SB0168-9
Misc Info : SW846 M8015B
Comment :
Method : \\Target_server\GG\chem\gc10.i\GC10BA30B1.b\TPHB020D.m
Meth Date : 01-Feb-2008 09:27 ktanguay Quant Type: ESTD
Cal Date : 26-SEP-2007 20:56 Cal File: AAI4061A.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: SW8015M-TPH.sub
Subtraction File: \\Target_server\GG\chem\gc10.i\GC10AA30B1.b\ABA4024.d
Target Version: 4.12
Processing Host: TARGET02

Concentration Formula: Amt * DF * (Vt/Vo)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00100	Final Volume (L)
Vo	1.040	Sample Volume (L)
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/L)
S 10 TPH	2.290	26.789		2656655	347.691	334(M)
$ 8 O-Terphenyl	14.160	14.170	-0.010	123729	15.4982	14.9(M)

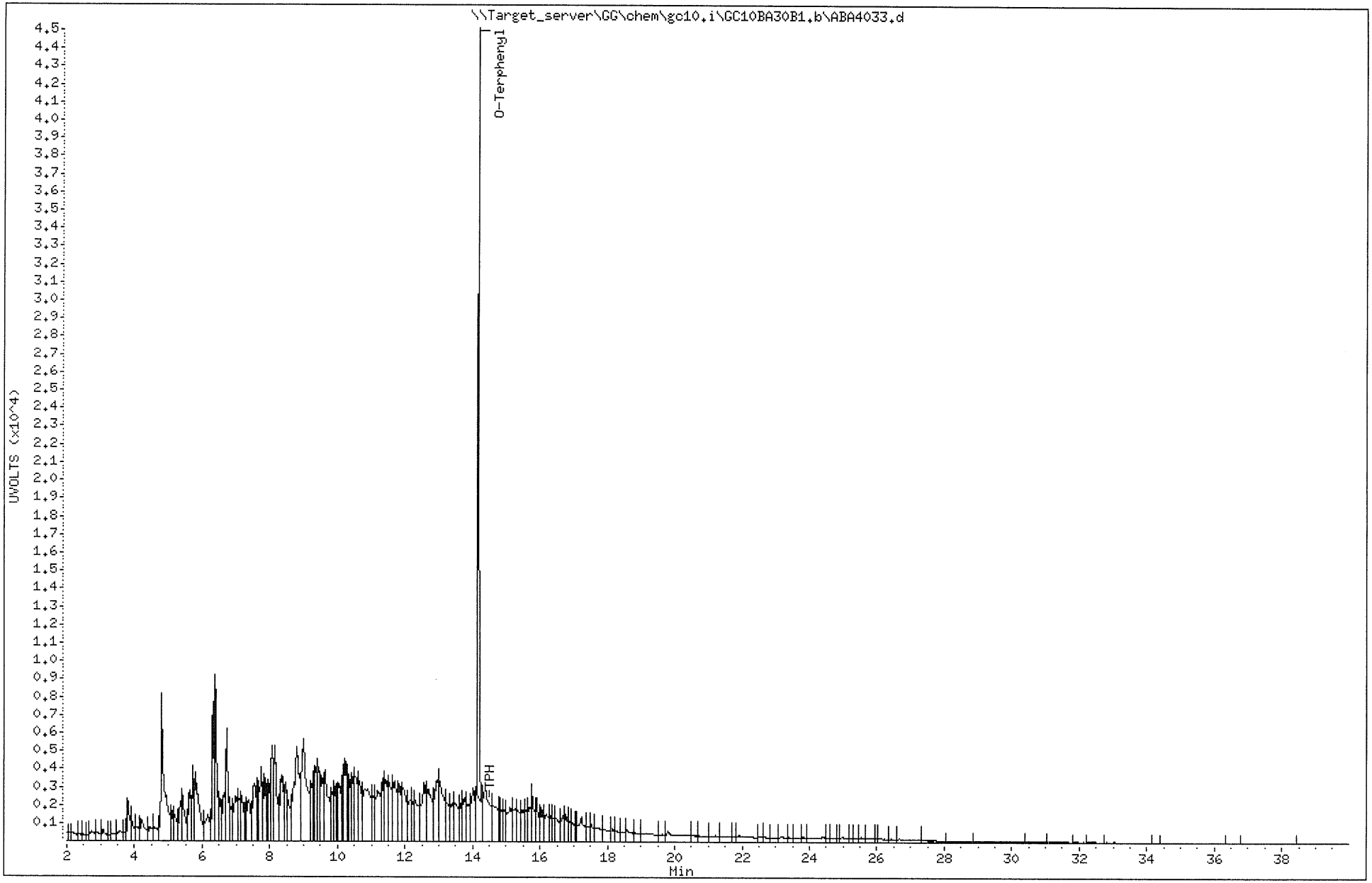
MJ
JR
020108

QC Flag Legend

M - Compound response manually integrated.

Data File: \\Target_server\GC\chem\gc10.i\GC10BA30B1.b\ABA4033.d
Date : 31-JAN-2008 17:42
Client ID: AWD-GW-MW304-2008
Sample Info: TPHB020D.M,GC10AA30B1.B,1,SB0168-9
Purge Volume: 1.0
Column phase: ZB-1

Instrument: gc10.i
Operator: KGT
Column diameter: 0.25



Katahdin Analytical Services 2000035

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 01/09/08
Received Date: 01/10/08
Extraction Date: 01/11/08
Analysis Date: 31-JAN-2008 18:29
Report Date: 02/01/2008
Matrix: WATER
% Solids: NA

Lab ID: SB0168-10
Client ID: AWD-GW-MW401-2008
SDG: CTO426-1
Extracted by: KF
Extraction Method: SW846 3510
Analyst: KGT
Analysis Method: SW846 M8015B
Lab Prep Batch: WG47340
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
	TPH	U	75	1.0	75	75	43
	O-Terphenyl		77%				

Data File: \\Target_server\GG\chem\gc10.i\GC10BA30B1.b\ABA4034.d
Report Date: 01-Feb-2008 13:20

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gc10.i\GC10BA30B1.b\ABA4034.d
Lab Smp Id: SB0168-10 Client Smp ID: AWD-GW-MW401-2008
Inj Date : 31-JAN-2008 18:29
Operator : KGT Inst ID: gc10.i
Smp Info : TPHB020D.M,GC10AA30B1.B,1,SB0168-10
Misc Info : SW846 M8015B
Comment :
Method : \\Target_server\GG\chem\gc10.i\GC10BA30B1.b\TPHB020D.m
Meth Date : 01-Feb-2008 09:27 ktanguay Quant Type: ESTD
Cal Date : 26-SEP-2007 20:56 Cal File: AAI4061A.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: SW8015M-TPH.sub
Subtraction File: \\Target_server\GG\chem\gc10.i\GC10AA30B1.b\ABA4024.d
Target Version: 4.12
Processing Host: TARGET02

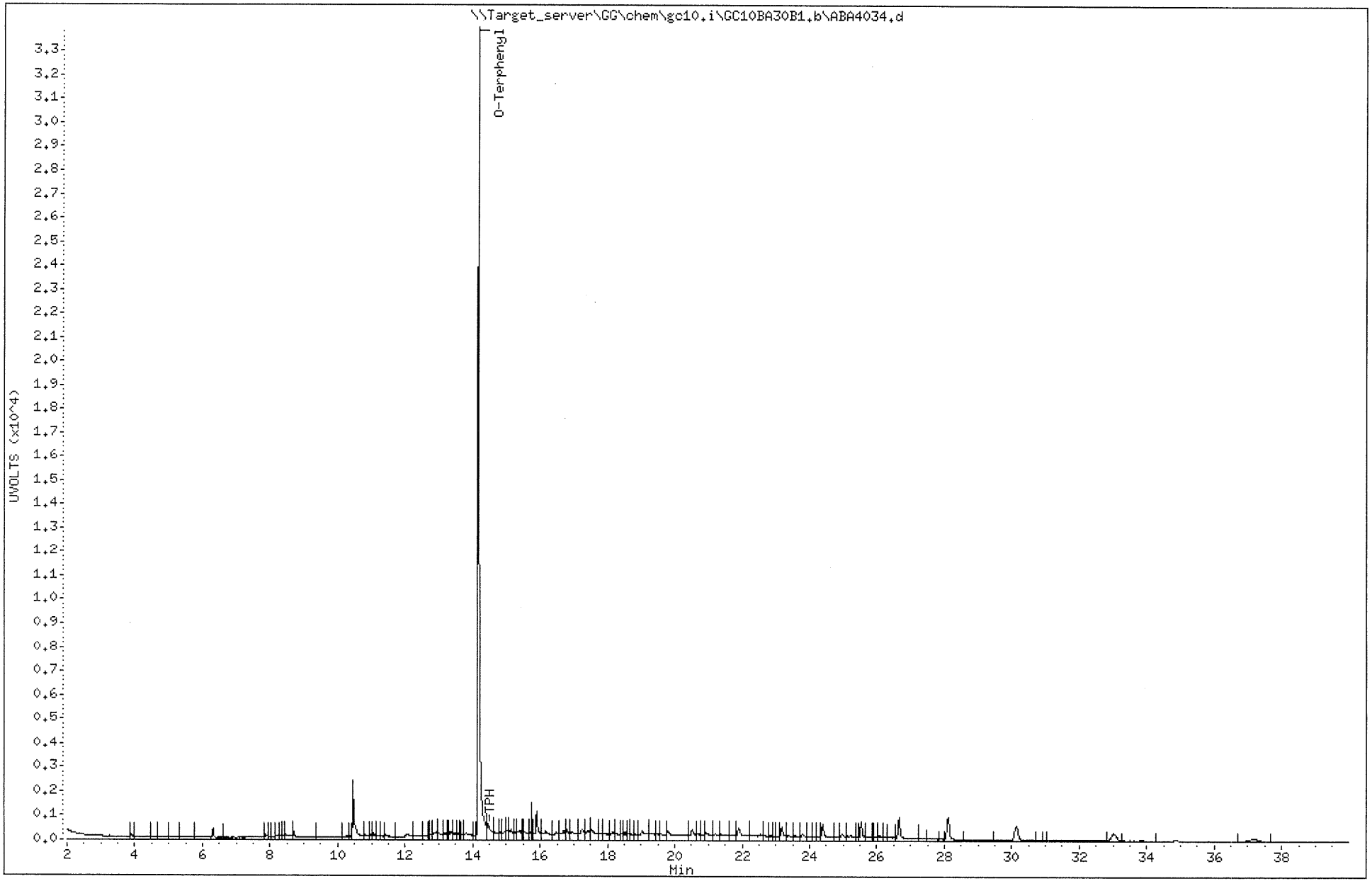
Concentration Formula: Amt * DF * (Vt/Vo)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00100	Final Volume (L)
Vo	1.040	Sample Volume (L)
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/L)
$ 8 O-Terphenyl	14.162	14.170	-0.008	122974	15.3976	14.8

Data File: \\Target_server\GG\chem\gc10.i\GC10BA30B1.b\ABA4034.d
Date : 31-JAN-2008 18:29
Client ID: AWD-GW-MW401-2008
Sample Info: TPHB020D.M,GC10AA30B1.B,1,SB0168-10
Purge Volume: 1.0
Column phase: ZB-1

Instrument: gc10.i
Operator: KGT
Column diameter: 0.25



Katahdin Analytical Services 2000038

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 01/09/08
Received Date: 01/10/08
Extraction Date: 01/11/08
Analysis Date: 31-JAN-2008 19:16
Report Date: 02/01/2008
Matrix: WATER
% Solids: NA

Lab ID: SB0168-11
Client ID: AWD-GW-MW402-2008
SDG: CTO426-1
Extracted by: KF
Extraction Method: SW846 3510
Analyst: KGT
Analysis Method: SW846 M8015B
Lab Prep Batch: WG47340
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
	TPH		840	1.0	75	75	43
	O-Terphenyl		70%				

Data File: \\Target_server\GG\chem\gc10.i\GC10BA30B1.b\ABA4035.d
Report Date: 01-Feb-2008 13:20

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gc10.i\GC10BA30B1.b\ABA4035.d
Lab Smp Id: SB0168-11 Client Smp ID: AWD-GW-MW402-2008
Inj Date : 31-JAN-2008 19:16
Operator : KGT Inst ID: gc10.i
Smp Info : TPHB020D.M,GC10AA30B1.B,1,SB0168-11
Misc Info : SW846 M8015B
Comment :
Method : \\Target_server\GG\chem\gc10.i\GC10BA30B1.b\TPHB020D.m
Meth Date : 01-Feb-2008 09:27 ktanguay Quant Type: ESTD
Cal Date : 26-SEP-2007 20:56 Cal File: AAI4061A.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: SW8015M-TPH.sub
Subtraction File: \\Target_server\GG\chem\gc10.i\GC10AA30B1.b\ABA4024.d
Target Version: 4.12
Processing Host: TARGET02

Concentration Formula: Amt * DF * (Vt/Vo)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00100	Final Volume (L)
Vo	1.040	Sample Volume (L)
Cpnd Variable		Local Compound Variable

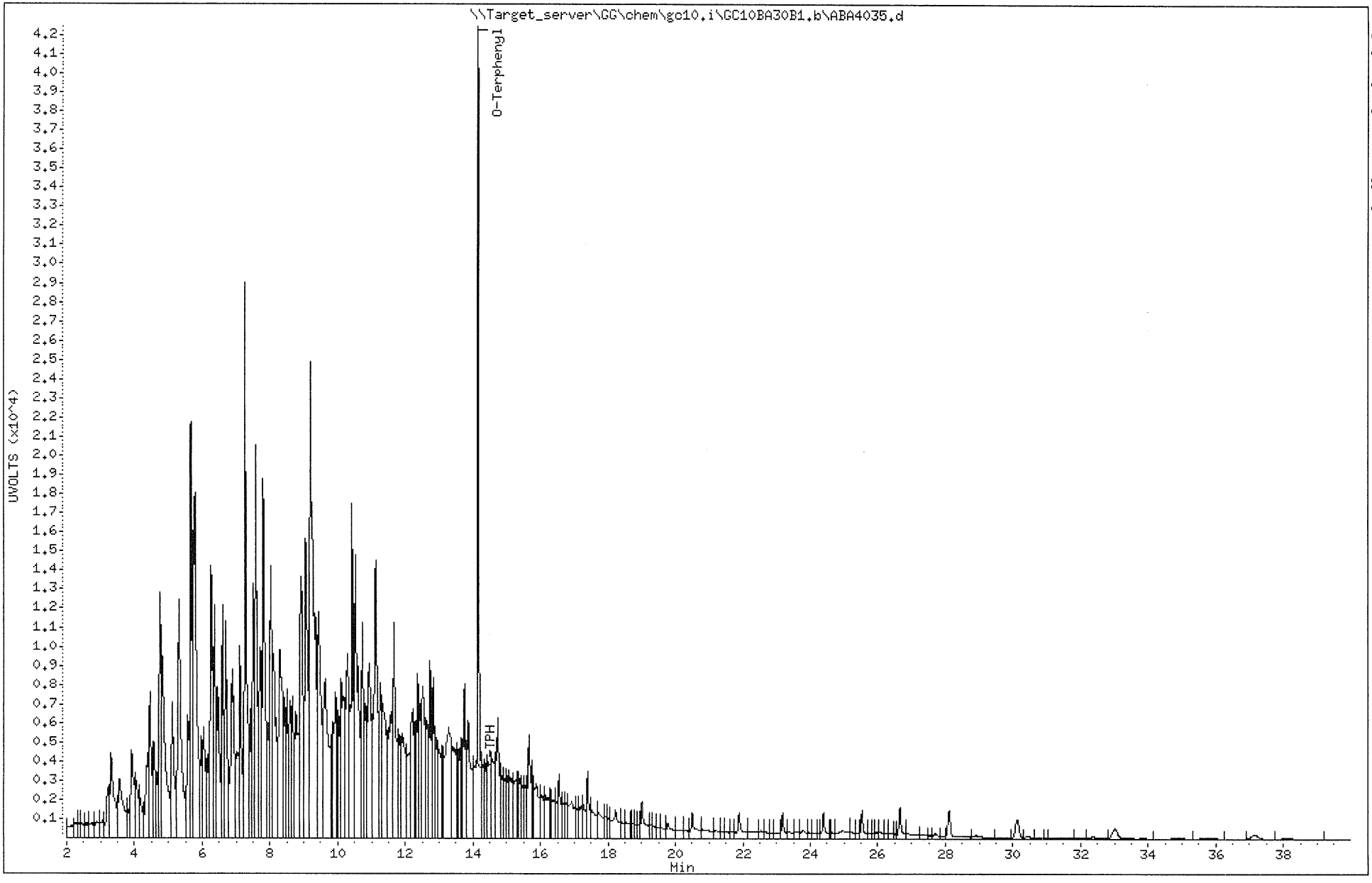
Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/L)
S 10 TPH	2.290	26.789		6250653	873.556	840(M)
$ 8 O-Terphenyl	14.146	14.170	-0.024	113083	14.0796	13.5(M)

MJ
JP
020108

QC Flag Legend

M - Compound response manually integrated.

Data File: \\Target_server\GG\chem\gc10.i\GC10BA30B1.b\ABA4035.d
Date : 31-JAN-2008 19:16
Client ID: AWD-GW-MW402-2008
Instrument: gc10.i
Sample Info: TPHB020D.M,GC10AA30B1.B,1,SB0168-11
Purge Volume: 1.0
Operator: KGT
Column phase: ZB-1
Column diameter: 0.25



Katahdin Analytical Services 2000041

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 01/09/08
Received Date: 01/10/08
Extraction Date: 01/11/08
Analysis Date: 31-JAN-2008 20:04
Report Date: 02/01/2008
Matrix: WATER
% Solids: NA

Lab ID: SB0168-12
Client ID: AWD-GW-DUP1
SDG: CTO426-1
Extracted by: KF
Extraction Method: SW846 3510
Analyst: KGT
Analysis Method: SW846 M8015B
Lab Prep Batch: WG47340
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
	TPH		740	1.0	75	75	43
	O-Terphenyl		65%				

Data File: \\Target_server\GG\chem\gc10.i\GC10BA30B1.b\ABA4036.d
Report Date: 01-Feb-2008 13:20

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gc10.i\GC10BA30B1.b\ABA4036.d
Lab Smp Id: SB0168-12 Client Smp ID: AWD-GW-DUP1
Inj Date : 31-JAN-2008 20:04
Operator : KGT Inst ID: gc10.i
Smp Info : TPHB020D.M,GC10AA30B1.B,1,SB0168-12
Misc Info : SW846 M8015B
Comment :
Method : \\Target_server\GG\chem\gc10.i\GC10BA30B1.b\TPHB020D.m
Meth Date : 01-Feb-2008 09:27 ktanguay Quant Type: ESTD
Cal Date : 26-SEP-2007 20:56 Cal File: AAI4061A.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: SW8015M-TPH.sub
Subtraction File: \\Target_server\GG\chem\gc10.i\GC10AA30B1.b\ABA4024.d
Target Version: 4.12
Processing Host: TARGET02

Concentration Formula: Amt * DF * (Vt/Vo)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00100	Final Volume (L)
Vo	1.040	Sample Volume (L)
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/L)
S 10 TPH	2.290	-26.789		5506102	764.615	735(M)
$ 8 O-Terphenyl	14.146	14.170	-0.024	104688	12.9610	12.5(M)

MJ
JLP
020108

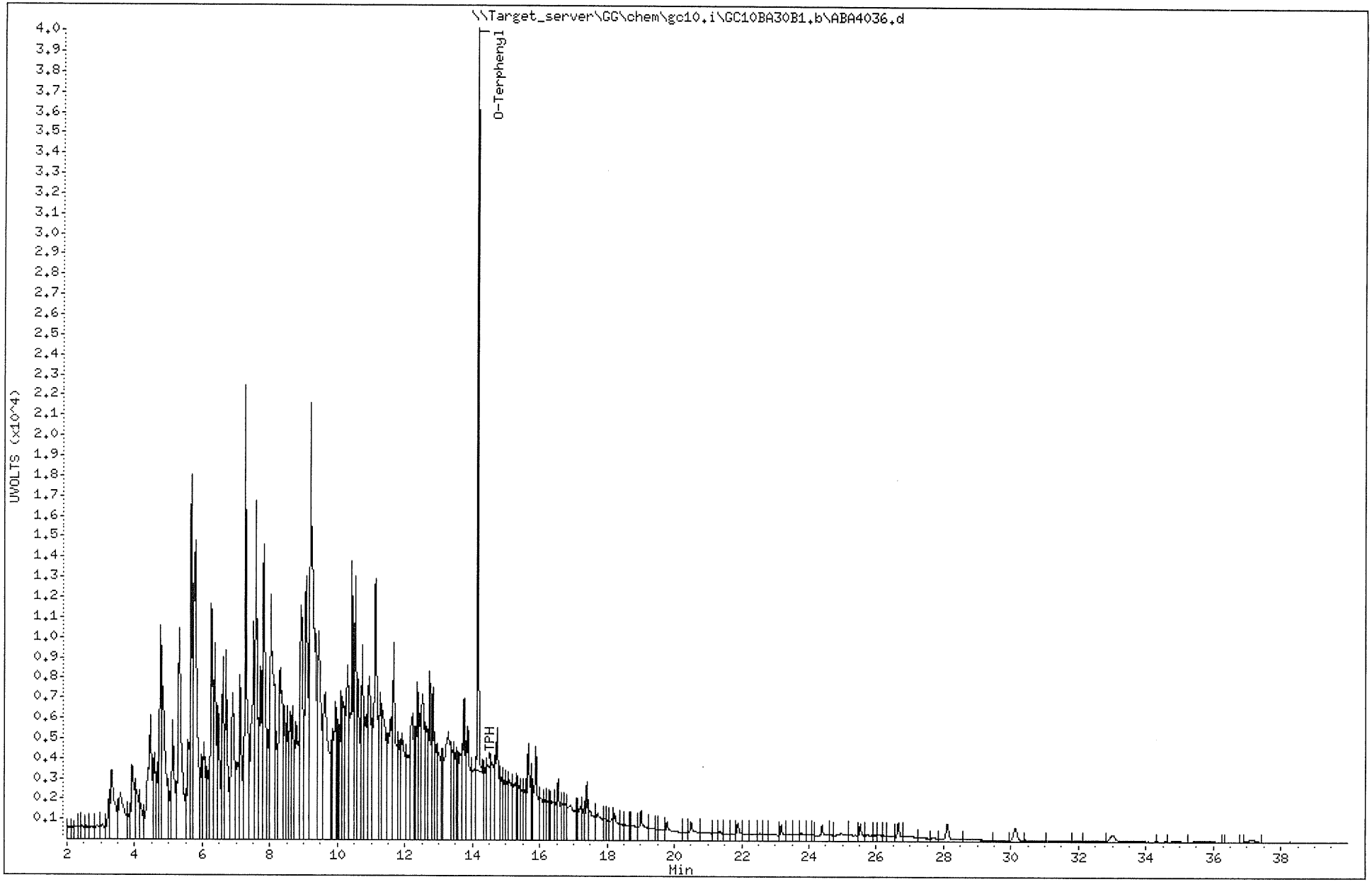
QC Flag Legend

M - Compound response manually integrated.

Data File: \\Target_server\GG\chem\gc10.i\GC10BA30B1.b\ABA4036.d
Date : 31-JAN-2008 20:04
Client ID: AWD-GW-DUP1
Sample Info: TPHB020D.M,GC10AA30B1.B,1,SB0168-12
Purge Volume: 1.0
Column phase: ZB-1

Instrument: gc10.i

Operator: KGT
Column diameter: 0.25



Katahdin Analytical Services 2000044

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 01/09/08
Received Date: 01/11/08
Extraction Date: 01/16/08
Analysis Date: 30-JAN-2008 19:11
Report Date: 02/01/2008
Matrix: WATER
% Solids: NA

Lab ID: SB0196-1DL
Client ID: AWD-GW-MW403-2008
SDG: CTO426-1
Extracted by: KF
Extraction Method: SW846 3510
Analyst: KGT
Analysis Method: SW846 M8015B
Lab Prep Batch: WG47479
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
	TPH		1200	5.0	75	350	210
	O-Terphenyl		49%				

Data File: \\Target_server\GG\chem\gc10.i\GC10BA30B1.b\ABA4005.d
Report Date: 01-Feb-2008 13:19

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gc10.i\GC10BA30B1.b\ABA4005.d
Lab Smp Id: SB0196-1DL Client Smp ID: AWD-GW-MW403-2008
Inj Date : 30-JAN-2008 19:11
Operator : KGT Inst ID: gc10.i
Smp Info : TPHB020D.M,GC10AA30B1.B,5,SB0196-1DL
Misc Info : SW846 M8015B
Comment :
Method : \\Target_server\GG\chem\gc10.i\GC10BA30B1.b\TPHB020D.m
Meth Date : 01-Feb-2008 09:27 ktanguay Quant Type: ESTD
Cal Date : 26-SEP-2007 20:56 Cal File: AAI4061A.d
Als bottle: 1
Dil Factor: 5.00000
Integrator: HP Genie Compound Sublist: SW8015M-TPH.sub
Subtraction File: \\Target_server\GG\chem\gc10.i\GC10AA30B1.b\ABA4002.d
Target Version: 4.12
Processing Host: TARGET02

Concentration Formula: Amt * DF * (Vt/Vo)*1000 * CpndVariable

Name	Value	Description
DF	5.000	Dilution Factor
Vt	0.00100	Final Volume (L)
Vo	1.060	Sample Volume (L)
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/L)
S 10 TPH	2.290	-26.789		1964415	246.404	1160(M)
$ 8 O-Terphenyl	14.160	14.170	-0.010	22274	1.97940	9.34(M)

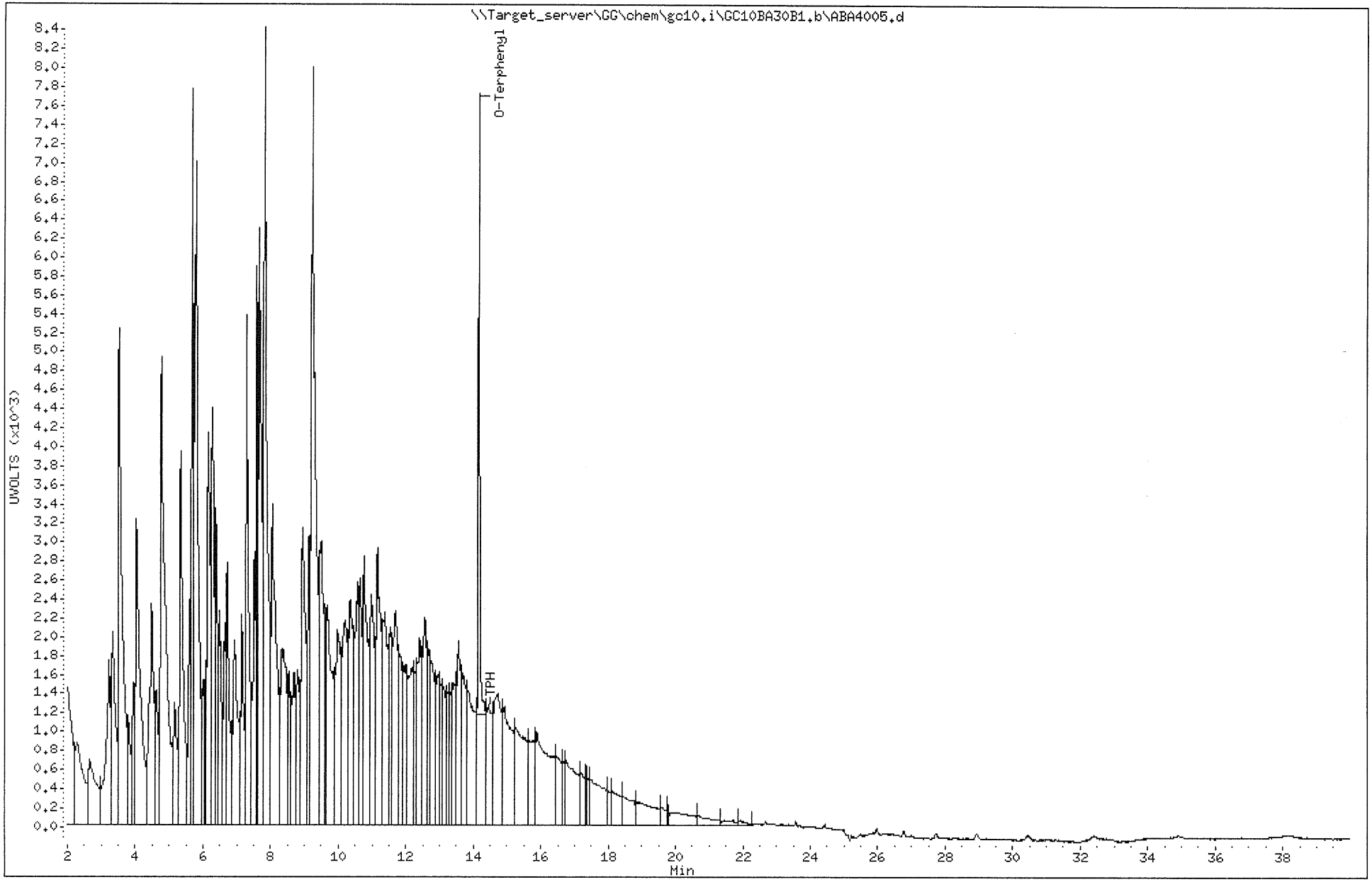
MJ
JW
020108

QC Flag Legend

M - Compound response manually integrated.

Data File: \\Target_server\GC\chem\gc10.i\GC10BA30B1.b\ABA4005.d
Date : 30-JAN-2008 19:11
Client ID: AWD-GW-MW403-2008
Sample Info: TPHB020D.M,GC10AA30B1.B,5,SB0196-1DL
Purge Volume: 1.1
Column phase: ZB-1

Instrument: gc10.i
Operator: KGT
Column diameter: 0.25



Katahdin Analytical Services 2000047

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 01/09/08
Received Date: 01/11/08
Extraction Date: 01/16/08
Analysis Date: 01-FEB-2008 01:36
Report Date: 02/01/2008
Matrix: WATER
% Solids: NA

Lab ID: SB0196-2
Client ID: AWD-GW-MW404-2008
SDG: CTO426-1
Extracted by: KF
Extraction Method: SW846 3510
Analyst: KGT
Analysis Method: SW846 M8015B
Lab Prep Batch: WG47479
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
	TPH		120	1.0	75	77	46
	O-Terphenyl		69%				

Data File: \\Target_server\GG\chem\gc10.i\GC10BA30B1.b\ABA4043.d
Report Date: 01-Feb-2008 13:21

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gc10.i\GC10BA30B1.b\ABA4043.d
Lab Smp Id: SB0196-2 Client Smp ID: AWD-GW-MW404-2008
Inj Date : 01-FEB-2008 01:36
Operator : KGT Inst ID: gc10.i
Smp Info : TPHB020D.M,GC10AA30B1.B,1,SB0196-2
Misc Info : SW846 M8015B
Comment :
Method : \\Target_server\GG\chem\gc10.i\GC10BA30B1.b\TPHB020D.m
Meth Date : 01-Feb-2008 09:27 ktanguay Quant Type: ESTD
Cal Date : 26-SEP-2007 20:56 Cal File: AAI4061A.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: SW8015M-TPH.sub
Subtraction File: \\Target_server\GG\chem\gc10.i\GC10AA30B1.b\ABA4037.d
Target Version: 4.12
Processing Host: TARGET02

Concentration Formula: Amt * DF * (Vt/Vo)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00100	Final Volume (L)
Vo	0.97000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

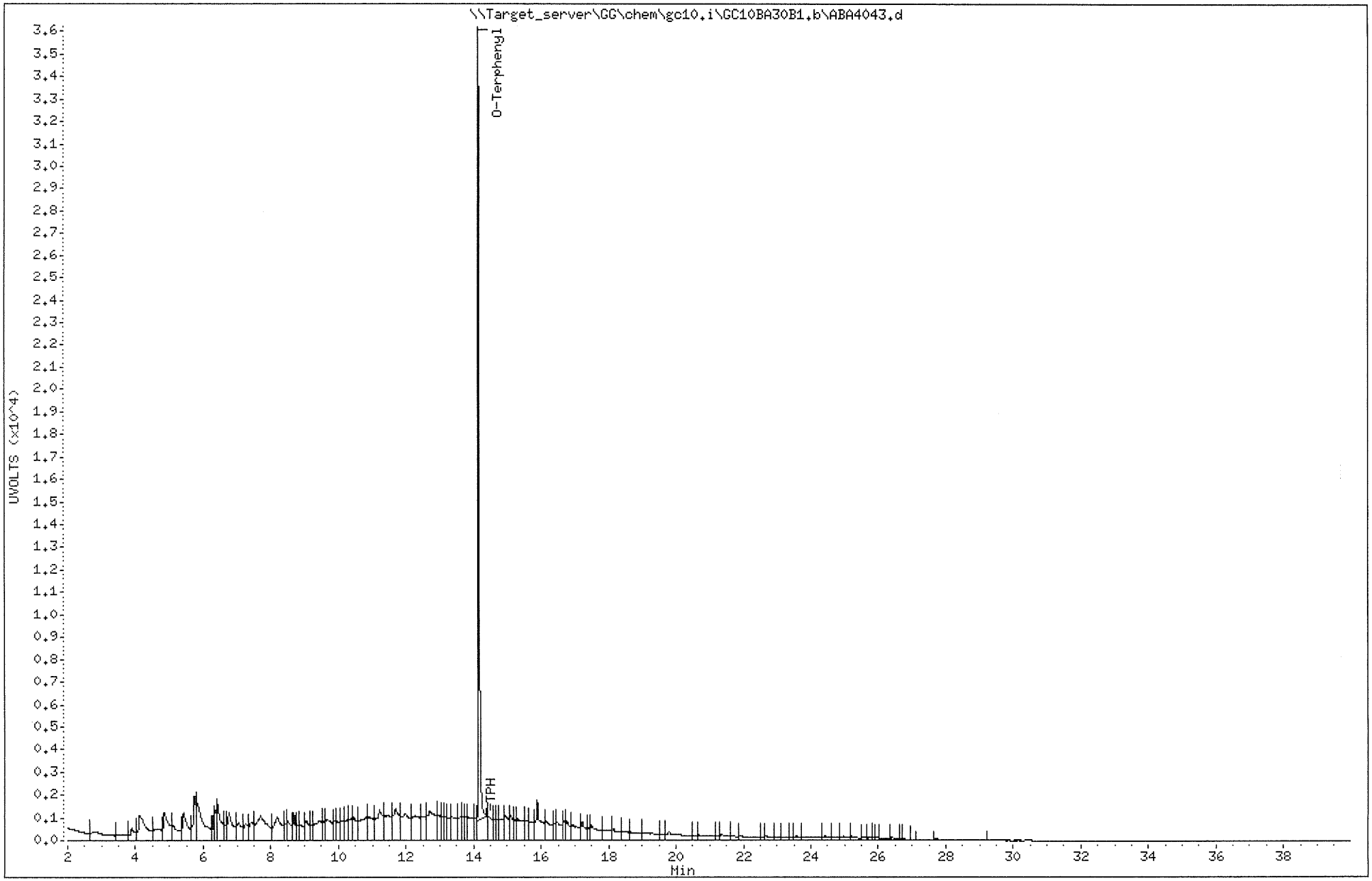
Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/L)
S 10 TPH	2.290	26.789		1046483	112.094	116(M)
$ 8 O-Terphenyl	14.146	14.170	-0.024	110652	13.7557	14.2(M)

MZ
JP
020108

QC Flag Legend

M - Compound response manually integrated.

Data File: \\Target_server\GC\chem\gc10.i\GC10BA30B1.b\ABA4043.d
Date : 01-FEB-2008 01:36
Client ID: AWD-GW-MW404-2008
Instrument: gc10.i
Sample Info: TPHB020D.M,GC10AA30B1.B,1,SB0196-2
Purge Volume: 1.0
Operator: KGT
Column phase: ZB-1
Column diameter: 0.25



Katahdin Analytical Services 2000050

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 01/10/08
Received Date: 01/11/08
Extraction Date: 01/16/08
Analysis Date: 30-JAN-2008 21:34
Report Date: 02/01/2008
Matrix: WATER
% Solids: NA

Lab ID: SB0196-3
Client ID: AWD-GW-MW301-2008
SDG: CTO426-1
Extracted by: KF
Extraction Method: SW846 3510
Analyst: KGT
Analysis Method: SW846 M8015B
Lab Prep Batch: WG47479
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
	TPH	J	53	1.0	75	75	45
	O-Terphenyl		92%				

Data File: \\Target_server\GG\chem\gc10.i\GC10BA30B1.b\ABA4008.d
Report Date: 01-Feb-2008 13:19

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gc10.i\GC10BA30B1.b\ABA4008.d
Lab Smp Id: SB0196-3 Client Smp ID: AWD-GW-MW301-2008
Inj Date : 30-JAN-2008 21:34
Operator : KGT Inst ID: gc10.i
Smp Info : TPHB020D.M,GC10AA30B1.B,1,SB0196-3
Misc Info : SW846 M8015B
Comment :
Method : \\Target_server\GG\chem\gc10.i\GC10BA30B1.b\TPHB020D.m
Meth Date : 01-Feb-2008 09:27 ktanguay Quant Type: ESTD
Cal Date : 26-SEP-2007 20:56 Cal File: AAI4061A.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: SW8015M-TPH.sub
Subtraction File: \\Target_server\GG\chem\gc10.i\GC10AA30B1.b\ABA4002.d
Target Version: 4.12
Processing Host: TARGET02

Concentration Formula: Amt * DF * (Vt/Vo)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00100	Final Volume (L)
Vo	1.000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

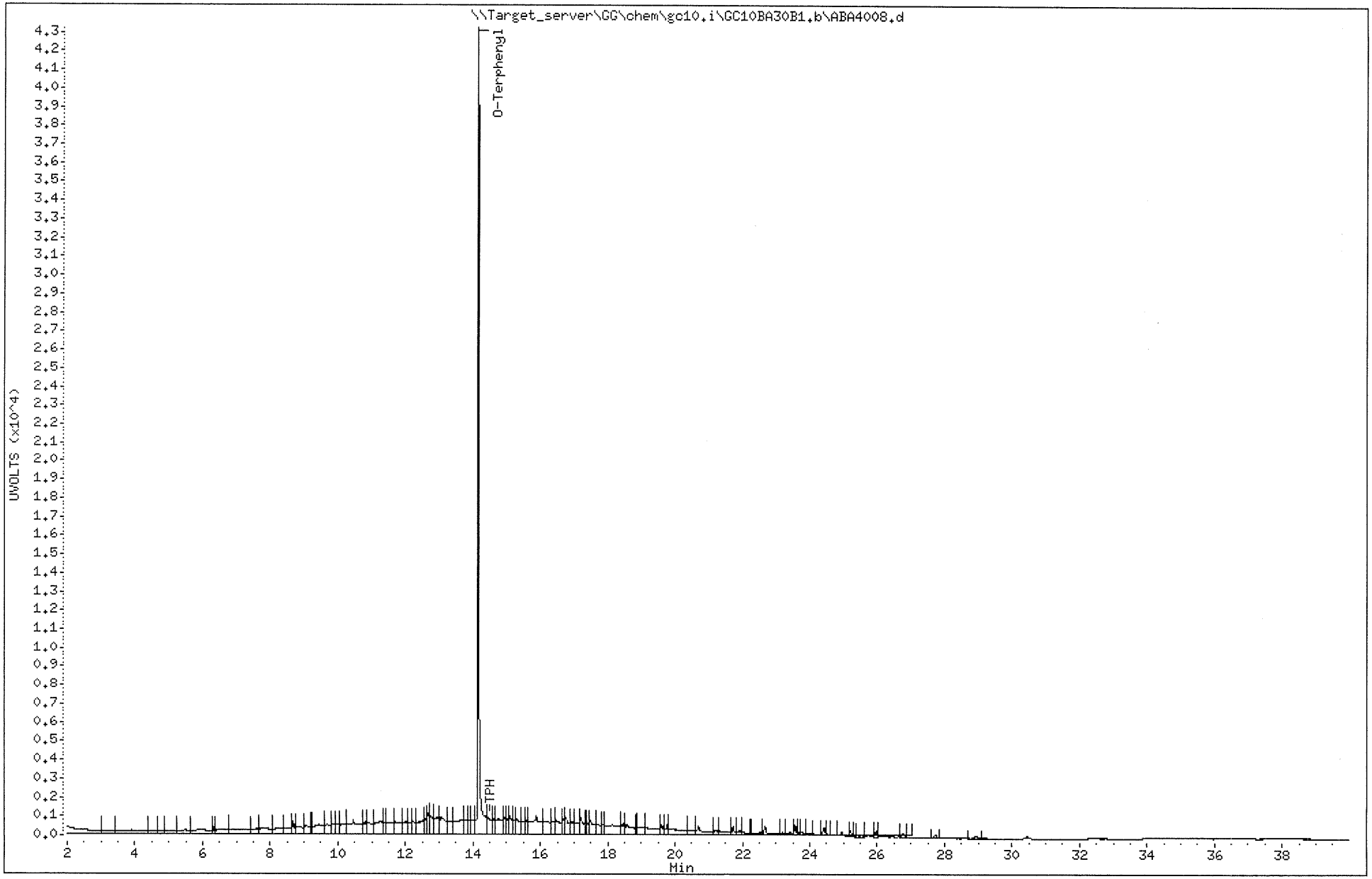
Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/L)
S 10 TPH	2.290	-26.789		643632	53.1500	53.2(a)
$ 8 O-Terphenyl	14.150	14.170	-0.020	146282	18.5033	18.5

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: \\Target_server\GC\chem\gc10.i\GC10BA30B1.b\ABA4008.d
Date : 30-JAN-2008 21:34
Client ID: AWD-GW-MW301-2008
Sample Info: TPHB020D.M,GC10AA30B1.B,1,SB0196-3
Purge Volume: 1.0
Column phase: ZB-1

Instrument: gc10.i
Operator: KGT
Column diameter: 0.25



Katahdin Analytical Services 2000053

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 01/10/08
Received Date: 01/11/08
Extraction Date: 01/16/08
Analysis Date: 01-FEB-2008 02:24
Report Date: 02/01/2008
Matrix: WATER
% Solids: NA

Lab ID: SB0196-4
Client ID: AWD-GW-MW305-2008
SDG: CTO426-1
Extracted by: KF
Extraction Method: SW846 3510
Analyst: KGT
Analysis Method: SW846 M8015B
Lab Prep Batch: WG47479
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
	TPH		84	1.0	75	75	43
	O-Terphenyl		80%				

Data File: \\Target_server\GG\chem\gc10.i\GC10BA30B1.b\ABA4044.d
Report Date: 01-Feb-2008 13:21

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gc10.i\GC10BA30B1.b\ABA4044.d
Lab Smp Id: SB0196-4 Client Smp ID: AWD-GW-MW305-2008
Inj Date : 01-FEB-2008 02:24
Operator : KGT Inst ID: gc10.i
Smp Info : TPHB020D.M,GC10AA30B1.B,1,SB0196-4
Misc Info : SW846 M8015B
Comment :
Method : \\Target_server\GG\chem\gc10.i\GC10BA30B1.b\TPHB020D.m
Meth Date : 01-Feb-2008 09:27 ktanguay Quant Type: ESTD
Cal Date : 26-SEP-2007 20:56 Cal File: AAI4061A.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: SW8015M-TPH.sub
Subtraction File: \\Target_server\GG\chem\gc10.i\GC10AA30B1.b\ABA4037.d
Target Version: 4.12
Processing Host: TARGET02

Concentration Formula: Amt * DF * (Vt/Vo)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00100	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)
S 10 TPH	2.290	26.789		879757	87.6993	83.5(M)
$ 8 O-Terphenyl	14.146	14.170	-0.024	126774	15.9039	15.1(M)

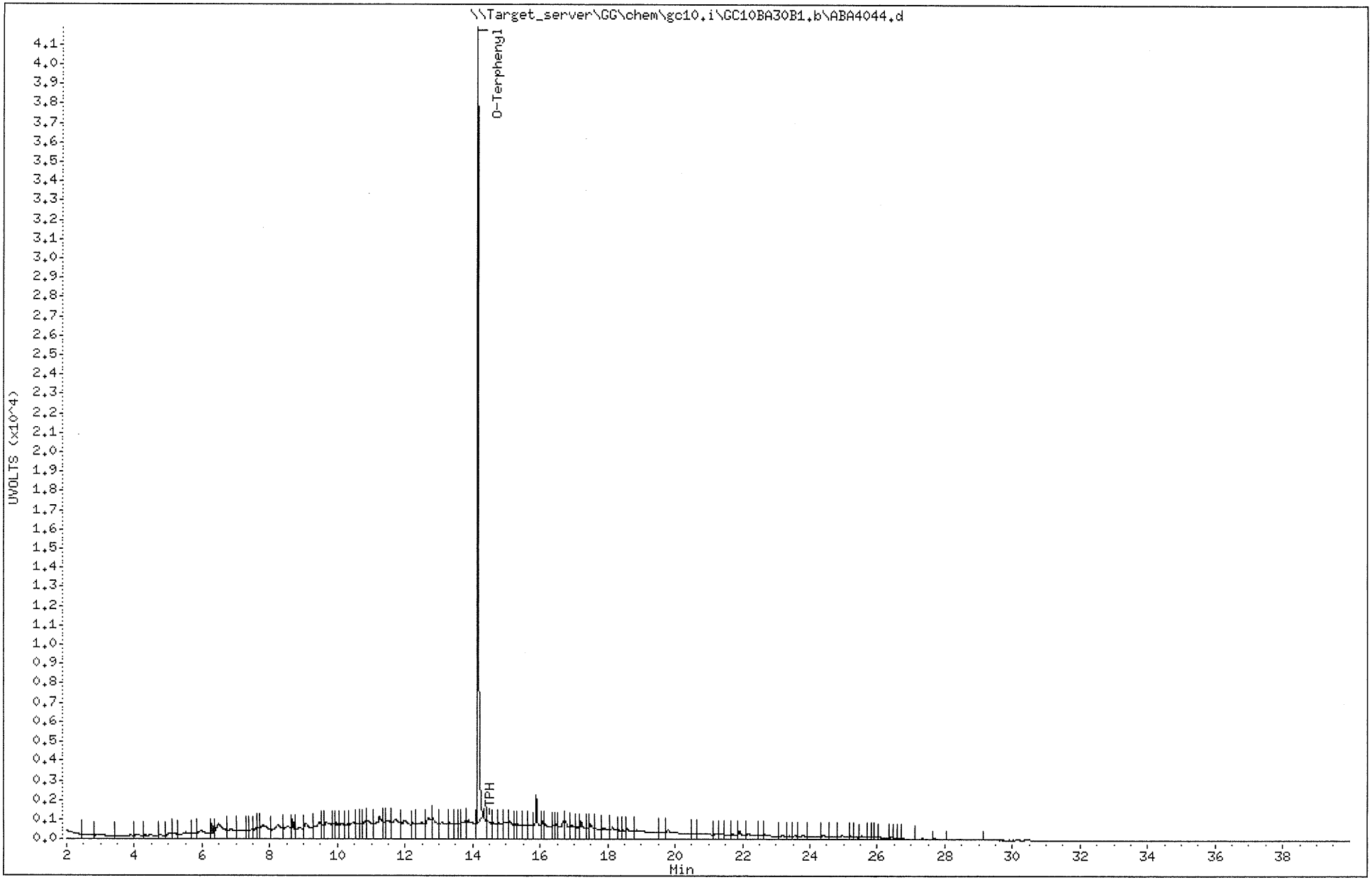
MJ
JR
020107

QC Flag Legend

M - Compound response manually integrated.

Data File: \\Target_server\GC\chem\gc10.i\GC10BA30B1.b\ABA4044.d
Date : 01-FEB-2008 02:24
Client ID: AWD-GW-MW305-2008
Sample Info: TPHB020D.M,GC10AA30B1.B,1,SB0196-4
Purge Volume: 1.1
Column phase: ZB-1

Instrument: gc10.i
Operator: KGT
Column diameter: 0.25



Katahdin Analytical Services 2000056

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 01/10/08
Received Date: 01/11/08
Extraction Date: 01/16/08
Analysis Date: 30-JAN-2008 23:57
Report Date: 02/01/2008
Matrix: WATER
% Solids: NA

Lab ID: SB0196-5
Client ID: AWD-GW-MW14-2008
SDG: CTO426-1
Extracted by: KF
Extraction Method: SW846 3510
Analyst: KGT
Analysis Method: SW846 M8015B
Lab Prep Batch: WG47479
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
	TPH		170	1.0	75	75	42
	O-Terphenyl		77%				

Data File: \\Target_server\GG\chem\gc10.i\GC10BA30B1.b\ABA4011.d
Report Date: 01-Feb-2008 13:19

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gc10.i\GC10BA30B1.b\ABA4011.d
Lab Smp Id: SB0196-5 Client Smp ID: AWD-GW-MW14-2008
Inj Date : 30-JAN-2008 23:57
Operator : KGT Inst ID: gc10.i
Smp Info : TPHB020D.M,GC10AA30B1.B,1,SB0196-5
Misc Info : SW846 M8015B
Comment :
Method : \\Target_server\GG\chem\gc10.i\GC10BA30B1.b\TPHB020D.m
Meth Date : 01-Feb-2008 09:27 ktanguay Quant Type: ESTD
Cal Date : 26-SEP-2007 20:56 Cal File: AAI4061A.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: SW8015M-TPH.sub
Subtraction File: \\Target_server\GG\chem\gc10.i\GC10AA30B1.b\ABA4002.d
Target Version: 4.12
Processing Host: TARGET02

Concentration Formula: Amt * DF * (Vt/Vo)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00100	Final Volume (L)
Vo	1.060	Sample Volume (L)
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/L)
S 10 TPH	2.290	26.789		1532877	183.262	173(M)
$ 8 O-Terphenyl	14.146	14.170	-0.024	123022	15.4040	14.5(M)

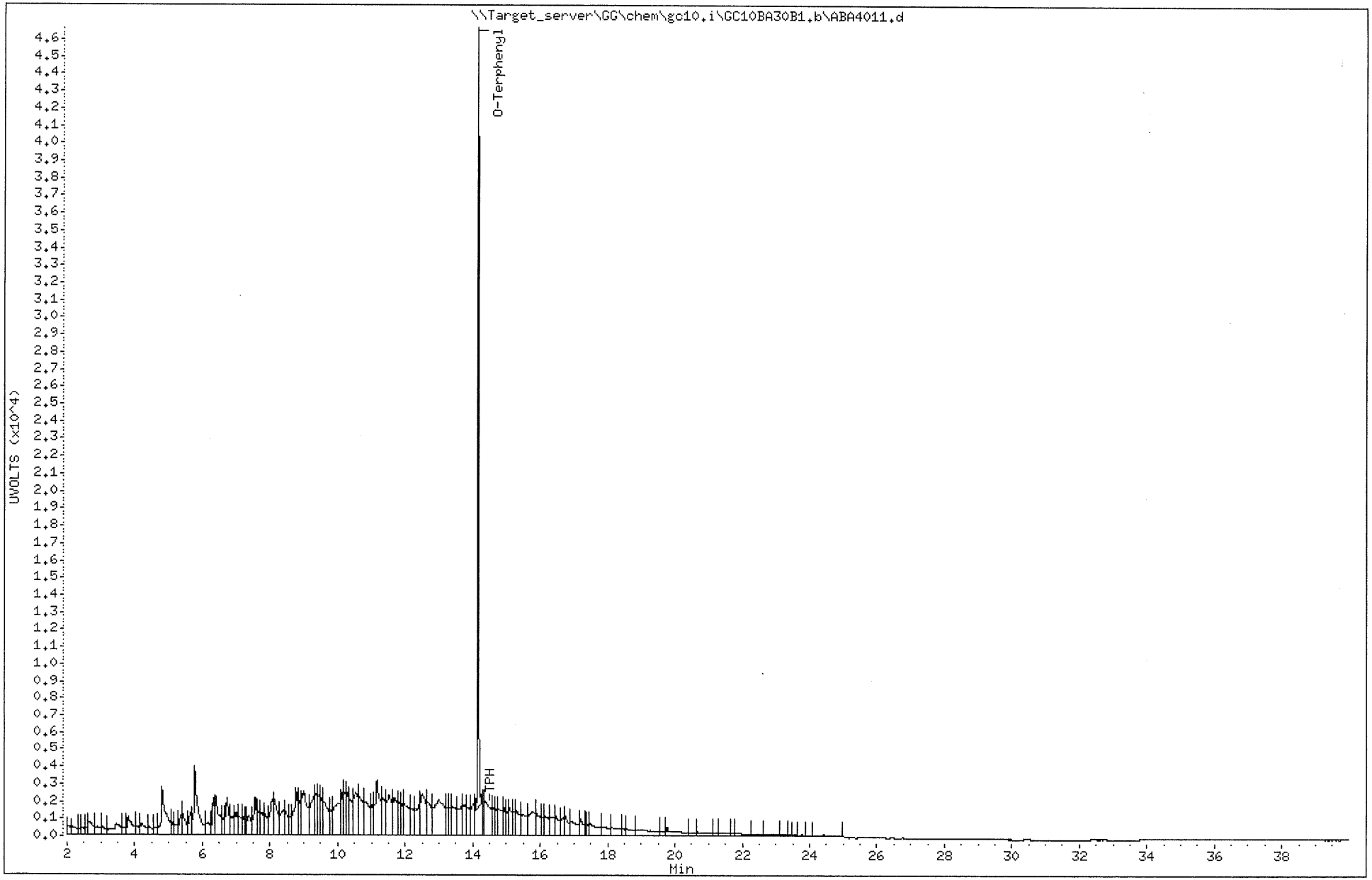
M2
JP
020108

QC Flag Legend

M - Compound response manually integrated.

Data File: \\Target_server\GC\chem\gc10.i\GC10BA30B1.b\ABA4011.d
Date : 30-JAN-2008 23:57
Client ID: AWD-GW-MW14-2008
Sample Info: TPHB020D.M,GC10AA30B1.B,1,SB0196-5
Purge Volume: 1.1
Column phase: ZB-1

Instrument: gc10.i
Operator: KGT
Column diameter: 0.25



Katahdin Analytical Services 2000059

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 01/10/08
Received Date: 01/11/08
Extraction Date: 01/16/08
Analysis Date: 31-JAN-2008 00:44
Report Date: 02/01/2008
Matrix: WATER
% Solids: NA

Lab ID: SB0196-6
Client ID: AWD-GW-DUP2
SDG: CTO426-1
Extracted by: KF
Extraction Method: SW846 3510
Analyst: KGT
Analysis Method: SW846 M8015B
Lab Prep Batch: WG47479
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
	TPH		180	1.0	75	75	44
	O-Terphenyl		85%				

Data File: \\Target_server\GG\chem\gc10.i\GC10BA30B1.b\ABA4012.d
Report Date: 01-Feb-2008 13:19

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gc10.i\GC10BA30B1.b\ABA4012.d
Lab Smp Id: SB0196-6 Client Smp ID: AWD-GW-DUP2
Inj Date : 31-JAN-2008 00:44
Operator : KGT Inst ID: gc10.i
Smp Info : TPHB020D.M,GC10AA30B1.B,1,SB0196-6
Misc Info : SW846 M8015B
Comment :
Method : \\Target_server\GG\chem\gc10.i\GC10BA30B1.b\TPHB020D.m
Meth Date : 01-Feb-2008 09:27 ktanguay Quant Type: ESTD
Cal Date : 26-SEP-2007 20:56 Cal File: AAI4061A.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: SW8015M-TPH.sub
Subtraction File: \\Target_server\GG\chem\gc10.i\GC10AA30B1.b\ABA4002.d
Target Version: 4.12
Processing Host: TARGET02

Concentration Formula: Amt * DF * (Vt/Vo)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00100	Final Volume (L)
Vo	1.020	Sample Volume (L)
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/L)
S 10 TPH	2.290	-26.789		1524184	181.990	178(M)
$ 8 O-Terphenyl	14.146	14.170	-0.024	134743	16.9658	16.6(M)

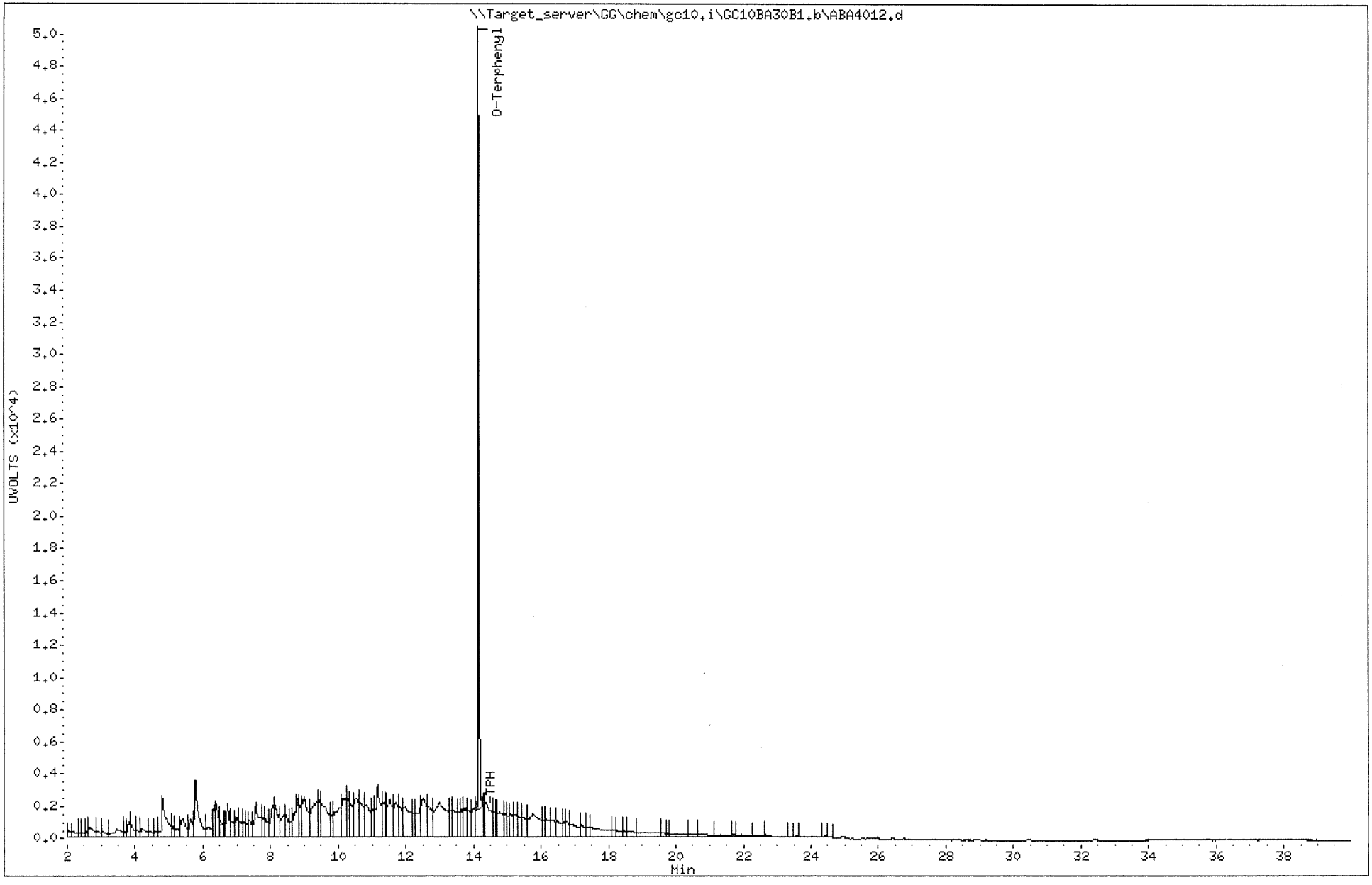
MZ
JQ
020108

QC Flag Legend

M - Compound response manually integrated.

Data File: \\Target_server\GG\chem\gc10.i\GC10BA30B1.b\ABA4012.d
Date : 31-JAN-2008 00:44
Client ID: AWD-GW-DUP2
Sample Info: TPHB020D.M,GC10AA30B1.B,1,SB0196-6
Purge Volume: 1.0
Column phase: ZB-1

Instrument: gc10.i
Operator: KGT
Column diameter: 0.25



Katahdin Analytical Services 2000062

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 01/10/08
Received Date: 01/12/08
Extraction Date: 01/16/08
Analysis Date: 31-JAN-2008 04:42
Report Date: 02/01/2008
Matrix: WATER
% Solids: NA

Lab ID: SB0230-1
Client ID: AWD-SW-SW1-20080111
SDG: CTO426-1
Extracted by: KF
Extraction Method: SW846 3510
Analyst: KGT
Analysis Method: SW846 M8015B
Lab Prep Batch: WG47479
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
	TPH		220	1.0	75	77	46
	O-Terphenyl		67%				

Data File: \\Target_server\GG\chem\gc10.i\GC10BA30B1.b\ABA4017.d
Report Date: 01-Feb-2008 13:19

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gc10.i\GC10BA30B1.b\ABA4017.d
Lab Smp Id: SB0230-1 Client Smp ID: AWD-SW-SW1-20080111
Inj Date : 31-JAN-2008 04:42
Operator : KGT Inst ID: gc10.i
Smp Info : TPHB020D.M,GC10AA30B1.B,1,SB0230-1
Misc Info : SW846 M8015B
Comment :
Method : \\Target_server\GG\chem\gc10.i\GC10BA30B1.b\TPHB020D.m
Meth Date : 01-Feb-2008 09:27 ktanguay Quant Type: ESTD
Cal Date : 26-SEP-2007 20:56 Cal File: AAI4061A.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: SW8015M-TPH.sub
Subtraction File: \\Target_server\GG\chem\gc10.i\GC10AA30B1.b\ABA4002.d
Target Version: 4.12
Processing Host: TARGET02

Concentration Formula: Amt * DF * (Vt/Vo)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00100	Final Volume (L)
Vo	0.97000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/L)
S 10 TPH	2.290	-26.789		1743069	214.017	221(M)
$ 8 O-Terphenyl	14.160	14.170	-0.010	107916	13.3911	13.8(M)

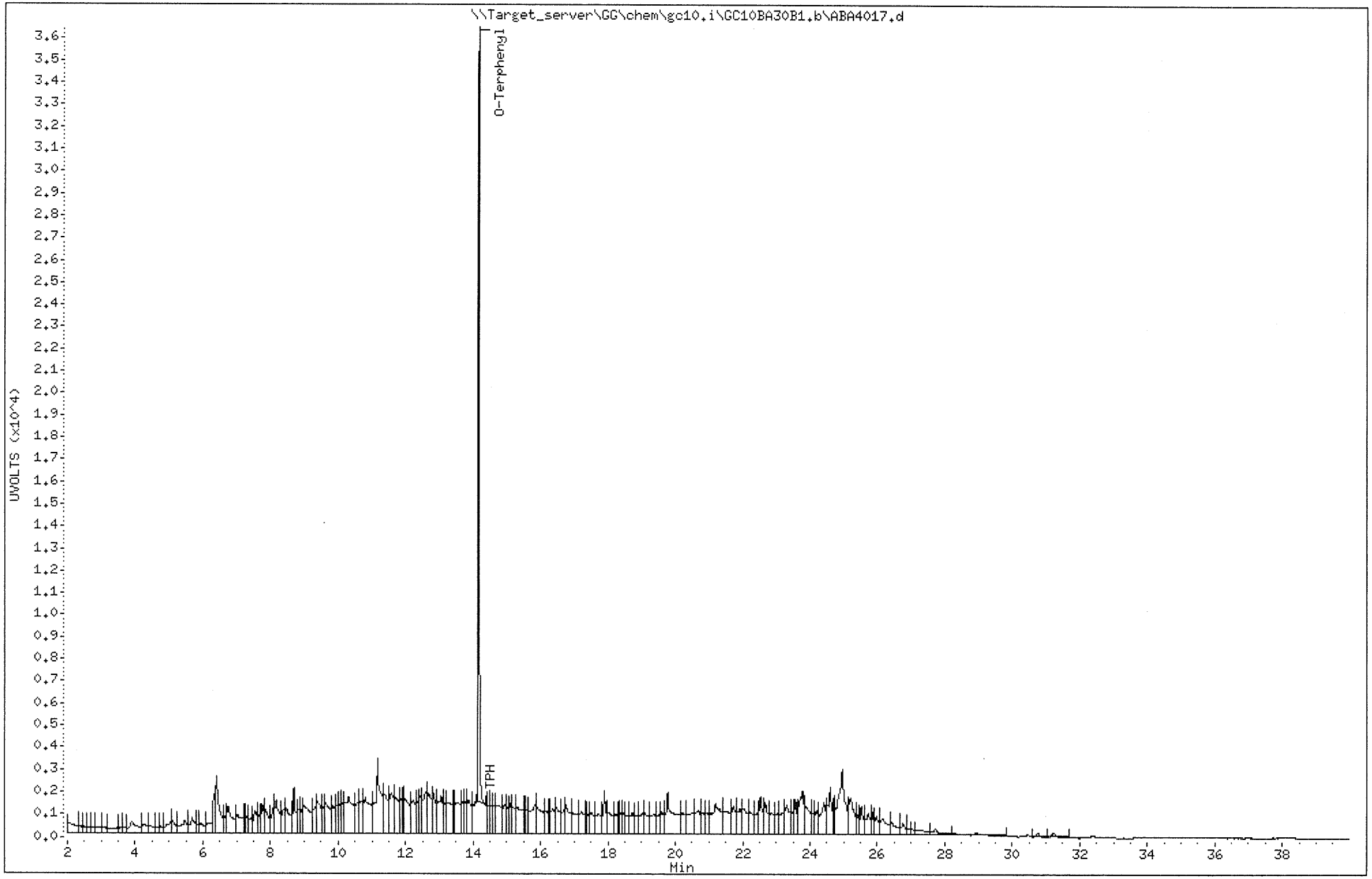
MS
JP
020108

QC Flag Legend

M - Compound response manually integrated.

Data File: \\Target_server\GC\chem\gc10.i\GC10BA30B1.b\ABA4017.d
Date : 31-JAN-2008 04:42
Client ID: AWD-SW-SW1-20080111
Sample Info: TPHB020D.M,GC10AA30B1.B,1,SB0230-1
Purge Volume: 1.0
Column phase: ZB-1

Instrument: gc10.i
Operator: KGT
Column diameter: 0.25



Katahdin Analytical Services 2000065

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 01/11/08
Received Date: 01/12/08
Extraction Date: 01/16/08
Analysis Date: 31-JAN-2008 05:29
Report Date: 02/01/2008
Matrix: WATER
% Solids: NA

Lab ID: SB0230-2
Client ID: AWD-SW-PZ203-200801
SDG: CTO426-1
Extracted by: KF
Extraction Method: SW846 3510
Analyst: KGT
Analysis Method: SW846 M8015B
Lab Prep Batch: WG47479
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
	TPH	U	76	1.0	75	76	46
	O-Terphenyl		73%				

Data File: \\Target_server\GG\chem\gc10.i\GC10BA30B1.b\ABA4018.d
Report Date: 01-Feb-2008 13:19

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gc10.i\GC10BA30B1.b\ABA4018.d
Lab Smp Id: SB0230-2 Client Smp ID: AWD-SW-PZ203-200801
Inj Date : 31-JAN-2008 05:29
Operator : KGT Inst ID: gc10.i
Smp Info : TPHB020D.M,GC10AA30B1.B,1,SB0230-2
Misc Info : SW846 M8015B
Comment :
Method : \\Target_server\GG\chem\gc10.i\GC10BA30B1.b\TPHB020D.m
Meth Date : 01-Feb-2008 09:27 ktanguay Quant Type: ESTD
Cal Date : 26-SEP-2007 20:56 Cal File: AAI4061A.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: SW8015M-TPH.sub
Subtraction File: \\Target_server\GG\chem\gc10.i\GC10AA30B1.b\ABA4002.d
Target Version: 4.12
Processing Host: TARGET02

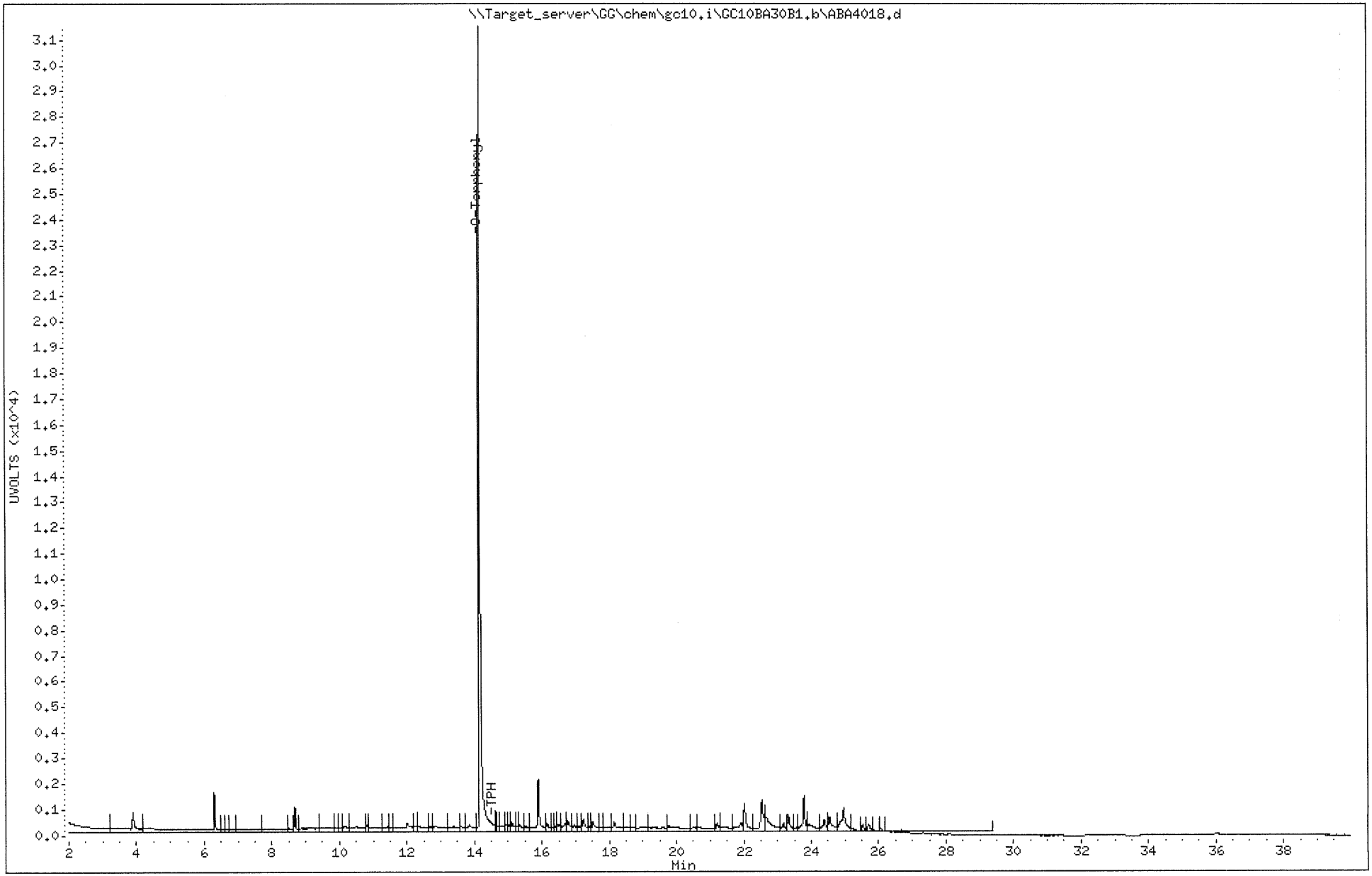
Concentration Formula: Amt * DF * (Vt/Vo)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00100	Final Volume (L)
Vo	0.98000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/L)
$ 8 O-Terphenyl	14.159	14.170	-0.011	116968	14.5973	14.9

Data File: \\Target_server\GC\chem\gc10.i\GC10BA30B1.b\ABA4018.d
Date : 31-JAN-2008 05:29
Client ID: AWD-SW-PZ203-200801
Sample Info: TPHB020D.M,GC10AA30B1.B,1,SB0230-2
Purge Volume: 1.0
Column phase: ZB-1

Instrument: gc10.i
Operator: KGT
Column diameter: 0.25



Katahdin Analytical Services 2000068

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 01/11/08
Received Date: 01/12/08
Extraction Date: 01/16/08
Analysis Date: 31-JAN-2008 07:04
Report Date: 02/01/2008
Matrix: WATER
% Solids: NA

Lab ID: SB0230-3DL
Client ID: AWD-GW-MW202-200801
SDG: CTO426-1
Extracted by: KF
Extraction Method: SW846 3510
Analyst: KGT
Analysis Method: SW846 M8015B
Lab Prep Batch: WG47479
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
	TPH		2700	5.0	75	360	220
	O-Terphenyl		71%				

Data File: \\Target_server\GG\chem\gc10.i\GC10BA30B1.b\ABA4020.d
Report Date: 01-Feb-2008 13:19

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gc10.i\GC10BA30B1.b\ABA4020.d
Lab Smp Id: SB0230-3DL Client Smp ID: AWD-GW-MW202-200801
Inj Date : 31-JAN-2008 07:04
Operator : KGT Inst ID: gc10.i
Smp Info : TPHB020D.M,GC10AA30B1.B,5,SB0230-3DL
Misc Info : SW846 M8015B
Comment :
Method : \\Target_server\GG\chem\gc10.i\GC10BA30B1.b\TPHB020D.m
Meth Date : 01-Feb-2008 09:27 ktanguay Quant Type: ESTD
Cal Date : 26-SEP-2007 20:56 Cal File: AAI4061A.d
Als bottle: 1
Dil Factor: 5.00000
Integrator: HP Genie Compound Sublist: SW8015M-TPH.sub
Subtraction File: \\Target_server\GG\chem\gc10.i\GC10AA30B1.b\ABA4002.d
Target Version: 4.12
Processing Host: TARGET02

Concentration Formula: Amt * DF * (Vt/Vo)*1000 * CpndVariable

Name	Value	Description
DF	5.000	Dilution Factor
Vt	0.00100	Final Volume (L)
Vo	1.040	Sample Volume (L)
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/L)
S 10 TPH	2.290	26.789		4101885	559.153	2690(M)
$ 8 O-Terphenyl	14.173	14.170	0.003	28649	2.82887	13.6(M)

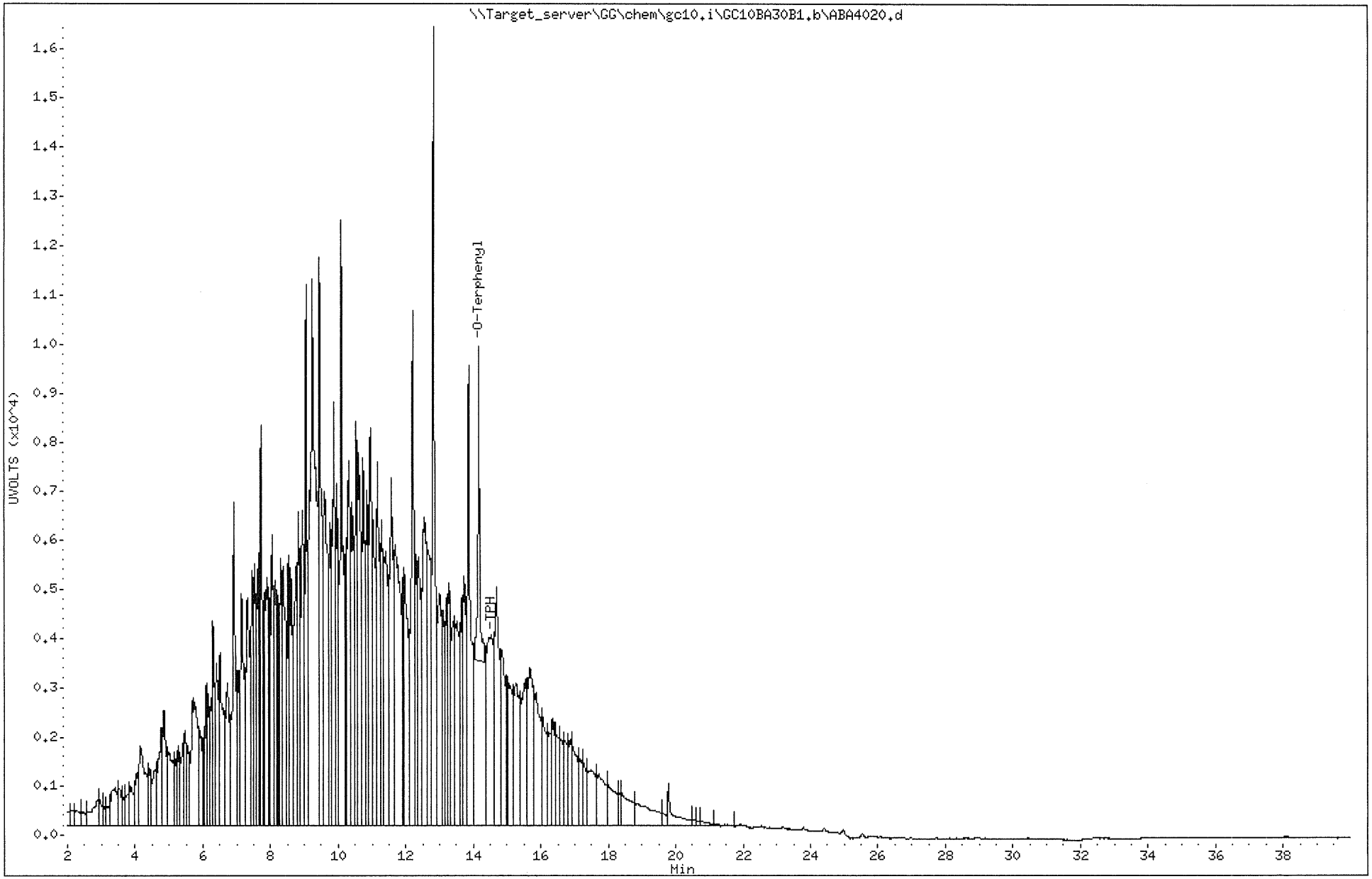
MD
JP
020108

QC Flag Legend

M - Compound response manually integrated.

Data File: \\Target_server\GC\chem\gc10.i\GC10BA30B1.b\ABA4020.d
Date : 31-JAN-2008 07:04
Client ID: AWD-GW-MW202-200801
Sample Info: TPHB020D.M,GC10AA30B1.B,5,SB0230-3DL
Purge Volume: 1.0
Column phase: ZB-1

Instrument: gc10.i
Operator: KGT
Column diameter: 0.25



Katahdin Analytical Services 2000071

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 01/11/08
Received Date: 01/12/08
Extraction Date: 01/16/08
Analysis Date: 31-JAN-2008 07:51
Report Date: 02/01/2008
Matrix: WATER
% Solids: NA

Lab ID: SB0230-5
Client ID: AWD-SW-DUP1
SDG: CTO426-1
Extracted by: KF
Extraction Method: SW846 3510
Analyst: KGT
Analysis Method: SW846 M8015B
Lab Prep Batch: WG47479
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
	TPH		190	1.0	75	75	42
	O-Terphenyl		67%				

Data File: \\Target_server\GG\chem\gc10.i\GC10BA30B1.b\ABA4021.d
Report Date: 01-Feb-2008 13:19

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gc10.i\GC10BA30B1.b\ABA4021.d
Lab Smp Id: SB0230-5 Client Smp ID: AWD-SW-DUP1
Inj Date : 31-JAN-2008 07:51
Operator : KGT Inst ID: gc10.i
Smp Info : TPHB020D.M,GC10AA30B1.B,1,SB0230-5
Misc Info : SW846 M8015B
Comment :
Method : \\Target_server\GG\chem\gc10.i\GC10BA30B1.b\TPHB020D.m
Meth Date : 01-Feb-2008 09:27 ktanguay Quant Type: ESTD
Cal Date : 26-SEP-2007 20:56 Cal File: AAI4061A.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: SW8015M-TPH.sub
Subtraction File: \\Target_server\GG\chem\gc10.i\GC10AA30B1.b\ABA4002.d
Target Version: 4.12
Processing Host: TARGET02

Concentration Formula: Amt * DF * (Vt/Vo)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00100	Final Volume (L)
Vo	1.060	Sample Volume (L)
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/L)
S 10 TPH	2.290	26.789		1671395	203.530	192(M)
$ 8 O-Terphenyl	14.160	14.170	-0.010	107739	13.3675	12.6(M)

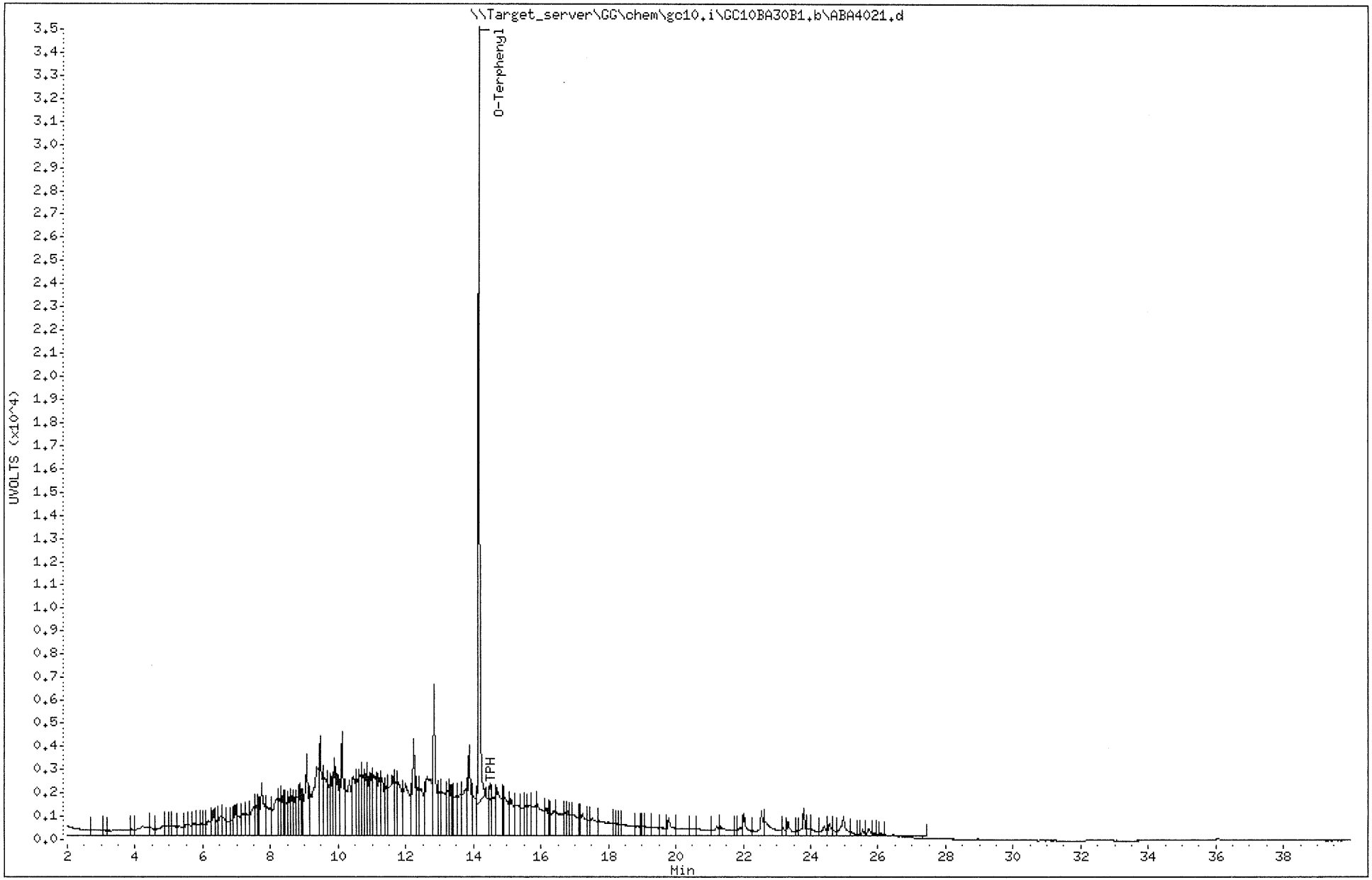
MZ
JL
020108

QC Flag Legend

M - Compound response manually integrated.

Data File: \\Target_server\GC\chem\gc10.i\GC10BA30B1.b\ABA4021.d
Date : 31-JAN-2008 07:51
Client ID: AWD-SW-DUP1
Sample Info: TPHB020D.M,GC10AA30B1.B,1,SB0230-5
Purge Volume: 1.1
Column phase: ZB-1

Instrument: gc10.i
Operator: KGT
Column diameter: 0.25



Katahdin Analytical Services 2000074

Standards Data Section

FORM 6
DRO INITIAL CALIBRATION DATA

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project CTO 426 NLON SDG No.: CTO426-1

Instrument ID: GC10 Calibration Date(s): 09/26/07 09/26/07

Column: ZB-1 ID: 0.25 (mm) Calibration Time(s): 1746 2056

LAB FILE ID: RF5: AAI4061A RF20: AAI4060A RF50: AAI4059A
RF100: AAI4058A RF200: AAI4057A

COMPOUND	RF5	RF20	RF50	RF100	RF200	CURVE	COEFFICENTS A0	A1	%RSD OR R^2	MAX %RSD OR R^2
TPH Peaks C9-C36	537320	2144800	5569900	1.e+007	2e+007	LINR	-41.024675	1.463e-004	0.99756	0.99000
C-9	57469	161470	414160	729720	1383600	LINR	-4.0779824	1.454e-004	0.99770	0.99000
C-10	57864	162740	427800	744160	1371600	LINR	-4.8407022	1.462e-004	0.99593	0.99000
C-12	27240	154220	408960	721710	1357800	LINR	-2.7211253	1.466e-004	0.99672	0.99000
C-14	37634	155600	403670	736370	1359200	LINR	-3.2328165	1.465e-004	0.99690	0.99000
C-16	38089	154540	403450	736930	1366000	LINR	-3.0904149	1.458e-004	0.99717	0.99000
C-18	36144	150610	401850	743000	1374100	LINR	-2.7255644	1.446e-004	0.99722	0.99000
C-19	36529	151240	396470	738090	1358600	LINR	-2.8624570	1.463e-004	0.99713	0.99000
C-20	36474	152940	395250	734450	1355500	LINR	-2.9164732	1.467e-004	0.99726	0.99000
C-22	33805	155160	402820	747370	1376300	LINR	-2.8211131	1.443e-004	0.99702	0.99000
C-24	35519	144630	401610	697680	1360200	LINR	-2.2348656	1.471e-004	0.99791	0.99000
C-26	34281	151570	397900	736940	1369800	LINR	-2.6015238	1.452e-004	0.99750	0.99000
C-28	36039	150970	392120	732600	1365000	LINR	-2.5560669	1.458e-004	0.99783	0.99000
C-30	36376	151520	391960	738770	1372400	LINR	-2.5151325	1.45e-004	0.99783	0.99000
C-36	33860	147630	331880	702790	1300400	LINR	-1.5475002	1.527e-004	0.99836	0.99000
O-Terphenyl	17102	62349	177850	313630	599300	LINR	-0.9885799	1.332e-004	0.99762	0.99000

FORM VI DRO

eport Date : 27-Sep-2007 12:54

Katahdin Analytical Services

INITIAL CALIBRATION DATA

tart Cal Date : 26-SEP-2007 17:46
nd Cal Date : 26-SEP-2007 20:56
uant Method : ESTD
rigin : Included
arget Version : 4.12
ntegrator : HP Genie
ethod file : \\Target_server\GG\chem\gc10.i\GC10AI25B1.b\tphb020a.m
al Date : 27-Sep-2007 12:44 ktanguay

alibration File Names:
evel 1: \\Target_server\GG\chem\gc10.i\GC10AI25B1.b\AAI4061A.d
evel 2: \\Target_server\GG\chem\gc10.i\GC10AI25B1.b\AAI4060A.d
evel 3: \\Target_server\GG\chem\gc10.i\GC10AI25B1.b\AAI4059A.d
evel 4: \\Target_server\GG\chem\gc10.i\GC10AI25B1.b\AAI4058A.d
evel 5: \\Target_server\GG\chem\gc10.i\GC10AI25B1.b\AAI4057A.d

Compound	5.0000 Level 1	20.0000 Level 2	50.0000 Level 3	100.0000 Level 4	200.0000 Level 5	Curve	Coefficients b	m1	m2	%RSD or R^2	
TPH Peaks C9-C36	537323	2144825	5569903	10240564	19070516	LINR	-41.02468	6834		0.99756	
TPH-product	+++++	+++++	+++++	+++++	+++++	LINR	0.000e+000	0.000e+000		0.000e+000	<-
C-9	57469	161468	414162	729718	1383615	LINR	-4.07798	6875		0.99770	
C-10	57864	162742	427803	744165	1371612	LINR	-4.84070	6841		0.99593	
C-12	27240	154218	408955	721711	1357761	LINR	-2.72113	6823		0.99672	
C-14	37634	155597	403672	736366	1359209	LINR	-3.23282	6827		0.99690	
C-16	38089	154535	403447	736928	1365997	LINR	-3.09041	6858		0.99717	
C-18	36144	150609	401846	743005	1374137	LINR	-2.72556	6914		0.99722	
C-19	36529	151240	396468	738088	1358569	LINR	-2.86246	6836		0.99713	
TPH	537323	2144825	5569903	10240564	19070516	LINR	-41.02468	6834		0.99756	
C-20	36474	152937	395253	734447	1355522	LINR	-2.91647	6814		0.99726	
C-22	33805	155164	402818	747366	1376292	LINR	-2.82111	6928		0.99702	
C-24	35519	144632	401612	697677	1360176	LINR	-2.23487	6796		0.99791	
C-26	34281	151569	397902	736938	1369854	LINR	-2.60152	6888		0.99750	
C-28	36039	150966	392117	732595	1365001	LINR	-2.55607	6857		0.99783	

Katahdin Analytical Services 2000077

eport Date : 27-Sep-2007 12:54

Katahdin Analytical Services

INITIAL CALIBRATION DATA

tart Cal Date : 26-SEP-2007 17:46
nd Cal Date : 26-SEP-2007 20:56
uant Method : ESTD
rigin : Included
arget Version : 4.12
ntegrator : HP Genie
ethod file : \\Target_server\GG\chem\gc10.i\GC10AI25B1.b\tphb020a.m
al Date : 27-Sep-2007 12:44 ktanguay

Compound	5.0000 Level 1	20.0000 Level 2	50.0000 Level 3	100.0000 Level 4	200.0000 Level 5	Curve	Coefficients b	m1	m2	%RSD or R^2
16 C-30	36376	151517	391960	738769	1372384	LINR	-2.51513	6898		0.99783
17 C-36	33860	147631	331883	702791	1300387	LINR	-1.54750	6549		0.99837
S 8 O-Terphenyl	17102	62349	177848	313632	599297	LINR	-0.98858	7505		0.99762

Katahdin Analytical Services 2000078

eport Date : 27-Sep-2007 12:54

Katahdin Analytical Services

INITIAL CALIBRATION DATA

tart Cal Date : 26-SEP-2007 17:46
nd Cal Date : 26-SEP-2007 20:56
uant Method : ESTD
rigin : Included
arget Version : 4.12
ntegrator : HP Genie
ethod file : \\Target_server\GG\chem\gc10.i\GC10AI25B1.b\tphb020a.m
al Date : 27-Sep-2007 12:44 ktanguay

Curve	Formula	Units
Linear	Amt = b + Rsp/m1	Response

Katahdin Analytical Services 2000079

Data File: \\Target_server\GG\chem\gc10.i\GC10AI25B1.b\AAI4057A.d
Report Date: 26-Dec-2007 10:05

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gc10.i\GC10AI25B1.b\AAI4057A.d
Lab Smp Id: PHC 200UG/ML
Inj Date : 26-SEP-2007 17:46
Operator : KGT Inst ID: gc10.i
Smp Info : TPHB020A.M,GC10AI25B1.B,1,PHC 200UG/ML
Misc Info : None
Comment :
Method : \\TARGET_SERVER\GG\chem\gc10.i\GC10AI25B1.B\TPHB020A.m
Meth Date : 22-Oct-2007 12:10 kasgc Quant Type: ESTD
Cal Date : 26-SEP-2007 17:46 Cal File: AAI4057A.d
Als bottle: 1 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: cv.sub
Subtraction File: \\Target_server\GG\chem\gc10.i\GC10AI25B1.b\AAI4054.d
Target Version: 4.12
Processing Host: TARGET06

Concentration Formula: Amt * DF * (Vt/Vo)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00100	Final Volume (L)
Vo	1.000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)
M 1 TPH Peaks C9-C36				19070516	2800.00	2750
2 C-9	2.750	2.765	-0.015	1383615	200.000	197
3 C-10	4.183	4.186	-0.003	1371612	200.000	196
4 C-12	7.156	7.137	0.019	1357761	200.000	196
5 C-14	9.806	9.787	0.019	1359209	200.000	196
6 C-16	12.147	12.122	0.025	1365997	200.000	196
7 C-18	14.253	14.216	0.037	1374137	200.000	196
$ 8 O-Terphenyl	14.649	14.644	0.005	599297	80.0000	78.9
9 C-19	15.231	15.192	0.039	1358569	200.000	196
11 C-20	16.173	16.124	0.049	1355522	200.000	196 (M)
12 C-22	17.920	17.871	0.049	1376292	200.000	196 (M)
13 C-24	19.533	19.481	0.052	1360176	200.000	197 (M)
14 C-26	21.026	20.972	0.054	1369854	200.000	197 (M)
15 C-28	22.413	22.360	0.053	1365001	200.000	197 (M)
16 C-30	23.720	23.653	0.067	1372384	200.000	197 (M)
17 C-36	27.369	27.280	0.089	1300387	200.000	197

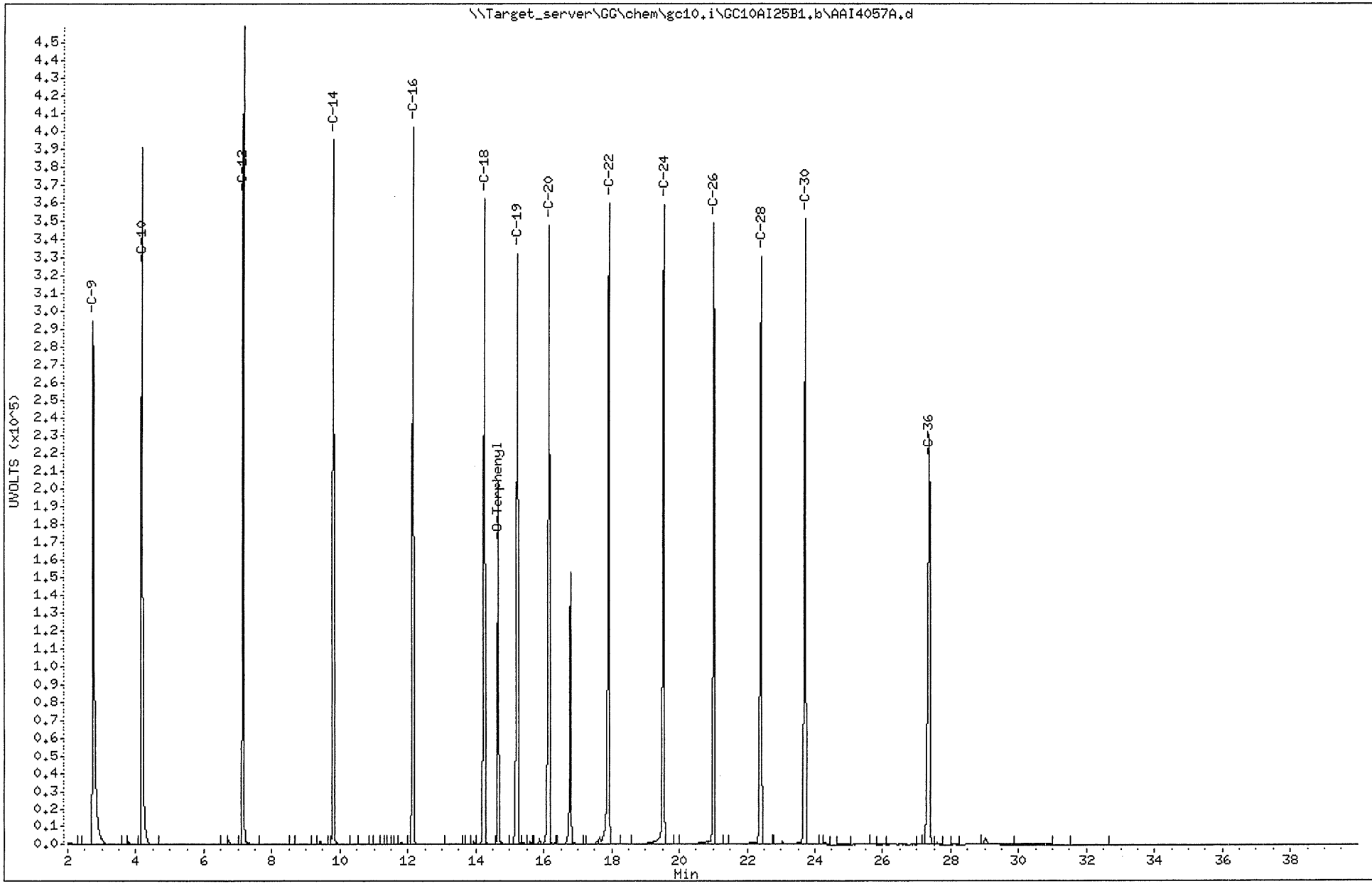
M1 JL 12/26/07

QC Flag Legend

M - Compound response manually integrated.

Data File: \\Target_server\GC\chem\gc10.i\GC10AI25B1.b\AAI4057A.d
Date : 26-SEP-2007 17:46
Client ID:
Sample Info: TPHB020A.M,GC10AI25B1.B,1,PHC 200UG/ML
Purge Volume: 1.0
Column phase: ZB-1

Instrument: gc10.i
Operator: KGT
Column diameter: 0.25



Katahdin Analytical Services 2000081

Data File: \\Target_server\GG\chem\gc10.i\GC10AI25B1.b\AAI4058A.d
Report Date: 26-Dec-2007 10:05

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gc10.i\GC10AI25B1.b\AAI4058A.d
Lab Smp Id: PHC 100UG/ML
Inj Date : 26-SEP-2007 18:34
Operator : KGT Inst ID: gc10.i
Smp Info : TPHB020A.M,GC10AI25B1.B,1,PHC 100UG/ML
Misc Info : None
Comment :
Method : \\TARGET_SERVER\GG\chem\gc10.i\GC10AI25B1.B\TPHB020A.m
Meth Date : 22-Oct-2007 12:10 kasgc Quant Type: ESTD
Cal Date : 26-SEP-2007 18:34 Cal File: AAI4058A.d
Als bottle: 1 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: cv.sub
Subtraction File: \\Target_server\GG\chem\gc10.i\GC10AI25B1.b\AAI4054.d
Target Version: 4.12
Processing Host: TARGET06

Concentration Formula: Amt * DF * (Vt/Vo)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00100	Final Volume (L)
Vo	1.000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)
M	1 TPH Peaks C9-C36				10240564	1400.00	1460
	2 C-9	2.758	2.765	-0.007	729718	100.000	102
	3 C-10	4.184	4.186	-0.002	744165	100.000	104
	4 C-12	7.146	7.137	0.009	721711	100.000	103
	5 C-14	9.792	9.787	0.005	736366	100.000	105
	6 C-16	12.131	12.122	0.009	736928	100.000	104
	7 C-18	14.236	14.216	0.020	743005	100.000	105
$	8 O-Terphenyl	14.636	14.644	-0.008	313632	40.0000	40.7
	9 C-19	15.211	15.192	0.019	738088	100.000	105
	11 C-20	16.145	16.124	0.021	734447	100.000	105
	12 C-22	17.893	17.871	0.022	747366	100.000	105 (M)
	13 C-24	19.506	19.481	0.025	697677	100.000	100 (M)
	14 C-26	21.000	20.972	0.028	736938	100.000	105 (M)
	15 C-28	22.386	22.360	0.026	732595	100.000	104 (M)
	16 C-30	23.693	23.653	0.040	738769	100.000	105 (M)
	17 C-36	27.329	27.280	0.049	702791	100.000	106

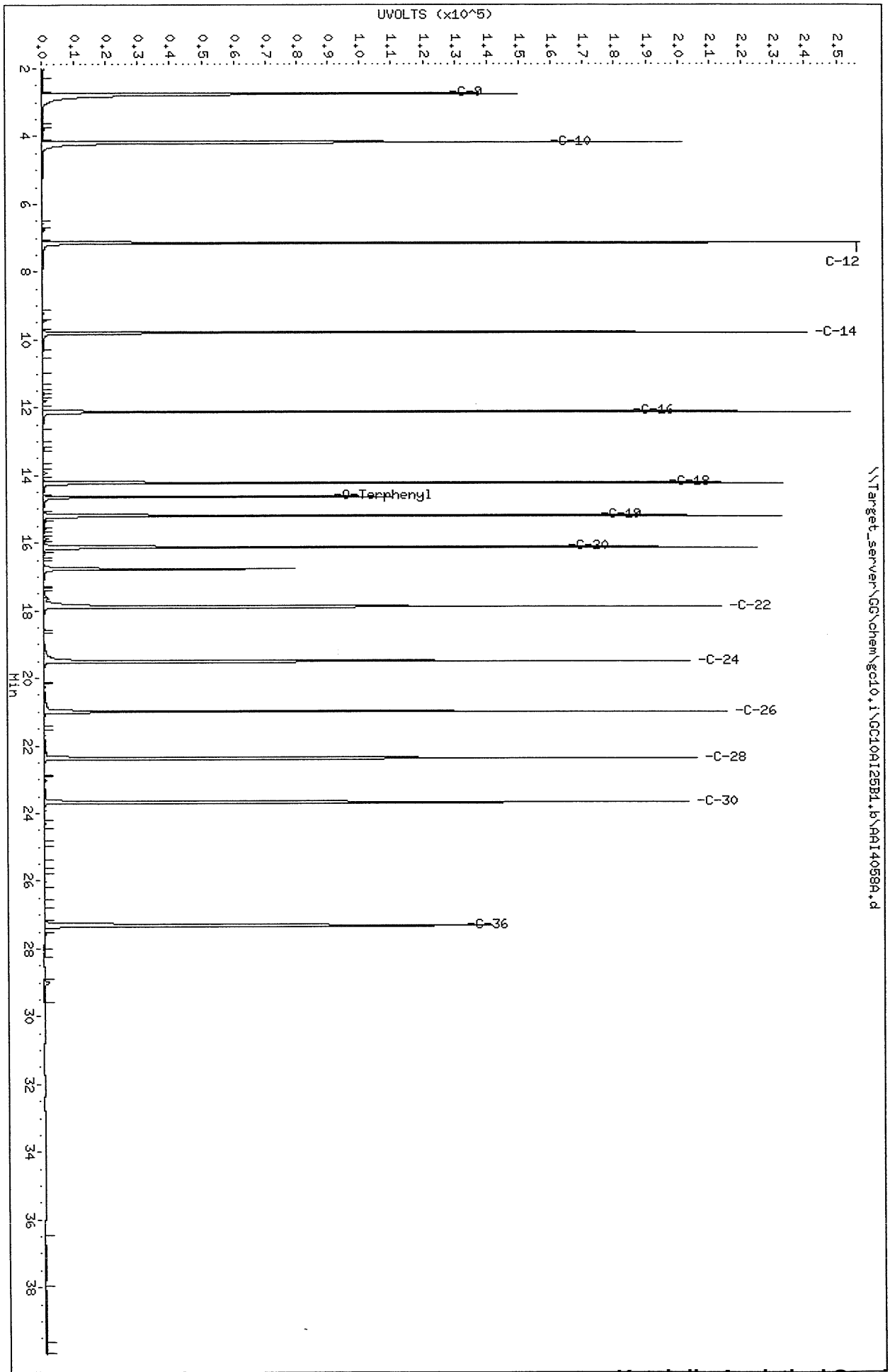
MI
JB
12/26/07

QC Flag Legend

M - Compound response manually integrated.

Data File: \\Target_server\GC\chem\gc10.i\GC10AI25B1.b\AAI4058A.d
Date : 26-SEP-2007 18:34
Client ID:
Sample Info: TPHB020A.M,GC10AI25B1.B,1,PHC 100UG/ML
Purge Volume: 1.0
Column phase: ZB-1

Instrument: gc10.i
Operator: KGT
Column diameter: 0.25



\\Target_server\GC\chem\gc10.i\GC10AI25B1.b\AAI4058A.d

Data File: \\Target_server\GG\chem\gc10.i\GC10AI25B1.b\AAI4059A.d
Report Date: 26-Dec-2007 10:05

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gc10.i\GC10AI25B1.b\AAI4059A.d
Lab Smp Id: PHC 50UG/ML
Inj Date : 26-SEP-2007 19:21
Operator : KGT Inst ID: gc10.i
Smp Info : TPHB020A.M,GC10AI25B1.B,1,PHC 50UG/ML
Misc Info : None
Comment :
Method : \\TARGET_SERVER\GG\chem\gc10.i\GC10AI25B1.B\TPHB020A.m
Meth Date : 22-Oct-2007 12:10 kasgc Quant Type: ESTD
Cal Date : 26-SEP-2007 19:21 Cal File: AAI4059A.d
Als bottle: 1 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: cv.sub
Subtraction File: \\Target_server\GG\chem\gc10.i\GC10AI25B1.b\AAI4054.d
Target Version: 4.12
Processing Host: TARGET06

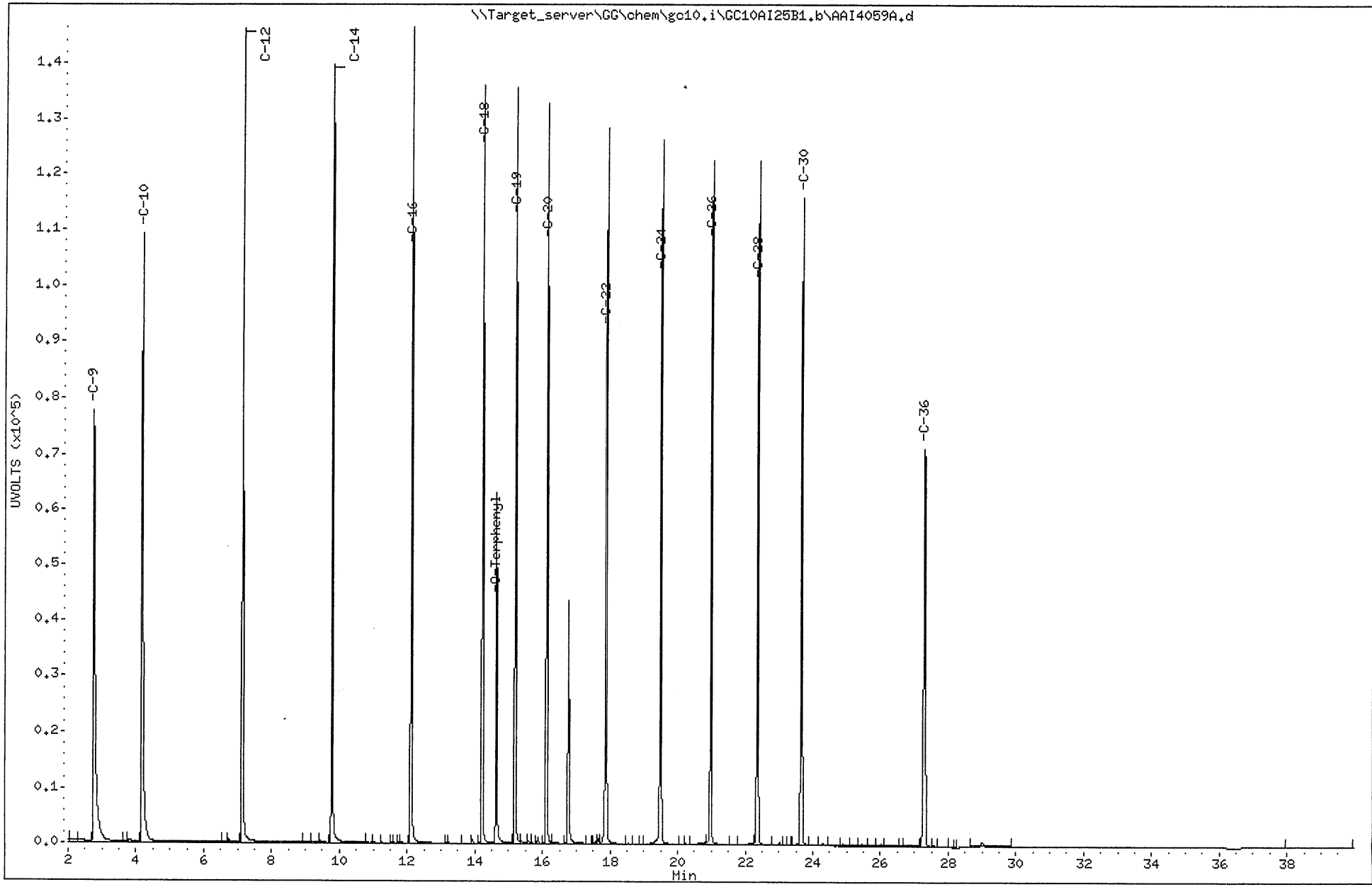
Concentration Formula: Amt * DF * (Vt/Vo)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00100	Final Volume (L)
Vo	1.000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)
M 1 TPH Peaks C9-C36				5569898	700.000	760
2 C-9	2.751	2.765	-0.014	414162	50.0000	55.7
3 C-10	4.175	4.186	-0.011	427803	50.0000	56.8
4 C-12	7.134	7.137	-0.003	408955	50.0000	55.8
5 C-14	9.777	9.787	-0.010	403672	50.0000	54.7
6 C-16	12.118	12.122	-0.004	403447	50.0000	54.6
7 C-18	14.221	14.216	0.005	401846	50.0000	54.1
$ 8 O-Terphenyl	14.625	14.644	-0.019	177848	20.0000	22.2
9 C-19	15.196	15.192	0.004	396468	50.0000	53.9
11 C-20	16.130	16.124	0.006	395253	50.0000	54.0
12 C-22	17.879	17.871	0.008	402818	50.0000	54.2
13 C-24	19.490	19.481	0.009	401612	50.0000	55.4
14 C-26	20.982	20.972	0.010	397902	50.0000	54.2
15 C-28	22.370	22.360	0.010	392117	50.0000	54.1
16 C-30	23.667	23.653	0.014	391960	50.0000	53.8
17 C-36	27.298	27.280	0.018	331883	50.0000	48.9

Data File: \\Target_server\GG\chem\gc10.i\GC10AI25B1.b\AAI4059A.d
Date : 26-SEP-2007 19:21
Client ID:
Sample Info: TPHB020A.M,GC10AI25B1.B,1,PHC 50UG/ML
Purge Volume: 1.0
Column phase: ZB-1

Instrument: gc10.i
Operator: KGT
Column diameter: 0.25



Katahdin Analytical Services 2000085

Data File: \\Target_server\GG\chem\gc10.i\GC10AI25B1.b\AAI4060A.d
Report Date: 26-Dec-2007 10:05

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gc10.i\GC10AI25B1.b\AAI4060A.d
Lab Smp Id: PHC 20UG/ML
Inj Date : 26-SEP-2007 20:08
Operator : KGT Inst ID: gc10.i
Smp Info : TPHB020A.M,GC10AI25B1.B,1,PHC 20UG/ML
Misc Info : None
Comment :
Method : \\TARGET_SERVER\GG\chem\gc10.i\GC10AI25B1.B\TPHB020A.m
Meth Date : 22-Oct-2007 12:10 kasgc Quant Type: ESTD
Cal Date : 26-SEP-2007 20:08 Cal File: AAI4060A.d
Als bottle: 1 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: cv.sub
Subtraction File: \\Target_server\GG\chem\gc10.i\GC10AI25B1.b\AAI4054.d
Target Version: 4.12
Processing Host: TARGET06

Concentration Formula: Amt * DF * (Vt/Vo)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00100	Final Volume (L)
Vo	1.000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)
M 1 TPH Peaks C9-C36				2144825	280.000	274
2 C-9	2.752	2.765	-0.013	161468	20.0000	19.4
3 C-10	4.174	4.186	-0.012	162742	20.0000	18.9
4 C-12	7.129	7.137	-0.008	154218	20.0000	19.9
5 C-14	9.771	9.787	-0.016	155597	20.0000	19.6
6 C-16	12.109	12.122	-0.013	154535	20.0000	19.4
7 C-18	14.213	14.216	-0.003	150609	20.0000	19.0 (M)
$ 8 O-Terphenyl	14.626	14.644	-0.018	62349	8.00000	7.32 (M)
9 C-19	15.186	15.192	-0.006	151240	20.0000	19.3 (M)
11 C-20	16.121	16.124	-0.003	152937	20.0000	19.5
12 C-22	17.868	17.871	-0.003	155164	20.0000	19.6
13 C-24	19.479	19.481	-0.002	144632	20.0000	19.0
14 C-26	20.973	20.972	0.001	151569	20.0000	19.4 (M)
15 C-28	22.358	22.360	-0.002	150966	20.0000	19.6
16 C-30	23.653	23.653	0.000	151517	20.0000	19.6 (M)
17 C-36	27.280	27.280	0.000	147631	20.0000	21.3 (M)

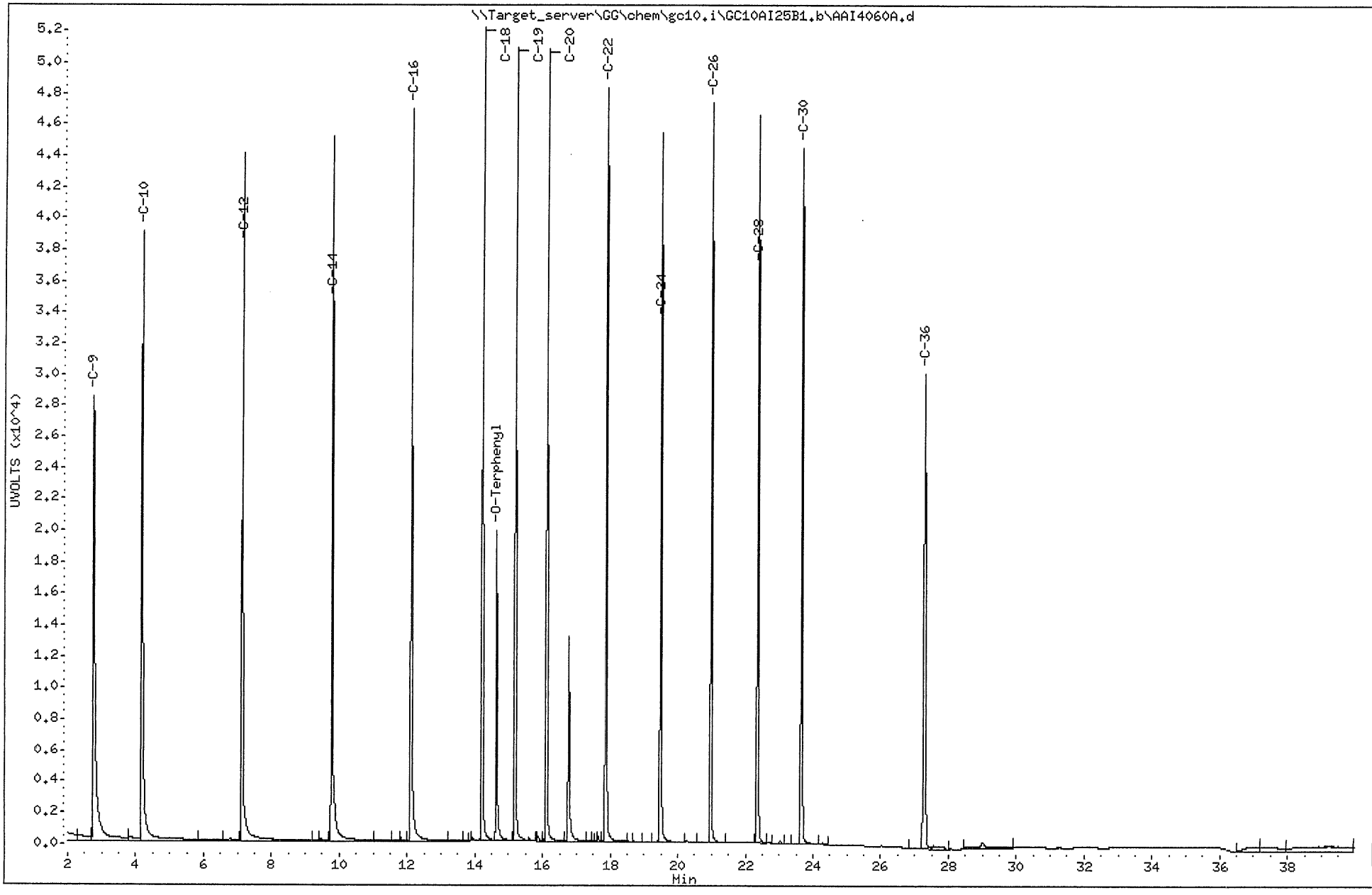
MI
JKP
12/26/07

QC Flag Legend

M - Compound response manually integrated.

Data File: \\Target_server\GG\chem\gc10.i\GC10AI25B1.b\AAI4060A.d
Date : 26-SEP-2007 20:08
Client ID:
Sample Info: TPHB020A.M,GC10AI25B1.B,1,PHC 20UG/ML
Purge Volume: 1.0
Column phase: ZB-1

Instrument: gc10.i
Operator: KGT
Column diameter: 0.25



Katahdin Analytical Services 2000087

Data File: \\Target_server\GG\chem\gc10.i\GC10AI25B1.b\AAI4061A.d
Report Date: 26-Dec-2007 10:05

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gc10.i\GC10AI25B1.b\AAI4061A.d
Lab Smp Id: PHC 5UG/ML
Inj Date : 26-SEP-2007 20:56
Operator : KGT Inst ID: gc10.i
Smp Info : TPHB020A.M,GC10AI25B1.B,1,PHC 5UG/ML
Misc Info : None
Comment :
Method : \\TARGET_SERVER\GG\chem\gc10.i\GC10AI25B1.B\TPHB020A.m
Meth Date : 22-Oct-2007 12:10 kasgc Quant Type: ESTD
Cal Date : 26-SEP-2007 20:56 Cal File: AAI4061A.d
Als bottle: 1 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: cv.sub
Subtraction File: \\Target_server\GG\chem\gc10.i\GC10AI25B1.b\AAI4054.d
Target Version: 4.12
Processing Host: TARGET06

Concentration Formula: Amt * DF * (Vt/Vo)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00100	Final Volume (L)
Vo	1.000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)
M 1 TPH Peaks C9-C36				537323	70.0000	37.8
2 C-9	2.765	2.765	0.000	57469	5.00000	4.28
3 C-10	4.186	4.186	0.000	57864	5.00000	3.62
4 C-12	7.137	7.137	0.000	27240	5.00000	1.27
5 C-14	9.787	9.787	0.000	37634	5.00000	2.28
6 C-16	12.122	12.122	0.000	38089	5.00000	2.46
7 C-18	14.216	14.216	0.000	36144	5.00000	2.50
$ 8 O-Terphenyl	14.644	14.644	0.000	17102	2.00000	1.29
9 C-19	15.192	15.192	0.000	36529	5.00000	2.48
11 C-20	16.124	16.124	0.000	36474	5.00000	2.44
12 C-22	17.871	17.871	0.000	33805	5.00000	2.06
13 C-24	19.481	19.481	0.000	35519	5.00000	2.99
14 C-26	20.972	20.972	0.000	34281	5.00000	2.38
15 C-28	22.360	22.360	0.000	36039	5.00000	2.70(M)
16 C-30	23.653	23.653	0.000	36376	5.00000	2.76(M)
17 C-36	27.280	27.280	0.000	33860	5.00000	3.62(M)

MI JLP 122607

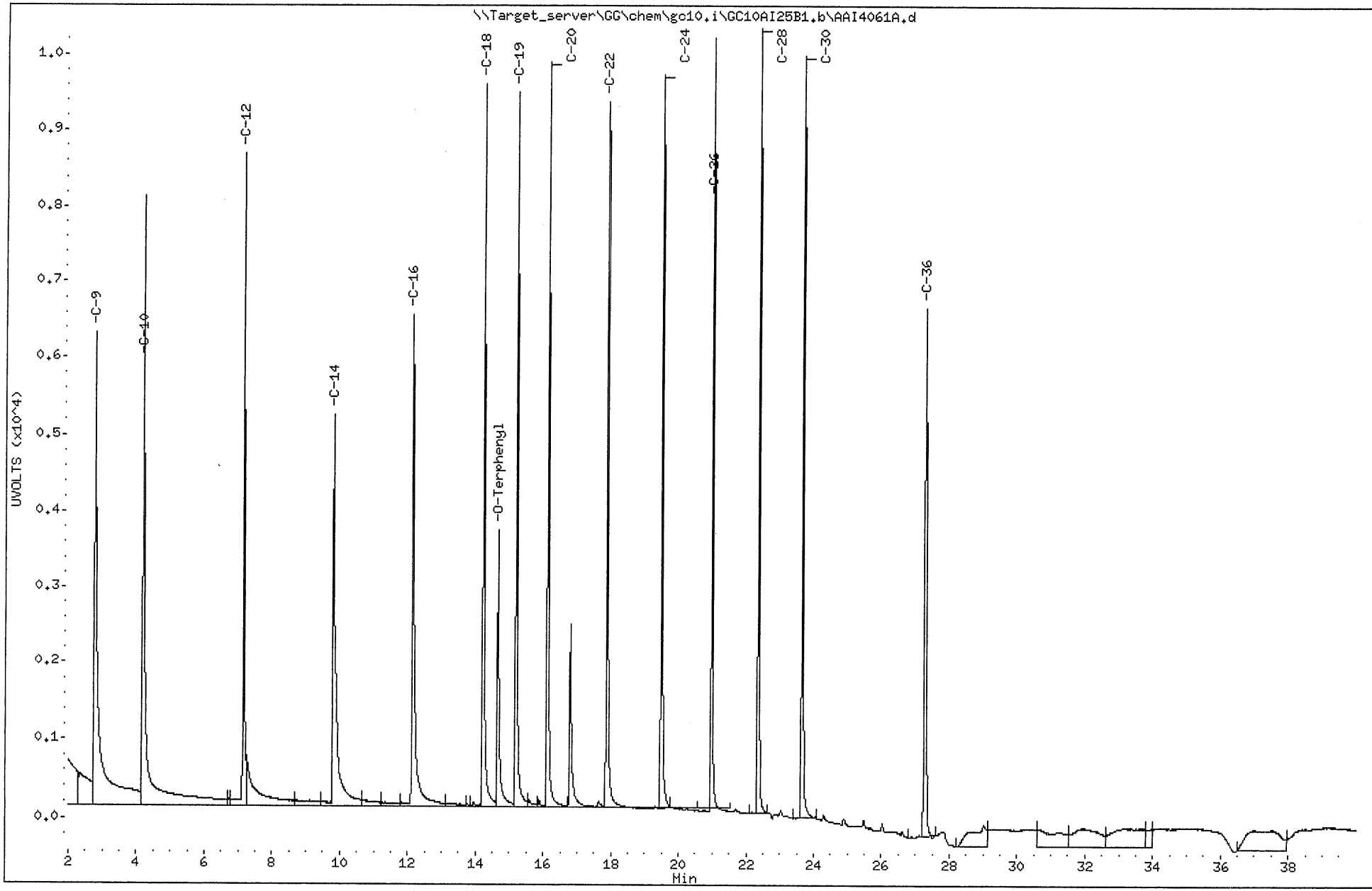
QC Flag Legend

M - Compound response manually integrated.

Data File: \\Target_server\GC\chem\gc10.i\GC10AI25B1.b\AAI4061A.d
Date : 26-SEP-2007 20:56
Client ID:
Sample Info: TPHB020A.M,GC10AI25B1.B,1,PHC 5UG/ML
Purge Volume: 1.0
Column phase: ZB-1

Instrument: gc10.i

Operator: KGT
Column diameter: 0.25



Katahdin Analytical Services 2000089

FORM 7B
SEMIVOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 426 NLON SDG No.: CTO426-1

Instrument ID: GC10 Calibration Date: 09/26/07 Time: 2143

Lab File ID: AAI4062 Init. Calib. Date(s): 09/26/07 09/26/07

Init. Calib. Times: 1746 2056

GC Column: ZB-1 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
DRO Peaks C10-C28	502.52000	500.00000	7294.2000	0.01	0.50	20.00	LINR
C-10	50.389000	50.000000	7556.9000	0.01	0.78	20.00	LINR
C-12	50.206000	50.000000	7222.1000	0.01	0.41	20.00	LINR
C-14	50.350000	50.000000	7316.0000	0.01	0.70	20.00	LINR
C-16	49.756000	50.000000	7248.7000	0.01	-0.49	20.00	LINR
C-18	50.010000	50.000000	7283.1000	0.01	0.02	20.00	LINR
C-20	50.384000	50.000000	7281.4000	0.01	0.77	20.00	LINR
C-22	49.693000	50.000000	7278.3000	0.01	-0.61	20.00	LINR
C-24	51.141000	50.000000	7235.0000	0.01	2.28	20.00	LINR
C-28	50.061000	50.000000	7214.1000	0.01	0.12	20.00	LINR
C-26	50.526000	50.000000	7305.9000	0.01	1.05	20.00	LINR

FORM VII DRO

Data File: \\Target_server\GG\chem\gc10.i\GC10AI25B1.b\AAI4062.d
Report Date: 07-Nov-2007 20:41

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gc10.i\GC10AI25B1.b\AAI4062.d
Lab Smp Id: IND 50UG/ML
Inj Date : 26-SEP-2007 21:43
Operator : KGT Inst ID: gc10.i
Smp Info : DROB020A.M,GC10AI25B1.B,1,IND 50UG/ML
Misc Info : None
Comment :
Method : \\Target_server\GG\chem\gc10.i\GC10AI25B1.B\DROB020A.m
Meth Date : 02-Nov-2007 16:11 gc10.i Quant Type: ESTD
Cal Date : 26-SEP-2007 20:56 Cal File: AAI4061.d
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: INDSOURCE.sub
Subtraction File: \\Target_server\GG\chem\gc10.i\GC10AI25B1.b\AAI4054.d
Target Version: 4.12
Processing Host: TARGET06

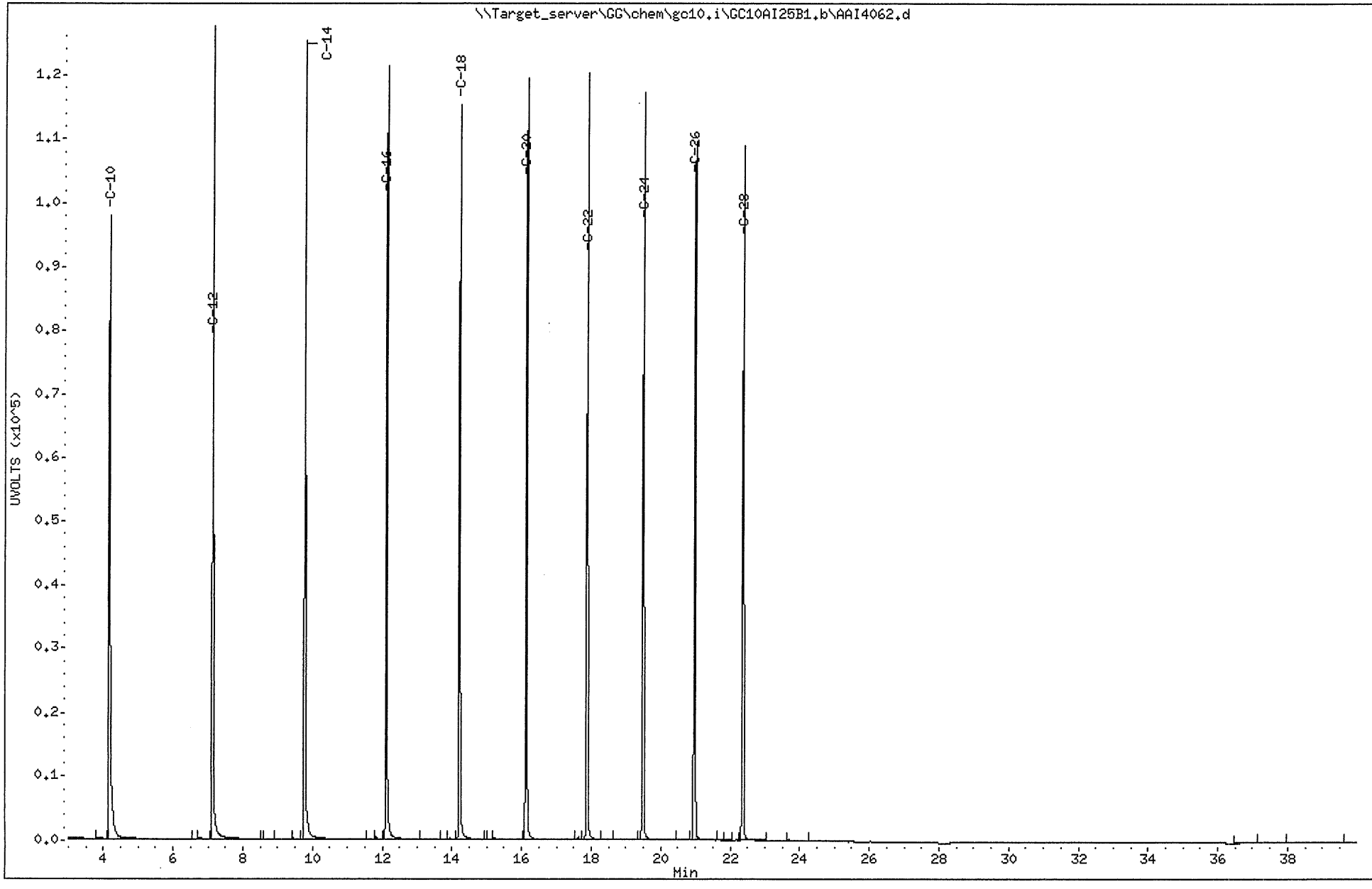
Concentration Formula: Amt * DF * (Vt/Vo)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00100	Final Volume (L)
Vo	1.000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)
M 1 DRO Peaks C10-C28				3647071	500.000	502
3 C-10	4.174	4.183	-0.009	377843	50.0000	50.4
4 C-12	7.133	7.156	-0.023	361103	50.0000	50.2
5 C-14	9.774	9.806	-0.032	365801	50.0000	50.4
6 C-16	12.116	12.147	-0.031	362433	50.0000	49.8
8 C-18	14.218	14.253	-0.035	364156	50.0000	50.0
11 C-20	16.129	16.173	-0.044	364071	50.0000	50.4
12 C-22	17.878	17.920	-0.042	363914	50.0000	49.7
13 C-24	19.490	19.533	-0.043	361749	50.0000	51.1
14 C-26	20.981	21.026	-0.045	365295	50.0000	50.5
15 C-28	22.369	22.413	-0.044	360706	50.0000	50.1

Data File: \\Target_server\GC\chem\gc10.i\GC10AI25B1.b\AAI4062.d
Date : 26-SEP-2007 21:43
Client ID:
Sample Info: DROB020A.M,GC10AI25B1.B,1,IND 50UG/ML
Purge Volume: 1.0
Column phase: ZB-1

Instrument: gc10.i
Operator: KGT
Column diameter: 0.25



Katahdin Analytical Services 2000092

FORM 7B
SEMIVOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 426 NLON SDG No.: CTO426-1

Instrument ID: GC10 Calibration Date: 01/25/08 Time: 0049

Lab File ID: ABA2193 Init. Calib. Date(s): 09/26/07 09/26/07

Init. Calib. Times: 1746 2056

GC Column: ZB-1 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
TPH Peaks C9-C36	697.41000	700.00000	7208.6000	0.01	-0.37	20.00	LINR
C-9	49.228000	50.000000	7329.8000	0.01	-1.54	20.00	LINR
C-10	49.697000	50.000000	7462.1000	0.01	-0.61	20.00	LINR
C-12	50.375000	50.000000	7245.2000	0.01	0.75	20.00	LINR
C-14	50.460000	50.000000	7331.1000	0.01	0.92	20.00	LINR
C-16	49.500000	50.000000	7213.5000	0.01	-1.00	20.00	LINR
C-18	50.287000	50.000000	7330.4000	0.01	0.57	20.00	LINR
C-19	50.779000	50.000000	7333.8000	0.01	1.56	20.00	LINR
C-20	51.295000	50.000000	7388.3000	0.01	2.59	20.00	LINR
C-22	50.361000	50.000000	7369.3000	0.01	0.72	20.00	LINR
C-24	52.227000	50.000000	7402.4000	0.01	4.45	20.00	LINR
C-26	49.143000	50.000000	7128.4000	0.01	-1.71	20.00	LINR
C-28	50.433000	50.000000	7267.4000	0.01	0.87	20.00	LINR
C-30	43.819000	50.000000	6392.7000	0.01	-12.36	20.00	LINR
C-36	49.809000	50.000000	6726.3000	0.01	-0.38	20.00	LINR
O-Terphenyl	20.192000	20.000000	7947.8000	0.01	0.96	20.00	LINR

FORM VII DRO

Data File: \\Target_server\GG\chem\gc10.i\GC10BA24B1.b\ABA2193.d
Report Date: 01-Feb-2008 13:18

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gc10.i\GC10BA24B1.b\ABA2193.d
Lab Smp Id: PHC 50UG/ML
Inj Date : 25-JAN-2008 00:49
Operator : KGT Inst ID: gc10.i
Smp Info : TPHB020C.M,GC10BA24B1.B,1,PHC 50UG/ML
Misc Info : PHC50
Comment :
Method : \\TARGET_SERVER\GG\chem\gc10.i\GC10BA24B1.B\TPHB020C.m
Meth Date : 25-Jan-2008 13:36 ktanguay Quant Type: ESTD
Cal Date : 26-SEP-2007 20:56 Cal File: AAI4061A.d
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: cv.sub
Subtraction File: \\Target_server\GG\chem\gc10.i\GC10BA24B1.b\ABA2192.d
Target Version: 4.12
Processing Host: TARGET02

Concentration Formula: Amt * DF * (Vt/Vo)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00100	Final Volume (L)
Vo	1.000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)
M 1 TPH Peaks C9-C36				5046042	700.000	697
2 C-9	2.418	2.483	-0.065	366490	50.0000	49.2(M)
3 C-10	3.806	3.874	-0.068	373106	50.0000	49.7
4 C-12	6.762	6.823	-0.061	362259	50.0000	50.4
5 C-14	9.404	9.461	-0.057	366555	50.0000	50.5
6 C-16	11.742	11.798	-0.056	360677	50.0000	49.5
7 C-18	13.842	13.898	-0.056	366520	50.0000	50.3
$ 8 O-Terphenyl	14.238	14.289	-0.051	158956	20.0000	20.2
9 C-19	14.818	14.871	-0.053	366692	50.0000	50.8
11 C-20	15.752	15.803	-0.051	369417	50.0000	51.3
12 C-22	17.498	17.549	-0.051	368467	50.0000	50.4
13 C-24	19.109	19.157	-0.048	370121	50.0000	52.2
14 C-26	20.600	20.649	-0.049	356420	50.0000	49.1
15 C-28	21.989	22.035	-0.046	363371	50.0000	50.4
16 C-30	23.288	23.330	-0.042	319633	50.0000	43.8
17 C-36	26.810	26.855	-0.045	336314	50.0000	49.8

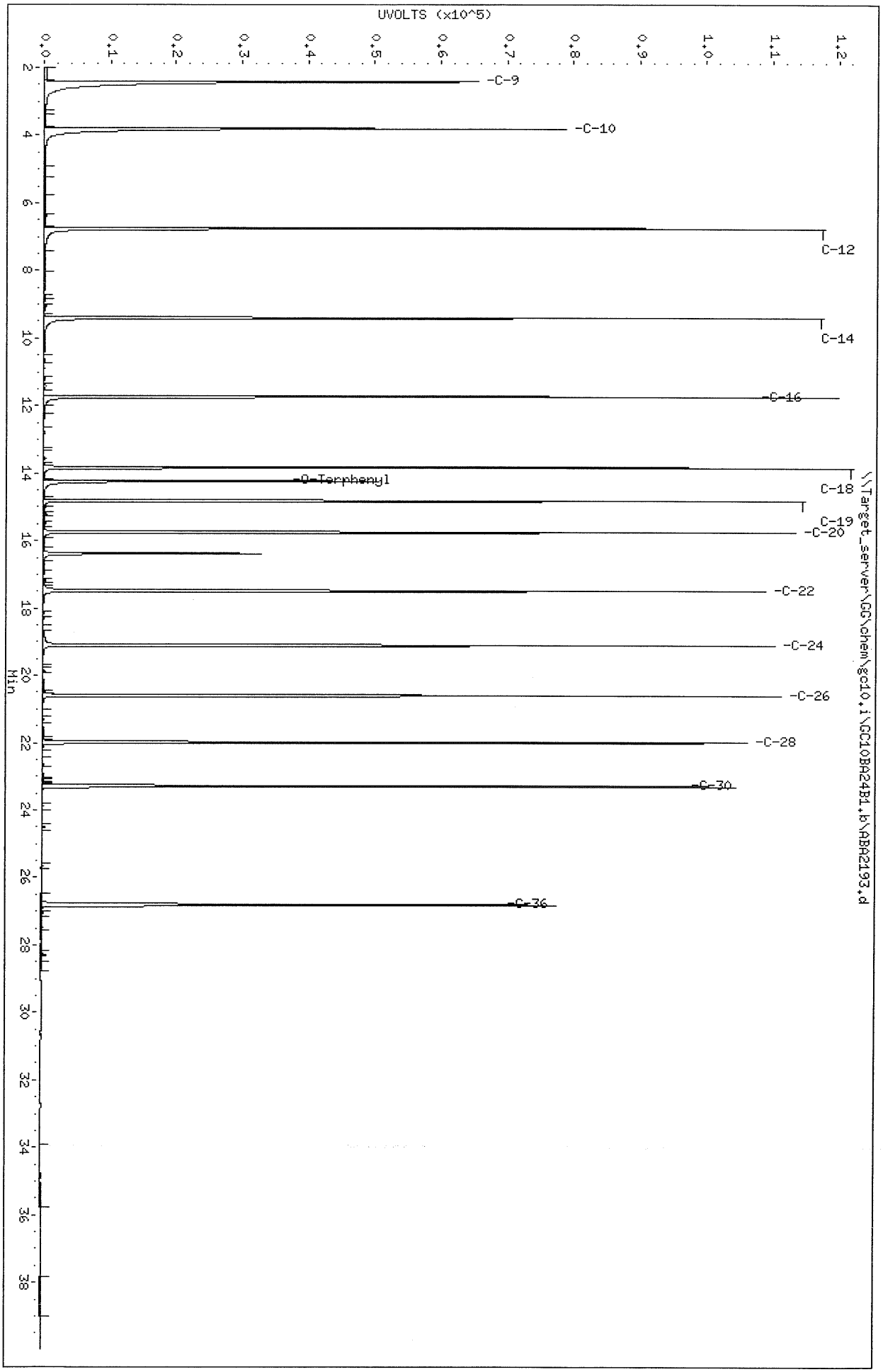
MI
JK
020108

QC Flag Legend

M - Compound response manually integrated.

Data File: \\Target_server\GC\chem\gc10,i\GC10BA24B1,b\ABA2193,d
Date : 25-JAN-2008 00:49
Client ID:
Sample Info: TPHB020C,M,GC10BA24B1,B,1,PHC 50UG/ML
Purge Volume: 1.0
Column phase: ZB-1

Instrument: gc10,i
Operator: KCT
Column diameter: 0.25



FORM 7B
SEMIVOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 426 NLON SDG No.: CTO426-1

Instrument ID: GC10 Calibration Date: 01/25/08 Time: 2042

Lab File ID: ABA2215 Init. Calib. Date(s): 09/26/07 09/26/07

Init. Calib. Times: 1746 2056

GC Column: ZB-1 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
TPH Peaks C9-C36	679.25000	700.00000	7031.6000	0.01	-2.96	20.00	LINR
C-9	48.033000	50.000000	7165.5000	0.01	-3.93	20.00	LINR
C-10	49.880000	50.000000	7487.2000	0.01	-0.24	20.00	LINR
C-12	48.857000	50.000000	7038.0000	0.01	-2.29	20.00	LINR
C-14	47.658000	50.000000	6948.4000	0.01	-4.68	20.00	LINR
C-16	47.753000	50.000000	6973.9000	0.01	-4.49	20.00	LINR
C-18	48.131000	50.000000	7032.2000	0.01	-3.74	20.00	LINR
C-19	48.207000	50.000000	6982.1000	0.01	-3.59	20.00	LINR
C-20	49.476000	50.000000	7140.4000	0.01	-1.05	20.00	LINR
C-22	48.064000	50.000000	7051.2000	0.01	-3.87	20.00	LINR
C-24	49.968000	50.000000	7095.5000	0.01	-0.06	20.00	LINR
C-26	47.079000	50.000000	6844.1000	0.01	-5.84	20.00	LINR
C-28	48.784000	50.000000	7041.3000	0.01	-2.43	20.00	LINR
C-30	48.751000	50.000000	7073.1000	0.01	-2.50	20.00	LINR
C-36	48.607000	50.000000	6568.9000	0.01	-2.79	20.00	LINR
O-Terphenyl	19.563000	20.000000	7711.8000	0.01	-2.18	20.00	LINR

FORM VII DRO

Data File: \\Target_server\GG\chem\gc10.i\GC10BA25B1.b\ABA2215.d
Report Date: 01-Feb-2008 13:24

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gc10.i\GC10BA25B1.b\ABA2215.d
Lab Smp Id: PHC 50UG/ML
Inj Date : 25-JAN-2008 20:42
Operator : KGT Inst ID: gc10.i
Smp Info : TPHB020C.M,GC10BA25B1.B,1,PHC 50UG/ML
Misc Info : PHC50
Comment :
Method : \\TARGET_SERVER\GG\chem\gc10.i\GC10BA25B1.B\TPHB020C.m
Meth Date : 28-Jan-2008 09:23 ktanguay Quant Type: ESTD
Cal Date : 26-SEP-2007 20:56 Cal File: AAI4061A.d
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: cv.sub
Subtraction File: \\Target_server\GG\chem\gc10.i\GC10BA25B1.b\ABA2214.d
Target Version: 4.12
Processing Host: TARGET02

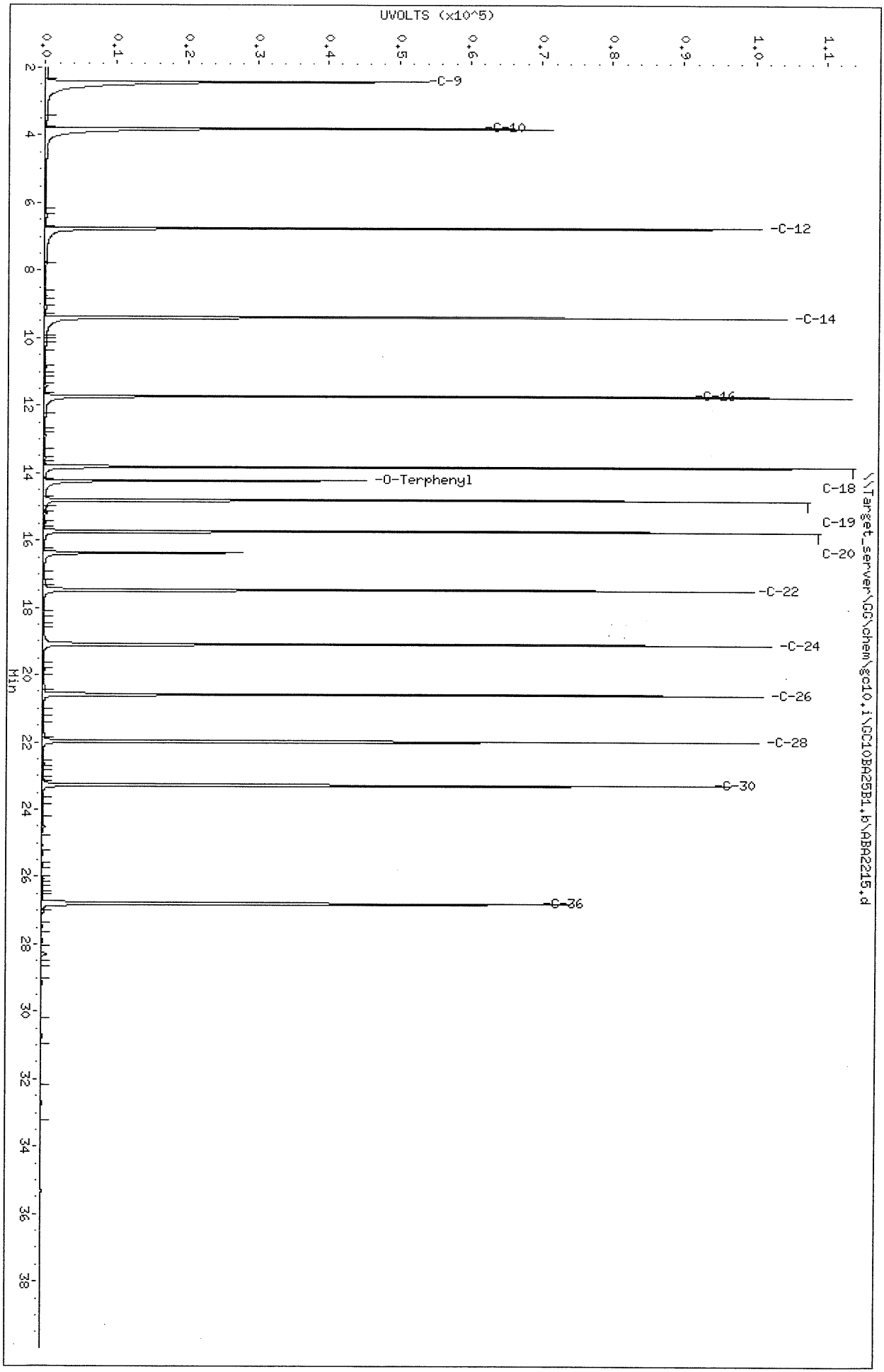
Concentration Formula: Amt * DF * (Vt/Vo)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00100	Final Volume (L)
Vo	1.000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)
M 1 TPH Peaks C9-C36				4922094	700.000	679
2 C-9	2.407	2.407	0.000	358274	50.0000	48.0
3 C-10	3.797	3.797	0.000	374362	50.0000	49.9
4 C-12	6.750	6.750	0.000	351902	50.0000	48.8
5 C-14	9.392	9.392	0.000	347421	50.0000	47.6
6 C-16	11.730	11.730	0.000	348693	50.0000	47.8
7 C-18	13.829	13.829	0.000	351610	50.0000	48.1
$ 8 O-Terphenyl	14.228	14.228	0.000	154236	20.0000	19.6
9 C-19	14.806	14.806	0.000	349107	50.0000	48.2
11 C-20	15.738	15.738	0.000	357021	50.0000	49.5
12 C-22	17.486	17.486	0.000	352558	50.0000	48.1
13 C-24	19.096	19.096	0.000	354773	50.0000	50.0
14 C-26	20.587	20.587	0.000	342206	50.0000	47.1
15 C-28	21.976	21.976	0.000	352064	50.0000	48.8
16 C-30	23.274	23.274	0.000	353657	50.0000	48.8
17 C-36	26.795	26.795	0.000	328446	50.0000	48.6

Data File: \\Target_server\GC\chem\gc10,i\GC10BA25B1,b\ABA2215,d
Date : 25-JAN-2008 20:42
Client ID:
Sample Info: TPHB020C,M,GC10BA25B1,B,1,PHC 50UG/ML
Purge Volume: 1.0
Column phase: ZB-1

Instrument: gc10,i
Operator: KGT
Column diameter: 0.25



FORM 7B
SEMIVOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 426 NLON SDG No.: CTO426-1

Instrument ID: GC10 Calibration Date: 01/30/08 Time: 1736

Lab File ID: ABA4003 Init. Calib. Date(s): 09/26/07 09/26/07

Init. Calib. Times: 1746 2056

GC Column: ZB-1 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
TPH Peaks C9-C36	710.56000	700.00000	7207.2000	0.01	1.51	20.00	LINR
C-9	49.805000	50.000000	7156.5000	0.01	-0.39	20.00	LINR
C-10	50.540000	50.000000	7398.2000	0.01	1.08	20.00	LINR
C-12	51.147000	50.000000	7227.8000	0.01	2.29	20.00	LINR
C-14	50.572000	50.000000	7221.7000	0.01	1.14	20.00	LINR
C-16	50.189000	50.000000	7174.3000	0.01	0.38	20.00	LINR
C-18	50.501000	50.000000	7209.8000	0.01	1.00	20.00	LINR
C-19	51.021000	50.000000	7273.5000	0.01	2.04	20.00	LINR
C-20	51.797000	50.000000	7320.6000	0.01	3.59	20.00	LINR
C-22	50.793000	50.000000	7271.9000	0.01	1.59	20.00	LINR
C-24	52.855000	50.000000	7281.3000	0.01	5.71	20.00	LINR
C-26	47.099000	50.000000	7019.7000	0.01	-5.80	20.00	LINR
C-28	50.914000	50.000000	7141.6000	0.01	1.83	20.00	LINR
C-30	51.618000	50.000000	7291.0000	0.01	3.24	20.00	LINR
C-36	51.709000	50.000000	6913.2000	0.01	3.42	20.00	LINR
O-Terphenyl	20.092000	20.000000	7748.4000	0.01	0.46	20.00	LINR

FORM VII DRO

Data File: \\Target_server\GG\chem\gc10.i\GC10BA30B1.b\ABA4003.d
Report Date: 01-Feb-2008 13:19

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gc10.i\GC10BA30B1.b\ABA4003.d
Lab Smp Id: PHC 50UG/ML
Inj Date : 30-JAN-2008 17:36
Operator : KGT Inst ID: gc10.i
Smp Info : TPHB020D.M,GC10AA30B1.B,1,PHC 50UG/ML
Misc Info : PHC50
Comment :
Method : \\Target_server\GG\chem\gc10.i\GC10BA30B1.b\TPHB020D.m
Meth Date : 01-Feb-2008 09:27 ktanguay Quant Type: ESTD
Cal Date : 26-SEP-2007 20:56 Cal File: AAI4061A.d
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: cv.sub
Subtraction File: \\Target_server\GG\chem\gc10.i\GC10AA30B1.b\ABA4002.d
Target Version: 4.12
Processing Host: TARGET02

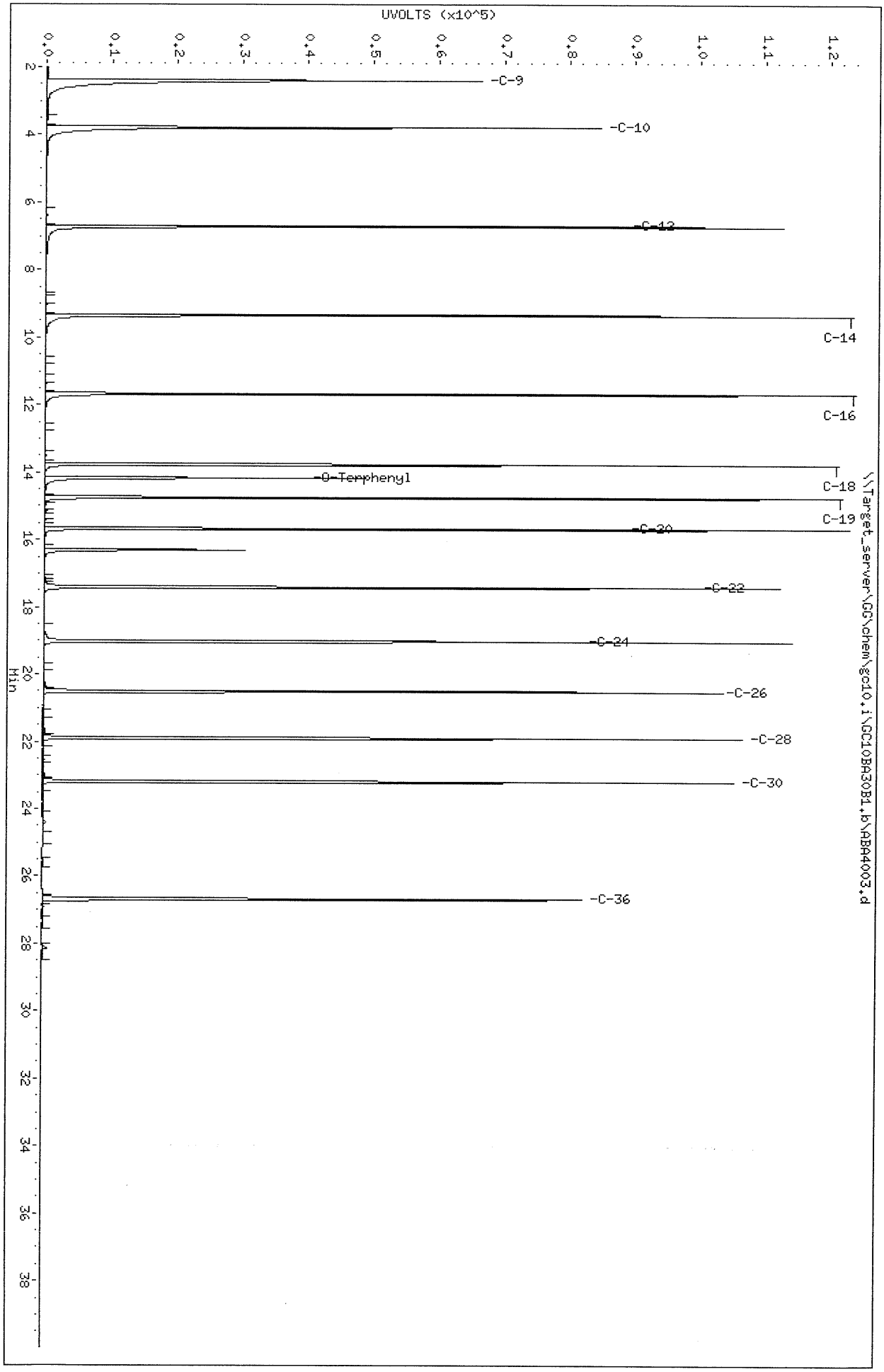
Concentration Formula: Amt * DF * (Vt/Vo)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00100	Final Volume (L)
Vo	1.000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)
M 1 TPH Peaks C9-C36				5135817	700.000	710
2 C-9	2.391	2.389	0.002	370460	50.0000	49.8
3 C-10	3.775	3.772	0.003	378876	50.0000	50.5
4 C-12	6.717	6.715	0.002	367521	50.0000	51.1
5 C-14	9.348	9.348	0.000	367319	50.0000	50.6
6 C-16	11.681	11.680	0.001	365404	50.0000	50.2
7 C-18	13.776	13.777	-0.001	367999	50.0000	50.5
$ 8 O-Terphenyl	14.170	14.170	0.000	158204	20.0000	20.1
9 C-19	14.748	14.750	-0.002	368349	50.0000	51.0
11 C-20	15.679	15.680	-0.001	372836	50.0000	51.8
12 C-22	17.422	17.424	-0.002	371462	50.0000	50.8
13 C-24	19.026	19.030	-0.004	374390	50.0000	52.8
14 C-26	20.513	20.517	-0.004	342341	50.0000	47.1
15 C-28	21.897	21.903	-0.006	366667	50.0000	50.9
16 C-30	23.191	23.196	-0.005	373434	50.0000	51.6
17 C-36	26.681	26.689	-0.008	348759	50.0000	51.7

Data File: \\Target_server\GC\chem\gc10.i\GC10BA30B1.b\ABA4003.d
Date : 30-JAN-2008 17:36
Client ID:
Sample Info: TPHB020D.M.GC10AA30B1.B.1.PHC 50UG/ML
Purge Volume: 1.0
Column phase: ZB-1

Instrument: gc10.i
Operator: KGT
Column diameter: 0.25



FORM 7B
SEMIVOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 426 NLON SDG No.: CTO426-1

Instrument ID: GC10 Calibration Date: 01/31/08 Time: 0306

Lab File ID: ABA4015 Init. Calib. Date(s): 09/26/07 09/26/07

Init. Calib. Times: 1746 2056

GC Column: ZB-1 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
TPH Peaks C9-C36	698.52000	700.00000	7207.2000	0.01	-0.21	20.00	LINR
C-9	46.890000	50.000000	7156.5000	0.01	-6.22	20.00	LINR
C-10	48.943000	50.000000	7398.2000	0.01	-2.11	20.00	LINR
C-12	50.926000	50.000000	7227.8000	0.01	1.85	20.00	LINR
C-14	50.170000	50.000000	7221.7000	0.01	0.34	20.00	LINR
C-16	49.750000	50.000000	7174.3000	0.01	-0.50	20.00	LINR
C-18	49.694000	50.000000	7209.8000	0.01	-0.61	20.00	LINR
C-19	49.961000	50.000000	7273.5000	0.01	-0.08	20.00	LINR
C-20	51.197000	50.000000	7320.6000	0.01	2.39	20.00	LINR
C-22	50.561000	50.000000	7271.9000	0.01	1.12	20.00	LINR
C-24	51.657000	50.000000	7281.3000	0.01	3.31	20.00	LINR
C-26	49.085000	50.000000	7019.7000	0.01	-1.83	20.00	LINR
C-28	50.262000	50.000000	7141.6000	0.01	0.52	20.00	LINR
C-30	50.609000	50.000000	7291.0000	0.01	1.22	20.00	LINR
C-36	48.811000	50.000000	6913.2000	0.01	-2.38	20.00	LINR
O-Terphenyl	20.003000	20.000000	7748.4000	0.01	0.02	20.00	LINR

FORM VII DRO

Data File: \\Target_server\GG\chem\gc10.i\GC10BA30B1.b\ABA4015.d
Report Date: 01-Feb-2008 13:19

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gc10.i\GC10BA30B1.b\ABA4015.d
Lab Smp Id: PHC 50UG/ML
Inj Date : 31-JAN-2008 03:06
Operator : KGT Inst ID: gc10.i
Smp Info : TPHB020D.M,GC10AA30B1.B,1,PHC 50UG/ML
Misc Info : None
Comment :
Method : \\Target_server\GG\chem\gc10.i\GC10BA30B1.b\TPHB020D.m
Meth Date : 01-Feb-2008 09:27 ktanguay Quant Type: ESTD
Cal Date : 26-SEP-2007 20:56 Cal File: AAI4061A.d
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: cv.sub
Subtraction File: \\Target_server\GG\chem\gc10.i\GC10AA30B1.b\ABA4014.d
Target Version: 4.12
Processing Host: TARGET02

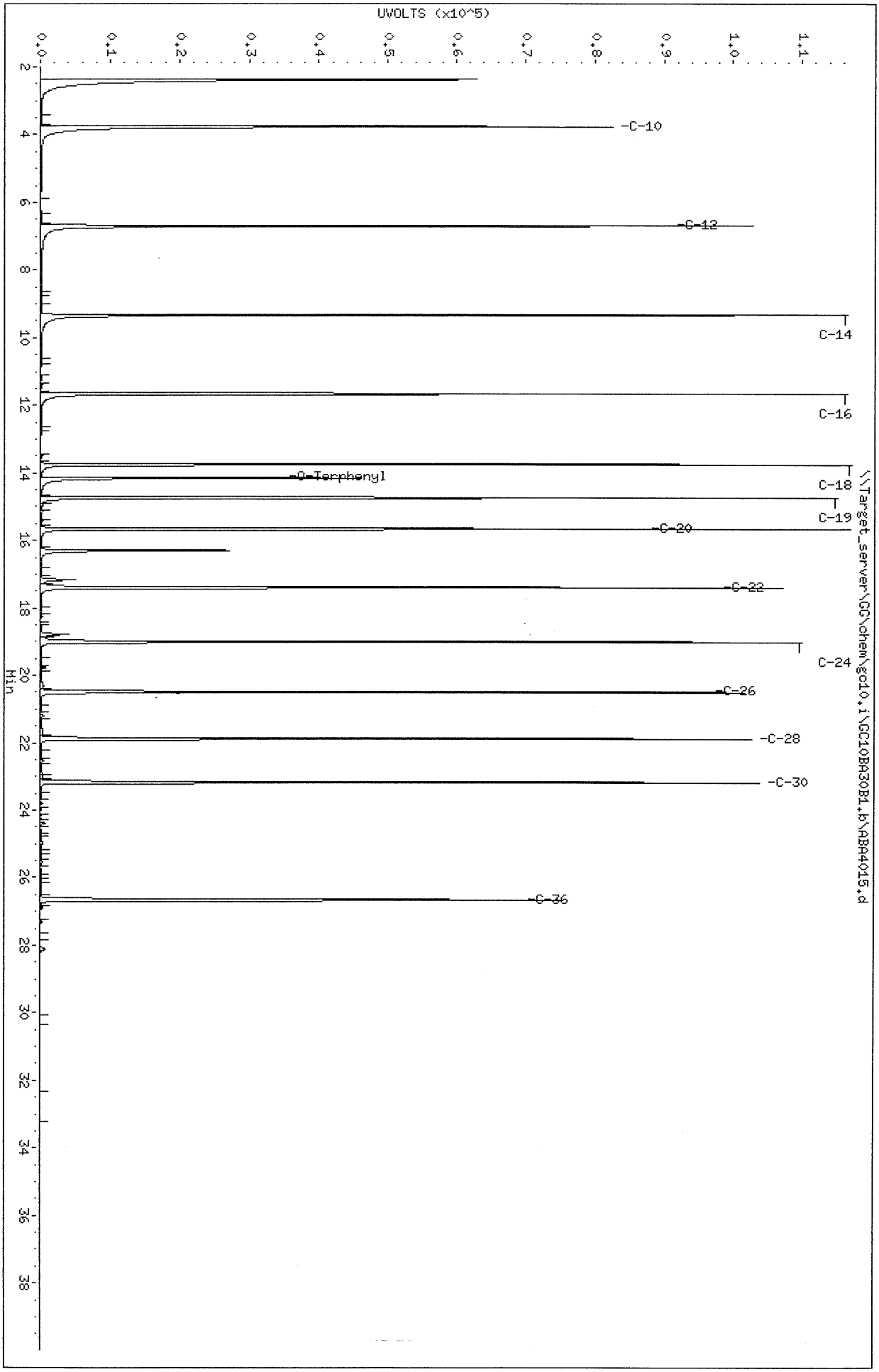
Concentration Formula: Amt * DF * (Vt/Vo)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00100	Final Volume (L)
Vo	1.000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)
M 1 TPH Peaks C9-C36				5054185	700.000	698
2 C-9	2.378	2.389	-0.011	350417	50.0000	46.9
3 C-10	3.761	3.772	-0.011	367953	50.0000	48.9
4 C-12	6.702	6.715	-0.013	366014	50.0000	50.9
5 C-14	9.334	9.348	-0.014	364574	50.0000	50.2
6 C-16	11.667	11.680	-0.013	362391	50.0000	49.8
7 C-18	13.763	13.777	-0.014	362416	50.0000	49.7
$ 8 O-Terphenyl	14.158	14.170	-0.012	157539	20.0000	20.0
9 C-19	14.735	14.750	-0.015	361099	50.0000	50.0
11 C-20	15.665	15.680	-0.015	368751	50.0000	51.2
12 C-22	17.408	17.424	-0.016	369853	50.0000	50.6
13 C-24	19.013	19.030	-0.017	366246	50.0000	51.6
14 C-26	20.501	20.517	-0.016	356019	50.0000	49.1
15 C-28	21.884	21.903	-0.019	362198	50.0000	50.3
16 C-30	23.176	23.196	-0.020	366471	50.0000	50.6
17 C-36	26.663	26.689	-0.026	329783	50.0000	48.8

Data File: \\Target_server\GC\chem\gc10,i\GC10BA30B1,b\ABA4015,d
Date : 31-JAN-2008 03:06
Client ID:
Sample Info: TPHB020D,M,GC10AA30B1,B,1,PHC 50UG/ML
Purge Volume: 1.0
Column phase: ZB-1

Instrument: gc10,i
Operator: KGT
Column diameter: 0.25



FORM 7B
SEMIVOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 426 NLON SDG No.: CTO426-1

Instrument ID: GC10 Calibration Date: 01/31/08 Time: 1059

Lab File ID: ABA4025 Init. Calib. Date(s): 09/26/07 09/26/07

Init. Calib. Times: 1746 2056

GC Column: ZB-1 ID: 0.25 (mm)

COMPOUND	RRF or AMOUNT	RRF20.000 or AMOUNT	CCAL RRF20.000	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE
TPH Peaks C9-C36	262.46000	280.00000	7207.2000	0.01	-6.26	20.00	LINR
C-9	18.148000	20.000000	7156.5000	0.01	-9.26	20.00	LINR
C-10	17.336000	20.000000	7398.2000	0.01	-13.32	20.00	LINR
C-12	18.729000	20.000000	7227.8000	0.01	-6.36	20.00	LINR
C-14	18.348000	20.000000	7221.7000	0.01	-8.26	20.00	LINR
C-16	18.409000	20.000000	7174.3000	0.01	-7.96	20.00	LINR
C-18	18.752000	20.000000	7209.8000	0.01	-6.24	20.00	LINR
C-19	19.222000	20.000000	7273.5000	0.01	-3.89	20.00	LINR
C-20	19.588000	20.000000	7320.6000	0.01	-2.06	20.00	LINR
C-22	18.862000	20.000000	7271.9000	0.01	-5.69	20.00	LINR
C-24	19.892000	20.000000	7281.3000	0.01	-0.54	20.00	LINR
C-26	18.725000	20.000000	7019.7000	0.01	-6.38	20.00	LINR
C-28	19.246000	20.000000	7141.6000	0.01	-3.77	20.00	LINR
C-30	19.326000	20.000000	7291.0000	0.01	-3.37	20.00	LINR
C-36	17.873000	20.000000	6913.2000	0.01	-10.64	20.00	LINR
O-Terphenyl	7.5559000	8.0000000	7748.4000	0.01	-5.55	20.00	LINR

FORM VII DRO

Data File: \\Target_server\GG\chem\gc10.i\GC10BA30B1.b\ABA4025.d
Report Date: 01-Feb-2008 13:22

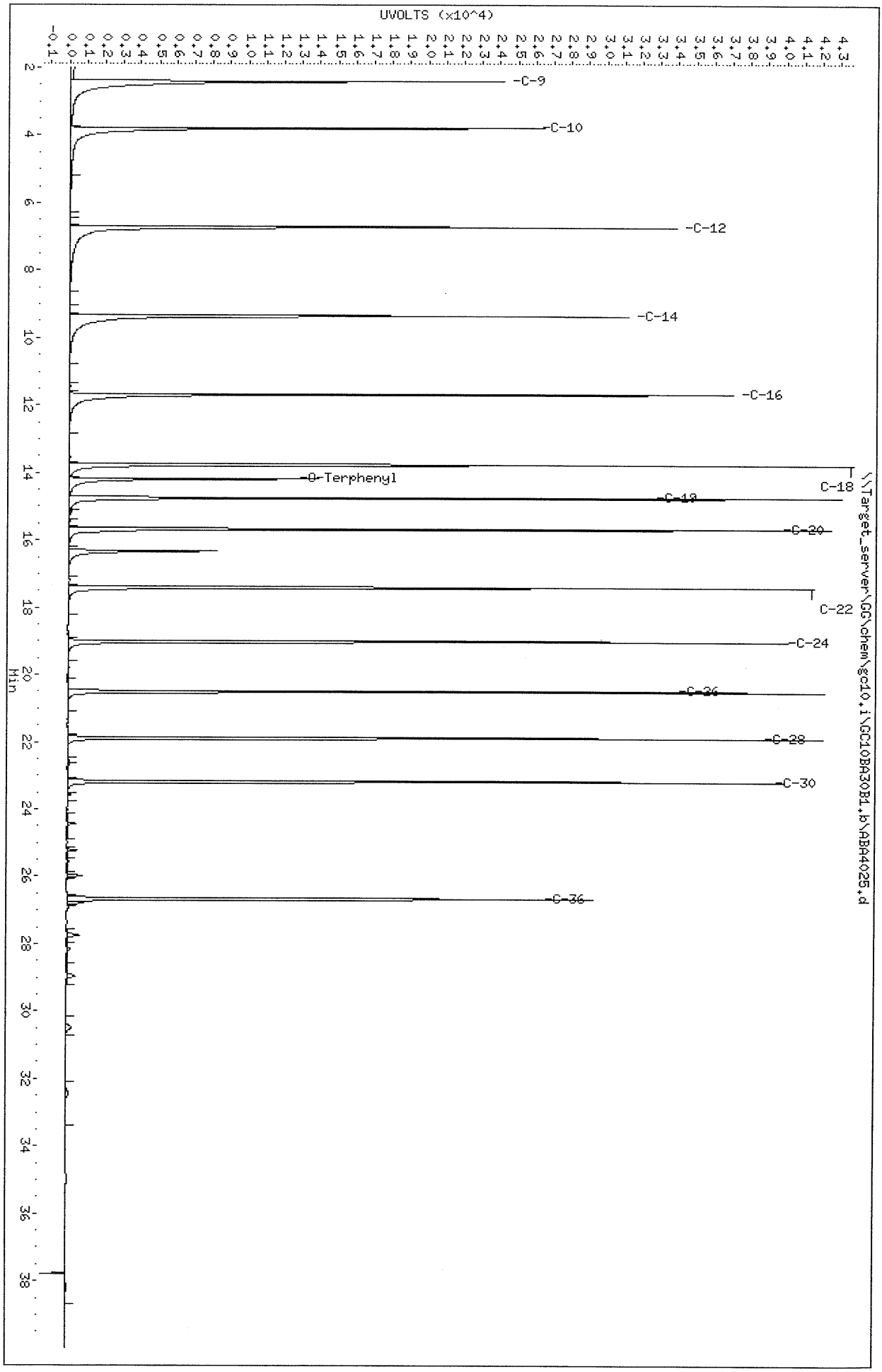
Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gc10.i\GC10BA30B1.b\ABA4025.d
Lab Smp Id: PHC 20UG/ML
Inj Date : 31-JAN-2008 10:59
Operator : KGT Inst ID: gc10.i
Smp Info : TPHB020D.M,GC10AA30B1.B,1,PHC 20UG/ML
Misc Info : PHC20
Comment :
Method : \\Target_server\GG\chem\gc10.i\GC10BA30B1.b\TPHB020D.m
Meth Date : 01-Feb-2008 13:21 jprescott Quant Type: ESTD
Cal Date : 26-SEP-2007 20:56 Cal File: AAI4061A.d
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: cv.sub
Subtraction File: \\Target_server\GG\chem\gc10.i\GC10AA30B1.b\ABA4024.d
Target Version: 4.12
Processing Host: TARGET02

Concentration Formula: Amt * DF * (Vt/Vo)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00100	Final Volume (L)
Vo	1.000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)
M 1 TPH Peaks C9-C36				2073321	280.000	262
2 C-9	2.402	2.389	0.013	152809	20.0000	18.1
3 C-10	3.780	3.772	0.008	151721	20.0000	17.3
4 C-12	6.723	6.715	0.008	146346	20.0000	18.7
5 C-14	9.352	9.348	0.004	147326	20.0000	18.3
6 C-16	11.681	11.680	0.001	147446	20.0000	18.4
7 C-18	13.773	13.777	-0.004	148491	20.0000	18.8
$ 8 O-Terphenyl	14.183	14.170	0.013	64124	8.00000	7.56
9 C-19	14.746	14.750	-0.004	150972	20.0000	19.2
11 C-20	15.675	15.680	-0.005	153354	20.0000	19.6
12 C-22	17.415	17.424	-0.009	150228	20.0000	18.9
13 C-24	19.020	19.030	-0.010	150374	20.0000	19.9
14 C-26	20.505	20.517	-0.012	146902	20.0000	18.7
15 C-28	21.889	21.903	-0.014	149504	20.0000	19.2
16 C-30	23.180	23.196	-0.016	150672	20.0000	19.3
17 C-36	26.665	26.689	-0.024	127176	20.0000	17.9


Data File: \\Target_server\GC\chem\gc10,i\GC10BA30B1,b\ABA4025,d
Date : 31-JAN-2008 10:59
Client ID:
Sample Info: TPHB020D,M,GC10AA30B1,B,1,PHC 20UG/ML
Purge Volume: 1.0
Column phase: ZB-1
Instrument: gc10,i
Operator: KGT
Column diameter: 0.25
UVOLTS (x10^4)
-C-9
-C-10
-C-12
-C-14
-C-16
-C-18
-C-20
-C-22
-C-24
-C-26
-C-28
-C-30
-C-36
O-Terphenyl
Min
\\Target_server\GC\chem\gc10,i\GC10BA30B1,b\ABA4025,d

FORM 7B
SEMIVOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 426 NLON SDG No.: CTO426-1

Instrument ID: GC10 Calibration Date: 01/31/08 Time: 2139

Lab File ID: ABA4038 Init. Calib. Date(s): 09/26/07 09/26/07

Init. Calib. Times: 1746 2056

GC Column: ZB-1 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
TPH Peaks C9-C36	688.33000	700.00000	7207.2000	0.01	-1.67	20.00	LINR
C-9	48.906000	50.000000	7156.5000	0.01	-2.19	20.00	LINR
C-10	49.504000	50.000000	7398.2000	0.01	-0.99	20.00	LINR
C-12	49.930000	50.000000	7227.8000	0.01	-0.14	20.00	LINR
C-14	49.105000	50.000000	7221.7000	0.01	-1.79	20.00	LINR
C-16	48.593000	50.000000	7174.3000	0.01	-2.81	20.00	LINR
C-18	48.816000	50.000000	7209.8000	0.01	-2.37	20.00	LINR
C-19	49.763000	50.000000	7273.5000	0.01	-0.47	20.00	LINR
C-20	50.213000	50.000000	7320.6000	0.01	0.43	20.00	LINR
C-22	49.017000	50.000000	7271.9000	0.01	-1.97	20.00	LINR
C-24	50.727000	50.000000	7281.3000	0.01	1.45	20.00	LINR
C-26	47.623000	50.000000	7019.7000	0.01	-4.75	20.00	LINR
C-28	48.801000	50.000000	7141.6000	0.01	-2.40	20.00	LINR
C-30	49.292000	50.000000	7291.0000	0.01	-1.42	20.00	LINR
C-36	48.041000	50.000000	6913.2000	0.01	-3.92	20.00	LINR
O-Terphenyl	19.392000	20.000000	7748.4000	0.01	-3.04	20.00	LINR

FORM VII DRO

Data File: \\Target_server\GG\chem\gc10.i\GC10BA30B1.b\ABA4038.d
Report Date: 01-Feb-2008 13:20

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gc10.i\GC10BA30B1.b\ABA4038.d
Lab Smp Id: PHC 50UG/ML
Inj Date : 31-JAN-2008 21:39
Operator : KGT Inst ID: gc10.i
Smp Info : TPHB020D.M,GC10AA30B1.B,1,PHC 50UG/ML
Misc Info : PHC50
Comment :
Method : \\Target_server\GG\chem\gc10.i\GC10BA30B1.b\TPHB020D.m
Meth Date : 01-Feb-2008 09:27 ktanguay Quant Type: ESTD
Cal Date : 26-SEP-2007 20:56 Cal File: AAI4061A.d
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: cv.sub
Subtraction File: \\Target_server\GG\chem\gc10.i\GC10AA30B1.b\ABA4037.d
Target Version: 4.12
Processing Host: TARGET02

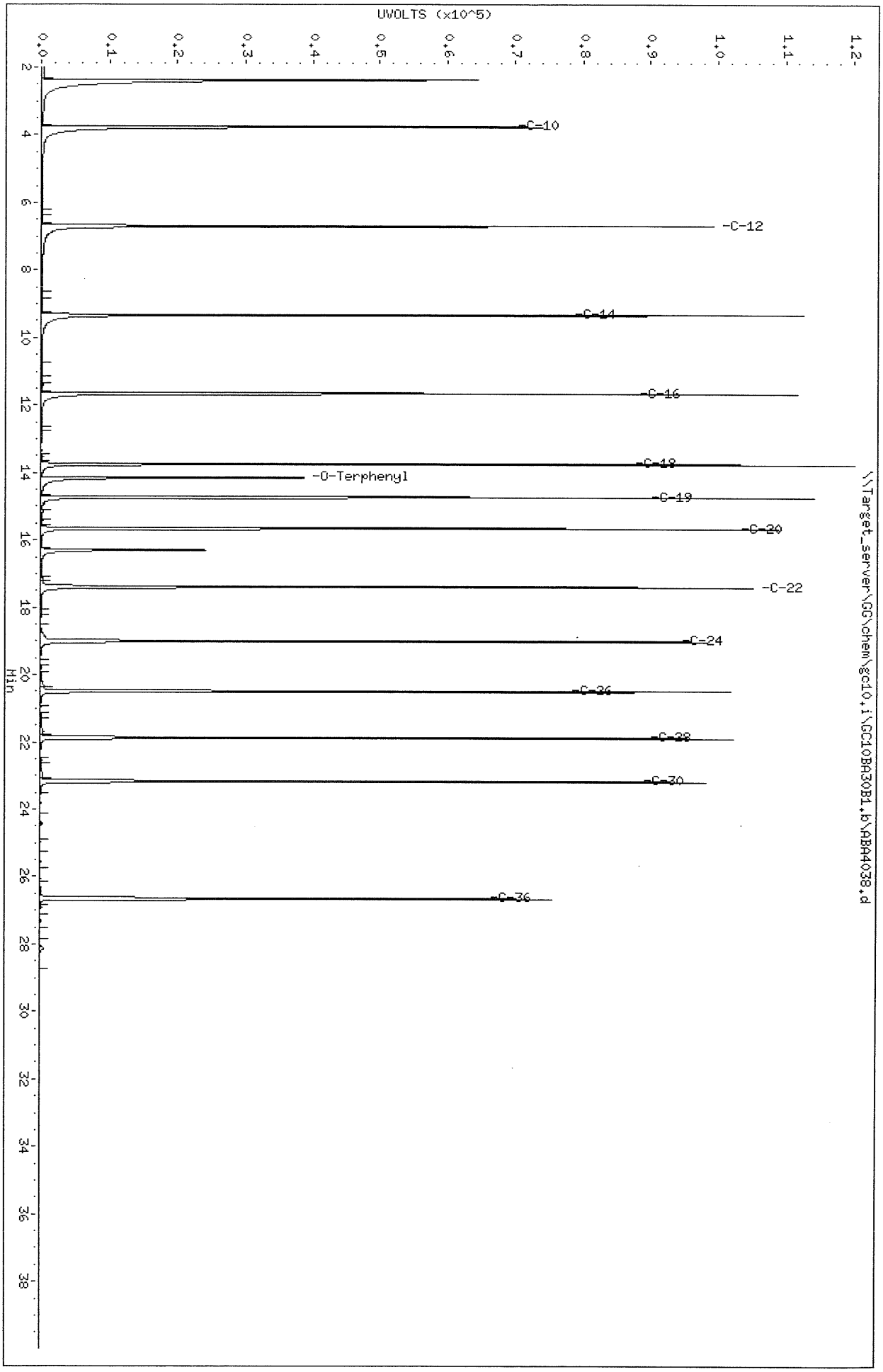
Concentration Formula: Amt * DF * (Vt/Vo)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00100	Final Volume (L)
Vo	1.000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)
M 1 TPH Peaks C9-C36				4984521	700.000	688
2 C-9	2.376	2.389	-0.013	364275	50.0000	48.9
3 C-10	3.755	3.772	-0.017	371792	50.0000	49.5
4 C-12	6.698	6.715	-0.017	359219	50.0000	49.9
5 C-14	9.332	9.348	-0.016	357300	50.0000	49.1
6 C-16	11.664	11.680	-0.016	354456	50.0000	48.6
7 C-18	13.758	13.777	-0.019	356351	50.0000	48.8
$ 8 O-Terphenyl	14.153	14.170	-0.017	152955	20.0000	19.4
9 C-19	14.731	14.750	-0.019	359747	50.0000	49.8
11 C-20	15.661	15.680	-0.019	362046	50.0000	50.2
12 C-22	17.401	17.424	-0.023	359158	50.0000	49.0
13 C-24	19.007	19.030	-0.023	359925	50.0000	50.7
14 C-26	20.492	20.517	-0.025	345952	50.0000	47.6
15 C-28	21.876	21.903	-0.027	352179	50.0000	48.8
16 C-30	23.169	23.196	-0.027	357384	50.0000	49.3
17 C-36	26.652	26.689	-0.037	324737	50.0000	48.0

Data File: \\Target_server\GC\chem\gc10,i\GC10BA30B1,b\ABA4038,d
Date : 31-JAN-2008 21:39
Client ID:
Sample Info: TPHB020D,M,GC10AA30B1,B,1,PHC 50UG/ML
Purge Volume: 1.0
Column phase: ZB-1

Instrument: gc10,i
Operator: KGT
Column diameter: 0.25



FORM 7B
SEMIVOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 426 NLON SDG No.: CTO426-1

Instrument ID: GC10 Calibration Date: 02/01/08 Time: 0842

Lab File ID: ABA4052 Init. Calib. Date(s): 09/26/07 09/26/07

Init. Calib. Times: 1746 2056

GC Column: ZB-1 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
TPH Peaks C9-C36	697.30000	700.00000	7207.2000	0.01	-0.38	20.00	LINR
C-9	47.968000	50.000000	7156.5000	0.01	-4.06	20.00	LINR
C-10	49.229000	50.000000	7398.2000	0.01	-1.54	20.00	LINR
C-12	50.248000	50.000000	7227.8000	0.01	0.50	20.00	LINR
C-14	49.659000	50.000000	7221.7000	0.01	-0.68	20.00	LINR
C-16	49.214000	50.000000	7174.3000	0.01	-1.57	20.00	LINR
C-18	49.415000	50.000000	7209.8000	0.01	-1.17	20.00	LINR
C-19	50.338000	50.000000	7273.5000	0.01	0.68	20.00	LINR
C-20	50.798000	50.000000	7320.6000	0.01	1.60	20.00	LINR
C-22	49.658000	50.000000	7271.9000	0.01	-0.68	20.00	LINR
C-24	51.336000	50.000000	7281.3000	0.01	2.67	20.00	LINR
C-26	48.354000	50.000000	7019.7000	0.01	-3.29	20.00	LINR
C-28	49.516000	50.000000	7141.6000	0.01	-0.97	20.00	LINR
C-30	50.331000	50.000000	7291.0000	0.01	0.66	20.00	LINR
C-36	51.236000	50.000000	6913.2000	0.01	2.47	20.00	LINR
O-Terphenyl	19.661000	20.000000	7748.4000	0.01	-1.70	20.00	LINR

FORM VII DRO

Data File: \\Target_server\GG\chem\gc10.i\GC10BA30B1.b\ABA4052.d
Report Date: 01-Feb-2008 13:21

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gc10.i\GC10BA30B1.b\ABA4052.d
Lab Smp Id: PHC 50UG/ML
Inj Date : 01-FEB-2008 08:42
Operator : KGT Inst ID: gc10.i
Smp Info : TPHB020D.M,GC10AA30B1.B,1,PHC 50UG/ML
Misc Info : PHC50
Comment :
Method : \\Target_server\GG\chem\gc10.i\GC10BA30B1.b\TPHB020D.m
Meth Date : 01-Feb-2008 09:27 ktanguay Quant Type: ESTD
Cal Date : 26-SEP-2007 20:56 Cal File: AAI4061A.d
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: cv.sub
Subtraction File: \\Target_server\GG\chem\gc10.i\GC10AA30B1.b\ABA4037.d
Target Version: 4.12
Processing Host: TARGET02

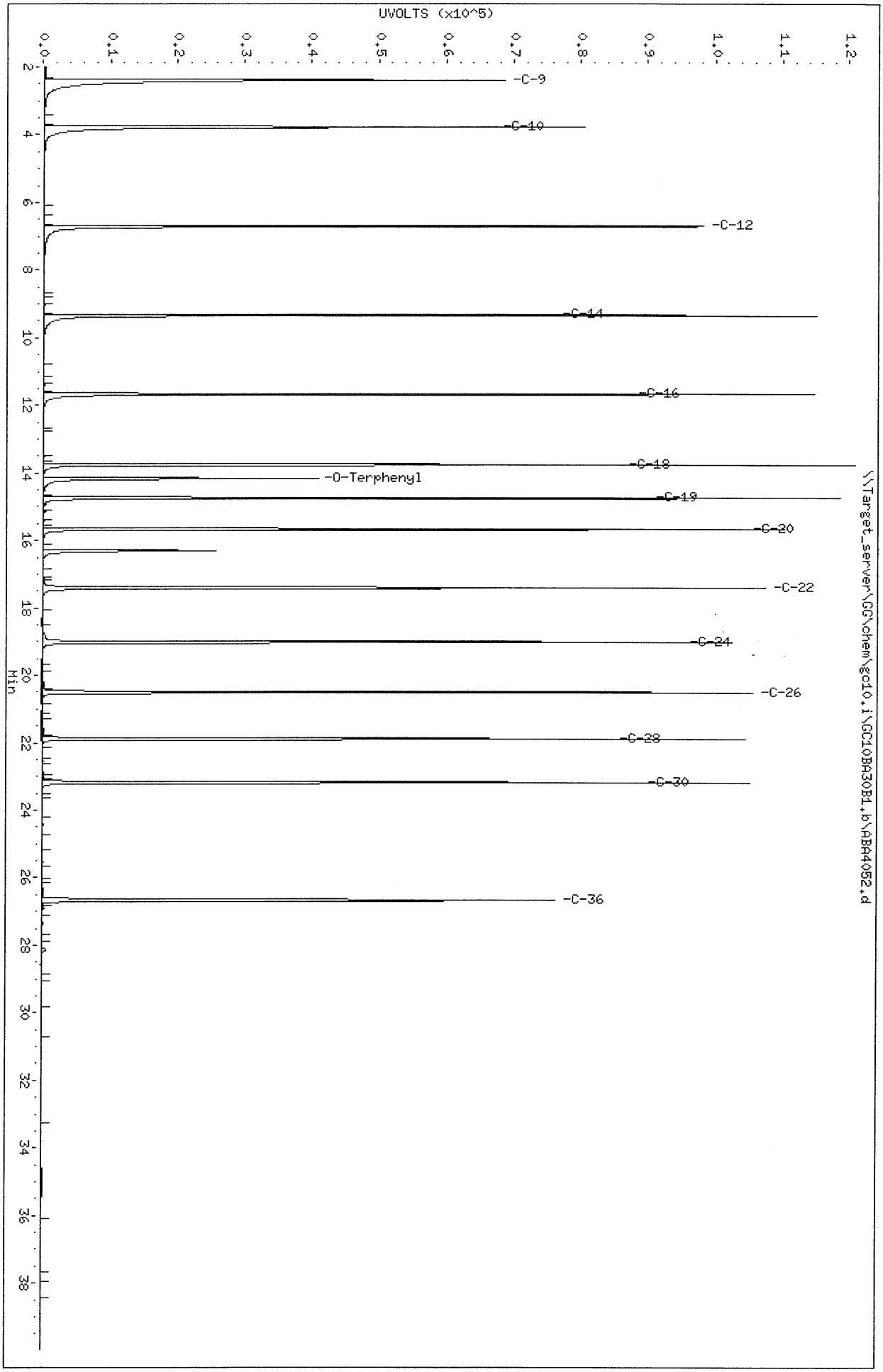
Concentration Formula: Amt * DF * (Vt/Vo)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00100	Final Volume (L)
Vo	1.000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)
M 1 TPH Peaks C9-C36				5045059	700.000	697
2 C-9	2.389	2.389	0.000	357827	50.0000	48.0
3 C-10	3.770	3.772	-0.002	369909	50.0000	49.2
4 C-12	6.713	6.715	-0.002	361389	50.0000	50.2
5 C-14	9.346	9.348	-0.002	361086	50.0000	49.6
6 C-16	11.678	11.680	-0.002	358714	50.0000	49.2
7 C-18	13.772	13.777	-0.005	360492	50.0000	49.4
$ 8 O-Terphenyl	14.166	14.170	-0.004	154968	20.0000	19.7
9 C-19	14.744	14.750	-0.006	363674	50.0000	50.3
11 C-20	15.674	15.680	-0.006	366032	50.0000	50.8
12 C-22	17.415	17.424	-0.009	363597	50.0000	49.6
13 C-24	19.021	19.030	-0.009	364063	50.0000	51.3
14 C-26	20.507	20.517	-0.010	350983	50.0000	48.4
15 C-28	21.891	21.903	-0.012	357081	50.0000	49.5
16 C-30	23.183	23.196	-0.013	364552	50.0000	50.3
17 C-36	26.671	26.689	-0.018	345660	50.0000	51.2

Data File: \\Target_server\GC\chem\gc10,i\GC10BA30B1,b\ABA4052,d
Date : 01-FEB-2008 08:42
Client ID:
Sample Info: TPHB020D,M,GC10BA30B1,B,1,PHC 50UG/ML
Purge Volume: 1.0
Column phase: ZB-1

Instrument: gc10,i
Operator: KGT
Column diameter: 0.25



Raw QC Data Section

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client:
Project: CTO 426 NLON
PO No:
Sample Date:
Received Date:
Extraction Date: 01/16/08
Analysis Date: 25-JAN-2008 04:00
Report Date: 02/01/2008
Matrix: WATER
% Solids: NA

Lab ID: WG47479-1
Client ID: WG47479-Blank
SDG: CTO426-1
Extracted by: KF
Extraction Method: SW846 3510
Analyst: KGT
Analysis Method: SW846 M8015B
Lab Prep Batch: WG47479
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
	TPH	U	75	1.0	75	75	45
	O-Terphenyl		87%				

Data File: \\Target_server\GG\chem\gc10.i\GC10BA24B1.b\ABA2197.d
Report Date: 01-Feb-2008 13:18

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gc10.i\GC10BA24B1.b\ABA2197.d
Lab Smp Id: WG47479-1 Client Smp ID: WG47479-Blank
Inj Date : 25-JAN-2008 04:00
Operator : KGT Inst ID: gc10.i
Smp Info : TPHB020C.M,GC10BA24B1.B,1,WG47479-1
Misc Info : SW846 M8015B
Comment :
Method : \\TARGET_SERVER\GG\chem\gc10.i\GC10BA24B1.B\TPHB020C.m
Meth Date : 25-Jan-2008 13:36 ktanguay Quant Type: ESTD
Cal Date : 26-SEP-2007 20:56 Cal File: AAI4061A.d
Als bottle: 1 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: SW8015M-TPH.sub
Subtraction File: \\Target_server\GG\chem\gc10.i\GC10BA24B1.b\ABA2192.d
Target Version: 4.12
Processing Host: TARGET02

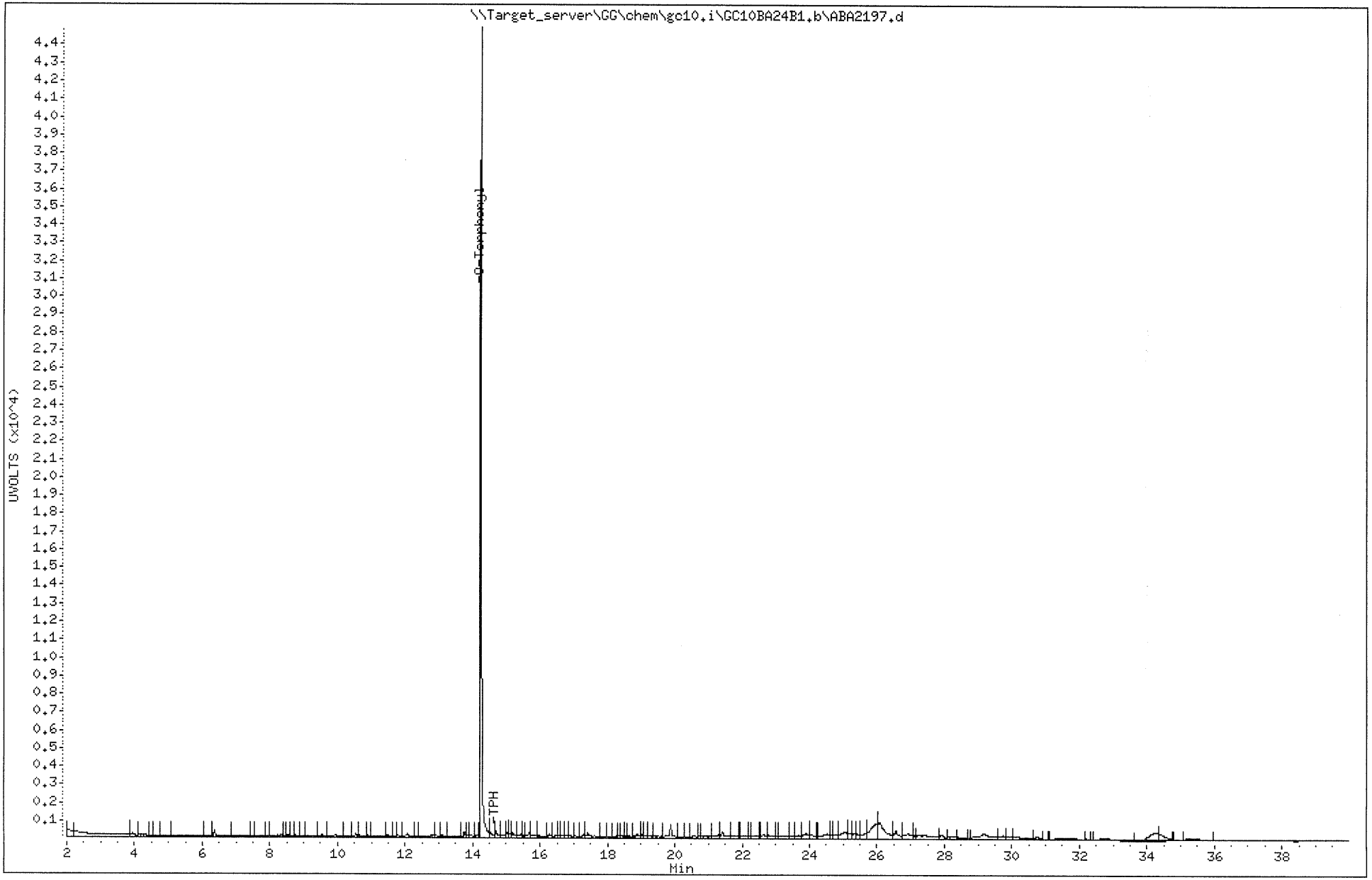
Concentration Formula: Amt * DF * (Vt/Vo)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00100	Final Volume (L)
Vo	1.000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/L)
$ 8 O-Terphenyl	14.239	14.289	-0.050	138567	17.4753	17.5

Data File: \\Target_server\GG\chem\gc10.i\GC10BA24B1.b\ABA2197.d
Date : 25-JAN-2008 04:00
Client ID: WG47479-Blank
Sample Info: TPHB020C.M,GC10BA24B1.B,1,WG47479-1
Purge Volume: 1.0
Column phase: ZB-1

Instrument: gc10.i
Operator: KGT
Column diameter: 0.25



Katahdin Analytical Services 2000117

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client:
Project: CTO 426 NLON
PO No:
Sample Date:
Received Date:
Extraction Date: 01/11/08
Analysis Date: 31-JAN-2008 22:26
Report Date: 02/01/2008
Matrix: WATER
% Solids: NA

Lab ID: WG47340-1
Client ID: WG47340-Blank
SDG: CTO426-1
Extracted by: KF
Extraction Method: SW846 3510
Analyst: KGT
Analysis Method: SW846 M8015B
Lab Prep Batch: WG47340
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
	TPH	U	75	1.0	75	75	45
	O-Terphenyl		76%				

Data File: \\Target_server\GG\chem\gc10.i\GC10BA30B1.b\ABA4039.d
Report Date: 01-Feb-2008 13:21

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gc10.i\GC10BA30B1.b\ABA4039.d
Lab Smp Id: WG47340-1 Client Smp ID: WG47340-Blank
Inj Date : 31-JAN-2008 22:26
Operator : KGT Inst ID: gc10.i
Smp Info : TPHB020D.M,GC10AA30B1.B,1,WG47340-1
Misc Info : SW846 M8015B
Comment :
Method : \\Target_server\GG\chem\gc10.i\GC10BA30B1.b\TPHB020D.m
Meth Date : 01-Feb-2008 09:27 ktanguay Quant Type: ESTD
Cal Date : 26-SEP-2007 20:56 Cal File: AAI4061A.d
Als bottle: 1 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: SW8015M-TPH.sub
Subtraction File: \\Target_server\GG\chem\gc10.i\GC10AA30B1.b\ABA4037.d
Target Version: 4.12
Processing Host: TARGET02

Concentration Formula: Amt * DF * (Vt/Vo)*1000 * CpndVariable

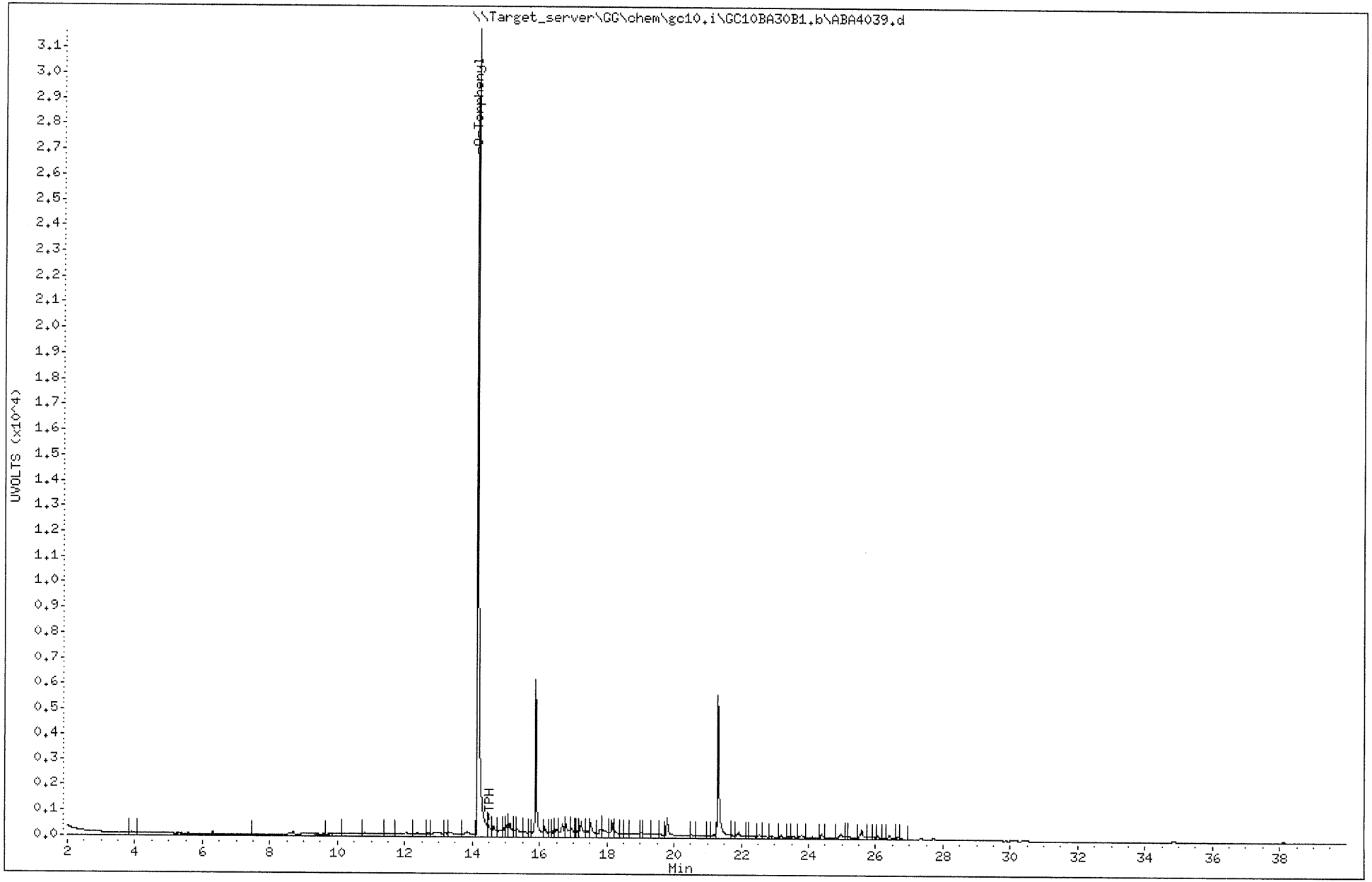
Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00100	Final Volume (L)
Vo	1.000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/L)
$ 8 O-Terphenyl	14.157	14.170	-0.013	122070	15.2771	15.3

Data File: \\Target_server\GG\chem\gc10.i\GC10BA30B1.b\ABA4039.d
Date : 31-JAN-2008 22:26
Client ID: WG47340-Blank
Sample Info: TPHB020D.M,GC10AA30B1.B,1,WG47340-1
Purge Volume: 1.0
Column phase: ZB-1

Instrument: gc10.i

Operator: KGT
Column diameter: 0.25



Katahdin Analytical Services 2000120

KATAHDIN ANALYTICAL SERVICES
LAB CONTROL SAMPLE

Client:
Project: CTO 426 NLON
PO No:
Sample Date:
Received Date:
Extraction Date: 01/16/08
Analysis Date: 01/25/08
Report Date: 02/01/2008
Matrix: WATER

Lab ID: WG47479-2 & WG47479-3
Client ID: WG47479-LCS & WG47479-LCSD
SDG: CTO426-1
Extracted by: KF
Extraction Method: SW846 3510
Analyst: KGT
Analysis Method: SW846 M8015B
Lab Prep Batch: WG47479
Units: ug/L

COMPOUND	LCS SPIKE	LCSD SPIKE	SAMPLE CONC.	LCS CONC.	LCSD CONC.	LCS %REC.	LCSD %REC.	%RPD	%RPD LIMIT	QC. LIMITS
TPH	500	500	NA	412	348	82	70	17	20	33-135

FORM III DRO-1

ABA2198.d & ABA2199.d

Data File: \\Target_server\GG\chem\gc10.i\GC10BA24B1.b\ABA2198.d
Report Date: 01-Feb-2008 13:18

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gc10.i\GC10BA24B1.b\ABA2198.d
Lab Smp Id: WG47479-2 Client Smp ID: WG47479-LCS
Inj Date : 25-JAN-2008 04:47
Operator : KGT Inst ID: gc10.i
Smp Info : TPHB020C.M,GC10BA24B1.B,1,WG47479-2
Misc Info : SW846 M8015B
Comment :
Method : \\TARGET_SERVER\GG\chem\gc10.i\GC10BA24B1.B\TPHB020C.m
Meth Date : 25-Jan-2008 13:36 ktanguay Quant Type: ESTD
Cal Date : 26-SEP-2007 20:56 Cal File: AAI4061A.d
Als bottle: 1 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: SW8015M-TPH.sub
Subtraction File: \\Target_server\GG\chem\gc10.i\GC10BA24B1.b\ABA2192.d
Target Version: 4.12
Processing Host: TARGET02

Concentration Formula: Amt * DF * (Vt/Vo)*1000 * CpndVariable

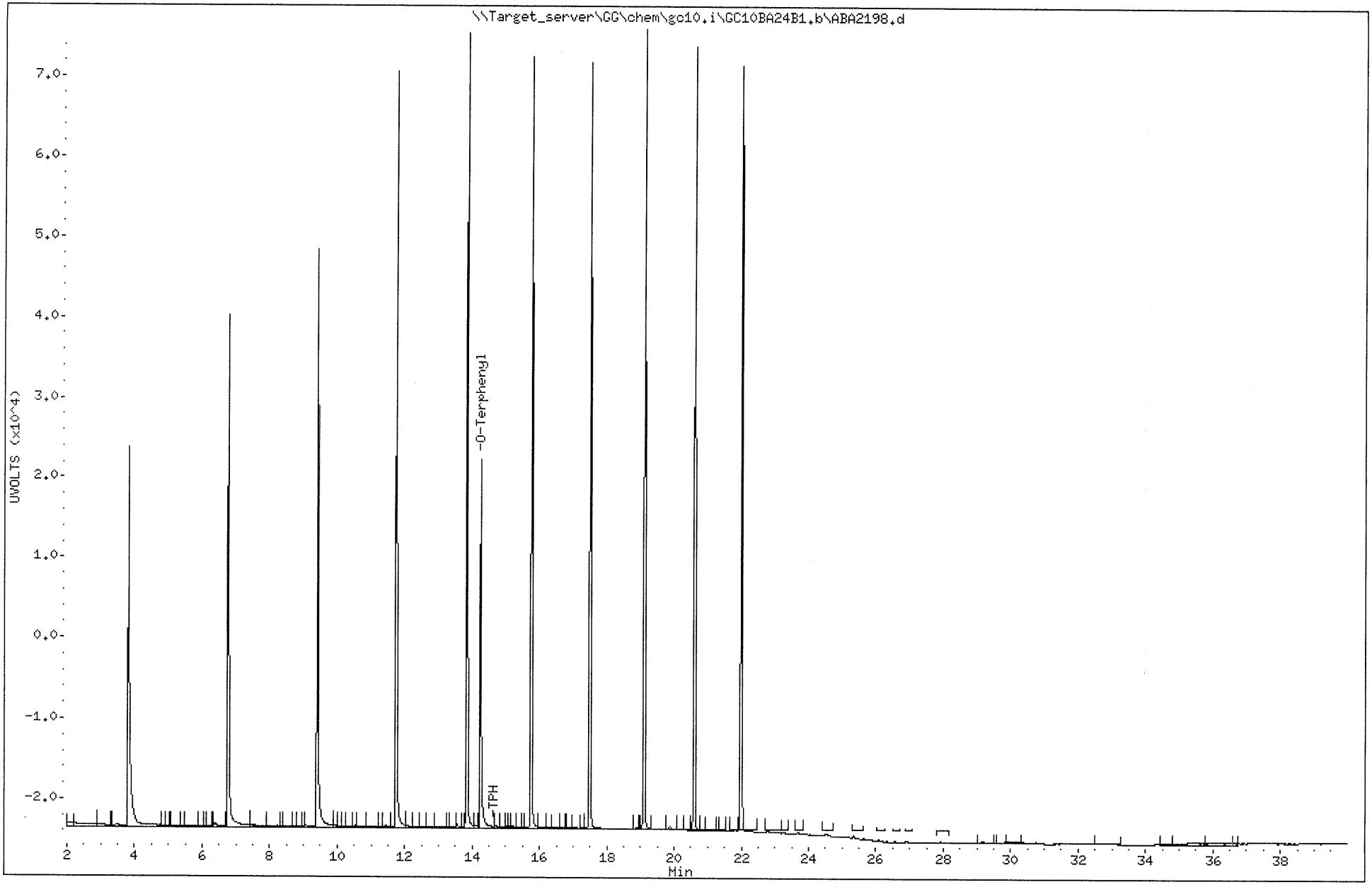
Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00100	Final Volume (L)
Vo	1.000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/L)
S 10 TPH	2.384	-26.955		3094758	411.793	412
$ 8 O-Terphenyl	14.241	14.289	-0.048	149001	18.8656	18.9

Data File: \\Target_server\GC\chem\gc10.i\GC10BA24B1.b\ABA2198.d
Date : 25-JAN-2008 04:47
Client ID: WG47479-LCS
Sample Info: TPHB020C.M,GC10BA24B1.B,1,WG47479-2
Purge Volume: 1.0
Column phase: ZB-1

Instrument: gc10.i

Operator: KGT
Column diameter: 0.25



Katahdin Analytical Services 2000123

Data File: \\Target_server\GG\chem\gc10.i\GC10BA24B1.b\ABA2199.d
Report Date: 01-Feb-2008 13:18

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gc10.i\GC10BA24B1.b\ABA2199.d
Lab Smp Id: WG47479-3 Client Smp ID: WG47479-LCSD
Inj Date : 25-JAN-2008 05:35
Operator : KGT Inst ID: gc10.i
Smp Info : TPHB020C.M,GC10BA24B1.B,1,WG47479-3
Misc Info : SW846 M8015B
Comment :
Method : \\TARGET_SERVER\GG\chem\gc10.i\GC10BA24B1.B\TPHB020C.m
Meth Date : 25-Jan-2008 13:36 ktanguay Quant Type: ESTD
Cal Date : 26-SEP-2007 20:56 Cal File: AAI4061A.d
Als bottle: 1 QC Sample: LCSD
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: SW8015M-TPH.sub
Subtraction File: \\Target_server\GG\chem\gc10.i\GC10BA24B1.b\ABA2192.d
Target Version: 4.12
Processing Host: TARGET02

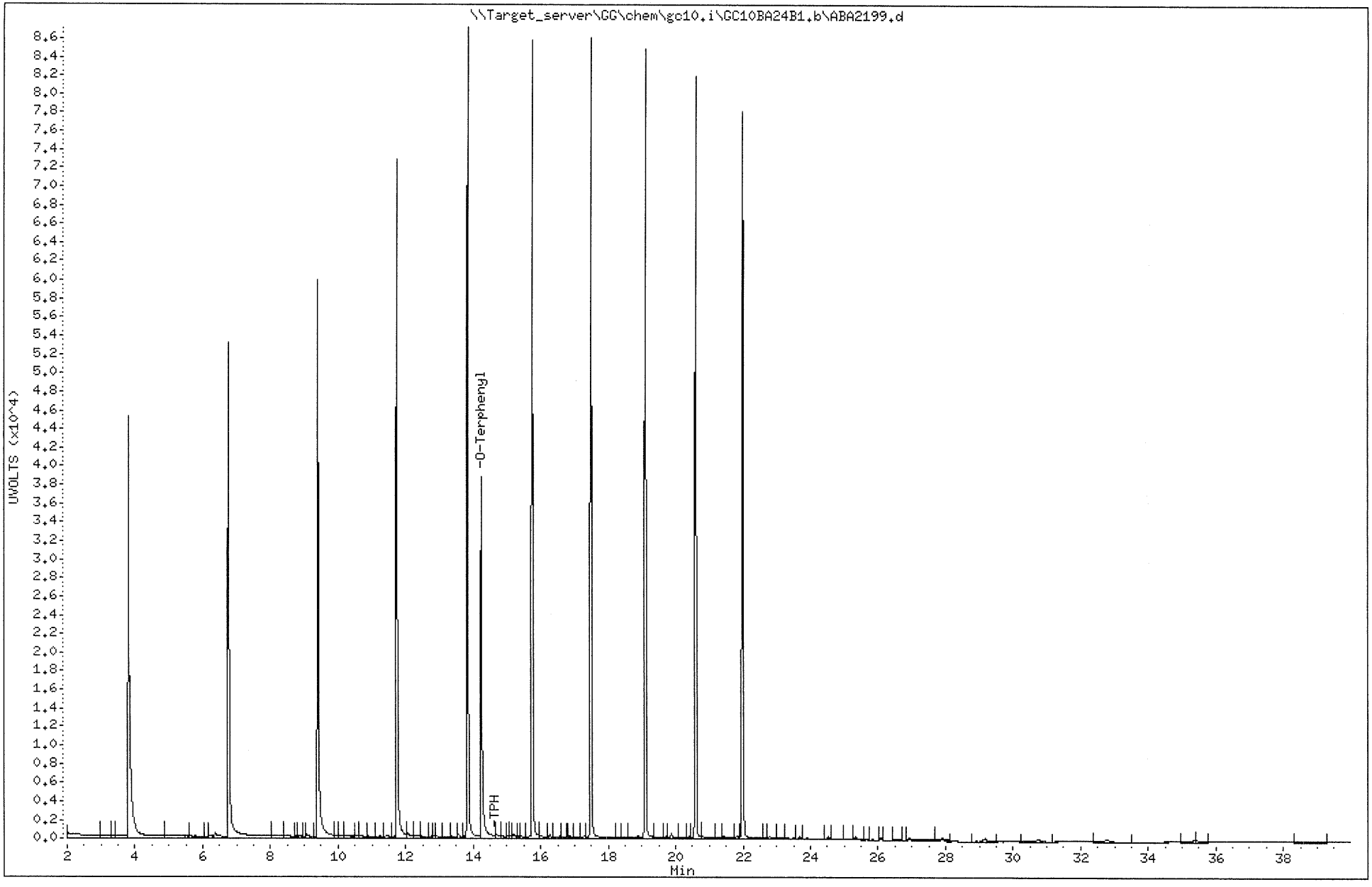
Concentration Formula: Amt * DF * (Vt/Vo)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00100	Final Volume (L)
Vo	1.000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/L)
S 10 TPH	2.384	-26.955		2658345	347.938	348
$ 8 O-Terphenyl	14.240	14.289	-0.049	130413	16.3888	16.4

Data File: \\Target_server\GG\chem\gc10.i\GC10BA24B1.b\ABA2199.d
Date : 25-JAN-2008 05:35
Client ID: WG47479-LCSD
Sample Info: TPHB020C.M,GC10BA24B1.B,1,WG47479-3
Purge Volume: 1.0
Column phase: ZB-1

Instrument: gc10.i
Operator: KGT
Column diameter: 0.25



Katahdin Analytical Services 2000125

KATAHDIN ANALYTICAL SERVICES
LAB CONTROL SAMPLE

Client:
Project: CTO 426 NLON
PO No:
Sample Date:
Received Date:
Extraction Date: 01/11/08
Analysis Date: 01/31/08
Report Date: 02/01/2008
Matrix: WATER

Lab ID: WG47340-2
Client ID: WG47340-LCS
SDG: CTO426-1
Extracted by: KF
Extraction Method: SW846 3510
Analyst: KGT
Analysis Method: SW846 M8015B
Lab Prep Batch: WG47340
Units: ug/L

COMPOUND	LCS SPIKE	SAMPLE CONC.	LCS CONC.	%REC.	QC. LIMITS
TPH	500	NA	348	70	33-135

Data File: \\Target_server\GG\chem\gc10.i\GC10BA30B1.b\ABA4040.d
Report Date: 01-Feb-2008 13:21

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gc10.i\GC10BA30B1.b\ABA4040.d
Lab Smp Id: WG47340-2 Client Smp ID: WG47340-LCS
Inj Date : 31-JAN-2008 23:14
Operator : KGT Inst ID: gc10.i
Smp Info : TPHB020D.M,GC10AA30B1.B,1,WG47340-2
Misc Info : SW846 M8015B
Comment :
Method : \\Target_server\GG\chem\gc10.i\GC10BA30B1.b\TPHB020D.m
Meth Date : 01-Feb-2008 09:27 ktanguay Quant Type: ESTD
Cal Date : 26-SEP-2007 20:56 Cal File: AAI4061A.d
Als bottle: 1 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: SW8015M-TPH.sub
Subtraction File: \\Target_server\GG\chem\gc10.i\GC10AA30B1.b\ABA4037.d
Target Version: 4.12
Processing Host: TARGET02

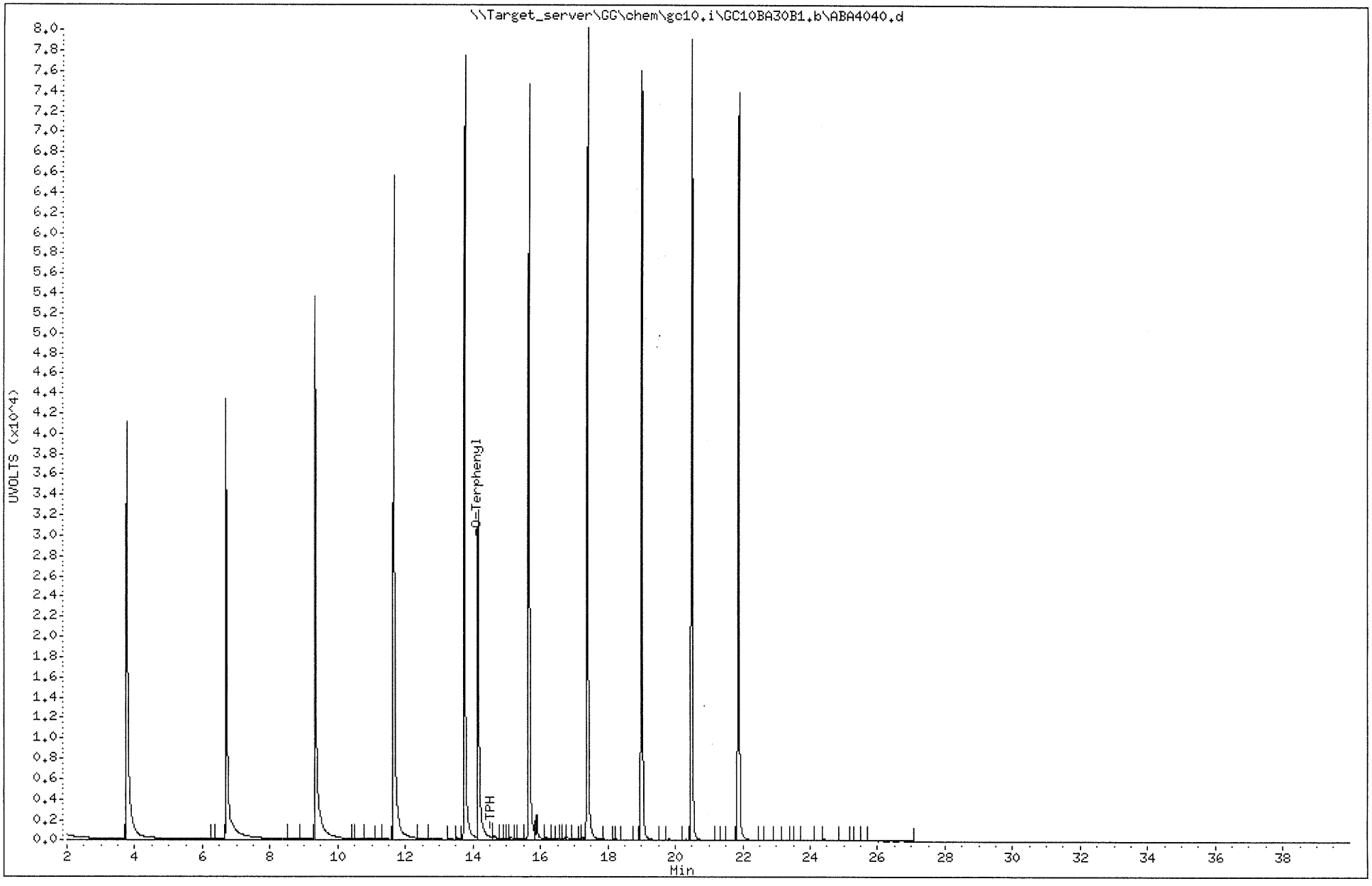
Concentration Formula: Amt * DF * (Vt/Vo)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00100	Final Volume (L)
Vo	1.000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/L)
S 10 TPH	2.290	-26.789		2656327	347.643	348
$ 8 O-Terphenyl	14.156	14.170	-0.014	133265	16.7688	16.8

Data File: \\Target_server\GC\chem\gc10.i\GC10BA30B1.b\ABA4040.d
Date : 31-JAN-2008 23:14
Client ID: WG47340-LCS
Sample Info: TPHB020D.M,GC10AA30B1.B,1,WG47340-2
Purge Volume: 1.0
Column phase: ZB-1

Instrument: gc10.i
Operator: KGT
Column diameter: 0.25



Katahdin Analytical Services 2000128

KATAHDIN ANALYTICAL SERVICES
MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 01/08/08
Received Date: 01/10/08
Extraction Date: 01/11/08
Analysis Date: 02/01/08
Report Date: 02/01/2008
Matrix: WATER

Lab ID: WG47340-3 & WG47340-4
Client ID: WD-GW-MW103-2008MS & WD-GW-MW103-2008MSD
SDG: CTO426-1
Extracted by: KF
Extraction Method: SW846 3510
Analyst: KGT
Analysis Method: SW846 M8015B
Lab Prep Batch: WG47340
Units: ug/L

COMPOUND	MS SPIKE	MSD SPIKE	SAMPLE CONC.	MS CONC.	MSD CONC.	MS %REC.	MSD %REC.	%RPD	%RPD LIMIT	QC. LIMITS
TPH	490	481	142	433	382	59	50	12	20	33-135

FORM III DRO-1

ABA4041.d & ABA4042.d

Data File: \\Target_server\GG\chem\gc10.i\GC10BA30B1.b\ABA4041.d
Report Date: 01-Feb-2008 13:36

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gc10.i\GC10BA30B1.b\ABA4041.d
Lab Smp Id: WG47340-3 Client Smp ID: WD-GW-MW103-2008MS
Inj Date : 01-FEB-2008 00:01
Operator : KGT Inst ID: gc10.i
Smp Info : TPHB020D.M,GC10AA30B1.B,1,WG47340-3
Misc Info : SW846 M8015B
Comment :
Method : \\Target_server\GG\chem\gc10.i\GC10BA30B1.b\tphb020D.m
Meth Date : 01-Feb-2008 13:21 jprescott Quant Type: ESTD
Cal Date : 26-SEP-2007 20:56 Cal File: AAI4061A.d
Als bottle: 1 QC Sample: MS
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: SW8015M-TPH.sub
Subtraction File: \\Target_server\GG\chem\gc10.i\GC10AA30B1.b\ABA4037.d
Target Version: 4.12

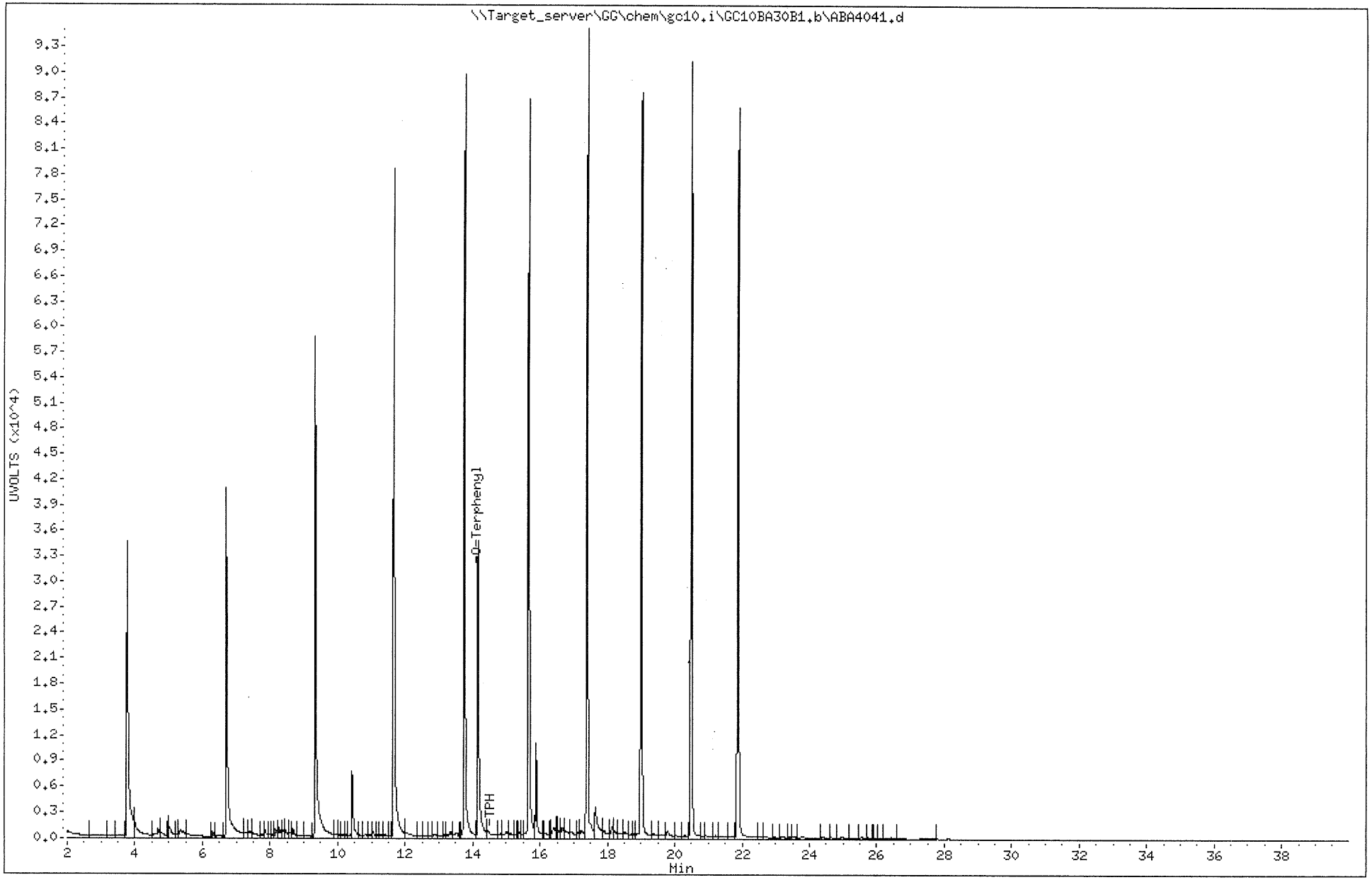
Concentration Formula: Amt * DF * (Vt/Vo)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00100	Final Volume (L)
Vo	1.020	Sample Volume (L)
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/L)
S 10 TPH	2.290	26.789		3296702	441.341	433
$ 8 O-Terphenyl	14.156	14.170	-0.014	134223	16.8965	16.6

Data File: \\Target_server\GC\chem\gc10.i\GC10BA30B1.b\ABA4041.d
Date : 01-FEB-2008 00:01
Client ID: WD-GW-MW103-2008MS
Sample Info: TPHB020D.M,GC10AA30B1.B,1,WG47340-3
Purge Volume: 1.0
Column phase: ZB-1

Instrument: gc10.i
Operator: KGT
Column diameter: 0.25



Katahdin Analytical Services 2000131

Data File: \\Target_server\GG\chem\gc10.i\GC10BA30B1.b\ABA4042.d
Report Date: 01-Feb-2008 13:36

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gc10.i\GC10BA30B1.b\ABA4042.d
Lab Smp Id: WG47340-4 Client Smp ID: WD-GW-MW103-2008MSD
Inj Date : 01-FEB-2008 00:49
Operator : KGT Inst ID: gc10.i
Smp Info : TPHB020D.M,GC10AA30B1.B,1,WG47340-4
Misc Info : SW846 M8015B
Comment :
Method : \\Target_server\GG\chem\gc10.i\GC10BA30B1.b\tphb020D.m
Meth Date : 01-Feb-2008 13:21 jprescott Quant Type: ESTD
Cal Date : 26-SEP-2007 20:56 Cal File: AAI4061A.d
Als bottle: 1 QC Sample: MSD
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: SW8015M-TPH.sub
Subtraction File: \\Target_server\GG\chem\gc10.i\GC10AA30B1.b\ABA4037.d
Target Version: 4.12

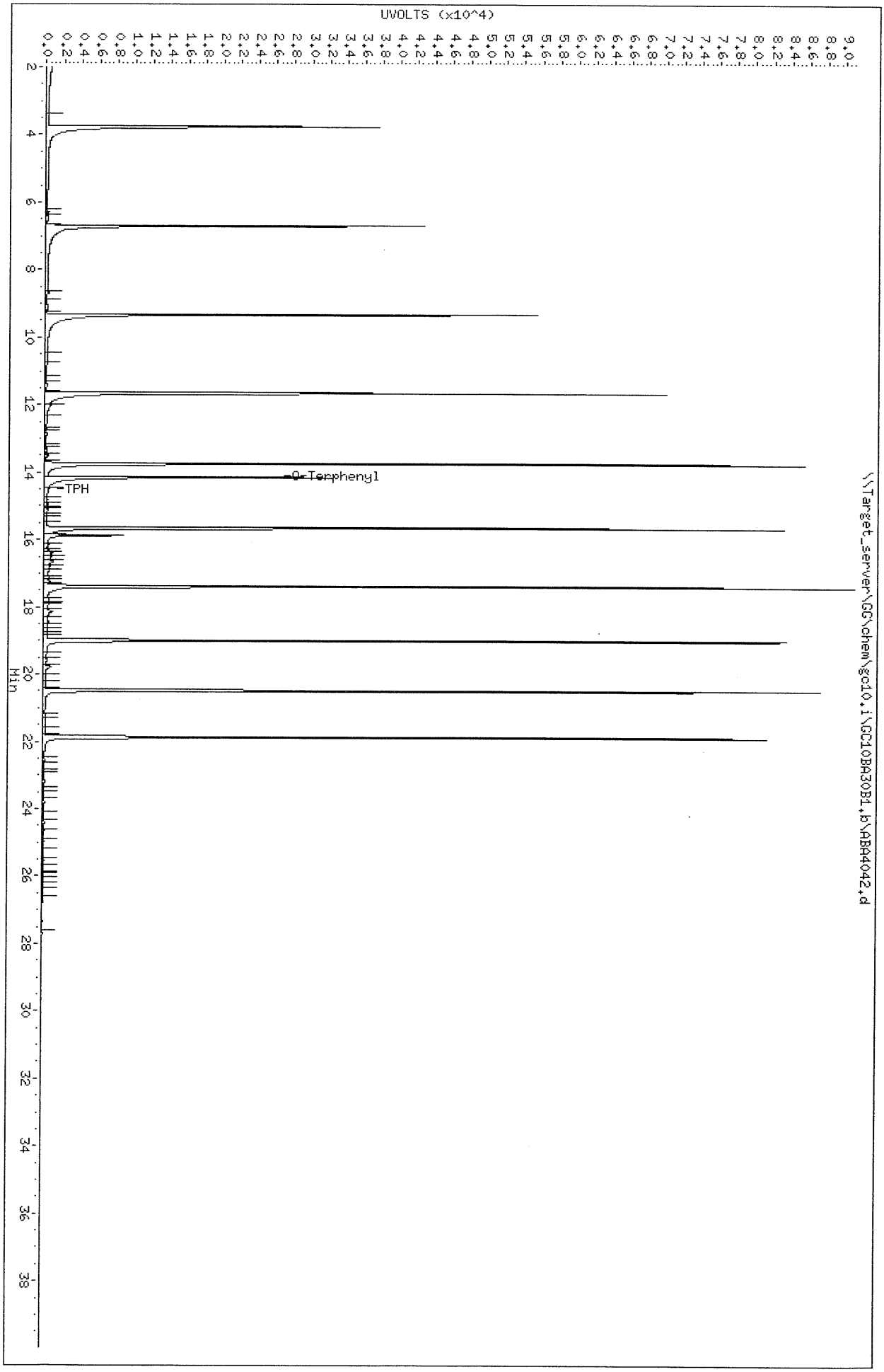
Concentration Formula: Amt * DF * (Vt/Vo)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00100	Final Volume (L)
Vo	1.040	Sample Volume (L)
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/L)
S 10 TPH	2.290	26.789		2999618	397.872	382
$ 8 O-Terphenyl	14.157	14.170	-0.013	125676	15.7576	15.2

Data File: \\Target_server\GC\chem\gc10.i\GC10BA30B1.b\ABA4042.d
Date : 01-FEB-2008 00:49
Client ID: WD-GW-MW103-2008MSD
Sample Info: TPHB020D.M,GC10AA30B1.B.1,WG47340-4
Purge Volume: 1.0
Column phase: ZB-1

Instrument: gc10.i
Operator: KGT
Column diameter: 0.25



Logbooks and Supporting Documents

KATAHDIN ANALYTICAL SERVICES, INC. - GC LABORATORY RUN LOG

Instrument GC010 | **Methods** – Circle Applicable Methods

Amount Injected: 1ml | **DRO/TPH – 8015Mod. / MDEP 4.1.25 / 8100Mod**

Date	Init	Result File	Sample #	Accept Y/N	Method	Column	Comments
							ALIMA
092607	KGS	AA14054	thermal blank	Y	DRO8020A	297	A file = ~~H1685~~ 1684 20A
		4055	PHC 50µg/ml	N			H1685 KGS
		56	PHC 5µg/ml	N			recal
		57	PHC 20µg/ml	Y	DRO8020A ~~DRO8021~~		H1684
		58	PHC 100µg/ml	Y			
		59	PHC 50µg/ml	Y			H1685
		60	PHC 20µg/ml	Y			H1662
		61	PHC 5µg/ml	Y			H1686
		62	IND. 50µg/ml	Y			
092707	KGS	63	PHC 5µg/ml	N			H1685
		64	Thermal blank	N			
		65		Y			
		66	PHC 50µg/ml	Y			H1685
		67	JA57886-1DL	Y			IND 50/500
		68	WG43543-1	Y			
		69	-2	Y			
		70	-3	Y			
		71	SA5254-1RA	Y			
		72	-2RA	Y			
		73	-3RA	Y			Narrator
		74	SA57886-2DL	Y			IND 50/500
		75	-12DL	N			~~1:50 @ 1:20~~ ~~HCS~~ 1:10 20
		76	WG43594-1 3510	Y			
		77	-2	Y			
092807		78	-3	Y			
		79	-4	Y			
		80	-5	Y			
		81	-6	Y			

REVIEWED BY _____ ON _____

KATAHDIN ANALYTICAL SERVICES, INC. - GC LABORATORY RUN LOG

Instrument GC010

Methods – Circle Applicable Methods

Amount Injected: 1µl

DRO/TPH – 8015Mod. / MDEP 4.1.25 / 8100Mod.

Date	Init	Result File	Sample #	Accept Y/N	Method	Column	Comments	
8/12/08	KCr	ABA2166	Mech	Y	JBHR020C	279		
		167	Thermal Bleed	Y				
		168	PHC 50µg/ml	N			H1729	
		169	SB0194-5	N				
		170	-6					
		171	-7					
		172	-8 DL				1:5	100/500
		173	-9					
		174	-10					
		175	-11					
		176	-12					
		177	-13					
8/12/08	KCr	178	Thermal Bleed	N				
		179		Y				
		180	PHC 50µg/ml	Y			H1729	
		181	SB0194-5 3550	Y				
		182	-6	Y				
		183	~~-7~~ -2DL	N			1:200	50/500 50/1000
		184	-2 DL	Y			1:50	20/1000
		185	-13	Y				
		186	-14RA	Y			1:10	50/500
		187	-7DL	Y			1:2	100/200
		188	-8DL	Y			1:25	20/500
		189	-9DL	Y			1:2	100/200
		190	-10DL	Y			1:500	50/500 20/1000
		191	Mech	Y				
8/12/08		192	Thermal Bleed	Y				
		193	PHC 50µg/ml	Y			H1729	

REVIEWED BY _____ ON _____

KATAHDIN ANALYTICAL SERVICES, INC. - GC LABORATORY RUN LOG

Instrument GC010

Methods – Circle Applicable Methods

Amount Injected: 1ul

DRO/TPH – 8015Mod. / MDEP 4.1.25 / 8100Mod.

Date	Init	Result File	Sample #	Accept Y/N	Method	Column	Comments
012508	KGS	ABA2194	SB0194-10 DL 3550	N	TPHB020C KGS	279	1:1000
		195	-11DL	Y			1:5 100/500
		196	-12DL	Y			1:2 100/200
		197	WG47479-1 3590	Y			
		198	-2	Y			
		199	-3	Y			
		200	SB0194-15	Y			
		201	-16DL	Y			1:10 50/500
		202	-17	Y			
		203	-18DL	N			1:5 rerun straight 100/500
		204	Mech	Y			
		205	thermal blk	Y			~~no sample~~
		206	PHC 20ug/ml	N			~~C36~~ H7207
		207	PHC 20ug/ml ~~SB0194-21DL~~	N			H7207 ~~rerun straight 100/500~~ C36
		208	-21DL ~~-19DL~~ KGS	N			1:50 rerun 20/1000 100/100
		209	-19DL	N			rerun 1:100 1:50 20/1000
		210	-20DL	N			1:100 rerun 1:500
012508	KGS	211	Thermal bleed	N	TPHB020C		
		212		N			
		213		N			
		214		Y			
		215	PHC 50ug/ml	Y			H7229 D liner
		216	FO #2	N			H7718 chipped col
		217	WG47616-1	Y			
		218	-2	Y			
		219	-3	Y			
012608		220	SB0227-1	N			rerun 1:5
		221	-2	Y			

REVIEWED BY _____ ON _____

KATAHDIN ANALYTICAL SERVICES, INC. - GC LABORATORY RUN LOG

Instrument GC010

Methods – Circle Applicable Methods

Amount Injected: 1 µl

DRO/TPH – 8015Mod. / MDEP 4.1.25 / 8100Mod.

Date	Init	Result File	Sample #	Accept Y/N	Method	Column	Comments
012708	KG	ABA2278	SB0274-3 3510	Y	DRO8020BH	279	
		279	-4	Y			
		280	-5	Y			
012808	KG	281	-6	Y			
		282	-7	Y			
		283	SB0199-9DL	Y	TPH8020		1:2 100/200
		284	mecl2	Y	DRO8020H		
		285	Thermal bleed	Y			
		286	PHC 50ug/ml	Y			H1729
		287	SB0349-4 3510	Y			
		288	-2	Y			
		289	-3	Y			
		290	-4	Y			
		291	-5	Y			
		292	-6	Y			
		293	-7	Y			
		294	-8	Y			
		295	-9	Y			
		296	Mecl2	Y			
		297	FO #2	Y			
		298	Thermal bleed	Y			
		299	PHC 20ug/ml	N			H1707
		ABA4001	Thermal bleed	N	TPH8020		
		02		Y			
		03	PHC 50ug/ml	Y			H1729
		04	SB0196-1DL2	N			1:20 50/1000
		05	-1DL	Y			1:5 8 100/1500
		06	-2DL2	N			1:20 50/1000

REVIEWED BY _____ ON _____

KATAHDIN ANALYTICAL SERVICES, INC. - GC LABORATORY RUN LOG

Instrument GC010

Methods – Circle Applicable Methods

Amount Injected: 2 µl

DRO/TPH – 8015Mod. / MDEP 4.1.25 / 8100Mod.

Date	Init	Result File	Sample #	Accept Y/N	Method	Column	Comments
013008	RCT	ABA9007	SB0156-2DL	N	TPHB020D	279	1:5 screen straight
		08	-3	Y			
		09	-4DL2	N			1:20
		10	-4DL	N			1:5
		11	-5	Y			
013108		12	-6	Y			
		13	mech	N			
		14	Thermal blank	N			
		15	PHC 50 µg/ml	Y			H1729
		16	SB0230-1DL	N			1:5 100/500
		17	-1	Y			
		18	-2	Y			
		19	-3DL2	N			1:20 50/1000
		20	-3DL	Y			1:5 100 50/500
		21	-5	Y			
		22	mech	N			
		23	FO #2	N			
		24	Thermal blank	N			~~bad~~ NO sample.
		25	PHC 20 µg/ml	Y			H1707
		26	SB0168-1 3510	Y			
		27	-2	Y			
		28	-3	Y			
		29	-4	Y			
		30	-5	Y			
		31	-7	Y			
		32	-8	Y			
		33	-9	Y			
		34	-10	Y			

REVIEWED BY _____ ON _____

KATAHDIN ANALYTICAL SERVICES, INC. - GC LABORATORY RUN LOG

Instrument GC010 **Methods** – Circle Applicable Methods

Amount Injected: 1 µl **DRO/TPH** – 8015Mod. / MDEP 4.1.25 / 8100Mod.

Date	Init	Result File	Sample #	Accept Y/N	Method	Column	Comments
013108	KGS	A84035	SB0168-11 35	Y	~~DRO~~ TPH8020D	279	
		36	~~Mech~~ -12	Y			
		37	Thermal Bleed	Y			
		38	PHC 50ug/ml	Y			H1729
		39	WG473~~46~~-1 35	Y			
		40	-2	Y			
010108		41	-3	Y			
		42	-4	Y			
		43	SB0196-2	Y			
		44	-4	Y			
		45	WG976621		DRO8020H		
		46	-2				
		47	SB02441				
		48	~~KAT~~ -3				
		49	Mech				
		50	~~Thermal Bleed~~ TB				
		51	~~PHC 50ug/ml~~ TB	Y			TPH8020D ~~H1729~~ KG
		52	~~SB0~~ KG ~~PHC~~ PHC 50	Y			H1729

REVIEWED BY _____ ON _____

CT ETPH
SEP

Katahdin Analytical Services, Inc.
Organic Extraction Log

Analysis: Fuel Oils

Method: SW846 8015M MEDEP 4.1.25 MADEP EPH FLOPRO (CT ETPH)

Matrix: Aqueous

Extraction: SW846 3520 (SW846 3510)

Surrogate Spike ID: ~~GC0469~~ GC0485 (KF 1/16)

LCS/MS Spike ID: GC0480

KD Filter Paper Lot ID: ~~H1123471~~ G1913225 (KF 1/24)

Acid Lot ID: N/A

Mecl2 Lot ID: E49E45

Nitrog. Bath Temp: 32°C

Sample pHs checked prior to extraction: (Y) N

(unpreserved samples should be noted on comments.)

Blanks & LCSs adjusted to pH 2 w/ 1:1 HCl: Y / [N]

Date Extracted	Ext. Init.	Sample ID	Initial Volume mL	Surr. Volume mL	Spike Volume mL	Final Volume mL	Date Conc.	Tray Location	Conc. Init.	Comments
1/6/08	KF	WG474791	1000	1mL	NR	1mL	1/23/08	PO440 D1	SSC	R75523
↓	↓	-2	↓	↓	1mL	↓	↓	D2	↓	
↓	↓	-3	↓	↓	↓	↓	↓	D3	↓	
							KF	1/24/08		

< ETPH SEP

Date Extracted	Ext. Init.	Sample ID	Initial Volume mL	Surr. Volume mL	Spike Volume mL	Final Volume mL	Date Conc.	Tray Location	Conc. Init.	Comments
1/16/08	KF	SB0194-15C	1060	1mL	NR	1mL	1/23/08	F0440 D4	SJC	
		-16C	1010					D5		
		-17G	1020					D6		
		-18H	1060					D7		
		-19D	1030			10mL		PP756 D4		emulsion-centrifuged
		-20A	1060					D5		
		-21A	1050			1mL	1/24/08	F0440 D8	SJC KF	
		SB0196-1D	1060			1mL	1/24/08	D9	KF	
		-2D	970					D10		
		-3D	1000					E1		
		-4D	1050					E2		
		-5D	1060					E3		
		-6D	1020					E4		
		SB0227-5E	1060					E5		
		-16G	1060					E6		emulsion
		-20C	1050					E7		
		SB0230-1A	970					E8		emulsion
		-2A	980					E9		
		-3A	1040					E10		
		-5A	1060					F0441 A1		

Reviewed By: _____ **Date:** _____

CT ETPH SEP

Katahdin Analytical Services, Inc.
Organic Extraction Log

Analysis: Fuel Oils
Method: SW846 8015M MEDEP 4.1.25 MADEP EPH FLOPRO (CT ETPH)
Matrix: Aqueous
Extraction: SW846 3520 (SW846 3510)
Surrogate Spike ID: GC0469
LCS/MS Spike ID: GC0480
KD Filter Paper Lot ID: H1123847 1
Acid Lot ID: N/A
Mecl2 Lot ID: E49645
Nitrogen Bath Temp:

Sample pHs checked prior to extraction: (Y) / N
(unpreserved samples should be noted on comments.)
Blanks & LCSs adjusted to pH 2 w/ 1:1 HCl: Y / [N]

Date Extracted	Ext. Init.	Sample ID	Initial Volume mL	Surr. Volume mL	Spike Volume mL	Final Volume mL	Date Conc.	Tray Location	Conc. Init.	Comments
1-14-08	KF	WG47340-1	1000	1mL	NR	1mL	1-24-08	F0441 A2	KF	R75296 pH neutral
		-2			1mL			A3		
		-3	1020					A4		MS SB0168-3J
		-4	1040					A5		MSD " -3K

QAEX145 000000

CT ETPH SEP

Date Extracted	Ext. Init.	Sample ID	Initial Volume mL	Surr. Volume mL	Spike Volume mL	Final Volume mL	Date Conc.	Tray Location	Conc. Init.	Comments
1-14-08	KF	SB0168-1D	1050	1mL	NR	1mL	1-24-08	F0441 A6	KF	pH neutral
		-2D	1050					A7		
		-3L -3D KF 1/11	1060					A8		
		-4D	1000					A9		
		-5D	1020					A10		
		-7D -8D KF 1/11	940					B1		
		-8D	1060					B2		
		-9D	1040					B3		
		-10D	1040					B4		
		-11D	1040					B5		small emulsion
		-12D	1040					B6		

Reviewed By: _____ Date: _____

QAEX145 00000

TETRA TECH NUS, INC.
CTO 426 NLON
SDG: CTO426-2
SB1520, SB1567, SB1568

KATAHDIN ANALYTICAL SERVICES, INC.
600 TECHNOLOGY WAY
SCARBOROUGH, ME 04074

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SAMPLE DATA PACKAGE

SDG NARRATIVE
KATAHDIN ANALYTICAL SERVICES
TETRA TECH NUS
CASE CTO 426 NLON
SDG: CTO426-2
SB1520, SB1567, SB1568

Sample Receipt

The following samples were received on March 26, 28 and 29, 2008 and were logged in under Katahdin Analytical Services work order numbers SB1520, SB1567 and SB1568 for a hardcopy due date of April 17, 2008.

KATAHDIN Sample No.	TTNUS Sample Identification
SB1520-1	AWD-GW-TB1
SB1520-2	AWDGWMW10120080324
SB1520-3	AWDGWMW10220080324
SB1520-4	AWDGWMW10320080325
SB1520-5	AWDGWMW10420080325
SB1520-6	AWDGWMW20120080325
SB1520-7	AWDGWMW1420080325
SB1520-8	AWDGWMW20220080325
SB1520-9	AWDGWMW30420080325
SB1567-1	AWD-GW-TB2
SB1567-2	AWDGWMW30520080325
SB1567-3	AWDGWMW30120080326
SB1567-4	AWDGWMW40120080326
SB1567-5	AWDGWMW30220080326
SB1567-6	AWDGWMW30320080326
SB1567-7	AWDGWMW40220080326
SB1567-8	AWD-GW-DUP2
SB1567-9	AWDGWMW40320080327
SB1567-10	AWD-GW-DUP1
SB1567-11	AWDSWSW120080327
SB1567-12	AWD-SW-DUP1
SB1567-13	AWDGWMW40420080327
SB1568-1	AWD-SW-TB3
SB1568-2	AWDSWPZ203A20080327

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 CTO426-2 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 SB1520-2 was used for the Matrix Spike (MS) and Matrix Spike Duplicate (MSD), 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.

The sample with the client ID AWDGWMW10120080324 (laboratory ID SB1520-2) exceeds the 19-character limit of the Katahdin Analytical Services' organics forms processing system when appended with the MSD designation. Therefore, the first two characters ("AW") in the client ID for this sample was omitted on all forms for the sample, MS, and MSD analyses.

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 to take corrective action only if the number of spiked analytes in the LCS that are outside of the QC limits is greater than the DoD QSM allowable number of exceedances. The LCS report consists of the full list of spiked analytes, but only the client's list of target analytes are evaluated. 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.

8015-TPH Analysis

Samples SB1520-3, 7, 8, 9, SB1567-2, 3, 5, 6, 7, 8, 9, 10, 11, 12, 13, and SB1568-2 were manually integrated for extractable TPH C_9-C_{36} and/or the surrogate o-terphenyl. 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.

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

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 4-17-08

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: AJC	Sampled By: Client
Project:	KIMS Entry By: DJ	Delivered By: FEDEX
KAS Work Order#: SB1520	KIMS Review By: A —	Received By: DS
SDG #:	Cooler: 1 of 3	Date/Time Rec.: 32608 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): 1.7
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

0000006

Katahdin Analytical Services, Inc. — Sample Receipt Condition Report

Client: Tetra Tech	KAS PM: ADC	Sampled By: Client
Project:	KIMS Entry By: DD	Delivered By: FedEx
KAS Work Order#: S81520	KIMS Review By: ADC	Received By: DD
SDG #:	Cooler: 2 of 3	Date/Time Rec.: 3/26/08 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): 2.9
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

Katahdin Analytical Services, Inc. — Sample Receipt Condition Report

Client: Tetra Tech	KAS PM: ADC	Sampled By: Client
Project:	KIMS Entry By: DS	Delivered By: FEDEX
KAS Work Order#: SB1520	KIMS Review By: AOL	Received By: DS
SDG #:	Cooler: 3 of 3	Date/Time Rec.: 32608 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): 5.4
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?					
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

0000008

Katahdin Analytical Services, Inc. **Sample Receipt Condition Report**

Client: Tetra Tech	KAS PM: ADC	Sampled By: Client
Project:	KIMS Entry By: DS	Delivered By: FEDEX
KAS Work Order#: SB15607	KIMS Review By: ADC	Received By: DS
SDG #:	Cooler: 1 of 3	Date/Time Rec.: 32808 1000

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): 5.0 Temp blank contained HCL
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

Sample AWD-GW-MW305-20080325 was labeled by client as being sampled at ~~6:00~~ 17:25

Sample AWD-GW-MW302-20080326 was labeled by client as being sampled at 1400

0000009

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#: SB15167	KIMS Review By: Asc	Received By: DS
SDG #:	Cooler: 2 of 3	Date/Time Rec.: 3/29/06 1000

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): 0.9
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

0000010

Katahdin Analytical Services, Inc.

Sample Receipt Condition Report

Client: Tetra Tech	KAS PM: ADC	Sampled By: Client
Project:	KIMS Entry By: DS	Delivered By: FEDEX
KAS Work Order#: SB1567	KIMS Review By: ADC	Received By: DS
SDG #:	Cooler: 3 of 3	Date/Time Rec.: 32804 1000

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): 5.2 Temp blank contained HCL.
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

0000011

Katahdin Analytical Services, Inc.

Sample Receipt Condition Report

Client: Tetra Tech	KAS PM: ADC	Sampled By: Client
Project:	KIMS Entry By: DJ	Delivered By: FEDEX
KAS Work Order#: SB15168	KIMS Review By: ADC	Received By: KEJ
SDG #:	Cooler: 1 of 1	Date/Time Rec.: 3/29/08 11:20

Receipt Criteria	Y	N	EX*	NA	Comments and/or Resolution
1. Custody seals present / intact?	Y				
2. Chain of Custody present in cooler?	Y				
3. Chain of Custody signed by client?	Y				
4. Chain of Custody matches samples?	X				
5. Temperature Blanks present?	Y				Temp (°C): 4.0
6. Samples received at < 6 °C w/o freezing? Ice or ice packs present? (Y) or N	Y				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				only received one amber bottle about 1/4 full.
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
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

Client: Tetra Tech NUS, Inc
Contact: Steve Vetere
Phone #: (978) 474-8444
Fax #: (978) 474-849
Address: 55 Jonspin Road
City: Wilmington
State: MA
Zip Code: 01887
Purchase Order #: CTO 426 NLON
Proj. Name / No.: 112G00809.0000.0320 Arrowood NSB New London
Katahdin Quote #:
Bill (if different than above): Accounts Payable
Address: 661 Anderson Drive Foster Plaza 7, Pittsburgh, PA
Sampler (Print / Sign): Peter Seward / Peter Seward
Copies To:

LAB USE ONLY
WORK ORDER #: SB1520
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	Total No. of Cntrs.	Target VOCs	CT ETPH									
					Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N
	AWD-GW-TB1	3/24/08 / 1300	AQ	2	2	1									
	AWD-GW-MW101-20080324	3-24-08 / 1630	GW	15	9	6									
	AWD-GW-MW102-20080324	3-24-08 / 1630	GW	5	3	2									
	AWD-GW-MW103-20080325	3-25-08 / 1025	GW	5	3	2									
	AWD-GW-MW104-20080325	3-25-08 / 1040	GW	5	3	2									
	AWD-GW-~~MW104~~ MW201 ps 3/25/08 20080325	3-25-08 / 1240	GW	5	3	2									
	AWD-GW-MW14-20080325	3-25-08 / 1245	GW	5	3	2									
	AWD-GW-MW202-20080325	3-25-08 / 1435	GW	5	3	2									
	AWD-GW-MW304-20080325	3-25-08 / 1520	GW	5	3	2									
		/													
		/													
		/													
		/													
		/													
		/													
		/													

COMMENTS

Relinquished By: (Signature)	Date / Time	Received By: (Signature)	Relinquished By: (Signature)	Date / Time	Received By: (Signature)
Peter Seward	3-25-08 1715	Fedex			
Relinquished By: (Signature)	Date / Time	Received By: (Signature)	Relinquished By: (Signature)	Date / Time	Received By: (Signature)
		324061010			0000013

THE TERMS AND CONDITIONS ON THE REVERSE SIDE HEREOF SHALL GOVERN

ORIGINAL

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

Client: Tetra Tech NUS, Inc
Contact: Steve Vetere
Phone #: (978) 474-3444
Fax #: (978) 474-3499
Address: 55 Jonspin Road
City: Wilmington
State: MA
Zip Code: 01887
Purchase Order #: CTO 4326 NLON
Proj. Name / No.: N26009369-0320/ Armored Housing NSB New London
Katahdin Quote #:
Bill (if different than above): Accounts Payable
Address: 661 Anderson Drive Foster Plaza 7, Pittsburgh, PA
Sampler (Print / Sign): Peter Seward / Peter S.
Copies To:

LAB USE ONLY
WORK ORDER #: 581567/~~581568~~ 05
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	Total No. of Cntrs.	Target VOCs (40 mL vials) Filt. ☐Y ☐N	CT ETPH (1L amber jars) Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N
	AWD-GW-TB2	3-25-08 / 1500	AQ	2	2	1								
	AWD-GW-MW305-20080325	3-25-08 / 1730	GW	5	3	2								
	AWD-GW-MW301-20080326	3-26-08 / 1120	GW	5	3	2								
	AWD-GW-MW401-20080326	3-26-08 / 1120	GW	5	3	2								
	AWD-GW-MW302-20080326	3-26-08 / 1405	GW	5	3	2								
	AWD-GW-MW303-20080326	3-26-08 / 1600	GW	5	3	2								
	AWD-GW-MW402-20080326	3-26-08 / 1615	GW	5	3	2								
	AWD-GW-DUP2	3-26-08 / 1620	GW	5	3	2								
	AWD-GW-~~MW403~~ MW403-20080327 3-27-08	3-27-08 / 1100	GW	5	3	2								
	AWD-GW-DUP1	3-27-08 / 1115	GW	5	3	2								
	AWD-SW-SW1-20080327	3-27-08 / 1150	SW	5	3	2								
	AWD-SW-DUP1	3-27-08 / 1230	SW	5	3	2								
	AWD-GW-MW404-20080327	3-27-08 / 1420	GW	5	3	2								
		/												
		/												
		/												

COMMENTS

Relinquished By: (Signature)	Date / Time	Received By: (Signature)	Relinquished By: (Signature)	Date / Time	Received By: (Signature)
Peter S.	3-27-08 1800	Fedex			
Relinquished By: (Signature)	Date / Time	Received By: (Signature)	Relinquished By: (Signature)	Date / Time	Received By: (Signature)
		3-27-08 3280811000			0000014

THE TERMS AND CONDITIONS ON THE REVERSE SIDE HEREOF SHALL GOVERN

ORIGINAL

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

Client: Tetra Tech NUS, Inc
Contact: Steve Vetere
Phone #: (978) 474-8444
Fax #: (978) 474-8499
Address: 55 Jonspin Road
City: Wilmington
State: MA
Zip Code: 01887
Purchase Order #: CTO 426 NLON
Proj. Name / No.: 112G08809.0000.0326 Arrowood Housing NSB New London
Katahdin Quote #:
Bill (if different than above): Accounts Payable
Address: Del Anderson Drive Foster Plaza 7, Pittsburgh, PA
Sampler (Print / Sign): Peter Seward
Copies To:

LAB USE ONLY
WORK ORDER #: 361865
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	Total No. of Cntrs.	Target VOCs (40 mL vials)	CT ETPH (1L amber jars)	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N
	AWD-SW-TB3	3-27-08 / ~~3-26-08~~ 1730	AQ	2	2	—										
	AWD-SW-P2903A-20080327 PS 3-28-08															
	~~AWD-SW-SW1 P2903 PS 3/28/08~~	3-27-08 / 1445	SW	4	3	1										

3-26-08

OMMENTS

Relinquished By: (Signature)	Date / Time	Received By: (Signature)	Relinquished By: (Signature)	Date / Time	Received By: (Signature)
	~~3-28-08~~ ~~1500~~ 1500				
Relinquished By: (Signature)	Date / Time	Received By: (Signature)	Relinquished By: (Signature)	Date / Time	Received By: (Signature)

0000015

THE TERMS AND CONDITIONS ON THE REVERSE SIDE HEREOF SHALL GOVERN

ORIGINAL

Katahdin
ANALYTICAL SERVICES

Katahdin Analytical Services

Login Chain of Custody Report (lno1)

Mar. 26, 2008
02:50 PM

Login Number: SB1520

Account: TETRAT001 Web
Tetra Tech NUS, Inc.

Project: TETRAT426001

Primary Report Address:
Lucy Guzman
Tetra Tech NUS
55 Jonspin Road

Wilmington,MA 01887-1020

Primary Invoice Address:
Accounts Payable
Tetra Tech NUS, Inc.
661 Andersen Drive
Foster Plaza 7
Pittsburgh,PA 15220

Report CC Addresses:
Invoice CC Addresses:

Login Information

ANALYSIS INSTRUCTIONS	:	TPH is CT-ETPH.
CHECK NO.	:	
CLIENT PO#	:	1000693 25-426
COOLER TEMPERATURE	:	1.7, 2.9, 5.4
DELIVERY SERVICES	:	FEDEX
EDD FORMAT	:	KAS087QC-TXT
PM	:	AJC
PROJECT NAME	:	CTO 426 NLON
QC LEVEL	:	IV
REGULATORY LIST	:	NFESC
REPORT INSTRUCTIONS	:	Rpt to MDL. Data summary needs all forms. Send Lucy hc and cd w/ PDF. Send Tobrena CD w/ PDF & EDD.
SDG ID	:	CTO426-2
SDG STATUS	:	Begin

Laboratory Sample ID	Client Sample Number	Collect Date/Time	Receive Date	PR	Verbal Date	Due Date	Mailed
SB1520-1	AWD-GW-TB1	24-MAR-08 13:00	26-MAR-08			14-APR-08	

Matrix		Product	Hold Date (shortest)	Bottle Type	Bottle Count	Comments
Aqueous	S	SW8260-S	07-APR-08	40mL Vial+HCl	2	

SB1520-2	AWDGWMW10120080324	24-MAR-08 16:30	26-MAR-08			14-APR-08	

Matrix		Product	Hold Date (shortest)	Bottle Type	Bottle Count	Comments
Aqueous	S	SW8015M-TPH	31-MAR-08	1L N-Amber Glass	6	**MS/MSD**
Aqueous	S	SW8260-S	07-APR-08	40mL Vial+HCl	9	

SB1520-3	AWDGWMW10220080324	24-MAR-08 16:30	26-MAR-08			14-APR-08	

Matrix		Product	Hold Date (shortest)	Bottle Type	Bottle Count	Comments
Aqueous	S	SW8015M-TPH	31-MAR-08	1L N-Amber Glass	2	
Aqueous	S	SW8260-S	07-APR-08	40mL Vial+HCl	3	

SB1520-4	AWDGWMW10320080325	25-MAR-08 10:25	26-MAR-08			14-APR-08	

Matrix		Product	Hold Date (shortest)	Bottle Type	Bottle Count	Comments
Aqueous	S	SW8015M-TPH	01-APR-08	1L N-Amber Glass	2	
Aqueous	S	SW8260-S	08-APR-08	40mL Vial+HCl	3	

SB1520-5	AWDGWMW10420080325	25-MAR-08 10:40	26-MAR-08			14-APR-08	

Matrix		Product	Hold Date (shortest)	Bottle Type	Bottle Count	Comments
Aqueous	S	SW8015M-TPH	01-APR-08	1L N-Amber Glass	2	
Aqueous	S	SW8260-S	08-APR-08	40mL Vial+HCl	3	

SB1520-6	AWDGWMW20120080325	25-MAR-08 12:40	26-MAR-08			14-APR-08	

Matrix		Product	Hold Date (shortest)	Bottle Type	Bottle Count	Comments
Aqueous	S	SW8015M-TPH	01-APR-08	1L N-Amber Glass	2	
Aqueous	S	SW8260-S	08-APR-08	40mL Vial+HCl	3	

SB1520-7	AWDGWMW1420080325	25-MAR-08 12:45	26-MAR-08			14-APR-08	

Matrix		Product	Hold Date (shortest)	Bottle Type	Bottle Count	Comments
Aqueous	S	SW8015M-TPH	01-APR-08	1L N-Amber Glass	2	
Aqueous	S	SW8260-S	08-APR-08	40mL Vial+HCl	3	

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Katahdin
ANALYTICAL SERVICES

Katahdin Analytical Services

Login Chain of Custody Report (lno1)

Mar. 26, 2008
02:50 PM

Login Number: SB1520

Account: TETRAT001 Web
Tetra Tech NUS, Inc.

Project: TETRAT426001

Laboratory Sample ID	Client Sample Number	Collect Date/Time	Receive Date	PR	Verbal Date	Due Date	Mailed
SB1520-8	AWDGWMW20220080325	25-MAR-08 14:35	26-MAR-08			14-APR-08	

Matrix		Product	Hold Date (shortest)	Bottle Type	Bottle Count	Comments
Aqueous	S	SW8015M-TPH	01-APR-08	1L N-Amber Glass	2	
Aqueous	S	SW8260-S	08-APR-08	40mL Vial+HCl	3	

SB1520-9	AWDGWMW30420080325	25-MAR-08 15:20	26-MAR-08			14-APR-08	

Matrix		Product	Hold Date (shortest)	Bottle Type	Bottle Count	Comments
Aqueous	S	SW8015M-TPH	01-APR-08	1L N-Amber Glass	2	
Aqueous	S	SW8260-S	08-APR-08	40mL Vial+HCl	3	

Total Samples: ***9*** ***Total Analyses:*** ***17***

Katahdin ANALYTICAL SERVICES

Katahdin Analytical Services

Login Chain of Custody Report (lno1)

Mar. 28, 2008
11:52 AM

Login Number: SB1567

Account: TETRAT001 Web
Tetra Tech NUS, Inc.

Project: TETRAT426001

Primary Report Address:
Lucy Guzman
Tetra Tech NUS
55 Jonspin Road

Wilmington,MA 01887-1020

Primary Invoice Address:
Accounts Payable
Tetra Tech NUS, Inc.
661 Andersen Drive
Foster Plaza 7
Pittsburgh,PA 15220

Report CC Addresses:
Invoice CC Addresses:

Login Information

ANALYSIS INSTRUCTIONS	:	
CHECK NO.	:	
CLIENT PO#	:	1000693 25-426
COOLER TEMPERATURE	:	5.0, 0.9, 5.2
DELIVERY SERVICES	:	FEDEX
EDD FORMAT	:	KAS087QC-TXT
PM	:	AJC
PROJECT NAME	:	CTO 426 NLON
QC LEVEL	:	IV
REGULATORY LIST	:	NFESC
REPORT INSTRUCTIONS	:	Rpt to MDL. Data summary needs all forms. Send hc and cd w/ PDF to Lucy. Send Tobrena CD w/ PDF & EDD.
SDG ID	:	CTO426-2
SDG STATUS	:	Cont.

Laboratory Sample ID	Client Sample Number	Collect Date/Time	Receive Date	PR	Verbal Date	Due Date	Mailed
SB1567-1	AWD-GW-TB2	25-MAR-08 15:00	28-MAR-08			16-APR-08	

Matrix		Product	Hold Date (shortest)	Bottle Type	Bottle Count	Comments
Aqueous	S	SW8260-S	08-APR-08	40mL Vial+HCl	2	

SB1567-2	AWDGWMW30520080325	25-MAR-08 17:30	28-MAR-08			16-APR-08	

Matrix		Product	Hold Date (shortest)	Bottle Type	Bottle Count	Comments
Aqueous	S	SW8015M-TPH	01-APR-08	1L N-Amber Glass	2	
Aqueous	S	SW8260-S	08-APR-08	40mL Vial+HCl	3	

SB1567-3	AWDGWMW30120080326	26-MAR-08 11:20	28-MAR-08			16-APR-08	

Matrix		Product	Hold Date (shortest)	Bottle Type	Bottle Count	Comments
Aqueous	S	SW8015M-TPH	02-APR-08	1L N-Amber Glass	2	
Aqueous	S	SW8260-S	09-APR-08	40mL Vial+HCl	3	

SB1567-4	AWDGWMW40120080326	26-MAR-08 11:20	28-MAR-08			16-APR-08	

Matrix		Product	Hold Date (shortest)	Bottle Type	Bottle Count	Comments
Aqueous	S	SW8015M-TPH	02-APR-08	1L N-Amber Glass	2	
Aqueous	S	SW8260-S	09-APR-08	40mL Vial+HCl	3	

SB1567-5	AWDGWMW30220080326	26-MAR-08 14:05	28-MAR-08			16-APR-08	

Matrix		Product	Hold Date (shortest)	Bottle Type	Bottle Count	Comments
Aqueous	S	SW8015M-TPH	02-APR-08	1L N-Amber Glass	2	
Aqueous	S	SW8260-S	09-APR-08	40mL Vial+HCl	3	

SB1567-6	AWDGWMW30320080326	26-MAR-08 16:00	28-MAR-08			16-APR-08	

Matrix		Product	Hold Date (shortest)	Bottle Type	Bottle Count	Comments
Aqueous	S	SW8015M-TPH	02-APR-08	1L N-Amber Glass	2	
Aqueous	S	SW8260-S	09-APR-08	40mL Vial+HCl	3	

SB1567-7	AWDGWMW40220080326	26-MAR-08 16:15	28-MAR-08			16-APR-08	

Matrix		Product	Hold Date (shortest)	Bottle Type	Bottle Count	Comments
Aqueous	S	SW8015M-TPH	02-APR-08	1L N-Amber Glass	2	
Aqueous	S	SW8260-S	09-APR-08	40mL Vial+HCl	3	

Katahdin ANALYTICAL SERVICES

Katahdin Analytical Services

Login Chain of Custody Report (lno1)

Mar. 28, 2008
11:52 AM

Login Number: SB1567

Account: TETRAT001 Web
Tetra Tech NUS, Inc.

Project: TETRAT426001

Laboratory Sample ID	Client Sample Number	Collect Date/Time	Receive Date	PR	Verbal Date	Due Date	Mailed
SB1567-8	AWD-GW-DUP2	26-MAR-08 16:20	28-MAR-08			16-APR-08	

Matrix		Product	Hold Date (shortest)	Bottle Type	Bottle Count	Comments
Aqueous	S	SW8015M-TPH	02-APR-08	1L N-Amber Glass	2	
Aqueous	S	SW8260-S	09-APR-08	40mL Vial+HCl	3	

SB1567-9	AWDGWMW40320080327	27-MAR-08 11:00	28-MAR-08			16-APR-08	

Matrix		Product	Hold Date (shortest)	Bottle Type	Bottle Count	Comments
Aqueous	S	SW8015M-TPH	03-APR-08	1L N-Amber Glass	2	
Aqueous	S	SW8260-S	10-APR-08	40mL Vial+HCl	3	

SB1567-10	AWD-GW-DUP1	27-MAR-08 11:15	28-MAR-08			16-APR-08	

Matrix		Product	Hold Date (shortest)	Bottle Type	Bottle Count	Comments
Aqueous	S	SW8015M-TPH	03-APR-08	1L N-Amber Glass	2	
Aqueous	S	SW8260-S	10-APR-08	40mL Vial+HCl	3	

SB1567-11	AWDSWSW120080327	27-MAR-08 11:50	28-MAR-08			16-APR-08	

Matrix		Product	Hold Date (shortest)	Bottle Type	Bottle Count	Comments
Aqueous	S	SW8015M-TPH	03-APR-08	1L N-Amber Glass	2	
Aqueous	S	SW8260-S	10-APR-08	40mL Vial+HCl	3	

SB1567-12	AWD-SW-DUP1	27-MAR-08 12:30	28-MAR-08			16-APR-08	

Matrix		Product	Hold Date (shortest)	Bottle Type	Bottle Count	Comments
Aqueous	S	SW8015M-TPH	03-APR-08	1L N-Amber Glass	2	
Aqueous	S	SW8260-S	10-APR-08	40mL Vial+HCl	3	

SB1567-13	AWDGWMW40420080327	27-MAR-08 14:20	28-MAR-08			16-APR-08	

Matrix		Product	Hold Date (shortest)	Bottle Type	Bottle Count	Comments
Aqueous	S	SW8015M-TPH	03-APR-08	1L N-Amber Glass	2	
Aqueous	S	SW8260-S	10-APR-08	40mL Vial+HCl	3	

Total Samples: *13* ***Total Analyses:*** *25*

Katahdin
ANALYTICAL SERVICES

Katahdin Analytical Services

Login Chain of Custody Report (lno1)

Mar. 31, 2008
10:42 AM

Login Number: SB1568

Account: TETRAT001 Web
Tetra Tech NUS, Inc.

Project: TETRAT426001

Primary Report Address:
Lucy Guzman
Tetra Tech NUS
55 Jonspin Road

Wilmington,MA 01887-1020

Primary Invoice Address:
Accounts Payable
Tetra Tech NUS, Inc.
661 Andersen Drive
Foster Plaza 7
Pittsburgh,PA 15220

Report CC Addresses:
Invoice CC Addresses:

Login Information

ANALYSIS INSTRUCTIONS	:	TPH is CT-ETPH. Limited TPH volume.
CHECK NO.	:	
CLIENT PO#	:	1000693 25-426
COOLER TEMPERATURE	:	4.0
DELIVERY SERVICES	:	FEDEX
EDD FORMAT	:	KAS087QC-TXT
PM	:	AJC
PROJECT NAME	:	CTO 426 NLON
QC LEVEL	:	IV
REGULATORY LIST	:	NFESC
REPORT INSTRUCTIONS	:	Rpt to MDL. Data summary needs all forms. Send hc and Cd w/ PDF to Lucy. Send CD w/ PDF & EDD to Tobrena.
SDG ID	:	CTO426-2
SDG STATUS	:	End

Laboratory Sample ID	Client Sample Number	Collect Date/Time	Receive Date	PR	Verbal Date	Due Date	Mailed
SB1568-1	AWD-SW-TB3	27-MAR-08 17:30	29-MAR-08			17-APR-08	

Matrix		Product	Hold Date (shortest)	Bottle Type	Bottle Count	Comments
Aqueous	S	SW8260-S	10-APR-08	40mL Vial+HCl	2	

Laboratory Sample ID	Client Sample Number	Collect Date/Time	Receive Date	PR	Verbal Date	Due Date	Mailed
SB1568-2	AWDSWPZ203A20080327	27-MAR-08 14:45	29-MAR-08			17-APR-08	

Matrix		Product	Hold Date (shortest)	Bottle Type	Bottle Count	Comments
Aqueous	S	SW8015M-TPH	03-APR-08	1L N-Amber Glass	1	
Aqueous	S	SW8260-S	10-APR-08	40mL Vial+HCl	3	

Total Samples: *2* ***Total Analyses:*** *3*

0000020

SAMPLE DATA SUMMARY PACKAGE

KATAHDIN ANALYTICAL SERVICES - ORGANIC DATA QUALIFIERS

U Indicates the compound was analyzed for but not detected above the laboratory Practical Quantitation Limit.

* Compound recovery outside of quality control limits.

D Indicates the result was obtained from analysis of a diluted sample. Surrogate recoveries may not be calculable.

E Estimated value. This flag identifies compounds whose concentrations exceed the upper level of the calibration range of the instrument for that specific analysis.

J Estimated value. The analyte was detected in the sample at a concentration less than the laboratory Practical Quantitation Limit (PQL), but above the Method Detection Limit (MDL).

or

J Used for Pesticide/Aroclor analyte when there is a greater than 40% difference for detected concentrations between the two GC columns.

B Indicates the analyte was detected in the laboratory method blank analyzed concurrently with the sample.

N Presumptive evidence of a compound based on a mass spectral library search.

A Indicates that a tentatively identified compound is a suspected aldol-condensation product.

P Used for Pesticide/Aroclor analyte when there is a greater than 25% difference for detected concentrations between the two GC columns. (for CLP methods only).

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 03/24/08
Received Date: 03/26/08
Extraction Date:
Analysis Date: 27-MAR-2008 12:29
Report Date: 04/02/2008
Matrix: WATER
% Solids: NA

Lab ID: SB1520-1
Client ID: AWD-GW-TB1
SDG: CTO426-2
Extracted by:
Extraction Method: SW846 5030
Analyst: eHCG
Analysis Method: SW846 8260B
Lab Prep Batch: WG49739
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
1634-04-4	Methyl tert-butyl ether	U	1	1.0	1	1	0.6
71-43-2	Benzene	U	1	1.0	1	1	0.4
108-88-3	Toluene	U	1	1.0	1	1	0.3
100-41-4	Ethylbenzene	U	1	1.0	1	1	0.4
1330-20-7	Xylenes (total)	U	3	1.0	3	3	0.4
	m+p-Xylenes	U	2	1.0	2	2	1.0
95-47-6	o-Xylene	U	1	1.0	1	1	0.4
98-82-8	Isopropylbenzene	U	1	1.0	1	1	0.5
91-20-3	Naphthalene	U	1	1.0	1	1	0.4
1868-53-7	Dibromofluoromethane		88%				
17060-07-0	1,2-Dichloroethane-D4		87%				
2037-26-5	Toluene-D8		93%				
460-00-4	P-Bromofluorobenzene		92%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 03/24/08
Received Date: 03/26/08
Extraction Date:
Analysis Date: 27-MAR-2008 14:36
Report Date: 04/02/2008
Matrix: WATER
% Solids: NA

Lab ID: SB1520-2
Client ID: DGWMW10120080324
SDG: CTO426-2
Extracted by:
Extraction Method: SW846 5030
Analyst: HCG
Analysis Method: SW846 8260B
Lab Prep Batch: WG49739
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
1634-04-4	Methyl tert-butyl ether	U	1	1.0	1	1	0.6
71-43-2	Benzene	U	1	1.0	1	1	0.4
108-88-3	Toluene	U	1	1.0	1	1	0.3
100-41-4	Ethylbenzene	U	1	1.0	1	1	0.4
1330-20-7	Xylenes (total)	U	3	1.0	3	3	0.4
	m+p-Xylenes	U	2	1.0	2	2	1.0
95-47-6	o-Xylene	U	1	1.0	1	1	0.4
98-82-8	Isopropylbenzene	U	1	1.0	1	1	0.5
91-20-3	Naphthalene	U	1	1.0	1	1	0.4
1868-53-7	Dibromofluoromethane		92%				
17060-07-0	1,2-Dichloroethane-D4		91%				
2037-26-5	Toluene-D8		93%				
460-00-4	P-Bromofluorobenzene		92%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 03/24/08
Received Date: 03/26/08
Extraction Date:
Analysis Date: 27-MAR-2008 15:08
Report Date: 04/02/2008
Matrix: WATER
% Solids: NA

Lab ID: SB1520-3
Client ID: AWDGWMW10220080324
SDG: CTO426-2
Extracted by:
Extraction Method: SW846 5030
Analyst: HCG
Analysis Method: SW846 8260B
Lab Prep Batch: WG49739
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
1634-04-4	Methyl tert-butyl ether	U	1	1.0	1	1	0.6
71-43-2	Benzene	U	1	1.0	1	1	0.4
108-88-3	Toluene	U	1	1.0	1	1	0.3
100-41-4	Ethylbenzene	U	1	1.0	1	1	0.4
1330-20-7	Xylenes (total)	U	3	1.0	3	3	0.4
	m+p-Xylenes	U	2	1.0	2	2	1.0
95-47-6	o-Xylene	U	1	1.0	1	1	0.4
98-82-8	Isopropylbenzene	U	1	1.0	1	1	0.5
91-20-3	Naphthalene	J	0.4	1.0	1	1	0.4
1868-53-7	Dibromofluoromethane		92%				
17060-07-0	1,2-Dichloroethane-D4		91%				
2037-26-5	Toluene-D8		94%				
460-00-4	P-Bromofluorobenzene		93%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 03/25/08
Received Date: 03/26/08
Extraction Date:
Analysis Date: 27-MAR-2008 15:40
Report Date: 04/02/2008
Matrix: WATER
% Solids: NA

Lab ID: SB1520-4
Client ID: AWDGWMW10320080325
SDG: CTO426-2
Extracted by:
Extraction Method: SW846 5030
Analyst: HCG
Analysis Method: SW846 8260B
Lab Prep Batch: WG49739
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
1634-04-4	Methyl tert-butyl ether	U	1	1.0	1	1	0.6
71-43-2	Benzene	U	1	1.0	1	1	0.4
108-88-3	Toluene	U	1	1.0	1	1	0.3
100-41-4	Ethylbenzene	U	1	1.0	1	1	0.4
1330-20-7	Xylenes (total)	U	3	1.0	3	3	0.4
	m+p-Xylenes	U	2	1.0	2	2	1.0
95-47-6	o-Xylene	U	1	1.0	1	1	0.4
98-82-8	Isopropylbenzene	U	1	1.0	1	1	0.5
91-20-3	Naphthalene	U	1	1.0	1	1	0.4
1868-53-7	Dibromofluoromethane		94%				
17060-07-0	1,2-Dichloroethane-D4		93%				
2037-26-5	Toluene-D8		95%				
460-00-4	P-Bromofluorobenzene		94%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 03/25/08
Received Date: 03/26/08
Extraction Date:
Analysis Date: 27-MAR-2008 16:12
Report Date: 04/02/2008
Matrix: WATER
% Solids: NA

Lab ID: SB1520-5
Client ID: AWDGWMW10420080325
SDG: CTO426-2
Extracted by:
Extraction Method: SW846 5030
Analyst: HCG
Analysis Method: SW846 8260B
Lab Prep Batch: WG49739
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
1634-04-4	Methyl tert-butyl ether	U	1	1.0	1	1	0.6
71-43-2	Benzene	U	1	1.0	1	1	0.4
108-88-3	Toluene	U	1	1.0	1	1	0.3
100-41-4	Ethylbenzene	U	1	1.0	1	1	0.4
1330-20-7	Xylenes (total)	U	3	1.0	3	3	0.4
	m+p-Xylenes	U	2	1.0	2	2	1.0
95-47-6	o-Xylene	U	1	1.0	1	1	0.4
98-82-8	Isopropylbenzene	U	1	1.0	1	1	0.5
91-20-3	Naphthalene	U	1	1.0	1	1	0.4
1868-53-7	Dibromofluoromethane		94%				
17060-07-0	1,2-Dichloroethane-D4		93%				
2037-26-5	Toluene-D8		94%				
460-00-4	P-Bromofluorobenzene		93%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 03/25/08
Received Date: 03/26/08
Extraction Date:
Analysis Date: 27-MAR-2008 16:44
Report Date: 04/02/2008
Matrix: WATER
% Solids: NA

Lab ID: SB1520-6
Client ID: AWDGWMW20120080325
SDG: CTO426-2
Extracted by:
Extraction Method: SW846 5030
Analyst: HCG
Analysis Method: SW846 8260B
Lab Prep Batch: WG49739
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
1634-04-4	Methyl tert-butyl ether	U	1	1.0	1	1	0.6
71-43-2	Benzene	U	1	1.0	1	1	0.4
108-88-3	Toluene	U	1	1.0	1	1	0.3
100-41-4	Ethylbenzene	U	1	1.0	1	1	0.4
1330-20-7	Xylenes (total)	U	3	1.0	3	3	0.4
	m+p-Xylenes	U	2	1.0	2	2	1.0
95-47-6	o-Xylene	U	1	1.0	1	1	0.4
98-82-8	Isopropylbenzene	U	1	1.0	1	1	0.5
91-20-3	Naphthalene	U	1	1.0	1	1	0.4
1868-53-7	Dibromofluoromethane		93%				
17060-07-0	1,2-Dichloroethane-D4		95%				
2037-26-5	Toluene-D8		95%				
460-00-4	P-Bromofluorobenzene		92%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 03/25/08
Received Date: 03/26/08
Extraction Date:
Analysis Date: 27-MAR-2008 17:16
Report Date: 04/02/2008
Matrix: WATER
% Solids: NA

Lab ID: SB1520-7
Client ID: AWDGWMW1420080325
SDG: CTO426-2
Extracted by:
Extraction Method: SW846 5030
Analyst: HCG
Analysis Method: SW846 8260B
Lab Prep Batch: WG49739
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
1634-04-4	Methyl tert-butyl ether	U	1	1.0	1	1	0.6
71-43-2	Benzene	U	1	1.0	1	1	0.4
108-88-3	Toluene	U	1	1.0	1	1	0.3
100-41-4	Ethylbenzene	U	1	1.0	1	1	0.4
1330-20-7	Xylenes (total)	U	3	1.0	3	3	0.4
	m+p-Xylenes	U	2	1.0	2	2	1.0
95-47-6	o-Xylene	U	1	1.0	1	1	0.4
98-82-8	Isopropylbenzene		3	1.0	1	1	0.5
91-20-3	Naphthalene	J	0.6	1.0	1	1	0.4
1868-53-7	Dibromofluoromethane		96%				
17060-07-0	1,2-Dichloroethane-D4		95%				
2037-26-5	Toluene-D8		95%				
460-00-4	P-Bromofluorobenzene		96%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 03/25/08
Received Date: 03/26/08
Extraction Date:
Analysis Date: 27-MAR-2008 17:48
Report Date: 04/02/2008
Matrix: WATER
% Solids: NA

Lab ID: SB1520-8
Client ID: AWDGWMW20220080325
SDG: CTO426-2
Extracted by:
Extraction Method: SW846 5030
Analyst: HCG
Analysis Method: SW846 8260B
Lab Prep Batch: WG49739
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
1634-04-4	Methyl tert-butyl ether	U	1	1.0	1	1	0.6
71-43-2	Benzene	U	1	1.0	1	1	0.4
108-88-3	Toluene	U	1	1.0	1	1	0.3
100-41-4	Ethylbenzene	J	0.8	1.0	1	1	0.4
1330-20-7	Xylenes (total)	U	3	1.0	3	3	0.4
	m+p-Xylenes	U	2	1.0	2	2	1.0
95-47-6	o-Xylene	U	1	1.0	1	1	0.4
98-82-8	Isopropylbenzene		2	1.0	1	1	0.5
91-20-3	Naphthalene	U	1	1.0	1	1	0.4
1868-53-7	Dibromofluoromethane		94%				
17060-07-0	1,2-Dichloroethane-D4		96%				
2037-26-5	Toluene-D8		95%				
460-00-4	P-Bromofluorobenzene		96%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 03/25/08
Received Date: 03/26/08
Extraction Date:
Analysis Date: 27-MAR-2008 18:20
Report Date: 04/02/2008
Matrix: WATER
% Solids: NA

Lab ID: SB1520-9
Client ID: AWDGWMW30420080325
SDG: CTO426-2
Extracted by:
Extraction Method: SW846 5030
Analyst: HCG
Analysis Method: SW846 8260B
Lab Prep Batch: WG49739
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
1634-04-4	Methyl tert-butyl ether	U	1	1.0	1	1	0.6
71-43-2	Benzene	U	1	1.0	1	1	0.4
108-88-3	Toluene	U	1	1.0	1	1	0.3
100-41-4	Ethylbenzene	U	1	1.0	1	1	0.4
1330-20-7	Xylenes (total)	U	3	1.0	3	3	0.4
	m+p-Xylenes	U	2	1.0	2	2	1.0
95-47-6	o-Xylene	U	1	1.0	1	1	0.4
98-82-8	Isopropylbenzene	J	0.8	1.0	1	1	0.5
91-20-3	Naphthalene	U	1	1.0	1	1	0.4
1868-53-7	Dibromofluoromethane		94%				
17060-07-0	1,2-Dichloroethane-D4		94%				
2037-26-5	Toluene-D8		95%				
460-00-4	P-Bromofluorobenzene		94%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 03/25/08
Received Date: 03/28/08
Extraction Date:
Analysis Date: 28-MAR-2008 14:13
Report Date: 04/02/2008
Matrix: WATER
% Solids: NA

Lab ID: SB1567-1
Client ID: AWD-GW-TB2
SDG: CTO426-2
Extracted by:
Extraction Method: SW846 5030
Analyst: HCG
Analysis Method: SW846 8260B
Lab Prep Batch: WG49763
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
1634-04-4	Methyl tert-butyl ether	U	1	1.0	1	1	0.6
71-43-2	Benzene	U	1	1.0	1	1	0.4
108-88-3	Toluene	U	1	1.0	1	1	0.3
100-41-4	Ethylbenzene	U	1	1.0	1	1	0.4
1330-20-7	Xylenes (total)	U	3	1.0	3	3	0.4
	m+p-Xylenes	U	2	1.0	2	2	1.0
95-47-6	o-Xylene	U	1	1.0	1	1	0.4
98-82-8	Isopropylbenzene	U	1	1.0	1	1	0.5
91-20-3	Naphthalene	U	1	1.0	1	1	0.4
1868-53-7	Dibromofluoromethane		88%				
17060-07-0	1,2-Dichloroethane-D4		86%				
2037-26-5	Toluene-D8		93%				
460-00-4	P-Bromofluorobenzene		92%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 03/25/08
Received Date: 03/28/08
Extraction Date:
Analysis Date: 28-MAR-2008 14:45
Report Date: 04/02/2008
Matrix: WATER
% Solids: NA

Lab ID: SB1567-2
Client ID: AWDGWMW30520080325
SDG: CTO426-2
Extracted by:
Extraction Method: SW846 5030
Analyst: HCG
Analysis Method: SW846 8260B
Lab Prep Batch: WG49763
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
1634-04-4	Methyl tert-butyl ether	U	1	1.0	1	1	0.6
71-43-2	Benzene	U	1	1.0	1	1	0.4
108-88-3	Toluene	U	1	1.0	1	1	0.3
100-41-4	Ethylbenzene	U	1	1.0	1	1	0.4
1330-20-7	Xylenes (total)	U	3	1.0	3	3	0.4
	m+p-Xylenes	U	2	1.0	2	2	1.0
95-47-6	o-Xylene	U	1	1.0	1	1	0.4
98-82-8	Isopropylbenzene	U	1	1.0	1	1	0.5
91-20-3	Naphthalene	U	1	1.0	1	1	0.4
1868-53-7	Dibromofluoromethane		89%				
17060-07-0	1,2-Dichloroethane-D4		88%				
2037-26-5	Toluene-D8		95%				
460-00-4	P-Bromofluorobenzene		94%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 03/26/08
Received Date: 03/28/08
Extraction Date:
Analysis Date: 28-MAR-2008 15:17
Report Date: 04/02/2008
Matrix: WATER
% Solids: NA

Lab ID: SB1567-3
Client ID: AWDGWMW30120080326
SDG: CTO426-2
Extracted by:
Extraction Method: SW846 5030
Analyst: HCG
Analysis Method: SW846 8260B
Lab Prep Batch: WG49763
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
1634-04-4	Methyl tert-butyl ether	U	1	1.0	1	1	0.6
71-43-2	Benzene	U	1	1.0	1	1	0.4
108-88-3	Toluene	U	1	1.0	1	1	0.3
100-41-4	Ethylbenzene	U	1	1.0	1	1	0.4
1330-20-7	Xylenes (total)	U	3	1.0	3	3	0.4
	m+p-Xylenes	U	2	1.0	2	2	1.0
95-47-6	o-Xylene	U	1	1.0	1	1	0.4
98-82-8	Isopropylbenzene	U	1	1.0	1	1	0.5
91-20-3	Naphthalene	U	1	1.0	1	1	0.4
1868-53-7	Dibromofluoromethane		92%				
17060-07-0	1,2-Dichloroethane-D4		91%				
2037-26-5	Toluene-D8		95%				
460-00-4	P-Bromofluorobenzene		95%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 03/26/08
Received Date: 03/28/08
Extraction Date:
Analysis Date: 28-MAR-2008 15:48
Report Date: 04/02/2008
Matrix: WATER
% Solids: NA

Lab ID: SB1567-4
Client ID: AWDGWMW40120080326
SDG: CTO426-2
Extracted by:
Extraction Method: SW846 5030
Analyst: HCG
Analysis Method: SW846 8260B
Lab Prep Batch: WG49763
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
1634-04-4	Methyl tert-butyl ether	U	1	1.0	1	1	0.6
71-43-2	Benzene	U	1	1.0	1	1	0.4
108-88-3	Toluene	U	1	1.0	1	1	0.3
100-41-4	Ethylbenzene	U	1	1.0	1	1	0.4
1330-20-7	Xylenes (total)	U	3	1.0	3	3	0.4
	m+p-Xylenes	U	2	1.0	2	2	1.0
95-47-6	o-Xylene	U	1	1.0	1	1	0.4
98-82-8	Isopropylbenzene	U	1	1.0	1	1	0.5
91-20-3	Naphthalene	U	1	1.0	1	1	0.4
1868-53-7	Dibromofluoromethane		90%				
17060-07-0	1,2-Dichloroethane-D4		90%				
2037-26-5	Toluene-D8		93%				
460-00-4	P-Bromofluorobenzene		93%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 03/26/08
Received Date: 03/28/08
Extraction Date:
Analysis Date: 28-MAR-2008 16:20
Report Date: 04/02/2008
Matrix: WATER
% Solids: NA

Lab ID: SB1567-5
Client ID: AWDGWMW30220080326
SDG: CTO426-2
Extracted by:
Extraction Method: SW846 5030
Analyst: HCG
Analysis Method: SW846 8260B
Lab Prep Batch: WG49763
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
1634-04-4	Methyl tert-butyl ether	U	1	1.0	1	1	0.6
71-43-2	Benzene	U	1	1.0	1	1	0.4
108-88-3	Toluene	U	1	1.0	1	1	0.3
100-41-4	Ethylbenzene	U	1	1.0	1	1	0.4
1330-20-7	Xylenes (total)	U	3	1.0	3	3	0.4
	m+p-Xylenes	U	2	1.0	2	2	1.0
95-47-6	o-Xylene	U	1	1.0	1	1	0.4
98-82-8	Isopropylbenzene	U	1	1.0	1	1	0.5
91-20-3	Naphthalene	U	1	1.0	1	1	0.4
1868-53-7	Dibromofluoromethane		93%				
17060-07-0	1,2-Dichloroethane-D4		93%				
2037-26-5	Toluene-D8		95%				
460-00-4	P-Bromofluorobenzene		95%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 03/26/08
Received Date: 03/28/08
Extraction Date:
Analysis Date: 28-MAR-2008 16:52
Report Date: 04/02/2008
Matrix: WATER
% Solids: NA

Lab ID: SB1567-6
Client ID: AWDGWMW30320080326
SDG: CTO426-2
Extracted by:
Extraction Method: SW846 5030
Analyst: HCG
Analysis Method: SW846 8260B
Lab Prep Batch: WG49763
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
1634-04-4	Methyl tert-butyl ether	U	1	1.0	1	1	0.6
71-43-2	Benzene	U	1	1.0	1	1	0.4
108-88-3	Toluene	U	1	1.0	1	1	0.3
100-41-4	Ethylbenzene	J	0.5	1.0	1	1	0.4
1330-20-7	Xylenes (total)	J	2	1.0	3	3	0.4
	m+p-Xylenes	J	1	1.0	2	2	1.0
95-47-6	o-Xylene		1	1.0	1	1	0.4
98-82-8	Isopropylbenzene		8	1.0	1	1	0.5
91-20-3	Naphthalene		23	1.0	1	1	0.4
1868-53-7	Dibromofluoromethane		95%				
17060-07-0	1,2-Dichloroethane-D4		94%				
2037-26-5	Toluene-D8		95%				
460-00-4	P-Bromofluorobenzene		96%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 03/26/08
Received Date: 03/28/08
Extraction Date:
Analysis Date: 28-MAR-2008 17:24
Report Date: 04/02/2008
Matrix: WATER
% Solids: NA

Lab ID: SB1567-7
Client ID: AWDGWMW40220080326
SDG: CTO426-2
Extracted by:
Extraction Method: SW846 5030
Analyst: HCG
Analysis Method: SW846 8260B
Lab Prep Batch: WG49763
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
1634-04-4	Methyl tert-butyl ether	U	1	1.0	1	1	0.6
71-43-2	Benzene	U	1	1.0	1	1	0.4
108-88-3	Toluene	U	1	1.0	1	1	0.3
100-41-4	Ethylbenzene	J	0.7	1.0	1	1	0.4
1330-20-7	Xylenes (total)	J	0.5	1.0	3	3	0.4
	m+p-Xylenes	U	2	1.0	2	2	1.0
95-47-6	o-Xylene	J	0.5	1.0	1	1	0.4
98-82-8	Isopropylbenzene		1	1.0	1	1	0.5
91-20-3	Naphthalene		5	1.0	1	1	0.4
1868-53-7	Dibromofluoromethane		90%				
17060-07-0	1,2-Dichloroethane-D4		86%				
2037-26-5	Toluene-D8		94%				
460-00-4	P-Bromofluorobenzene		94%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 03/26/08
Received Date: 03/28/08
Extraction Date:
Analysis Date: 28-MAR-2008 17:56
Report Date: 04/02/2008
Matrix: WATER
% Solids: NA

Lab ID: SB1567-8
Client ID: AWD-GW-DUP2
SDG: CTO426-2
Extracted by:
Extraction Method: SW846 5030
Analyst: HCG
Analysis Method: SW846 8260B
Lab Prep Batch: WG49763
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
1634-04-4	Methyl tert-butyl ether	U	1	1.0	1	1	0.6
71-43-2	Benzene	U	1	1.0	1	1	0.4
108-88-3	Toluene	U	1	1.0	1	1	0.3
100-41-4	Ethylbenzene	J	0.5	1.0	1	1	0.4
1330-20-7	Xylenes (total)	J	2	1.0	3	3	0.4
	m+p-Xylenes	J	1	1.0	2	2	1.0
95-47-6	o-Xylene		1	1.0	1	1	0.4
98-82-8	Isopropylbenzene		8	1.0	1	1	0.5
91-20-3	Naphthalene		22	1.0	1	1	0.4
1868-53-7	Dibromofluoromethane		88%				
17060-07-0	1,2-Dichloroethane-D4		85%				
2037-26-5	Toluene-D8		92%				
460-00-4	P-Bromofluorobenzene		93%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 03/27/08
Received Date: 03/28/08
Extraction Date:
Analysis Date: 28-MAR-2008 18:28
Report Date: 04/02/2008
Matrix: WATER
% Solids: NA

Lab ID: SB1567-9
Client ID: AWDGWMW40320080327
SDG: CTO426-2
Extracted by:
Extraction Method: SW846 5030
Analyst: HCG
Analysis Method: SW846 8260B
Lab Prep Batch: WG49763
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
1634-04-4	Methyl tert-butyl ether	U	1	1.0	1	1	0.6
71-43-2	Benzene	U	1	1.0	1	1	0.4
108-88-3	Toluene	U	1	1.0	1	1	0.3
100-41-4	Ethylbenzene	U	1	1.0	1	1	0.4
1330-20-7	Xylenes (total)	U	3	1.0	3	3	0.4
	m+p-Xylenes	U	2	1.0	2	2	1.0
95-47-6	o-Xylene	U	1	1.0	1	1	0.4
98-82-8	Isopropylbenzene	U	1	1.0	1	1	0.5
91-20-3	Naphthalene	J	0.6	1.0	1	1	0.4
1868-53-7	Dibromofluoromethane		88%				
17060-07-0	1,2-Dichloroethane-D4		84%				
2037-26-5	Toluene-D8		92%				
460-00-4	P-Bromofluorobenzene		92%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 03/27/08
Received Date: 03/28/08
Extraction Date:
Analysis Date: 28-MAR-2008 19:00
Report Date: 04/02/2008
Matrix: WATER
% Solids: NA

Lab ID: SB1567-10
Client ID: AWD-GW-DUP1
SDG: CTO426-2
Extracted by:
Extraction Method: SW846 5030
Analyst: HCG
Analysis Method: SW846 8260B
Lab Prep Batch: WG49763
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
1634-04-4	Methyl tert-butyl ether	U	1	1.0	1	1	0.6
71-43-2	Benzene	U	1	1.0	1	1	0.4
108-88-3	Toluene	U	1	1.0	1	1	0.3
100-41-4	Ethylbenzene	U	1	1.0	1	1	0.4
1330-20-7	Xylenes (total)	U	3	1.0	3	3	0.4
	m+p-Xylenes	U	2	1.0	2	2	1.0
95-47-6	o-Xylene	U	1	1.0	1	1	0.4
98-82-8	Isopropylbenzene	U	1	1.0	1	1	0.5
91-20-3	Naphthalene	J	0.5	1.0	1	1	0.4
1868-53-7	Dibromofluoromethane		89%				
17060-07-0	1,2-Dichloroethane-D4		85%				
2037-26-5	Toluene-D8		93%				
460-00-4	P-Bromofluorobenzene		93%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 03/27/08
Received Date: 03/28/08
Extraction Date:
Analysis Date: 28-MAR-2008 19:31
Report Date: 04/02/2008
Matrix: WATER
% Solids: NA

Lab ID: SB1567-11
Client ID: AWDSWSW120080327
SDG: CTO426-2
Extracted by:
Extraction Method: SW846 5030
Analyst: HCG
Analysis Method: SW846 8260B
Lab Prep Batch: WG49763
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
1634-04-4	Methyl tert-butyl ether	U	1	1.0	1	1	0.6
71-43-2	Benzene	U	1	1.0	1	1	0.4
108-88-3	Toluene	U	1	1.0	1	1	0.3
100-41-4	Ethylbenzene	U	1	1.0	1	1	0.4
1330-20-7	Xylenes (total)	U	3	1.0	3	3	0.4
	m+p-Xylenes	U	2	1.0	2	2	1.0
95-47-6	o-Xylene	U	1	1.0	1	1	0.4
98-82-8	Isopropylbenzene	J	0.7	1.0	1	1	0.5
91-20-3	Naphthalene	U	1	1.0	1	1	0.4
1868-53-7	Dibromofluoromethane		88%				
17060-07-0	1,2-Dichloroethane-D4		86%				
2037-26-5	Toluene-D8		93%				
460-00-4	P-Bromofluorobenzene		93%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 03/27/08
Received Date: 03/28/08
Extraction Date:
Analysis Date: 28-MAR-2008 20:03
Report Date: 04/02/2008
Matrix: WATER
% Solids: NA

Lab ID: SB1567-12
Client ID: AWD-SW-DUP1
SDG: CTO426-2
Extracted by:
Extraction Method: SW846 5030
Analyst: HCG
Analysis Method: SW846 8260B
Lab Prep Batch: WG49763
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
1634-04-4	Methyl tert-butyl ether	U	1	1.0	1	1	0.6
71-43-2	Benzene	U	1	1.0	1	1	0.4
108-88-3	Toluene	U	1	1.0	1	1	0.3
100-41-4	Ethylbenzene	U	1	1.0	1	1	0.4
1330-20-7	Xylenes (total)	U	3	1.0	3	3	0.4
	m+p-Xylenes	U	2	1.0	2	2	1.0
95-47-6	o-Xylene	U	1	1.0	1	1	0.4
98-82-8	Isopropylbenzene	J	0.6	1.0	1	1	0.5
91-20-3	Naphthalene	U	1	1.0	1	1	0.4
1868-53-7	Dibromofluoromethane		88%				
17060-07-0	1,2-Dichloroethane-D4		84%				
2037-26-5	Toluene-D8		92%				
460-00-4	P-Bromofluorobenzene		93%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 03/27/08
Received Date: 03/28/08
Extraction Date:
Analysis Date: 28-MAR-2008 20:35
Report Date: 04/02/2008
Matrix: WATER
% Solids: NA

Lab ID: SB1567-13
Client ID: AWDGWMW40420080327
SDG: CTO426-2
Extracted by:
Extraction Method: SW846 5030
Analyst: HCG
Analysis Method: SW846 8260B
Lab Prep Batch: WG49763
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
1634-04-4	Methyl tert-butyl ether	U	1	1.0	1	1	0.6
71-43-2	Benzene	U	1	1.0	1	1	0.4
108-88-3	Toluene	U	1	1.0	1	1	0.3
100-41-4	Ethylbenzene		5	1.0	1	1	0.4
1330-20-7	Xylenes (total)	U	3	1.0	3	3	0.4
	m+p-Xylenes	U	2	1.0	2	2	1.0
95-47-6	o-Xylene	U	1	1.0	1	1	0.4
98-82-8	Isopropylbenzene		4	1.0	1	1	0.5
91-20-3	Naphthalene		2	1.0	1	1	0.4
1868-53-7	Dibromofluoromethane		86%				
17060-07-0	1,2-Dichloroethane-D4		85%				
2037-26-5	Toluene-D8		90%				
460-00-4	P-Bromofluorobenzene		91%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 03/27/08
Received Date: 03/29/08
Extraction Date:
Analysis Date: 01-APR-2008 15:41
Report Date: 04/02/2008
Matrix: WATER
% Solids: NA

Lab ID: SB1568-1
Client ID: AWD-SW-TB3
SDG: CTO426-2
Extracted by:
Extraction Method: SW846 5030
Analyst: HCG
Analysis Method: SW846 8260B
Lab Prep Batch: WG49847
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
1634-04-4	Methyl tert-butyl ether	U	1	1.0	1	1	0.6
71-43-2	Benzene	U	1	1.0	1	1	0.4
108-88-3	Toluene	U	1	1.0	1	1	0.3
100-41-4	Ethylbenzene	U	1	1.0	1	1	0.4
1330-20-7	Xylenes (total)	U	3	1.0	3	3	0.4
	m+p-Xylenes	U	2	1.0	2	2	1.0
95-47-6	o-Xylene	U	1	1.0	1	1	0.4
98-82-8	Isopropylbenzene	U	1	1.0	1	1	0.5
91-20-3	Naphthalene	U	1	1.0	1	1	0.4
1868-53-7	Dibromofluoromethane		88%				
17060-07-0	1,2-Dichloroethane-D4		91%				
2037-26-5	Toluene-D8		95%				
460-00-4	P-Bromofluorobenzene		93%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 03/27/08
Received Date: 03/29/08
Extraction Date:
Analysis Date: 01-APR-2008 17:48
Report Date: 04/02/2008
Matrix: WATER
% Solids: NA

Lab ID: SB1568-2
Client ID: AWDSWPZ203A20080327
SDG: CTO426-2
Extracted by:
Extraction Method: SW846 5030
Analyst: HCG
Analysis Method: SW846 8260B
Lab Prep Batch: WG49847
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
1634-04-4	Methyl tert-butyl ether	U	1	1.0	1	1	0.6
71-43-2	Benzene	U	1	1.0	1	1	0.4
108-88-3	Toluene	U	1	1.0	1	1	0.3
100-41-4	Ethylbenzene	U	1	1.0	1	1	0.4
1330-20-7	Xylenes (total)	U	3	1.0	3	3	0.4
	m+p-Xylenes	U	2	1.0	2	2	1.0
95-47-6	o-Xylene	U	1	1.0	1	1	0.4
98-82-8	Isopropylbenzene	U	1	1.0	1	1	0.5
91-20-3	Naphthalene	U	1	1.0	1	1	0.4
1868-53-7	Dibromofluoromethane		89%				
17060-07-0	1,2-Dichloroethane-D4		94%				
2037-26-5	Toluene-D8		96%				
460-00-4	P-Bromofluorobenzene		93%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client:
Project: CTO 426 NLON
PO No:
Sample Date:
Received Date:
Extraction Date:
Analysis Date: 27-MAR-2008 11:57
Report Date: 04/02/2008
Matrix: WATER
% Solids: NA

Lab ID: WG49739-2
Client ID: WG49739-Blank
SDG: CTO426-2
Extracted by:
Extraction Method: SW846 5030
Analyst: HCG
Analysis Method: SW846 8260B
Lab Prep Batch: WG49739
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
1634-04-4	Methyl tert-butyl ether	U	1	1.0	1	1	0.6
71-43-2	Benzene	U	1	1.0	1	1	0.4
108-88-3	Toluene	U	1	1.0	1	1	0.3
100-41-4	Ethylbenzene	U	1	1.0	1	1	0.4
1330-20-7	Xylenes (total)	U	3	1.0	3	3	0.4
	m+p-Xylenes	U	2	1.0	2	2	1.0
95-47-6	o-Xylene	U	1	1.0	1	1	0.4
98-82-8	Isopropylbenzene	U	1	1.0	1	1	0.5
91-20-3	Naphthalene	U	1	1.0	1	1	0.4
1868-53-7	Dibromofluoromethane		89%				
17060-07-0	1,2-Dichloroethane-D4		86%				
2037-26-5	Toluene-D8		93%				
460-00-4	P-Bromofluorobenzene		92%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client:
Project: CTO 426 NLON
PO No:
Sample Date:
Received Date:
Extraction Date:
Analysis Date: 28-MAR-2008 13:19
Report Date: 04/02/2008
Matrix: WATER
% Solids: NA

Lab ID: WG49763-2
Client ID: WG49763-Blank
SDG: CTO426-2
Extracted by:
Extraction Method: SW846 5030
Analyst: HCG
Analysis Method: SW846 8260B
Lab Prep Batch: WG49763
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
1634-04-4	Methyl tert-butyl ether	U	1	1.0	1	1	0.6
71-43-2	Benzene	U	1	1.0	1	1	0.4
108-88-3	Toluene	U	1	1.0	1	1	0.3
100-41-4	Ethylbenzene	U	1	1.0	1	1	0.4
1330-20-7	Xylenes (total)	U	3	1.0	3	3	0.4
	m+p-Xylenes	U	2	1.0	2	2	1.0
95-47-6	o-Xylene	U	1	1.0	1	1	0.4
98-82-8	Isopropylbenzene	U	1	1.0	1	1	0.5
91-20-3	Naphthalene	U	1	1.0	1	1	0.4
1868-53-7	Dibromofluoromethane		86%				
17060-07-0	1,2-Dichloroethane-D4		84%				
2037-26-5	Toluene-D8		92%				
460-00-4	P-Bromofluorobenzene		90%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client:
Project: CTO 426 NLON
PO No:
Sample Date:
Received Date:
Extraction Date:
Analysis Date: 01-APR-2008 14:16
Report Date: 04/02/2008
Matrix: WATER
% Solids: NA

Lab ID: WG49847-2
Client ID: WG49847-Blank
SDG: CTO426-2
Extracted by:
Extraction Method: SW846 5030
Analyst: HCG
Analysis Method: SW846 8260B
Lab Prep Batch: WG49847
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
1634-04-4	Methyl tert-butyl ether	U	1	1.0	1	1	0.6
71-43-2	Benzene	U	1	1.0	1	1	0.4
108-88-3	Toluene	U	1	1.0	1	1	0.3
100-41-4	Ethylbenzene	U	1	1.0	1	1	0.4
1330-20-7	Xylenes (total)	U	3	1.0	3	3	0.4
	m+p-Xylenes	U	2	1.0	2	2	1.0
95-47-6	o-Xylene	U	1	1.0	1	1	0.4
98-82-8	Isopropylbenzene	U	1	1.0	1	1	0.5
91-20-3	Naphthalene	U	1	1.0	1	1	0.4
1868-53-7	Dibromofluoromethane		86%				
17060-07-0	1,2-Dichloroethane-D4		89%				
2037-26-5	Toluene-D8		95%				
460-00-4	P-Bromofluorobenzene		94%				

FORM 2
WATER VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 426 NLON SDG No.: CTO426-2

	CLIENT SAMPLE ID	LAB SAMPLE ID	SMC1 DBF#	SMC2 DCA#	SMC3 TOL#	SMC4 BFB#	TOT OUT
01	WG49739-LCS	WG49739-1	87	83	92	91	0
02	WG49739-BLANK	WG49739-2	89	86	93	92	0
03	AWD-GW-TB1	SB1520-1	88	87	93	92	0
04	DGWMW10120080324	SB1520-2	92	91	93	92	0
05	AWDGWMW10220080324	SB1520-3	92	91	94	93	0
06	AWDGWMW10320080325	SB1520-4	94	93	95	94	0
07	AWDGWMW10420080325	SB1520-5	94	93	94	93	0
08	AWDGWMW20120080325	SB1520-6	93	95	95	92	0
09	AWDGWMW1420080325	SB1520-7	96	95	95	96	0
10	AWDGWMW20220080325	SB1520-8	94	96	95	96	0
11	AWDGWMW30420080325	SB1520-9	94	94	95	94	0
12	DGWMW10120080324MS	WG49739-3	93	92	95	95	0
13	DGWMW10120080324MSD	WG49739-4	93	90	94	96	0
14	WG49763-LCS	WG49763-1	89	84	93	93	0
15	WG49763-BLANK	WG49763-2	86	84	92	90	0
16	AWD-GW-TB2	SB1567-1	88	86	93	92	0
17	AWDGWMW30520080325	SB1567-2	89	88	95	94	0
18	AWDGWMW30120080326	SB1567-3	92	91	95	95	0
19	AWDGWMW40120080326	SB1567-4	90	90	93	93	0
20	AWDGWMW30220080326	SB1567-5	93	93	95	95	0
21	AWDGWMW30320080326	SB1567-6	95	94	95	96	0
22	AWDGWMW40220080326	SB1567-7	90	86	94	94	0
23	AWD-GW-DUP2	SB1567-8	88	85	92	93	0
24	AWDGWMW40320080327	SB1567-9	88	84	92	92	0
25	AWD-GW-DUP1	SB1567-10	89	85	93	93	0
26	AWDSWSW120080327	SB1567-11	88	86	93	93	0
27	AWD-SW-DUP1	SB1567-12	88	84	92	93	0
28	AWDGWMW40420080327	SB1567-13	86	85	90	91	0

		QC LIMITS
SMC1 (DBF)	= Dibromofluoromethane	(76-114)
SMC2 (DCA)	= 1,2-Dichloroethane-D4	(71-128)
SMC3 (TOL)	= Toluene-D8	(74-117)
SMC4 (BFB)	= P-Bromofluorobenzene	(67-127)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D System Monitoring Compound diluted out

FORM 2
WATER VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 426 NLON SDG No.: CTO426-2

	CLIENT SAMPLE ID	LAB SAMPLE ID	SMC1 DBF#	SMC2 DCA#	SMC3 TOL#	SMC4 BFB#	TOT OUT
01	WG49847-LCS	WG49847-1	86	84	93	93	0
02	WG49847-BLANK	WG49847-2	86	89	95	94	0
03	AWD-SW-TB3	SB1568-1	88	91	95	93	0
04	AWDSWPZ203A20080327	SB1568-2	89	94	96	93	0
05							
06							
07							
08							
09							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							
23							
24							
25							
26							
27							
28							

		QC LIMITS
SMC1 (DBF)	= Dibromofluoromethane	(76-114)
SMC2 (DCA)	= 1,2-Dichloroethane-D4	(71-128)
SMC3 (TOL)	= Toluene-D8	(74-117)
SMC4 (BFB)	= P-Bromofluorobenzene	(67-127)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D System Monitoring Compound diluted out

KATAHDIN ANALYTICAL SERVICES
LAB CONTROL SAMPLE

Client:
Project: CTO 426 NLON
PO No:
Sample Date:
Received Date:
Extraction Date:
Analysis Date: 03/27/08
Report Date: 04/02/2008
Matrix: WATER

Lab ID: WG49739-1
Client ID: WG49739-LCS
SDG: CTO426-2
Extracted by:
Extraction Method: SW846 5030
Analyst: HCG
Analysis Method: SW846 8260B
Lab Prep Batch: WG49739
Units: ug/l

COMPOUND	LCS SPIKE	SAMPLE CONC.	LCS CONC.		%REC.	QC. LIMITS
Dichlorodifluoromethane	50	NA	64		127	20-143
Chloromethane	50	NA	54		108	34-132
Vinyl chloride	50	NA	50		101	48-136
Bromomethane	50	NA	49		97	52-129
Chloroethane	50	NA	41		82	43-146
Trichlorofluoromethane	50	NA	60		121	62-157
Diethyl Ether	50	NA	50		100	74-141
Tertiary-butyl alcohol	250	NA	242		97	10-152
1,1-Dichloroethene	50	NA	49		98	64-126
Carbon Disulfide	50	NA	54		108	59-136
Freon-113	50	NA	53		106	78-140
Iodomethane	50	NA	55	*	109	54-107
Acrolein	250	NA	239		96	42-156
Methylene Chloride	50	NA	46		92	63-122
Acetone	50	NA	57		113	15-160
Isobutyl Alcohol	1000	NA	982		98	10-169
trans-1,2-Dichloroethene	50	NA	49		99	65-128
Allyl Chloride	50	NA	44		87	64-150
Methyl tert-butyl ether	100	NA	109		109	71-140
Acetonitrile	500	NA	444		89	40-164
Di-isopropyl ether	50	NA	50		100	77-135
Chloroprene	50	NA	50		99	82-133
Methacrylonitrile	500	NA	481		96	69-146
Propionitrile	500	NA	483		97	51-161
1,1-Dichloroethane	50	NA	50		99	74-135
Acrylonitrile	250	NA	242		97	67-144
Ethyl tertiary-butyl ether	50	NA	51		101	79-136
Vinyl Acetate	50	NA	52		104	57-139
cis-1,2-Dichloroethene	50	NA	49		98	75-117
1,2-Dichloroethylene (total)	100	NA	98		98	72-121
Methyl Methacrylate	50	NA	52		105	71-136
2,2-Dichloropropane	50	NA	47		94	55-140
Bromochloromethane	50	NA	28	*	56	80-132
Chloroform	50	NA	50		100	80-125
Carbon Tetrachloride	50	NA	48		96	76-123
Tetrahydrofuran	50	NA	50		99	38-157
1,1,1-Trichloroethane	50	NA	50		101	79-125
1,1-Dichloropropene	50	NA	52		105	80-125
2-Butanone	50	NA	46		93	45-184
Benzene	50	NA	52		104	71-125
Cyclohexane	50	NA	56		111	57-128
Ethyl Methacrylate	50	NA	55		110	73-134
Tertiary-amyl methyl ether	50	NA	51		101	78-133
1,2-Dichloroethane	50	NA	52		104	75-125
Trichloroethene	50	NA	50		99	78-118

KATAHDIN ANALYTICAL SERVICES
LAB CONTROL SAMPLE

Client:
Project: CTO 426 NLON
PO No:
Sample Date:
Received Date:
Extraction Date:
Analysis Date: 03/27/08
Report Date: 04/02/2008
Matrix: WATER

Lab ID: WG49739-1
Client ID: WG49739-LCS
SDG: CTO426-2
Extracted by:
Extraction Method: SW846 5030
Analyst: HCG
Analysis Method: SW846 8260B
Lab Prep Batch: WG49739
Units: ug/l

COMPOUND	LCS SPIKE	SAMPLE CONC.	LCS CONC.	%REC.	QC. LIMITS
Dibromomethane	50	NA	50	101	73-125
1,2-Dichloropropane	50	NA	51	102	78-127
Bromodichloromethane	50	NA	53	106	76-118
cis-1,3-dichloropropene	50	NA	54	108	84-125
1,4-Dioxane	1000	NA	931	93	10-178
2-Chloroethylvinylether	50	NA	69	138	20-191
Toluene	50	NA	53	105	79-118
4-methyl-2-pentanone	50	NA	53	106	44-157
Tetrachloroethene	50	NA	55	110	71-137
trans-1,3-Dichloropropene	50	NA	58	115	89-137
1,1,2-Trichloroethane	50	NA	50	100	76-125
Dibromochloromethane	50	NA	55	111	77-119
1,3-Dichloropropane	50	NA	51	103	79-122
1,2-Dibromoethane	50	NA	52	104	78-124
2-Hexanone	50	NA	52	105	27-182
Chlorobenzene	50	NA	53	106	81-118
Ethylbenzene	50	NA	52	104	80-115
1,1,1,2-Tetrachloroethane	50	NA	54	108	79-118
Xylenes (total)	150	NA	161	107	85-114
m+p-Xylenes	100	NA	106	106	87-113
o-Xylene	50	NA	55	110	80-118
Styrene	50	NA	55	110	81-116
Bromoform	50	NA	55	111	69-129
Isopropylbenzene	50	NA	59	118	87-129
cis-1,4-Dichloro-2-Butene	50	NA	53	106	60-133
trans-1,4-Dichloro-2-Butene	50	NA	53	106	67-134
Bromobenzene	50	NA	51	103	83-112
N-Propylbenzene	50	NA	50	99	79-121
1,1,2,2-Tetrachloroethane	50	NA	52	103	68-133
1,3,5-Trimethylbenzene	50	NA	53	106	80-117
2-Chlorotoluene	50	NA	52	104	86-113
1,2,3-Trichloropropane	50	NA	51	102	63-133
4-Chlorotoluene	50	NA	53	107	84-117
tert-Butylbenzene	50	NA	52	104	78-122
Pentachloroethane	50	NA	51	101	64-135
1,2,4-Trimethylbenzene	50	NA	53	106	78-116
P-Isopropyltoluene	50	NA	56	112	79-123
1,3-Dichlorobenzene	50	NA	52	103	86-111
1,4-Dichlorobenzene	50	NA	58	116	78-118
N-Butylbenzene	50	NA	54	107	76-119
sec-Butylbenzene	50	NA	53	105	77-121
1,2-Dichlorobenzene	50	NA	52	105	86-113
1,2-Dibromo-3-Chloropropane	50	NA	39	77	63-133
1,3,5-Trichlorobenzene	50	NA	52	105	84-118
Hexachlorobutadiene	50	NA	53	106	70-114

KATAHDIN ANALYTICAL SERVICES
LAB CONTROL SAMPLE

Client:
Project: CTO 426 NLON
PO No:
Sample Date:
Received Date:
Extraction Date:
Analysis Date: 03/27/08
Report Date: 04/02/2008
Matrix: WATER

Lab ID: WG49739-1
Client ID: WG49739-LCS
SDG: CTO426-2
Extracted by:
Extraction Method: SW846 5030
Analyst: HCG
Analysis Method: SW846 8260B
Lab Prep Batch: WG49739
Units: ug/l

COMPOUND	LCS SPIKE	SAMPLE CONC.	LCS CONC.	%REC.	QC. LIMITS
1,2,4-Trichlorobenzene	50	NA	54	108	74-116
1,2,3-Trimethylbenzene	50	NA	53	106	85-124
Naphthalene	50	NA	55	111	64-121
1,2,3-Trichlorobenzene	50	NA	55	109	73-117
Methyl Acetate	50	NA	49	99	52-142
Methylcyclohexane	50	NA	51	103	83-125
1-Chlorohexane	50	NA	50	100	78-128
Total Alkylbenzenes	350	NA	369	105	60-140

KATAHDIN ANALYTICAL SERVICES
LAB CONTROL SAMPLE

Client:
Project: CTO 426 NLON
PO No:
Sample Date:
Received Date:
Extraction Date:
Analysis Date: 03/28/08
Report Date: 04/02/2008
Matrix: WATER

Lab ID: WG49763-1
Client ID: WG49763-LCS
SDG: CTO426-2
Extracted by:
Extraction Method: SW846 5030
Analyst: HCG
Analysis Method: SW846 8260B
Lab Prep Batch: WG49763
Units: ug/l

COMPOUND	LCS SPIKE	SAMPLE CONC.	LCS CONC.		%REC.	QC. LIMITS
Dichlorodifluoromethane	50	NA	63		125	20-143
Chloromethane	50	NA	58		115	34-132
Vinyl chloride	50	NA	52		103	48-136
Bromomethane	50	NA	52		105	52-129
Chloroethane	50	NA	52		103	43-146
Trichlorofluoromethane	50	NA	60		121	62-157
Diethyl Ether	50	NA	50		100	74-141
Tertiary-butyl alcohol	250	NA	224		90	10-152
1,1-Dichloroethene	50	NA	52		103	64-126
Carbon Disulfide	50	NA	57		113	59-136
Freon-113	50	NA	51		103	78-140
Iodomethane	50	NA	50		99	54-107
Acrolein	250	NA	231		92	42-156
Methylene Chloride	50	NA	48		97	63-122
Acetone	50	NA	63		126	15-160
Isobutyl Alcohol	1000	NA	893		89	10-169
trans-1,2-Dichloroethene	50	NA	50		100	65-128
Allyl Chloride	50	NA	42		84	64-150
Methyl tert-butyl ether	100	NA	103		103	71-140
Acetonitrile	500	NA	450		90	40-164
Di-isopropyl ether	50	NA	52		105	77-135
Chloroprene	50	NA	50		99	82-133
Methacrylonitrile	500	NA	488		98	69-146
Propionitrile	500	NA	474		95	51-161
1,1-Dichloroethane	50	NA	52		104	74-135
Acrylonitrile	250	NA	237		95	67-144
Ethyl tertiary-butyl ether	50	NA	50		100	79-136
Vinyl Acetate	50	NA	53		106	57-139
cis-1,2-Dichloroethene	50	NA	50		101	75-117
1,2-Dichloroethylene (total)	100	NA	100		100	72-121
Methyl Methacrylate	50	NA	51		102	71-136
2,2-Dichloropropane	50	NA	44		88	55-140
Bromochloromethane	50	NA	28	*	55	80-132
Chloroform	50	NA	52		103	80-125
Carbon Tetrachloride	50	NA	44		89	76-123
Tetrahydrofuran	50	NA	49		99	38-157
1,1,1-Trichloroethane	50	NA	51		103	79-125
1,1-Dichloropropene	50	NA	53		106	80-125
2-Butanone	50	NA	47		94	45-184
Benzene	50	NA	54		107	71-125
Cyclohexane	50	NA	60		120	57-128
Ethyl Methacrylate	50	NA	53		105	73-134
Tertiary-amyl methyl ether	50	NA	50		100	78-133
1,2-Dichloroethane	50	NA	52		103	75-125
Trichloroethene	50	NA	51		102	78-118

KATAHDIN ANALYTICAL SERVICES
LAB CONTROL SAMPLE

Client:
Project: CTO 426 NLON
PO No:
Sample Date:
Received Date:
Extraction Date:
Analysis Date: 03/28/08
Report Date: 04/02/2008
Matrix: WATER

Lab ID: WG49763-1
Client ID: WG49763-LCS
SDG: CTO426-2
Extracted by:
Extraction Method: SW846 5030
Analyst: HCG
Analysis Method: SW846 8260B
Lab Prep Batch: WG49763
Units: ug/l

COMPOUND	LCS SPIKE	SAMPLE CONC.	LCS CONC.	%REC.	QC. LIMITS
Dibromomethane	50	NA	49	99	73-125
1,2-Dichloropropane	50	NA	54	108	78-127
Bromodichloromethane	50	NA	53	105	76-118
cis-1,3-dichloropropene	50	NA	54	109	84-125
1,4-Dioxane	1000	NA	777	78	10-178
2-Chloroethylvinylether	50	NA	61	121	20-191
Toluene	50	NA	54	107	79-118
4-methyl-2-pentanone	50	NA	52	104	44-157
Tetrachloroethene	50	NA	52	104	71-137
trans-1,3-Dichloropropene	50	NA	57	114	89-137
1,1,2-Trichloroethane	50	NA	51	102	76-125
Dibromochloromethane	50	NA	53	106	77-119
1,3-Dichloropropane	50	NA	52	103	79-122
1,2-Dibromoethane	50	NA	51	101	78-124
2-Hexanone	50	NA	51	102	27-182
Chlorobenzene	50	NA	53	105	81-118
Ethylbenzene	50	NA	52	104	80-115
1,1,1,2-Tetrachloroethane	50	NA	52	105	79-118
Xylenes (total)	150	NA	161	107	85-114
m+p-Xylenes	100	NA	107	107	87-113
o-Xylene	50	NA	54	109	80-118
Styrene	50	NA	55	110	81-116
Bromoform	50	NA	52	103	69-129
Isopropylbenzene	50	NA	60	121	87-129
cis-1,4-Dichloro-2-Butene	50	NA	51	102	60-133
trans-1,4-Dichloro-2-Butene	50	NA	50	100	67-134
Bromobenzene	50	NA	51	101	83-112
N-Propylbenzene	50	NA	51	103	79-121
1,1,2,2-Tetrachloroethane	50	NA	52	103	68-133
1,3,5-Trimethylbenzene	50	NA	53	107	80-117
2-Chlorotoluene	50	NA	54	108	86-113
1,2,3-Trichloropropane	50	NA	51	102	63-133
4-Chlorotoluene	50	NA	55	110	84-117
tert-Butylbenzene	50	NA	52	105	78-122
Pentachloroethane	50	NA	48	96	64-135
1,2,4-Trimethylbenzene	50	NA	54	107	78-116
P-Isopropyltoluene	50	NA	56	112	79-123
1,3-Dichlorobenzene	50	NA	51	102	86-111
1,4-Dichlorobenzene	50	NA	57	115	78-118
N-Butylbenzene	50	NA	54	109	76-119
sec-Butylbenzene	50	NA	54	108	77-121
1,2-Dichlorobenzene	50	NA	52	104	86-113
1,2-Dibromo-3-Chloropropane	50	NA	38	76	63-133
1,3,5-Trichlorobenzene	50	NA	48	97	84-118
Hexachlorobutadiene	50	NA	48	97	70-114

KATAHDIN ANALYTICAL SERVICES
LAB CONTROL SAMPLE

Client:
Project: CTO 426 NLON
PO No:
Sample Date:
Received Date:
Extraction Date:
Analysis Date: 03/28/08
Report Date: 04/02/2008
Matrix: WATER

Lab ID: WG49763-1
Client ID: WG49763-LCS
SDG: CTO426-2
Extracted by:
Extraction Method: SW846 5030
Analyst: HCG
Analysis Method: SW846 8260B
Lab Prep Batch: WG49763
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	52	105	85-124
Naphthalene	50	NA	52	104	64-121
1,2,3-Trichlorobenzene	50	NA	51	101	73-117
Methyl Acetate	50	NA	50	100	52-142
Methylcyclohexane	50	NA	53	106	83-125
1-Chlorohexane	50	NA	52	104	78-128
Total Alkylbenzenes	350	NA	375	107	60-140

KATAHDIN ANALYTICAL SERVICES
LAB CONTROL SAMPLE

Client:
Project: CTO 426 NLON
PO No:
Sample Date:
Received Date:
Extraction Date:
Analysis Date: 04/01/08
Report Date: 04/02/2008
Matrix: WATER

Lab ID: WG49847-1
Client ID: WG49847-LCS
SDG: CTO426-2
Extracted by:
Extraction Method: SW846 5030
Analyst: HCG
Analysis Method: SW846 8260B
Lab Prep Batch: WG49847
Units: ug/l

COMPOUND	LCS SPIKE	SAMPLE CONC.	LCS CONC.		%REC.	QC. LIMITS
Dichlorodifluoromethane	50	NA	56		111	20-143
Chloromethane	50	NA	52		105	34-132
Vinyl chloride	50	NA	47		94	48-136
Bromomethane	50	NA	44		87	52-129
Chloroethane	50	NA	36		73	43-146
Trichlorofluoromethane	50	NA	53		107	62-157
Diethyl Ether	50	NA	54		107	74-141
Tertiary-butyl alcohol	250	NA	250		100	10-152
1,1-Dichloroethene	50	NA	45		89	64-126
Carbon Disulfide	50	NA	58		116	59-136
Freon-113	50	NA	51		102	78-140
Iodomethane	50	NA	62	*	125	54-107
Acrolein	250	NA	279		112	42-156
Methylene Chloride	50	NA	45		90	63-122
Acetone	50	NA	56		112	15-160
Isobutyl Alcohol	1000	NA	1150		115	10-169
trans-1,2-Dichloroethene	50	NA	45		89	65-128
Allyl Chloride	50	NA	51		102	64-150
Methyl tert-butyl ether	100	NA	109		109	71-140
Acetonitrile	500	NA	495		99	40-164
Di-isopropyl ether	50	NA	54		108	77-135
Chloroprene	50	NA	50		100	82-133
Methacrylonitrile	500	NA	542		108	69-146
Propionitrile	500	NA	545		109	51-161
1,1-Dichloroethane	50	NA	47		95	74-135
Acrylonitrile	250	NA	268		107	67-144
Ethyl tertiary-butyl ether	50	NA	52		104	79-136
Vinyl Acetate	50	NA	59		119	57-139
cis-1,2-Dichloroethene	50	NA	46		92	75-117
1,2-Dichloroethylene (total)	100	NA	90		90	72-121
Methyl Methacrylate	50	NA	59		118	71-136
2,2-Dichloropropane	50	NA	45		90	55-140
Bromochloromethane	50	NA	25	*	51	80-132
Chloroform	50	NA	47		94	80-125
Carbon Tetrachloride	50	NA	45		91	76-123
Tetrahydrofuran	50	NA	53		106	38-157
1,1,1-Trichloroethane	50	NA	45		90	79-125
1,1-Dichloropropene	50	NA	49		98	80-125
2-Butanone	50	NA	52		103	45-184
Benzene	50	NA	51		102	71-125
Cyclohexane	50	NA	52		105	57-128
Ethyl Methacrylate	50	NA	59		118	73-134
Tertiary-amyl methyl ether	50	NA	53		107	78-133
1,2-Dichloroethane	50	NA	49		98	75-125
Trichloroethene	50	NA	45		90	78-118

KATAHDIN ANALYTICAL SERVICES
LAB CONTROL SAMPLE

Client:
Project: CTO 426 NLON
PO No:
Sample Date:
Received Date:
Extraction Date:
Analysis Date: 04/01/08
Report Date: 04/02/2008
Matrix: WATER

Lab ID: WG49847-1
Client ID: WG49847-LCS
SDG: CTO426-2
Extracted by:
Extraction Method: SW846 5030
Analyst: HCG
Analysis Method: SW846 8260B
Lab Prep Batch: WG49847
Units: ug/l

COMPOUND	LCS SPIKE	SAMPLE CONC.	LCS CONC.	%REC.	QC. LIMITS
Dibromomethane	50	NA	48	97	73-125
1,2-Dichloropropane	50	NA	51	101	78-127
Bromodichloromethane	50	NA	50	101	76-118
cis-1,3-dichloropropene	50	NA	53	106	84-125
1,4-Dioxane	1000	NA	856	86	10-178
2-Chloroethylvinylether	50	NA	50	100	20-191
Toluene	50	NA	50	100	79-118
4-methyl-2-pentanone	50	NA	57	115	44-157
Tetrachloroethene	50	NA	48	96	71-137
trans-1,3-Dichloropropene	50	NA	57	114	89-137
1,1,2-Trichloroethane	50	NA	50	99	76-125
Dibromochloromethane	50	NA	51	102	77-119
1,3-Dichloropropane	50	NA	51	102	79-122
1,2-Dibromoethane	50	NA	49	98	78-124
2-Hexanone	50	NA	57	113	27-182
Chlorobenzene	50	NA	50	100	81-118
Ethylbenzene	50	NA	49	97	80-115
1,1,1,2-Tetrachloroethane	50	NA	51	102	79-118
Xylenes (total)	150	NA	151	101	85-114
m+p-Xylenes	100	NA	100	100	87-113
o-Xylene	50	NA	51	102	80-118
Styrene	50	NA	51	103	81-116
Bromoform	50	NA	51	102	69-129
Isopropylbenzene	50	NA	56	112	87-129
cis-1,4-Dichloro-2-Butene	50	NA	62	124	60-133
trans-1,4-Dichloro-2-Butene	50	NA	61	122	67-134
Bromobenzene	50	NA	48	96	83-112
N-Propylbenzene	50	NA	48	96	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	51	101	86-113
1,2,3-Trichloropropane	50	NA	50	100	63-133
4-Chlorotoluene	50	NA	52	104	84-117
tert-Butylbenzene	50	NA	49	98	78-122
Pentachloroethane	50	NA	50	101	64-135
1,2,4-Trimethylbenzene	50	NA	50	101	78-116
P-Isopropyltoluene	50	NA	52	104	79-123
1,3-Dichlorobenzene	50	NA	48	96	86-111
1,4-Dichlorobenzene	50	NA	54	108	78-118
N-Butylbenzene	50	NA	52	103	76-119
sec-Butylbenzene	50	NA	50	99	77-121
1,2-Dichlorobenzene	50	NA	49	98	86-113
1,2-Dibromo-3-Chloropropane	50	NA	42	84	63-133
1,3,5-Trichlorobenzene	50	NA	51	102	84-118
Hexachlorobutadiene	50	NA	44	88	70-114

KATAHDIN ANALYTICAL SERVICES
LAB CONTROL SAMPLE

Client:
Project: CTO 426 NLON
PO No:
Sample Date:
Received Date:
Extraction Date:
Analysis Date: 04/01/08
Report Date: 04/02/2008
Matrix: WATER

Lab ID: WG49847-1
Client ID: WG49847-LCS
SDG: CTO426-2
Extracted by:
Extraction Method: SW846 5030
Analyst: HCG
Analysis Method: SW846 8260B
Lab Prep Batch: WG49847
Units: ug/l

COMPOUND	LCS SPIKE	SAMPLE CONC.	LCS CONC.	%REC.	QC. LIMITS
1,2,4-Trichlorobenzene	50	NA	48	97	74-116
1,2,3-Trimethylbenzene	50	NA	54	108	85-124
Naphthalene	50	NA	55	110	64-121
1,2,3-Trichlorobenzene	50	NA	49	98	73-117
Methyl Acetate	50	NA	53	106	52-142
Methylcyclohexane	50	NA	53	107	83-125
1-Chlorohexane	50	NA	46	93	78-128
Total Alkylbenzenes	350	NA	350	100	60-140

KATAHDIN ANALYTICAL SERVICES
MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 03/24/08
Received Date: 03/26/08
Extraction Date:
Analysis Date: 03/27/08
Report Date: 04/02/2008
Matrix: WATER

Lab ID: WG49739-3 & WG49739-4
Client ID: DGWMW10120080324MS & DGWMW10120080324MSD
SDG: CTO426-2
Extracted by:
Extraction Method: SW846 5030
Analyst: HCG
Analysis Method: SW846 8260B
Lab Prep Batch: WG49739
Units: ug/l

COMPOUND	MS SPIKE	MSD SPIKE	SAMPLE CONC.	MS CONC.	MSD CONC.	MS %REC.	MSD %REC.	%RPD	%RPD LIMIT	QC. LIMITS
Methyl tert-butyl ether	100	100	0.00	125	119	125	119	5	20	71-140
Benzene	50	50	0.00	59	58	118	116	2	20	71-125
Toluene	50	50	0.00	58	57	115	113	1	20	79-118
Ethylbenzene	50	50	0.00	55	54	110	109	0.7	20	80-115
Xylenes (total)	150	150	0.00	167	166	111	111	0.6	20	85-114
m+p-Xylenes	100	100	0.00	111	110	111	110	0.9	20	87-113
o-Xylene	50	50	0.00	56	56	112	113	0.4	20	80-118
Isopropylbenzene	50	50	0.00	63	64	127	128	0.6	20	87-129
Naphthalene	50	50	0.00	55	56	110	113	2	20	64-121

FORM III VOA-1

T9834.D & T9835.D

FORM 4
VOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE ID

WG49739-BLANK

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 426 NLON SDG No.: CTO426-2

Lab File ID: T9821 Lab Sample ID: WG49739-2

Date Analyzed: 03/27/08 Time Analyzed: 1157

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	WG49739-LCS	WG49739-1	T9818	03/27/08	0940
02	AWD-GW-TB1	SB1520-1	T9822	03/27/08	1229
03	DGWMW10120080324	SB1520-2	T9826	03/27/08	1436
04	AWDGWMW10220080324	SB1520-3	T9827	03/27/08	1508
05	AWDGWMW10320080325	SB1520-4	T9828	03/27/08	1540
06	AWDGWMW10420080325	SB1520-5	T9829	03/27/08	1612
07	AWDGWMW20120080325	SB1520-6	T9830	03/27/08	1644
08	AWDGWMW1420080325	SB1520-7	T9831	03/27/08	1716
09	AWDGWMW20220080325	SB1520-8	T9832	03/27/08	1748
10	AWDGWMW30420080325	SB1520-9	T9833	03/27/08	1820
11	DGWMW10120080324MS	WG49739-3	T9834	03/27/08	1852
12	DGWMW10120080324MSD	WG49739-4	T9835	03/27/08	1924
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COMMENTS:

FORM IVVOA

FORM 4
VOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE ID

WG49763-BLANK

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 426 NLON SDG No.: CTO426-2

Lab File ID: T9844 Lab Sample ID: WG49763-2

Date Analyzed: 03/28/08 Time Analyzed: 1319

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	WG49763-LCS	WG49763-1	T9842	03/28/08	1203
02	AWD-GW-TB2	SB1567-1	T9845	03/28/08	1413
03	AWDGWMW30520080325	SB1567-2	T9846	03/28/08	1445
04	AWDGWMW30120080326	SB1567-3	T9847	03/28/08	1517
05	AWDGWMW40120080326	SB1567-4	T9848	03/28/08	1548
06	AWDGWMW30220080326	SB1567-5	T9849	03/28/08	1620
07	AWDGWMW30320080326	SB1567-6	T9850	03/28/08	1652
08	AWDGWMW40220080326	SB1567-7	T9851	03/28/08	1724
09	AWD-GW-DUP2	SB1567-8	T9852	03/28/08	1756
10	AWDGWMW40320080327	SB1567-9	T9853	03/28/08	1828
11	AWD-GW-DUP1	SB1567-10	T9854	03/28/08	1900
12	AWDSWSW120080327	SB1567-11	T9855	03/28/08	1931
13	AWD-SW-DUP1	SB1567-12	T9856	03/28/08	2003
14	AWDGWMW40420080327	SB1567-13	T9857	03/28/08	2035
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COMMENTS:

FORM IVVOA

FORM 4
VOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE ID

WG49847-BLANK

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 426 NLON SDG No.: CTO426-2

Lab File ID: T9877 Lab Sample ID: WG49847-2

Date Analyzed: 04/01/08 Time Analyzed: 1416

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	WG49847-LCS	WG49847-1	T9875	04/01/08	1256
02	AWD-SW-TB3	SB1568-1	T9879	04/01/08	1541
03	AWDSWPZ203A20080327	SB1568-2	T9883	04/01/08	1748
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COMMENTS:

FORM IVVOA

FORM 5
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 426 NLON SDG No.: CTO426-2

Lab File ID: TB590 BFB Injection Date: 03/26/08

Instrument ID: GCMS-T BFB Injection Time: 0813

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	21.4
75	30.0 - 60.0% of mass 95	42.4
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	7.7
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	Greater than 50.0% of mass 95	76.2
175	5.0 - 9.0% of mass 174	6.0 (7.9)1
176	95.0 - 101.0% of mass 174	73.7 (96.7)1
177	5.0 - 9.0% of mass 176	4.7 (6.3)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01		VSTD200T26A	T9808	03/26/08	1117
02		VSTD100T26A	T9809	03/26/08	1148
03		VSTD050T26C	T9810	03/26/08	1220
04		VSTD020T26A	T9811	03/26/08	1252
05		VSTD005T26A	T9812	03/26/08	1324
06		VSTD001T26A	T9813	03/26/08	1356
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22					

FORM V VOA

FORM 5
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 426 NLON SDG No.: CTO426-2

Lab File ID: TB591 BFB Injection Date: 03/27/08

Instrument ID: GCMS-T BFB Injection Time: 0831

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	16.2
75	30.0 - 60.0% of mass 95	39.9
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.4
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	Greater than 50.0% of mass 95	99.4
175	5.0 - 9.0% of mass 174	7.6 (7.7)1
176	95.0 - 101.0% of mass 174	95.7 (96.3)1
177	5.0 - 9.0% of mass 176	7.5 (7.9)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01		VSTD050T27A	T9817	03/27/08	0855
02	WG49739-LCS	WG49739-1	T9818	03/27/08	0940
03	WG49739-BLANK	WG49739-2	T9821	03/27/08	1157
04	AWD-GW-TB1	SB1520-1	T9822	03/27/08	1229
05	DGWMW10120080324	SB1520-2	T9826	03/27/08	1436
06	AWDGWMW10220080324	SB1520-3	T9827	03/27/08	1508
07	AWDGWMW10320080325	SB1520-4	T9828	03/27/08	1540
08	AWDGWMW10420080325	SB1520-5	T9829	03/27/08	1612
09	AWDGWMW20120080325	SB1520-6	T9830	03/27/08	1644
10	AWDGWMW1420080325	SB1520-7	T9831	03/27/08	1716
11	AWDGWMW20220080325	SB1520-8	T9832	03/27/08	1748
12	AWDGWMW30420080325	SB1520-9	T9833	03/27/08	1820
13	DGWMW10120080324MS	WG49739-3	T9834	03/27/08	1852
14	DGWMW10120080324MSD	WG49739-4	T9835	03/27/08	1924
15					
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FORM V VOA

FORM 5
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 426 NLON SDG No.: CTO426-2

Lab File ID: TB592 BFB Injection Date: 03/28/08

Instrument ID: GCMS-T BFB Injection Time: 0912

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	22.8
75	30.0 - 60.0% of mass 95	44.0
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.5
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	Greater than 50.0% of mass 95	66.6
175	5.0 - 9.0% of mass 174	5.0 (7.5)1
176	95.0 - 101.0% of mass 174	67.1 (100.8)1
177	5.0 - 9.0% of mass 176	3.9 (5.8)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01		VSTD050T28A	T9838	03/28/08	0937
02	WG49763-LCS	WG49763-1	T9842	03/28/08	1203
03	WG49763-BLANK	WG49763-2	T9844	03/28/08	1319
04	AWD-GW-TB2	SB1567-1	T9845	03/28/08	1413
05	AWDGWMW30520080325	SB1567-2	T9846	03/28/08	1445
06	AWDGWMW30120080326	SB1567-3	T9847	03/28/08	1517
07	AWDGWMW40120080326	SB1567-4	T9848	03/28/08	1548
08	AWDGWMW30220080326	SB1567-5	T9849	03/28/08	1620
09	AWDGWMW30320080326	SB1567-6	T9850	03/28/08	1652
10	AWDGWMW40220080326	SB1567-7	T9851	03/28/08	1724
11	AWD-GW-DUP2	SB1567-8	T9852	03/28/08	1756
12	AWDGWMW40320080327	SB1567-9	T9853	03/28/08	1828
13	AWD-GW-DUP1	SB1567-10	T9854	03/28/08	1900
14	AWDSWSW120080327	SB1567-11	T9855	03/28/08	1931
15	AWD-SW-DUP1	SB1567-12	T9856	03/28/08	2003
16	AWDGWMW40420080327	SB1567-13	T9857	03/28/08	2035
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FORM V VOA

FORM 5
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 426 NLON SDG No.: CTO426-2

Lab File ID: TB594 BFB Injection Date: 04/01/08

Instrument ID: GCMS-T BFB Injection Time: 1115

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	19.4
75	30.0 - 60.0% of mass 95	40.8
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.5
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	Greater than 50.0% of mass 95	77.0
175	5.0 - 9.0% of mass 174	4.3 (5.6)1
176	95.0 - 101.0% of mass 174	74.3 (96.5)1
177	5.0 - 9.0% of mass 176	4.9 (6.6)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01		VSTD050T01A	T9874	04/01/08	1139
02	WG49847-LCS	WG49847-1	T9875	04/01/08	1256
03	WG49847-BLANK	WG49847-2	T9877	04/01/08	1416
04	AWD-SW-TB3	SB1568-1	T9879	04/01/08	1541
05	AWDSWPZ203A20080327	SB1568-2	T9883	04/01/08	1748
06					
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FORM V VOA

FORM 6
VOLATILE INITIAL CALIBRATION DATA

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project CTO 426 NLON SDG No.: CTO426-2

Instrument ID: GCMS-T Calibration Date(s): 03/26/08 03/26/08

Column: RTX-VMS ID: 0.18 (mm) Calibration Time(s): 1117 1356

LAB FILE ID: RF1: T9813 RF5: T9812 RF20: T9811
RF50: T9810 RF100: T9809 RF200: T9808

COMPOUND	RF1	RF5	RF20	RF50	RF100	RF200	CURVE	COEFF. A1	%RSD OR R^2	MAX %RSD OR R^2
Methyl tert-butyl ether	1.241	1.143	1.176	1.181	1.248	1.362	AVRG	1.22519786	6.387	15.000
Benzene	1.736	1.322	1.449	1.573	1.510	1.370	AVRG	1.49323896	10.031	15.000
Toluene	1.074	0.830	0.896	0.970	0.932	0.841	AVRG	0.92400516	9.827	15.000
Ethylbenzene	0.741	0.528	0.592	0.637	0.618	0.598	AVRG	0.61905316	11.340	15.000
Xylenes (total)							AVRG			0.000
m+p-Xylenes	0.888	0.681	0.739	0.786	0.721	0.643	AVRG	0.74322852	11.629	15.000
o-Xylene	0.764	0.640	0.706	0.772	0.755	0.738	AVRG	0.72921478	6.766	15.000
Isopropylbenzene	4.051	2.902	3.210	3.470	3.268	2.852	AVRG	3.29245079	13.309	15.000
Naphthalene	1.597	1.256	1.489	1.742	1.891	1.798	AVRG	1.62883773	14.263	15.000
Dibromofluoromethane	0.744	0.652	0.641	0.684	0.689	0.702	AVRG	0.68525476	5.348	15.000
1,2-Dichloroethane-D4	0.751	0.624	0.606	0.624	0.619	0.645	AVRG	0.64492100	8.284	15.000
Toluene-D8	1.404	1.310	1.252	1.292	1.231	1.076	AVRG	1.26077085	8.624	15.000
P-Bromofluorobenzene	0.600	0.495	0.482	0.516	0.498	0.465	AVRG	0.50947963	9.329	15.000

Average %RSD test result.

Calculate Average %RSD: 11.26573849
Maximum Average %RSD: 15.00000000

Note: Passes Average %RSD Test.

FORM VI VOA

FORM 7B
VOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 426 NLON SDG No.: CTO426-2

Instrument ID: GCMS-T Calibration Date: 03/27/08 Time: 0855

Lab File ID: T9817 Init. Calib. Date(s): 03/26/08 03/26/08

Init. Calib. Times: 1117 1356

GC Column: RTX-VMS ID: 0.18 (mm)

COMPOUND	RRF OR AMOUNT	RRF50.000 OR AMOUNT	MIN RRF	%D OR %DRIFT	MAX %D OR %DRIFT	CURV TYPE	
Methyl tert-butyl ether	1.2250000	1.1212000	0.01	-8.47		AVRG	
Benzene	1.4930000	1.4744000	0.01	-1.24		AVRG	
Toluene	0.9240000	0.9138600	0.01	-1.10	20.00	AVRG	
Ethylbenzene	0.6190000	0.6076900	0.01	-1.83	20.00	AVRG	
Xylenes (total)	0.0000000	0.7410800	0.01	0.00		AVRG	<-
m+p-Xylenes	0.7430000	0.7455300	0.01	0.34		AVRG	
o-Xylene	0.7290000	0.7321900	0.01	0.44		AVRG	
Isopropylbenzene	3.2920000	3.2271000	0.01	-1.97		AVRG	
Naphthalene	1.6290000	1.5892000	0.01	-2.44		AVRG	
Dibromofluoromethane	0.6850000	0.6106900	0.01	-10.85		AVRG	
1,2-Dichloroethane-D4	0.6450000	0.5459900	0.01	-15.35		AVRG	
Toluene-D8	1.2610000	1.1600000	0.01	-8.01		AVRG	
P-Bromofluorobenzene	0.5090000	0.4692200	0.01	-7.82		AVRG	

FORM VII VOA

FORM 7B
VOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 426 NLON SDG No.: CTO426-2

Instrument ID: GCMS-T Calibration Date: 03/28/08 Time: 0937

Lab File ID: T9838 Init. Calib. Date(s): 03/26/08 03/26/08

Init. Calib. Times: 1117 1356

GC Column: RTX-VMS ID: 0.18 (mm)

COMPOUND	RRF OR AMOUNT	RRF50.000 OR AMOUNT	MIN RRF	%D OR %DRIFT	MAX %D OR %DRIFT	CURV TYPE	
Methyl tert-butyl ether	1.2250000	1.2380000	0.01	1.06		AVRG	
Benzene	1.4930000	1.5773000	0.01	5.65		AVRG	
Toluene	0.9240000	0.9655800	0.01	4.50	20.00	AVRG	
Ethylbenzene	0.6190000	0.6156900	0.01	-0.53	20.00	AVRG	
Xylenes (total)	0.0000000	0.7456800	0.01	0.00		AVRG	<-
m+p-Xylenes	0.7430000	0.7489800	0.01	0.80		AVRG	
o-Xylene	0.7290000	0.7390700	0.01	1.38		AVRG	
Isopropylbenzene	3.2920000	3.2623000	0.01	-0.90		AVRG	
Naphthalene	1.6290000	1.5747000	0.01	-3.33		AVRG	
Dibromofluoromethane	0.6850000	0.6136000	0.01	-10.42		AVRG	
1,2-Dichloroethane-D4	0.6450000	0.5510000	0.01	-14.57		AVRG	
Toluene-D8	1.2610000	1.1733000	0.01	-6.95		AVRG	
P-Bromofluorobenzene	0.5090000	0.4790200	0.01	-5.89		AVRG	

FORM 7B
VOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 426 NLON SDG No.: CTO426-2

Instrument ID: GCMS-T Calibration Date: 04/01/08 Time: 1139

Lab File ID: T9874 Init. Calib. Date(s): 03/26/08 03/26/08

Init. Calib. Times: 1117 1356

GC Column: RTX-VMS ID: 0.18 (mm)

COMPOUND	RRF OR AMOUNT	RRF50.000 OR AMOUNT	MIN RRF	%D OR %DRIFT	MAX %D OR %DRIFT	CURV TYPE	
Methyl tert-butyl ether	1.2250000	1.1933000	0.01	-2.59		AVRG	
Benzene	1.4930000	1.5740000	0.01	5.42		AVRG	
Toluene	0.9240000	0.9452800	0.01	2.30	20.00	AVRG	
Ethylbenzene	0.6190000	0.6062700	0.01	-2.06	20.00	AVRG	
Xylenes (total)	0.0000000	0.7442500	0.01	0.00		AVRG	<-
m+p-Xylenes	0.7430000	0.7501800	0.01	0.97		AVRG	
o-Xylene	0.7290000	0.7323800	0.01	0.46		AVRG	
Isopropylbenzene	3.2920000	3.2848000	0.01	-0.22		AVRG	
Naphthalene	1.6290000	1.6195000	0.01	-0.58		AVRG	
Dibromofluoromethane	0.6850000	0.6112100	0.01	-10.77		AVRG	
1,2-Dichloroethane-D4	0.6450000	0.5608900	0.01	-13.04		AVRG	
Toluene-D8	1.2610000	1.1898000	0.01	-5.65		AVRG	
P-Bromofluorobenzene	0.5090000	0.4815800	0.01	-5.39		AVRG	

FORM 8
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 426 NLON SDG No.: CTO426-2

Lab File ID (Standard): T9817 Date Analyzed: 03/27/08

Instrument ID: GCMS-T Time Analyzed: 0855

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) N

	IS1(PFB) AREA #	RT #	IS2(DFB) AREA #	RT #	IS3(CBZ) AREA #	RT #
12 HOUR STD	1240417	10.11	2035750	10.76	1652370	14.32
UPPER LIMIT	2480834	10.61	4071500	11.26	3304740	14.82
LOWER LIMIT	620209	9.61	1017875	10.26	826185	13.82

	CLIENT SAMPLE ID	LAB SAMPLE ID						
01	WG49739-LCS	WG49739-1	1276615	10.12	2075422	10.76	1701009	14.33
02	WG49739-BLANK	WG49739-2	1292412	10.11	2087020	10.76	1727174	14.33
03	AWD-GW-TB1	SB1520-1	1274398	10.12	2079111	10.76	1718141	14.33
04	DGWMW10120080324	SB1520-2	1311844	10.12	2236451	10.76	1839395	14.32
05	AWDGWMW10220080324	SB1520-3	1267522	10.11	2143668	10.76	1798008	14.33
06	AWDGWMW10320080325	SB1520-4	1269456	10.12	2188957	10.76	1810914	14.32
07	AWDGWMW10420080325	SB1520-5	1253927	10.12	2160712	10.77	1780256	14.33
08	AWDGWMW20120080325	SB1520-6	1238243	10.12	2162438	10.76	1792635	14.33
09	AWDGWMW1420080325	SB1520-7	1231452	10.12	2128096	10.76	1790670	14.33
10	AWDGWMW20220080325	SB1520-8	1233848	10.12	2143689	10.77	1780752	14.32
11	AWDGWMW30420080325	SB1520-9	1255138	10.11	2173394	10.76	1782284	14.32
12	DGWMW10120080324MS	WG49739-3	1231226	10.11	2135797	10.76	1769964	14.32
13	DGWMW10120080324MSD	WG49739-4	1240370	10.11	2132547	10.76	1771044	14.32
14								
15								
16								
17								
18								
19								
20								

IS1 (PFB) = Pentafluorobenzene
IS2 (DFB) = 1,4-Difluorobenzene
IS3 (CBZ) = Chlorobenzene-D5

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

FORM VIII VOA

FORM 8
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 426 NLON SDG No.: CTO426-2

Lab File ID (Standard): T9817 Date Analyzed: 03/27/08

Instrument ID: GCMS-T Time Analyzed: 0855

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) N

		IS4(DCB) AREA #	RT #	AREA #	RT #	AREA #	RT #
12 HOUR STD		860267	17.50				
UPPER LIMIT		1720534	18.00				
LOWER LIMIT		430134	17.00				
CLIENT SAMPLE ID	LAB SAMPLE ID						
01 WG49739-LCS	WG49739-1	881397	17.51				
02 WG49739-BLANK	WG49739-2	861166	17.51				
03 AWD-GW-TB1	SB1520-1	842416	17.51				
04 DGWMW10120080324	SB1520-2	899610	17.51				
05 AWDGWMW10220080324	SB1520-3	875573	17.51				
06 AWDGWMW10320080325	SB1520-4	873736	17.51				
07 AWDGWMW10420080325	SB1520-5	857730	17.51				
08 AWDGWMW20120080325	SB1520-6	850971	17.51				
09 AWDGWMW1420080325	SB1520-7	873507	17.51				
10 AWDGWMW20220080325	SB1520-8	867143	17.51				
11 AWDGWMW30420080325	SB1520-9	861876	17.50				
12 DGWMW10120080324MS	WG49739-3	881349	17.50				
13 DGWMW10120080324MSD	WG49739-4	875367	17.50				
14							
15							
16							
17							
18							
19							
20							

IS4 (DCB) = 1,4-Dichlorobenzene-D4

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

FORM VIII VOA

FORM 8
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 426 NLON SDG No.: CTO426-2

Lab File ID (Standard): T9838 Date Analyzed: 03/28/08

Instrument ID: GCMS-T Time Analyzed: 0937

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) N

		IS1(PFB) AREA #	RT #	IS2(DFB) AREA #	RT #	IS3(CBZ) AREA #	RT #
12 HOUR STD		1314984	10.12	2208803	10.76	1834563	14.33
UPPER LIMIT		2629968	10.62	4417606	11.26	3669126	14.83
LOWER LIMIT		657492	9.62	1104402	10.26	917282	13.83
CLIENT SAMPLE ID	LAB SAMPLE ID						
01 WG49763-LCS	WG49763-1	1336436	10.12	2222877	10.76	1817606	14.33
02 WG49763-BLANK	WG49763-2	1361851	10.12	2231559	10.77	1866595	14.34
03 AWD-GW-TB2	SB1567-1	1343029	10.12	2229846	10.77	1847393	14.32
04 AWDGWMW30520080325	SB1567-2	1314994	10.12	2166791	10.76	1819932	14.33
05 AWDGWMW30120080326	SB1567-3	1279110	10.12	2175890	10.76	1813286	14.33
06 AWDGWMW40120080326	SB1567-4	1273765	10.12	2193152	10.77	1807142	14.32
07 AWDGWMW30220080326	SB1567-5	1272244	10.12	2197139	10.76	1839452	14.33
08 AWDGWMW30320080326	SB1567-6	1249593	10.12	2166825	10.76	1826500	14.33
09 AWDGWMW40220080326	SB1567-7	1328147	10.12	2206680	10.76	1842901	14.33
10 AWD-GW-DUP2	SB1567-8	1362376	10.12	2248204	10.77	1879556	14.32
11 AWDGWMW40320080327	SB1567-9	1375457	10.12	2235655	10.77	1868871	14.32
12 AWD-GW-DUP1	SB1567-10	1318009	10.12	2165876	10.76	1788899	14.31
13 AWDSWSW120080327	SB1567-11	1298375	10.11	2131296	10.76	1766385	14.32
14 AWD-SW-DUP1	SB1567-12	1303839	10.11	2118553	10.76	1763182	14.32
15 AWDGWMW40420080327	SB1567-13	1307955	10.11	2141168	10.76	1777429	14.32
16							
17							
18							
19							
20							

IS1 (PFB) = Pentafluorobenzene
IS2 (DFB) = 1,4-Difluorobenzene
IS3 (CBZ) = Chlorobenzene-D5

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

FORM VIII VOA

FORM 8
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 426 NLON SDG No.: CTO426-2

Lab File ID (Standard): T9838 Date Analyzed: 03/28/08

Instrument ID: GCMS-T Time Analyzed: 0937

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) N

	IS4(DCB) AREA #	RT #	AREA #	RT #	AREA #	RT #
12 HOUR STD	928023	17.51				
UPPER LIMIT	1856046	18.01				
LOWER LIMIT	464012	17.01				

	CLIENT SAMPLE ID	LAB SAMPLE ID						
01	WG49763-LCS	WG49763-1	920175	17.51				
02	WG49763-BLANK	WG49763-2	903375	17.53				
03	AWD-GW-TB2	SB1567-1	890638	17.51				
04	AWDGWMW30520080325	SB1567-2	870741	17.51				
05	AWDGWMW30120080326	SB1567-3	869006	17.51				
06	AWDGWMW40120080326	SB1567-4	860697	17.51				
07	AWDGWMW30220080326	SB1567-5	876761	17.51				
08	AWDGWMW30320080326	SB1567-6	892562	17.51				
09	AWDGWMW40220080326	SB1567-7	899464	17.51				
10	AWD-GW-DUP2	SB1567-8	908215	17.51				
11	AWDGWMW40320080327	SB1567-9	907809	17.50				
12	AWD-GW-DUP1	SB1567-10	874349	17.50				
13	AWDSWSW120080327	SB1567-11	862327	17.50				
14	AWD-SW-DUP1	SB1567-12	864838	17.50				
15	AWDGWMW40420080327	SB1567-13	878046	17.50				
16								
17								
18								
19								
20								

IS4 (DCB) = 1,4-Dichlorobenzene-D4

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

FORM VIII VOA

FORM 8
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 426 NLON SDG No.: CTO426-2

Lab File ID (Standard): T9874 Date Analyzed: 04/01/08

Instrument ID: GCMS-T Time Analyzed: 1139

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) N

		IS1(PFB) AREA #	RT #	IS2(DFB) AREA #	RT #	IS3(CBZ) AREA #	RT #
12 HOUR STD		1409194	10.12	2309084	10.76	1896005	14.33
UPPER LIMIT		2818388	10.62	4618168	11.26	3792010	14.83
LOWER LIMIT		704597	9.62	1154542	10.26	948003	13.83
CLIENT SAMPLE ID	LAB SAMPLE ID						
01 WG49847-LCS	WG49847-1	1420834	10.12	2274343	10.77	1850271	14.34
02 WG49847-BLANK	WG49847-2	1377237	10.13	2236262	10.77	1838229	14.34
03 AWD-SW-TB3	SB1568-1	1345096	10.13	2197341	10.77	1813789	14.34
04 AWDSWPZ203A20080327	SB1568-2	1306063	10.12	2173694	10.77	1779130	14.34
05							
06							
07							
08							
09							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							

IS1 (PFB) = Pentafluorobenzene
IS2 (DFB) = 1,4-Difluorobenzene
IS3 (CBZ) = Chlorobenzene-D5

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

FORM VIII VOA

FORM 8
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 426 NLON SDG No.: CTO426-2

Lab File ID (Standard): T9874 Date Analyzed: 04/01/08

Instrument ID: GCMS-T Time Analyzed: 1139

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) N

	IS4(DCB) AREA #	RT #	AREA #	RT #	AREA #	RT #
12 HOUR STD	961550	17.51				
UPPER LIMIT	1923100	18.01				
LOWER LIMIT	480775	17.01				

	CLIENT SAMPLE ID	LAB SAMPLE ID						
01	WG49847-LCS	WG49847-1	938511	17.52				
02	WG49847-BLANK	WG49847-2	890753	17.52				
03	AWD-SW-TB3	SB1568-1	863402	17.52				
04	AWDSWPZ203A20080327	SB1568-2	850601	17.52				
05								
06								
07								
08								
09								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								

IS4 (DCB) = 1,4-Dichlorobenzene-D4

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

FORM VIII VOA

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 03/24/08
Received Date: 03/26/08
Extraction Date: 03/31/08
Analysis Date: 09-APR-2008 19:43
Report Date: 04/17/2008
Matrix: WATER
% Solids: NA

Lab ID: SB1520-2
Client ID: DGWMW10120080324
SDG: CTO426-2
Extracted by: KF
Extraction Method: SW846 3510
Analyst: JLP
Analysis Method: SW846 M8015B
Lab Prep Batch: WG49821
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
	Extractable TPH C9-C36	U	75	1.0	75	75	43
	O-Terphenyl		80%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 03/24/08
Received Date: 03/26/08
Extraction Date: 03/31/08
Analysis Date: 09-APR-2008 20:22
Report Date: 04/17/2008
Matrix: WATER
% Solids: NA

Lab ID: SB1520-3
Client ID: AWDGWMW10220080324
SDG: CTO426-2
Extracted by: KF
Extraction Method: SW846 3510
Analyst: JLP
Analysis Method: SW846 M8015B
Lab Prep Batch: WG49821
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
	Extractable TPH C9-C36		130	1.0	75	75	42
	O-Terphenyl		78%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 03/25/08
Received Date: 03/26/08
Extraction Date: 03/31/08
Analysis Date: 09-APR-2008 22:57
Report Date: 04/15/2008
Matrix: WATER
% Solids: NA

Lab ID: SB1520-4
Client ID: AWDGWMW10320080325
SDG: CTO426-2
Extracted by: KF
Extraction Method: SW846 3510
Analyst: JLP
Analysis Method: SW846 M8015B
Lab Prep Batch: WG49821
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
	Extractable TPH C9-C36	U	78	1.0	75	78	47
	O-Terphenyl		78%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 03/25/08
Received Date: 03/26/08
Extraction Date: 03/31/08
Analysis Date: 09-APR-2008 23:36
Report Date: 04/15/2008
Matrix: WATER
% Solids: NA

Lab ID: SB1520-5
Client ID: AWDGWMW10420080325
SDG: CTO426-2
Extracted by: KF
Extraction Method: SW846 3510
Analyst: JLP
Analysis Method: SW846 M8015B
Lab Prep Batch: WG49821
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
	Extractable TPH C9-C36	U	75	1.0	75	75	42
	O-Terphenyl		76%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 03/25/08
Received Date: 03/26/08
Extraction Date: 03/31/08
Analysis Date: 10-APR-2008 00:14
Report Date: 04/15/2008
Matrix: WATER
% Solids: NA

Lab ID: SB1520-6
Client ID: AWDGWMW20120080325
SDG: CTO426-2
Extracted by: KF
Extraction Method: SW846 3510
Analyst: JLP
Analysis Method: SW846 M8015B
Lab Prep Batch: WG49821
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
	Extractable TPH C9-C36	U	75	1.0	75	75	45
	O-Terphenyl		75%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 03/25/08
Received Date: 03/26/08
Extraction Date: 03/31/08
Analysis Date: 10-APR-2008 00:53
Report Date: 04/15/2008
Matrix: WATER
% Solids: NA

Lab ID: SB1520-7
Client ID: AWDGWMW1420080325
SDG: CTO426-2
Extracted by: KF
Extraction Method: SW846 3510
Analyst: JLP
Analysis Method: SW846 M8015B
Lab Prep Batch: WG49821
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
	Extractable TPH C9-C36		240	1.0	75	75	42
	O-Terphenyl		75%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 03/25/08
Received Date: 03/26/08
Extraction Date: 03/31/08
Analysis Date: 10-APR-2008 01:32
Report Date: 04/15/2008
Matrix: WATER
% Solids: NA

Lab ID: SB1520-8
Client ID: AWDGWMW20220080325
SDG: CTO426-2
Extracted by: KF
Extraction Method: SW846 3510
Analyst: JLP
Analysis Method: SW846 M8015B
Lab Prep Batch: WG49821
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
	Extractable TPH C9-C36		390	1.0	75	76	46
	O-Terphenyl		84%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 03/25/08
Received Date: 03/26/08
Extraction Date: 03/31/08
Analysis Date: 10-APR-2008 02:11
Report Date: 04/15/2008
Matrix: WATER
% Solids: NA

Lab ID: SB1520-9
Client ID: AWDGWMW30420080325
SDG: CTO426-2
Extracted by: KF
Extraction Method: SW846 3510
Analyst: JLP
Analysis Method: SW846 M8015B
Lab Prep Batch: WG49821
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
	Extractable TPH C9-C36		290	1.0	75	75	42
	O-Terphenyl		78%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 03/25/08
Received Date: 03/28/08
Extraction Date: 03/31/08
Analysis Date: 10-APR-2008 02:50
Report Date: 04/15/2008
Matrix: WATER
% Solids: NA

Lab ID: SB1567-2
Client ID: AWDGWMW30520080325
SDG: CTO426-2
Extracted by: KF
Extraction Method: SW846 3510
Analyst: JLP
Analysis Method: SW846 M8015B
Lab Prep Batch: WG49821
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
	Extractable TPH C9-C36	J	52	1.0	75	75	42
	O-Terphenyl		75%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 03/26/08
Received Date: 03/28/08
Extraction Date: 04/02/08
Analysis Date: 11-APR-2008 20:35
Report Date: 04/15/2008
Matrix: WATER
% Solids: NA

Lab ID: SB1567-3
Client ID: AWDGWMW30120080326
SDG: CTO426-2
Extracted by: KF
Extraction Method: SW846 3510
Analyst: KGT
Analysis Method: SW846 M8015B
Lab Prep Batch: WG49860
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
	Extractable TPH C9-C36		89	1.0	75	75	42
	O-Terphenyl		76%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 03/26/08
Received Date: 03/28/08
Extraction Date: 04/02/08
Analysis Date: 11-APR-2008 21:14
Report Date: 04/15/2008
Matrix: WATER
% Solids: NA

Lab ID: SB1567-4
Client ID: AWDGWMW40120080326
SDG: CTO426-2
Extracted by: KF
Extraction Method: SW846 3510
Analyst: KGT
Analysis Method: SW846 M8015B
Lab Prep Batch: WG49860
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
	Extractable TPH C9-C36	U	75	1.0	75	75	45
	O-Terphenyl		82%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 03/26/08
Received Date: 03/28/08
Extraction Date: 04/02/08
Analysis Date: 11-APR-2008 23:49
Report Date: 04/15/2008
Matrix: WATER
% Solids: NA

Lab ID: SB1567-5
Client ID: AWDGWMW30220080326
SDG: CTO426-2
Extracted by: KF
Extraction Method: SW846 3510
Analyst: KGT
Analysis Method: SW846 M8015B
Lab Prep Batch: WG49860
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
	Extractable TPH C9-C36		110	1.0	75	75	42
	O-Terphenyl		79%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 03/26/08
Received Date: 03/28/08
Extraction Date: 04/02/08
Analysis Date: 12-APR-2008 00:27
Report Date: 04/15/2008
Matrix: WATER
% Solids: NA

Lab ID: SB1567-6
Client ID: AWDGWMW30320080326
SDG: CTO426-2
Extracted by: KF
Extraction Method: SW846 3510
Analyst: KGT
Analysis Method: SW846 M8015B
Lab Prep Batch: WG49860
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
	Extractable TPH C9-C36		1700	1.0	75	75	42
	O-Terphenyl		78%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 03/26/08
Received Date: 03/28/08
Extraction Date: 04/02/08
Analysis Date: 12-APR-2008 01:06
Report Date: 04/15/2008
Matrix: WATER
% Solids: NA

Lab ID: SB1567-7
Client ID: AWDGWMW40220080326
SDG: CTO426-2
Extracted by: KF
Extraction Method: SW846 3510
Analyst: KGT
Analysis Method: SW846 M8015B
Lab Prep Batch: WG49860
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
	Extractable TPH C9-C36		480	1.0	75	78	47
	O-Terphenyl		81%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 03/26/08
Received Date: 03/28/08
Extraction Date: 04/02/08
Analysis Date: 12-APR-2008 01:45
Report Date: 04/15/2008
Matrix: WATER
% Solids: NA

Lab ID: SB1567-8
Client ID: AWD-GW-DUP2
SDG: CTO426-2
Extracted by: KF
Extraction Method: SW846 3510
Analyst: KGT
Analysis Method: SW846 M8015B
Lab Prep Batch: WG49860
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
	Extractable TPH C9-C36		1700	1.0	75	75	42
	O-Terphenyl		74%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 03/27/08
Received Date: 03/28/08
Extraction Date: 04/02/08
Analysis Date: 12-APR-2008 02:24
Report Date: 04/15/2008
Matrix: WATER
% Solids: NA

Lab ID: SB1567-9
Client ID: AWDGWMW40320080327
SDG: CTO426-2
Extracted by: KF
Extraction Method: SW846 3510
Analyst: KGT
Analysis Method: SW846 M8015B
Lab Prep Batch: WG49860
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
	Extractable TPH C9-C36		160	1.0	75	75	42
	O-Terphenyl		86%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 03/27/08
Received Date: 03/28/08
Extraction Date: 04/02/08
Analysis Date: 12-APR-2008 03:02
Report Date: 04/15/2008
Matrix: WATER
% Solids: NA

Lab ID: SB1567-10
Client ID: AWD-GW-DUP1
SDG: CTO426-2
Extracted by: KF
Extraction Method: SW846 3510
Analyst: KGT
Analysis Method: SW846 M8015B
Lab Prep Batch: WG49860
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
	Extractable TPH C9-C36		140	1.0	75	75	42
	O-Terphenyl		80%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 03/27/08
Received Date: 03/28/08
Extraction Date: 04/02/08
Analysis Date: 12-APR-2008 03:41
Report Date: 04/15/2008
Matrix: WATER
% Solids: NA

Lab ID: SB1567-11
Client ID: AWDSWSW120080327
SDG: CTO426-2
Extracted by: KF
Extraction Method: SW846 3510
Analyst: KGT
Analysis Method: SW846 M8015B
Lab Prep Batch: WG49860
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
	Extractable TPH C9-C36		230	1.0	75	81	48
	O-Terphenyl		81%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 03/27/08
Received Date: 03/28/08
Extraction Date: 04/02/08
Analysis Date: 12-APR-2008 04:20
Report Date: 04/15/2008
Matrix: WATER
% Solids: NA

Lab ID: SB1567-12
Client ID: AWD-SW-DUP1
SDG: CTO426-2
Extracted by: KF
Extraction Method: SW846 3510
Analyst: KGT
Analysis Method: SW846 M8015B
Lab Prep Batch: WG49860
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
	Extractable TPH C9-C36		170	1.0	75	75	45
	O-Terphenyl		80%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 03/27/08
Received Date: 03/28/08
Extraction Date: 04/02/08
Analysis Date: 12-APR-2008 04:59
Report Date: 04/15/2008
Matrix: WATER
% Solids: NA

Lab ID: SB1567-13
Client ID: AWDGWMW40420080327
SDG: CTO426-2
Extracted by: KF
Extraction Method: SW846 3510
Analyst: KGT
Analysis Method: SW846 M8015B
Lab Prep Batch: WG49860
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
	Extractable TPH C9-C36		260	1.0	75	75	42
	O-Terphenyl		74%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 03/27/08
Received Date: 03/29/08
Extraction Date: 04/02/08
Analysis Date: 12-APR-2008 05:37
Report Date: 04/15/2008
Matrix: WATER
% Solids: NA

Lab ID: SB1568-2
Client ID: AWDSWPZ203A20080327
SDG: CTO426-2
Extracted by: KF
Extraction Method: SW846 3510
Analyst: KGT
Analysis Method: SW846 M8015B
Lab Prep Batch: WG49860
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
	Extractable TPH C9-C36		450	1.0	75	190	110
	O-Terphenyl		73%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client:
Project: CTO 426 NLON
PO No:
Sample Date:
Received Date:
Extraction Date: 03/31/08
Analysis Date: 09-APR-2008 17:10
Report Date: 04/17/2008
Matrix: WATER
% Solids: NA

Lab ID: WG49821-1
Client ID: WG49821-Blank
SDG: CTO426-2
Extracted by: KF
Extraction Method: SW846 3510
Analyst: JLP
Analysis Method: SW846 M8015B
Lab Prep Batch: WG49821
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
	Extractable TPH C9-C36	U	75	1.0	75	75	45
	O-Terphenyl		78%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client:
Project: CTO 426 NLON
PO No:
Sample Date:
Received Date:
Extraction Date: 04/02/08
Analysis Date: 14-APR-2008 15:41
Report Date: 04/15/2008
Matrix: WATER
% Solids: NA

Lab ID: WG49860-1RA
Client ID: WG49860-Blank
SDG: CTO426-2
Extracted by: KF
Extraction Method: SW846 3510
Analyst: KGT
Analysis Method: SW846 M8015B
Lab Prep Batch: WG49860
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
	Extractable TPH C9-C36	U	75	1.0	75	75	45
	O-Terphenyl		76%				

FORM 2
WATER DRO SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 426 NLON SDG No.: CTO426-2

	CLIENT SAMPLE ID	LAB SAMPLE ID	S1 OTP#	S2 #	S3 #	S4 #	S5 #	S6 #	S7 #	S8 #	TOT OUT
01	WG49821-BLANK	WG49821-1	78								0
02	WG49821-LCS	WG49821-2	72								0
03	DGWMW10120080324MS	WG49821-3	74								0
04	DGWMW10120080324MSD	WG49821-4	82								0
05	DGWMW10120080324	SB1520-2	80								0
06	AWDGWMW10220080324	SB1520-3	78								0
07	AWDGWMW10320080325	SB1520-4	78								0
08	AWDGWMW10420080325	SB1520-5	76								0
09	AWDGWMW20120080325	SB1520-6	75								0
10	AWDGWMW1420080325	SB1520-7	75								0
11	AWDGWMW20220080325	SB1520-8	84								0
12	AWDGWMW30420080325	SB1520-9	78								0
13	AWDGWMW30520080325	SB1567-2	75								0
14	WG49860-LCS	WG49860-2	81								0
15	WG49860-LCSD	WG49860-3	83								0
16	AWDGWMW30120080326	SB1567-3	76								0
17	AWDGWMW40120080326	SB1567-4	82								0
18	AWDGWMW30220080326	SB1567-5	79								0
19	AWDGWMW30320080326	SB1567-6	78								0
20	AWDGWMW40220080326	SB1567-7	81								0
21	AWD-GW-DUP2	SB1567-8	74								0
22	AWDGWMW40320080327	SB1567-9	86								0
23	AWD-GW-DUP1	SB1567-10	80								0
24	AWDSWSW120080327	SB1567-11	81								0
25	AWD-SW-DUP1	SB1567-12	80								0
26	AWDGWMW40420080327	SB1567-13	74								0
27	AWDSWPZ203A20080327	SB1568-2	73								0
28	WG49860-BLANK	WG49860-1RA	76								0

S1 (OTP) = O-Terphenyl QC LIMITS (46-116)

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

KATAHDIN ANALYTICAL SERVICES
LAB CONTROL SAMPLE

Client:
Project: CTO 426 NLON
PO No:
Sample Date:
Received Date:
Extraction Date: 03/31/08
Analysis Date: 04/09/08
Report Date: 04/17/2008
Matrix: WATER

Lab ID: WG49821-2
Client ID: WG49821-LCS
SDG: CTO426-2
Extracted by: KF
Extraction Method: SW846 3510
Analyst: JLP
Analysis Method: SW846 M8015B
Lab Prep Batch: WG49821
Units: ug/L

COMPOUND	LCS SPIKE	SAMPLE CONC.	LCS CONC.	%REC.	QC. LIMITS
Extractable TPH C9-C36	500	NA	322	64	33-135

KATAHDIN ANALYTICAL SERVICES
LAB CONTROL SAMPLE

Client:
Project: CTO 426 NLON
PO No:
Sample Date:
Received Date:
Extraction Date: 04/02/08
Analysis Date: 04/11/08
Report Date: 04/15/2008
Matrix: WATER

Lab ID: WG49860-2 & WG49860-3
Client ID: WG49860-LCS & WG49860-LCSD
SDG: CTO426-2
Extracted by: KF
Extraction Method: SW846 3510
Analyst: KGT
Analysis Method: SW846 M8015B
Lab Prep Batch: WG49860
Units: ug/L

COMPOUND	LCS SPIKE	LCSD SPIKE	SAMPLE CONC.	LCS CONC.	LCSD CONC.	LCS %REC.	LCSD %REC.	%RPD	%RPD LIMIT	QC. LIMITS
Extractable TPH C9-C36	500	500	NA	374	376	75	75	0.5	20	33-135

FORM III DRO-1

ABD1187.d & ABD1188.d

KATAHDIN ANALYTICAL SERVICES
MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 03/24/08
Received Date: 03/26/08
Extraction Date: 03/31/08
Analysis Date: 04/09/08
Report Date: 04/17/2008
Matrix: WATER

Lab ID: WG49821-3 & WG49821-4
Client ID: DGWMW10120080324MS & DGWMW10120080324MSD
SDG: CTO426-2
Extracted by: KF
Extraction Method: SW846 3510
Analyst: JLP
Analysis Method: SW846 M8015B
Lab Prep Batch: WG49821
Units: ug/L

COMPOUND	MS SPIKE	MSD SPIKE	SAMPLE CONC.	MS CONC.	MSD CONC.	MS %REC.	MSD %REC.	%RPD	%RPD LIMIT	QC. LIMITS
Extractable TPH C9-C36	472	472	0.00	339	381	72	81	12	20	33-135

FORM III DRO-1

ABD1135.d & ABD1136.d

FORM 4

SEMIVOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE ID

WG49821-BLANK

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 426 NLON SDG No.: CTO426-2

Lab File ID: ABD1133 Lab Sample ID: WG49821-1

Instrument ID: GC10 Date Extracted: 03/31/08

Matrix: (soil/water) WATER Date Analyzed: 04/09/08

Level:(low/med) LOW Time Analyzed: 1710

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	WG49821-LCS	WG49821-2	ABD1134	04/09/08	1747
02	DGWMW10120080324MS	WG49821-3	ABD1135	04/09/08	1826
03	DGWMW10120080324MSD	WG49821-4	ABD1136	04/09/08	1905
04	DGWMW10120080324	SB1520-2	ABD1137	04/09/08	1943
05	AWDGWMW10220080324	SB1520-3	ABD1138	04/09/08	2022
06	AWDGWMW10320080325	SB1520-4	ABD1142	04/09/08	2257
07	AWDGWMW10420080325	SB1520-5	ABD1143	04/09/08	2336
08	AWDGWMW20120080325	SB1520-6	ABD1144	04/10/08	0014
09	AWDGWMW1420080325	SB1520-7	ABD1145	04/10/08	0053
10	AWDGWMW20220080325	SB1520-8	ABD1146	04/10/08	0132
11	AWDGWMW30420080325	SB1520-9	ABD1147	04/10/08	0211
12	AWDGWMW30520080325	SB1567-2	ABD1148	04/10/08	0250
13					
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COMMENTS:

FORM IVDRO

FORM 4

SEMIVOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE ID

WG49860-BLANK

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 426 NLON SDG No.: CTO426-2

Lab File ID: ABD1213 Lab Sample ID: WG49860-1RA

Instrument ID: GC10 Date Extracted: 04/02/08

Matrix: (soil/water) WATER Date Analyzed: 04/14/08

Level:(low/med) LOW Time Analyzed: 1541

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	WG49860-LCS	WG49860-2	ABD1187	04/11/08	1917
02	WG49860-LCSD	WG49860-3	ABD1188	04/11/08	1956
03	AWDGWMW30120080326	SB1567-3	ABD1189	04/11/08	2035
04	AWDGWMW40120080326	SB1567-4	ABD1190	04/11/08	2114
05	AWDGWMW30220080326	SB1567-5	ABD1194	04/11/08	2349
06	AWDGWMW30320080326	SB1567-6	ABD1195	04/12/08	0027
07	AWDGWMW40220080326	SB1567-7	ABD1196	04/12/08	0106
08	AWD-GW-DUP2	SB1567-8	ABD1197	04/12/08	0145
09	AWDGWMW40320080327	SB1567-9	ABD1198	04/12/08	0224
10	AWD-GW-DUP1	SB1567-10	ABD1199	04/12/08	0302
11	AWDSWSW120080327	SB1567-11	ABD1200	04/12/08	0341
12	AWD-SW-DUP1	SB1567-12	ABD1201	04/12/08	0420
13	AWDGWMW40420080327	SB1567-13	ABD1202	04/12/08	0459
14	AWDSWPZ203A20080327	SB1568-2	ABD1203	04/12/08	0537
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30					

COMMENTS:

FORM IVDRO

FORM 6
DRO INITIAL CALIBRATION DATA

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project CTO 426 NLON SDG No.: CTO426-2

Instrument ID: GC10 Calibration Date(s): 04/08/08 04/08/08

Column: ZB-1 ID: 0.53 (mm) Calibration Time(s): 1420 1651

LAB FILE ID: RF5: ABD1097A RF20: ABD1096A RF50: ABD1093A
RF100: ABD1095A RF200: ABD1094A

COMPOUND	RF5	RF20	RF50	RF100	RF200	CURVE	COEFFICENTS A0	A1	%RSD OR R^2	MAX %RSD OR R^2
TPH Peaks C9-C36	456260	1909700	4544300	9497900	2e+007	LINR	-10.264417	1.54e-004	0.99937	0.99000
C-9	32386	131110	311890	653460	1248100	LINR	-0.6810611	1.595e-004	0.99943	0.99000
C-10	31005	132020	319160	664960	1274400	LINR	-0.5081632	1.561e-004	0.99951	0.99000
C-12	27211	125450	320650	673420	1279800	LINR	-0.1114423	1.548e-004	0.99923	0.99000
C-14	31425	136730	317000	672580	1282800	LINR	-0.5758226	1.551e-004	0.99933	0.99000
C-16	34123	135830	322490	673160	1282100	LINR	-0.8506545	1.553e-004	0.99938	0.99000
C-18	33247	138080	327370	683110	1300500	LINR	-0.8120776	1.53e-004	0.99936	0.99000
C-19	33132	137550	329450	685830	1302400	LINR	-0.8427309	1.527e-004	0.99930	0.99000
C-20	34097	140550	330000	691020	1316400	LINR	-0.8172681	1.512e-004	0.99936	0.99000
C-22	34304	139000	329680	685580	1308500	LINR	-0.8440508	1.522e-004	0.99943	0.99000
C-24	34078	143900	332590	683930	1304200	LINR	-1.1734825	1.529e-004	0.99940	0.99000
C-26	33545	137790	327210	674910	1278500	LINR	-1.1343041	1.557e-004	0.99925	0.99000
C-28	33967	141410	332500	687730	1311000	LINR	-0.9828310	1.52e-004	0.99940	0.99000
C-30	34330	143730	338520	702840	1348400	LINR	-0.7436945	1.478e-004	0.99954	0.99000
C-36	29401	126510	305840	665380	1256300	LINR	-0.1392394	1.577e-004	0.99895	0.99000
O-Terphenyl	15561	61620	145870	300120	574940	LINR	-0.3931122	1.387e-004	0.99953	0.99000

FORM VI DRO

FORM 7B
SEMIVOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 426 NLON SDG No.: CTO426-2

Instrument ID: GC10 Calibration Date: 04/08/08 Time: 1729

Lab File ID: ABD1098A Init. Calib. Date(s): 04/08/08 04/08/08

Init. Calib. Times: 1420 1651

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-10	47.982000	50.000000	6212.0000	0.01	-4.04	20.00	LINR
C-12	49.926000	50.000000	6464.1000	0.01	-0.15	20.00	LINR
C-14	48.222000	50.000000	6293.8000	0.01	-3.56	20.00	LINR
C-16	49.240000	50.000000	6451.3000	0.01	-1.52	20.00	LINR
C-18	49.344000	50.000000	6555.0000	0.01	-1.31	20.00	LINR
C-20	47.780000	50.000000	6427.0000	0.01	-4.44	20.00	LINR
C-22	49.249000	50.000000	6582.3000	0.01	-1.50	20.00	LINR
C-24	49.240000	50.000000	6594.6000	0.01	-1.52	20.00	LINR
C-26	50.386000	50.000000	6617.2000	0.01	0.77	20.00	LINR
C-28	44.499000	50.000000	5986.2000	0.01	-11.00	20.00	LINR

FORM VII DRO

FORM 7B
SEMIVOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 426 NLON SDG No.: CTO426-2

Instrument ID: GC10 Calibration Date: 04/09/08 Time: 1302

Lab File ID: ABD1127 Init. Calib. Date(s): 04/08/08 04/08/08

Init. Calib. Times: 1420 1651

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
TPH Peaks C9-C36	296.66000	280.00000	7119.0000	0.01	5.95	20.00	LINR
C-9	21.166000	20.000000	6849.5000	0.01	5.83	20.00	LINR
C-10	21.195000	20.000000	6951.0000	0.01	5.98	20.00	LINR
C-12	21.770000	20.000000	7066.9000	0.01	8.85	20.00	LINR
C-14	20.948000	20.000000	6940.0000	0.01	4.74	20.00	LINR
C-16	21.284000	20.000000	7126.9000	0.01	6.42	20.00	LINR
C-18	20.829000	20.000000	7070.8000	0.01	4.14	20.00	LINR
C-19	20.906000	20.000000	7120.0000	0.01	4.53	20.00	LINR
C-20	21.297000	20.000000	7311.4000	0.01	6.48	20.00	LINR
C-22	20.872000	20.000000	7134.0000	0.01	4.36	20.00	LINR
C-24	20.923000	20.000000	7226.0000	0.01	4.62	20.00	LINR
C-26	21.117000	20.000000	7144.9000	0.01	5.58	20.00	LINR
C-28	21.075000	20.000000	7257.9000	0.01	5.38	20.00	LINR
C-30	21.011000	20.000000	7360.6000	0.01	5.06	20.00	LINR
C-36	22.270000	20.000000	7105.6000	0.01	11.35	20.00	LINR
O-Terphenyl	8.3330000	8.0000000	7861.5000	0.01	4.16	20.00	LINR

FORM VII DRO

FORM 7B
SEMIVOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 426 NLON SDG No.: CTO426-2

Instrument ID: GC10 Calibration Date: 04/09/08 Time: 2218

Lab File ID: ABD1141 Init. Calib. Date(s): 04/08/08 04/08/08

Init. Calib. Times: 1420 1651

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
TPH Peaks C9-C36	732.75000	700.00000	6894.9000	0.01	4.68	20.00	LINR
C-9	51.732000	50.000000	6572.8000	0.01	3.46	20.00	LINR
C-10	51.828000	50.000000	6704.8000	0.01	3.66	20.00	LINR
C-12	52.937000	50.000000	6853.1000	0.01	5.87	20.00	LINR
C-14	52.337000	50.000000	6824.4000	0.01	4.67	20.00	LINR
C-16	51.264000	50.000000	6712.0000	0.01	2.53	20.00	LINR
C-18	52.161000	50.000000	6923.2000	0.01	4.32	20.00	LINR
C-19	51.997000	50.000000	6919.3000	0.01	3.99	20.00	LINR
C-20	52.013000	50.000000	6986.7000	0.01	4.03	20.00	LINR
C-22	52.518000	50.000000	7011.8000	0.01	5.04	20.00	LINR
C-24	52.899000	50.000000	7073.2000	0.01	5.80	20.00	LINR
C-26	52.360000	50.000000	6870.6000	0.01	4.72	20.00	LINR
C-28	52.969000	50.000000	7101.0000	0.01	5.94	20.00	LINR
C-30	52.414000	50.000000	7194.3000	0.01	4.83	20.00	LINR
C-36	53.324000	50.000000	6781.0000	0.01	6.65	20.00	LINR
O-Terphenyl	21.056000	20.000000	7729.5000	0.01	5.28	20.00	LINR

FORM VII DRO

FORM 7B
SEMIVOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 426 NLON SDG No.: CTO426-2

Instrument ID: GC10 Calibration Date: 04/10/08 Time: 0524

Lab File ID: ABD1152 Init. Calib. Date(s): 04/08/08 04/08/08

Init. Calib. Times: 1420 1651

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
TPH Peaks C9-C36	283.82000	280.00000	6819.8000	0.01	1.36	20.00	LINR
C-9	20.278000	20.000000	6571.0000	0.01	1.39	20.00	LINR
C-10	20.255000	20.000000	6649.9000	0.01	1.28	20.00	LINR
C-12	20.792000	20.000000	6751.0000	0.01	3.96	20.00	LINR
C-14	20.824000	20.000000	6900.0000	0.01	4.12	20.00	LINR
C-16	19.327000	20.000000	6496.8000	0.01	-3.36	20.00	LINR
C-18	20.336000	20.000000	6909.8000	0.01	1.68	20.00	LINR
C-19	20.378000	20.000000	6947.2000	0.01	1.89	20.00	LINR
C-20	20.491000	20.000000	7044.8000	0.01	2.46	20.00	LINR
C-22	20.529000	20.000000	7021.2000	0.01	2.64	20.00	LINR
C-24	20.386000	20.000000	7050.4000	0.01	1.93	20.00	LINR
C-26	20.503000	20.000000	6947.5000	0.01	2.52	20.00	LINR
C-28	20.613000	20.000000	7106.1000	0.01	3.06	20.00	LINR
C-30	18.150000	20.000000	6392.8000	0.01	-9.25	20.00	LINR
C-36	20.953000	20.000000	6688.2000	0.01	4.76	20.00	LINR
O-Terphenyl	8.2625000	8.0000000	7798.0000	0.01	3.28	20.00	LINR

FORM VII DRO

FORM 7B
SEMIVOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 426 NLON SDG No.: CTO426-2

Instrument ID: GC10 Calibration Date: 04/11/08 Time: 1142

Lab File ID: ABD1179 Init. Calib. Date(s): 04/08/08 04/08/08

Init. Calib. Times: 1420 1651

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
TPH Peaks C9-C36	286.69000	280.00000	6888.4000	0.01	2.39	20.00	LINR
C-9	20.552000	20.000000	6656.8000	0.01	2.76	20.00	LINR
C-10	20.156000	20.000000	6618.3000	0.01	0.78	20.00	LINR
C-12	20.506000	20.000000	6658.6000	0.01	2.53	20.00	LINR
C-14	20.396000	20.000000	6762.2000	0.01	1.98	20.00	LINR
C-16	20.517000	20.000000	6880.0000	0.01	2.58	20.00	LINR
C-18	20.478000	20.000000	6956.2000	0.01	2.39	20.00	LINR
C-19	20.522000	20.000000	6994.1000	0.01	2.61	20.00	LINR
C-20	20.552000	20.000000	7065.1000	0.01	2.76	20.00	LINR
C-22	20.514000	20.000000	7016.1000	0.01	2.57	20.00	LINR
C-24	20.261000	20.000000	7009.4000	0.01	1.30	20.00	LINR
C-26	20.432000	20.000000	6925.0000	0.01	2.16	20.00	LINR
C-28	20.684000	20.000000	7129.4000	0.01	3.42	20.00	LINR
C-30	20.318000	20.000000	7126.2000	0.01	1.59	20.00	LINR
C-36	20.803000	20.000000	6640.4000	0.01	4.02	20.00	LINR
O-Terphenyl	8.1741000	8.0000000	7718.4000	0.01	2.18	20.00	LINR

FORM VII DRO

FORM 7B
SEMIVOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 426 NLON SDG No.: CTO426-2

Instrument ID: GC10 Calibration Date: 04/11/08 Time: 2310

Lab File ID: ABD1193 Init. Calib. Date(s): 04/08/08 04/08/08

Init. Calib. Times: 1420 1651

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
TPH Peaks C9-C36	693.73000	700.00000	6532.0000	0.01	-0.90	20.00	LINR
C-9	50.230000	50.000000	6384.5000	0.01	0.46	20.00	LINR
C-10	49.589000	50.000000	6418.0000	0.01	-0.82	20.00	LINR
C-12	50.988000	50.000000	6601.2000	0.01	1.98	20.00	LINR
C-14	50.221000	50.000000	6551.5000	0.01	0.44	20.00	LINR
C-16	50.166000	50.000000	6570.5000	0.01	0.33	20.00	LINR
C-18	49.848000	50.000000	6621.0000	0.01	-0.30	20.00	LINR
C-19	49.621000	50.000000	6608.1000	0.01	-0.76	20.00	LINR
C-20	49.442000	50.000000	6646.7000	0.01	-1.12	20.00	LINR
C-22	50.371000	50.000000	6729.8000	0.01	0.74	20.00	LINR
C-24	48.166000	50.000000	6454.1000	0.01	-3.67	20.00	LINR
C-26	48.710000	50.000000	6401.9000	0.01	-2.58	20.00	LINR
C-28	48.762000	50.000000	6547.2000	0.01	-2.48	20.00	LINR
C-30	48.707000	50.000000	6692.6000	0.01	-2.59	20.00	LINR
C-36	48.910000	50.000000	6221.1000	0.01	-2.18	20.00	LINR
O-Terphenyl	19.978000	20.000000	7341.0000	0.01	-0.11	20.00	LINR

FORM VII DRO

FORM 7B
SEMIVOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 426 NLON SDG No.: CTO426-2

Instrument ID: GC10 Calibration Date: 04/12/08 Time: 0812

Lab File ID: ABD1207 Init. Calib. Date(s): 04/08/08 04/08/08

Init. Calib. Times: 1420 1651

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
TPH Peaks C9-C36	700.61000	700.00000	6596.8000	0.01	0.09	20.00	LINR
C-9	50.992000	50.000000	6480.1000	0.01	1.98	20.00	LINR
C-10	50.508000	50.000000	6535.7000	0.01	1.02	20.00	LINR
C-12	51.937000	50.000000	6723.8000	0.01	3.87	20.00	LINR
C-14	51.121000	50.000000	6667.7000	0.01	2.24	20.00	LINR
C-16	50.920000	50.000000	6667.8000	0.01	1.84	20.00	LINR
C-18	50.830000	50.000000	6749.3000	0.01	1.66	20.00	LINR
C-19	50.974000	50.000000	6785.3000	0.01	1.95	20.00	LINR
C-20	50.487000	50.000000	6784.9000	0.01	0.97	20.00	LINR
C-22	51.173000	50.000000	6835.1000	0.01	2.35	20.00	LINR
C-24	49.017000	50.000000	6565.4000	0.01	-1.97	20.00	LINR
C-26	49.506000	50.000000	6504.1000	0.01	-0.99	20.00	LINR
C-28	49.527000	50.000000	6648.0000	0.01	-0.95	20.00	LINR
C-30	48.882000	50.000000	6716.4000	0.01	-2.24	20.00	LINR
C-36	44.734000	50.000000	5691.4000	0.01	-10.53	20.00	LINR
O-Terphenyl	20.403000	20.000000	7494.4000	0.01	2.02	20.00	LINR

FORM VII DRO

FORM 7B
SEMIVOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 426 NLON SDG No.: CTO426-2

Instrument ID: GC10 Calibration Date: 04/14/08 Time: 1315

Lab File ID: ABD1210 Init. Calib. Date(s): 04/08/08 04/08/08

Init. Calib. Times: 1420 1651

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
TPH Peaks C9-C36	283.41000	280.00000	6812.0000	0.01	1.22	20.00	LINR
C-9	20.527000	20.000000	6649.0000	0.01	2.64	20.00	LINR
C-10	20.302000	20.000000	6664.9000	0.01	1.51	20.00	LINR
C-12	20.303000	20.000000	6593.0000	0.01	1.52	20.00	LINR
C-14	20.482000	20.000000	6790.0000	0.01	2.41	20.00	LINR
C-16	20.179000	20.000000	6771.2000	0.01	0.90	20.00	LINR
C-18	20.284000	20.000000	6892.6000	0.01	1.42	20.00	LINR
C-19	20.360000	20.000000	6941.2000	0.01	1.80	20.00	LINR
C-20	20.356000	20.000000	7000.2000	0.01	1.78	20.00	LINR
C-22	20.291000	20.000000	6943.0000	0.01	1.46	20.00	LINR
C-24	20.142000	20.000000	6970.7000	0.01	0.71	20.00	LINR
C-26	19.878000	20.000000	6746.8000	0.01	-0.61	20.00	LINR
C-28	19.826000	20.000000	6847.2000	0.01	-0.87	20.00	LINR
C-30	19.972000	20.000000	7009.0000	0.01	-0.14	20.00	LINR
C-36	20.513000	20.000000	6548.4000	0.01	2.56	20.00	LINR
O-Terphenyl	8.0802000	8.0000000	7633.8000	0.01	1.00	20.00	LINR

FORM VII DRO

FORM 7B
SEMIVOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 426 NLON SDG No.: CTO426-2

Instrument ID: GC10 Calibration Date: 04/14/08 Time: 2325

Lab File ID: ABD1223 Init. Calib. Date(s): 04/08/08 04/08/08

Init. Calib. Times: 1420 1651

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
TPH Peaks C9-C36	697.43000	700.00000	6565.2000	0.01	-0.37	20.00	LINR
C-9	50.699000	50.000000	6443.3000	0.01	1.40	20.00	LINR
C-10	50.114000	50.000000	6485.2000	0.01	0.23	20.00	LINR
C-12	51.300000	50.000000	6641.6000	0.01	2.60	20.00	LINR
C-14	51.128000	50.000000	6668.6000	0.01	2.26	20.00	LINR
C-16	50.715000	50.000000	6641.3000	0.01	1.43	20.00	LINR
C-18	50.215000	50.000000	6668.9000	0.01	0.43	20.00	LINR
C-19	50.009000	50.000000	6659.0000	0.01	0.02	20.00	LINR
C-20	49.925000	50.000000	6710.5000	0.01	-0.15	20.00	LINR
C-22	50.606000	50.000000	6760.7000	0.01	1.21	20.00	LINR
C-24	48.194000	50.000000	6457.7000	0.01	-3.61	20.00	LINR
C-26	49.085000	50.000000	6450.0000	0.01	-1.83	20.00	LINR
C-28	48.644000	50.000000	6531.8000	0.01	-2.71	20.00	LINR
C-30	46.912000	50.000000	6449.7000	0.01	-6.18	20.00	LINR
C-36	49.885000	50.000000	6344.8000	0.01	-0.23	20.00	LINR
O-Terphenyl	20.165000	20.000000	7408.4000	0.01	0.82	20.00	LINR

FORM VII DRO

FORM 8
DRO ANALYTICAL SEQUENCE

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 426 NLON SDG No.: CTO426-2

GC Column: ZB-1 ID: 0.53 (mm) Init. Calib. Date(s): 04/08/08 04/08/08

Instrument ID: GC10

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION
S1 : 12.56

	CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	S1 RT #	RT #
01		PHC 50UG/ML	04/08/08	1420	12.56	
02		PHC 200UG/ML	04/08/08	1458	12.57	
03		PHC 100UG/ML	04/08/08	1535	12.56	
04		PHC 20UG/ML	04/08/08	1613	12.56	
05		PHC 5UG/ML	04/08/08	1651	12.55	
06		PHC IND	04/08/08	1729		
07		PHC 20UG/ML	04/09/08	1302	12.56	
08	WG49821-BLAN	WG49821-1	04/09/08	1710	12.56	
09	WG49821-LCS	WG49821-2	04/09/08	1747	12.56	
10	DGWMW1012008	WG49821-3	04/09/08	1826	12.56	
11	DGWMW1012008	WG49821-4	04/09/08	1905	12.56	
12	DGWMW1012008	SB1520-2	04/09/08	1943	12.55	
13	AWDGWMW10220	SB1520-3	04/09/08	2022	12.55	
14		PHC 50UG/ML	04/09/08	2218	12.56	
15	AWDGWMW10320	SB1520-4	04/09/08	2257	12.55	
16	AWDGWMW10420	SB1520-5	04/09/08	2336	12.55	
17	AWDGWMW20120	SB1520-6	04/10/08	0014	12.55	
18	AWDGWMW14200	SB1520-7	04/10/08	0053	12.55	
19	AWDGWMW20220	SB1520-8	04/10/08	0132	12.55	
20	AWDGWMW30420	SB1520-9	04/10/08	0211	12.55	

S1 = O-Terphenyl QC LIMITS (+/- 0.38 MINUTES)

Column used to flag retention time values with an asterisk.
* Values outside of QC limits.

FORM 8
DRO ANALYTICAL SEQUENCE

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 426 NLON SDG No.: CTO426-2

GC Column: ZB-1 ID: 0.53 (mm) Init. Calib. Date(s): 04/08/08 04/08/08

Instrument ID: GC10

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION
S1 : 12.56

	CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	S1 RT #	RT #
01	AWDGWMW30520	SB1567-2	04/10/08	0250	12.55	
02		PHC 20UG/ML	04/10/08	0524	12.55	
03		PHC 20UG/ML	04/11/08	1142	12.56	
04	WG49860-LCS	WG49860-2	04/11/08	1917	12.56	
05	WG49860-LCSD	WG49860-3	04/11/08	1956	12.56	
06	AWDGWMW30120	SB1567-3	04/11/08	2035	12.56	
07	AWDGWMW40120	SB1567-4	04/11/08	2114	12.55	
08		PHC 50UG/ML	04/11/08	2310	12.56	
09	AWDGWMW30220	SB1567-5	04/11/08	2349	12.56	
10	AWDGWMW30320	SB1567-6	04/12/08	0027	12.56	
11	AWDGWMW40220	SB1567-7	04/12/08	0106	12.56	
12	AWD-GW-DUP2	SB1567-8	04/12/08	0145	12.56	
13	AWDGWMW40320	SB1567-9	04/12/08	0224	12.56	
14	AWD-GW-DUP1	SB1567-10	04/12/08	0302	12.56	
15	AWDSWSW12008	SB1567-11	04/12/08	0341	12.56	
16	AWD-SW-DUP1	SB1567-12	04/12/08	0420	12.56	
17	AWDGWMW40420	SB1567-13	04/12/08	0459	12.56	
18	AWDSWPZ203A2	SB1568-2	04/12/08	0537	12.56	
19		PHC 50UG/ML	04/12/08	0812	12.56	
20		PHC 20UG/ML	04/14/08	1315	12.56	

QC LIMITS
S1 = O-Terphenyl (+/- 0.38 MINUTES)

Column used to flag retention time values with an asterisk.
* Values outside of QC limits.

FORM VIII DRO

FORM 8
DRO ANALYTICAL SEQUENCE

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 426 NLON SDG No.: CTO426-2

GC Column: ZB-1 ID: 0.53 (mm) Init. Calib. Date(s): 04/08/08 04/08/08

Instrument ID: GC10

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION
S1 : 12.56

	CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	S1 RT #	RT #
01	WG49860-BLAN	WG49860-1RA	04/14/08	1541	12.56	
02		PHC 50UG/ML	04/14/08	2325	12.55	
03						
04						
05						
06						
07						
08						
09						
10						
11						
12						
13						
14						
15						
16						
17						
18						
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20						

QC LIMITS
S1 = O-Terphenyl (+/- 0.38 MINUTES)

Column used to flag retention time values with an asterisk.
* Values outside of QC limits.

FORM VIII DRO

VOLATILES DATA

QC Summary Section

FORM 2
WATER VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 426 NLON SDG No.: CTO426-2

	CLIENT SAMPLE ID	LAB SAMPLE ID	SMC1 DBF#	SMC2 DCA#	SMC3 TOL#	SMC4 BFB#	TOT OUT
01	WG49739-LCS	WG49739-1	87	83	92	91	0
02	WG49739-BLANK	WG49739-2	89	86	93	92	0
03	AWD-GW-TB1	SB1520-1	88	87	93	92	0
04	DGWMW10120080324	SB1520-2	92	91	93	92	0
05	AWDGWMW10220080324	SB1520-3	92	91	94	93	0
06	AWDGWMW10320080325	SB1520-4	94	93	95	94	0
07	AWDGWMW10420080325	SB1520-5	94	93	94	93	0
08	AWDGWMW20120080325	SB1520-6	93	95	95	92	0
09	AWDGWMW1420080325	SB1520-7	96	95	95	96	0
10	AWDGWMW20220080325	SB1520-8	94	96	95	96	0
11	AWDGWMW30420080325	SB1520-9	94	94	95	94	0
12	DGWMW10120080324MS	WG49739-3	93	92	95	95	0
13	DGWMW10120080324MSD	WG49739-4	93	90	94	96	0
14	WG49763-LCS	WG49763-1	89	84	93	93	0
15	WG49763-BLANK	WG49763-2	86	84	92	90	0
16	AWD-GW-TB2	SB1567-1	88	86	93	92	0
17	AWDGWMW30520080325	SB1567-2	89	88	95	94	0
18	AWDGWMW30120080326	SB1567-3	92	91	95	95	0
19	AWDGWMW40120080326	SB1567-4	90	90	93	93	0
20	AWDGWMW30220080326	SB1567-5	93	93	95	95	0
21	AWDGWMW30320080326	SB1567-6	95	94	95	96	0
22	AWDGWMW40220080326	SB1567-7	90	86	94	94	0
23	AWD-GW-DUP2	SB1567-8	88	85	92	93	0
24	AWDGWMW40320080327	SB1567-9	88	84	92	92	0
25	AWD-GW-DUP1	SB1567-10	89	85	93	93	0
26	AWDSWSW120080327	SB1567-11	88	86	93	93	0
27	AWD-SW-DUP1	SB1567-12	88	84	92	93	0
28	AWDGWMW40420080327	SB1567-13	86	85	90	91	0

		QC LIMITS
SMC1 (DBF)	= Dibromofluoromethane	(76-114)
SMC2 (DCA)	= 1,2-Dichloroethane-D4	(71-128)
SMC3 (TOL)	= Toluene-D8	(74-117)
SMC4 (BFB)	= P-Bromofluorobenzene	(67-127)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D System Monitoring Compound diluted out

Katahdin Analytical Services 1000003

FORM 2
WATER VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 426 NLON SDG No.: CTO426-2

	CLIENT SAMPLE ID	LAB SAMPLE ID	SMC1 DBF#	SMC2 DCA#	SMC3 TOL#	SMC4 BFB#	TOT OUT
01	WG49847-LCS	WG49847-1	86	84	93	93	0
02	WG49847-BLANK	WG49847-2	86	89	95	94	0
03	AWD-SW-TB3	SB1568-1	88	91	95	93	0
04	AWDSWPZ203A20080327	SB1568-2	89	94	96	93	0
05							
06							
07							
08							
09							
10							
11							
12							
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25							
26							
27							
28							

		QC LIMITS
SMC1 (DBF)	= Dibromofluoromethane	(76-114)
SMC2 (DCA)	= 1,2-Dichloroethane-D4	(71-128)
SMC3 (TOL)	= Toluene-D8	(74-117)
SMC4 (BFB)	= P-Bromofluorobenzene	(67-127)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D System Monitoring Compound diluted out

Katahdin Analytical Services 1000004

FORM 4
VOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE ID

WG49739-BLANK

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 426 NLON SDG No.: CTO426-2

Lab File ID: T9821 Lab Sample ID: WG49739-2

Date Analyzed: 03/27/08 Time Analyzed: 1157

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	WG49739-LCS	WG49739-1	T9818	03/27/08	0940
02	AWD-GW-TB1	SB1520-1	T9822	03/27/08	1229
03	DGWMW10120080324	SB1520-2	T9826	03/27/08	1436
04	AWDGWMW10220080324	SB1520-3	T9827	03/27/08	1508
05	AWDGWMW10320080325	SB1520-4	T9828	03/27/08	1540
06	AWDGWMW10420080325	SB1520-5	T9829	03/27/08	1612
07	AWDGWMW20120080325	SB1520-6	T9830	03/27/08	1644
08	AWDGWMW1420080325	SB1520-7	T9831	03/27/08	1716
09	AWDGWMW20220080325	SB1520-8	T9832	03/27/08	1748
10	AWDGWMW30420080325	SB1520-9	T9833	03/27/08	1820
11	DGWMW10120080324MS	WG49739-3	T9834	03/27/08	1852
12	DGWMW10120080324MSD	WG49739-4	T9835	03/27/08	1924
13					
14					
15					
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COMMENTS:

FORM IVVOA

FORM 4
VOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE ID

WG49763-BLANK

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 426 NLON SDG No.: CTO426-2

Lab File ID: T9844 Lab Sample ID: WG49763-2

Date Analyzed: 03/28/08 Time Analyzed: 1319

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	WG49763-LCS	WG49763-1	T9842	03/28/08	1203
02	AWD-GW-TB2	SB1567-1	T9845	03/28/08	1413
03	AWDGWMW30520080325	SB1567-2	T9846	03/28/08	1445
04	AWDGWMW30120080326	SB1567-3	T9847	03/28/08	1517
05	AWDGWMW40120080326	SB1567-4	T9848	03/28/08	1548
06	AWDGWMW30220080326	SB1567-5	T9849	03/28/08	1620
07	AWDGWMW30320080326	SB1567-6	T9850	03/28/08	1652
08	AWDGWMW40220080326	SB1567-7	T9851	03/28/08	1724
09	AWD-GW-DUP2	SB1567-8	T9852	03/28/08	1756
10	AWDGWMW40320080327	SB1567-9	T9853	03/28/08	1828
11	AWD-GW-DUP1	SB1567-10	T9854	03/28/08	1900
12	AWDSWSW120080327	SB1567-11	T9855	03/28/08	1931
13	AWD-SW-DUP1	SB1567-12	T9856	03/28/08	2003
14	AWDGWMW40420080327	SB1567-13	T9857	03/28/08	2035
15					
16					
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22					
23					
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28					
29					
30					

COMMENTS:

FORM IVVOA

FORM 4
VOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE ID

WG49847-BLANK

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 426 NLON SDG No.: CTO426-2

Lab File ID: T9877 Lab Sample ID: WG49847-2

Date Analyzed: 04/01/08 Time Analyzed: 1416

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	WG49847-LCS	WG49847-1	T9875	04/01/08	1256
02	AWD-SW-TB3	SB1568-1	T9879	04/01/08	1541
03	AWDSWPZ203A20080327	SB1568-2	T9883	04/01/08	1748
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
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COMMENTS:

FORM IVVOA

Katahdin Analytical Services 1000007

FORM 5
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 426 NLON SDG No.: CTO426-2

Lab File ID: TB590 BFB Injection Date: 03/26/08

Instrument ID: GCMS-T BFB Injection Time: 0813

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	21.4
75	30.0 - 60.0% of mass 95	42.4
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	7.7
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	Greater than 50.0% of mass 95	76.2
175	5.0 - 9.0% of mass 174	6.0 (7.9)1
176	95.0 - 101.0% of mass 174	73.7 (96.7)1
177	5.0 - 9.0% of mass 176	4.7 (6.3)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01		VSTD200T26A	T9808	03/26/08	1117
02		VSTD100T26A	T9809	03/26/08	1148
03		VSTD050T26C	T9810	03/26/08	1220
04		VSTD020T26A	T9811	03/26/08	1252
05		VSTD005T26A	T9812	03/26/08	1324
06		VSTD001T26A	T9813	03/26/08	1356
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FORM V VOA

FORM 5
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 426 NLON SDG No.: CTO426-2

Lab File ID: TB591 BFB Injection Date: 03/27/08

Instrument ID: GCMS-T BFB Injection Time: 0831

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	16.2
75	30.0 - 60.0% of mass 95	39.9
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.4
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	Greater than 50.0% of mass 95	99.4
175	5.0 - 9.0% of mass 174	7.6 (7.7)1
176	95.0 - 101.0% of mass 174	95.7 (96.3)1
177	5.0 - 9.0% of mass 176	7.5 (7.9)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01		VSTD050T27A	T9817	03/27/08	0855
02	WG49739-LCS	WG49739-1	T9818	03/27/08	0940
03	WG49739-BLANK	WG49739-2	T9821	03/27/08	1157
04	AWD-GW-TB1	SB1520-1	T9822	03/27/08	1229
05	DGWMW10120080324	SB1520-2	T9826	03/27/08	1436
06	AWDGWMW10220080324	SB1520-3	T9827	03/27/08	1508
07	AWDGWMW10320080325	SB1520-4	T9828	03/27/08	1540
08	AWDGWMW10420080325	SB1520-5	T9829	03/27/08	1612
09	AWDGWMW20120080325	SB1520-6	T9830	03/27/08	1644
10	AWDGWMW1420080325	SB1520-7	T9831	03/27/08	1716
11	AWDGWMW20220080325	SB1520-8	T9832	03/27/08	1748
12	AWDGWMW30420080325	SB1520-9	T9833	03/27/08	1820
13	DGWMW10120080324MS	WG49739-3	T9834	03/27/08	1852
14	DGWMW10120080324MSD	WG49739-4	T9835	03/27/08	1924
15					
16					
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18					
19					
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21					
22					

FORM V VOA

FORM 5
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 426 NLON SDG No.: CTO426-2

Lab File ID: TB592 BFB Injection Date: 03/28/08

Instrument ID: GCMS-T BFB Injection Time: 0912

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	22.8
75	30.0 - 60.0% of mass 95	44.0
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.5
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	Greater than 50.0% of mass 95	66.6
175	5.0 - 9.0% of mass 174	5.0 (7.5)1
176	95.0 - 101.0% of mass 174	67.1 (100.8)1
177	5.0 - 9.0% of mass 176	3.9 (5.8)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01		VSTD050T28A	T9838	03/28/08	0937
02	WG49763-LCS	WG49763-1	T9842	03/28/08	1203
03	WG49763-BLANK	WG49763-2	T9844	03/28/08	1319
04	AWD-GW-TB2	SB1567-1	T9845	03/28/08	1413
05	AWDGWMW30520080325	SB1567-2	T9846	03/28/08	1445
06	AWDGWMW30120080326	SB1567-3	T9847	03/28/08	1517
07	AWDGWMW40120080326	SB1567-4	T9848	03/28/08	1548
08	AWDGWMW30220080326	SB1567-5	T9849	03/28/08	1620
09	AWDGWMW30320080326	SB1567-6	T9850	03/28/08	1652
10	AWDGWMW40220080326	SB1567-7	T9851	03/28/08	1724
11	AWD-GW-DUP2	SB1567-8	T9852	03/28/08	1756
12	AWDGWMW40320080327	SB1567-9	T9853	03/28/08	1828
13	AWD-GW-DUP1	SB1567-10	T9854	03/28/08	1900
14	AWDSWSW120080327	SB1567-11	T9855	03/28/08	1931
15	AWD-SW-DUP1	SB1567-12	T9856	03/28/08	2003
16	AWDGWMW40420080327	SB1567-13	T9857	03/28/08	2035
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22					

FORM V VOA

FORM 5
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 426 NLON SDG No.: CTO426-2

Lab File ID: TB594 BFB Injection Date: 04/01/08

Instrument ID: GCMS-T BFB Injection Time: 1115

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	19.4
75	30.0 - 60.0% of mass 95	40.8
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.5
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	Greater than 50.0% of mass 95	77.0
175	5.0 - 9.0% of mass 174	4.3 (5.6)1
176	95.0 - 101.0% of mass 174	74.3 (96.5)1
177	5.0 - 9.0% of mass 176	4.9 (6.6)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01		VSTD050T01A	T9874	04/01/08	1139
02	WG49847-LCS	WG49847-1	T9875	04/01/08	1256
03	WG49847-BLANK	WG49847-2	T9877	04/01/08	1416
04	AWD-SW-TB3	SB1568-1	T9879	04/01/08	1541
05	AWDSWPZ203A20080327	SB1568-2	T9883	04/01/08	1748
06					
07					
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FORM V VOA

FORM 8
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 426 NLON SDG No.: CTO426-2

Lab File ID (Standard): T9817 Date Analyzed: 03/27/08

Instrument ID: GCMS-T Time Analyzed: 0855

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) N

	IS1(PFB) AREA #	RT #	IS2(DFB) AREA #	RT #	IS3(CBZ) AREA #	RT #
12 HOUR STD	1240417	10.11	2035750	10.76	1652370	14.32
UPPER LIMIT	2480834	10.61	4071500	11.26	3304740	14.82
LOWER LIMIT	620209	9.61	1017875	10.26	826185	13.82

	CLIENT SAMPLE ID	LAB SAMPLE ID						
01	WG49739-LCS	WG49739-1	1276615	10.12	2075422	10.76	1701009	14.33
02	WG49739-BLANK	WG49739-2	1292412	10.11	2087020	10.76	1727174	14.33
03	AWD-GW-TB1	SB1520-1	1274398	10.12	2079111	10.76	1718141	14.33
04	DGWMW10120080324	SB1520-2	1311844	10.12	2236451	10.76	1839395	14.32
05	AWDGWMW10220080324	SB1520-3	1267522	10.11	2143668	10.76	1798008	14.33
06	AWDGWMW10320080325	SB1520-4	1269456	10.12	2188957	10.76	1810914	14.32
07	AWDGWMW10420080325	SB1520-5	1253927	10.12	2160712	10.77	1780256	14.33
08	AWDGWMW20120080325	SB1520-6	1238243	10.12	2162438	10.76	1792635	14.33
09	AWDGWMW1420080325	SB1520-7	1231452	10.12	2128096	10.76	1790670	14.33
10	AWDGWMW20220080325	SB1520-8	1233848	10.12	2143689	10.77	1780752	14.32
11	AWDGWMW30420080325	SB1520-9	1255138	10.11	2173394	10.76	1782284	14.32
12	DGWMW10120080324MS	WG49739-3	1231226	10.11	2135797	10.76	1769964	14.32
13	DGWMW10120080324MSD	WG49739-4	1240370	10.11	2132547	10.76	1771044	14.32
14								
15								
16								
17								
18								
19								
20								

IS1 (PFB) = Pentafluorobenzene
IS2 (DFB) = 1,4-Difluorobenzene
IS3 (CBZ) = Chlorobenzene-D5

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

FORM VIII VOA

FORM 8
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 426 NLON SDG No.: CTO426-2

Lab File ID (Standard): T9817 Date Analyzed: 03/27/08

Instrument ID: GCMS-T Time Analyzed: 0855

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) N

	IS4(DCB) AREA #	RT #	AREA #	RT #	AREA #	RT #
12 HOUR STD	860267	17.50				
UPPER LIMIT	1720534	18.00				
LOWER LIMIT	430134	17.00				

	CLIENT SAMPLE ID	LAB SAMPLE ID						
01	WG49739-LCS	WG49739-1	881397	17.51				
02	WG49739-BLANK	WG49739-2	861166	17.51				
03	AWD-GW-TB1	SB1520-1	842416	17.51				
04	DGWMW10120080324	SB1520-2	899610	17.51				
05	AWDGWMW10220080324	SB1520-3	875573	17.51				
06	AWDGWMW10320080325	SB1520-4	873736	17.51				
07	AWDGWMW10420080325	SB1520-5	857730	17.51				
08	AWDGWMW20120080325	SB1520-6	850971	17.51				
09	AWDGWMW1420080325	SB1520-7	873507	17.51				
10	AWDGWMW20220080325	SB1520-8	867143	17.51				
11	AWDGWMW30420080325	SB1520-9	861876	17.50				
12	DGWMW10120080324MS	WG49739-3	881349	17.50				
13	DGWMW10120080324MSD	WG49739-4	875367	17.50				
14								
15								
16								
17								
18								
19								
20								

IS4 (DCB) = 1,4-Dichlorobenzene-D4

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

FORM 8
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 426 NLON SDG No.: CTO426-2

Lab File ID (Standard): T9838 Date Analyzed: 03/28/08

Instrument ID: GCMS-T Time Analyzed: 0937

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) N

	IS1(PFB) AREA #	RT #	IS2(DFB) AREA #	RT #	IS3(CBZ) AREA #	RT #
12 HOUR STD	1314984	10.12	2208803	10.76	1834563	14.33
UPPER LIMIT	2629968	10.62	4417606	11.26	3669126	14.83
LOWER LIMIT	657492	9.62	1104402	10.26	917282	13.83

	CLIENT SAMPLE ID	LAB SAMPLE ID						
01	WG49763-LCS	WG49763-1	1336436	10.12	2222877	10.76	1817606	14.33
02	WG49763-BLANK	WG49763-2	1361851	10.12	2231559	10.77	1866595	14.34
03	AWD-GW-TB2	SB1567-1	1343029	10.12	2229846	10.77	1847393	14.32
04	AWDGWMW30520080325	SB1567-2	1314994	10.12	2166791	10.76	1819932	14.33
05	AWDGWMW30120080326	SB1567-3	1279110	10.12	2175890	10.76	1813286	14.33
06	AWDGWMW40120080326	SB1567-4	1273765	10.12	2193152	10.77	1807142	14.32
07	AWDGWMW30220080326	SB1567-5	1272244	10.12	2197139	10.76	1839452	14.33
08	AWDGWMW30320080326	SB1567-6	1249593	10.12	2166825	10.76	1826500	14.33
09	AWDGWMW40220080326	SB1567-7	1328147	10.12	2206680	10.76	1842901	14.33
10	AWD-GW-DUP2	SB1567-8	1362376	10.12	2248204	10.77	1879556	14.32
11	AWDGWMW40320080327	SB1567-9	1375457	10.12	2235655	10.77	1868871	14.32
12	AWD-GW-DUP1	SB1567-10	1318009	10.12	2165876	10.76	1788899	14.31
13	AWDSWSW120080327	SB1567-11	1298375	10.11	2131296	10.76	1766385	14.32
14	AWD-SW-DUP1	SB1567-12	1303839	10.11	2118553	10.76	1763182	14.32
15	AWDGWMW40420080327	SB1567-13	1307955	10.11	2141168	10.76	1777429	14.32
16								
17								
18								
19								
20								

IS1 (PFB) = Pentafluorobenzene
IS2 (DFB) = 1,4-Difluorobenzene
IS3 (CBZ) = Chlorobenzene-D5

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

FORM VIII VOA

FORM 8
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 426 NLON SDG No.: CTO426-2

Lab File ID (Standard): T9838 Date Analyzed: 03/28/08

Instrument ID: GCMS-T Time Analyzed: 0937

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) N

	IS4(DCB) AREA #	RT #	AREA #	RT #	AREA #	RT #
12 HOUR STD	928023	17.51				
UPPER LIMIT	1856046	18.01				
LOWER LIMIT	464012	17.01				

	CLIENT SAMPLE ID	LAB SAMPLE ID						
01	WG49763-LCS	WG49763-1	920175	17.51				
02	WG49763-BLANK	WG49763-2	903375	17.53				
03	AWD-GW-TB2	SB1567-1	890638	17.51				
04	AWDGWMW30520080325	SB1567-2	870741	17.51				
05	AWDGWMW30120080326	SB1567-3	869006	17.51				
06	AWDGWMW40120080326	SB1567-4	860697	17.51				
07	AWDGWMW30220080326	SB1567-5	876761	17.51				
08	AWDGWMW30320080326	SB1567-6	892562	17.51				
09	AWDGWMW40220080326	SB1567-7	899464	17.51				
10	AWD-GW-DUP2	SB1567-8	908215	17.51				
11	AWDGWMW40320080327	SB1567-9	907809	17.50				
12	AWD-GW-DUP1	SB1567-10	874349	17.50				
13	AWDSWSW120080327	SB1567-11	862327	17.50				
14	AWD-SW-DUP1	SB1567-12	864838	17.50				
15	AWDGWMW40420080327	SB1567-13	878046	17.50				
16								
17								
18								
19								
20								

IS4 (DCB) = 1,4-Dichlorobenzene-D4

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

FORM 8
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 426 NLON SDG No.: CTO426-2

Lab File ID (Standard): T9874 Date Analyzed: 04/01/08

Instrument ID: GCMS-T Time Analyzed: 1139

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) N

	IS1(PFB) AREA #	RT #	IS2(DFB) AREA #	RT #	IS3(CBZ) AREA #	RT #
12 HOUR STD	1409194	10.12	2309084	10.76	1896005	14.33
UPPER LIMIT	2818388	10.62	4618168	11.26	3792010	14.83
LOWER LIMIT	704597	9.62	1154542	10.26	948003	13.83

	CLIENT SAMPLE ID	LAB SAMPLE ID						
01	WG49847-LCS	WG49847-1	1420834	10.12	2274343	10.77	1850271	14.34
02	WG49847-BLANK	WG49847-2	1377237	10.13	2236262	10.77	1838229	14.34
03	AWD-SW-TB3	SB1568-1	1345096	10.13	2197341	10.77	1813789	14.34
04	AWDSWPZ203A20080327	SB1568-2	1306063	10.12	2173694	10.77	1779130	14.34
05								
06								
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19								
20								

IS1 (PFB) = Pentafluorobenzene
IS2 (DFB) = 1,4-Difluorobenzene
IS3 (CBZ) = Chlorobenzene-D5

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

FORM VIII VOA

FORM 8
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 426 NLON SDG No.: CTO426-2

Lab File ID (Standard): T9874 Date Analyzed: 04/01/08

Instrument ID: GCMS-T Time Analyzed: 1139

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) N

		IS4(DCB) AREA #	RT #	AREA #	RT #	AREA #	RT #
12 HOUR STD		961550	17.51				
UPPER LIMIT		1923100	18.01				
LOWER LIMIT		480775	17.01				
CLIENT SAMPLE ID	LAB SAMPLE ID						
01 WG49847-LCS	WG49847-1	938511	17.52				
02 WG49847-BLANK	WG49847-2	890753	17.52				
03 AWD-SW-TB3	SB1568-1	863402	17.52				
04 AWDSWPZ203A20080327	SB1568-2	850601	17.52				
05							
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IS4 (DCB) = 1,4-Dichlorobenzene-D4

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

Sample Data Section

KATAHDIN ANALYTICAL SERVICES - ORGANIC DATA QUALIFIERS

U Indicates the compound was analyzed for but not detected above the laboratory Practical Quantitation Limit.

* Compound recovery outside of quality control limits.

D Indicates the result was obtained from analysis of a diluted sample. Surrogate recoveries may not be calculable.

E Estimated value. This flag identifies compounds whose concentrations exceed the upper level of the calibration range of the instrument for that specific analysis.

J Estimated value. The analyte was detected in the sample at a concentration less than the laboratory Practical Quantitation Limit (PQL), but above the Method Detection Limit (MDL).

or

J Used for Pesticide/Aroclor analyte when there is a greater than 40% difference for detected concentrations between the two GC columns.

B Indicates the analyte was detected in the laboratory method blank analyzed concurrently with the sample.

N Presumptive evidence of a compound based on a mass spectral library search.

A Indicates that a tentatively identified compound is a suspected aldol-condensation product.

P Used for Pesticide/Aroclor analyte when there is a greater than 25% difference for detected concentrations between the two GC columns. (for CLP methods only).

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
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 03/24/08
Received Date: 03/26/08
Extraction Date:
Analysis Date: 27-MAR-2008 12:29
Report Date: 04/02/2008
Matrix: WATER
% Solids: NA

Lab ID: SB1520-1
Client ID: AWD-GW-TB1
SDG: CTO426-2
Extracted by:
Extraction Method: SW846 5030
Analyst: eHCG
Analysis Method: SW846 8260B
Lab Prep Batch: WG49739
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
1634-04-4	Methyl tert-butyl ether	U	1	1.0	1	1	0.6
71-43-2	Benzene	U	1	1.0	1	1	0.4
108-88-3	Toluene	U	1	1.0	1	1	0.3
100-41-4	Ethylbenzene	U	1	1.0	1	1	0.4
1330-20-7	Xylenes (total)	U	3	1.0	3	3	0.4
	m+p-Xylenes	U	2	1.0	2	2	1.0
95-47-6	o-Xylene	U	1	1.0	1	1	0.4
98-82-8	Isopropylbenzene	U	1	1.0	1	1	0.5
91-20-3	Naphthalene	U	1	1.0	1	1	0.4
1868-53-7	Dibromofluoromethane		88%				
17060-07-0	1,2-Dichloroethane-D4		87%				
2037-26-5	Toluene-D8		93%				
460-00-4	P-Bromofluorobenzene		92%				

Data File: \\Target_server\GG\chem\gcms-t.i\T032708.b\T9822.D
Report Date: 02-Apr-2008 09:23

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gcms-t.i\T032708.b\T9822.D
Lab Smp Id: SB1520-1 Client Smp ID: AWD-GW-TB1
Inj Date : 27-MAR-2008 12:29 MS Autotune Date: 05-MAR-2008 13:39
Operator : eHCG Inst ID: gcms-t.i
Smp Info : SB1520-1
Misc Info : SW846 8260B
Comment :
Method : \\Target_server\GG\chem\gcms-t.i\T032708.b\T826a80.m
Meth Date : 27-Mar-2008 11:37 hgroshong Quant Type: ISTD
Cal Date : 26-MAR-2008 13:56 Cal File: T9813.D
Als bottle: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TETRAT426001.sub
Target Version: 4.12
Processing Host: MIS_2

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)
$ 37 Dibromofluoromethane	113	9.432	9.437	(0.932)	773049	44.2609	44.3
$ 45 1,2-Dichloroethane-D4	65	10.165	10.169	(1.005)	716472	43.5871	43.6
$ 55 Toluene-D8	98	12.361	12.365	(1.149)	2436614	46.4775	46.5
$ 76 P-Bromofluorobenzene	95	15.940	15.944	(1.482)	971188	45.8426	45.8
* 42 Pentafluorobenzene	168	10.118	10.122	(1.000)	1274398	50.0000	
* 49 1,4-Difluorobenzene	114	10.757	10.761	(1.000)	2079111	50.0000	
* 66 Chlorobenzene-D5	117	14.325	14.329	(1.000)	1718141	50.0000	
* 91 1,4-Dichlorobenzene-D4	152	17.509	17.513	(1.000)	842416	50.0000	

Data File: \\Target_server\GG\chem\gcms-t.i\T032708.b\T9822.D
Report Date: 02-Apr-2008 09:23

Katahdin Analytical Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcms-t.i
Lab File ID: T9822.D
Lab Smp Id: SB1520-1
Analysis Type: VOA
Quant Type: ISTD
Operator: eHCG
Calibration Date: 27-MAR-2008
Calibration Time: 08:55
Client Smp ID: AWD-GW-TB1
Level: LOW
Sample Type: WATER
Method File: \\Target_server\GG\chem\gcms-t.i\T032708.b\T826a80.m
Misc Info: SW846 8260B

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 4

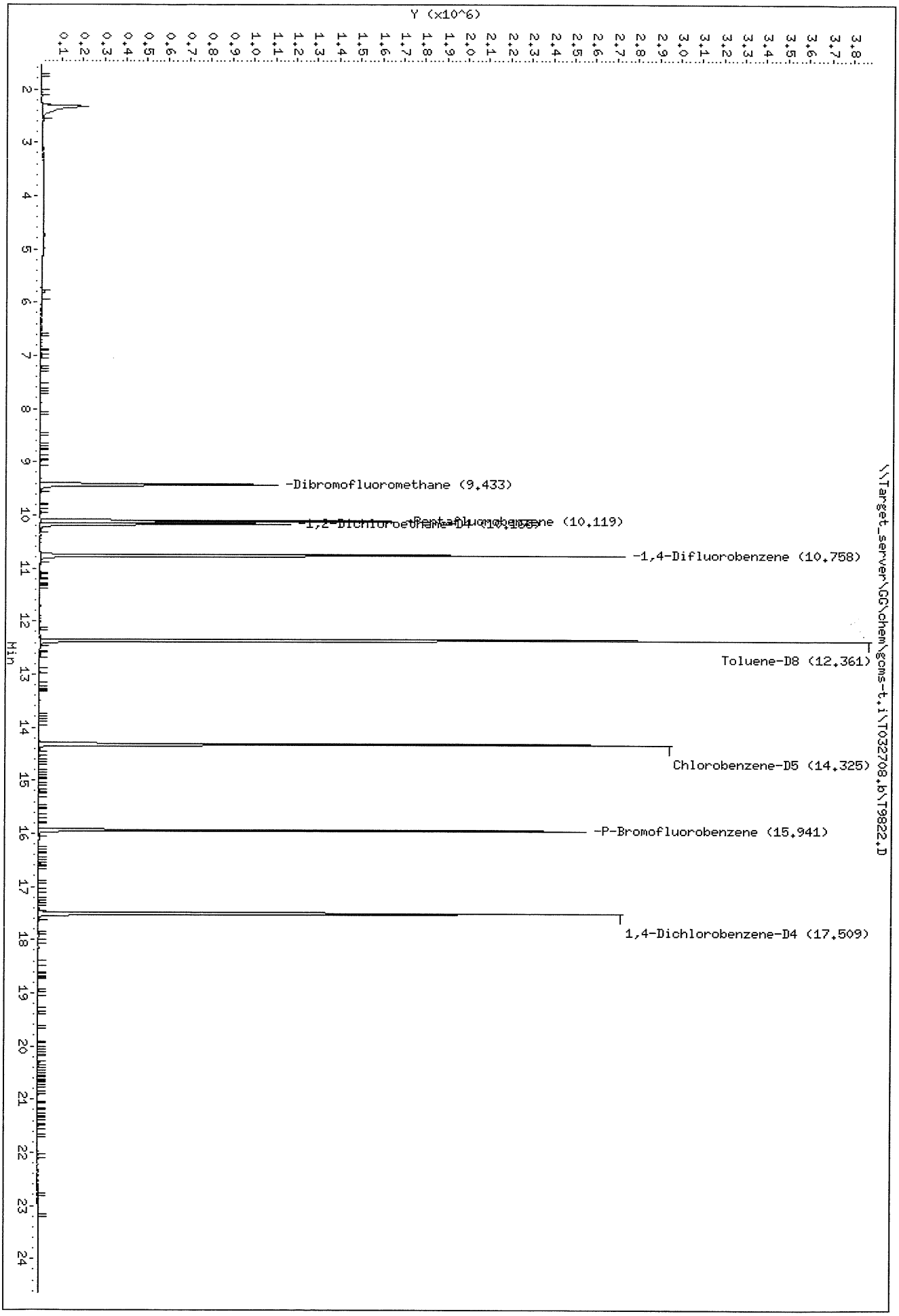
COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	1240417	620209	2480834	1274398	2.74
49 1,4-Difluorobenze	2035750	1017875	4071500	2079111	2.13
66 Chlorobenzene-D5	1652370	826185	3304740	1718141	3.98
91 1,4-Dichlorobenze	860267	430134	1720534	842416	-2.08

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	10.11	9.61	10.61	10.12	0.07
49 1,4-Difluorobenze	10.76	10.26	11.26	10.76	-0.04
66 Chlorobenzene-D5	14.32	13.82	14.82	14.33	0.05
91 1,4-Dichlorobenze	17.50	17.00	18.00	17.51	0.04

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.

Data File: \\Target_server\GC\chem\gcms-t.i\T032708.b\T9822.D
Date : 27-MAR-2008 12:29
Client ID: AWD-GW-TB1
Sample Info: SB1520-1

Instrument: gcms-t.i



KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 03/24/08
Received Date: 03/26/08
Extraction Date:
Analysis Date: 27-MAR-2008 14:36
Report Date: 04/02/2008
Matrix: WATER
% Solids: NA

Lab ID: SB1520-2
Client ID: DGWMW10120080324
SDG: CTO426-2
Extracted by:
Extraction Method: SW846 5030
Analyst: HCG
Analysis Method: SW846 8260B
Lab Prep Batch: WG49739
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
1634-04-4	Methyl tert-butyl ether	U	1	1.0	1	1	0.6
71-43-2	Benzene	U	1	1.0	1	1	0.4
108-88-3	Toluene	U	1	1.0	1	1	0.3
100-41-4	Ethylbenzene	U	1	1.0	1	1	0.4
1330-20-7	Xylenes (total)	U	3	1.0	3	3	0.4
	m+p-Xylenes	U	2	1.0	2	2	1.0
95-47-6	o-Xylene	U	1	1.0	1	1	0.4
98-82-8	Isopropylbenzene	U	1	1.0	1	1	0.5
91-20-3	Naphthalene	U	1	1.0	1	1	0.4
1868-53-7	Dibromofluoromethane		92%				
17060-07-0	1,2-Dichloroethane-D4		91%				
2037-26-5	Toluene-D8		93%				
460-00-4	P-Bromofluorobenzene		92%				

Data File: \\Target_server\GG\chem\gcms-t.i\T032708.b\T9826.D
Report Date: 02-Apr-2008 10:44

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gcms-t.i\T032708.b\T9826.D
Lab Smp Id: SB1520-2 Client Smp ID: DGWMW10120080324
Inj Date : 27-MAR-2008 14:36 MS Autotune Date: 05-MAR-2008 13:39
Operator : HCG Inst ID: gcms-t.i
Smp Info : SB1520-2
Misc Info : SW846 8260B
Comment :
Method : \\Target_server\GG\chem\gcms-t.i\T032708.b\T826a80.m
Meth Date : 27-Mar-2008 11:37 hgroshong Quant Type: ISTD
Cal Date : 26-MAR-2008 13:56 Cal File: T9813.D
Als bottle: 10
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TETRAT426001.sub
Target Version: 4.12
Processing Host: MIS_2

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)
$ 37 Dibromofluoromethane	113	9.432	9.437	(0.932)	825932	45.9388	45.9
$ 45 1,2-Dichloroethane-D4	65	10.164	10.169	(1.005)	771011	45.5661	45.6
$ 55 Toluene-D8	98	12.360	12.365	(1.149)	2636287	46.7484	46.7
$ 76 P-Bromofluorobenzene	95	15.940	15.944	(1.482)	1054477	46.2723	46.3
* 42 Pentafluorobenzene	168	10.118	10.122	(1.000)	1311844	50.0000	
* 49 1,4-Difluorobenzene	114	10.757	10.761	(1.000)	2236451	50.0000	
* 66 Chlorobenzene-D5	117	14.324	14.329	(1.000)	1839395	50.0000	
* 91 1,4-Dichlorobenzene-D4	152	17.508	17.513	(1.000)	899610	50.0000	

Data File: \\Target_server\GG\chem\gcms-t.i\T032708.b\T9826.D
Report Date: 02-Apr-2008 10:44

Katahdin Analytical Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcms-t.i
Lab File ID: T9826.D
Lab Smp Id: SB1520-2
Analysis Type: VOA
Quant Type: ISTD
Operator: HCG
Method File: \\Target_server\GG\chem\gcms-t.i\T032708.b\T826a80.m
Misc Info: SW846 8260B

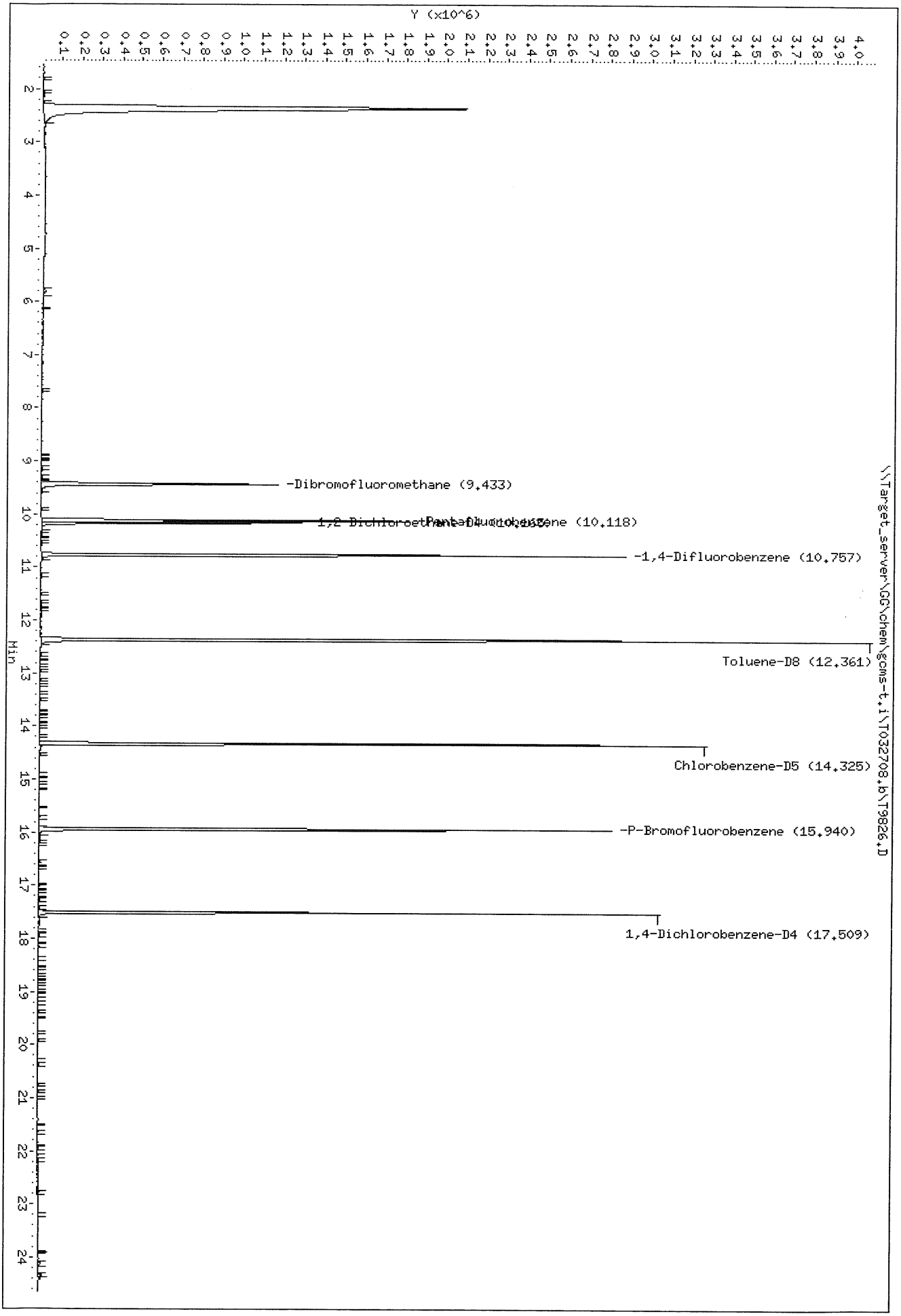
Calibration Date: 27-MAR-2008
Calibration Time: 08:55
Client Smp ID: DGWMW1012008032
Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 4

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	1240417	620209	2480834	1311844	5.76
49 1,4-Difluorobenze	2035750	1017875	4071500	2236451	9.86
66 Chlorobenzene-D5	1652370	826185	3304740	1839395	11.32
91 1,4-Dichlorobenze	860267	430134	1720534	899610	4.57

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	10.11	9.61	10.61	10.12	0.07
49 1,4-Difluorobenze	10.76	10.26	11.26	10.76	-0.05
66 Chlorobenzene-D5	14.32	13.82	14.82	14.32	0.05
91 1,4-Dichlorobenze	17.50	17.00	18.00	17.51	0.04

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.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Date : 27-MAR-2008 14:36
Client ID: DGHM101200803 24
Sample Info: SB1520-2
Instrument: gcms-t.i
\\Target_server\GC\chem\gcms-t.i\T032708.b\T9826.D
Y (x10^6)
Min
-Dibromofluoromethane (9.433)
1,2-Dichloroethane-D4 (10.032)
Pentafluorobenzene (10.118)
-1,4-Difluorobenzene (10.757)
Toluene-D8 (12.361)
Chlorobenzene-D5 (14.325)
-P-Bromofluorobenzene (15.940)
1,4-Dichlorobenzene-D4 (17.509)

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 03/24/08
Received Date: 03/26/08
Extraction Date:
Analysis Date: 27-MAR-2008 15:08
Report Date: 04/02/2008
Matrix: WATER
% Solids: NA

Lab ID: SB1520-3
Client ID: AWDGWMW10220080324
SDG: CTO426-2
Extracted by:
Extraction Method: SW846 5030
Analyst: HCG
Analysis Method: SW846 8260B
Lab Prep Batch: WG49739
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
1634-04-4	Methyl tert-butyl ether	U	1	1.0	1	1	0.6
71-43-2	Benzene	U	1	1.0	1	1	0.4
108-88-3	Toluene	U	1	1.0	1	1	0.3
100-41-4	Ethylbenzene	U	1	1.0	1	1	0.4
1330-20-7	Xylenes (total)	U	3	1.0	3	3	0.4
	m+p-Xylenes	U	2	1.0	2	2	1.0
95-47-6	o-Xylene	U	1	1.0	1	1	0.4
98-82-8	Isopropylbenzene	U	1	1.0	1	1	0.5
91-20-3	Naphthalene	J	0.4	1.0	1	1	0.4
1868-53-7	Dibromofluoromethane		92%				
17060-07-0	1,2-Dichloroethane-D4		91%				
2037-26-5	Toluene-D8		94%				
460-00-4	P-Bromofluorobenzene		93%				

Data File: \\Target_server\GG\chem\gcms-t.i\T032708.b\T9827.D
Report Date: 02-Apr-2008 09:23

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gcms-t.i\T032708.b\T9827.D
Lab Smp Id: SB1520-3 Client Smp ID: AWDGWMW10220080324
Inj Date : 27-MAR-2008 15:08 MS Autotune Date: 05-MAR-2008 13:39
Operator : HCG Inst ID: gcms-t.i
Smp Info : SB1520-3
Misc Info : SW846 8260B
Comment :
Method : \\Target_server\GG\chem\gcms-t.i\T032708.b\T826a80.m
Meth Date : 27-Mar-2008 11:37 hgroshong Quant Type: ISTD
Cal Date : 26-MAR-2008 13:56 Cal File: T9813.D
Als bottle: 11
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TETRAT426001.sub
Target Version: 4.12
Processing Host: MIS_2

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)
101 Naphthalene	128	20.883	20.895	(1.192)	12909	0.45258	0.45(a)
$ 37 Dibromofluoromethane	113	9.437	9.437	(0.933)	802373	46.1890	46.2
$ 45 1,2-Dichloroethane-D4	65	10.169	10.169	(1.006)	747230	45.7048	45.7
$ 55 Toluene-D8	98	12.365	12.365	(1.149)	2549811	47.1720	47.2
$ 76 P-Bromofluorobenzene	95	15.933	15.944	(1.481)	1015718	46.5006	46.5
* 42 Pentafluorobenzene	168	10.111	10.122	(1.000)	1267522	50.0000	
* 49 1,4-Difluorobenzene	114	10.762	10.761	(1.000)	2143668	50.0000	
* 66 Chlorobenzene-D5	117	14.329	14.329	(1.000)	1798008	50.0000	
* 91 1,4-Dichlorobenzene-D4	152	17.513	17.513	(1.000)	875573	50.0000	

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: \\Target_server\GG\chem\gcms-t.i\T032708.b\T9827.D
Report Date: 02-Apr-2008 09:23

Katahdin Analytical Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcms-t.i
Lab File ID: T9827.D
Lab Smp Id: SB1520-3
Analysis Type: VOA
Quant Type: ISTD
Operator: HCG
Method File: \\Target_server\GG\chem\gcms-t.i\T032708.b\T826a80.m
Misc Info: SW846 8260B

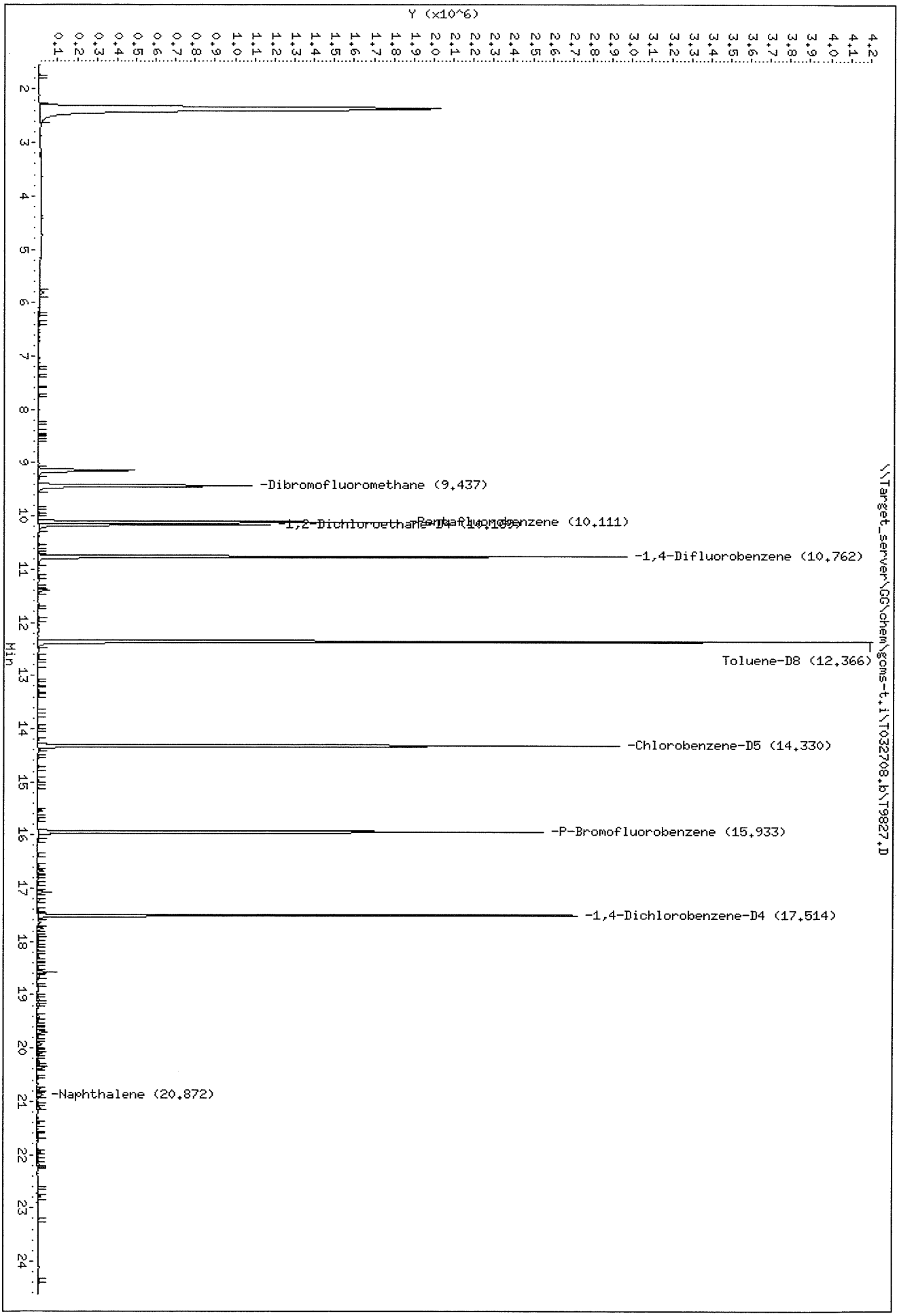
Calibration Date: 27-MAR-2008
Calibration Time: 08:55
Client Smp ID: AWDGWMW10220080
Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 4

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	1240417	620209	2480834	1267522	2.19
49 1,4-Difluorobenze	2035750	1017875	4071500	2143668	5.30
66 Chlorobenzene-D5	1652370	826185	3304740	1798008	8.81
91 1,4-Dichlorobenze	860267	430134	1720534	875573	1.78

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	10.11	9.61	10.61	10.11	-0.00
49 1,4-Difluorobenze	10.76	10.26	11.26	10.76	-0.00
66 Chlorobenzene-D5	14.32	13.82	14.82	14.33	0.08
91 1,4-Dichlorobenze	17.50	17.00	18.00	17.51	0.06

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.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Date : 27-MAR-2008 15:08
Client ID: AWDCWMW102200803 24
Sample Info: SB1520-3
Instrument: gcms-t.i
\\Target_server\GC\chem\gcms-t.i\T032708.b\T9827.D
Y (x10^6)
Min
-Dibromofluoromethane (9.437)
-1,2-Dichloroethane-D4 (10.189)
-Pentafluorobenzene (10.111)
-1,4-Difluorobenzene (10.762)
Toluene-D8 (12.366)
-Chlorobenzene-D5 (14.330)
-P-Bromofluorobenzene (15.933)
-1,4-Dichlorobenzene-D4 (17.514)
-Naphthalene (20.872)

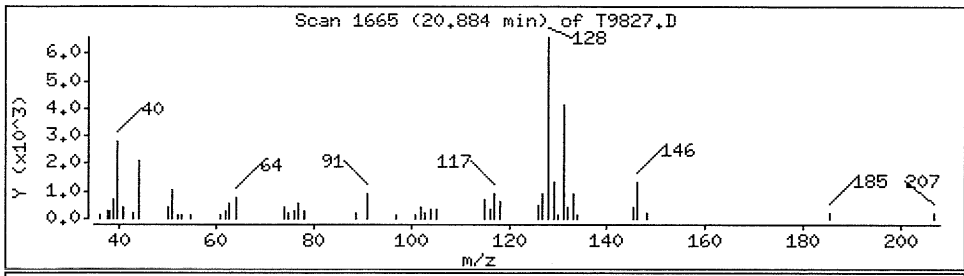
Data File: \\Target_server\GC\chem\gcms-t.i\T032708.b\T9827.D

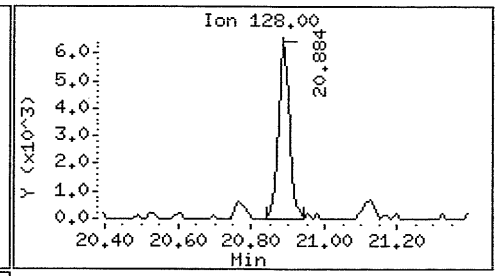
Date : 27-MAR-2008 15:08

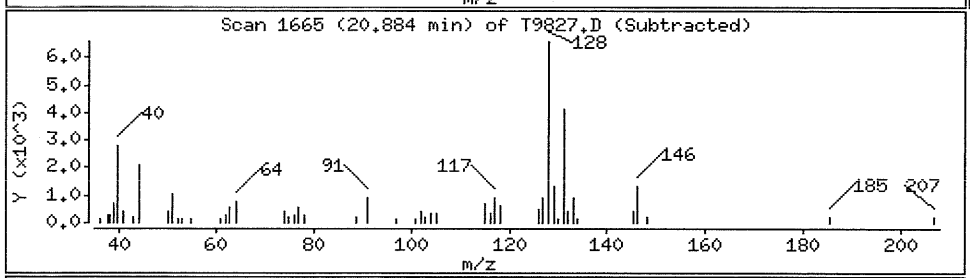
Client ID: AWDGWMW10220080324 Instrument: gcms-t.i

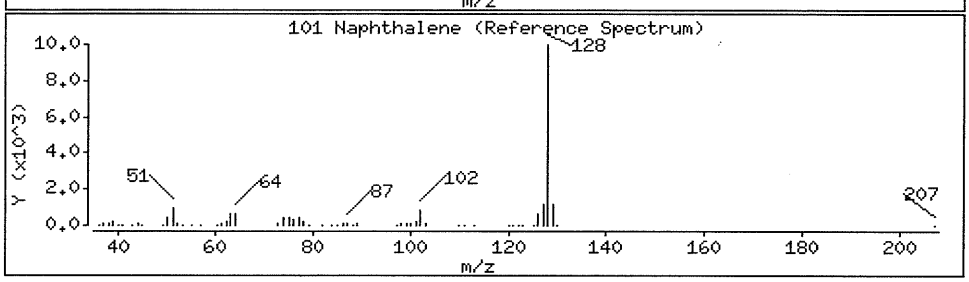
Sample Info: SB1520-3

101 Naphthalene Concentration: 0.45 ug/l









KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 03/25/08
Received Date: 03/26/08
Extraction Date:
Analysis Date: 27-MAR-2008 15:40
Report Date: 04/02/2008
Matrix: WATER
% Solids: NA

Lab ID: SB1520-4
Client ID: AWDGWMW10320080325
SDG: CTO426-2
Extracted by:
Extraction Method: SW846 5030
Analyst: HCG
Analysis Method: SW846 8260B
Lab Prep Batch: WG49739
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
1634-04-4	Methyl tert-butyl ether	U	1	1.0	1	1	0.6
71-43-2	Benzene	U	1	1.0	1	1	0.4
108-88-3	Toluene	U	1	1.0	1	1	0.3
100-41-4	Ethylbenzene	U	1	1.0	1	1	0.4
1330-20-7	Xylenes (total)	U	3	1.0	3	3	0.4
	m+p-Xylenes	U	2	1.0	2	2	1.0
95-47-6	o-Xylene	U	1	1.0	1	1	0.4
98-82-8	Isopropylbenzene	U	1	1.0	1	1	0.5
91-20-3	Naphthalene	U	1	1.0	1	1	0.4
1868-53-7	Dibromofluoromethane		94%				
17060-07-0	1,2-Dichloroethane-D4		93%				
2037-26-5	Toluene-D8		95%				
460-00-4	P-Bromofluorobenzene		94%				

Data File: \\Target_server\GG\chem\gcms-t.i\T032708.b\T9828.D
Report Date: 02-Apr-2008 09:23

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gcms-t.i\T032708.b\T9828.D
Lab Smp Id: SB1520-4 Client Smp ID: AWDGWMW10320080325
Inj Date : 27-MAR-2008 15:40 MS Autotune Date: 05-MAR-2008 13:39
Operator : HCG Inst ID: gcms-t.i
Smp Info : SB1520-4
Misc Info : SW846 8260B
Comment :
Method : \\Target_server\GG\chem\gcms-t.i\T032708.b\T826a80.m
Meth Date : 27-Mar-2008 11:37 hgroshong Quant Type: ISTD
Cal Date : 26-MAR-2008 13:56 Cal File: T9813.D
Als bottle: 12
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TETRAT426001.sub
Target Version: 4.12
Processing Host: MIS_2

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)
$ 37 Dibromofluoromethane	113	9.432	9.437	(0.932)	819675	47.1131	47.1
$ 45 1,2-Dichloroethane-D4	65	10.164	10.169	(1.005)	763711	46.6418	46.6
$ 55 Toluene-D8	98	12.360	12.365	(1.149)	2610940	47.3035	47.3
$ 76 P-Bromofluorobenzene	95	15.939	15.944	(1.482)	1043409	46.7800	46.8
* 42 Pentafluorobenzene	168	10.117	10.122	(1.000)	1269456	50.0000	
* 49 1,4-Difluorobenzene	114	10.757	10.761	(1.000)	2188957	50.0000	
* 66 Chlorobenzene-D5	117	14.324	14.329	(1.000)	1810914	50.0000	
* 91 1,4-Dichlorobenzene-D4	152	17.508	17.513	(1.000)	873736	50.0000	

Data File: \\Target_server\GG\chem\gcms-t.i\T032708.b\T9828.D
Report Date: 02-Apr-2008 09:23

Katahdin Analytical Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcms-t.i
Lab File ID: T9828.D
Lab Smp Id: SB1520-4
Analysis Type: VOA
Quant Type: ISTD
Operator: HCG
Method File: \\Target_server\GG\chem\gcms-t.i\T032708.b\T826a80.m
Misc Info: SW846 8260B

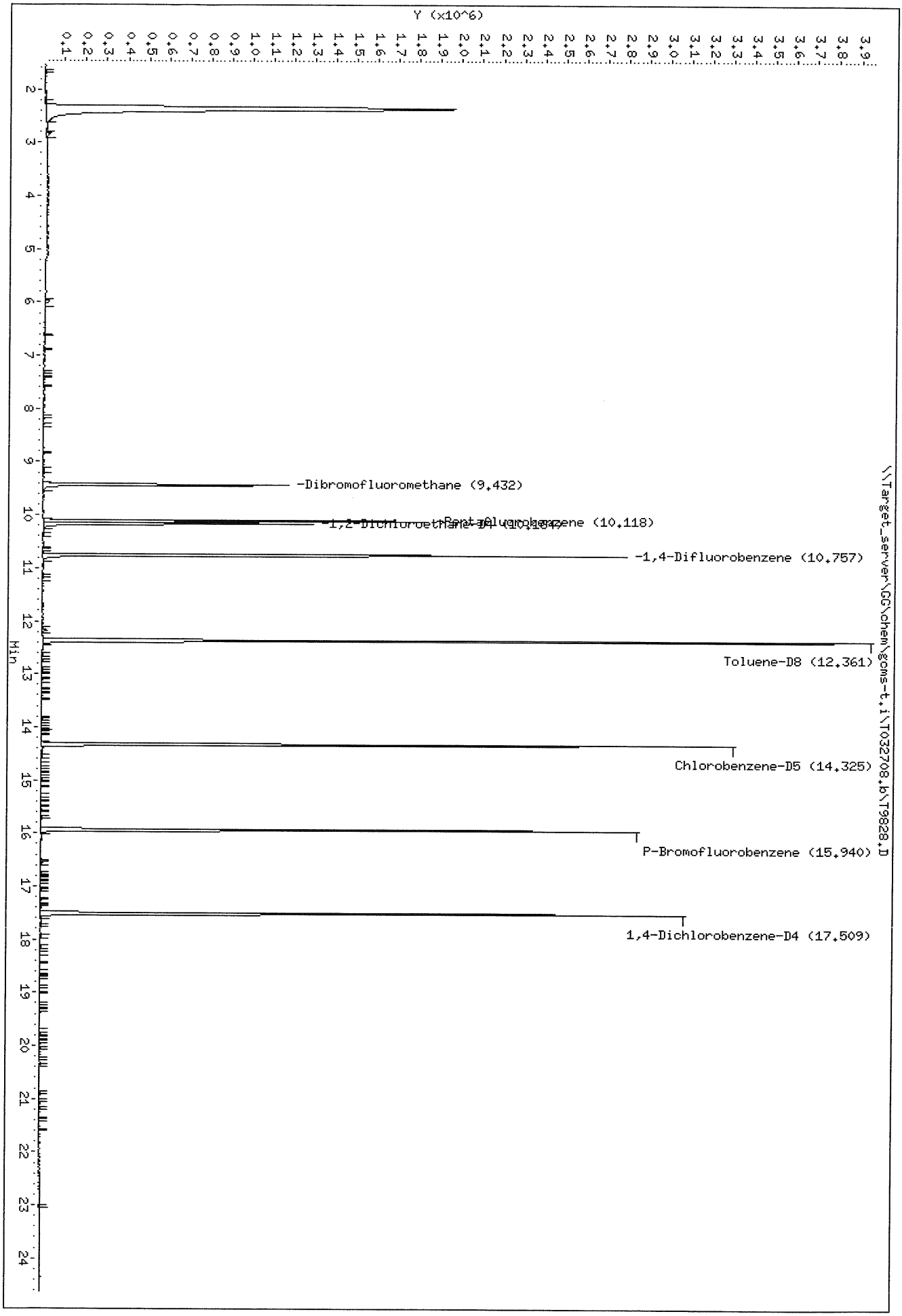
Calibration Date: 27-MAR-2008
Calibration Time: 08:55
Client Smp ID: AWDGWMW10320080
Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 4

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	1240417	620209	2480834	1269456	2.34
49 1,4-Difluorobenze	2035750	1017875	4071500	2188957	7.53
66 Chlorobenzene-D5	1652370	826185	3304740	1810914	9.59
91 1,4-Dichlorobenze	860267	430134	1720534	873736	1.57

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	10.11	9.61	10.61	10.12	0.06
49 1,4-Difluorobenze	10.76	10.26	11.26	10.76	-0.05
66 Chlorobenzene-D5	14.32	13.82	14.82	14.32	0.04
91 1,4-Dichlorobenze	17.50	17.00	18.00	17.51	0.04

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.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Date : 27-MAR-2008 15:40
Client ID: AWDGWW10320080325
Sample Info: SB1520-4
Instrument: gcms-t.i
\\Target_server\GC\chem\gcms-t.i\T032708.b\T9828.D
Y (x10^6)
Min
-Dibromofluoromethane (9.432)
-1,2-Dichloroethane-D4 (10.184)
-Pentafluorobenzene (10.118)
-1,4-Difluorobenzene (10.757)
Toluene-D8 (12.361)
Chlorobenzene-D5 (14.325)
P-Bromofluorobenzene (15.940)
1,4-Dichlorobenzene-D4 (17.509)

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 03/25/08
Received Date: 03/26/08
Extraction Date:
Analysis Date: 27-MAR-2008 16:12
Report Date: 04/02/2008
Matrix: WATER
% Solids: NA

Lab ID: SB1520-5
Client ID: AWDGWMW10420080325
SDG: CTO426-2
Extracted by:
Extraction Method: SW846 5030
Analyst: HCG
Analysis Method: SW846 8260B
Lab Prep Batch: WG49739
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
1634-04-4	Methyl tert-butyl ether	U	1	1.0	1	1	0.6
71-43-2	Benzene	U	1	1.0	1	1	0.4
108-88-3	Toluene	U	1	1.0	1	1	0.3
100-41-4	Ethylbenzene	U	1	1.0	1	1	0.4
1330-20-7	Xylenes (total)	U	3	1.0	3	3	0.4
	m+p-Xylenes	U	2	1.0	2	2	1.0
95-47-6	o-Xylene	U	1	1.0	1	1	0.4
98-82-8	Isopropylbenzene	U	1	1.0	1	1	0.5
91-20-3	Naphthalene	U	1	1.0	1	1	0.4
1868-53-7	Dibromofluoromethane		94%				
17060-07-0	1,2-Dichloroethane-D4		93%				
2037-26-5	Toluene-D8		94%				
460-00-4	P-Bromofluorobenzene		93%				

Data File: \\Target_server\GG\chem\gcms-t.i\T032708.b\T9829.D
Report Date: 02-Apr-2008 09:24

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gcms-t.i\T032708.b\T9829.D
Lab Smp Id: SB1520-5 Client Smp ID: AWDGWMW10420080325
Inj Date : 27-MAR-2008 16:12 MS Autotune Date: 05-MAR-2008 13:39
Operator : HCG Inst ID: gcms-t.i
Smp Info : SB1520-5
Misc Info : SW846 8260B
Comment :
Method : \\Target_server\GG\chem\gcms-t.i\T032708.b\T826a80.m
Meth Date : 27-Mar-2008 11:37 hgroshong Quant Type: ISTD
Cal Date : 26-MAR-2008 13:56 Cal File: T9813.D
Als bottle: 13
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TETRAT426001.sub
Target Version: 4.12
Processing Host: MIS_2

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)
$ 37 Dibromofluoromethane	113	9.437	9.437	(0.932)	806741	46.9440	46.9
$ 45 1,2-Dichloroethane-D4	65	10.169	10.169	(1.005)	752569	46.5305	46.5
$ 55 Toluene-D8	98	12.377	12.365	(1.149)	2554978	46.8947	46.9
$ 76 P-Bromofluorobenzene	95	15.944	15.944	(1.480)	1021081	46.3774	46.4
* 42 Pentafluorobenzene	168	10.122	10.122	(1.000)	1253927	50.0000	
* 49 1,4-Difluorobenzene	114	10.773	10.761	(1.000)	2160712	50.0000	
* 66 Chlorobenzene-D5	117	14.329	14.329	(1.000)	1780256	50.0000	
* 91 1,4-Dichlorobenzene-D4	152	17.513	17.513	(1.000)	857730	50.0000	

Data File: \\Target_server\GG\chem\gcms-t.i\T032708.b\T9829.D
Report Date: 02-Apr-2008 09:24

Katahdin Analytical Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcms-t.i
Lab File ID: T9829.D
Lab Smp Id: SB1520-5
Analysis Type: VOA
Quant Type: ISTD
Operator: HCG
Method File: \\Target_server\GG\chem\gcms-t.i\T032708.b\T826a80.m
Misc Info: SW846 8260B

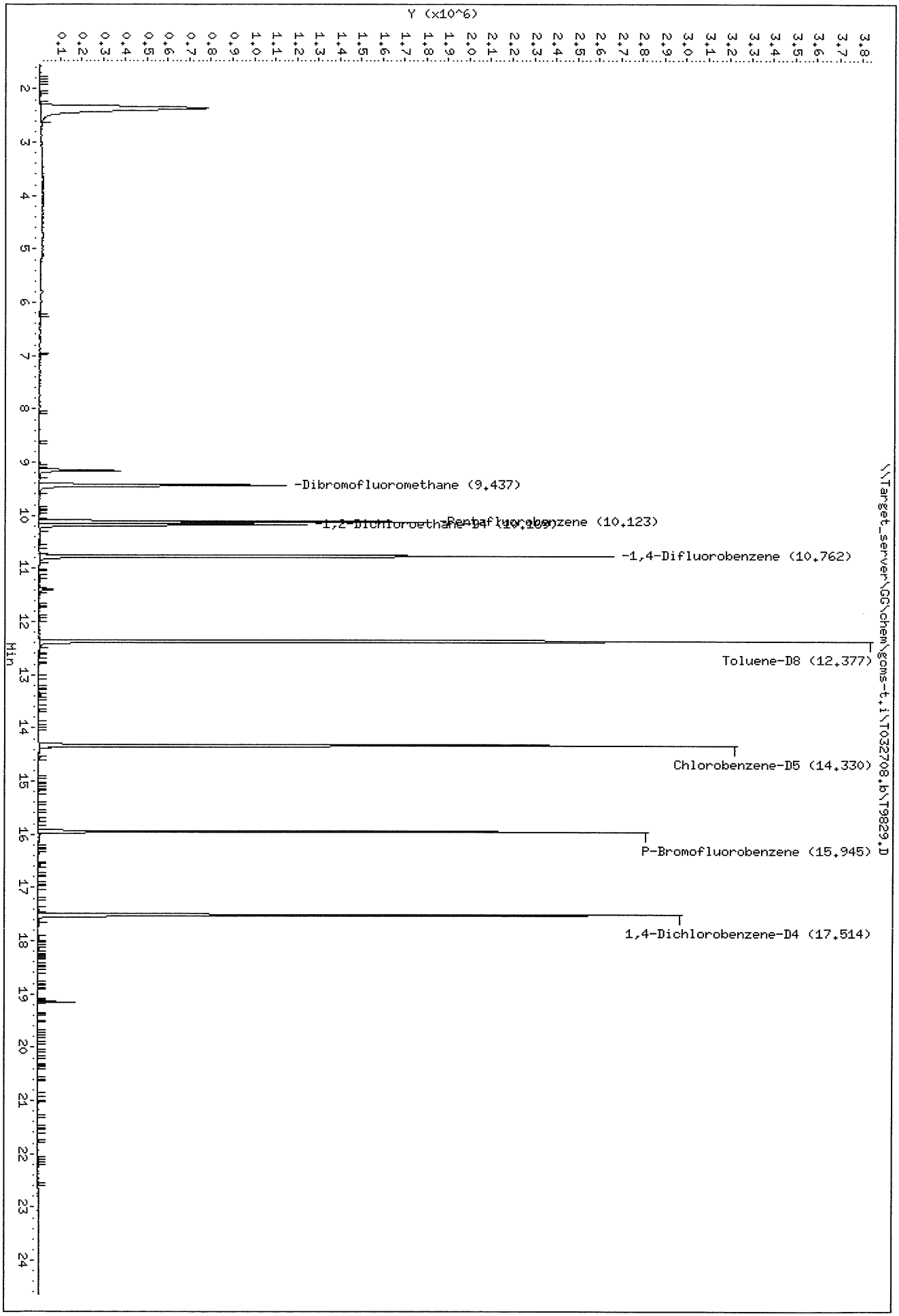
Calibration Date: 27-MAR-2008
Calibration Time: 08:55
Client Smp ID: AWDGWMW10420080
Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 4

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	1240417	620209	2480834	1253927	1.09
49 1,4-Difluorobenze	2035750	1017875	4071500	2160712	6.14
66 Chlorobenzene-D5	1652370	826185	3304740	1780256	7.74
91 1,4-Dichlorobenze	860267	430134	1720534	857730	-0.29

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	10.11	9.61	10.61	10.12	0.11
49 1,4-Difluorobenze	10.76	10.26	11.26	10.77	0.11
66 Chlorobenzene-D5	14.32	13.82	14.82	14.33	0.08
91 1,4-Dichlorobenze	17.50	17.00	18.00	17.51	0.06

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.


Data File: \\Target_server\GC\chem\gcms-t.i\T032708.b\T9829.D
Date : 27-MAR-2008 16:12
Client ID: AWDGWW10420080325
Sample Info: SB1520-5
Instrument: gcms-t.i
\\Target_server\GC\chem\gcms-t.i\T032708.b\T9829.D
Y (x10^6)
Min
-Dibromofluoromethane (9.437)
-1,2-Dichloroethane-D4 (10.109)
Pentafluorobenzene (10.123)
-1,4-Difluorobenzene (10.762)
Toluene-D8 (12.377)
Chlorobenzene-D5 (14.330)
P-Bromofluorobenzene (15.945)
1,4-Dichlorobenzene-D4 (17.514)

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 03/25/08
Received Date: 03/26/08
Extraction Date:
Analysis Date: 27-MAR-2008 16:44
Report Date: 04/02/2008
Matrix: WATER
% Solids: NA

Lab ID: SB1520-6
Client ID: AWDGWMW20120080325
SDG: CTO426-2
Extracted by:
Extraction Method: SW846 5030
Analyst: HCG
Analysis Method: SW846 8260B
Lab Prep Batch: WG49739
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
1634-04-4	Methyl tert-butyl ether	U	1	1.0	1	1	0.6
71-43-2	Benzene	U	1	1.0	1	1	0.4
108-88-3	Toluene	U	1	1.0	1	1	0.3
100-41-4	Ethylbenzene	U	1	1.0	1	1	0.4
1330-20-7	Xylenes (total)	U	3	1.0	3	3	0.4
	m+p-Xylenes	U	2	1.0	2	2	1.0
95-47-6	o-Xylene	U	1	1.0	1	1	0.4
98-82-8	Isopropylbenzene	U	1	1.0	1	1	0.5
91-20-3	Naphthalene	U	1	1.0	1	1	0.4
1868-53-7	Dibromofluoromethane		93%				
17060-07-0	1,2-Dichloroethane-D4		95%				
2037-26-5	Toluene-D8		95%				
460-00-4	P-Bromofluorobenzene		92%				

Data File: \\Target_server\GG\chem\gcms-t.i\T032708.b\T9830.D
Report Date: 02-Apr-2008 09:24

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gcms-t.i\T032708.b\T9830.D
Lab Smp Id: SB1520-6 Client Smp ID: AWDGWMW20120080325
Inj Date : 27-MAR-2008 16:44 MS Autotune Date: 05-MAR-2008 13:39
Operator : HCG Inst ID: gcms-t.i
Smp Info : SB1520-6
Misc Info : SW846 8260B
Comment :
Method : \\Target_server\GG\chem\gcms-t.i\T032708.b\T826a80.m
Meth Date : 27-Mar-2008 11:37 hgroshong Quant Type: ISTD
Cal Date : 26-MAR-2008 13:56 Cal File: T9813.D
Als bottle: 14
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TETRAT426001.sub
Target Version: 4.12
Processing Host: MIS_2

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)
$ 37 Dibromofluoromethane	113	9.435	9.437	(0.932)	789622	46.5298	46.5
$ 45 1,2-Dichloroethane-D4	65	10.167	10.169	(1.005)	755973	47.3330	47.3
$ 55 Toluene-D8	98	12.363	12.365	(1.149)	2579847	47.3134	47.3
$ 76 P-Bromofluorobenzene	95	15.943	15.944	(1.482)	1018799	46.2368	46.2
* 42 Pentafluorobenzene	168	10.121	10.122	(1.000)	1238243	50.0000	
* 49 1,4-Difluorobenzene	114	10.760	10.761	(1.000)	2162438	50.0000	
* 66 Chlorobenzene-D5	117	14.327	14.329	(1.000)	1792635	50.0000	
* 91 1,4-Dichlorobenzene-D4	152	17.511	17.513	(1.000)	850971	50.0000	

Data File: \\Target_server\GG\chem\gcms-t.i\T032708.b\T9830.D
Report Date: 02-Apr-2008 09:24

Katahdin Analytical Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcms-t.i
Lab File ID: T9830.D
Lab Smp Id: SB1520-6
Analysis Type: VOA
Quant Type: ISTD
Operator: HCG
Method File: \\Target_server\GG\chem\gcms-t.i\T032708.b\T826a80.m
Misc Info: SW846 8260B

Calibration Date: 27-MAR-2008
Calibration Time: 08:55
Client Smp ID: AWDGWMW20120080
Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 4

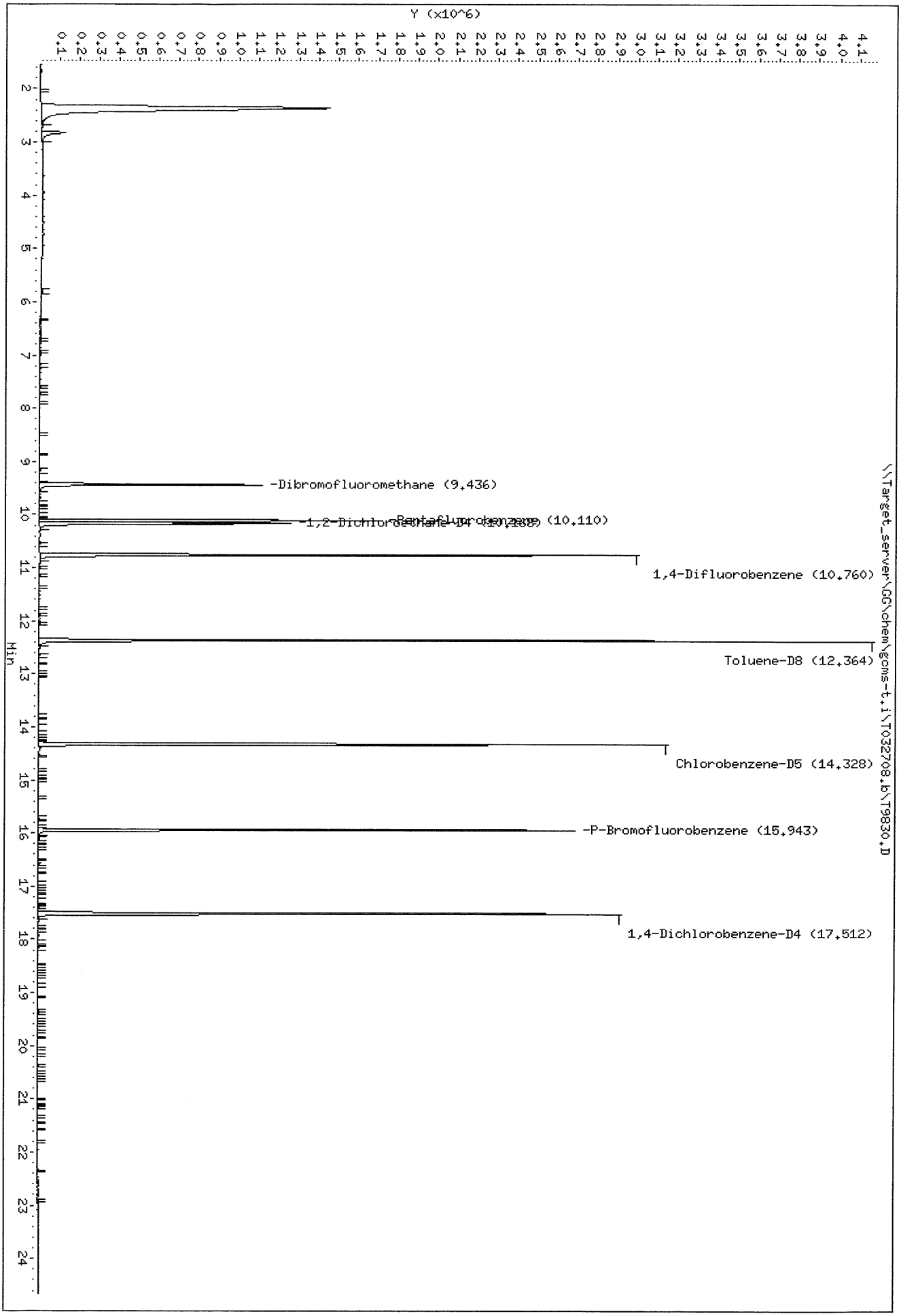
COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	1240417	620209	2480834	1238243	-0.18
49 1,4-Difluorobenze	2035750	1017875	4071500	2162438	6.22
66 Chlorobenzene-D5	1652370	826185	3304740	1792635	8.49
91 1,4-Dichlorobenze	860267	430134	1720534	850971	-1.08

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	10.11	9.61	10.61	10.12	0.09
49 1,4-Difluorobenze	10.76	10.26	11.26	10.76	-0.02
66 Chlorobenzene-D5	14.32	13.82	14.82	14.33	0.07
91 1,4-Dichlorobenze	17.50	17.00	18.00	17.51	0.05

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.

Data File: \\Target_server\GC\chem\gcms-t.i\T032708.b\T9830.D
Date : 27-MAR-2008 16:44
Client ID: AWDGWMW20120080325
Sample Info: SB1520-6

Instrument: gcms-t.i



KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 03/25/08
Received Date: 03/26/08
Extraction Date:
Analysis Date: 27-MAR-2008 17:16
Report Date: 04/02/2008
Matrix: WATER
% Solids: NA

Lab ID: SB1520-7
Client ID: AWDGWMW1420080325
SDG: CTO426-2
Extracted by:
Extraction Method: SW846 5030
Analyst: HCG
Analysis Method: SW846 8260B
Lab Prep Batch: WG49739
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
1634-04-4	Methyl tert-butyl ether	U	1	1.0	1	1	0.6
71-43-2	Benzene	U	1	1.0	1	1	0.4
108-88-3	Toluene	U	1	1.0	1	1	0.3
100-41-4	Ethylbenzene	U	1	1.0	1	1	0.4
1330-20-7	Xylenes (total)	U	3	1.0	3	3	0.4
	m+p-Xylenes	U	2	1.0	2	2	1.0
95-47-6	o-Xylene	U	1	1.0	1	1	0.4
98-82-8	Isopropylbenzene		3	1.0	1	1	0.5
91-20-3	Naphthalene	J	0.6	1.0	1	1	0.4
1868-53-7	Dibromofluoromethane		96%				
17060-07-0	1,2-Dichloroethane-D4		95%				
2037-26-5	Toluene-D8		95%				
460-00-4	P-Bromofluorobenzene		96%				

Data File: \\Target_server\GG\chem\gcms-t.i\T032708.b\T9831.D
Report Date: 02-Apr-2008 09:24

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gcms-t.i\T032708.b\T9831.D
Lab Smp Id: SB1520-7 Client Smp ID: AWDGWMW1420080325
Inj Date : 27-MAR-2008 17:16 MS Autotune Date: 05-MAR-2008 13:39
Operator : HCG Inst ID: gcms-t.i
Smp Info : SB1520-7
Misc Info : SW846 8260B
Comment :
Method : \\Target_server\GG\chem\gcms-t.i\T032708.b\T826a80.m
Meth Date : 27-Mar-2008 11:37 hgroshong Quant Type: ISTD
Cal Date : 26-MAR-2008 13:56 Cal File: T9813.D
Als bottle: 15
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TETRAT426001.sub
Target Version: 4.12
Processing Host: MIS_2

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)
75 Isopropylbenzene	105	15.534	15.537	(0.887)	159796	2.77812	2.8
101 Naphthalene	128	20.880	20.895	(1.192)	17028	0.59840	0.60(a)
$ 37 Dibromofluoromethane	113	9.434	9.437	(0.932)	807057	47.8195	47.8
$ 45 1,2-Dichloroethane-D4	65	10.166	10.169	(1.005)	755846	47.5860	47.6
$ 55 Toluene-D8	98	12.362	12.365	(1.149)	2562154	47.7472	47.7
$ 76 P-Bromofluorobenzene	95	15.941	15.944	(1.482)	1039927	47.9573	48.0
* 42 Pentafluorobenzene	168	10.119	10.122	(1.000)	1231452	50.0000	
* 49 1,4-Difluorobenzene	114	10.758	10.761	(1.000)	2128096	50.0000	
* 66 Chlorobenzene-D5	117	14.326	14.329	(1.000)	1790670	50.0000	
* 91 1,4-Dichlorobenzene-D4	152	17.510	17.513	(1.000)	873507	50.0000	

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: \\Target_server\GG\chem\gcms-t.i\T032708.b\T9831.D
Report Date: 02-Apr-2008 09:24

Katahdin Analytical Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcms-t.i
Lab File ID: T9831.D
Lab Smp Id: SB1520-7
Analysis Type: VOA
Quant Type: ISTD
Operator: HCG
Method File: \\Target_server\GG\chem\gcms-t.i\T032708.b\T826a80.m
Misc Info: SW846 8260B

Calibration Date: 27-MAR-2008
Calibration Time: 08:55
Client Smp ID: AWDGWMW14200803
Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 4

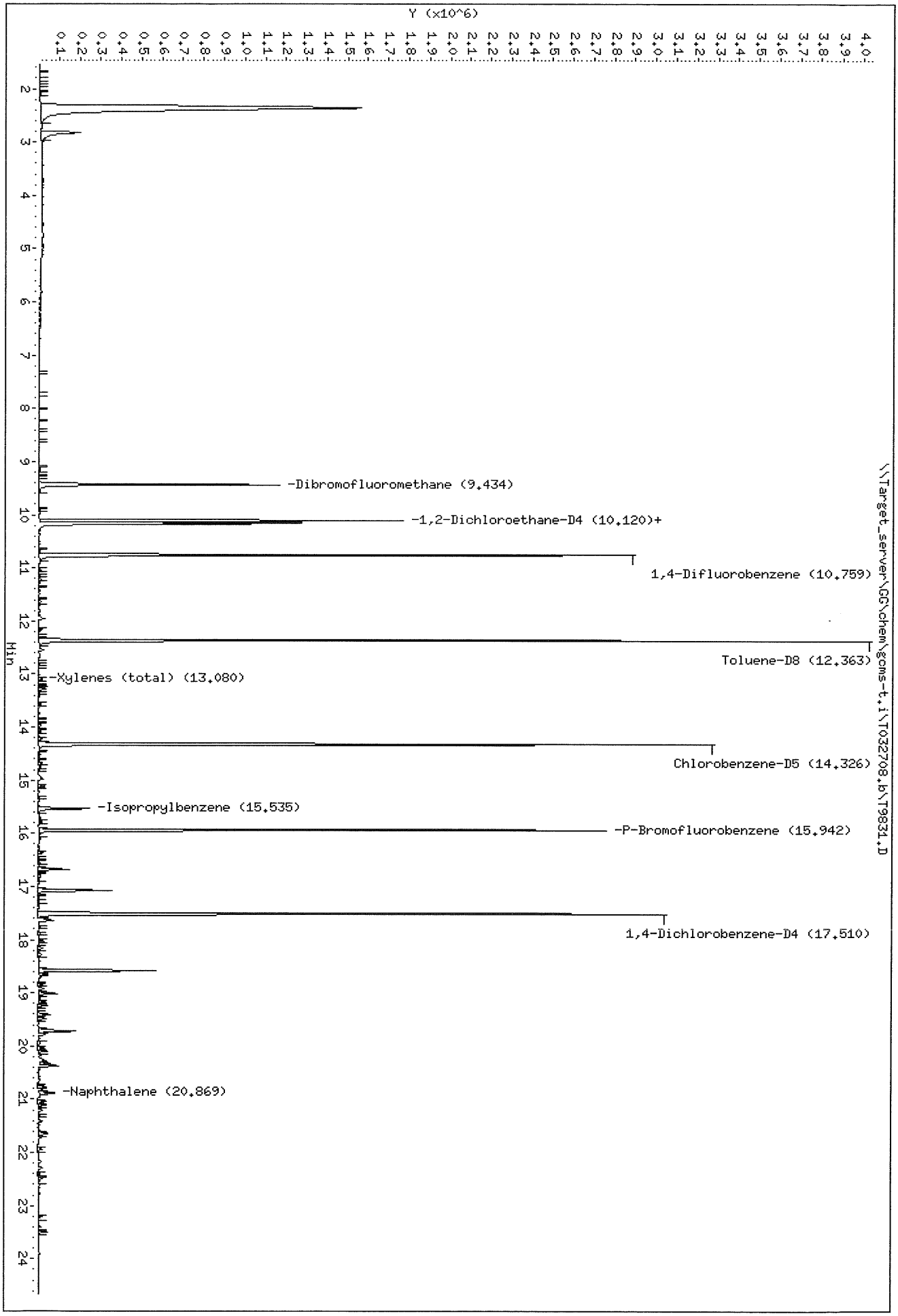
COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	1240417	620209	2480834	1231452	-0.72
49 1,4-Difluorobenze	2035750	1017875	4071500	2128096	4.54
66 Chlorobenzene-D5	1652370	826185	3304740	1790670	8.37
91 1,4-Dichlorobenze	860267	430134	1720534	873507	1.54

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	10.11	9.61	10.61	10.12	0.08
49 1,4-Difluorobenze	10.76	10.26	11.26	10.76	-0.03
66 Chlorobenzene-D5	14.32	13.82	14.82	14.33	0.06
91 1,4-Dichlorobenze	17.50	17.00	18.00	17.51	0.05

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.

Data File: \\Target_server\GC\chem\gcms-t.i\T032708.b\T9831.D
Date : 27-MAR-2008 17:16
Client ID: AWDGWMW1420080325
Sample Info: SB1520-7

Instrument: gcms-t.i



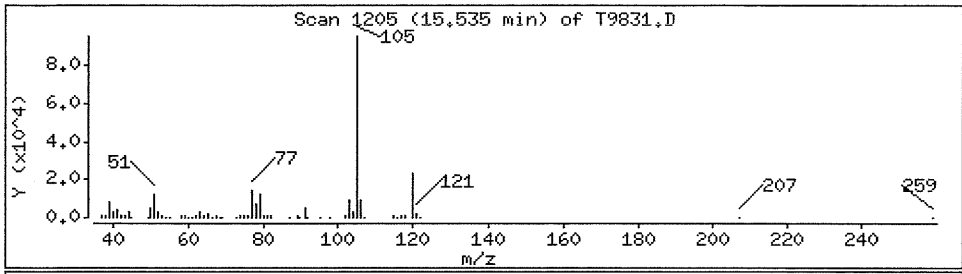
Data File: \\Target_server\GC\chem\gcms-t.i\T032708.b\T9831.D

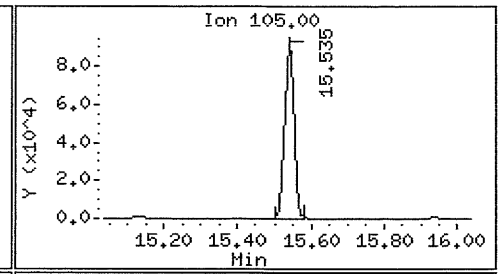
Date : 27-MAR-2008 17:16

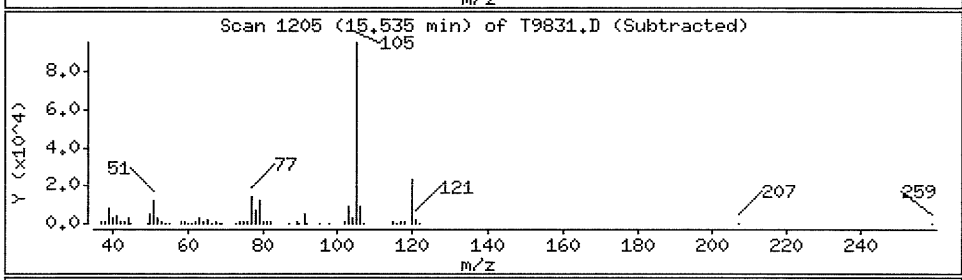
Client ID: AWDGWMW1420080325 Instrument: gcms-t.i

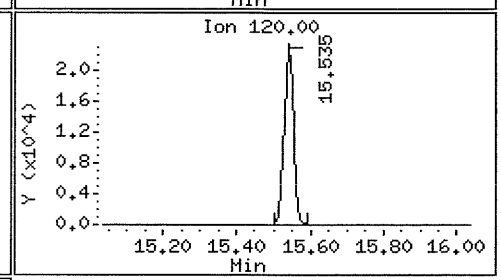
Sample Info: SB1520-7

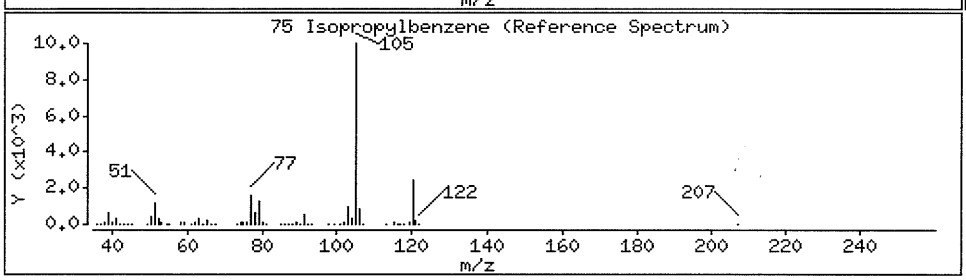
75 Isopropylbenzene Concentration: 2.8 ug/l



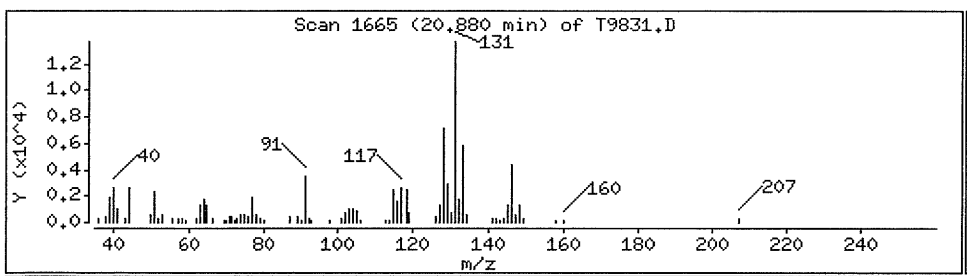


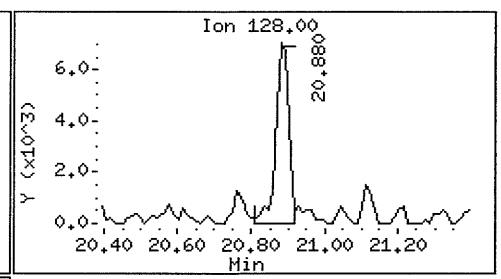


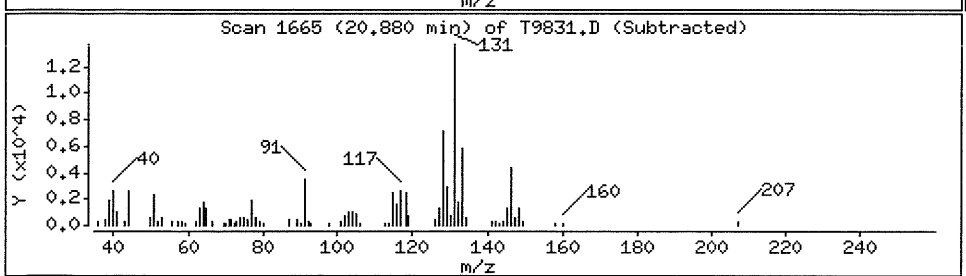


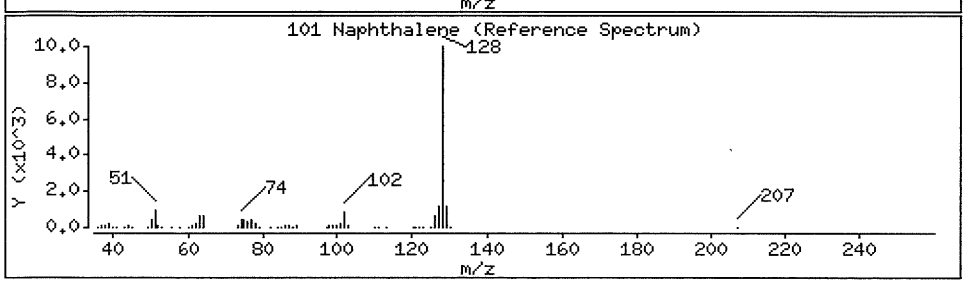


101 Naphthalene Concentration: 0.60 ug/l









KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 03/25/08
Received Date: 03/26/08
Extraction Date:
Analysis Date: 27-MAR-2008 17:48
Report Date: 04/02/2008
Matrix: WATER
% Solids: NA

Lab ID: SB1520-8
Client ID: AWDGWMW20220080325
SDG: CTO426-2
Extracted by:
Extraction Method: SW846 5030
Analyst: HCG
Analysis Method: SW846 8260B
Lab Prep Batch: WG49739
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
1634-04-4	Methyl tert-butyl ether	U	1	1.0	1	1	0.6
71-43-2	Benzene	U	1	1.0	1	1	0.4
108-88-3	Toluene	U	1	1.0	1	1	0.3
100-41-4	Ethylbenzene	J	0.8	1.0	1	1	0.4
1330-20-7	Xylenes (total)	U	3	1.0	3	3	0.4
	m+p-Xylenes	U	2	1.0	2	2	1.0
95-47-6	o-Xylene	U	1	1.0	1	1	0.4
98-82-8	Isopropylbenzene		2	1.0	1	1	0.5
91-20-3	Naphthalene	U	1	1.0	1	1	0.4
1868-53-7	Dibromofluoromethane		94%				
17060-07-0	1,2-Dichloroethane-D4		96%				
2037-26-5	Toluene-D8		95%				
460-00-4	P-Bromofluorobenzene		96%				

Data File: \\Target_server\GG\chem\gcms-t.i\T032708.b\T9832.D
Report Date: 02-Apr-2008 09:24

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gcms-t.i\T032708.b\T9832.D
Lab Smp Id: SB1520-8 Client Smp ID: AWDGWMW20220080325
Inj Date : 27-MAR-2008 17:48 MS Autotune Date: 05-MAR-2008 13:39
Operator : HCG Inst ID: gcms-t.i
Smp Info : SB1520-8
Misc Info : SW846 8260B
Comment :
Method : \\Target_server\GG\chem\gcms-t.i\T032708.b\T826a80.m
Meth Date : 27-Mar-2008 11:37 hgroshong Quant Type: ISTD
Cal Date : 26-MAR-2008 13:56 Cal File: T9813.D
Als bottle: 16
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TETRAT426001.sub
Target Version: 4.12
Processing Host: MIS_2

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)
68 Ethylbenzene	106	14.371	14.375	(1.003)	17643	0.80022	0.80(a)
75 Isopropylbenzene	105	15.533	15.537	(0.887)	98288	1.72132	1.7
$ 37 Dibromofluoromethane	113	9.432	9.437	(0.932)	795744	47.0576	47.0
$ 45 1,2-Dichloroethane-D4	65	10.164	10.169	(1.005)	763735	47.9893	48.0
$ 55 Toluene-D8	98	12.372	12.365	(1.149)	2571257	47.5683	47.6
$ 76 P-Bromofluorobenzene	95	15.939	15.944	(1.480)	1049626	48.0525	48.0
* 42 Pentafluorobenzene	168	10.117	10.122	(1.000)	1233848	50.0000	
* 49 1,4-Difluorobenzene	114	10.768	10.761	(1.000)	2143689	50.0000	
* 66 Chlorobenzene-D5	117	14.324	14.329	(1.000)	1780752	50.0000	
* 91 1,4-Dichlorobenzene-D4	152	17.508	17.513	(1.000)	867143	50.0000	

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: \\Target_server\GG\chem\gcms-t.i\T032708.b\T9832.D
Report Date: 02-Apr-2008 09:24

Katahdin Analytical Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcms-t.i
Lab File ID: T9832.D
Lab Smp Id: SB1520-8
Analysis Type: VOA
Quant Type: ISTD
Operator: HCG
Method File: \\Target_server\GG\chem\gcms-t.i\T032708.b\T826a80.m
Misc Info: SW846 8260B

Calibration Date: 27-MAR-2008
Calibration Time: 08:55
Client Smp ID: AWDGWMW20220080
Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 4

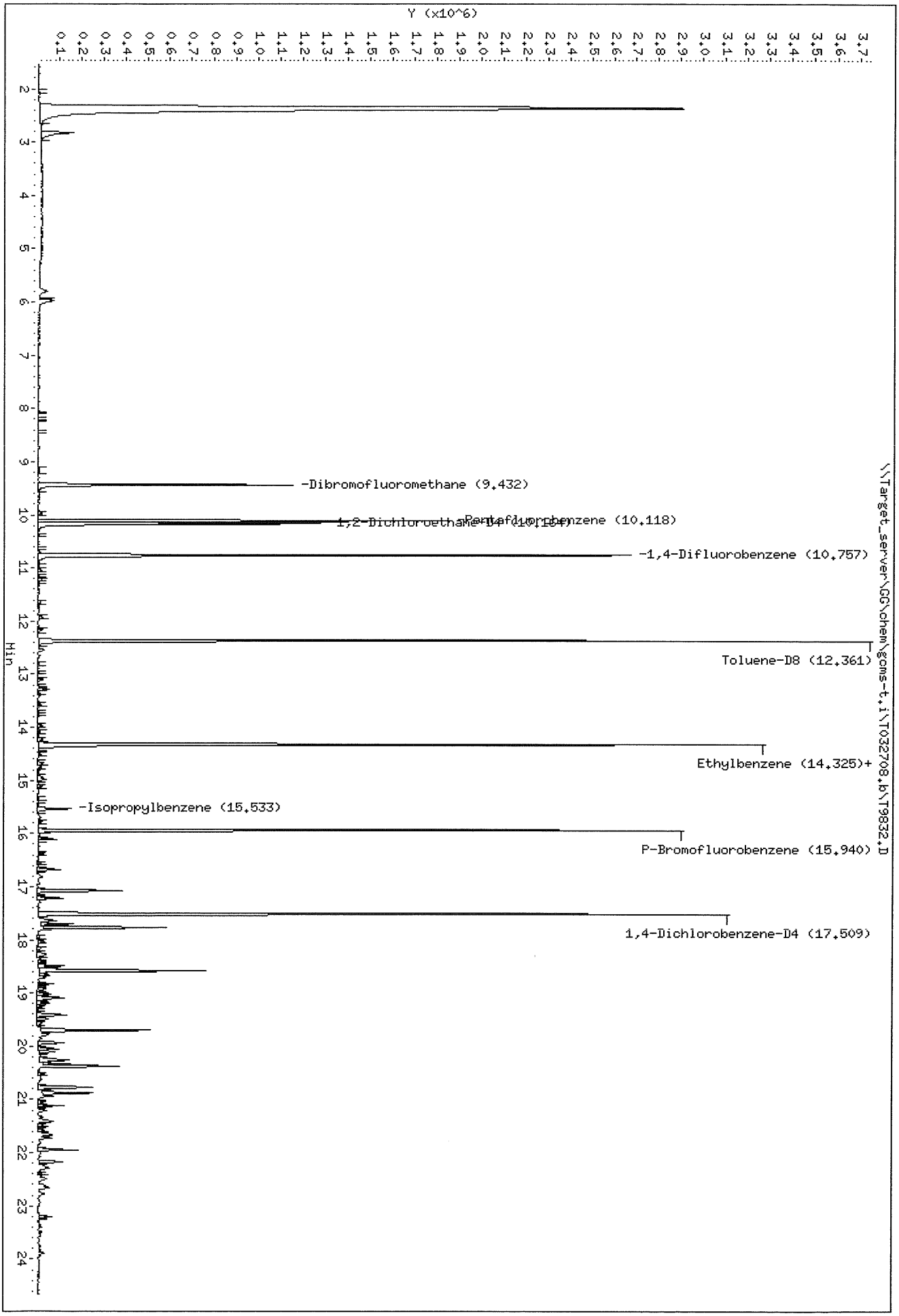
COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	1240417	620209	2480834	1233848	-0.53
49 1,4-Difluorobenze	2035750	1017875	4071500	2143689	5.30
66 Chlorobenzene-D5	1652370	826185	3304740	1780752	7.77
91 1,4-Dichlorobenze	860267	430134	1720534	867143	0.80

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	10.11	9.61	10.61	10.12	0.06
49 1,4-Difluorobenze	10.76	10.26	11.26	10.77	0.06
66 Chlorobenzene-D5	14.32	13.82	14.82	14.32	0.04
91 1,4-Dichlorobenze	17.50	17.00	18.00	17.51	0.04

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.

Data File: \\Target_server\GC\chem\gcms-t.i\T032708.b\T9832.D
Date : 27-MAR-2008 17:48
Client ID: AWDGWMW20220008O325
Sample Info: SB1520-8

Instrument: gcms-t.i



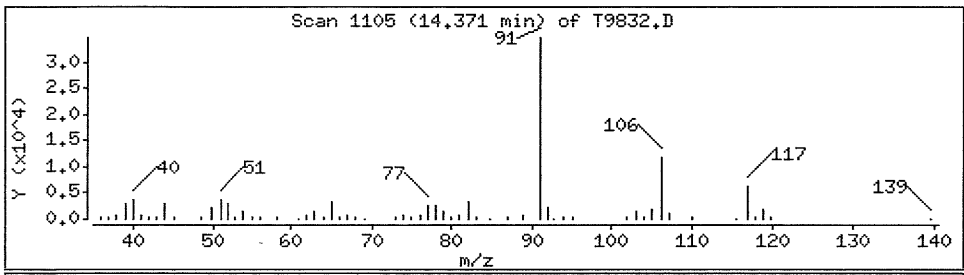
Data File: \\Target_server\GC\chem\gcms-t.i\T032708.b\T9832.D

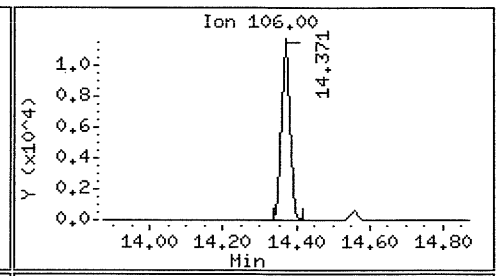
Date : 27-MAR-2008 17:48

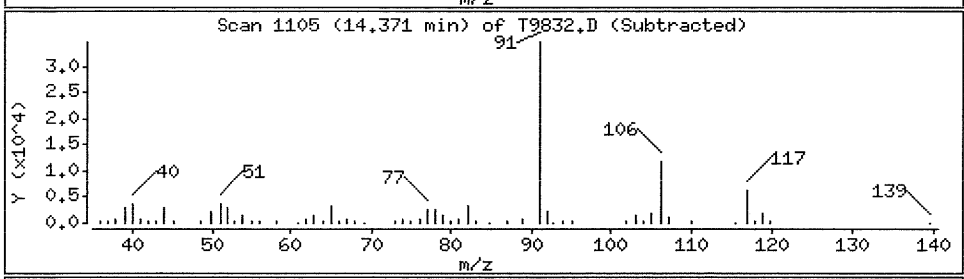
Client ID: AWDGWMW20220080325 Instrument: gcms-t.i

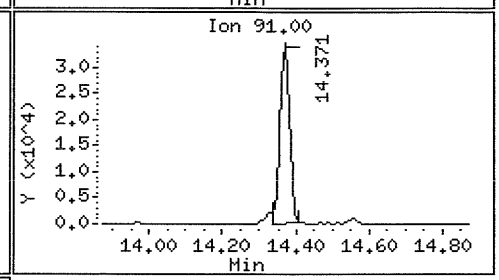
Sample Info: SB1520-8

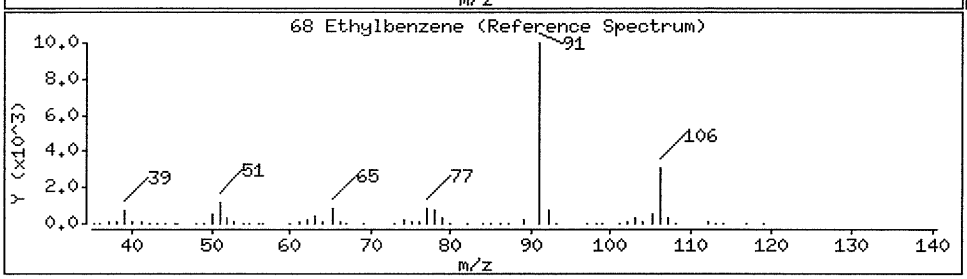
68 Ethylbenzene Concentration: 0.80 ug/l



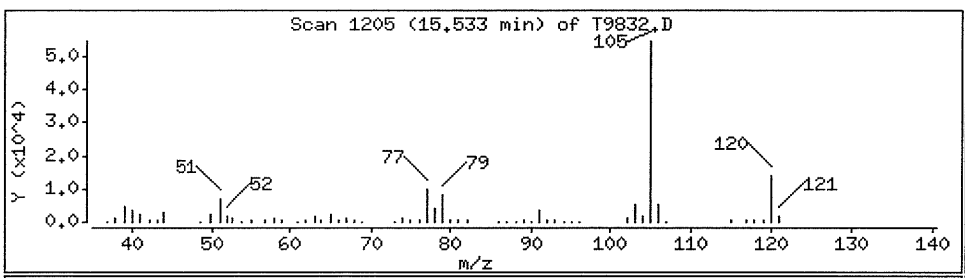


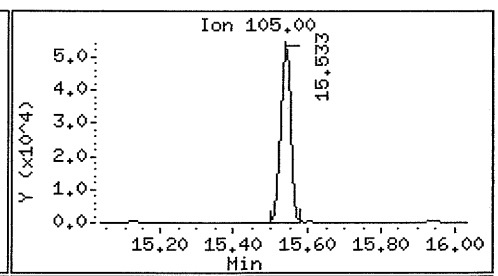


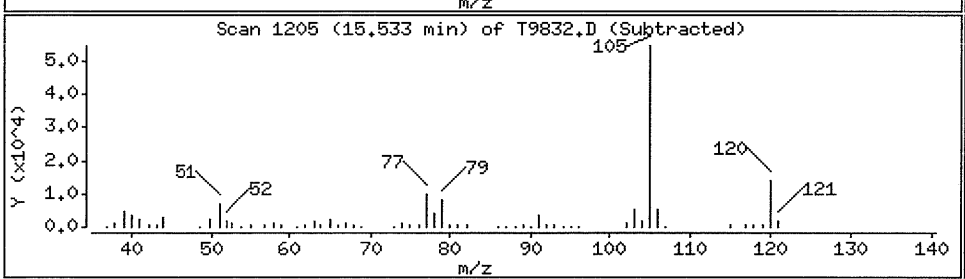


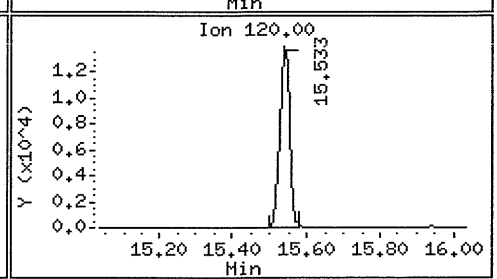


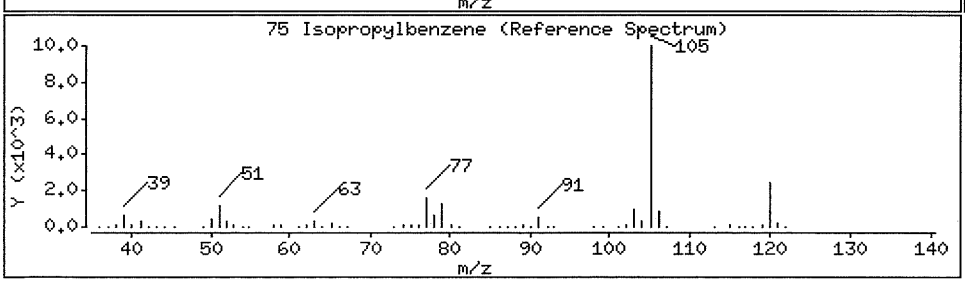
75 Isopropylbenzene Concentration: 1.7 ug/l











KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 03/25/08
Received Date: 03/26/08
Extraction Date:
Analysis Date: 27-MAR-2008 18:20
Report Date: 04/02/2008
Matrix: WATER
% Solids: NA

Lab ID: SB1520-9
Client ID: AWDGWMW30420080325
SDG: CTO426-2
Extracted by:
Extraction Method: SW846 5030
Analyst: HCG
Analysis Method: SW846 8260B
Lab Prep Batch: WG49739
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
1634-04-4	Methyl tert-butyl ether	U	1	1.0	1	1	0.6
71-43-2	Benzene	U	1	1.0	1	1	0.4
108-88-3	Toluene	U	1	1.0	1	1	0.3
100-41-4	Ethylbenzene	U	1	1.0	1	1	0.4
1330-20-7	Xylenes (total)	U	3	1.0	3	3	0.4
	m+p-Xylenes	U	2	1.0	2	2	1.0
95-47-6	o-Xylene	U	1	1.0	1	1	0.4
98-82-8	Isopropylbenzene	J	0.8	1.0	1	1	0.5
91-20-3	Naphthalene	U	1	1.0	1	1	0.4
1868-53-7	Dibromofluoromethane		94%				
17060-07-0	1,2-Dichloroethane-D4		94%				
2037-26-5	Toluene-D8		95%				
460-00-4	P-Bromofluorobenzene		94%				

Data File: \\Target_server\GG\chem\gcms-t.i\T032708.b\T9833.D
Report Date: 02-Apr-2008 09:24

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gcms-t.i\T032708.b\T9833.D
Lab Smp Id: SB1520-9 Client Smp ID: AWDGWMW30420080325
Inj Date : 27-MAR-2008 18:20 MS Autotune Date: 05-MAR-2008 13:39
Operator : HCG Inst ID: gcms-t.i
Smp Info : SB1520-9
Misc Info : SW846 8260B
Comment :
Method : \\Target_server\GG\chem\gcms-t.i\T032708.b\T826a80.m
Meth Date : 27-Mar-2008 11:37 hgroshong Quant Type: ISTD
Cal Date : 26-MAR-2008 13:56 Cal File: T9813.D
Als bottle: 17
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TETRAT426001.sub
Target Version: 4.12
Processing Host: MIS_2

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)
75 Isopropylbenzene	105	15.526	15.537	(0.887)	42800	0.75414	0.75(a)
$ 37 Dibromofluoromethane	113	9.437	9.437	(0.933)	810195	47.0995	47.1
$ 45 1,2-Dichloroethane-D4	65	10.169	10.169	(1.006)	762171	47.0787	47.1
$ 55 Toluene-D8	98	12.365	12.365	(1.149)	2604489	47.5245	47.5
$ 76 P-Bromofluorobenzene	95	15.933	15.944	(1.480)	1042959	47.0947	47.1
* 42 Pentafluorobenzene	168	10.111	10.122	(1.000)	1255138	50.0000	
* 49 1,4-Difluorobenzene	114	10.762	10.761	(1.000)	2173394	50.0000	
* 66 Chlorobenzene-D5	117	14.318	14.329	(1.000)	1782284	50.0000	
* 91 1,4-Dichlorobenzene-D4	152	17.502	17.513	(1.000)	861876	50.0000	

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: \\Target_server\GG\chem\gcms-t.i\T032708.b\T9833.D
Report Date: 02-Apr-2008 09:24

Katahdin Analytical Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcms-t.i
Lab File ID: T9833.D
Lab Smp Id: SB1520-9
Analysis Type: VOA
Quant Type: ISTD
Operator: HCG
Method File: \\Target_server\GG\chem\gcms-t.i\T032708.b\T826a80.m
Misc Info: SW846 8260B

Calibration Date: 27-MAR-2008
Calibration Time: 08:55
Client Smp ID: AWDGWMW30420080
Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 4

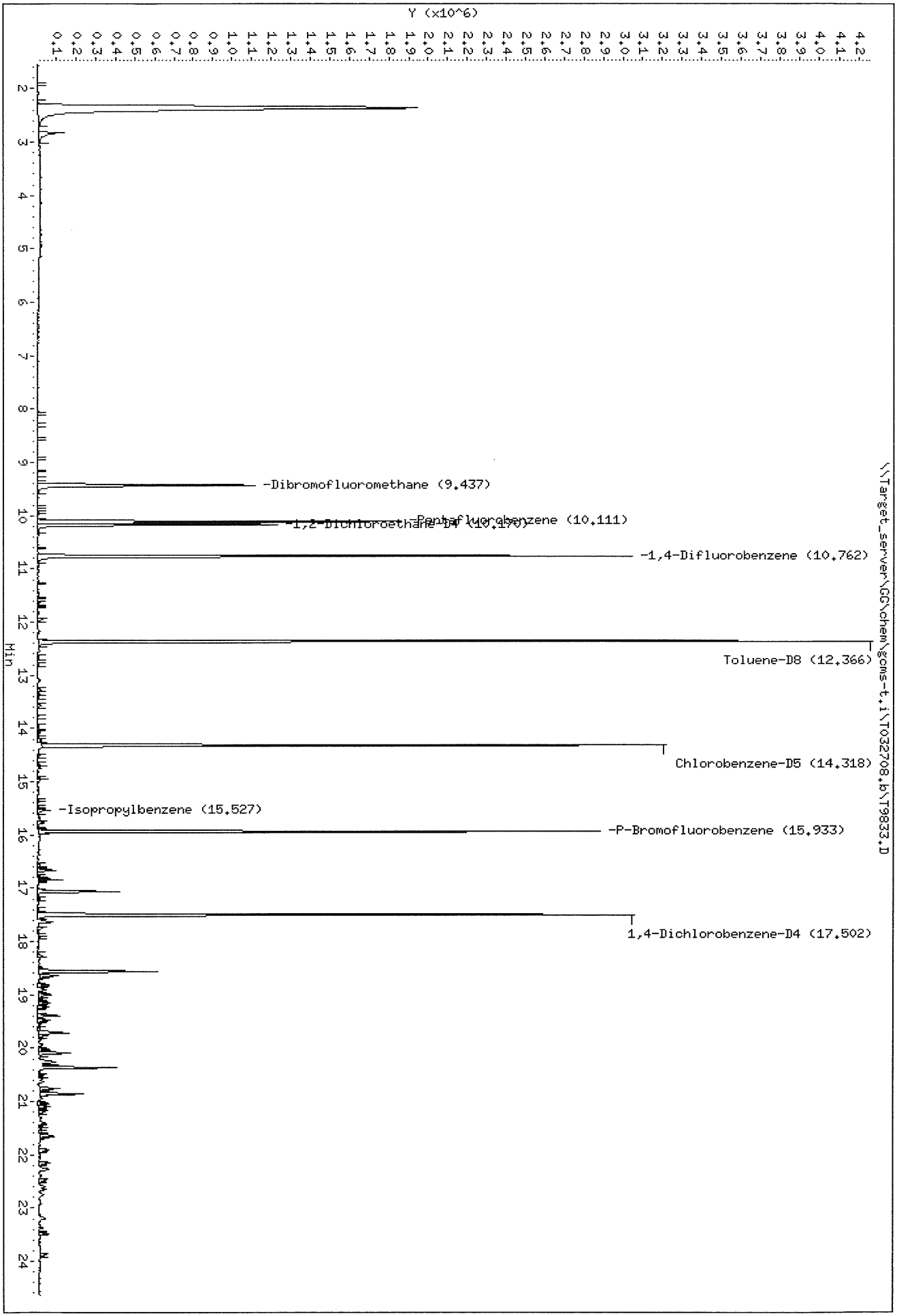
COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	1240417	620209	2480834	1255138	1.19
49 1,4-Difluorobenze	2035750	1017875	4071500	2173394	6.76
66 Chlorobenzene-D5	1652370	826185	3304740	1782284	7.86
91 1,4-Dichlorobenze	860267	430134	1720534	861876	0.19

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	10.11	9.61	10.61	10.11	-0.00
49 1,4-Difluorobenze	10.76	10.26	11.26	10.76	-0.00
66 Chlorobenzene-D5	14.32	13.82	14.82	14.32	-0.00
91 1,4-Dichlorobenze	17.50	17.00	18.00	17.50	-0.00

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.

Data File: \\Target_server\GC\chem\gcms-t.i\T032708.b\T9833.D
Date : 27-MAR-2008 18:20
Client ID: AWDGWW30420080325
Sample Info: SB1520-9

Instrument: gcms-t.i



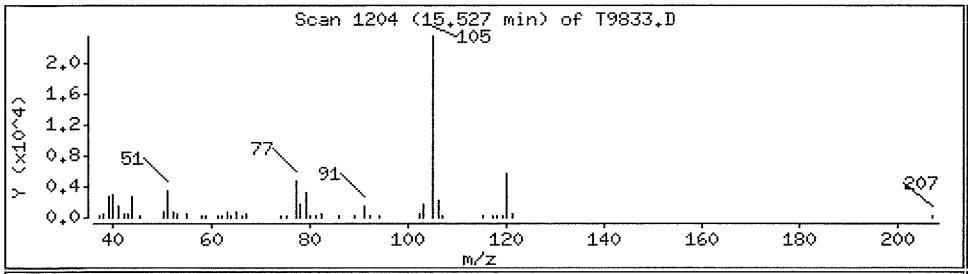
Data File: \\Target_server\GC\chem\gcms-t.i\T032708.b\T9833.D

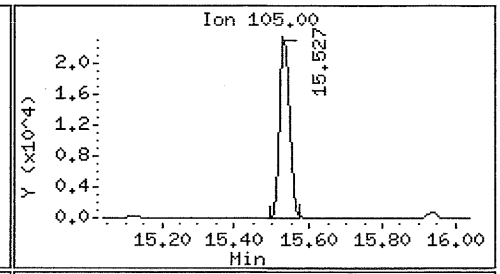
Date : 27-MAR-2008 18:20

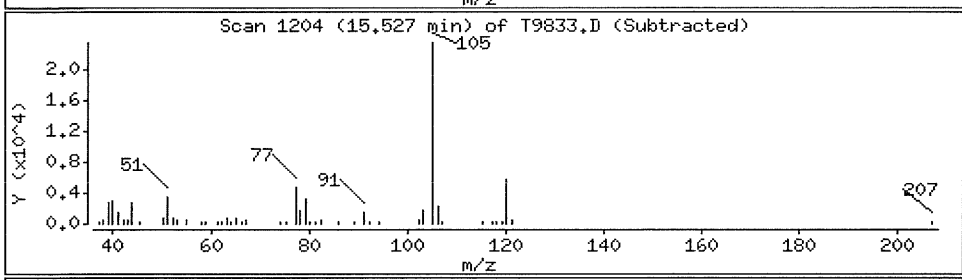
Client ID: AWDGWMW30420080325 Instrument: gcms-t.i

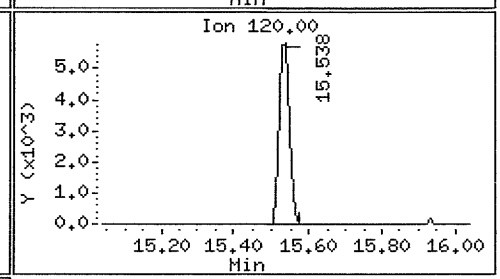
Sample Info: SB1520-9

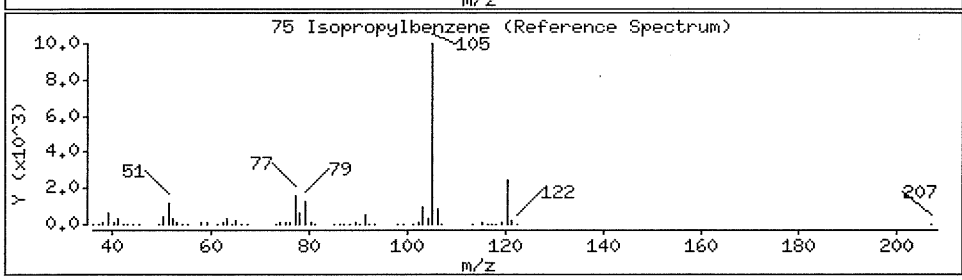
75 Isopropylbenzene Concentration: 0.75 ug/l











KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 03/25/08
Received Date: 03/28/08
Extraction Date:
Analysis Date: 28-MAR-2008 14:13
Report Date: 04/02/2008
Matrix: WATER
% Solids: NA

Lab ID: SB1567-1
Client ID: AWD-GW-TB2
SDG: CTO426-2
Extracted by:
Extraction Method: SW846 5030
Analyst: HCG
Analysis Method: SW846 8260B
Lab Prep Batch: WG49763
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
1634-04-4	Methyl tert-butyl ether	U	1	1.0	1	1	0.6
71-43-2	Benzene	U	1	1.0	1	1	0.4
108-88-3	Toluene	U	1	1.0	1	1	0.3
100-41-4	Ethylbenzene	U	1	1.0	1	1	0.4
1330-20-7	Xylenes (total)	U	3	1.0	3	3	0.4
	m+p-Xylenes	U	2	1.0	2	2	1.0
95-47-6	o-Xylene	U	1	1.0	1	1	0.4
98-82-8	Isopropylbenzene	U	1	1.0	1	1	0.5
91-20-3	Naphthalene	U	1	1.0	1	1	0.4
1868-53-7	Dibromofluoromethane		88%				
17060-07-0	1,2-Dichloroethane-D4		86%				
2037-26-5	Toluene-D8		93%				
460-00-4	P-Bromofluorobenzene		92%				

Data File: \\Target_server\GG\chem\gcms-t.i\T032808.b\T9845.D
Report Date: 02-Apr-2008 10:02

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gcms-t.i\T032808.b\T9845.D
Lab Smp Id: SB1567-1 Client Smp ID: AWD-GW-TB2
Inj Date : 28-MAR-2008 14:13 MS Autotune Date: 05-MAR-2008 13:39
Operator : HCG Inst ID: gcms-t.i
Smp Info : SB1567-1
Misc Info : SW846 8260B
Comment :
Method : \\Target_server\GG\chem\gcms-t.i\T032808.b\T826a80.m
Meth Date : 28-Mar-2008 10:01 hgroshong Quant Type: ISTD
Cal Date : 26-MAR-2008 13:56 Cal File: T9813.D
Als bottle: 8
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TETRAT426001.sub
Target Version: 4.12
Processing Host: MIS_2

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)
$ 37 Dibromofluoromethane	113	9.432	9.437	(0.932)	811347	44.0798	44.1
$ 45 1,2-Dichloroethane-D4	65	10.164	10.169	(1.005)	742219	42.8460	42.8
$ 55 Toluene-D8	98	12.372	12.365	(1.149)	2604267	46.3174	46.3
$ 76 P-Bromofluorobenzene	95	15.940	15.944	(1.480)	1047742	46.1129	46.1
* 42 Pentafluorobenzene	168	10.118	10.122	(1.000)	1343029	50.0000	
* 49 1,4-Difluorobenzene	114	10.768	10.761	(1.000)	2229846	50.0000	
* 66 Chlorobenzene-D5	117	14.324	14.329	(1.000)	1847393	50.0000	
* 91 1,4-Dichlorobenzene-D4	152	17.508	17.513	(1.000)	890638	50.0000	

Data File: \\Target_server\GG\chem\gcms-t.i\T032808.b\T9845.D
Report Date: 02-Apr-2008 10:02

Katahdin Analytical Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcms-t.i
Lab File ID: T9845.D
Lab Smp Id: SB1567-1
Analysis Type: VOA
Quant Type: ISTD
Operator: HCG
Method File: \\Target_server\GG\chem\gcms-t.i\T032808.b\T826a80.m
Misc Info: SW846 8260B

Calibration Date: 28-MAR-2008
Calibration Time: 09:37
Client Smp ID: AWD-GW-TB2
Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 4

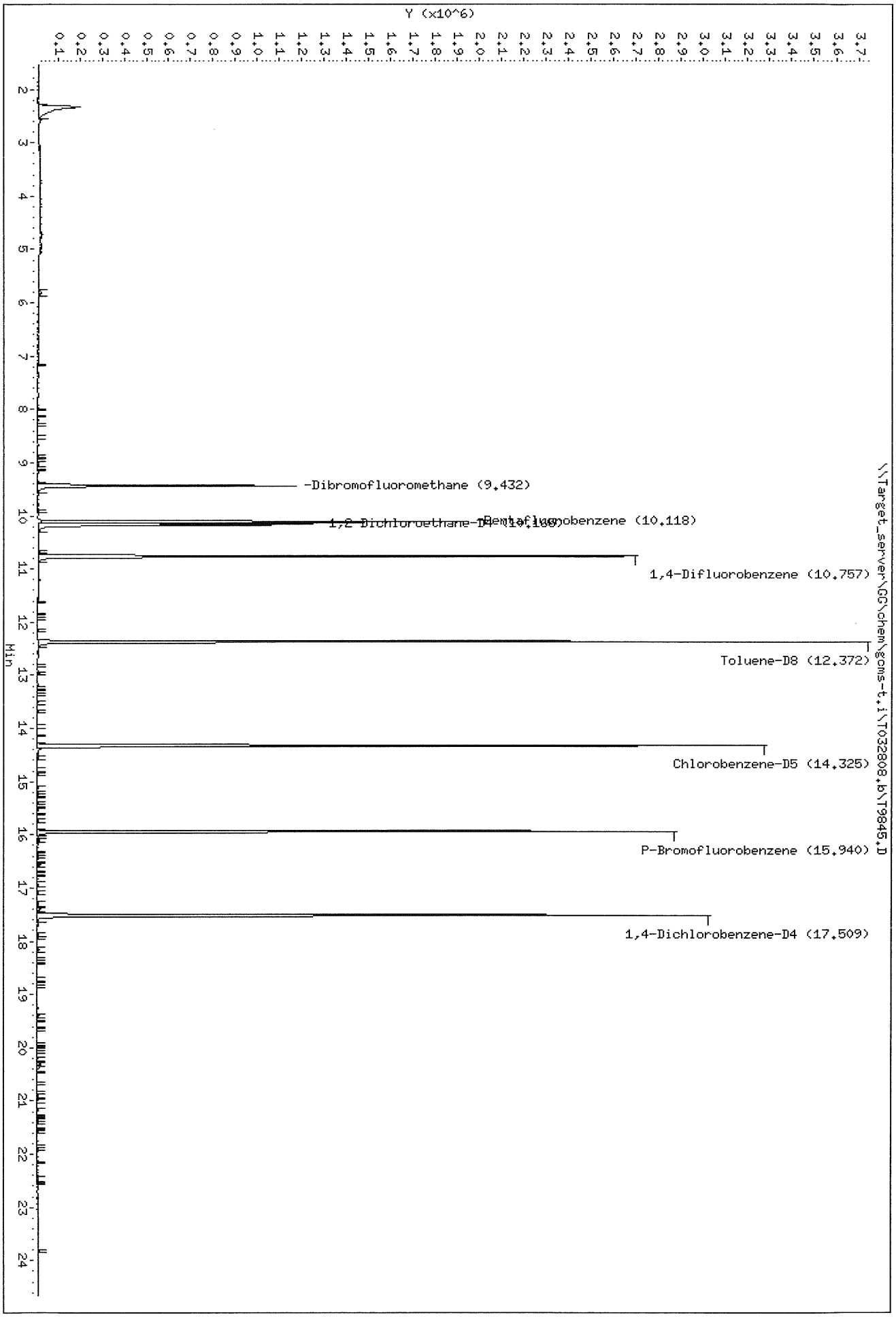
COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	1314984	657492	2629968	1343029	2.13
49 1,4-Difluorobenze	2208803	1104402	4417606	2229846	0.95
66 Chlorobenzene-D5	1834563	917282	3669126	1847393	0.70
91 1,4-Dichlorobenze	928023	464012	1856046	890638	-4.03

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	10.12	9.62	10.62	10.12	-0.01
49 1,4-Difluorobenze	10.76	10.26	11.26	10.77	0.10
66 Chlorobenzene-D5	14.33	13.83	14.83	14.32	-0.00
91 1,4-Dichlorobenze	17.51	17.01	18.01	17.51	-0.00

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.

Data File: \\Target_server\GC\chem\gcms-t.i\T032808.b\T9845.D
Date : 28-MAR-2008 14:13
Client ID: AWD-GW-TB2
Sample Info: SB1567-1

Instrument: gcms-t.i



KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 03/25/08
Received Date: 03/28/08
Extraction Date:
Analysis Date: 28-MAR-2008 14:45
Report Date: 04/02/2008
Matrix: WATER
% Solids: NA

Lab ID: SB1567-2
Client ID: AWDGWMW30520080325
SDG: CTO426-2
Extracted by:
Extraction Method: SW846 5030
Analyst: HCG
Analysis Method: SW846 8260B
Lab Prep Batch: WG49763
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
1634-04-4	Methyl tert-butyl ether	U	1	1.0	1	1	0.6
71-43-2	Benzene	U	1	1.0	1	1	0.4
108-88-3	Toluene	U	1	1.0	1	1	0.3
100-41-4	Ethylbenzene	U	1	1.0	1	1	0.4
1330-20-7	Xylenes (total)	U	3	1.0	3	3	0.4
	m+p-Xylenes	U	2	1.0	2	2	1.0
95-47-6	o-Xylene	U	1	1.0	1	1	0.4
98-82-8	Isopropylbenzene	U	1	1.0	1	1	0.5
91-20-3	Naphthalene	U	1	1.0	1	1	0.4
1868-53-7	Dibromofluoromethane		89%				
17060-07-0	1,2-Dichloroethane-D4		88%				
2037-26-5	Toluene-D8		95%				
460-00-4	P-Bromofluorobenzene		94%				

Data File: \\Target_server\GG\chem\gcms-t.i\T032808.b\T9846.D
Report Date: 02-Apr-2008 10:02

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gcms-t.i\T032808.b\T9846.D
Lab Smp Id: SB1567-2 Client Smp ID: AWDGWMW30520080325
Inj Date : 28-MAR-2008 14:45 MS Autotune Date: 05-MAR-2008 13:39
Operator : HCG Inst ID: gcms-t.i
Smp Info : SB1567-2
Misc Info : SW846 8260B
Comment :
Method : \\Target_server\GG\chem\gcms-t.i\T032808.b\T826a80.m
Meth Date : 28-Mar-2008 10:01 hgroshong Quant Type: ISTD
Cal Date : 26-MAR-2008 13:56 Cal File: T9813.D
Als bottle: 9
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TETRAT426001.sub
Target Version: 4.12
Processing Host: MIS_2

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)
$ 37 Dibromofluoromethane	113	9.437	9.437	(0.932)	799656	44.3708	44.4
$ 45 1,2-Dichloroethane-D4	65	10.169	10.169	(1.005)	743964	43.8623	43.9
$ 55 Toluene-D8	98	12.365	12.365	(1.149)	2595083	47.4972	47.5
$ 76 P-Bromofluorobenzene	95	15.944	15.944	(1.482)	1040334	47.1193	47.1
* 42 Pentafluorobenzene	168	10.122	10.122	(1.000)	1314994	50.0000	
* 49 1,4-Difluorobenzene	114	10.761	10.761	(1.000)	2166791	50.0000	
* 66 Chlorobenzene-D5	117	14.329	14.329	(1.000)	1819932	50.0000	
* 91 1,4-Dichlorobenzene-D4	152	17.513	17.513	(1.000)	870741	50.0000	

Data File: \\Target_server\GG\chem\gcms-t.i\T032808.b\T9846.D
Report Date: 02-Apr-2008 10:02

Katahdin Analytical Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcms-t.i
Lab File ID: T9846.D
Lab Smp Id: SB1567-2
Analysis Type: VOA
Quant Type: ISTD
Operator: HCG
Method File: \\Target_server\GG\chem\gcms-t.i\T032808.b\T826a80.m
Misc Info: SW846 8260B

Calibration Date: 28-MAR-2008
Calibration Time: 09:37
Client Smp ID: AWDGWMW30520080
Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 4

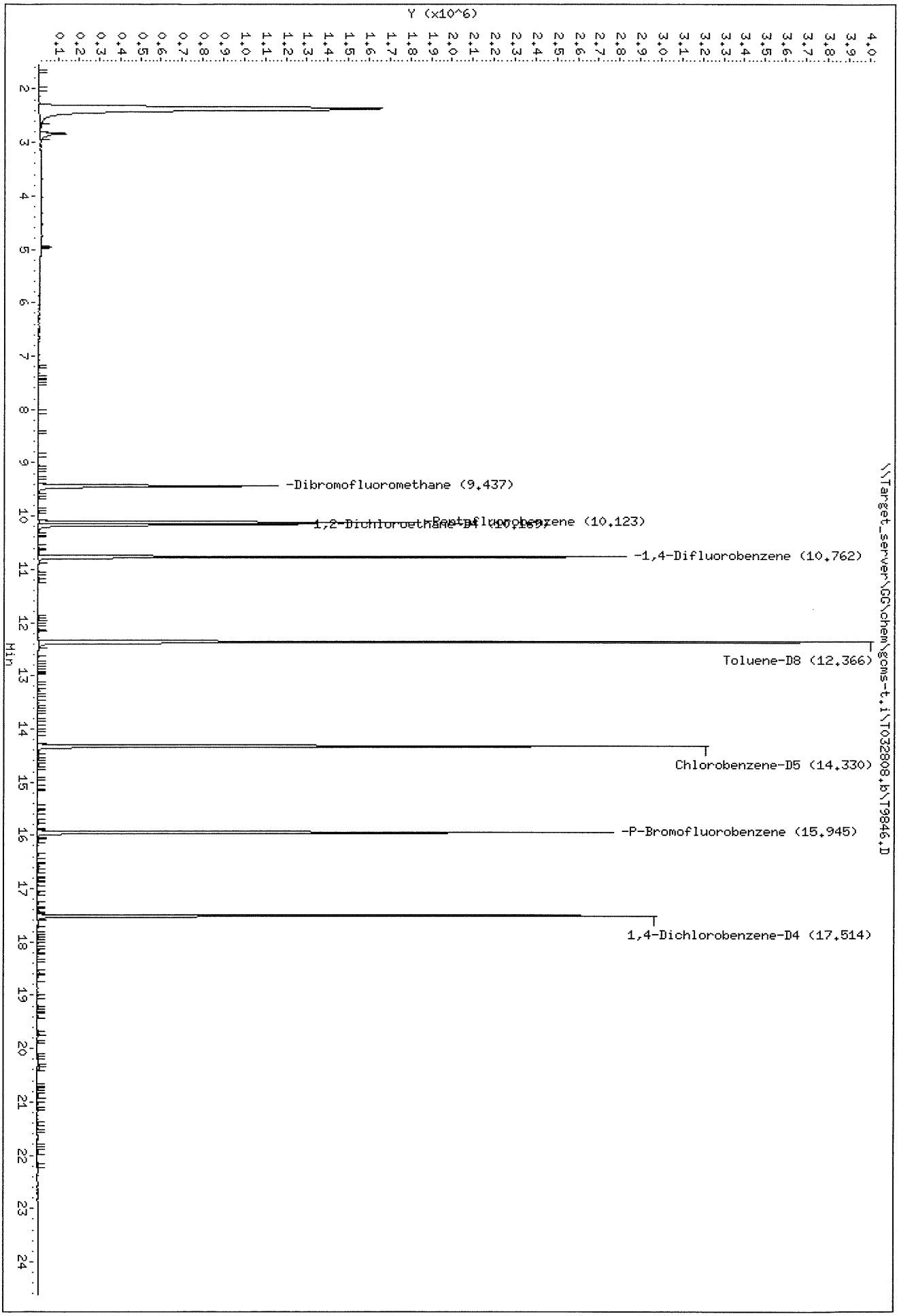
COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	1314984	657492	2629968	1314994	0.00
49 1,4-Difluorobenze	2208803	1104402	4417606	2166791	-1.90
66 Chlorobenzene-D5	1834563	917282	3669126	1819932	-0.80
91 1,4-Dichlorobenze	928023	464012	1856046	870741	-6.17

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	10.12	9.62	10.62	10.12	0.04
49 1,4-Difluorobenze	10.76	10.26	11.26	10.76	0.04
66 Chlorobenzene-D5	14.33	13.83	14.83	14.33	0.03
91 1,4-Dichlorobenze	17.51	17.01	18.01	17.51	0.02

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.

Data File: \\Target_server\GC\chem\gcms-t.i\T032808.b\T9846.D
Date : 28-MAR-2008 14:45
Client ID: AWDGWMW3052008032S
Sample Info: SB1567-2

Instrument: gcms-t.i



KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 03/26/08
Received Date: 03/28/08
Extraction Date:
Analysis Date: 28-MAR-2008 15:17
Report Date: 04/02/2008
Matrix: WATER
% Solids: NA

Lab ID: SB1567-3
Client ID: AWDGWMW30120080326
SDG: CTO426-2
Extracted by:
Extraction Method: SW846 5030
Analyst: HCG
Analysis Method: SW846 8260B
Lab Prep Batch: WG49763
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
1634-04-4	Methyl tert-butyl ether	U	1	1.0	1	1	0.6
71-43-2	Benzene	U	1	1.0	1	1	0.4
108-88-3	Toluene	U	1	1.0	1	1	0.3
100-41-4	Ethylbenzene	U	1	1.0	1	1	0.4
1330-20-7	Xylenes (total)	U	3	1.0	3	3	0.4
	m+p-Xylenes	U	2	1.0	2	2	1.0
95-47-6	o-Xylene	U	1	1.0	1	1	0.4
98-82-8	Isopropylbenzene	U	1	1.0	1	1	0.5
91-20-3	Naphthalene	U	1	1.0	1	1	0.4
1868-53-7	Dibromofluoromethane		92%				
17060-07-0	1,2-Dichloroethane-D4		91%				
2037-26-5	Toluene-D8		95%				
460-00-4	P-Bromofluorobenzene		95%				

Data File: \\Target_server\GG\chem\gcms-t.i\T032808.b\T9847.D
Report Date: 02-Apr-2008 10:02

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gcms-t.i\T032808.b\T9847.D
Lab Smp Id: SB1567-3 Client Smp ID: AWDGWMW30120080326
Inj Date : 28-MAR-2008 15:17 MS Autotune Date: 05-MAR-2008 13:39
Operator : HCG Inst ID: gcms-t.i
Smp Info : SB1567-3
Misc Info : SW846 8260B
Comment :
Method : \\Target_server\GG\chem\gcms-t.i\T032808.b\T826a80.m
Meth Date : 28-Mar-2008 10:01 hgroshong Quant Type: ISTD
Cal Date : 26-MAR-2008 13:56 Cal File: T9813.D
Als bottle: 10
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TETRAT426001.sub
Target Version: 4.12
Processing Host: MIS_2

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)
$ 37 Dibromofluoromethane	113	9.435	9.437	(0.932)	804895	45.9144	45.9
$ 45 1,2-Dichloroethane-D4	65	10.168	10.169	(1.005)	754537	45.7337	45.7
$ 55 Toluene-D8	98	12.364	12.365	(1.149)	2614102	47.6452	47.6
$ 76 P-Bromofluorobenzene	95	15.943	15.944	(1.482)	1058587	47.7455	47.7
* 42 Pentafluorobenzene	168	10.121	10.122	(1.000)	1279110	50.0000	
* 49 1,4-Difluorobenzene	114	10.760	10.761	(1.000)	2175890	50.0000	
* 66 Chlorobenzene-D5	117	14.328	14.329	(1.000)	1813286	50.0000	
* 91 1,4-Dichlorobenzene-D4	152	17.512	17.513	(1.000)	869006	50.0000	

Data File: \\Target_server\GG\chem\gcms-t.i\T032808.b\T9847.D
Report Date: 02-Apr-2008 10:02

Katahdin Analytical Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcms-t.i
Lab File ID: T9847.D
Lab Smp Id: SB1567-3
Analysis Type: VOA
Quant Type: ISTD
Operator: HCG
Method File: \\Target_server\GG\chem\gcms-t.i\T032808.b\T826a80.m
Misc Info: SW846 8260B

Calibration Date: 28-MAR-2008
Calibration Time: 09:37
Client Smp ID: AWDGWMW30120080
Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 4

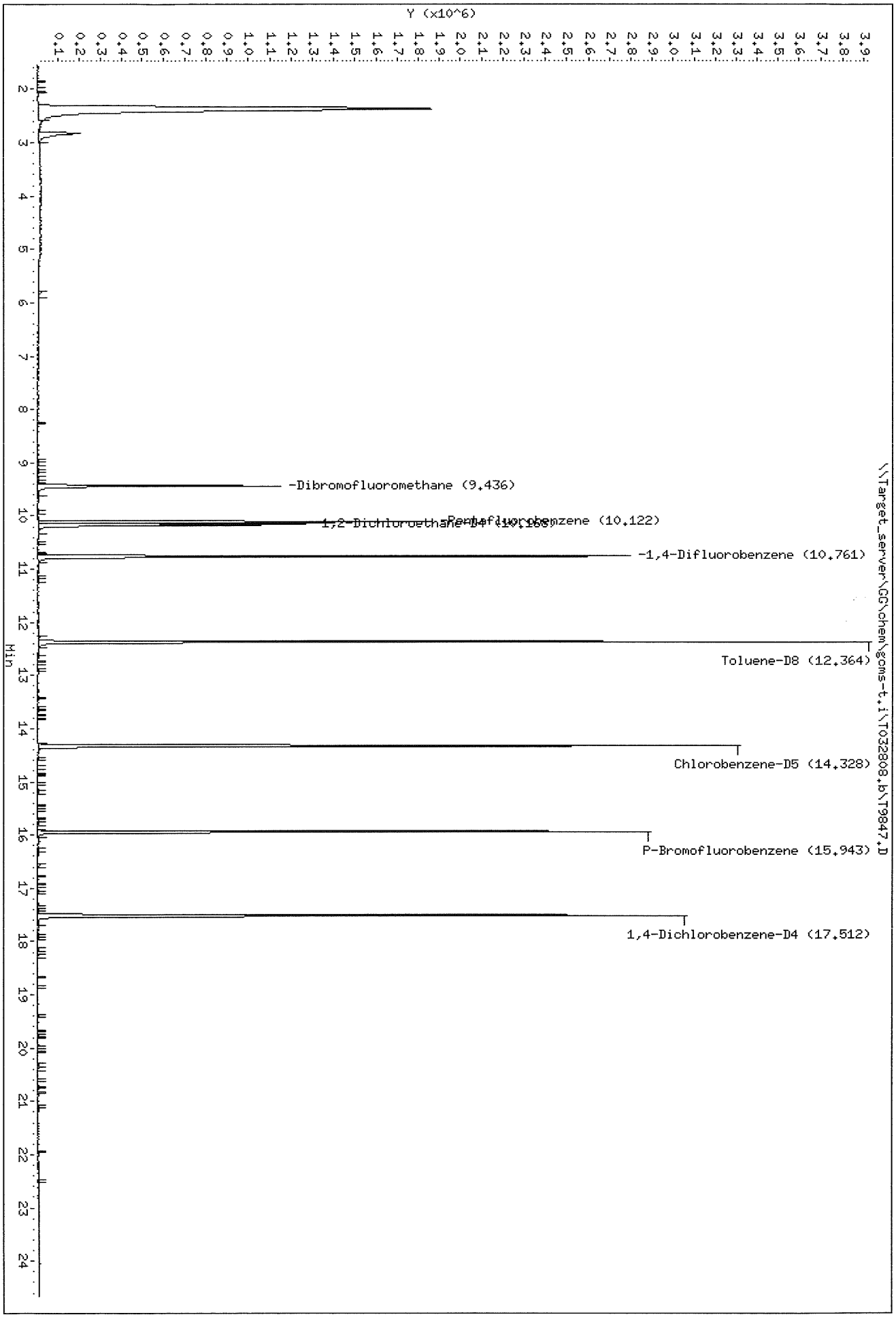
COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	1314984	657492	2629968	1279110	-2.73
49 1,4-Difluorobenze	2208803	1104402	4417606	2175890	-1.49
66 Chlorobenzene-D5	1834563	917282	3669126	1813286	-1.16
91 1,4-Dichlorobenze	928023	464012	1856046	869006	-6.36

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	10.12	9.62	10.62	10.12	0.03
49 1,4-Difluorobenze	10.76	10.26	11.26	10.76	0.03
66 Chlorobenzene-D5	14.33	13.83	14.83	14.33	0.02
91 1,4-Dichlorobenze	17.51	17.01	18.01	17.51	0.02

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.

Data File: \\Target_server\GC\chem\gcms-t.i\T032808.b\T9847.D
Date : 28-MAR-2008 15:17
Client ID: AWDGWW301200803 26
Sample Info: SB1567-3

Instrument: gcms-t.i



KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 03/26/08
Received Date: 03/28/08
Extraction Date:
Analysis Date: 28-MAR-2008 15:48
Report Date: 04/02/2008
Matrix: WATER
% Solids: NA

Lab ID: SB1567-4
Client ID: AWDGWMW40120080326
SDG: CTO426-2
Extracted by:
Extraction Method: SW846 5030
Analyst: HCG
Analysis Method: SW846 8260B
Lab Prep Batch: WG49763
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
1634-04-4	Methyl tert-butyl ether	U	1	1.0	1	1	0.6
71-43-2	Benzene	U	1	1.0	1	1	0.4
108-88-3	Toluene	U	1	1.0	1	1	0.3
100-41-4	Ethylbenzene	U	1	1.0	1	1	0.4
1330-20-7	Xylenes (total)	U	3	1.0	3	3	0.4
	m+p-Xylenes	U	2	1.0	2	2	1.0
95-47-6	o-Xylene	U	1	1.0	1	1	0.4
98-82-8	Isopropylbenzene	U	1	1.0	1	1	0.5
91-20-3	Naphthalene	U	1	1.0	1	1	0.4
1868-53-7	Dibromofluoromethane		90%				
17060-07-0	1,2-Dichloroethane-D4		90%				
2037-26-5	Toluene-D8		93%				
460-00-4	P-Bromofluorobenzene		93%				

Data File: \\Target_server\GG\chem\gcms-t.i\T032808.b\T9848.D
Report Date: 02-Apr-2008 10:02

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gcms-t.i\T032808.b\T9848.D
Lab Smp Id: SB1567-4 Client Smp ID: AWDGWMW40120080326
Inj Date : 28-MAR-2008 15:48 MS Autotune Date: 05-MAR-2008 13:39
Operator : HCG Inst ID: gcms-t.i
Smp Info : SB1567-4
Misc Info : SW846 8260B
Comment :
Method : \\Target_server\GG\chem\gcms-t.i\T032808.b\T826a80.m
Meth Date : 28-Mar-2008 10:01 hgroshong Quant Type: ISTD
Cal Date : 26-MAR-2008 13:56 Cal File: T9813.D
Als bottle: 11
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TETRAT426001.sub
Target Version: 4.12
Processing Host: MIS_2

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)
$ 37 Dibromofluoromethane	113	9.432	9.437	(0.932)	790004	45.2541	45.2
$ 45 1,2-Dichloroethane-D4	65	10.164	10.169	(1.005)	738721	44.9629	45.0
$ 55 Toluene-D8	98	12.372	12.365	(1.149)	2567980	46.4362	46.4
$ 76 P-Bromofluorobenzene	95	15.939	15.944	(1.480)	1043271	46.6844	46.7
* 42 Pentafluorobenzene	168	10.117	10.122	(1.000)	1273765	50.0000	
* 49 1,4-Difluorobenzene	114	10.768	10.761	(1.000)	2193152	50.0000	
* 66 Chlorobenzene-D5	117	14.324	14.329	(1.000)	1807142	50.0000	
* 91 1,4-Dichlorobenzene-D4	152	17.508	17.513	(1.000)	860697	50.0000	

Data File: \\Target_server\GG\chem\gcms-t.i\T032808.b\T9848.D
Report Date: 02-Apr-2008 10:02

Katahdin Analytical Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcms-t.i
Lab File ID: T9848.D
Lab Smp Id: SB1567-4
Analysis Type: VOA
Quant Type: ISTD
Operator: HCG
Method File: \\Target_server\GG\chem\gcms-t.i\T032808.b\T826a80.m
Misc Info: SW846 8260B

Calibration Date: 28-MAR-2008
Calibration Time: 09:37
Client Smp ID: AWDGWMW40120080
Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 4

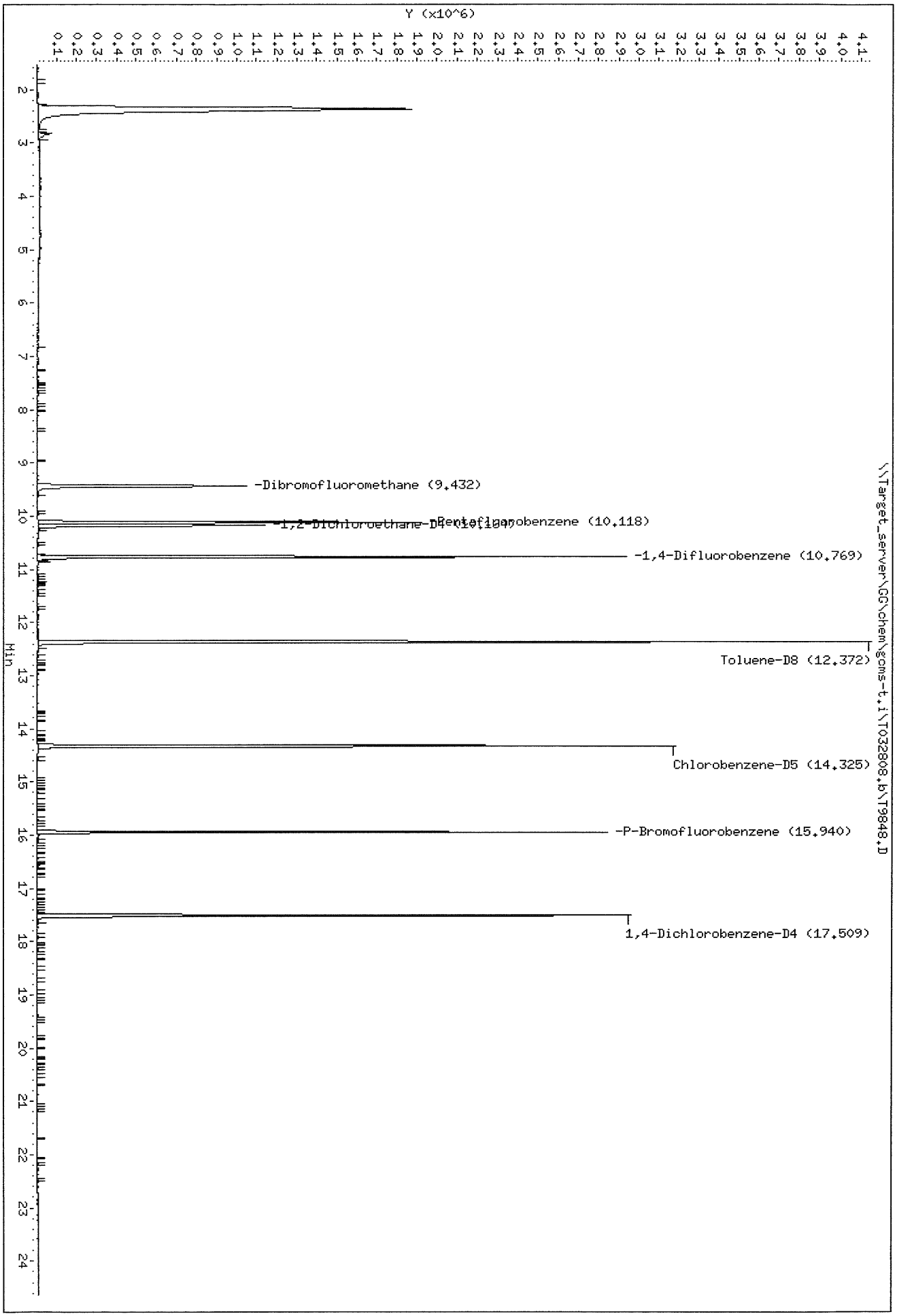
COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	1314984	657492	2629968	1273765	-3.13
49 1,4-Difluorobenze	2208803	1104402	4417606	2193152	-0.71
66 Chlorobenzene-D5	1834563	917282	3669126	1807142	-1.49
91 1,4-Dichlorobenze	928023	464012	1856046	860697	-7.25

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	10.12	9.62	10.62	10.12	-0.01
49 1,4-Difluorobenze	10.76	10.26	11.26	10.77	0.10
66 Chlorobenzene-D5	14.33	13.83	14.83	14.32	-0.00
91 1,4-Dichlorobenze	17.51	17.01	18.01	17.51	-0.00

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.

Data File: \\Target_server\GC\chem\gcms-t.i\T032808.b\T9848.D
Date : 28-MAR-2008 15:48
Client ID: AWDGWW4401200803 26
Sample Info: SB1567-4

Instrument: gcms-t.i



KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 03/26/08
Received Date: 03/28/08
Extraction Date:
Analysis Date: 28-MAR-2008 16:20
Report Date: 04/02/2008
Matrix: WATER
% Solids: NA

Lab ID: SB1567-5
Client ID: AWDGWMW30220080326
SDG: CTO426-2
Extracted by:
Extraction Method: SW846 5030
Analyst: HCG
Analysis Method: SW846 8260B
Lab Prep Batch: WG49763
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
1634-04-4	Methyl tert-butyl ether	U	1	1.0	1	1	0.6
71-43-2	Benzene	U	1	1.0	1	1	0.4
108-88-3	Toluene	U	1	1.0	1	1	0.3
100-41-4	Ethylbenzene	U	1	1.0	1	1	0.4
1330-20-7	Xylenes (total)	U	3	1.0	3	3	0.4
	m+p-Xylenes	U	2	1.0	2	2	1.0
95-47-6	o-Xylene	U	1	1.0	1	1	0.4
98-82-8	Isopropylbenzene	U	1	1.0	1	1	0.5
91-20-3	Naphthalene	U	1	1.0	1	1	0.4
1868-53-7	Dibromofluoromethane		93%				
17060-07-0	1,2-Dichloroethane-D4		93%				
2037-26-5	Toluene-D8		95%				
460-00-4	P-Bromofluorobenzene		95%				

Data File: \\Target_server\GG\chem\gcms-t.i\T032808.b\T9849.D
Report Date: 02-Apr-2008 10:02

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gcms-t.i\T032808.b\T9849.D
Lab Smp Id: SB1567-5 Client Smp ID: AWDGWMW30220080326
Inj Date : 28-MAR-2008 16:20 MS Autotune Date: 05-MAR-2008 13:39
Operator : HCG Inst ID: gcms-t.i
Smp Info : SB1567-5
Misc Info : SW846 8260B
Comment :
Method : \\Target_server\GG\chem\gcms-t.i\T032808.b\T826a80.m
Meth Date : 28-Mar-2008 10:01 hgroshong Quant Type: ISTD
Cal Date : 26-MAR-2008 13:56 Cal File: T9813.D
Als bottle: 12
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TETRAT426001.sub
Target Version: 4.12
Processing Host: MIS_2

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)
$ 37 Dibromofluoromethane	113	9.437	9.437	(0.932)	814304	46.7019	46.7
$ 45 1,2-Dichloroethane-D4	65	10.169	10.169	(1.005)	761319	46.3938	46.4
$ 55 Toluene-D8	98	12.365	12.365	(1.149)	2621644	47.3206	47.3
$ 76 P-Bromofluorobenzene	95	15.944	15.944	(1.482)	1062930	47.4778	47.5
* 42 Pentafluorobenzene	168	10.122	10.122	(1.000)	1272244	50.0000	
* 49 1,4-Difluorobenzene	114	10.762	10.761	(1.000)	2197139	50.0000	
* 66 Chlorobenzene-D5	117	14.329	14.329	(1.000)	1839452	50.0000	
* 91 1,4-Dichlorobenzene-D4	152	17.513	17.513	(1.000)	876761	50.0000	

Data File: \\Target_server\GG\chem\gcms-t.i\T032808.b\T9849.D
Report Date: 02-Apr-2008 10:02

Katahdin Analytical Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcms-t.i
Lab File ID: T9849.D
Lab Smp Id: SB1567-5
Analysis Type: VOA
Quant Type: ISTD
Operator: HCG
Method File: \\Target_server\GG\chem\gcms-t.i\T032808.b\T826a80.m
Misc Info: SW846 8260B

Calibration Date: 28-MAR-2008
Calibration Time: 09:37
Client Smp ID: AWDGWMW30220080
Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 4

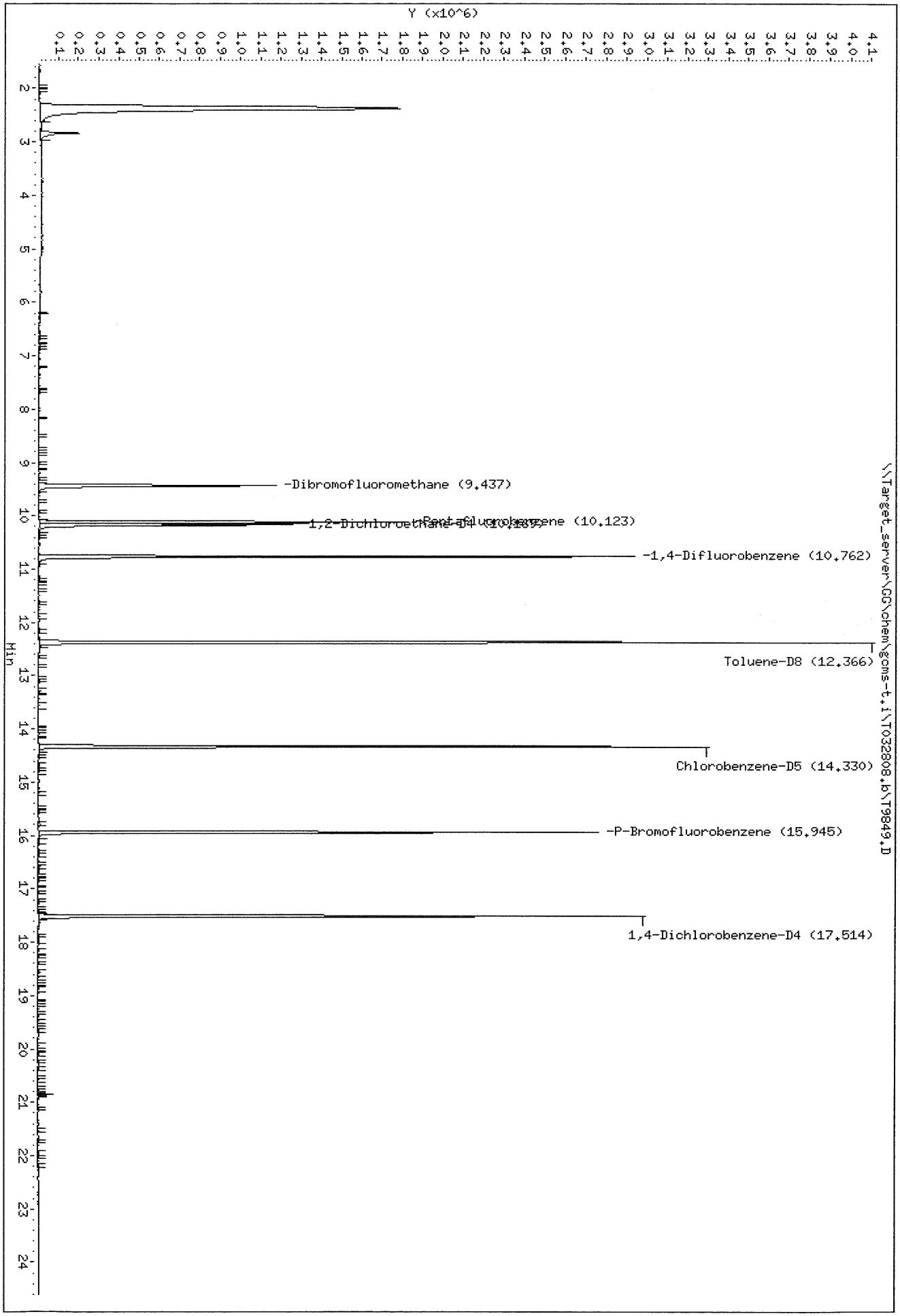
COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	1314984	657492	2629968	1272244	-3.25
49 1,4-Difluorobenze	2208803	1104402	4417606	2197139	-0.53
66 Chlorobenzene-D5	1834563	917282	3669126	1839452	0.27
91 1,4-Dichlorobenze	928023	464012	1856046	876761	-5.52

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	10.12	9.62	10.62	10.12	0.04
49 1,4-Difluorobenze	10.76	10.26	11.26	10.76	0.04
66 Chlorobenzene-D5	14.33	13.83	14.83	14.33	0.03
91 1,4-Dichlorobenze	17.51	17.01	18.01	17.51	0.02

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.

Data File: \\Target_server\GC\chem\gcms-t.i\T032808.b\T9849.D
Date : 28-MAR-2008 16:20
Client ID: AWDGWMW3022008O326
Sample Info: SB1567-5

Instrument: gcms-t.i



KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 03/26/08
Received Date: 03/28/08
Extraction Date:
Analysis Date: 28-MAR-2008 16:52
Report Date: 04/02/2008
Matrix: WATER
% Solids: NA

Lab ID: SB1567-6
Client ID: AWDGWMW30320080326
SDG: CTO426-2
Extracted by:
Extraction Method: SW846 5030
Analyst: HCG
Analysis Method: SW846 8260B
Lab Prep Batch: WG49763
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
1634-04-4	Methyl tert-butyl ether	U	1	1.0	1	1	0.6
71-43-2	Benzene	U	1	1.0	1	1	0.4
108-88-3	Toluene	U	1	1.0	1	1	0.3
100-41-4	Ethylbenzene	J	0.5	1.0	1	1	0.4
1330-20-7	Xylenes (total)	J	2	1.0	3	3	0.4
	m+p-Xylenes	J	1	1.0	2	2	1.0
95-47-6	o-Xylene		1	1.0	1	1	0.4
98-82-8	Isopropylbenzene		8	1.0	1	1	0.5
91-20-3	Naphthalene		23	1.0	1	1	0.4
1868-53-7	Dibromofluoromethane		95%				
17060-07-0	1,2-Dichloroethane-D4		94%				
2037-26-5	Toluene-D8		95%				
460-00-4	P-Bromofluorobenzene		96%				

Data File: \\Target_server\GG\chem\gcms-t.i\T032808.b\T9850.D
Report Date: 02-Apr-2008 10:02

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gcms-t.i\T032808.b\T9850.D
Lab Smp Id: SB1567-6 Client Smp ID: AWDGWMW30320080326
Inj Date : 28-MAR-2008 16:52 MS Autotune Date: 05-MAR-2008 13:39
Operator : HCG Inst ID: gcms-t.i
Smp Info : SB1567-6
Misc Info : SW846 8260B
Comment :
Method : \\Target_server\GG\chem\gcms-t.i\T032808.b\T826a80.m
Meth Date : 28-Mar-2008 10:01 hgroshong Quant Type: ISTD
Cal Date : 26-MAR-2008 13:56 Cal File: T9813.D
Als bottle: 13
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TETRAT426001.sub
Target Version: 4.12
Processing Host: MIS_2

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)
	68 Ethylbenzene	106	14.364	14.375	(1.002)	11247	0.49735	0.50(a)
M	70 Xylenes (total)	106				64675	2.40131	2.4(a)
	71 m+p-Xylenes	106	14.562	14.561	(1.016)	37566	1.38364	1.4(a)
	72 o-Xylene	106	15.119	15.131	(1.055)	27109	1.01767	1.0
	75 Isopropylbenzene	105	15.538	15.537	(0.887)	494378	8.41146	8.4
	101 Naphthalene	128	20.883	20.895	(1.192)	679327	23.3632	23.4
$	37 Dibromofluoromethane	113	9.437	9.437	(0.932)	812415	47.4381	47.4
$	45 1,2-Dichloroethane-D4	65	10.169	10.169	(1.005)	754832	46.8323	46.8
$	55 Toluene-D8	98	12.365	12.365	(1.149)	2597725	47.5448	47.5
$	76 P-Bromofluorobenzene	95	15.944	15.944	(1.482)	1061222	48.0646	48.1
*	42 Pentafluorobenzene	168	10.123	10.122	(1.000)	1249593	50.0000	
*	49 1,4-Difluorobenzene	114	10.762	10.761	(1.000)	2166825	50.0000	
*	66 Chlorobenzene-D5	117	14.329	14.329	(1.000)	1826500	50.0000	
*	91 1,4-Dichlorobenzene-D4	152	17.513	17.513	(1.000)	892562	50.0000	

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: \\Target_server\GG\chem\gcms-t.i\T032808.b\T9850.D
Report Date: 02-Apr-2008 10:02

Katahdin Analytical Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcms-t.i
Lab File ID: T9850.D
Lab Smp Id: SB1567-6
Analysis Type: VOA
Quant Type: ISTD
Operator: HCG
Method File: \\Target_server\GG\chem\gcms-t.i\T032808.b\T826a80.m
Misc Info: SW846 8260B

Calibration Date: 28-MAR-2008
Calibration Time: 09:37
Client Smp ID: AWDGWMW30320080
Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 4

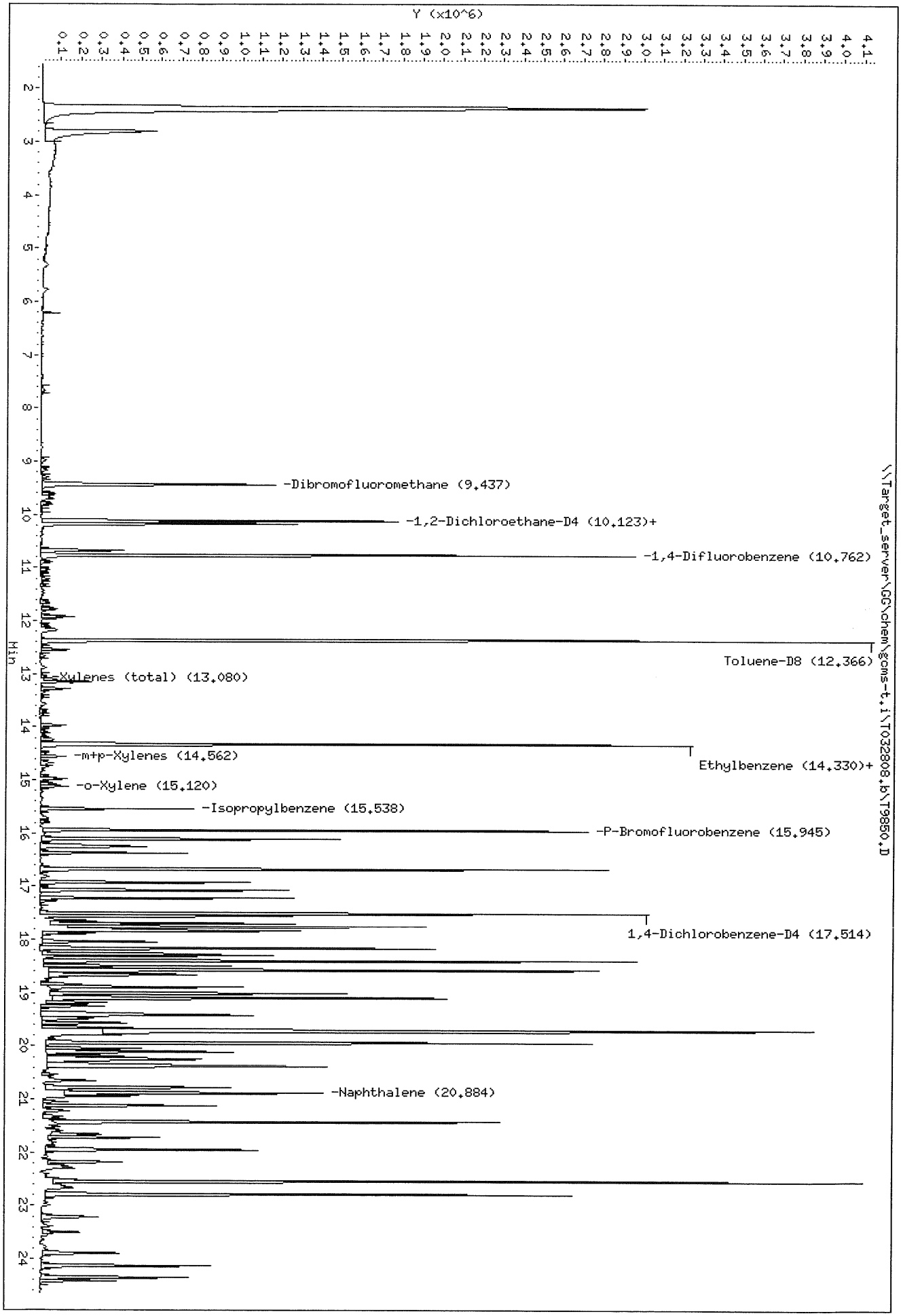
COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	1314984	657492	2629968	1249593	-4.97
49 1,4-Difluorobenze	2208803	1104402	4417606	2166825	-1.90
66 Chlorobenzene-D5	1834563	917282	3669126	1826500	-0.44
91 1,4-Dichlorobenze	928023	464012	1856046	892562	-3.82

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	10.12	9.62	10.62	10.12	0.04
49 1,4-Difluorobenze	10.76	10.26	11.26	10.76	0.04
66 Chlorobenzene-D5	14.33	13.83	14.83	14.33	0.03
91 1,4-Dichlorobenze	17.51	17.01	18.01	17.51	0.02

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.

Data File: \\Target_server\GC\chem\gcms-t.i\T032808.b\T9850.D
Date : 28-MAR-2008 16:52
Client ID: AWDGWW3032008O326
Sample Info: SB1567-6

Instrument: gcms-t.i



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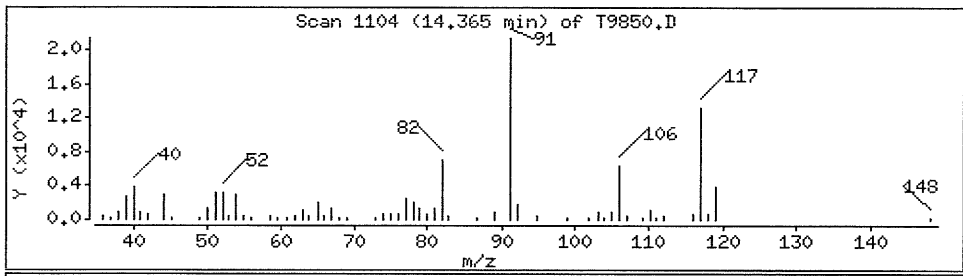
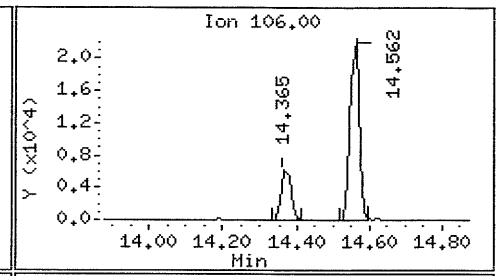
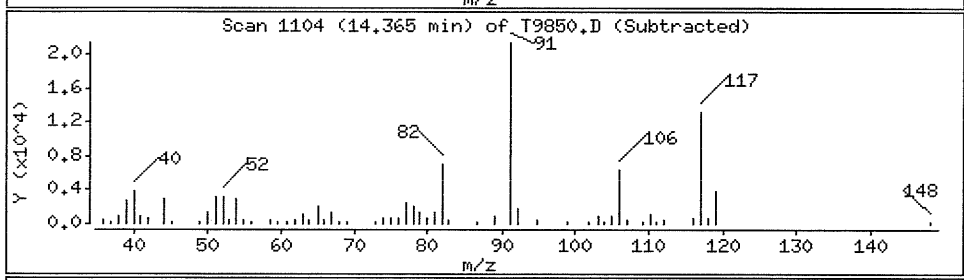
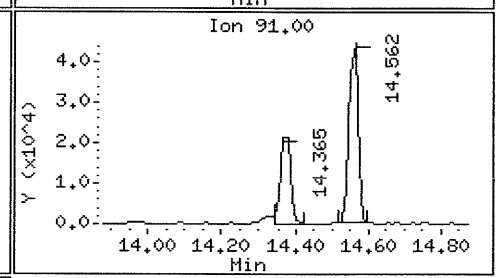
Date : 28-MAR-2008 16:52
Client ID: AWDGWMW30320080326 Instrument: gcms-t.i
Sample Info: SB1567-6

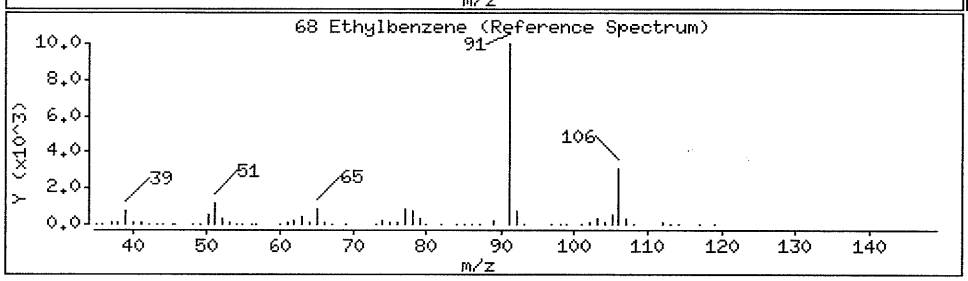
68 Ethylbenzene Concentration: 0.50 ug/l



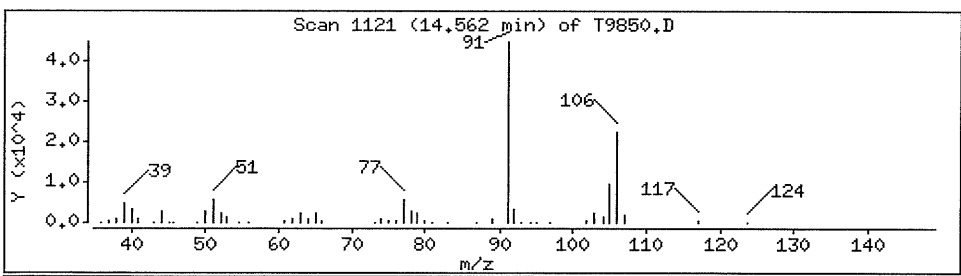


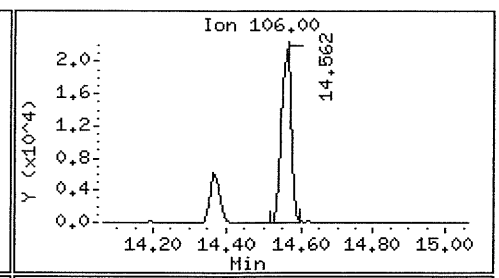


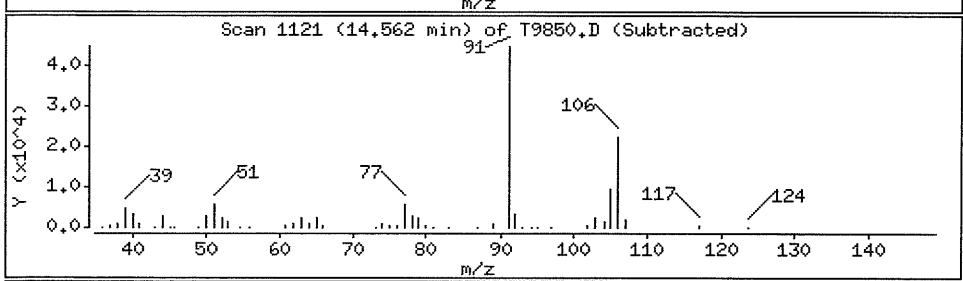


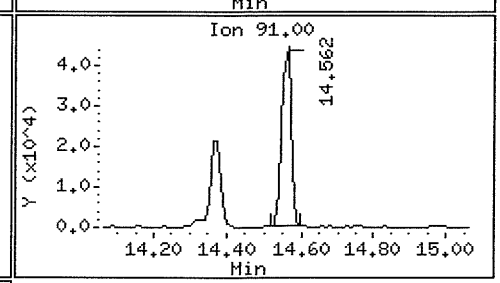


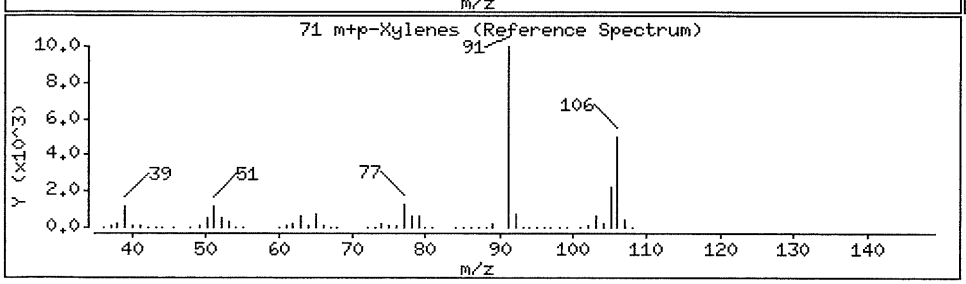
71 m+p-Xylenes Concentration: 1.4 ug/l











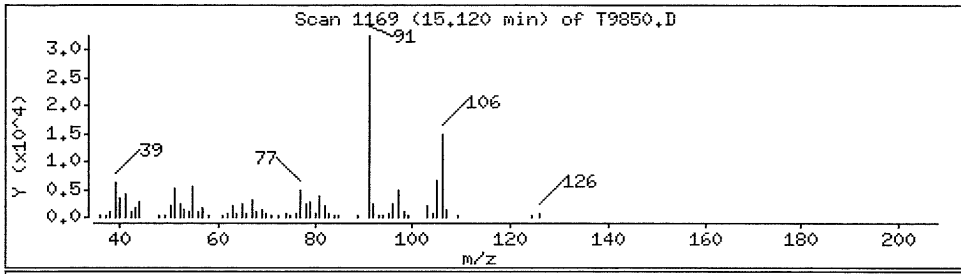
Data File: \\Target_server\GC\chem\gcms-t.i\T032808.b\T9850.D

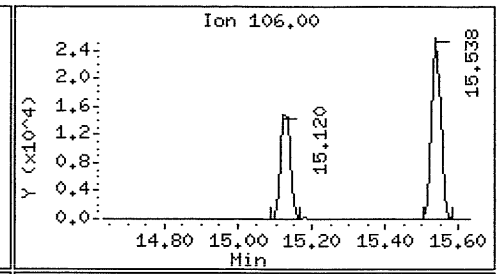
Date : 28-MAR-2008 16:52

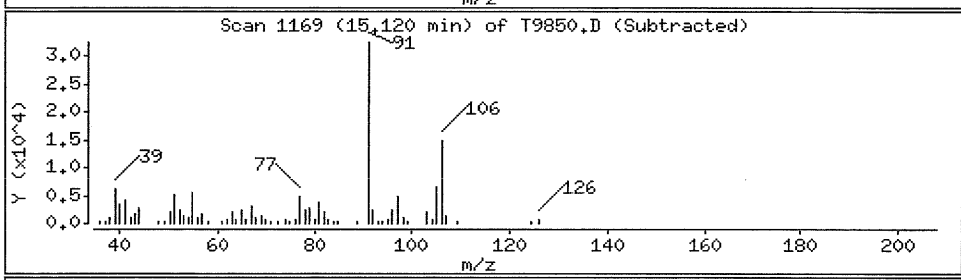
Client ID: AWDGWMW30320080326 Instrument: gcms-t.i

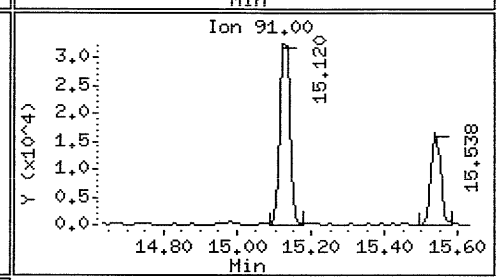
Sample Info: SB1567-6

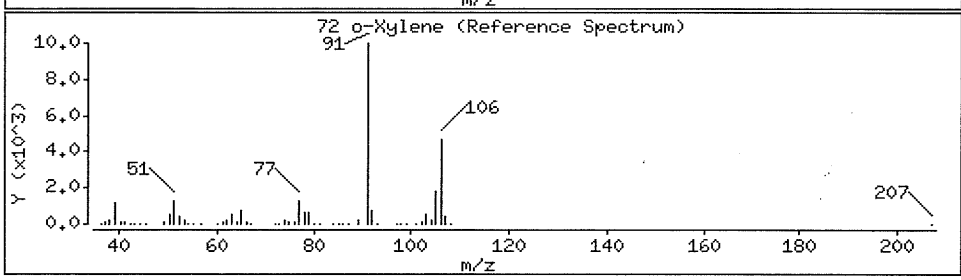
72 o-Xylene Concentration: 1.0 ug/l



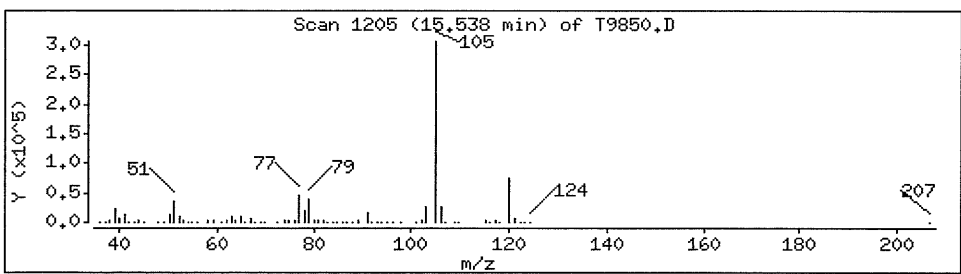


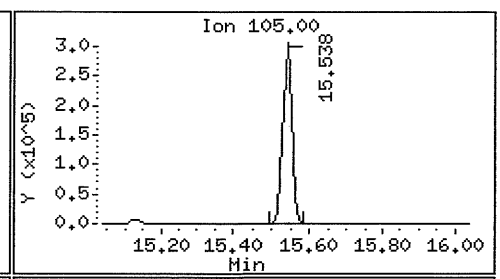


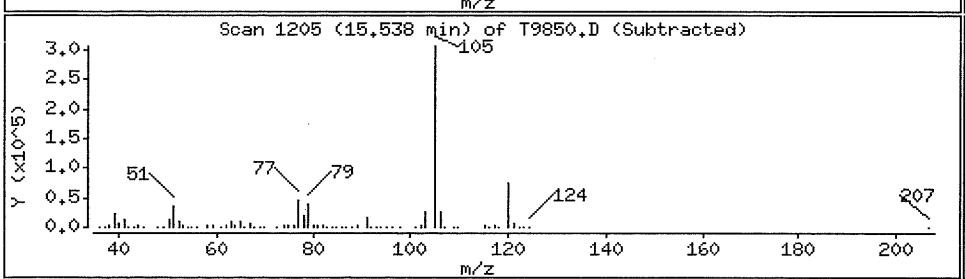


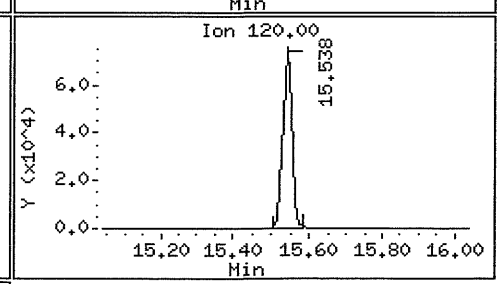


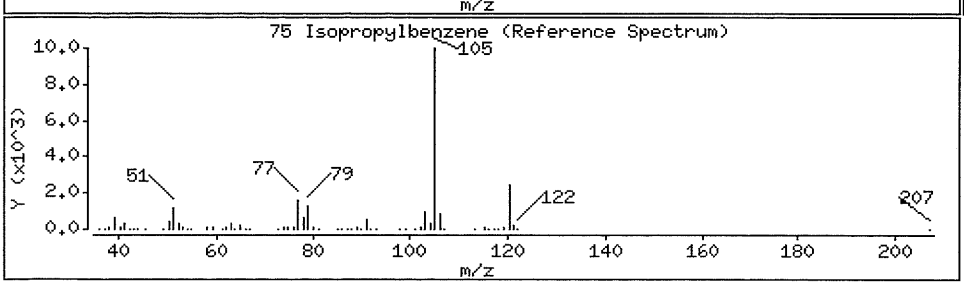
75 Isopropylbenzene Concentration: 8.4 ug/l











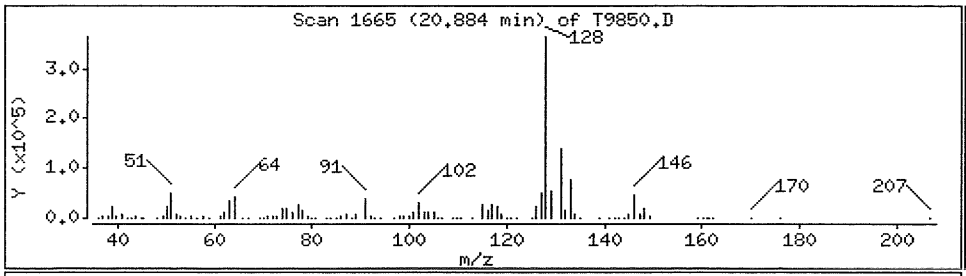
Data File: \\Target_server\GC\chem\gcms-t.i\T032808.b\T9850.D

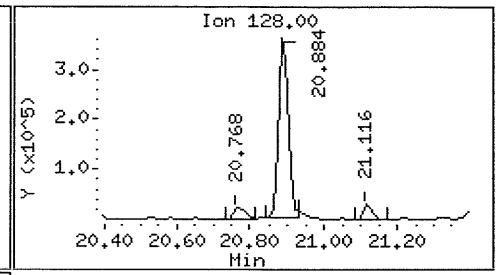
Date : 28-MAR-2008 16:52

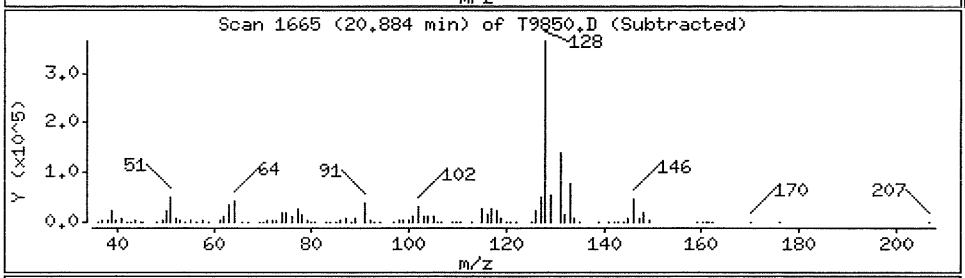
Client ID: AWDGWMW30320080326 Instrument: gcms-t.i

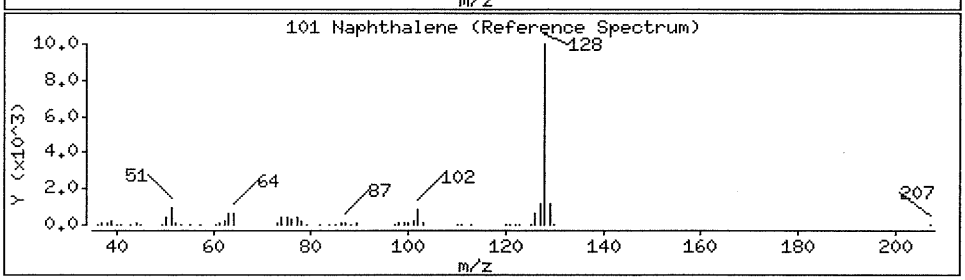
Sample Info: SB1567-6

101 Naphthalene Concentration: 23.4 ug/l









KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 03/26/08
Received Date: 03/28/08
Extraction Date:
Analysis Date: 28-MAR-2008 17:24
Report Date: 04/02/2008
Matrix: WATER
% Solids: NA

Lab ID: SB1567-7
Client ID: AWDGWMW40220080326
SDG: CTO426-2
Extracted by:
Extraction Method: SW846 5030
Analyst: HCG
Analysis Method: SW846 8260B
Lab Prep Batch: WG49763
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
1634-04-4	Methyl tert-butyl ether	U	1	1.0	1	1	0.6
71-43-2	Benzene	U	1	1.0	1	1	0.4
108-88-3	Toluene	U	1	1.0	1	1	0.3
100-41-4	Ethylbenzene	J	0.7	1.0	1	1	0.4
1330-20-7	Xylenes (total)	J	0.5	1.0	3	3	0.4
	m+p-Xylenes	U	2	1.0	2	2	1.0
95-47-6	o-Xylene	J	0.5	1.0	1	1	0.4
98-82-8	Isopropylbenzene		1	1.0	1	1	0.5
91-20-3	Naphthalene		5	1.0	1	1	0.4
1868-53-7	Dibromofluoromethane		90%				
17060-07-0	1,2-Dichloroethane-D4		86%				
2037-26-5	Toluene-D8		94%				
460-00-4	P-Bromofluorobenzene		94%				

Data File: \\Target_server\GG\chem\gcms-t.i\T032808.b\T9851.D
Report Date: 02-Apr-2008 10:02

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gcms-t.i\T032808.b\T9851.D
Lab Smp Id: SB1567-7 Client Smp ID: AWDGWMW40220080326
Inj Date : 28-MAR-2008 17:24 MS Autotune Date: 05-MAR-2008 13:39
Operator : HCG Inst ID: gcms-t.i
Smp Info : SB1567-7
Misc Info : SW846 8260B
Comment :
Method : \\Target_server\GG\chem\gcms-t.i\T032808.b\T826a80.m
Meth Date : 28-Mar-2008 10:01 hgroshong Quant Type: ISTD
Cal Date : 26-MAR-2008 13:56 Cal File: T9813.D
Als bottle: 14
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TETRAT426001.sub
Target Version: 4.12
Processing Host: MIS_2

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)
68 Ethylbenzene	106	14.365	14.375	(1.002)	16376	0.71771	0.72(a)
M 70 Xylenes (total)	106				13791	0.51311	0.51(a)
72 o-Xylene	106	15.120	15.131	(1.055)	13791	0.51311	0.51(a)
75 Isopropylbenzene	105	15.539	15.537	(0.887)	66892	1.12938	1.1
101 Naphthalene	128	20.884	20.895	(1.192)	144843	4.94317	4.9
$ 37 Dibromofluoromethane	113	9.438	9.437	(0.932)	821752	45.1453	45.1
$ 45 1,2-Dichloroethane-D4	65	10.170	10.169	(1.005)	738535	43.1110	43.1
$ 55 Toluene-D8	98	12.366	12.365	(1.149)	2608671	46.8828	46.9
$ 76 P-Bromofluorobenzene	95	15.934	15.944	(1.480)	1056891	47.0039	47.0
* 42 Pentafluorobenzene	168	10.124	10.122	(1.000)	1328147	50.0000	
* 49 1,4-Difluorobenzene	114	10.763	10.761	(1.000)	2206680	50.0000	
* 66 Chlorobenzene-D5	117	14.330	14.329	(1.000)	1842901	50.0000	
* 91 1,4-Dichlorobenzene-D4	152	17.514	17.513	(1.000)	899464	50.0000	

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: \\Target_server\GG\chem\gcms-t.i\T032808.b\T9851.D
Report Date: 02-Apr-2008 10:02

Katahdin Analytical Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcms-t.i
Lab File ID: T9851.D
Lab Smp Id: SB1567-7
Analysis Type: VOA
Quant Type: ISTD
Operator: HCG
Method File: \\Target_server\GG\chem\gcms-t.i\T032808.b\T826a80.m
Misc Info: SW846 8260B

Calibration Date: 28-MAR-2008
Calibration Time: 09:37
Client Smp ID: AWDGWMW40220080
Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 4

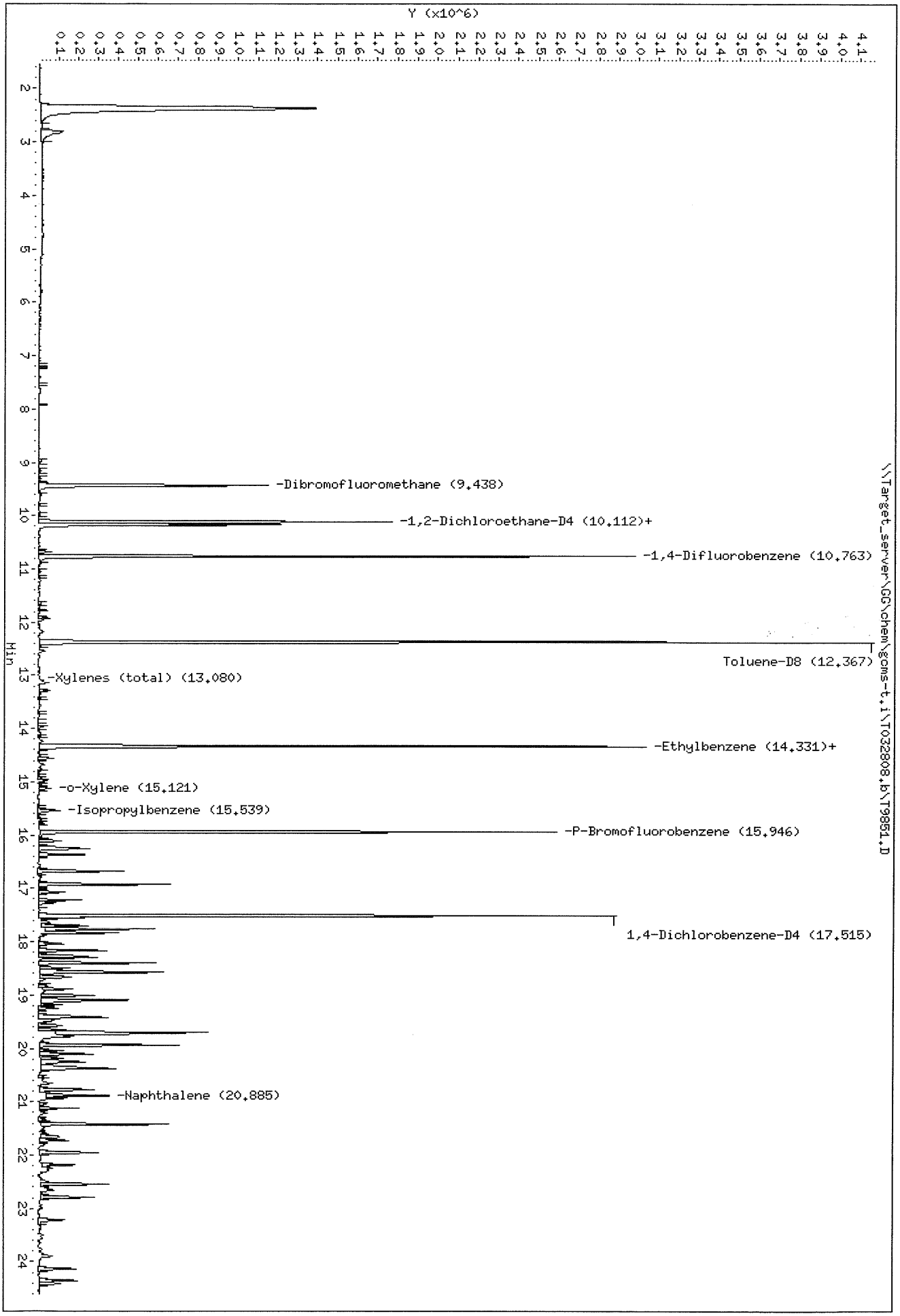
COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	1314984	657492	2629968	1328147	1.00
49 1,4-Difluorobenze	2208803	1104402	4417606	2206680	-0.10
66 Chlorobenzene-D5	1834563	917282	3669126	1842901	0.45
91 1,4-Dichlorobenze	928023	464012	1856046	899464	-3.08

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	10.12	9.62	10.62	10.12	0.05
49 1,4-Difluorobenze	10.76	10.26	11.26	10.76	0.05
66 Chlorobenzene-D5	14.33	13.83	14.83	14.33	0.04
91 1,4-Dichlorobenze	17.51	17.01	18.01	17.51	0.03

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.

Data File: \\Target_server\GC\chem\gcms-t.i\T032808.b\T9851.D
Date : 28-MAR-2008 17:24
Client ID: AWDGWW4022008032 6
Sample Info: SB1567-7

Instrument: gcms-t.i



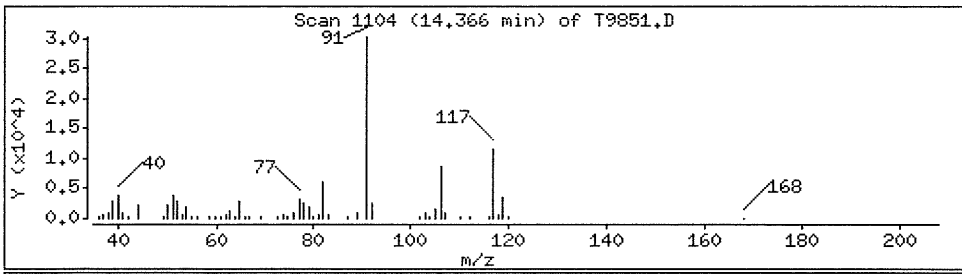
Data File: \\Target_server\GG\chem\gcms-t.i\T032808.b\T9851.D

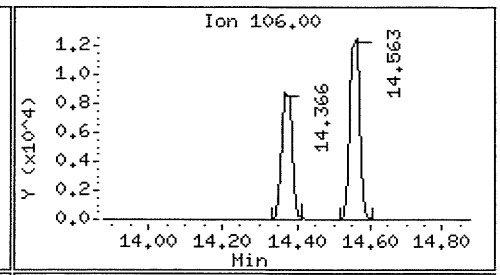
Date : 28-MAR-2008 17:24

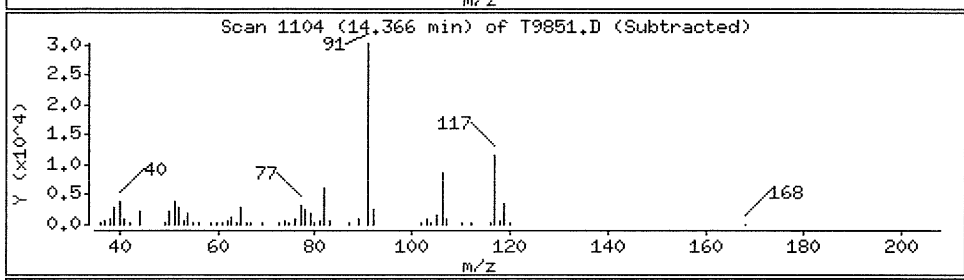
Client ID: AWDGWMW40220080326 Instrument: gcms-t.i

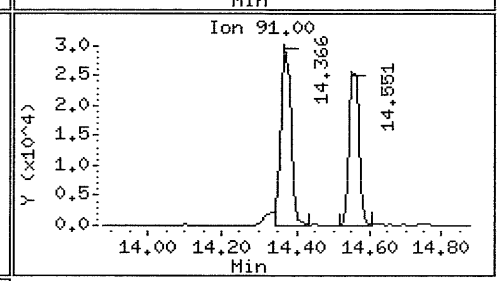
Sample Info: SB1567-7

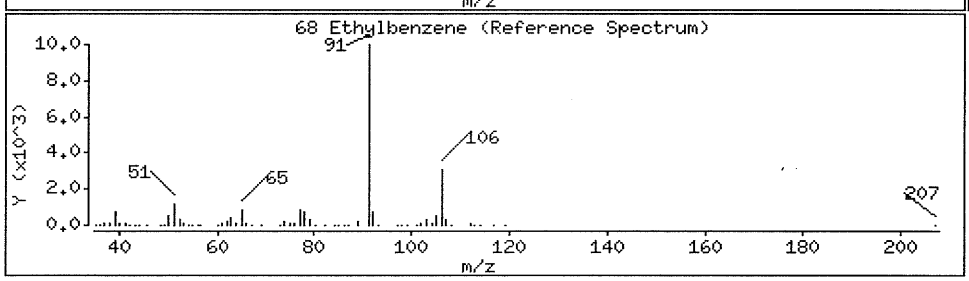
68 Ethylbenzene Concentration: 0.72 ug/l



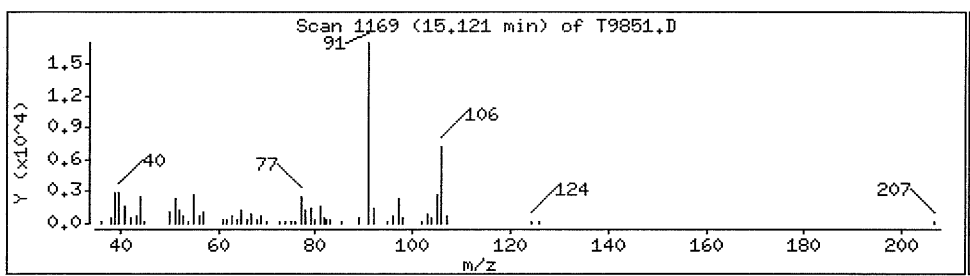


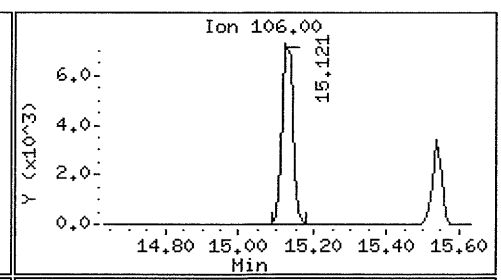


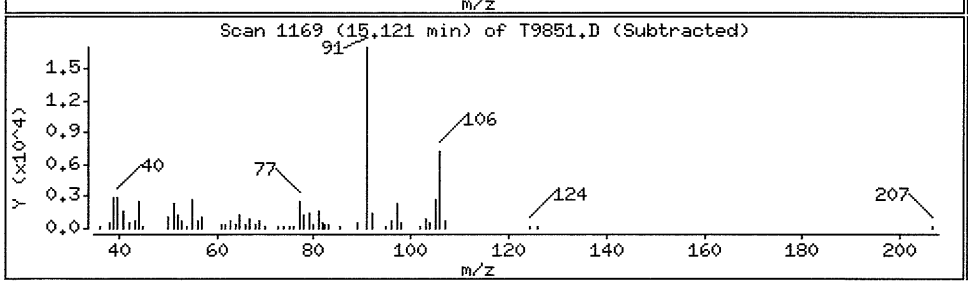


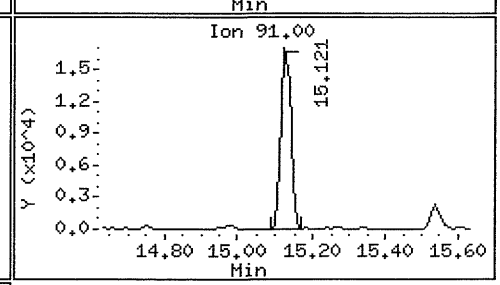


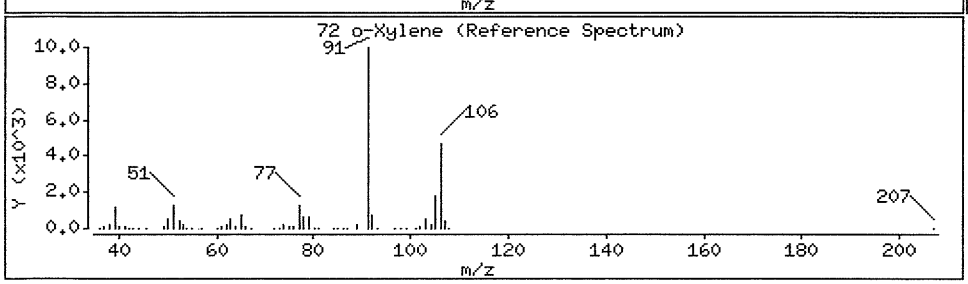
72 o-Xylene Concentration: 0.51 ug/l











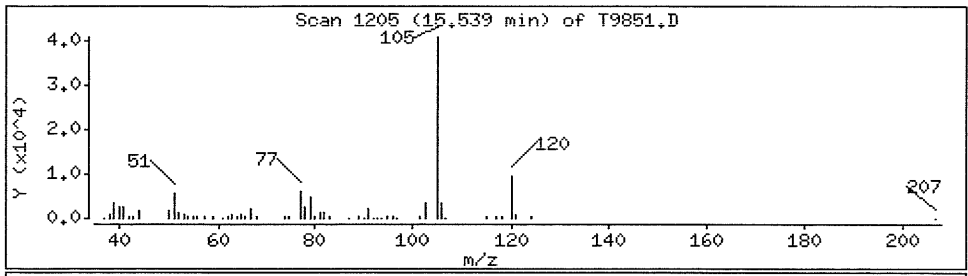
Data File: \\Target_server\GC\chem\gcms-t.i\T032808.b\T9851.D

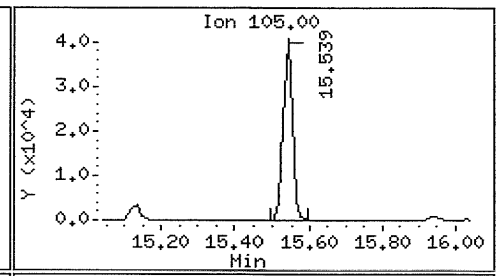
Date : 28-MAR-2008 17:24

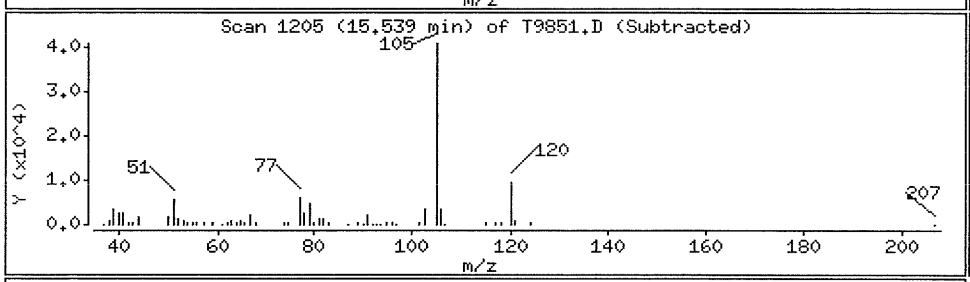
Client ID: AWDGWMW40220080326 Instrument: gcms-t.i

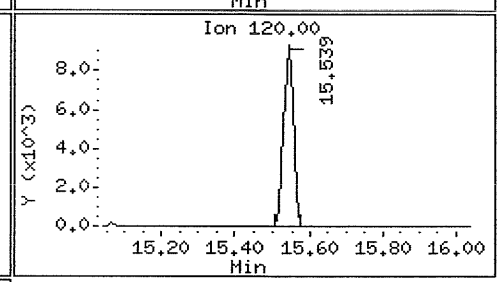
Sample Info: SB1567-7

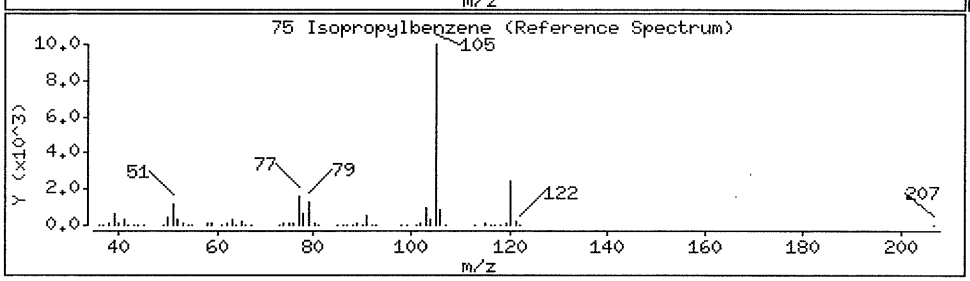
75 Isopropylbenzene Concentration: 1.1 ug/l



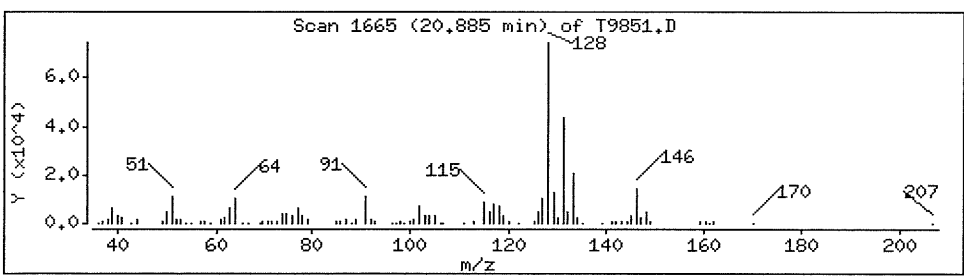


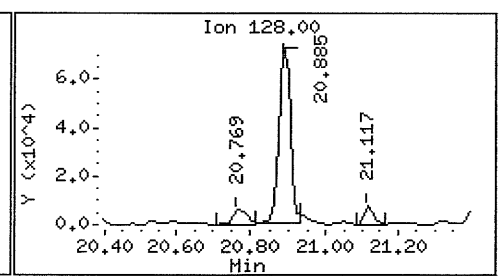


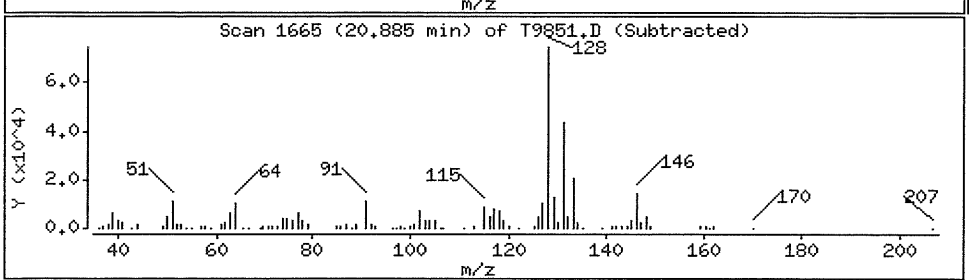


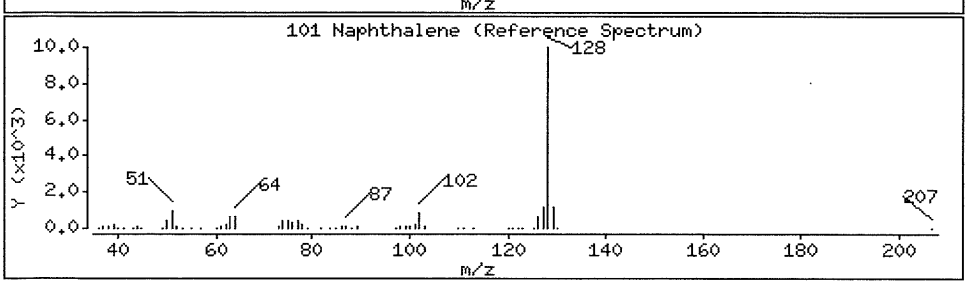


101 Naphthalene Concentration: 4.9 ug/l









KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 03/26/08
Received Date: 03/28/08
Extraction Date:
Analysis Date: 28-MAR-2008 17:56
Report Date: 04/02/2008
Matrix: WATER
% Solids: NA

Lab ID: SB1567-8
Client ID: AWD-GW-DUP2
SDG: CTO426-2
Extracted by:
Extraction Method: SW846 5030
Analyst: HCG
Analysis Method: SW846 8260B
Lab Prep Batch: WG49763
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
1634-04-4	Methyl tert-butyl ether	U	1	1.0	1	1	0.6
71-43-2	Benzene	U	1	1.0	1	1	0.4
108-88-3	Toluene	U	1	1.0	1	1	0.3
100-41-4	Ethylbenzene	J	0.5	1.0	1	1	0.4
1330-20-7	Xylenes (total)	J	2	1.0	3	3	0.4
	m+p-Xylenes	J	1	1.0	2	2	1.0
95-47-6	o-Xylene		1	1.0	1	1	0.4
98-82-8	Isopropylbenzene		8	1.0	1	1	0.5
91-20-3	Naphthalene		22	1.0	1	1	0.4
1868-53-7	Dibromofluoromethane		88%				
17060-07-0	1,2-Dichloroethane-D4		85%				
2037-26-5	Toluene-D8		92%				
460-00-4	P-Bromofluorobenzene		93%				

Data File: \\Target_server\GG\chem\gcms-t.i\T032808.b\T9852.D
Report Date: 02-Apr-2008 10:02

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gcms-t.i\T032808.b\T9852.D
Lab Smp Id: SB1567-8 Client Smp ID: AWD-GW-DUP2
Inj Date : 28-MAR-2008 17:56 MS Autotune Date: 05-MAR-2008 13:39
Operator : HCG Inst ID: gcms-t.i
Smp Info : SB1567-8
Misc Info : SW846 8260B
Comment :
Method : \\Target_server\GG\chem\gcms-t.i\T032808.b\T826a80.m
Meth Date : 28-Mar-2008 10:01 hgroshong Quant Type: ISTD
Cal Date : 26-MAR-2008 13:56 Cal File: T9813.D
Als bottle: 15
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TETRAT426001.sub
Target Version: 4.12
Processing Host: MIS_2

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)
	68 Ethylbenzene	106	14.370	14.375	(1.003)	10836	0.46565	0.46(a)
M	70 Xylenes (total)	106				64274	2.31997	2.3(a)
	71 m+p-Xylenes	106	14.556	14.561	(1.016)	36005	1.28871	1.3(a)
	72 o-Xylene	106	15.126	15.131	(1.056)	28269	1.03126	1.0
	75 Isopropylbenzene	105	15.532	15.537	(0.887)	501162	8.37993	8.4
	101 Naphthalene	128	20.878	20.895	(1.192)	646506	21.8512	21.8
$	37 Dibromofluoromethane	113	9.431	9.437	(0.932)	822089	44.0291	44.0
$	45 1,2-Dichloroethane-D4	65	10.164	10.169	(1.005)	747009	42.5101	42.5
$	55 Toluene-D8	98	12.371	12.365	(1.149)	2620867	46.2320	46.2
$	76 P-Bromofluorobenzene	95	15.939	15.944	(1.480)	1067555	46.6013	46.6
*	42 Pentafluorobenzene	168	10.117	10.122	(1.000)	1362376	50.0000	
*	49 1,4-Difluorobenzene	114	10.768	10.761	(1.000)	2248204	50.0000	
*	66 Chlorobenzene-D5	117	14.324	14.329	(1.000)	1879556	50.0000	
*	91 1,4-Dichlorobenzene-D4	152	17.508	17.513	(1.000)	908215	50.0000	

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: \\Target_server\GG\chem\gcms-t.i\T032808.b\T9852.D
Report Date: 02-Apr-2008 10:02

Katahdin Analytical Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcms-t.i
Lab File ID: T9852.D
Lab Smp Id: SB1567-8
Analysis Type: VOA
Quant Type: ISTD
Operator: HCG
Method File: \\Target_server\GG\chem\gcms-t.i\T032808.b\T826a80.m
Misc Info: SW846 8260B

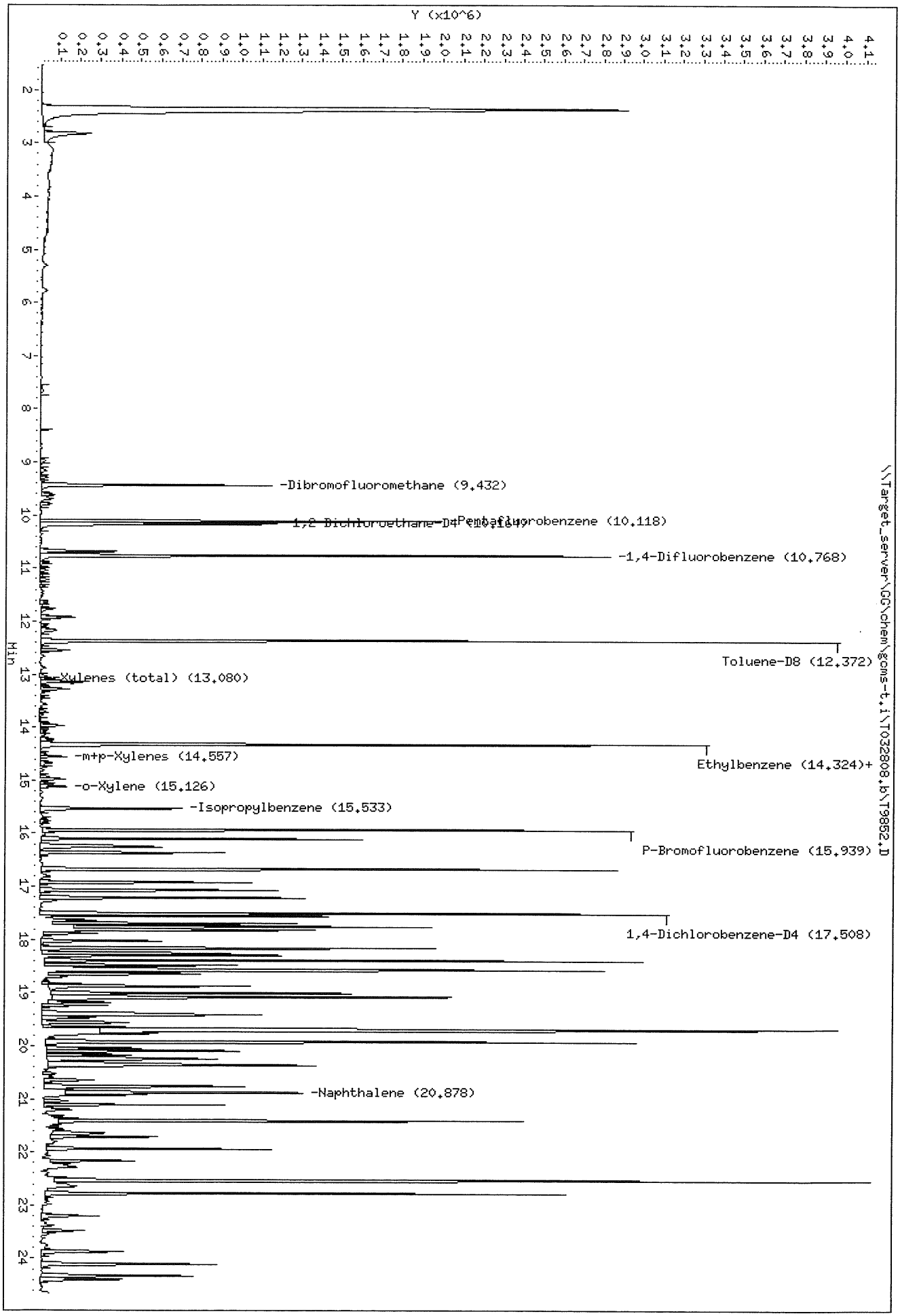
Calibration Date: 28-MAR-2008
Calibration Time: 09:37
Client Smp ID: AWD-GW-DUP2
Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 4

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	1314984	657492	2629968	1362376	3.60
49 1,4-Difluorobenze	2208803	1104402	4417606	2248204	1.78
66 Chlorobenzene-D5	1834563	917282	3669126	1879556	2.45
91 1,4-Dichlorobenze	928023	464012	1856046	908215	-2.13

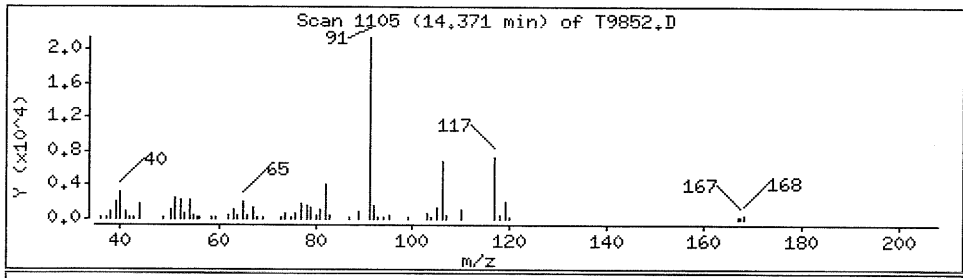
COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	10.12	9.62	10.62	10.12	-0.01
49 1,4-Difluorobenze	10.76	10.26	11.26	10.77	0.10
66 Chlorobenzene-D5	14.33	13.83	14.83	14.32	-0.01
91 1,4-Dichlorobenze	17.51	17.01	18.01	17.51	-0.01

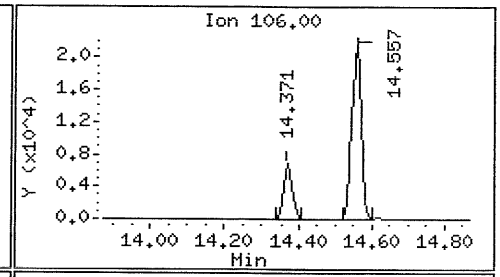
AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

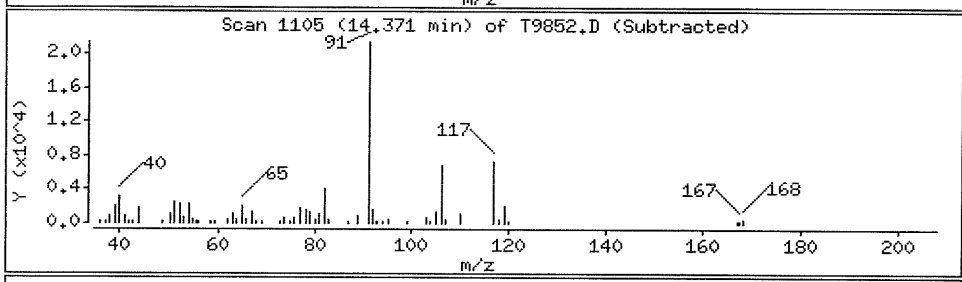

Data File: \\Target_server\GC\chem\gcms-t.i\T032808.b\T9852.D
Date : 28-MAR-2008 17:56
Client ID: AWD-GW-DUP2
Sample Info: SB1567-8
Instrument: gcms-t.i
\\Target_server\GC\chem\gcms-t.i\T032808.b\T9852.D
Y (x10^6)
Min
-Dibromofluoromethane (9.432)
1,2-Dichloroethane-D4 (10.169)
Pentafluorobenzene (10.118)
-1,4-Difluorobenzene (10.768)
Toluene-D8 (12.372)
-Xylenes (total) (13.080)
-m+p-Xylenes (14.557)
Ethylbenzene (14.324)+
-o-Xylene (15.126)
-Isopropylbenzene (15.533)
P-Bromofluorobenzene (15.939)
1,4-Dichlorobenzene-D4 (17.508)
-Naphthalene (20.878)

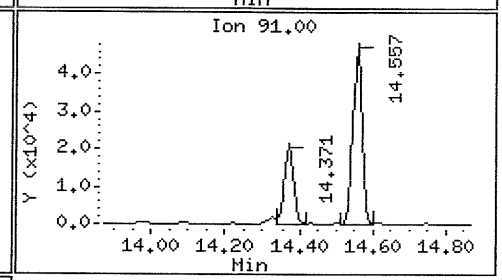
Data File: \\Target_server\GC\chem\gcms-t.i\T032808.b\T9852.D
Date : 28-MAR-2008 17:56
Client ID: AWD-GW-DUP2 Instrument: gcms-t.i
Sample Info: SB1567-8

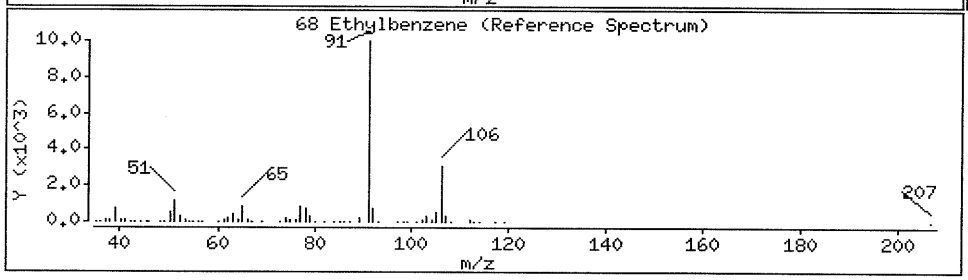
68 Ethylbenzene Concentration: 0.46 ug/l



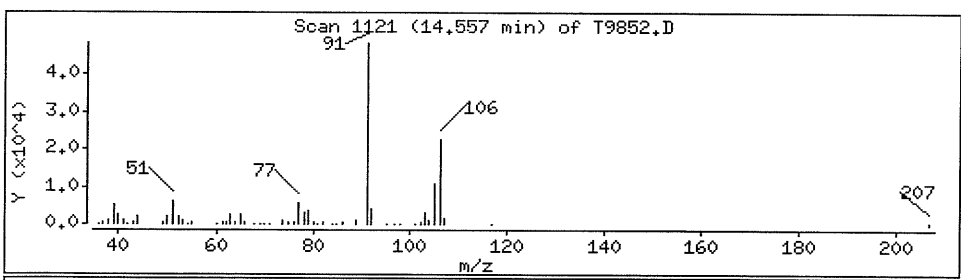


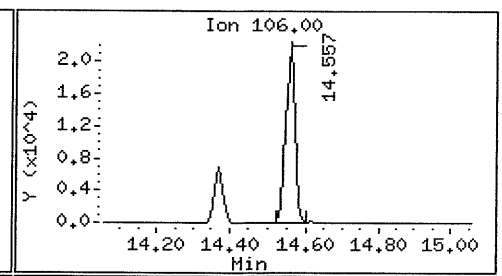


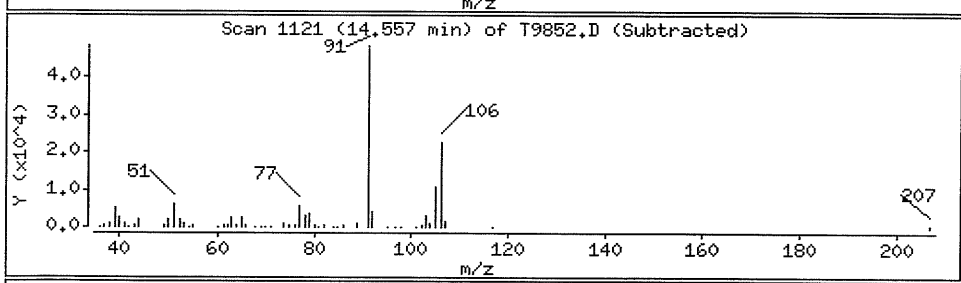


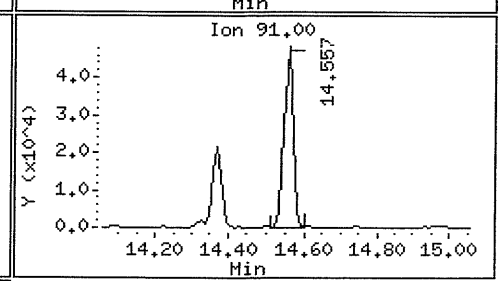


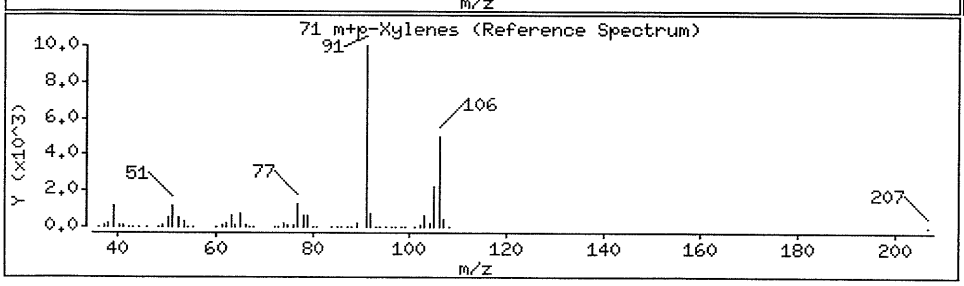
71 m+p-Xylenes Concentration: 1.3 ug/l











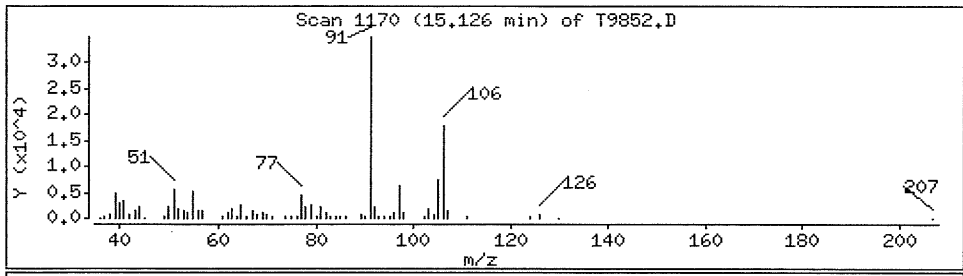
Data File: \\Target_server\GG\chem\gcms-t.i\T032808.b\T9852.D

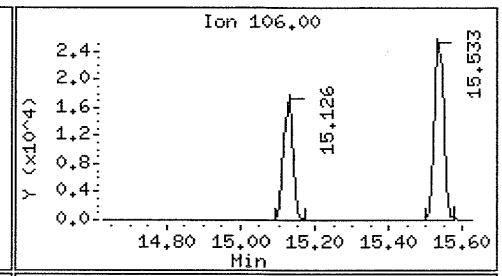
Date : 28-MAR-2008 17:56

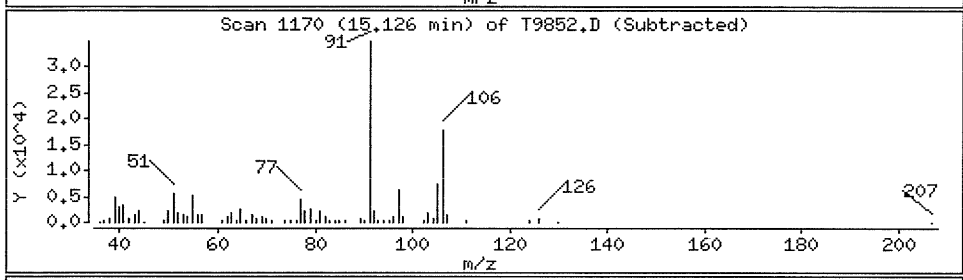
Client ID: AWD-GW-DUP2 Instrument: gcms-t.i

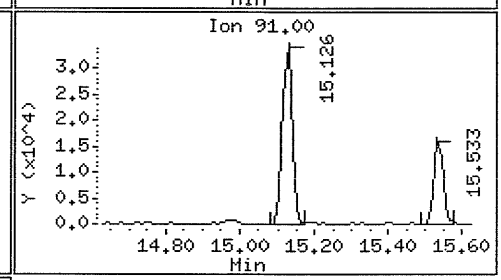
Sample Info: SB1567-8

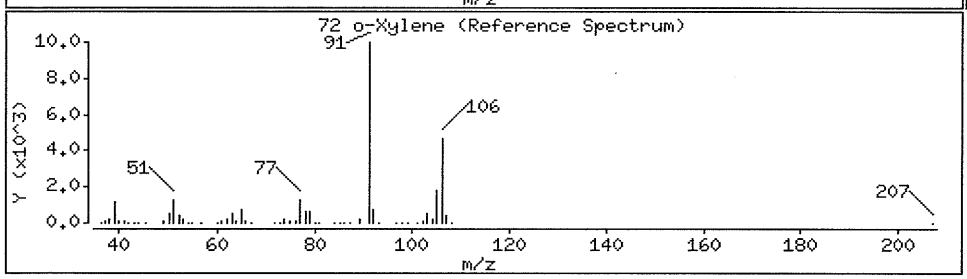
72 o-Xylene Concentration: 1.0 ug/l



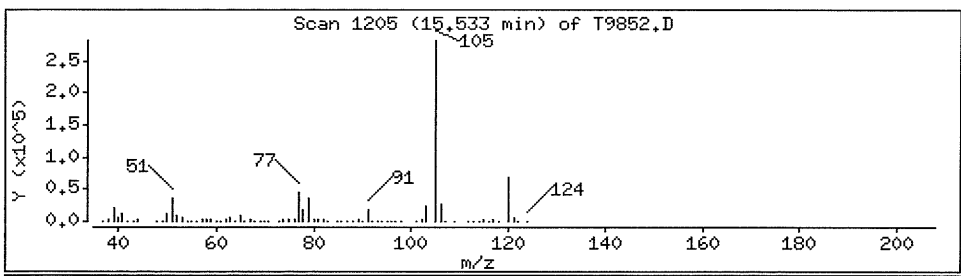


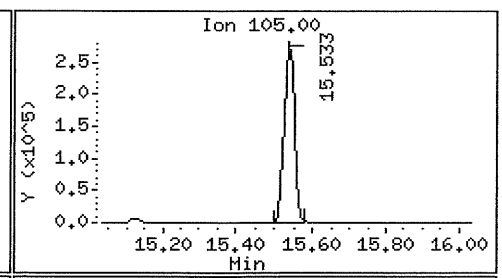


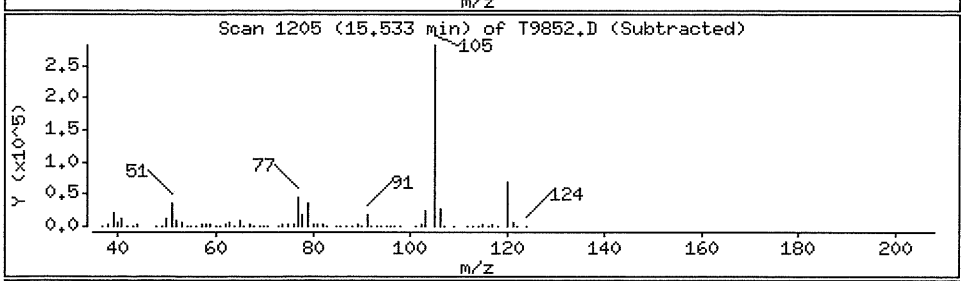


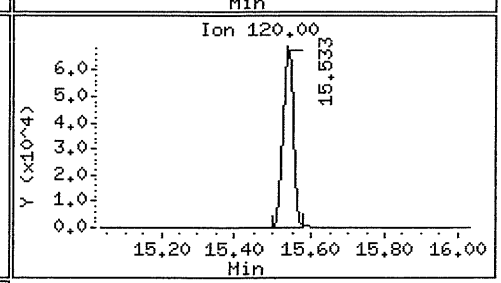


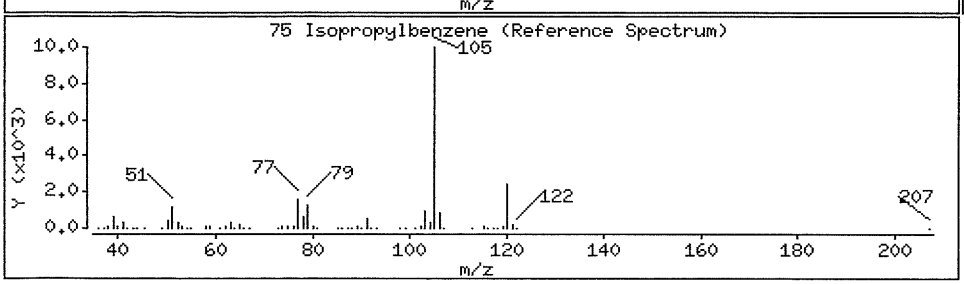
75 Isopropylbenzene Concentration: 8.4 ug/l











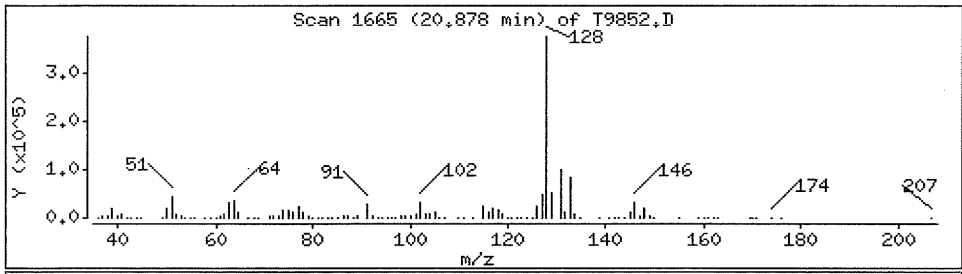
Data File: \\Target_server\GC\chem\gcms-t.i\T032808.b\T9852.D

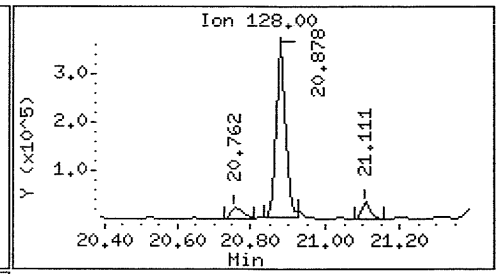
Date : 28-MAR-2008 17:56

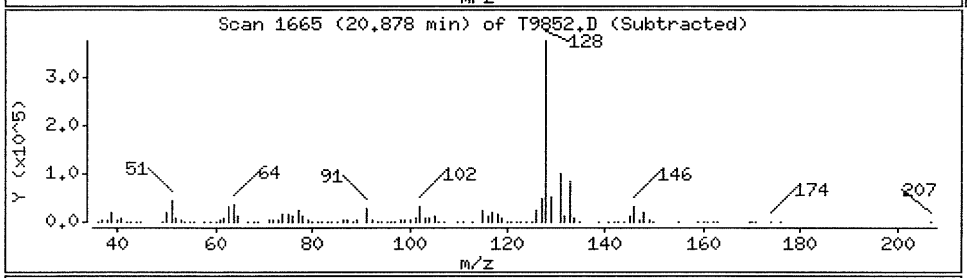
Client ID: AWD-GW-DUP2 Instrument: gcms-t.i

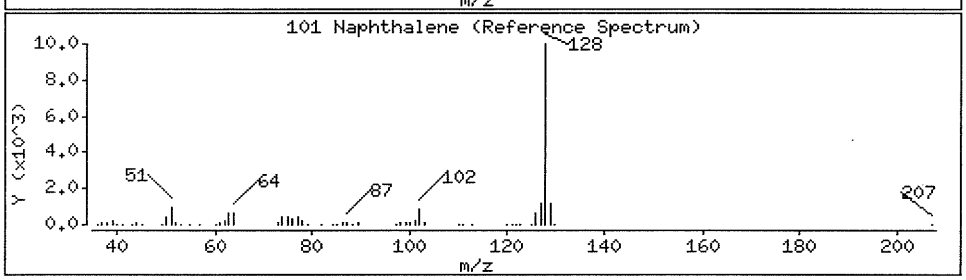
Sample Info: SB1567-8

101 Naphthalene Concentration: 21.8 ug/l









KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 03/27/08
Received Date: 03/28/08
Extraction Date:
Analysis Date: 28-MAR-2008 18:28
Report Date: 04/02/2008
Matrix: WATER
% Solids: NA

Lab ID: SB1567-9
Client ID: AWDGWMW40320080327
SDG: CTO426-2
Extracted by:
Extraction Method: SW846 5030
Analyst: HCG
Analysis Method: SW846 8260B
Lab Prep Batch: WG49763
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
1634-04-4	Methyl tert-butyl ether	U	1	1.0	1	1	0.6
71-43-2	Benzene	U	1	1.0	1	1	0.4
108-88-3	Toluene	U	1	1.0	1	1	0.3
100-41-4	Ethylbenzene	U	1	1.0	1	1	0.4
1330-20-7	Xylenes (total)	U	3	1.0	3	3	0.4
	m+p-Xylenes	U	2	1.0	2	2	1.0
95-47-6	o-Xylene	U	1	1.0	1	1	0.4
98-82-8	Isopropylbenzene	U	1	1.0	1	1	0.5
91-20-3	Naphthalene	J	0.6	1.0	1	1	0.4
1868-53-7	Dibromofluoromethane		88%				
17060-07-0	1,2-Dichloroethane-D4		84%				
2037-26-5	Toluene-D8		92%				
460-00-4	P-Bromofluorobenzene		92%				

Data File: \\Target_server\GG\chem\gcms-t.i\T032808.b\T9853.D
Report Date: 02-Apr-2008 10:03

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gcms-t.i\T032808.b\T9853.D
Lab Smp Id: SB1567-9 Client Smp ID: AWDGWMW40320080327
Inj Date : 28-MAR-2008 18:28 MS Autotune Date: 05-MAR-2008 13:39
Operator : HCG Inst ID: gcms-t.i
Smp Info : SB1567-9
Misc Info : SW846 8260B
Comment :
Method : \\Target_server\GG\chem\gcms-t.i\T032808.b\T826a80.m
Meth Date : 28-Mar-2008 10:01 hgroshong Quant Type: ISTD
Cal Date : 26-MAR-2008 13:56 Cal File: T9813.D
Als bottle: 16
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TETRAT426001.sub
Target Version: 4.12
Processing Host: MIS_2

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)
101 Naphthalene	128	20.877	20.895	(1.193)	18765	0.63452	0.63(a)
$ 37 Dibromofluoromethane	113	9.431	9.437	(0.932)	829473	44.0021	44.0
$ 45 1,2-Dichloroethane-D4	65	10.163	10.169	(1.005)	747167	42.1147	42.1
$ 55 Toluene-D8	98	12.359	12.365	(1.148)	2601420	46.1466	46.1
$ 76 P-Bromofluorobenzene	95	15.927	15.944	(1.479)	1053901	46.2635	46.3
* 42 Pentafluorobenzene	168	10.116	10.122	(1.000)	1375457	50.0000	
* 49 1,4-Difluorobenzene	114	10.767	10.761	(1.000)	2235655	50.0000	
* 66 Chlorobenzene-D5	117	14.323	14.329	(1.000)	1868871	50.0000	
* 91 1,4-Dichlorobenzene-D4	152	17.496	17.513	(1.000)	907809	50.0000	

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: \\Target_server\GG\chem\gcms-t.i\T032808.b\T9853.D
Report Date: 02-Apr-2008 10:03

Katahdin Analytical Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcms-t.i
Lab File ID: T9853.D
Lab Smp Id: SB1567-9
Analysis Type: VOA
Quant Type: ISTD
Operator: HCG
Method File: \\Target_server\GG\chem\gcms-t.i\T032808.b\T826a80.m
Misc Info: SW846 8260B

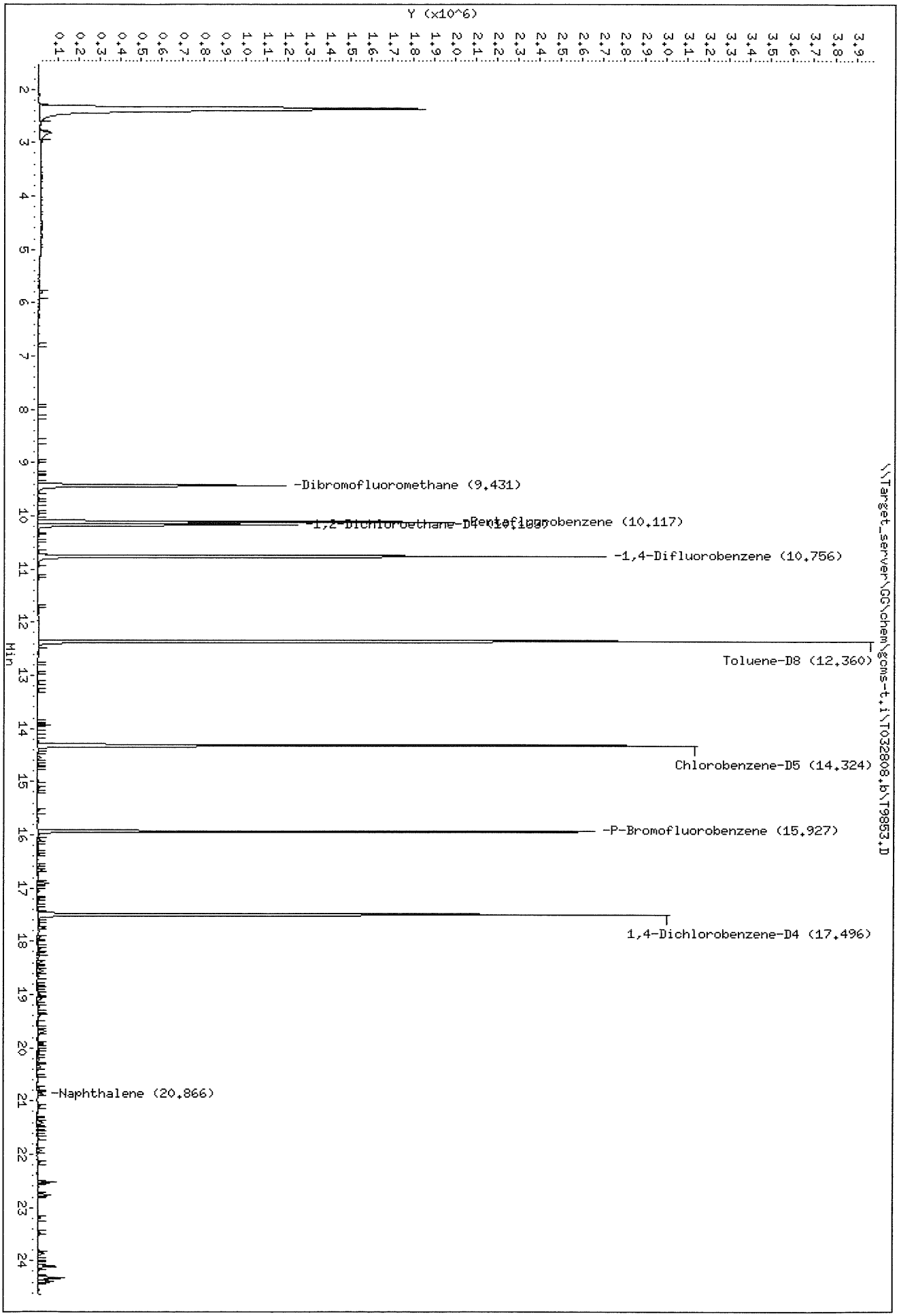
Calibration Date: 28-MAR-2008
Calibration Time: 09:37
Client Smp ID: AWDGWMW40320080
Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 4

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	1314984	657492	2629968	1375457	4.60
49 1,4-Difluorobenze	2208803	1104402	4417606	2235655	1.22
66 Chlorobenzene-D5	1834563	917282	3669126	1868871	1.87
91 1,4-Dichlorobenze	928023	464012	1856046	907809	-2.18

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	10.12	9.62	10.62	10.12	-0.02
49 1,4-Difluorobenze	10.76	10.26	11.26	10.77	0.09
66 Chlorobenzene-D5	14.33	13.83	14.83	14.32	-0.01
91 1,4-Dichlorobenze	17.51	17.01	18.01	17.50	-0.08

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.


Data File: \\Target_server\GC\chem\gcms-t.i\T032808.b\T9853.D
Date : 28-MAR-2008 18:28
Client ID: AWDGWM4032008032 7
Sample Info: SB1567-9
Instrument: gcms-t.i
\\Target_server\GC\chem\gcms-t.i\T032808.b\T9853.D
Y (x10^6)
Min
-Dibromofluoromethane (9.431)
-1,2-Dichloroethane-D4 (10.100)
Pentafluorobenzene (10.117)
-1,4-Difluorobenzene (10.756)
Toluene-D8 (12.360)
Chlorobenzene-D5 (14.324)
-P-Bromofluorobenzene (15.927)
1,4-Dichlorobenzene-D4 (17.496)
-Naphthalene (20.866)

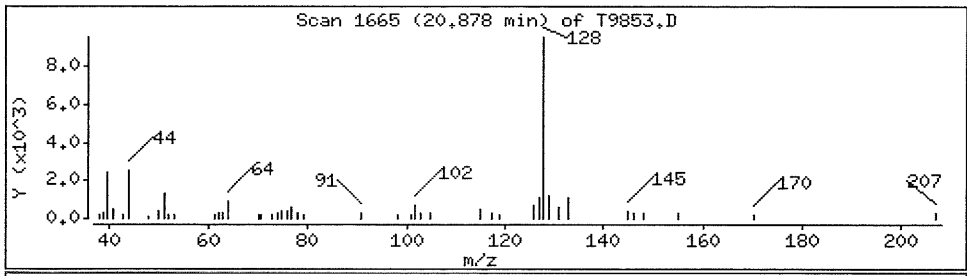
Data File: \\Target_server\GC\chem\gcms-t.i\T032808.b\T9853.D

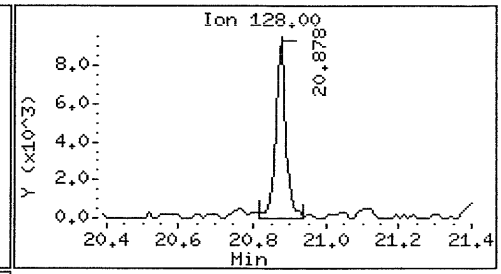
Date : 28-MAR-2008 18:28

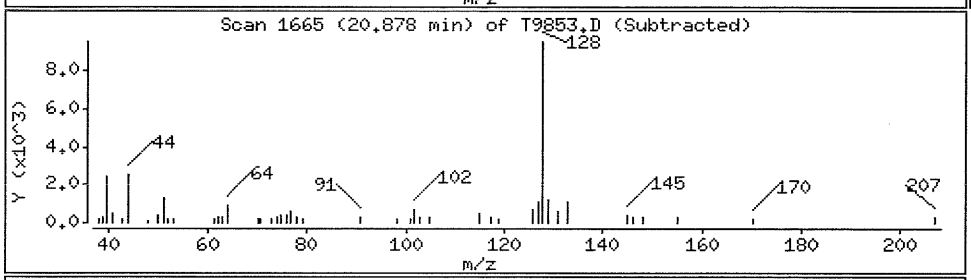
Client ID: AWDGWMW40320080327 Instrument: gcms-t.i

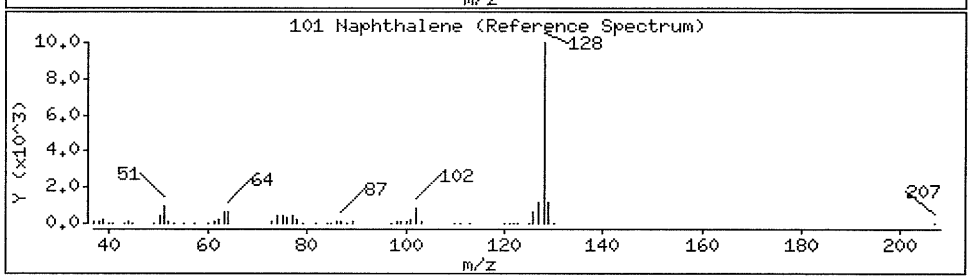
Sample Info: SB1567-9

101 Naphthalene Concentration: 0.63 ug/l









KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 03/27/08
Received Date: 03/28/08
Extraction Date:
Analysis Date: 28-MAR-2008 19:00
Report Date: 04/02/2008
Matrix: WATER
% Solids: NA

Lab ID: SB1567-10
Client ID: AWD-GW-DUP1
SDG: CTO426-2
Extracted by:
Extraction Method: SW846 5030
Analyst: HCG
Analysis Method: SW846 8260B
Lab Prep Batch: WG49763
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
1634-04-4	Methyl tert-butyl ether	U	1	1.0	1	1	0.6
71-43-2	Benzene	U	1	1.0	1	1	0.4
108-88-3	Toluene	U	1	1.0	1	1	0.3
100-41-4	Ethylbenzene	U	1	1.0	1	1	0.4
1330-20-7	Xylenes (total)	U	3	1.0	3	3	0.4
	m+p-Xylenes	U	2	1.0	2	2	1.0
95-47-6	o-Xylene	U	1	1.0	1	1	0.4
98-82-8	Isopropylbenzene	U	1	1.0	1	1	0.5
91-20-3	Naphthalene	J	0.5	1.0	1	1	0.4
1868-53-7	Dibromofluoromethane		89%				
17060-07-0	1,2-Dichloroethane-D4		85%				
2037-26-5	Toluene-D8		93%				
460-00-4	P-Bromofluorobenzene		93%				

Data File: \\Target_server\GG\chem\gcms-t.i\T032808.b\T9854.D
Report Date: 02-Apr-2008 10:03

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gcms-t.i\T032808.b\T9854.D
Lab Smp Id: SB1567-10 Client Smp ID: AWD-GW-DUP1
Inj Date : 28-MAR-2008 19:00 MS Autotune Date: 05-MAR-2008 13:39
Operator : HCG Inst ID: gcms-t.i
Smp Info : SB1567-10
Misc Info : SW846 8260B
Comment :
Method : \\Target_server\GG\chem\gcms-t.i\T032808.b\T826a80.m
Meth Date : 28-Mar-2008 10:01 hgroshong Quant Type: ISTD
Cal Date : 26-MAR-2008 13:56 Cal File: T9813.D
Als bottle: 17
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TETRAT426001.sub
Target Version: 4.12
Processing Host: MIS_2

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)
101 Naphthalene	128	20.867	20.895	(1.193)	13224	0.46427	0.46(a)
$ 37 Dibromofluoromethane	113	9.432	9.437	(0.932)	801969	44.3974	44.4
$ 45 1,2-Dichloroethane-D4	65	10.164	10.169	(1.005)	724490	42.6165	42.6
$ 55 Toluene-D8	98	12.361	12.365	(1.149)	2538780	46.4863	46.5
$ 76 P-Bromofluorobenzene	95	15.928	15.944	(1.481)	1026899	46.5305	46.5
* 42 Pentafluorobenzene	168	10.118	10.122	(1.000)	1318009	50.0000	
* 49 1,4-Difluorobenzene	114	10.757	10.761	(1.000)	2165876	50.0000	
* 66 Chlorobenzene-D5	117	14.313	14.329	(1.000)	1788899	50.0000	
* 91 1,4-Dichlorobenzene-D4	152	17.497	17.513	(1.000)	874349	50.0000	

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: \\Target_server\GG\chem\gcms-t.i\T032808.b\T9854.D
Report Date: 02-Apr-2008 10:03

Katahdin Analytical Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcms-t.i
Lab File ID: T9854.D
Lab Smp Id: SB1567-10
Analysis Type: VOA
Quant Type: ISTD
Operator: HCG
Method File: \\Target_server\GG\chem\gcms-t.i\T032808.b\T826a80.m
Misc Info: SW846 8260B

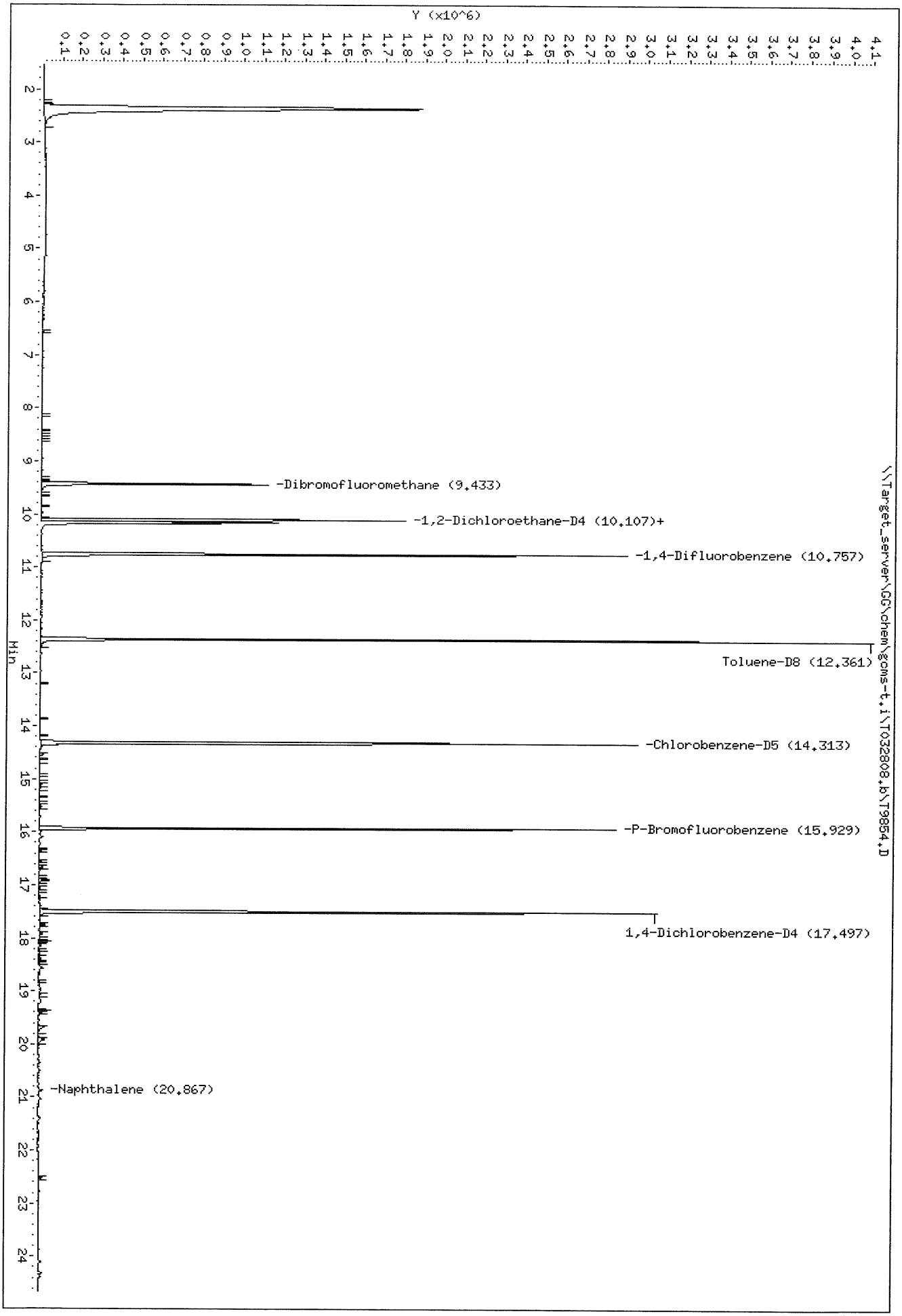
Calibration Date: 28-MAR-2008
Calibration Time: 09:37
Client Smp ID: AWD-GW-DUP1
Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 4

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	1314984	657492	2629968	1318009	0.23
49 1,4-Difluorobenze	2208803	1104402	4417606	2165876	-1.94
66 Chlorobenzene-D5	1834563	917282	3669126	1788899	-2.49
91 1,4-Dichlorobenze	928023	464012	1856046	874349	-5.78

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	10.12	9.62	10.62	10.12	-0.00
49 1,4-Difluorobenze	10.76	10.26	11.26	10.76	-0.00
66 Chlorobenzene-D5	14.33	13.83	14.83	14.31	-0.08
91 1,4-Dichlorobenze	17.51	17.01	18.01	17.50	-0.07

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.


Data File: \\Target_server\GC\chem\gcms-t.i\T032808.b\T9854.D
Date : 28-MAR-2008 19:00
Client ID: AWD-GW-DUP1
Sample Info: SB1567-10
Instrument: gcms-t.i
Y (x10^6)
Min
-Dibromofluoromethane (9.433)
-1,2-Dichloroethane-D4 (10.107)+
-1,4-Difluorobenzene (10.757)
Toluene-D8 (12.361)
-Chlorobenzene-D5 (14.313)
-P-Bromofluorobenzene (15.929)
1,4-Dichlorobenzene-D4 (17.497)
-Naphthalene (20.867)
\\Target_server\GC\chem\gcms-t.i\T032808.b\T9854.D

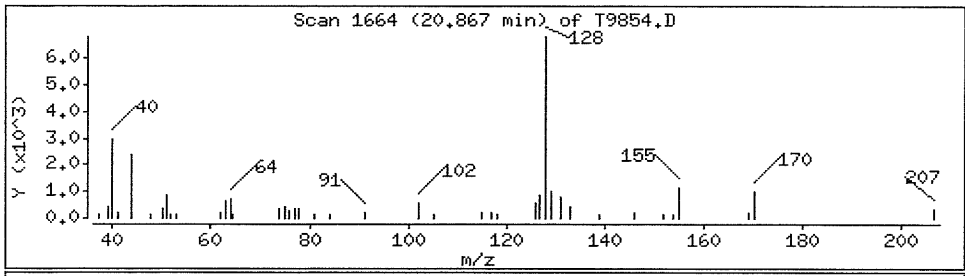
Data File: \\Target_server\GC\chem\gcms-t.i\T032808.b\T9854.D

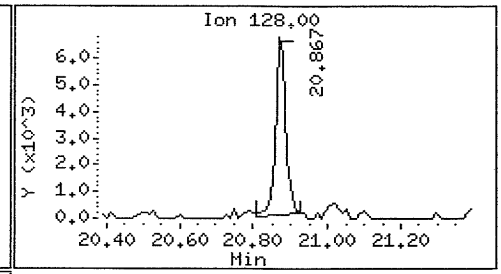
Date : 28-MAR-2008 19:00

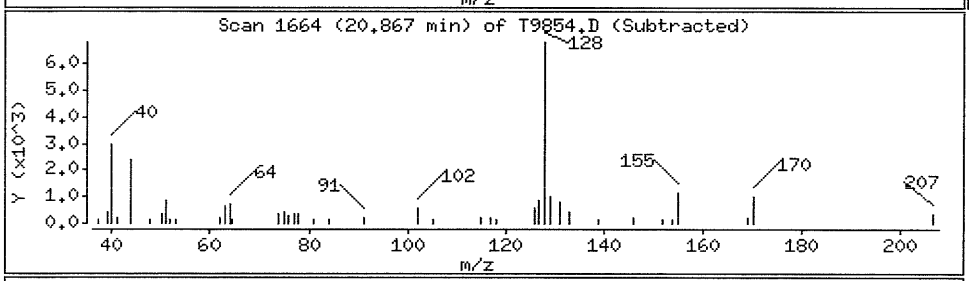
Client ID: AWD-GW-DUP1 Instrument: gcms-t.i

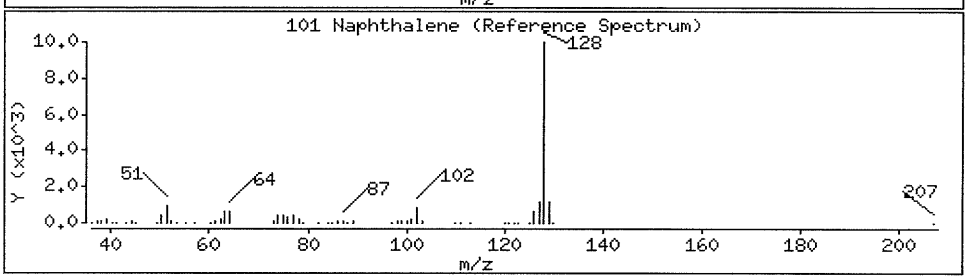
Sample Info: SB1567-10

101 Naphthalene Concentration: 0.46 ug/l









KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 03/27/08
Received Date: 03/28/08
Extraction Date:
Analysis Date: 28-MAR-2008 19:31
Report Date: 04/02/2008
Matrix: WATER
% Solids: NA

Lab ID: SB1567-11
Client ID: AWDSWSW120080327
SDG: CTO426-2
Extracted by:
Extraction Method: SW846 5030
Analyst: HCG
Analysis Method: SW846 8260B
Lab Prep Batch: WG49763
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
1634-04-4	Methyl tert-butyl ether	U	1	1.0	1	1	0.6
71-43-2	Benzene	U	1	1.0	1	1	0.4
108-88-3	Toluene	U	1	1.0	1	1	0.3
100-41-4	Ethylbenzene	U	1	1.0	1	1	0.4
1330-20-7	Xylenes (total)	U	3	1.0	3	3	0.4
	m+p-Xylenes	U	2	1.0	2	2	1.0
95-47-6	o-Xylene	U	1	1.0	1	1	0.4
98-82-8	Isopropylbenzene	J	0.7	1.0	1	1	0.5
91-20-3	Naphthalene	U	1	1.0	1	1	0.4
1868-53-7	Dibromofluoromethane		88%				
17060-07-0	1,2-Dichloroethane-D4		86%				
2037-26-5	Toluene-D8		93%				
460-00-4	P-Bromofluorobenzene		93%				

Data File: \\Target_server\GG\chem\gcms-t.i\T032808.b\T9855.D
Report Date: 02-Apr-2008 10:03

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gcms-t.i\T032808.b\T9855.D
Lab Smp Id: SB1567-11 Client Smp ID: AWDSWSW120080327
Inj Date : 28-MAR-2008 19:31 MS Autotune Date: 05-MAR-2008 13:39
Operator : HCG Inst ID: gcms-t.i
Smp Info : SB1567-11
Misc Info : SW846 8260B
Comment :
Method : \\Target_server\GG\chem\gcms-t.i\T032808.b\T826a80.m
Meth Date : 28-Mar-2008 10:01 hgroshong Quant Type: ISTD
Cal Date : 26-MAR-2008 13:56 Cal File: T9813.D
Als bottle: 18
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TETRAT426001.sub
Target Version: 4.12
Processing Host: MIS_2

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)
75 Isopropylbenzene	105	15.538	15.537	(0.888)	37403	0.65870	0.66(a)
$ 37 Dibromofluoromethane	113	9.425	9.437	(0.932)	787813	44.2732	44.3
$ 45 1,2-Dichloroethane-D4	65	10.169	10.169	(1.006)	716273	42.7703	42.8
$ 55 Toluene-D8	98	12.365	12.365	(1.149)	2495311	46.4317	46.4
$ 76 P-Bromofluorobenzene	95	15.933	15.944	(1.480)	1007593	46.3964	46.4
* 42 Pentafluorobenzene	168	10.111	10.122	(1.000)	1298375	50.0000	
* 49 1,4-Difluorobenzene	114	10.762	10.761	(1.000)	2131296	50.0000	
* 66 Chlorobenzene-D5	117	14.318	14.329	(1.000)	1766385	50.0000	
* 91 1,4-Dichlorobenzene-D4	152	17.502	17.513	(1.000)	862327	50.0000	

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: \\Target_server\GG\chem\gcms-t.i\T032808.b\T9855.D
Report Date: 02-Apr-2008 10:03

Katahdin Analytical Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcms-t.i
Lab File ID: T9855.D
Lab Smp Id: SB1567-11
Analysis Type: VOA
Quant Type: ISTD
Operator: HCG
Method File: \\Target_server\GG\chem\gcms-t.i\T032808.b\T826a80.m
Misc Info: SW846 8260B

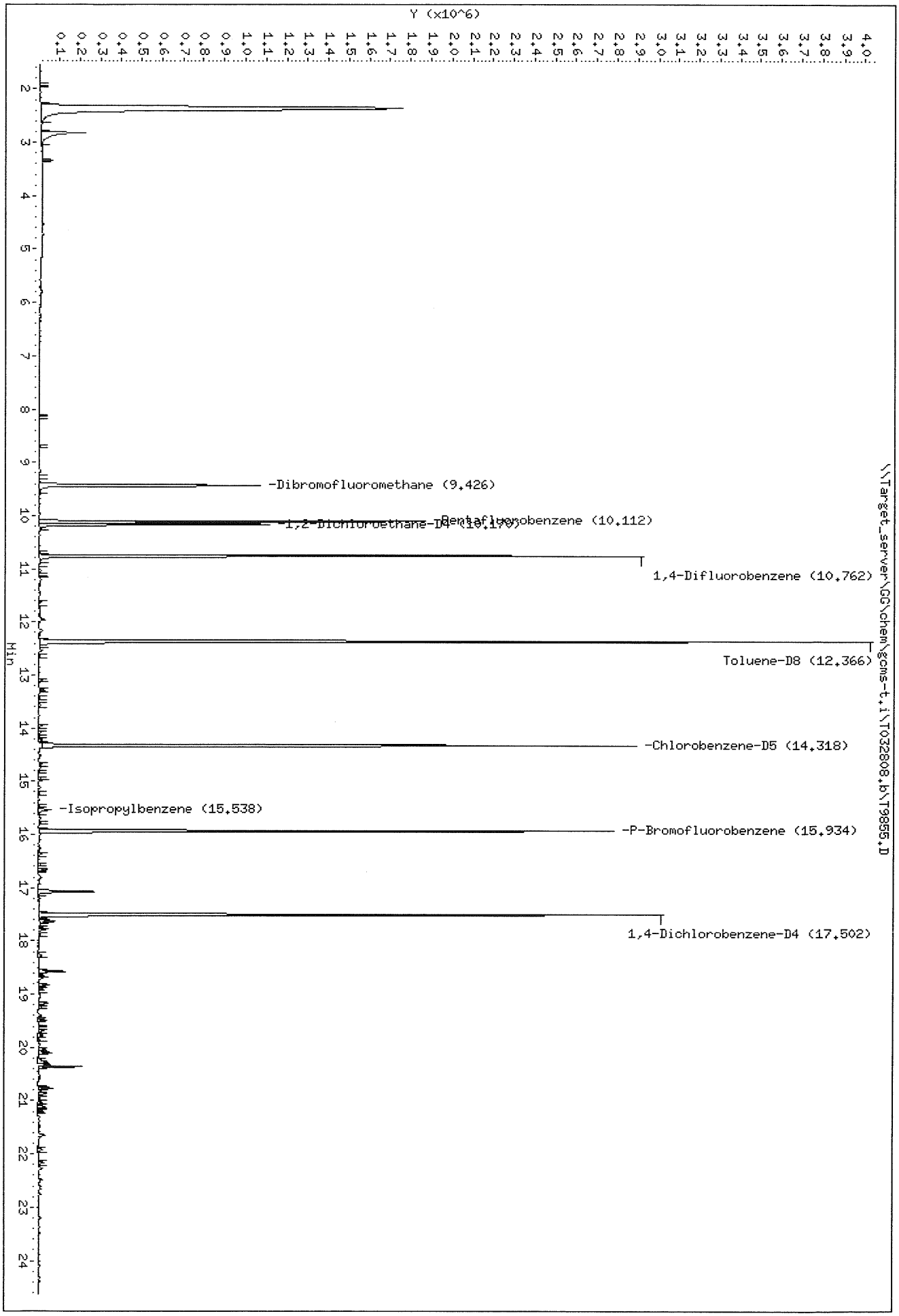
Calibration Date: 28-MAR-2008
Calibration Time: 09:37
Client Smp ID: AWDSWSW12008032
Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 4

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	1314984	657492	2629968	1298375	-1.26
49 1,4-Difluorobenze	2208803	1104402	4417606	2131296	-3.51
66 Chlorobenzene-D5	1834563	917282	3669126	1766385	-3.72
91 1,4-Dichlorobenze	928023	464012	1856046	862327	-7.08

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	10.12	9.62	10.62	10.11	-0.07
49 1,4-Difluorobenze	10.76	10.26	11.26	10.76	0.04
66 Chlorobenzene-D5	14.33	13.83	14.83	14.32	-0.05
91 1,4-Dichlorobenze	17.51	17.01	18.01	17.50	-0.04

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.



Data File: \\Target_server\GC\chem\gcms-t.i\T032808.b\T9855.D
Date : 28-MAR-2008 19:31
Client ID: AWDSWS120080327
Sample Info: SB1567-11

Instrument: gcms-t.i

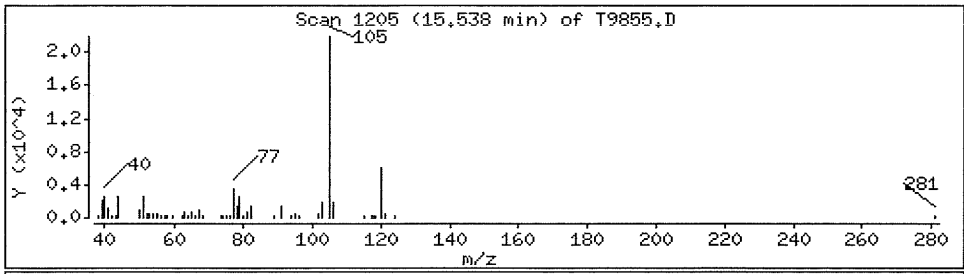
Data File: \\Target_server\GC\chem\gcms-t.i\T032808.b\T9855.D

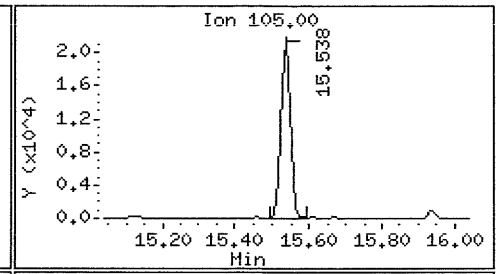
Date : 28-MAR-2008 19:31

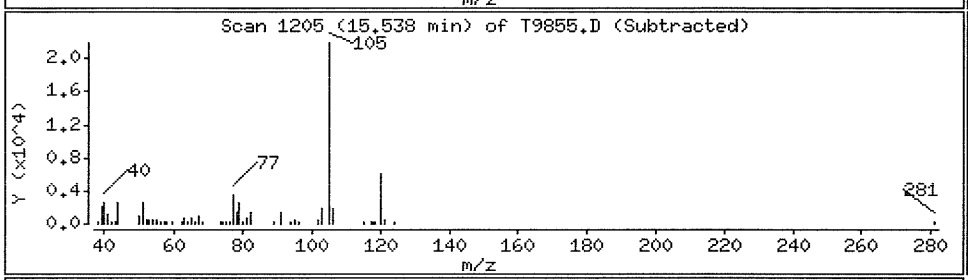
Client ID: AWDSWSW120080327 Instrument: gcms-t.i

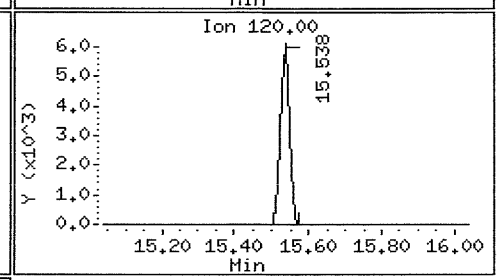
Sample Info: SB1567-11

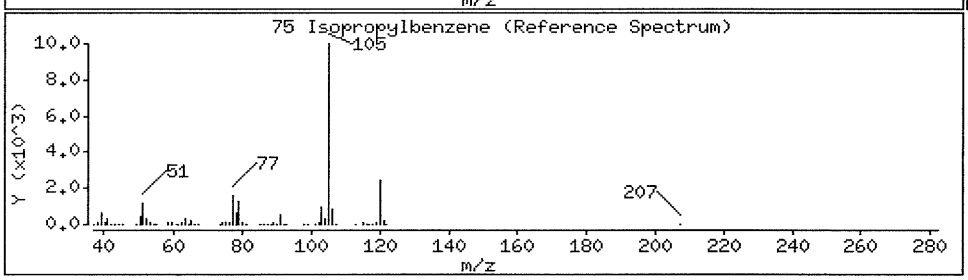
75 Isopropylbenzene Concentration: 0.66 ug/l











KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 03/27/08
Received Date: 03/28/08
Extraction Date:
Analysis Date: 28-MAR-2008 20:03
Report Date: 04/02/2008
Matrix: WATER
% Solids: NA

Lab ID: SB1567-12
Client ID: AWD-SW-DUP1
SDG: CTO426-2
Extracted by:
Extraction Method: SW846 5030
Analyst: HCG
Analysis Method: SW846 8260B
Lab Prep Batch: WG49763
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
1634-04-4	Methyl tert-butyl ether	U	1	1.0	1	1	0.6
71-43-2	Benzene	U	1	1.0	1	1	0.4
108-88-3	Toluene	U	1	1.0	1	1	0.3
100-41-4	Ethylbenzene	U	1	1.0	1	1	0.4
1330-20-7	Xylenes (total)	U	3	1.0	3	3	0.4
	m+p-Xylenes	U	2	1.0	2	2	1.0
95-47-6	o-Xylene	U	1	1.0	1	1	0.4
98-82-8	Isopropylbenzene	J	0.6	1.0	1	1	0.5
91-20-3	Naphthalene	U	1	1.0	1	1	0.4
1868-53-7	Dibromofluoromethane		88%				
17060-07-0	1,2-Dichloroethane-D4		84%				
2037-26-5	Toluene-D8		92%				
460-00-4	P-Bromofluorobenzene		93%				

Data File: \\Target_server\GG\chem\gcms-t.i\T032808.b\T9856.D
Report Date: 02-Apr-2008 10:03

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gcms-t.i\T032808.b\T9856.D
Lab Smp Id: SB1567-12 Client Smp ID: AWD-SW-DUP1
Inj Date : 28-MAR-2008 20:03 MS Autotune Date: 05-MAR-2008 13:39
Operator : HCG Inst ID: gcms-t.i
Smp Info : SB1567-12
Misc Info : SW846 8260B
Comment :
Method : \\Target_server\GG\chem\gcms-t.i\T032808.b\T826a80.m
Meth Date : 28-Mar-2008 10:01 hgroshong Quant Type: ISTD
Cal Date : 26-MAR-2008 13:56 Cal File: T9813.D
Als bottle: 19
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TETRAT426001.sub
Target Version: 4.12
Processing Host: MIS_2

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)
75 Isopropylbenzene	105	15.527	15.537	(0.887)	33188	0.58277	0.58(a)
$ 37 Dibromofluoromethane	113	9.426	9.437	(0.932)	782150	43.7708	43.8
$ 45 1,2-Dichloroethane-D4	65	10.158	10.169	(1.005)	710147	42.2268	42.2
$ 55 Toluene-D8	98	12.355	12.365	(1.148)	2466481	46.1713	46.2
$ 76 P-Bromofluorobenzene	95	15.934	15.944	(1.480)	1005609	46.5836	46.6
* 42 Pentafluorobenzene	168	10.112	10.122	(1.000)	1303839	50.0000	
* 49 1,4-Difluorobenzene	114	10.762	10.761	(1.000)	2118553	50.0000	
* 66 Chlorobenzene-D5	117	14.318	14.329	(1.000)	1763182	50.0000	
* 91 1,4-Dichlorobenzene-D4	152	17.502	17.513	(1.000)	864838	50.0000	

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: \\Target_server\GG\chem\gcms-t.i\T032808.b\T9856.D
Report Date: 02-Apr-2008 10:03

Katahdin Analytical Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcms-t.i
Lab File ID: T9856.D
Lab Smp Id: SB1567-12
Analysis Type: VOA
Quant Type: ISTD
Operator: HCG
Method File: \\Target_server\GG\chem\gcms-t.i\T032808.b\T826a80.m
Misc Info: SW846 8260B

Calibration Date: 28-MAR-2008
Calibration Time: 09:37
Client Smp ID: AWD-SW-DUP1
Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 4

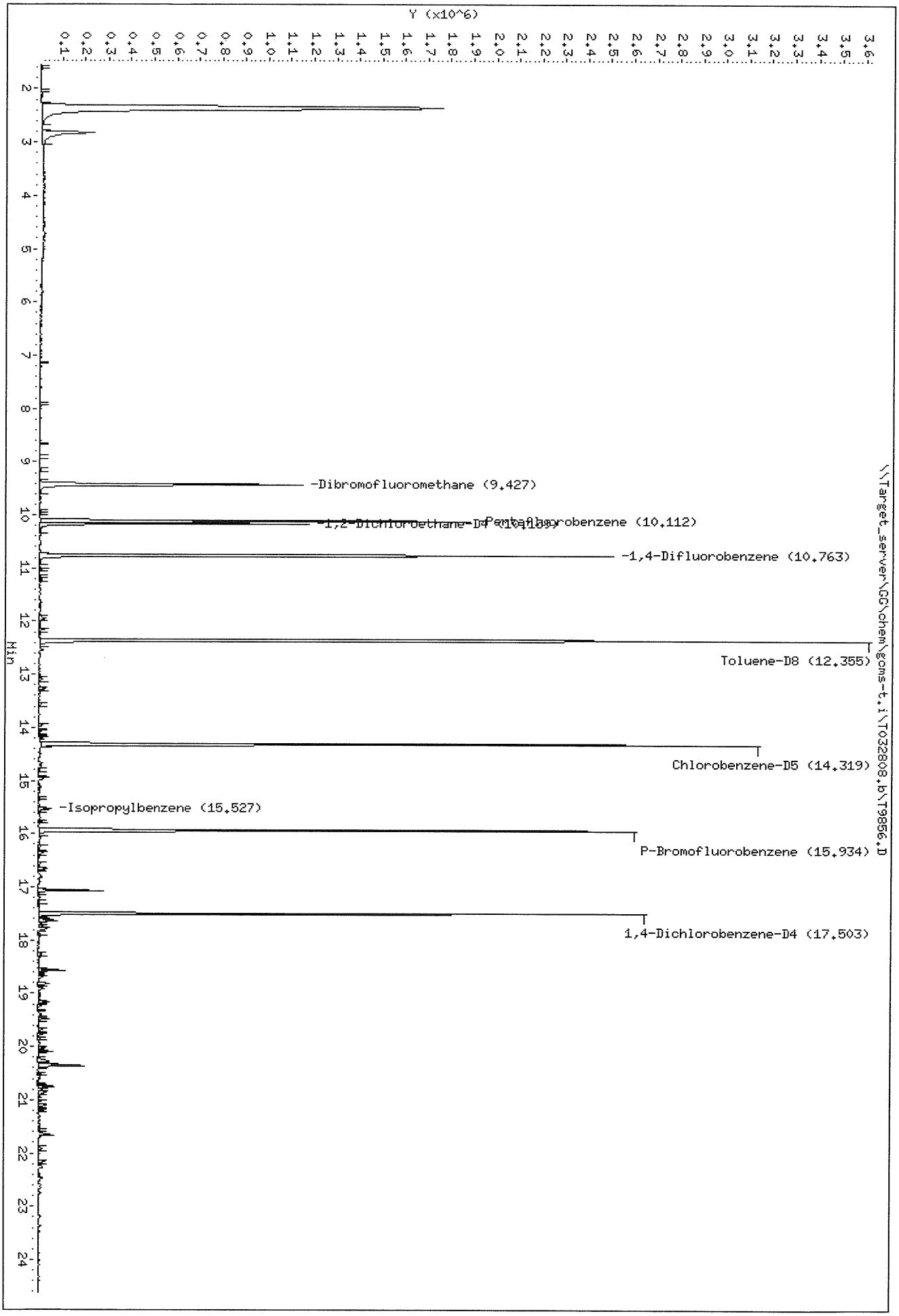
COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	1314984	657492	2629968	1303839	-0.85
49 1,4-Difluorobenze	2208803	1104402	4417606	2118553	-4.09
66 Chlorobenzene-D5	1834563	917282	3669126	1763182	-3.89
91 1,4-Dichlorobenze	928023	464012	1856046	864838	-6.81

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	10.12	9.62	10.62	10.11	-0.06
49 1,4-Difluorobenze	10.76	10.26	11.26	10.76	0.05
66 Chlorobenzene-D5	14.33	13.83	14.83	14.32	-0.05
91 1,4-Dichlorobenze	17.51	17.01	18.01	17.50	-0.04

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.

Data File: \\Target_server\GC\chem\gcms-t.i\T032808.b\T9856.D
Date : 28-MAR-2008 20:03
Client ID: AWD-SW-DUP1
Sample Info: SB1567-12

Instrument: gcms-t.i



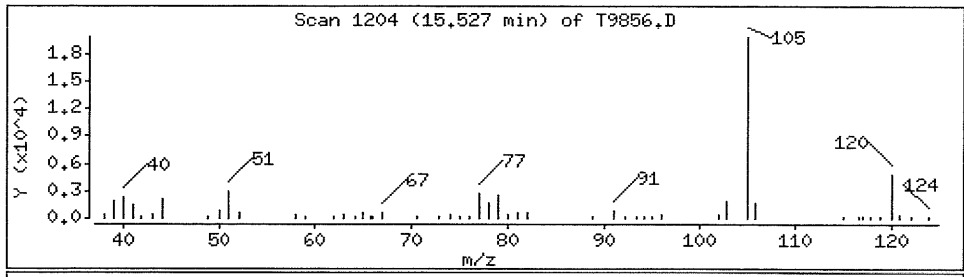
Data File: \\Target_server\GC\chem\gcms-t.i\T032808.b\T9856.D

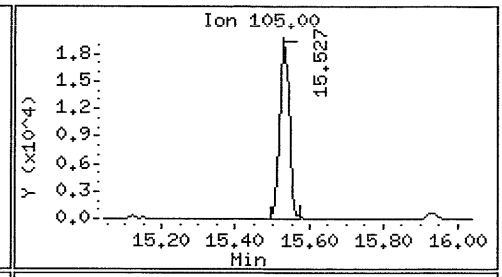
Date : 28-MAR-2008 20:03

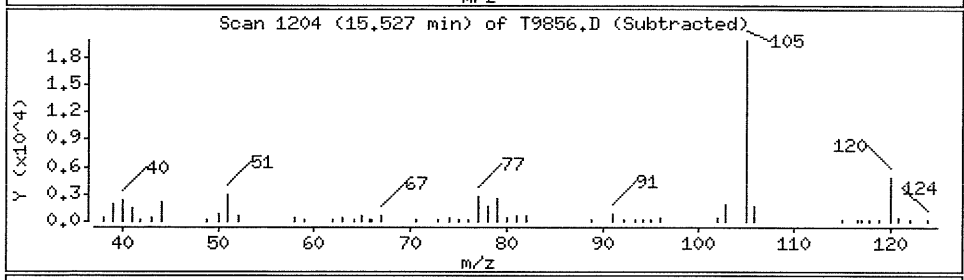
Client ID: AWD-SW-DUP1 Instrument: gcms-t.i

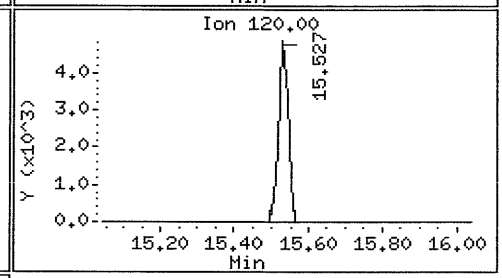
Sample Info: SB1567-12

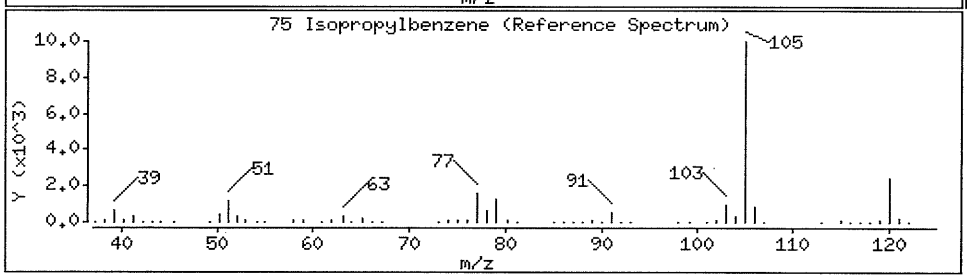
75 Isopropylbenzene Concentration: 0.58 ug/l











KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 03/27/08
Received Date: 03/28/08
Extraction Date:
Analysis Date: 28-MAR-2008 20:35
Report Date: 04/02/2008
Matrix: WATER
% Solids: NA

Lab ID: SB1567-13
Client ID: AWDGWMW40420080327
SDG: CTO426-2
Extracted by:
Extraction Method: SW846 5030
Analyst: HCG
Analysis Method: SW846 8260B
Lab Prep Batch: WG49763
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
1634-04-4	Methyl tert-butyl ether	U	1	1.0	1	1	0.6
71-43-2	Benzene	U	1	1.0	1	1	0.4
108-88-3	Toluene	U	1	1.0	1	1	0.3
100-41-4	Ethylbenzene		5	1.0	1	1	0.4
1330-20-7	Xylenes (total)	U	3	1.0	3	3	0.4
	m+p-Xylenes	U	2	1.0	2	2	1.0
95-47-6	o-Xylene	U	1	1.0	1	1	0.4
98-82-8	Isopropylbenzene		4	1.0	1	1	0.5
91-20-3	Naphthalene		2	1.0	1	1	0.4
1868-53-7	Dibromofluoromethane		86%				
17060-07-0	1,2-Dichloroethane-D4		85%				
2037-26-5	Toluene-D8		90%				
460-00-4	P-Bromofluorobenzene		91%				

Data File: \\Target_server\GG\chem\gcms-t.i\T032808.b\T9857.D
Report Date: 02-Apr-2008 10:03

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gcms-t.i\T032808.b\T9857.D
Lab Smp Id: SB1567-13 Client Smp ID: AWDGWMW40420080327
Inj Date : 28-MAR-2008 20:35 MS Autotune Date: 05-MAR-2008 13:39
Operator : HCG Inst ID: gcms-t.i
Smp Info : SB1567-13
Misc Info : SW846 8260B
Comment :
Method : \\Target_server\GG\chem\gcms-t.i\T032808.b\T826a80.m
Meth Date : 28-Mar-2008 10:01 hgroshong Quant Type: ISTD
Cal Date : 26-MAR-2008 13:56 Cal File: T9813.D
Als bottle: 20
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TETRAT426001.sub
Target Version: 4.12
Processing Host: MIS_2

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)
68 Ethylbenzene	106	14.362	14.375	(1.003)	101661	4.61960	4.6
75 Isopropylbenzene	105	15.524	15.537	(0.887)	209638	3.62580	3.6
101 Naphthalene	128	20.869	20.895	(1.193)	59546	2.08174	2.1
$ 37 Dibromofluoromethane	113	9.423	9.437	(0.932)	774798	43.2229	43.2
$ 45 1,2-Dichloroethane-D4	65	10.155	10.169	(1.005)	716218	42.4537	42.4
$ 55 Toluene-D8	98	12.363	12.365	(1.149)	2442653	45.2423	45.2
$ 76 P-Bromofluorobenzene	95	15.931	15.944	(1.481)	991405	45.4405	45.4
* 42 Pentafluorobenzene	168	10.109	10.122	(1.000)	1307955	50.0000	
* 49 1,4-Difluorobenzene	114	10.760	10.761	(1.000)	2141168	50.0000	
* 66 Chlorobenzene-D5	117	14.315	14.329	(1.000)	1777429	50.0000	
* 91 1,4-Dichlorobenzene-D4	152	17.500	17.513	(1.000)	878046	50.0000	

Data File: \\Target_server\GG\chem\gcms-t.i\T032808.b\T9857.D
Report Date: 02-Apr-2008 10:03

Katahdin Analytical Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcms-t.i
Lab File ID: T9857.D
Lab Smp Id: SB1567-13
Analysis Type: VOA
Quant Type: ISTD
Operator: HCG
Method File: \\Target_server\GG\chem\gcms-t.i\T032808.b\T826a80.m
Misc Info: SW846 8260B

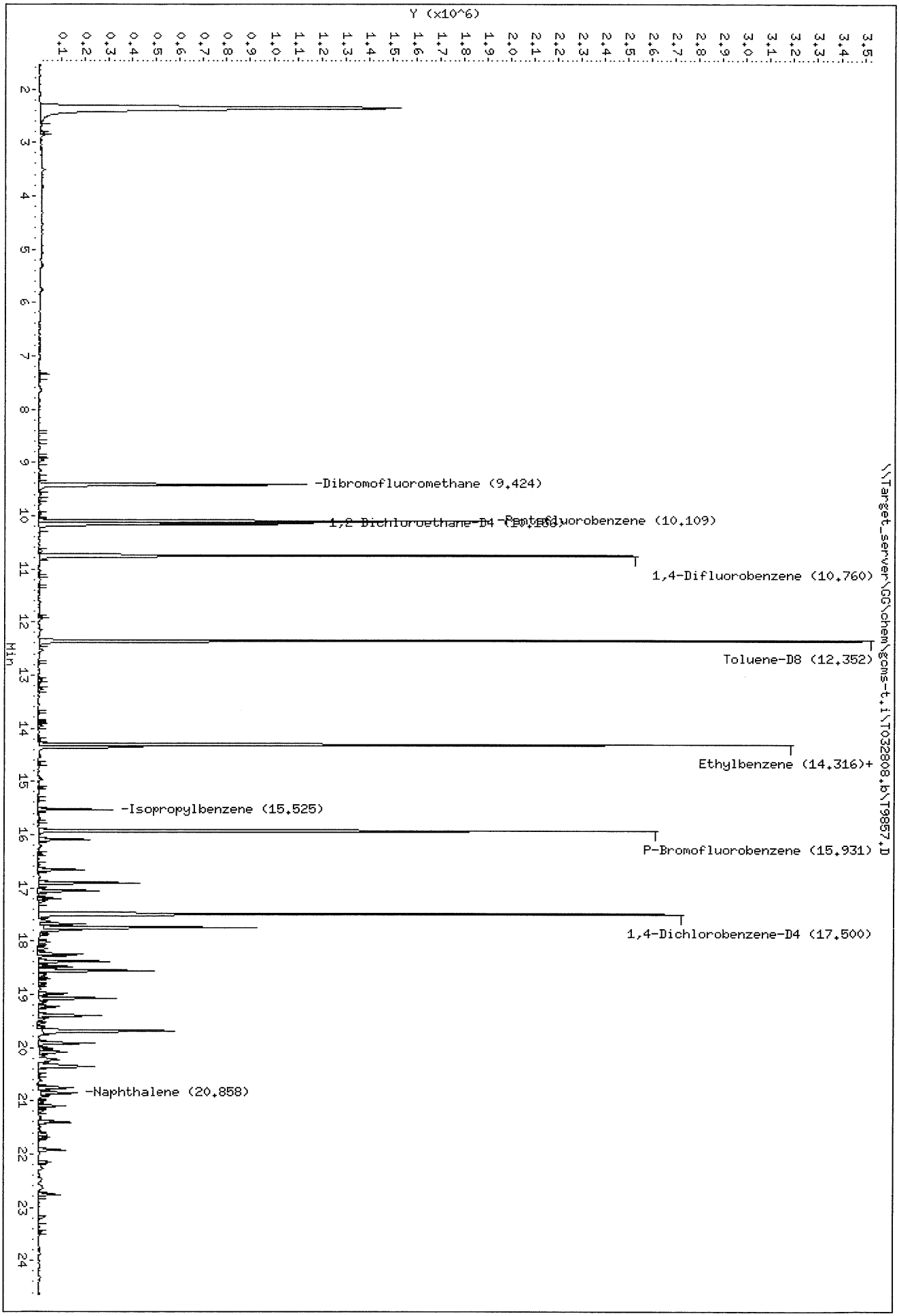
Calibration Date: 28-MAR-2008
Calibration Time: 09:37
Client Smp ID: AWDGWMW40420080
Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 4

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	1314984	657492	2629968	1307955	-0.53
49 1,4-Difluorobenze	2208803	1104402	4417606	2141168	-3.06
66 Chlorobenzene-D5	1834563	917282	3669126	1777429	-3.11
91 1,4-Dichlorobenze	928023	464012	1856046	878046	-5.39

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	10.12	9.62	10.62	10.11	-0.09
49 1,4-Difluorobenze	10.76	10.26	11.26	10.76	0.02
66 Chlorobenzene-D5	14.33	13.83	14.83	14.32	-0.07
91 1,4-Dichlorobenze	17.51	17.01	18.01	17.50	-0.05

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.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Date : 28-MAR-2008 20:35
Client ID: AWDGWW4042008032 7
Sample Info: SB1567-13
Instrument: gcms-t.i
Y (x10^6)
Min
-Dibromofluoromethane (9.424)
1,2-Dichloroethane-D4 (10.188)
-Pentafluorobenzene (10.109)
1,4-Difluorobenzene (10.760)
Toluene-D8 (12.352)
Ethylbenzene (14.316)+
-Isopropylbenzene (15.525)
P-Bromofluorobenzene (15.931)
1,4-Dichlorobenzene-D4 (17.500)
-Naphthalene (20.858)
\\Target_server\GC\chem\gcms-t.i\T032808.b\T9857.D

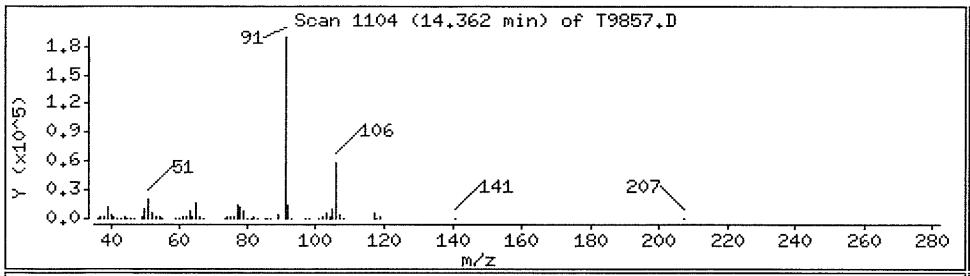
Data File: \\Target_server\GC\chem\gcms-t.i\T032808.b\T9857.D

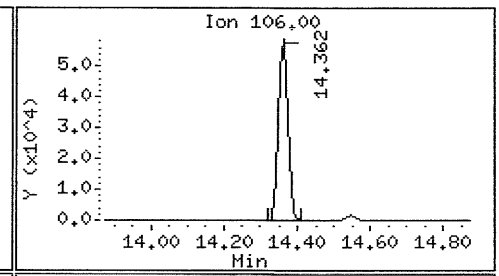
Date : 28-MAR-2008 20:35

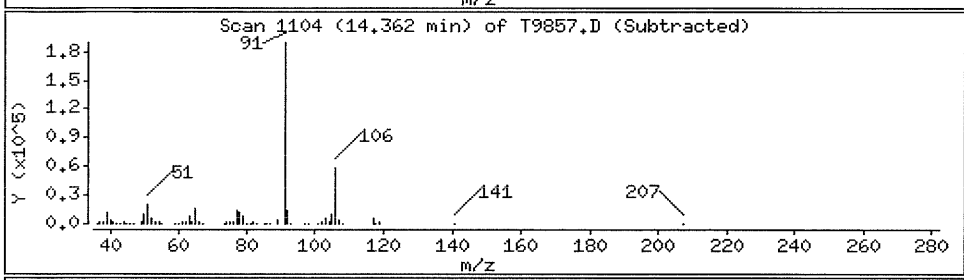
Client ID: AWDGWMW40420080327 Instrument: gcms-t.i

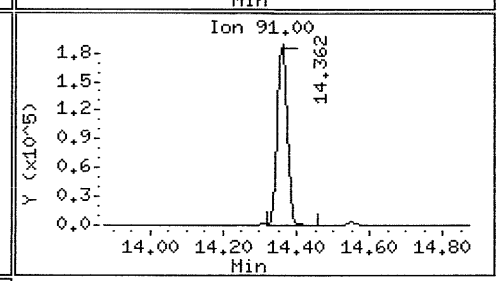
Sample Info: SB1567-13

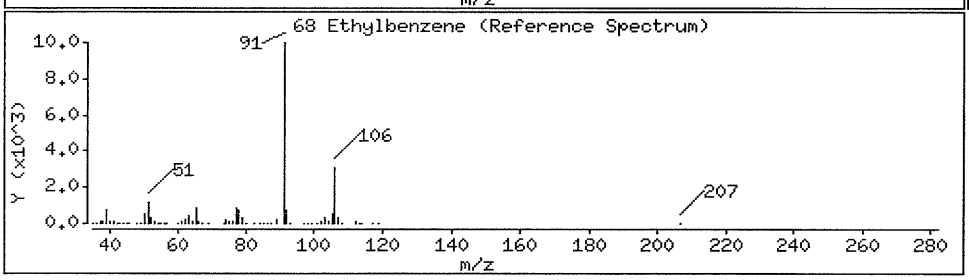
68 Ethylbenzene Concentration: 4.6 ug/l



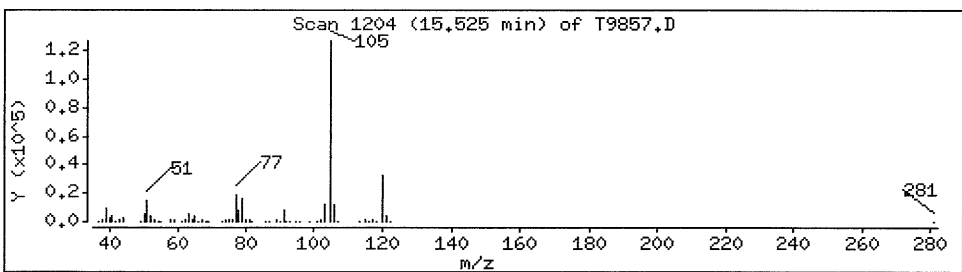


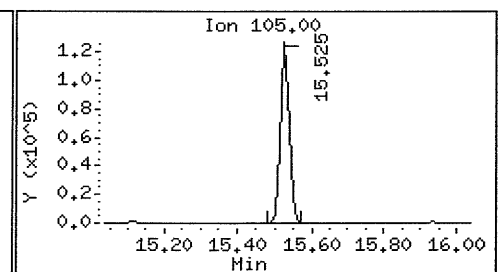


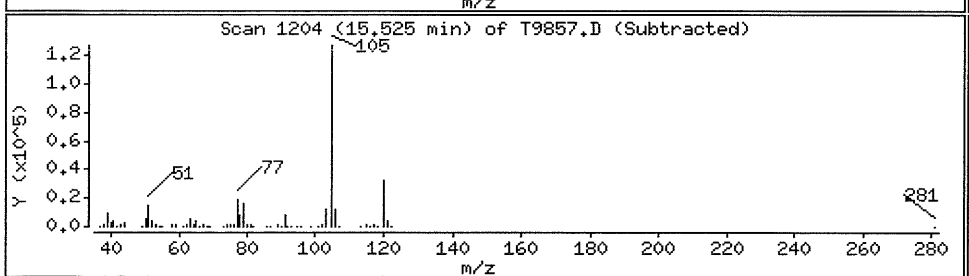


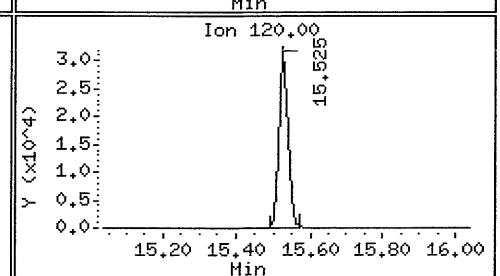


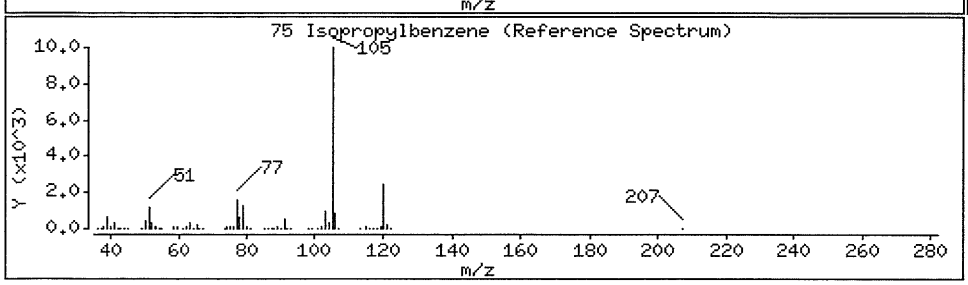
75 Isopropylbenzene Concentration: 3.6 ug/l











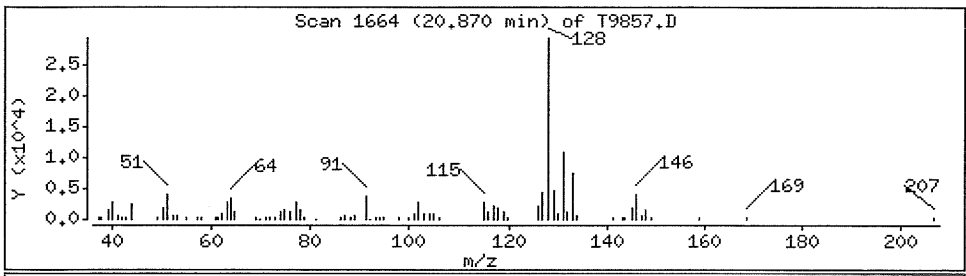
Data File: \\Target_server\GC\chem\gcms-t.i\T032808.b\T9857.D

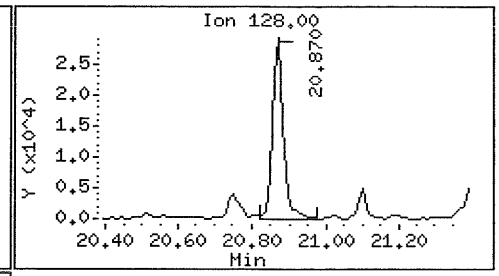
Date : 28-MAR-2008 20:35

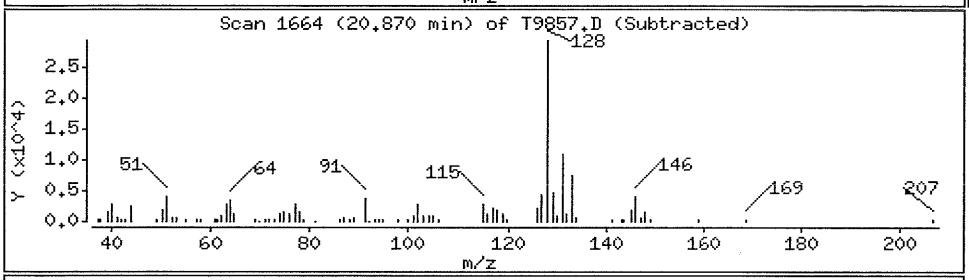
Client ID: AWDGWMW40420080327 Instrument: gcms-t.i

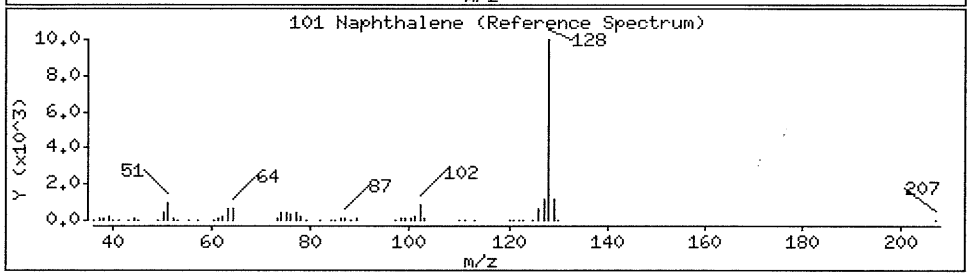
Sample Info: SB1567-13

101 Naphthalene Concentration: 2.1 ug/l









KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 03/27/08
Received Date: 03/29/08
Extraction Date:
Analysis Date: 01-APR-2008 15:41
Report Date: 04/02/2008
Matrix: WATER
% Solids: NA

Lab ID: SB1568-1
Client ID: AWD-SW-TB3
SDG: CTO426-2
Extracted by:
Extraction Method: SW846 5030
Analyst: HCG
Analysis Method: SW846 8260B
Lab Prep Batch: WG49847
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
1634-04-4	Methyl tert-butyl ether	U	1	1.0	1	1	0.6
71-43-2	Benzene	U	1	1.0	1	1	0.4
108-88-3	Toluene	U	1	1.0	1	1	0.3
100-41-4	Ethylbenzene	U	1	1.0	1	1	0.4
1330-20-7	Xylenes (total)	U	3	1.0	3	3	0.4
	m+p-Xylenes	U	2	1.0	2	2	1.0
95-47-6	o-Xylene	U	1	1.0	1	1	0.4
98-82-8	Isopropylbenzene	U	1	1.0	1	1	0.5
91-20-3	Naphthalene	U	1	1.0	1	1	0.4
1868-53-7	Dibromofluoromethane		88%				
17060-07-0	1,2-Dichloroethane-D4		91%				
2037-26-5	Toluene-D8		95%				
460-00-4	P-Bromofluorobenzene		93%				

Data File: \\Target_server\GG\chem\gcms-t.i\T040108.b\T9879.D
Report Date: 02-Apr-2008 10:12

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gcms-t.i\T040108.b\T9879.D
Lab Smp Id: SB1568-1 Client Smp ID: AWD-SW-TB3
Inj Date : 01-APR-2008 15:41 MS Autotune Date: 05-MAR-2008 13:39
Operator : HCG Inst ID: gcms-t.i
Smp Info : SB1568-1
Misc Info : SW846 8260B
Comment :
Method : \\Target_server\GG\chem\gcms-t.i\T040108.b\T826a80.m
Meth Date : 01-Apr-2008 12:04 hgroshong Quant Type: ISTD
Cal Date : 26-MAR-2008 13:56 Cal File: T9813.D
Als bottle: 7
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TETRAT426001.sub
Target Version: 4.12
Processing Host: MIS_2

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)
$ 37 Dibromofluoromethane	113	9.443	9.437	(0.932)	809753	43.9256	43.9
$ 45 1,2-Dichloroethane-D4	65	10.175	10.169	(1.005)	790682	45.5735	45.6
$ 55 Toluene-D8	98	12.371	12.365	(1.149)	2637951	47.6105	47.6
$ 76 P-Bromofluorobenzene	95	15.951	15.944	(1.481)	1042806	46.5746	46.6
* 42 Pentafluorobenzene	168	10.129	10.122	(1.000)	1345096	50.0000	
* 49 1,4-Difluorobenzene	114	10.768	10.761	(1.000)	2197341	50.0000	
* 66 Chlorobenzene-D5	117	14.335	14.329	(1.000)	1813789	50.0000	
* 91 1,4-Dichlorobenzene-D4	152	17.519	17.513	(1.000)	863402	50.0000	

Data File: \\Target_server\GG\chem\gcms-t.i\T040108.b\T9879.D
Report Date: 02-Apr-2008 10:12

Katahdin Analytical Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcms-t.i
Lab File ID: T9879.D
Lab Smp Id: SB1568-1
Analysis Type: VOA
Quant Type: ISTD
Operator: HCG
Method File: \\Target_server\GG\chem\gcms-t.i\T040108.b\T826a80.m
Misc Info: SW846 8260B

Calibration Date: 01-APR-2008
Calibration Time: 11:39
Client Smp ID: AWD-SW-TB3
Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 4

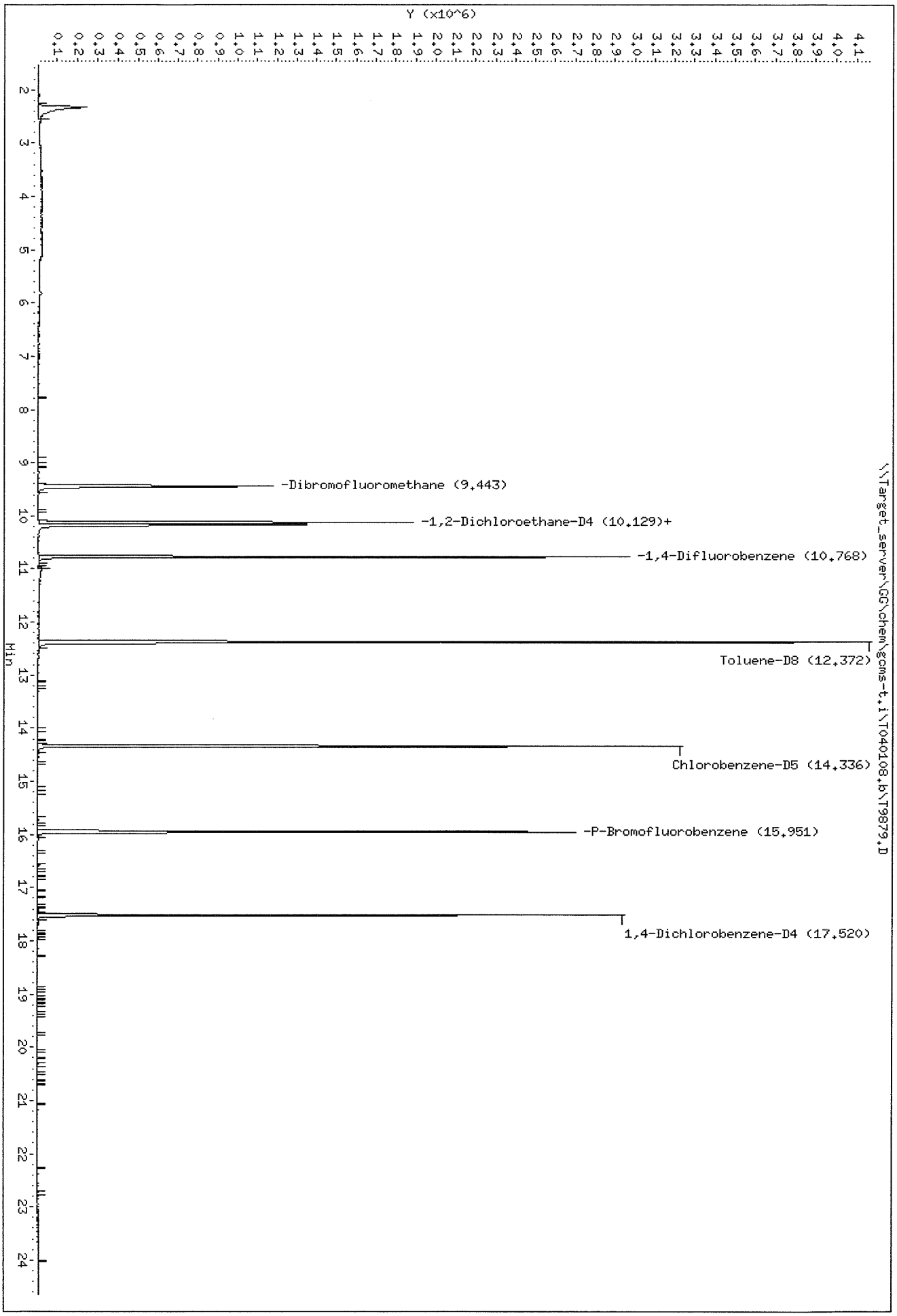
COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	1409194	704597	2818388	1345096	-4.55
49 1,4-Difluorobenze	2309084	1154542	4618168	2197341	-4.84
66 Chlorobenzene-D5	1896005	948003	3792010	1813789	-4.34
91 1,4-Dichlorobenze	961550	480775	1923100	863402	-10.21

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	10.12	9.62	10.62	10.13	0.10
49 1,4-Difluorobenze	10.76	10.26	11.26	10.77	0.10
66 Chlorobenzene-D5	14.33	13.83	14.83	14.34	0.07
91 1,4-Dichlorobenze	17.51	17.01	18.01	17.52	0.06

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.

Data File: \\Target_server\GC\chem\gcms-t.i\T040108.b\T9879.D
Date : 01-APR-2008 15:41
Client ID: AWD-SW-TB3
Sample Info: SB1568-1

Instrument: gcms-t.i



KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 03/27/08
Received Date: 03/29/08
Extraction Date:
Analysis Date: 01-APR-2008 17:48
Report Date: 04/02/2008
Matrix: WATER
% Solids: NA

Lab ID: SB1568-2
Client ID: AWDSWPZ203A20080327
SDG: CTO426-2
Extracted by:
Extraction Method: SW846 5030
Analyst: HCG
Analysis Method: SW846 8260B
Lab Prep Batch: WG49847
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
1634-04-4	Methyl tert-butyl ether	U	1	1.0	1	1	0.6
71-43-2	Benzene	U	1	1.0	1	1	0.4
108-88-3	Toluene	U	1	1.0	1	1	0.3
100-41-4	Ethylbenzene	U	1	1.0	1	1	0.4
1330-20-7	Xylenes (total)	U	3	1.0	3	3	0.4
	m+p-Xylenes	U	2	1.0	2	2	1.0
95-47-6	o-Xylene	U	1	1.0	1	1	0.4
98-82-8	Isopropylbenzene	U	1	1.0	1	1	0.5
91-20-3	Naphthalene	U	1	1.0	1	1	0.4
1868-53-7	Dibromofluoromethane		89%				
17060-07-0	1,2-Dichloroethane-D4		94%				
2037-26-5	Toluene-D8		96%				
460-00-4	P-Bromofluorobenzene		93%				

Data File: \\Target_server\GG\chem\gcms-t.i\T040108.b\T9883.D
Report Date: 02-Apr-2008 10:12

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gcms-t.i\T040108.b\T9883.D
Lab Smp Id: SB1568-2 Client Smp ID: AWDSWPZ203A20080327
Inj Date : 01-APR-2008 17:48 MS Autotune Date: 05-MAR-2008 13:39
Operator : HCG Inst ID: gcms-t.i
Smp Info : SB1568-2
Misc Info : SW846 8260B
Comment :
Method : \\Target_server\GG\chem\gcms-t.i\T040108.b\T826a80.m
Meth Date : 01-Apr-2008 12:04 hgroshong Quant Type: ISTD
Cal Date : 26-MAR-2008 13:56 Cal File: T9813.D
Als bottle: 11
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TETRAT426001.sub
Target Version: 4.12
Processing Host: MIS_2

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)
$ 37 Dibromofluoromethane	113	9.445	9.437	(0.933)	798610	44.6158	44.6
$ 45 1,2-Dichloroethane-D4	65	10.178	10.169	(1.006)	788869	46.8279	46.8
$ 55 Toluene-D8	98	12.374	12.365	(1.149)	2631662	48.0137	48.0
$ 76 P-Bromofluorobenzene	95	15.953	15.944	(1.481)	1031031	46.5497	46.5
* 42 Pentafluorobenzene	168	10.119	10.122	(1.000)	1306063	50.0000	
* 49 1,4-Difluorobenzene	114	10.770	10.761	(1.000)	2173694	50.0000	
* 66 Chlorobenzene-D5	117	14.338	14.329	(1.000)	1779130	50.0000	
* 91 1,4-Dichlorobenzene-D4	152	17.522	17.513	(1.000)	850601	50.0000	

Data File: \\Target_server\GG\chem\gcms-t.i\T040108.b\T9883.D
Report Date: 02-Apr-2008 10:12

Katahdin Analytical Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcms-t.i
Lab File ID: T9883.D
Lab Smp Id: SB1568-2
Analysis Type: VOA
Quant Type: ISTD
Operator: HCG
Method File: \\Target_server\GG\chem\gcms-t.i\T040108.b\T826a80.m
Misc Info: SW846 8260B

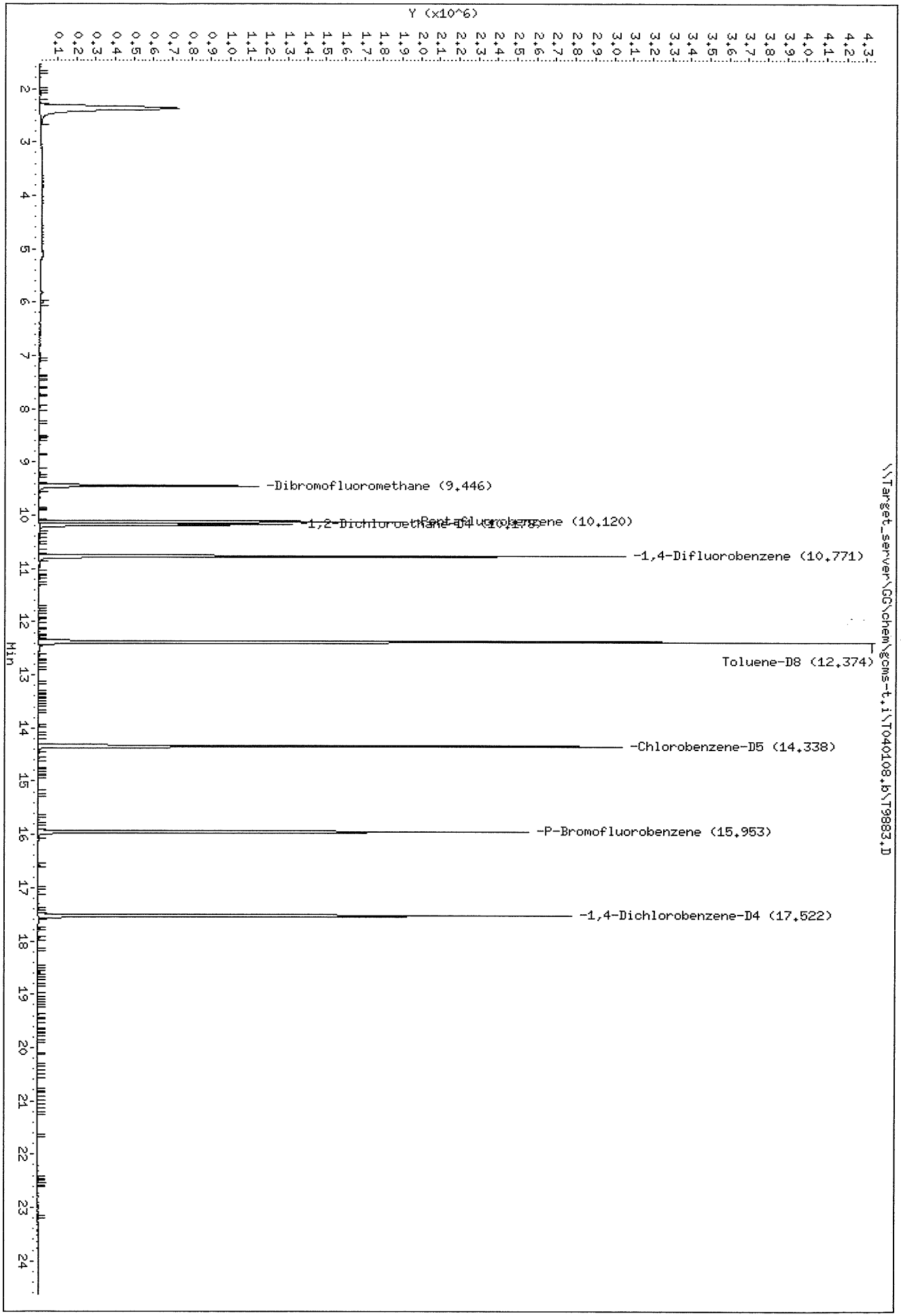
Calibration Date: 01-APR-2008
Calibration Time: 11:39
Client Smp ID: AWDSWPZ203A2008
Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 4

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	1409194	704597	2818388	1306063	-7.32
49 1,4-Difluorobenze	2309084	1154542	4618168	2173694	-5.86
66 Chlorobenzene-D5	1896005	948003	3792010	1779130	-6.16
91 1,4-Dichlorobenze	961550	480775	1923100	850601	-11.54

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	10.12	9.62	10.62	10.12	0.01
49 1,4-Difluorobenze	10.76	10.26	11.26	10.77	0.12
66 Chlorobenzene-D5	14.33	13.83	14.83	14.34	0.09
91 1,4-Dichlorobenze	17.51	17.01	18.01	17.52	0.07

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.



Data File: \\Target_server\GC\chem\gcms-t.i\T040108.b\T9883.D
Date : 01-APR-2008 17:48
Client ID: AWDSWP2203A20080327
Sample Info: SB1568-2

Instrument: gcms-t.i

Standards Data Section

FORM 6
VOLATILE INITIAL CALIBRATION DATA

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project CTO 426 NLON SDG No.: CTO426-2

Instrument ID: GCMS-T Calibration Date(s): 03/26/08 03/26/08

Column: RTX-VMS ID: 0.18 (mm) Calibration Time(s): 1117 1356

LAB FILE ID: RF1: T9813 RF5: T9812 RF20: T9811
RF50: T9810 RF100: T9809 RF200: T9808

COMPOUND	RF1	RF5	RF20	RF50	RF100	RF200	CURVE	COEFF. A1	%RSD OR R^2	MAX %RSD OR R^2
Methyl tert-butyl ether	1.241	1.143	1.176	1.181	1.248	1.362	AVRG	1.22519786	6.387	15.000
Benzene	1.736	1.322	1.449	1.573	1.510	1.370	AVRG	1.49323896	10.031	15.000
Toluene	1.074	0.830	0.896	0.970	0.932	0.841	AVRG	0.92400516	9.827	15.000
Ethylbenzene	0.741	0.528	0.592	0.637	0.618	0.598	AVRG	0.61905316	11.340	15.000
Xylenes (total)							AVRG			0.000
m+p-Xylenes	0.888	0.681	0.739	0.786	0.721	0.643	AVRG	0.74322852	11.629	15.000
o-Xylene	0.764	0.640	0.706	0.772	0.755	0.738	AVRG	0.72921478	6.766	15.000
Isopropylbenzene	4.051	2.902	3.210	3.470	3.268	2.852	AVRG	3.29245079	13.309	15.000
Naphthalene	1.597	1.256	1.489	1.742	1.891	1.798	AVRG	1.62883773	14.263	15.000
Dibromofluoromethane	0.744	0.652	0.641	0.684	0.689	0.702	AVRG	0.68525476	5.348	15.000
1,2-Dichloroethane-D4	0.751	0.624	0.606	0.624	0.619	0.645	AVRG	0.64492100	8.284	15.000
Toluene-D8	1.404	1.310	1.252	1.292	1.231	1.076	AVRG	1.26077085	8.624	15.000
P-Bromofluorobenzene	0.600	0.495	0.482	0.516	0.498	0.465	AVRG	0.50947963	9.329	15.000

Average %RSD test result.

Calculate Average %RSD: 11.26573849
Maximum Average %RSD: 15.00000000

Note: Passes Average %RSD Test.

FORM VI VOA

Data File: \\target_server\GG\chem\gcms-t.i\T032608.b\T9808.D
Report Date: 26-Mar-2008 15:25

Katahdin Analytical Services

Data file : \\target_server\GG\chem\gcms-t.i\T032608.b\T9808.D
Lab Smp Id: VSTD200T26A
Inj Date : 26-MAR-2008 11:17
Operator : HCG Inst ID: gcms-t.i
Smp Info : VSTD200T26A
Misc Info : SW846 8260B
Comment :
Method : \\target_server\GG\chem\gcms-t.i\T032608.b\T826a80.m
Meth Date : 26-Mar-2008 15:25 hgroshong Quant Type: ISTD
Cal Date : 26-MAR-2008 11:17 Cal File: T9808.D
Als bottle: 3 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.12
Processing Host: V200T1

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	sample purged
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)
1 Dichlorodifluoromethane	85	2.543	2.557	(0.251)	3647062	200.000	243(A)
2 Chloromethane	50	2.845	2.859	(0.281)	5702796	200.000	229(A)
3 Vinyl chloride	62	2.961	2.964	(0.292)	4207039	200.000	232(A)
4 Bromomethane	94	3.449	3.452	(0.340)	2115008	200.000	222(A)
5 Chloroethane	64	3.635	3.649	(0.359)	1037120	200.000	171
6 Trichlorofluoromethane	101	3.832	3.847	(0.378)	1804659	200.000	114
7 Diethyl Ether	59	4.402	4.393	(0.435)	2257727	200.000	232(A)
8 Tertiary-butyl alcohol	59	6.796	6.764	(0.671)	1441819	1000.00	1420(A)
9 1,1-Dichloroethene	96	4.681	4.695	(0.462)	2365356	200.000	218(A)
10 Carbon Disulfide	76	4.716	4.730	(0.465)	5457958	200.000	200(A)
11 Freon-113	151	4.751	4.777	(0.469)	1805713	200.000	232(A)
12 Iodomethane	142	4.948	4.951	(0.488)	1643585	200.000	194
13 Acrolein	56	5.378	5.369	(0.531)	2899657	1000.00	1160(A)
14 Methylene Chloride	84	5.808	5.811	(0.573)	3879790	200.000	218(A)
15 Acetone	43	5.994	5.985	(0.592)	5895611	1000.00	1140(A)
16 Isobutyl Alcohol	43	10.363	10.355	(1.023)	2446717	4000.00	4670(A)
17 trans-1,2-Dichloroethene	96	6.122	6.125	(0.604)	3565652	200.000	218(A)
18 Allyl Chloride	41	5.587	5.590	(0.552)	5610941	200.000	284(A)
19 Methyl tert-butyl ether	73	6.424	6.415	(0.634)	12361255	400.000	445(A)
20 Acetonitrile	39	7.028	7.019	(0.694)	951964	2000.00	2040(A)
21 Di-isopropyl ether	45	7.330	7.322	(0.724)	13461211	200.000	222(A)
22 Chloroprene	53	7.481	7.484	(0.738)	5099485	200.000	221(A)
23 Propionitrile	54	10.096	10.064	(0.997)	3126663	2000.00	1880

Data File: \\target_server\GG\chem\gcms-t.i\T032608.b\T9808.D
Report Date: 26-Mar-2008 15:25

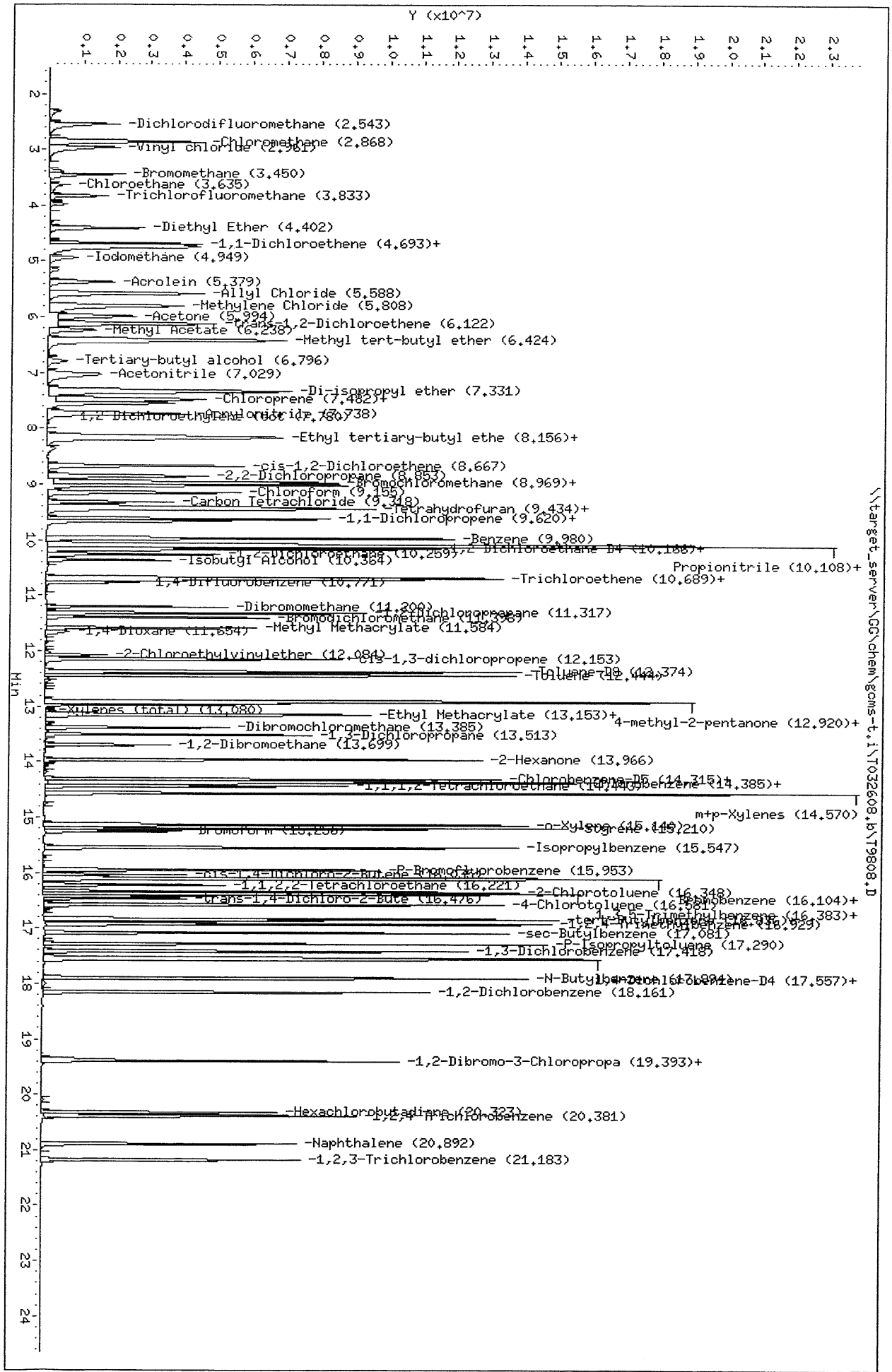
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)
	24 Methacrylonitrile	41	10.108	10.087	(0.998)	15136318	2000.00	1780
	25 1,1-Dichloroethane	63	7.539	7.542	(0.744)	6047683	200.000	220(A)
	26 Acrylonitrile	52	7.737	7.728	(0.764)	4716725	1000.00	1110(A)
	27 Ethyl tertiary-butyl ether	59	8.144	8.147	(0.804)	9563187	200.000	218(A)
	28 Vinyl Acetate	43	8.179	8.182	(0.759)	8351115	200.000	210(A)
	29 cis-1,2-Dichloroethene	96	8.667	8.670	(0.855)	3703109	200.000	219(A)
M	30 1,2-Dichloroethylene (total)	96				7268761	200.000	436
	31 Methyl Methacrylate	41	11.583	11.586	(1.076)	2839430	200.000	210(A)
	32 2,2-Dichloropropane	77	8.853	8.856	(0.874)	3870126	200.000	258(A)
	33 Bromochloromethane	128	9.015	9.018	(0.890)	2997812	200.000	208(A)
	34 Chloroform	83	9.155	9.158	(0.904)	5249420	200.000	216(A)
	35 Carbon Tetrachloride	117	9.317	9.320	(0.865)	2752845	200.000	203(A)
	36 Tetrahydrofuran	42	9.399	9.402	(0.928)	4355064	1000.00	1070(A)
$	37 Dibromofluoromethane	113	9.434	9.437	(0.931)	3183647	200.000	205(A)
	38 1,1,1-Trichloroethane	97	9.445	9.437	(0.932)	4026857	200.000	211(A)
	39 1,1-Dichloropropene	75	9.620	9.622	(0.893)	4220157	200.000	198
	40 2-Butanone	43	9.654	9.657	(0.953)	7442128	1000.00	1100(A)
	41 Benzene	78	9.980	9.971	(0.927)	11472625	200.000	183
*	42 Pentafluorobenzene	168	10.131	10.122	(1.000)	1134353	50.0000	
	43 Cyclohexane	56	8.969	8.972	(0.885)	5270443	200.000	225(A)
	44 Ethyl Methacrylate	69	13.141	13.144	(1.220)	3403241	200.000	207(A)
$	45 1,2-Dichloroethane-D4	65	10.177	10.169	(1.005)	2926038	200.000	200
	46 Tertiary-amyl methyl ether	73	10.166	10.157	(1.003)	7179896	200.000	206(A)
	47 1,2-Dichloroethane	62	10.259	10.262	(0.953)	3651075	200.000	195
	48 Trichloroethene	95	10.712	10.715	(0.995)	2984570	200.000	178
*	49 1,4-Difluorobenzene	114	10.770	10.761	(1.000)	2093515	50.0000	
	50 Dibromomethane	93	11.200	11.203	(1.040)	1847915	200.000	190
	51 1,2-Dichloropropane	63	11.316	11.319	(1.051)	3139086	200.000	196
	52 Bromodichloromethane	83	11.398	11.389	(1.058)	3951155	200.000	208(A)
	53 cis-1,3-dichloropropene	75	12.153	12.144	(1.128)	4773344	200.000	203(A)
	54 1,4-Dioxane	88	11.653	11.644	(1.082)	579907	4000.00	3850
$	55 Toluene-D8	98	12.374	12.365	(1.149)	9009880	200.000	171
	56 2-Chloroethylvinylether	63	12.083	12.074	(1.122)	644395	200.000	257(A)
	57 Toluene	92	12.443	12.435	(1.155)	7039761	200.000	182
	58 4-methyl-2-pentanone	43	12.931	12.923	(1.201)	11335327	1000.00	815
	59 Tetrachloroethene	164	12.908	12.900	(0.900)	2362870	200.000	179
	60 trans-1,3-Dichloropropene	75	12.966	12.958	(1.204)	3774802	200.000	206(A)
	61 1,1,2-Trichloroethane	83	13.164	13.167	(1.222)	1985287	200.000	188
	62 Dibromochloromethane	129	13.385	13.388	(0.934)	2983374	200.000	226(A)
	63 1,3-Dichloropropane	76	13.512	13.504	(0.942)	4394080	200.000	206(A)
	64 1,2-Dibromoethane	107	13.698	13.690	(1.272)	2671450	200.000	196
	65 2-Hexanone	43	13.966	13.957	(0.974)	9262324	1000.00	989
*	66 Chlorobenzene-D5	117	14.338	14.329	(1.000)	1613985	50.0000	
	67 Chlorobenzene	112	14.361	14.352	(1.002)	6815668	200.000	183
	152 1-Chlorohexane	91	14.314	14.306	(1.413)	4761885	200.000	205(A)
	68 Ethylbenzene	106	14.384	14.375	(1.003)	3864212	200.000	193
	69 1,1,1,2-Tetrachloroethane	131	14.442	14.433	(1.007)	2650782	200.000	216(A)
M	70 Xylenes (total)	106				13070047	600.000	549
	71 m+p-Xylenes	106	14.570	14.561	(1.016)	8306891	400.000	346
	72 o-Xylene	106	15.139	15.131	(1.056)	4763156	200.000	202(A)
	73 Styrene	104	15.209	15.200	(1.061)	7846914	200.000	198
	74 Bromoform	173	15.256	15.259	(1.064)	2055684	200.000	225(A)
	75 Isopropylbenzene	105	15.546	15.537	(0.887)	10063520	200.000	173
$	76 P-Bromofluorobenzene	95	15.953	15.944	(1.481)	3895784	200.000	183

Data File: \\target_server\GG\chem\gcms-t.i\T032608.b\T9808.D
Report Date: 26-Mar-2008 15:25

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)
77 cis-1,4-Dichloro-2-Butene	53	16.034	16.037	(0.915)	997896	200.000	236(A)
78 trans-1,4-Dichloro-2-Butene	53	16.476	16.466	(0.940)	952978	200.000	229(A)
79 Bromobenzene	156	16.104	16.094	(0.919)	2908891	200.000	174
80 N-Propylbenzene	91	16.116	16.107	(0.920)	12086588	200.000	159
81 1,1,2,2-Tetrachloroethane	83	16.220	16.210	(0.926)	2980204	200.000	196
82 1,3,5-Trimethylbenzene	105	16.383	16.373	(0.935)	8885101	200.000	173
83 2-Chlorotoluene	91	16.348	16.338	(0.933)	9081665	200.000	178
84 1,2,3-Trichloropropane	75	16.418	16.421	(0.937)	2350909	200.000	201(A)
85 4-Chlorotoluene	91	16.580	16.572	(0.946)	8341625	200.000	180
86 tert-Butylbenzene	119	16.836	16.827	(0.961)	8169626	200.000	177
87 Pentachloroethane	117	16.871	16.873	(0.963)	2040648	200.000	210(AM) M3 HG 3/20
88 1,2,4-Trimethylbenzene	105	16.929	16.920	(0.966)	9258132	200.000	182
89 P-Isopropyltoluene	119	17.289	17.280	(0.987)	9596679	200.000	180
90 1,3-Dichlorobenzene	146	17.417	17.408	(0.994)	5543901	200.000	177
* 91 1,4-Dichlorobenzene-D4	152	17.522	17.513	(1.000)	882079	50.0000	
92 1,4-Dichlorobenzene	146	17.545	17.536	(1.001)	5158531	200.000	168
93 N-Butylbenzene	91	17.893	17.896	(1.021)	9208458	200.000	185
94 sec-Butylbenzene	105	17.092	17.082	(0.975)	11819999	200.000	168
95 1,2-Dichlorobenzene	146	18.161	18.152	(1.036)	5056043	200.000	183
96 1,2-Dibromo-3-Chloropropane	75	19.358	19.349	(1.105)	472935	200.000	180
97 1,3,5-Trichlorobenzene	180	19.393	19.384	(1.107)	3733523	200.000	184
98 Hexachlorobutadiene	225	20.322	20.313	(1.160)	1554264	200.000	196
99 1,2,4-Trichlorobenzene	180	20.380	20.383	(1.163)	3309347	200.000	194
100 1,2,3-Trimethylbenzene	105	17.568	17.559	(1.003)	8624162	200.000	178
101 Naphthalene	128	20.892	20.895	(1.192)	6342894	200.000	221(A)
102 1,2,3-Trichlorobenzene	180	21.182	21.173	(1.209)	2904057	200.000	198
103 Methyl Acetate	43	6.238	6.241	(0.616)	3031024	200.000	231(A)
104 Methylcyclohexane	83	10.689	10.680	(1.055)	5117992	200.000	214(A)
M 153 Total Alkylbenzenes	100				69024583	200.000	1220

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.
M - Compound response manually integrated.



Data File: \\target_server\GC\chem\gcms-t.i\T032608.b\T9808.D
Date : 26-MAR-2008 11:17
Client ID:
Sample Info: VSTD200T26A
Purge Volume: 5.0
Column phase: RTX-VMS

Instrument: gcms-t.i
Operator: HCG
Column diameter: 0.18

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Data File: \\target_server\GG\chem\gcms-t.i\T032608.b\T9809.D
Report Date: 26-Mar-2008 15:25

Katahdin Analytical Services

Data file : \\target_server\GG\chem\gcms-t.i\T032608.b\T9809.D
Lab Smp Id: VSTD100T26A
Inj Date : 26-MAR-2008 11:48
Operator : HCG Inst ID: gcms-t.i
Smp Info : VSTD100T26A
Misc Info : SW846 8260B
Comment :
Method : \\target_server\GG\chem\gcms-t.i\T032608.b\T826a80.m
Meth Date : 26-Mar-2008 15:25 hgroshong Quant Type: ISTD
Cal Date : 26-MAR-2008 11:48 Cal File: T9809.D
Als bottle: 4 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.12
Processing Host: V200T1

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	sample purged
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)
1 Dichlorodifluoromethane	85	2.547	2.557	(0.252)	1802760	100.000	111
2 Chloromethane	50	2.860	2.859	(0.283)	2762575	100.000	102
3 Vinyl chloride	62	2.965	2.964	(0.293)	2015247	100.000	102
4 Bromomethane	94	3.453	3.452	(0.341)	968985	100.000	93.6
5 Chloroethane	64	3.639	3.649	(0.359)	518764	100.000	78.6
6 Trichlorofluoromethane	101	3.837	3.847	(0.379)	1775640	100.000	104
7 Diethyl Ether	59	4.406	4.393	(0.435)	1107571	100.000	105
8 Tertiary-butyl alcohol	59	6.777	6.764	(0.669)	635690	500.000	577
9 1,1-Dichloroethene	96	4.696	4.695	(0.464)	1221948	100.000	104
10 Carbon Disulfide	76	4.731	4.730	(0.467)	2968212	100.000	100
11 Freon-113	151	4.766	4.777	(0.471)	943907	100.000	112
12 Iodomethane	142	4.952	4.951	(0.489)	939142	100.000	102
13 Acrolein	56	5.370	5.369	(0.531)	1425138	500.000	523
14 Methylene Chloride	84	5.812	5.811	(0.574)	1888447	100.000	97.7
15 Acetone	43	5.986	5.985	(0.591)	2780562	500.000	496
16 Isobutyl Alcohol	43	10.356	10.355	(1.023)	1252886	2000.00	2200
17 trans-1,2-Dichloroethene	96	6.126	6.125	(0.605)	1801111	100.000	101
18 Allyl Chloride	41	5.591	5.590	(0.552)	2542190	100.000	118
19 Methyl tert-butyl ether	73	6.416	6.415	(0.634)	6148978	200.000	204
20 Acetonitrile	39	7.021	7.019	(0.694)	459233	1000.00	922
21 Di-isopropyl ether	45	7.334	7.322	(0.725)	6855062	100.000	104
22 Chloroprene	53	7.485	7.484	(0.739)	2589164	100.000	104
23 Propionitrile	54	10.077	10.064	(0.995)	1756021	1000.00	970

Data File: \\target_server\GG\chem\gcms-t.i\T032608.b\T9809.D
Report Date: 26-Mar-2008 15:25

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)
	24 Methacrylonitrile	41	10.088	10.087	(0.997)	8619353	1000.00	934
	25 1,1-Dichloroethane	63	7.555	7.542	(0.746)	3081110	100.000	103
	26 Acrylonitrile	52	7.741	7.728	(0.765)	2367997	500.000	512
	27 Ethyl tertiary-butyl ether	59	8.148	8.147	(0.805)	4944596	100.000	104
	28 Vinyl Acetate	43	8.183	8.182	(0.760)	4232045	100.000	107
	29 cis-1,2-Dichloroethene	96	8.671	8.670	(0.857)	1902642	100.000	103
M	30 1,2-Dichloroethylene (total)	96				3703753	100.000	205
	31 Methyl Methacrylate	41	11.588	11.586	(1.077)	1438213	100.000	107
	32 2,2-Dichloropropane	77	8.857	8.856	(0.875)	1833906	100.000	113
	33 Bromochloromethane	128	9.019	9.018	(0.891)	1586839	100.000	101
	34 Chloroform	83	9.159	9.158	(0.905)	2704103	100.000	102
	35 Carbon Tetrachloride	117	9.322	9.320	(0.866)	1263150	100.000	96.4
	36 Tetrahydrofuran	42	9.403	9.402	(0.929)	2262369	500.000	511
$	37 Dibromofluoromethane	113	9.438	9.437	(0.932)	1698325	100.000	100
	38 1,1,1-Trichloroethane	97	9.438	9.437	(0.932)	2111080	100.000	102
	39 1,1-Dichloropropene	75	9.624	9.622	(0.894)	2182853	100.000	103
	40 2-Butanone	43	9.658	9.657	(0.954)	3802407	500.000	519
	41 Benzene	78	9.972	9.971	(0.927)	6272288	100.000	101
*	42 Pentafluorobenzene	168	10.123	10.122	(1.000)	1231975	50.0000	
	43 Cyclohexane	56	8.973	8.972	(0.886)	2733648	100.000	108
	44 Ethyl Methacrylate	69	13.145	13.144	(1.221)	1807645	100.000	111
$	45 1,2-Dichloroethane-D4	65	10.181	10.169	(1.006)	1525777	100.000	96.0
	46 Tertiary-amyl methyl ether	73	10.158	10.157	(1.003)	3877629	100.000	102
	47 1,2-Dichloroethane	62	10.263	10.262	(0.954)	1893614	100.000	102
	48 Trichloroethene	95	10.716	10.715	(0.996)	1587438	100.000	95.5
*	49 1,4-Difluorobenzene	114	10.762	10.761	(1.000)	2076748	50.0000	
	50 Dibromomethane	93	11.204	11.203	(1.041)	945762	100.000	98.2
	51 1,2-Dichloropropane	63	11.320	11.319	(1.052)	1632852	100.000	103
	52 Bromodichloromethane	83	11.390	11.389	(1.058)	2038176	100.000	108
	53 cis-1,3-dichloropropene	75	12.145	12.144	(1.128)	2475061	100.000	106
	54 1,4-Dioxane	88	11.646	11.644	(1.082)	303612	2000.00	2030
$	55 Toluene-D8	98	12.378	12.365	(1.150)	5111604	100.000	97.6
	56 2-Chloroethylvinylether	63	12.076	12.074	(1.122)	221351	100.000	89.2
	57 Toluene	92	12.436	12.435	(1.155)	3872501	100.000	101
	58 4-methyl-2-pentanone	43	12.924	12.923	(1.201)	6720946	500.000	487
	59 Tetrachloroethene	164	12.901	12.900	(0.900)	1300543	100.000	94.0
	60 trans-1,3-Dichloropropene	75	12.959	12.958	(1.204)	1904055	100.000	104
	61 1,1,2-Trichloroethane	83	13.168	13.167	(1.223)	1045870	100.000	99.8
	62 Dibromochloromethane	129	13.389	13.388	(0.934)	1511740	100.000	109
	63 1,3-Dichloropropane	76	13.505	13.504	(0.942)	2273825	100.000	102
	64 1,2-Dibromoethane	107	13.691	13.690	(1.272)	1370841	100.000	102
	65 2-Hexanone	43	13.958	13.957	(0.974)	5024258	500.000	511
*	66 Chlorobenzene-D5	117	14.330	14.329	(1.000)	1695590	50.0000	
	67 Chlorobenzene	112	14.353	14.352	(1.002)	3829477	100.000	97.8
	152 1-Chlorohexane	91	14.307	14.306	(1.413)	2521925	100.000	100
	68 Ethylbenzene	106	14.376	14.375	(1.003)	2097157	100.000	99.9
	69 1,1,1,2-Tetrachloroethane	131	14.435	14.433	(1.007)	1359704	100.000	105
M	70 Xylenes (total)	106				7450091	300.000	298
	71 m+p-Xylenes	106	14.562	14.561	(1.016)	4888236	200.000	194
	72 o-Xylene	106	15.132	15.131	(1.056)	2561855	100.000	104
	73 Styrene	104	15.202	15.200	(1.061)	4305593	100.000	103
	74 Bromoform	173	15.260	15.259	(1.065)	1028941	100.000	107
	75 Isopropylbenzene	105	15.550	15.537	(0.888)	5704802	100.000	99.3
$	76 P-Bromofluorobenzene	95	15.945	15.944	(1.482)	2070382	100.000	97.8

Data File: \\target_server\GG\chem\gcms-t.i\T032608.b\T9809.D
Report Date: 26-Mar-2008 15:25

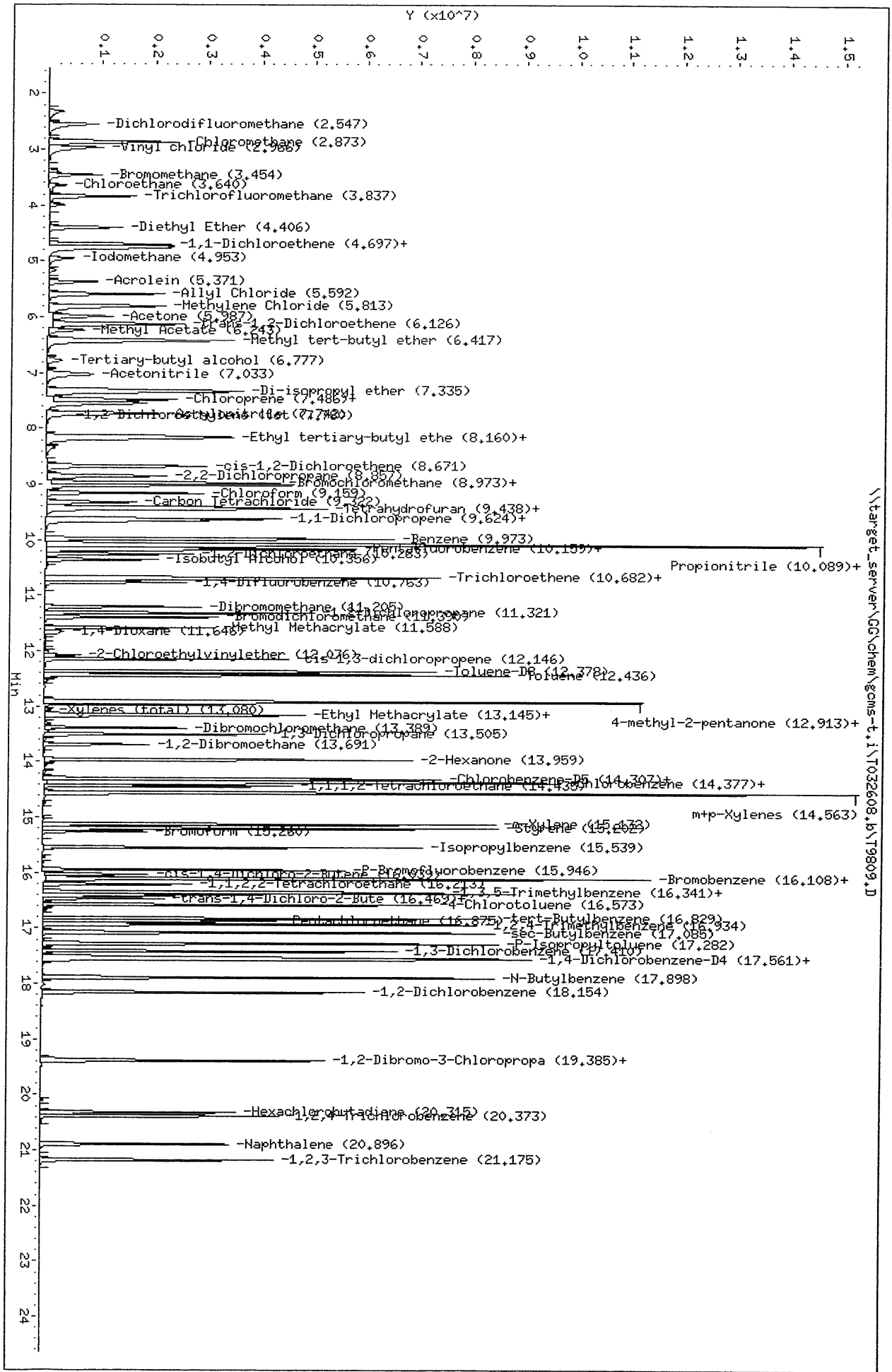
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)
	77 cis-1,4-Dichloro-2-Butene	53	16.038	16.037	(0.916)	486986	100.000	116
	78 trans-1,4-Dichloro-2-Butene	53	16.468	16.466	(0.940)	470218	100.000	114
	79 Bromobenzene	156	16.096	16.094	(0.919)	1606931	100.000	96.9
	80 N-Propylbenzene	91	16.108	16.107	(0.920)	7254712	100.000	96.3
	81 1,1,2,2-Tetrachloroethane	83	16.213	16.210	(0.926)	1537685	100.000	102
	82 1,3,5-Trimethylbenzene	105	16.375	16.373	(0.935)	5056423	100.000	99.6
	83 2-Chlorotoluene	91	16.340	16.338	(0.933)	5009099	100.000	99.1
	84 1,2,3-Trichloropropane	75	16.422	16.421	(0.938)	1155394	100.000	99.8
	85 4-Chlorotoluene	91	16.573	16.572	(0.946)	4610214	100.000	100
	86 tert-Butylbenzene	119	16.828	16.827	(0.961)	4779616	100.000	104
	87 Pentachloroethane	117	16.875	16.873	(0.964)	1085279	100.000	114 (M) M3 HG 3/26
	88 1,2,4-Trimethylbenzene	105	16.933	16.920	(0.967)	5209530	100.000	103
	89 P-Isopropyltoluene	119	17.282	17.280	(0.987)	5425678	100.000	103
	90 1,3-Dichlorobenzene	146	17.409	17.408	(0.994)	3004709	100.000	96.8
*	91 1,4-Dichlorobenzene-D4	152	17.514	17.513	(1.000)	872768	50.0000	
	92 1,4-Dichlorobenzene	146	17.537	17.536	(1.001)	2869803	100.000	94.6
	93 N-Butylbenzene	91	17.898	17.896	(1.022)	5190820	100.000	106
	94 sec-Butylbenzene	105	17.084	17.082	(0.975)	6911157	100.000	99.3
	95 1,2-Dichlorobenzene	146	18.153	18.152	(1.036)	2736703	100.000	99.9
	96 1,2-Dibromo-3-Chloropropane	75	19.350	19.349	(1.105)	288338	100.000	111
	97 1,3,5-Trichlorobenzene	180	19.397	19.384	(1.107)	2059341	100.000	102
	98 Hexachlorobutadiene	225	20.315	20.313	(1.160)	844221	100.000	106
	99 1,2,4-Trichlorobenzene	180	20.384	20.383	(1.164)	1764689	100.000	104
	100 1,2,3-Trimethylbenzene	105	17.561	17.559	(1.003)	4888294	100.000	102
	101 Naphthalene	128	20.896	20.895	(1.193)	3301309	100.000	116
	102 1,2,3-Trichlorobenzene	180	21.175	21.173	(1.209)	1536370	100.000	106
	103 Methyl Acetate	43	6.242	6.241	(0.617)	1461103	100.000	102
	104 Methylcyclohexane	83	10.681	10.680	(1.055)	2774879	100.000	107
M	153 Total Alkylbenzenes	100				39827936	100.000	712

QC Flag Legend

M - Compound response manually integrated.

Data File: \\target_server\GC\chem\gcms-t.i\T032608.b\T9809.D
Date : 26-MAR-2008 11:48
Client ID:
Sample Info: VSTD100T26A
Purge Volume: 5.0
Column phase: RTX-VMS

Instrument: gcms-t.i
Operator: HCG
Column diameter: 0.18



Data File: \\target_server\GG\chem\gcms-t.i\T032608.b\T9810.D
Report Date: 26-Mar-2008 15:25

Katahdin Analytical Services

Data file : \\target_server\GG\chem\gcms-t.i\T032608.b\T9810.D
Lab Smp Id: VSTD050T26C
Inj Date : 26-MAR-2008 12:20
Operator : HCG Inst ID: gcms-t.i
Smp Info : VSTD050T26C
Misc Info : SW846 8260B
Comment :
Method : \\target_server\GG\chem\gcms-t.i\T032608.b\T826a80.m
Meth Date : 26-Mar-2008 15:25 hgroshong Quant Type: ISTD
Cal Date : 17-MAR-2008 10:01 Cal File: T9673.D
Als bottle: 5 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.12

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	sample purged
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	ON-COL (ug/l)	
1 Dichlorodifluoromethane	85	2.557	2.557	(0.253)	855979	50.0000		(a)
2 Chloromethane	50	2.859	2.859	(0.282)	1346680	50.0000		(aH)
3 Vinyl chloride	62	2.963	2.964	(0.293)	970849	50.0000		(a)
4 Bromomethane	94	3.451	3.452	(0.341)	505518	50.0000		(a)
5 Chloroethane	64	3.649	3.649	(0.361)	274553	50.0000		(a)
6 Trichlorofluoromethane	101	3.847	3.847	(0.380)	930675	50.0000		(a)
7 Diethyl Ether	59	4.393	4.393	(0.434)	535990	50.0000		(a)
8 Tertiary-butyl alcohol	59	6.763	6.764	(0.668)	285410	250.000		(a)
9 1,1-Dichloroethene	96	4.695	4.695	(0.464)	595436	50.0000		(a)
10 Carbon Disulfide	76	4.730	4.730	(0.467)	1445405	50.0000		(a)
11 Freon-113	151	4.776	4.777	(0.472)	438718	50.0000		(a)
12 Iodomethane	142	4.950	4.951	(0.489)	474969	50.0000		(a)
13 Acrolein	56	5.369	5.369	(0.530)	677487	250.000		(a)
14 Methylene Chloride	84	5.810	5.811	(0.574)	948039	50.0000		(a)
15 Acetone	43	5.985	5.985	(0.591)	1440917	250.000		(a)
16 Isobutyl Alcohol	43	10.354	10.355	(1.023)	574971	1000.00		(a)
17 trans-1,2-Dichloroethene	96	6.124	6.125	(0.605)	869372	50.0000		(a)
18 Allyl Chloride	41	5.590	5.590	(0.552)	1051428	50.0000		(a)
19 Methyl tert-butyl ether	73	6.415	6.415	(0.634)	2910954	100.000		(a)
20 Acetonitrile	39	7.019	7.019	(0.693)	227973	500.000		(a)
21 Di-isopropyl ether	45	7.321	7.322	(0.723)	3390457	50.0000		(a)
22 Chloroprene	53	7.484	7.484	(0.739)	1234187	50.0000		(a)
23 Propionitrile	54	10.064	10.064	(0.994)	899673	500.000		(a)
24 Methacrylonitrile	41	10.087	10.087	(0.997)	4605839	500.000		(a)

Data File: \\target_server\GG\chem\gcms-t.i\T032608.b\T9810.D
Report Date: 26-Mar-2008 15:25

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)	
	25 1,1-Dichloroethane	63	7.542	7.542	(0.745)	1521887	50.0000		(a)
	26 Acrylonitrile	52	7.728	7.728	(0.764)	1139897	250.000		(a)
	27 Ethyl tertiary-butyl ether	59	8.146	8.147	(0.805)	2409507	50.0000		(a)
	28 Vinyl Acetate	43	8.181	8.182	(0.760)	2072665	50.0000		(a)
	29 cis-1,2-Dichloroethene	96	8.669	8.670	(0.856)	936432	50.0000		(a)
M	30 1,2-Dichloroethylene (total)	96				1805804	50.0000		(a)
	31 Methyl Methacrylate	41	11.586	11.586	(1.077)	688664	50.0000		(a)
	32 2,2-Dichloropropane	77	8.855	8.856	(0.875)	800454	50.0000		(a)
	33 Bromochloromethane	128	9.018	9.018	(0.891)	805639	50.0000		(a)
	34 Chloroform	83	9.157	9.158	(0.905)	1350131	50.0000		(a)
	35 Carbon Tetrachloride	117	9.320	9.320	(0.866)	531409	50.0000		(a)
	36 Tetrahydrofuran	42	9.401	9.402	(0.929)	1127408	250.000		(a)
$	37 Dibromofluoromethane	113	9.436	9.437	(0.932)	842802	50.0000		(a)
	38 1,1,1-Trichloroethane	97	9.436	9.437	(0.932)	1048735	50.0000		(a)
	39 1,1-Dichloropropene	75	9.622	9.622	(0.894)	1067950	50.0000		(a)
	40 2-Butanone	43	9.657	9.657	(0.954)	1910430	250.000		(a)
	41 Benzene	78	9.971	9.971	(0.927)	3222409	50.0000		(a)
*	42 Pentafluorobenzene	168	10.122	10.122	(1.000)	1232835	50.0000		
	43 Cyclohexane	56	8.971	8.972	(0.886)	1330400	50.0000		(a)
	44 Ethyl Methacrylate	69	13.143	13.144	(1.221)	881618	50.0000		(a)
$	45 1,2-Dichloroethane-D4	65	10.168	10.169	(1.005)	769449	50.0000		(a)
	46 Tertiary-amyl methyl ether	73	10.157	10.157	(1.003)	1932517	50.0000		(a)
	47 1,2-Dichloroethane	62	10.261	10.262	(0.954)	952231	50.0000		(a)
	48 Trichloroethene	95	10.714	10.715	(0.996)	831641	50.0000		(a)
*	49 1,4-Difluorobenzene	114	10.761	10.761	(1.000)	2048763	50.0000		
	50 Dibromomethane	93	11.202	11.203	(1.041)	477953	50.0000		(a)
	51 1,2-Dichloropropane	63	11.319	11.319	(1.052)	834125	50.0000		(a)
	52 Bromodichloromethane	83	11.388	11.389	(1.058)	1015078	50.0000		(a)
	53 cis-1,3-dichloropropene	75	12.144	12.144	(1.129)	1237516	50.0000		(a)
	54 1,4-Dioxane	88	11.644	11.644	(1.082)	144222	1000.00		(a)
$	55 Toluene-D8	98	12.364	12.365	(1.149)	2646137	50.0000		(a)
	56 2-Chloroethylvinylether	63	12.074	12.074	(1.122)	90453	50.0000		(a)
	57 Toluene	92	12.434	12.435	(1.155)	1987747	50.0000		(a)
	58 4-methyl-2-pentanone	43	12.922	12.923	(1.201)	3567271	250.000		(a)
	59 Tetrachloroethene	164	12.899	12.900	(0.900)	686015	50.0000		(a)
	60 trans-1,3-Dichloropropene	75	12.957	12.958	(1.204)	934840	50.0000		(a)
	61 1,1,2-Trichloroethane	83	13.166	13.167	(1.224)	525619	50.0000		(a)
	62 Dibromochloromethane	129	13.387	13.388	(0.934)	746970	50.0000		(a)
	63 1,3-Dichloropropane	76	13.503	13.504	(0.942)	1153576	50.0000		(a)
	64 1,2-Dibromoethane	107	13.689	13.690	(1.272)	688692	50.0000		(a)
	65 2-Hexanone	43	13.956	13.957	(0.974)	2577397	250.000		(a)
*	66 Chlorobenzene-D5	117	14.328	14.329	(1.000)	1686361	50.0000		
	67 Chlorobenzene	112	14.352	14.352	(1.002)	2022729	50.0000		(a)
	152 1-Chlorohexane	91	14.305	14.306	(1.413)	1269235	50.0000		(a)
	68 Ethylbenzene	106	14.375	14.375	(1.003)	1074942	50.0000		(a)
	69 1,1,1,2-Tetrachloroethane	131	14.433	14.433	(1.007)	682456	50.0000		(a)
M	70 Xylenes (total)	106				3954164	150.000		(a)
	71 m+p-Xylenes	106	14.561	14.561	(1.016)	2652687	100.000		(a)
	72 o-Xylene	106	15.130	15.131	(1.056)	1301477	50.0000		(a)
	73 Styrene	104	15.200	15.200	(1.061)	2264996	50.0000		(a)
	74 Bromoform	173	15.258	15.259	(1.065)	516623	50.0000		(a)
	75 Isopropylbenzene	105	15.537	15.537	(0.887)	2999197	50.0000		(aH)
$	76 P-Bromofluorobenzene	95	15.944	15.944	(1.482)	1056248	50.0000		(a)
	77 cis-1,4-Dichloro-2-Butene	53	16.037	16.037	(0.916)	211370	50.0000		(a)

Data File: \\target_server\GG\chem\gcms-t.i\T032608.b\T9810.D
Report Date: 26-Mar-2008 15:25

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)	
78 trans-1,4-Dichloro-2-Butene	53	16.467	16.466	(0.940)	213707	50.0000		(a)
79 Bromobenzene	156	16.095	16.094	(0.919)	849878	50.0000		(a)
80 N-Propylbenzene	91	16.106	16.107	(0.920)	3922432	50.0000		(a)
81 1,1,2,2-Tetrachloroethane	83	16.211	16.210	(0.926)	765568	50.0000		(a)
82 1,3,5-Trimethylbenzene	105	16.374	16.373	(0.935)	2678093	50.0000		(a)
83 2-Chlorotoluene	91	16.339	16.338	(0.933)	2625513	50.0000		(a)
84 1,2,3-Trichloropropane	75	16.420	16.421	(0.938)	576166	50.0000		(a)
85 4-Chlorotoluene	91	16.571	16.572	(0.946)	2393089	50.0000		(a)
86 tert-Butylbenzene	119	16.827	16.827	(0.961)	2296723	50.0000		(a)
87 Pentachloroethane	117	16.873	16.873	(0.964)	495516	50.0000		(a)
88 1,2,4-Trimethylbenzene	105	16.920	16.920	(0.966)	2757158	50.0000		(a)
89 P-Isopropyltoluene	119	17.280	17.280	(0.987)	2835730	50.0000		(a)
90 1,3-Dichlorobenzene	146	17.408	17.408	(0.994)	1581510	50.0000		(a)
* 91 1,4-Dichlorobenzene-D4	152	17.512	17.513	(1.000)	864264	50.0000		
92 1,4-Dichlorobenzene	146	17.536	17.536	(1.001)	1530660	50.0000		(a)
93 N-Butylbenzene	91	17.896	17.896	(1.022)	2664876	50.0000		(a)
94 sec-Butylbenzene	105	17.082	17.082	(0.975)	3658552	50.0000		(a)
95 1,2-Dichlorobenzene	146	18.152	18.152	(1.036)	1423120	50.0000		(a)
96 1,2-Dibromo-3-Chloropropane	75	19.348	19.349	(1.105)	108094	50.0000		(a)
97 1,3,5-Trichlorobenzene	180	19.383	19.384	(1.107)	1011513	50.0000		(a)
98 Hexachlorobutadiene	225	20.313	20.313	(1.160)	426505	50.0000		(a)
99 1,2,4-Trichlorobenzene	180	20.383	20.383	(1.164)	869857	50.0000		(a)
100 1,2,3-Trimethylbenzene	105	17.559	17.559	(1.003)	2545776	50.0000		(a)
101 Naphthalene	128	20.894	20.895	(1.193)	1505226	50.0000		(a)
102 1,2,3-Trichlorobenzene	180	21.173	21.173	(1.209)	761745	50.0000		(a)
103 Methyl Acetate	43	6.240	6.241	(0.617)	691745	50.0000		(a)
104 Methylcyclohexane	83	10.679	10.680	(1.055)	1346688	50.0000		(a)
M 153 Total Alkylbenzenes	100				20813564	50.0000		(a)

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
H - Operator selected an alternate compound hit.

Data File: \\target_server\GG\chem\gcms-t.i\T032608.b\T9810.D
Report Date: 26-Mar-2008 15:25

Katahdin Analytical Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcms-t.i
Lab File ID: T9810.D
Lab Smp Id: VSTD050T26C
Analysis Type: VOA
Quant Type: ISTD
Operator: HCG
Method File: \\target_server\GG\chem\gcms-t.i\T032608.b\T826a80.m
Misc Info: SW846 8260B

Calibration Date: 26-MAR-2008
Calibration Time: 12:20

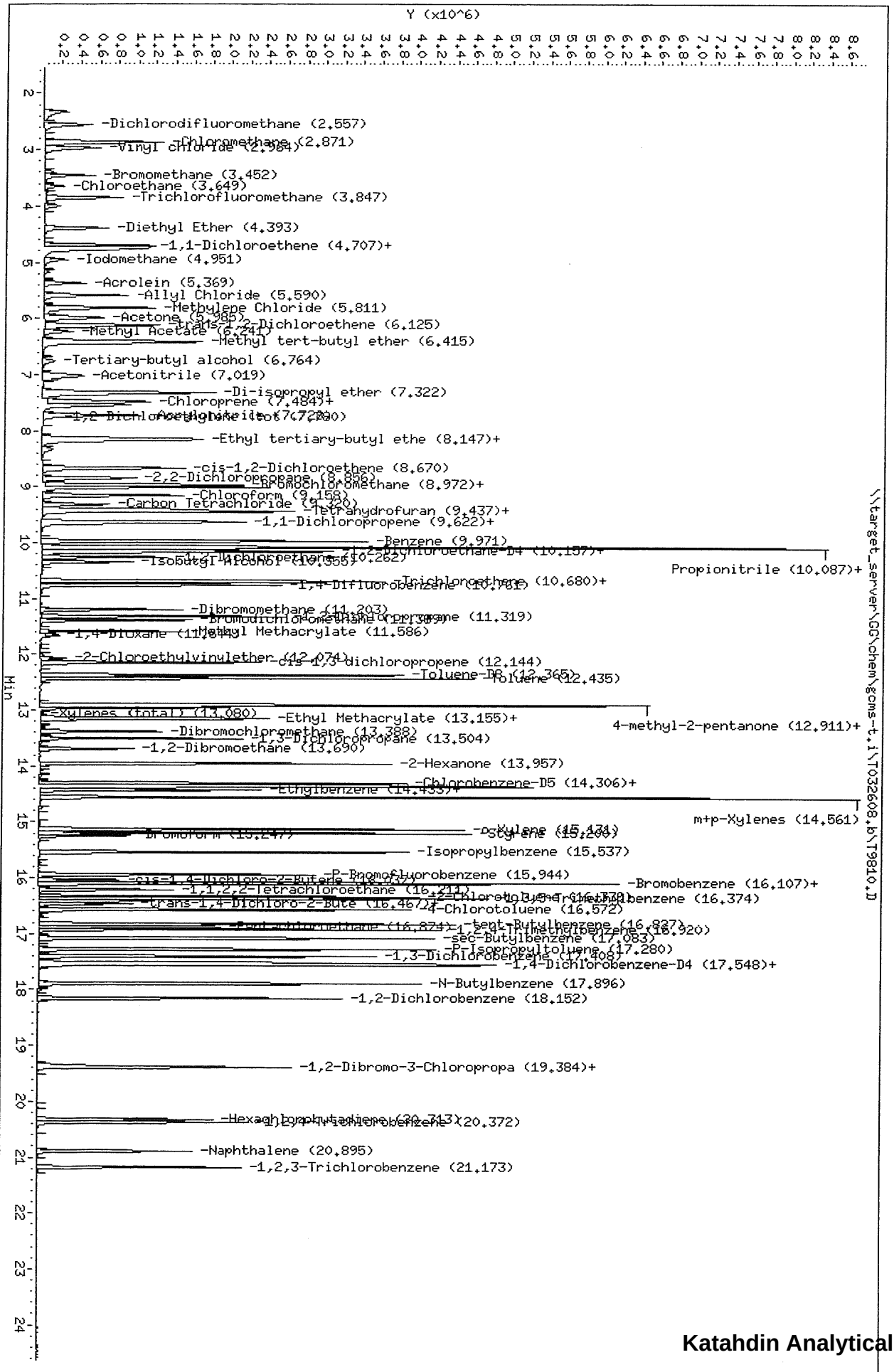
Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 4

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	1232835	616418	2465670	1232835	0.00
49 1,4-Difluorobenze	2048763	1024382	4097526	2048763	0.00
66 Chlorobenzene-D5	1686361	843181	3372722	1686361	0.00
91 1,4-Dichlorobenze	864264	432132	1728528	864264	0.00

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	10.12	9.62	10.62	10.12	0.00
49 1,4-Difluorobenze	10.76	10.26	11.26	10.76	0.00
66 Chlorobenzene-D5	14.33	13.83	14.83	14.33	0.00
91 1,4-Dichlorobenze	17.51	17.01	18.01	17.51	0.00

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.


Data File: \\target_server\GC\chem\gcms-t.i\T032608.b\T9810.D
Date : 26-MAR-2008 12:20
Client ID:
Sample Info: VSTD050T26C
Purge Volume: 5.0
Column phase: RTX-VMS
Instrument: gcms-t.i
Operator: HCG
Column diameter: 0.18
Y (x10^6)
Min
-Dichlorodifluoromethane (2.557)
-Chloromethane (2.871)
-Vinyl chloride (2.984)
-Bromomethane (3.452)
-Chloroethane (3.649)
-Trichlorofluoromethane (3.847)
-Diethyl Ether (4.393)
-1,1-Dichloroethene (4.707)+
-Iodomethane (4.951)
-Acrolein (5.369)
-Allyl Chloride (5.590)
-Methylene Chloride (5.811)
-Acetone (5.985)
-trans-1,2-Dichloroethene (6.125)
-Methyl Acetate (6.241)
-Methyl tert-butyl ether (6.415)
-Tertiary-butyl alcohol (6.764)
-Acetonitrile (7.019)
-Di-isopropyl ether (7.322)
-Chloroprene (7.484)+
-Ethyl tertiary-butyl ethe (8.147)+
-cis-1,2-Dichloroethene (8.670)
-2,2-Dichloropropane (8.896)
-Bromochloromethane (8.972)+
-Chloroform (9.158)
-Carbon Tetrachloride (9.320)
-Tetrahydrofuran (9.437)+
-1,1-Dichloropropene (9.622)+
-Benzene (9.971)
-1,2-Dichloroethane-D4 (10.157)+
-Isobutyl Alcohol (10.555)
Propionitrile (10.087)+
-1,4-Difluorobenzene (10.681)
-Trichloroethene (10.680)+
-Dibromomethane (11.203)
-Bromodichloromethane (11.383)
-1,4-Dioxane (11.319)
-Methyl Methacrylate (11.586)
-2-Chloroethylvinylether (12.074)
-cis-1,3-dichloropropene (12.144)
-Toluene-D8 (12.365)
-Toluene (12.435)
-Xylenes (total) (13.080)
-Ethyl Methacrylate (13.155)+
4-methyl-2-pentanone (12.911)+
-Dibromochloromethane (13.388)
-1,3-Dichloropropane (13.504)
-1,2-Dibromoethane (13.690)
-2-Hexanone (13.957)
-Chlorobenzene-D5 (14.306)+
-Ethylbenzene (14.433)+
m+p-Xylenes (14.561)
-o-Xylene (15.134)
-Bromoform (15.247)
-Styrene (15.200)
-Isopropylbenzene (15.537)
-cis-1,4-Dichloro-2-Butene (15.747)
-P-Bromofluorobenzene (15.944)
-1,1,2,2-Tetrachloroethane (16.211)
-Bromobenzene (16.107)+
-2-Chlorotoluene (16.330)
-trans-1,4-Dichloro-2-Bute (16.467)
-1,3,5-Trimethylbenzene (16.374)
-4-Chlorotoluene (16.572)
-Pentachloroethane (16.874)
-tert-Butylbenzene (16.837)
-1,2,4-Trimethylbenzene (16.920)
-sec-Butylbenzene (17.083)
-P-Isopropyltoluene (17.280)
-1,3-Dichlorobenzene (17.408)
-1,4-Dichlorobenzene-D4 (17.548)+
-N-Butylbenzene (17.896)
-1,2-Dichlorobenzene (18.152)
-1,2-Dibromo-3-Chloropropa (19.384)+
-Hexachlorobutadiene (20.313)
-1,2,4-Trichlorobenzene (20.372)
-Naphthalene (20.895)
-1,2,3-Trichlorobenzene (21.173)

Data File: \\target_server\GG\chem\gcms-t.i\T032608.b\T9811.D
Report Date: 26-Mar-2008 15:25

Katahdin Analytical Services

Data file : \\target_server\GG\chem\gcms-t.i\T032608.b\T9811.D
Lab Smp Id: VSTD020T26A
Inj Date : 26-MAR-2008 12:52
Operator : HCG Inst ID: gcms-t.i
Smp Info : VSTD020T26A
Misc Info : SW846 8260B
Comment :
Method : \\target_server\GG\chem\gcms-t.i\T032608.b\T826a80.m
Meth Date : 26-Mar-2008 15:25 hgroshong Quant Type: ISTD
Cal Date : 26-MAR-2008 12:52 Cal File: T9811.D
Als bottle: 6 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.12
Processing Host: V200T1

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	sample purged
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)
1 Dichlorodifluoromethane	85	2.554	2.557	(0.252)	303682	20.0000	17.0
2 Chloromethane	50	2.868	2.859	(0.283)	487255	20.0000	17.4
3 Vinyl chloride	62	2.961	2.964	(0.293)	346002	20.0000	17.1
4 Bromomethane	94	3.461	3.452	(0.342)	184082	20.0000	17.9
5 Chloroethane	64	3.646	3.649	(0.360)	117799	20.0000	20.9
6 Trichlorofluoromethane	101	3.856	3.847	(0.381)	336830	20.0000	18.7
7 Diethyl Ether	59	4.390	4.393	(0.434)	205470	20.0000	18.2
8 Tertiary-butyl alcohol	59	6.761	6.764	(0.668)	98061	100.000	77.7
9 1,1-Dichloroethene	96	4.704	4.695	(0.465)	210642	20.0000	17.4
10 Carbon Disulfide	76	4.739	4.730	(0.468)	525907	20.0000	18.1
11 Freon-113	151	4.774	4.777	(0.472)	163530	20.0000	17.8
12 Iodomethane	142	4.960	4.951	(0.490)	173407	20.0000	18.7
13 Acrolein	56	5.366	5.369	(0.530)	262541	100.000	91.1
14 Methylene Chloride	84	5.808	5.811	(0.574)	352929	20.0000	18.1
15 Acetone	43	5.982	5.985	(0.591)	491989	100.000	85.4
16 Isobutyl Alcohol	43	10.352	10.355	(1.023)	211970	400.000	348
17 trans-1,2-Dichloroethene	96	6.133	6.125	(0.606)	319633	20.0000	17.8
18 Allyl Chloride	41	5.587	5.590	(0.552)	366432	20.0000	15.1
19 Methyl tert-butyl ether	73	6.412	6.415	(0.634)	1185401	40.0000	37.9
20 Acetonitrile	39	7.016	7.019	(0.693)	83738	200.000	204
21 Di-isopropyl ether	45	7.319	7.322	(0.723)	1302509	20.0000	18.6
22 Chloroprene	53	7.481	7.484	(0.739)	473310	20.0000	18.3
23 Propionitrile	54	10.061	10.064	(0.994)	368467	200.000	204

Data File: \\target_server\GG\chem\gcms-t.i\T032608.b\T9811.D
Report Date: 26-Mar-2008 15:25

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)
	24 Methacrylonitrile	41	10.084	10.087	(0.997)	1947333	200.000	214
	25 1,1-Dichloroethane	63	7.551	7.542	(0.746)	556840	20.0000	18.0
	26 Acrylonitrile	52	7.725	7.728	(0.763)	444137	100.000	92.6
	27 Ethyl tertiary-butyl ether	59	8.144	8.147	(0.805)	971115	20.0000	19.3
	28 Vinyl Acetate	43	8.179	8.182	(0.759)	781284	20.0000	18.9
	29 cis-1,2-Dichloroethene	96	8.678	8.670	(0.858)	345047	20.0000	18.1
M	30 1,2-Dichloroethylene (total)	96				664680	20.0000	35.8
	31 Methyl Methacrylate	41	11.583	11.586	(1.076)	262450	20.0000	18.8
	32 2,2-Dichloropropane	77	8.853	8.856	(0.875)	285439	20.0000	16.1
	33 Bromochloromethane	128	9.015	9.018	(0.891)	299837	20.0000	18.6
	34 Chloroform	83	9.155	9.158	(0.905)	502472	20.0000	18.4
	35 Carbon Tetrachloride	117	9.317	9.320	(0.865)	164315	20.0000	18.4
	36 Tetrahydrofuran	42	9.399	9.402	(0.929)	420452	100.000	92.0
$	37 Dibromofluoromethane	113	9.434	9.437	(0.932)	323005	20.0000	18.9
	38 1,1,1-Trichloroethane	97	9.445	9.437	(0.933)	380096	20.0000	18.0
	39 1,1-Dichloropropene	75	9.619	9.622	(0.893)	385093	20.0000	18.4
	40 2-Butanone	43	9.654	9.657	(0.954)	696047	100.000	90.4
	41 Benzene	78	9.980	9.971	(0.927)	1207413	20.0000	19.6
*	42 Pentafluorobenzene	168	10.119	10.122	(1.000)	1259481	50.0000	
	43 Cyclohexane	56	8.969	8.972	(0.886)	477281	20.0000	17.6
	44 Ethyl Methacrylate	69	13.141	13.144	(1.220)	337936	20.0000	19.3
$	45 1,2-Dichloroethane-D4	65	10.166	10.169	(1.005)	305388	20.0000	19.4
	46 Tertiary-amyl methyl ether	73	10.154	10.157	(1.003)	779873	20.0000	19.7
	47 1,2-Dichloroethane	62	10.259	10.262	(0.953)	354489	20.0000	19.1
	48 Trichloroethene	95	10.712	10.715	(0.995)	316497	20.0000	19.9
*	49 1,4-Difluorobenzene	114	10.770	10.761	(1.000)	2083576	50.0000	
	50 Dibromomethane	93	11.200	11.203	(1.040)	183643	20.0000	19.5
	51 1,2-Dichloropropane	63	11.316	11.319	(1.051)	311641	20.0000	19.3
	52 Bromodichloromethane	83	11.397	11.389	(1.058)	366900	20.0000	18.6
	53 cis-1,3-dichloropropene	75	12.141	12.144	(1.127)	448674	20.0000	18.6
	54 1,4-Dioxane	88	11.641	11.644	(1.081)	55035	400.000	379
$	55 Toluene-D8	98	12.374	12.365	(1.149)	1043454	20.0000	20.6
	56 2-Chloroethylvinylether	63	12.071	12.074	(1.121)	44098	20.0000	18.6
	57 Toluene	92	12.432	12.435	(1.154)	746771	20.0000	19.7
	58 4-methyl-2-pentanone	43	12.920	12.923	(1.200)	1441598	100.000	107
	59 Tetrachloroethene	164	12.908	12.900	(0.901)	246848	20.0000	19.0
	60 trans-1,3-Dichloropropene	75	12.955	12.958	(1.203)	339349	20.0000	18.4
	61 1,1,2-Trichloroethane	83	13.164	13.167	(1.222)	201052	20.0000	19.6
	62 Dibromochloromethane	129	13.385	13.388	(0.934)	272537	20.0000	18.2
	63 1,3-Dichloropropane	76	13.501	13.504	(0.942)	427223	20.0000	18.8
	64 1,2-Dibromoethane	107	13.687	13.690	(1.271)	257471	20.0000	19.1
	65 2-Hexanone	43	13.954	13.957	(0.974)	985662	100.000	98.0
*	66 Chlorobenzene-D5	117	14.326	14.329	(1.000)	1707377	50.0000	
	67 Chlorobenzene	112	14.349	14.352	(1.002)	767132	20.0000	19.9
	152 1-Chlorohexane	91	14.303	14.306	(1.413)	461986	20.0000	18.2
	68 Ethylbenzene	106	14.372	14.375	(1.003)	404072	20.0000	19.4
	69 1,1,1,2-Tetrachloroethane	131	14.430	14.433	(1.007)	250178	20.0000	18.5
M	70 Xylenes (total)	106				1492075	60.0000	59.9
	71 m+p-Xylenes	106	14.558	14.561	(1.016)	1010004	40.0000	40.9
	72 o-Xylene	106	15.128	15.131	(1.056)	482071	20.0000	19.0
	73 Styrene	104	15.197	15.200	(1.061)	833297	20.0000	19.3
	74 Bromoform	173	15.255	15.259	(1.065)	186084	20.0000	18.2
	75 Isopropylbenzene	105	15.546	15.537	(0.888)	1104378	20.0000	20.1
$	76 P-Bromofluorobenzene	95	15.941	15.944	(1.480)	401735	20.0000	19.7

Data File: \\target_server\GG\chem\gcms-t.i\T032608.b\T9811.D
Report Date: 26-Mar-2008 15:25

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)
77	cis-1,4-Dichloro-2-Butene	53	16.034	16.037	(0.916)	76440	20.0000	17.3
78	trans-1,4-Dichloro-2-Butene	53	16.464	16.466	(0.940)	78132	20.0000	17.9
79	Bromobenzene	156	16.092	16.094	(0.919)	322533	20.0000	20.5
80	N-Propylbenzene	91	16.104	16.107	(0.920)	1491257	20.0000	21.1
81	1,1,2,2-Tetrachloroethane	83	16.208	16.210	(0.926)	287370	20.0000	19.4
82	1,3,5-Trimethylbenzene	105	16.371	16.373	(0.935)	995161	20.0000	20.3
83	2-Chlorotoluene	91	16.336	16.338	(0.933)	983563	20.0000	20.2
84	1,2,3-Trichloropropane	75	16.418	16.421	(0.938)	215931	20.0000	19.1
85	4-Chlorotoluene	91	16.569	16.572	(0.946)	891727	20.0000	20.0
86	tert-Butylbenzene	119	16.824	16.827	(0.961)	892793	20.0000	20.1
87	Pentachloroethane	117	16.871	16.873	(0.963)	191284	20.0000	19.0
88	1,2,4-Trimethylbenzene	105	16.929	16.920	(0.967)	1006473	20.0000	20.0
89	P-Isopropyltoluene	119	17.277	17.280	(0.987)	1026798	20.0000	19.7
90	1,3-Dichlorobenzene	146	17.405	17.408	(0.994)	583596	20.0000	19.9
* 91	1,4-Dichlorobenzene-D4	152	17.510	17.513	(1.000)	859974	50.0000	
92	1,4-Dichlorobenzene	146	17.533	17.536	(1.001)	574909	20.0000	20.4
93	N-Butylbenzene	91	17.893	17.896	(1.022)	948275	20.0000	19.3
94	sec-Butylbenzene	105	17.080	17.082	(0.975)	1346364	20.0000	20.2
95	1,2-Dichlorobenzene	146	18.149	18.152	(1.037)	528747	20.0000	19.9
96	1,2-Dibromo-3-Chloropropane	75	19.346	19.349	(1.105)	51872	20.0000	21.0
97	1,3,5-Trichlorobenzene	180	19.392	19.384	(1.108)	382147	20.0000	19.7
98	Hexachlorobutadiene	225	20.322	20.313	(1.161)	164808	20.0000	18.4
99	1,2,4-Trichlorobenzene	180	20.380	20.383	(1.164)	309871	20.0000	18.7
100	1,2,3-Trimethylbenzene	105	17.556	17.559	(1.003)	988797	20.0000	20.8
101	Naphthalene	128	20.891	20.895	(1.193)	512321	20.0000	17.2
102	1,2,3-Trichlorobenzene	180	21.170	21.173	(1.209)	278111	20.0000	19.1
103	Methyl Acetate	43	6.238	6.241	(0.616)	264529	20.0000	17.9
104	Methylcyclohexane	83	10.677	10.680	(1.055)	520422	20.0000	18.9
M 153	Total Alkylbenzenes	100				7707121	20.0000	141

Data File: \\target_server\GG\chem\gcms-t.i\T032608.b\T9811.D
Report Date: 26-Mar-2008 15:25

Katahdin Analytical Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcms-t.i
Lab File ID: T9811.D
Lab Smp Id: VSTD020T26A
Analysis Type: VOA
Quant Type: ISTD
Operator: HCG
Method File: \\target_server\GG\chem\gcms-t.i\T032608.b\T826a80.m
Misc Info: SW846 8260B

Calibration Date: 26-MAR-2008
Calibration Time: 12:20

Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 4

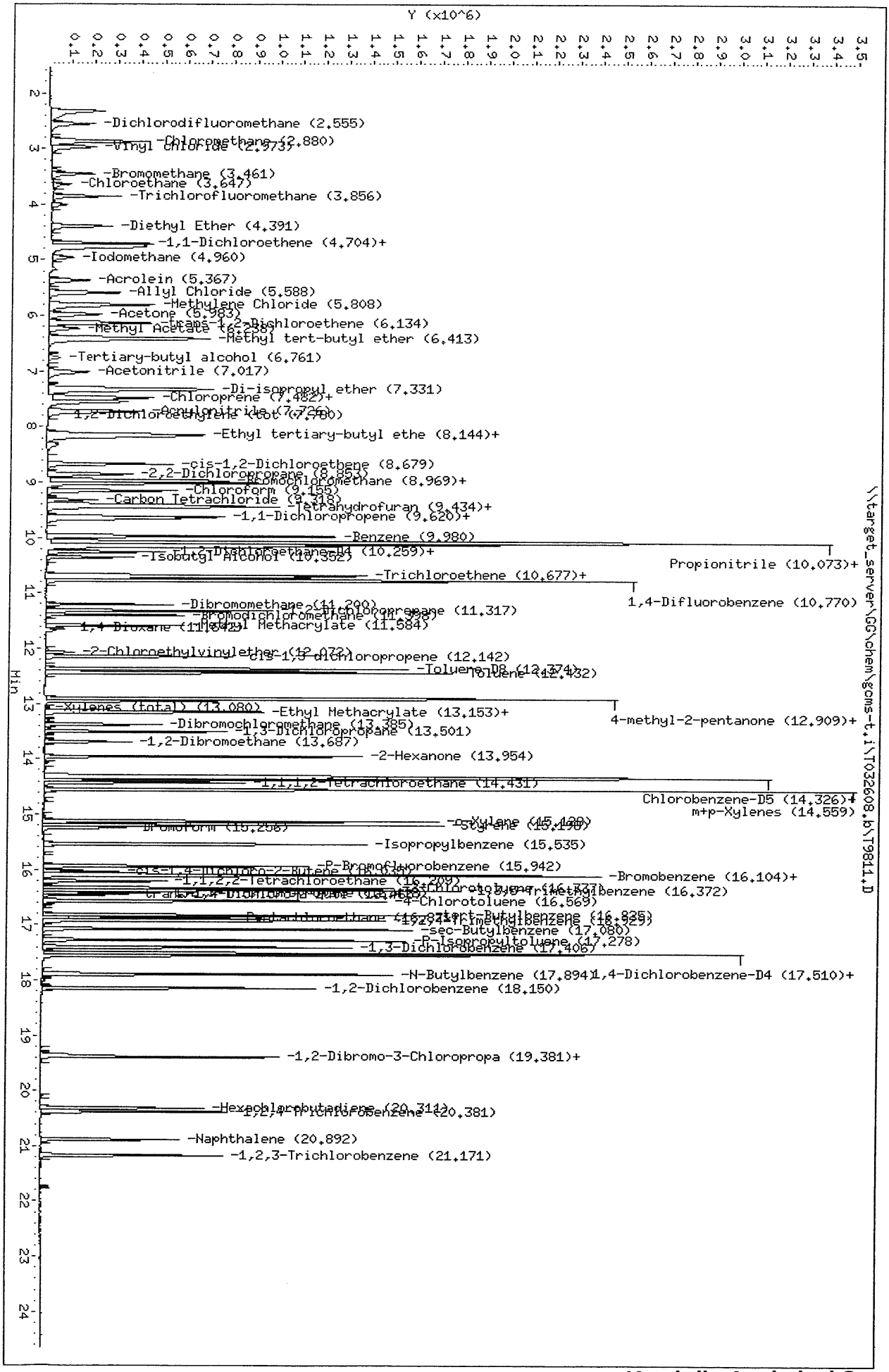
COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	1232835	616418	2465670	1259481	2.16
49 1,4-Difluorobenze	2048763	1024382	4097526	2083576	1.70
66 Chlorobenzene-D5	1686361	843181	3372722	1707377	1.25
91 1,4-Dichlorobenze	864264	432132	1728528	859974	-0.50

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	10.12	9.62	10.62	10.12	-0.02
49 1,4-Difluorobenze	10.76	10.26	11.26	10.77	0.08
66 Chlorobenzene-D5	14.33	13.83	14.83	14.33	-0.02
91 1,4-Dichlorobenze	17.51	17.01	18.01	17.51	-0.01

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.

Data File: \\target_server\GC\chem\gcms-t.i\T032608.b\T9811.D
Date : 26-MAR-2008 12:52
Client ID:
Sample Info: VSTD020T26A
Purge Volume: 5.0
Column phase: RTX-VMS

Instrument: gcms-t.i
Operator: HCG
Column diameter: 0.18



Data File: \\target_server\GG\chem\gcms-t.i\T032608.b\T9812.D
Report Date: 26-Mar-2008 15:26

Katahdin Analytical Services

Data file : \\target_server\GG\chem\gcms-t.i\T032608.b\T9812.D
Lab Smp Id: VSTD005T26A
Inj Date : 26-MAR-2008 13:24 MS Autotune Date: 05-MAR-2008 13:3
Operator : HCG Inst ID: gcms-t.i
Smp Info : VSTD005T26A
Misc Info : SW846 8260B
Comment :
Method : \\target_server\GG\chem\gcms-t.i\T032608.b\T826a80.m
Meth Date : 26-Mar-2008 15:25 hgroshong Quant Type: ISTD
Cal Date : 26-MAR-2008 13:24 Cal File: T9812.D
Als bottle: 7 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.12
Processing Host: V200T1

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	sample purged
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)
1 Dichlorodifluoromethane	85	2.553	2.557	(0.252)	64103	5.00000	3.8
2 Chloromethane	50	2.867	2.859	(0.283)	108656	5.00000	4.1
3 Vinyl chloride	62	2.971	2.964	(0.294)	78595	5.00000	4.1
4 Bromomethane	94	3.459	3.452	(0.342)	41587	5.00000	4.2
5 Chloroethane	64	3.657	3.649	(0.361)	32293	5.00000	5.6
6 Trichlorofluoromethane	101	3.866	3.847	(0.382)	71224	5.00000	4.2
7 Diethyl Ether	59	4.389	4.393	(0.434)	48064	5.00000	4.4
8 Tertiary-butyl alcohol	59	6.760	6.764	(0.668)	20785	25.0000	17.8
9 1,1-Dichloroethene	96	4.703	4.695	(0.465)	47728	5.00000	4.2
10 Carbon Disulfide	76	4.738	4.730	(0.468)	121367	5.00000	4.3
11 Freon-113	151	4.772	4.777	(0.472)	35920	5.00000	4.1
12 Iodomethane	142	4.958	4.951	(0.490)	37895	5.00000	4.3
13 Acrolein	56	5.377	5.369	(0.531)	60045	25.0000	21.7
14 Methylene Chloride	84	5.818	5.811	(0.575)	82942	5.00000	4.4(a)
15 Acetone	43	5.981	5.985	(0.591)	126223	25.0000	22.6
16 Isobutyl Alcohol	43	10.350	10.355	(1.023)	50528	100.000	86.6
17 trans-1,2-Dichloroethene	96	6.132	6.125	(0.606)	73440	5.00000	4.3
18 Allyl Chloride	41	5.597	5.590	(0.553)	78054	5.00000	3.5
19 Methyl tert-butyl ether	73	6.423	6.415	(0.635)	285065	10.0000	9.4
20 Acetonitrile	39	7.027	7.019	(0.695)	20244	50.0000	75.8
21 Di-isopropyl ether	45	7.329	7.322	(0.724)	300399	5.00000	4.5
22 Chloroprene	53	7.480	7.484	(0.739)	104700	5.00000	4.2
23 Propionitrile	54	10.060	10.064	(0.994)	94956	50.0000	52.5

Data File: \\target_server\GG\chem\gcms-t.i\T032608.b\T9812.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 Methacrylonitrile	41	10.083	10.087	(0.997)	484646	50.0000	53.0
	25 1,1-Dichloroethane	63	7.550	7.542	(0.746)	124434	5.00000	4.2
	26 Acrylonitrile	52	7.724	7.728	(0.763)	109991	25.0000	23.5
	27 Ethyl tertiary-butyl ether	59	8.142	8.147	(0.805)	222902	5.00000	4.6
	28 Vinyl Acetate	43	8.177	8.182	(0.759)	166971	5.00000	4.2
	29 cis-1,2-Dichloroethene	96	8.677	8.670	(0.858)	77904	5.00000	4.3
M	30 1,2-Dichloroethylene (total)	96				151344	5.00000	8.5
	31 Methyl Methacrylate	41	11.582	11.586	(1.076)	59844	5.00000	4.5
	32 2,2-Dichloropropane	77	8.851	8.856	(0.875)	58190	5.00000	3.6
	33 Bromochloromethane	128	9.014	9.018	(0.891)	72549	5.00000	4.6
	34 Chloroform	83	9.153	9.158	(0.905)	113930	5.00000	4.3
	35 Carbon Tetrachloride	117	9.328	9.320	(0.866)	27979	5.00000	7.7
	36 Tetrahydrofuran	42	9.409	9.402	(0.930)	99913	25.0000	22.6
$	37 Dibromofluoromethane	113	9.444	9.437	(0.933)	81335	5.00000	4.8
	38 1,1,1-Trichloroethane	97	9.444	9.437	(0.933)	83199	5.00000	4.2
	39 1,1-Dichloropropene	75	9.630	9.622	(0.894)	85621	5.00000	4.3
	40 2-Butanone	43	9.665	9.657	(0.955)	162929	25.0000	22.0
	41 Benzene	78	9.978	9.971	(0.927)	271650	5.00000	4.6
*	42 Pentafluorobenzene	168	10.118	10.122	(1.000)	1246880	50.0000	
	43 Cyclohexane	56	8.967	8.972	(0.886)	102408	5.00000	4.0
	44 Ethyl Methacrylate	69	13.139	13.144	(1.220)	71634	5.00000	4.3
$	45 1,2-Dichloroethane-D4	65	10.176	10.169	(1.006)	77822	5.00000	5.0
	46 Tertiary-amyl methyl ether	73	10.153	10.157	(1.003)	183184	5.00000	4.7
	47 1,2-Dichloroethane	62	10.257	10.262	(0.953)	84888	5.00000	4.7
	48 Trichloroethene	95	10.711	10.715	(0.995)	74269	5.00000	4.8
*	49 1,4-Difluorobenzene	114	10.769	10.761	(1.000)	2055352	50.0000	
	50 Dibromomethane	93	11.199	11.203	(1.040)	42821	5.00000	4.7
	51 1,2-Dichloropropane	63	11.315	11.319	(1.051)	70714	5.00000	4.5
	52 Bromodichloromethane	83	11.396	11.389	(1.058)	79828	5.00000	4.2
	53 cis-1,3-dichloropropene	75	12.152	12.144	(1.128)	99703	5.00000	4.3
	54 1,4-Dioxane	88	11.652	11.644	(1.082)	15380	100.000	106
$	55 Toluene-D8	98	12.372	12.365	(1.149)	269311	5.00000	5.3
	56 2-Chloroethylvinylether	63	12.082	12.074	(1.122)	12155	5.00000	5.2
	57 Toluene	92	12.430	12.435	(1.154)	170711	5.00000	4.6
	58 4-methyl-2-pentanone	43	12.918	12.923	(1.200)	337648	25.0000	25.4
	59 Tetrachloroethene	164	12.907	12.900	(0.901)	68031	5.00000	5.2
	60 trans-1,3-Dichloropropene	75	12.953	12.958	(1.203)	77611	5.00000	4.4
	61 1,1,2-Trichloroethane	83	13.163	13.167	(1.222)	47610	5.00000	4.8
	62 Dibromochloromethane	129	13.383	13.388	(0.934)	58545	5.00000	4.1
	63 1,3-Dichloropropane	76	13.511	13.504	(0.943)	98821	5.00000	4.5
	64 1,2-Dibromoethane	107	13.685	13.690	(1.271)	60086	5.00000	4.6
	65 2-Hexanone	43	13.964	13.957	(0.975)	227635	25.0000	23.2
*	66 Chlorobenzene-D5	117	14.325	14.329	(1.000)	1696775	50.0000	
	67 Chlorobenzene	112	14.348	14.352	(1.002)	176938	5.00000	4.7
	152 1-Chlorohexane	91	14.301	14.306	(1.413)	105729	5.00000	4.4
	68 Ethylbenzene	106	14.371	14.375	(1.003)	89530	5.00000	4.4
	69 1,1,1,2-Tetrachloroethane	131	14.429	14.433	(1.007)	55743	5.00000	4.3
M	70 Xylenes (total)	106				339750	15.0000	14.0
	71 m+p-Xylenes	106	14.557	14.561	(1.016)	231058	10.0000	9.5
	72 o-Xylene	106	15.126	15.131	(1.056)	108692	5.00000	4.4
	73 Styrene	104	15.196	15.200	(1.061)	183138	5.00000	4.4
	74 Bromoform	173	15.254	15.259	(1.065)	40780	5.00000	4.2
	75 Isopropylbenzene	105	15.545	15.537	(0.888)	245207	5.00000	4.6
$	76 P-Bromofluorobenzene	95	15.940	15.944	(1.480)	101828	5.00000	5.0

Data File: \\target_server\GG\chem\gcms-t.i\T032608.b\T9812.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)
77 cis-1,4-Dichloro-2-Butene	53	16.033	16.037	(0.916)	17190	5.00000	4.1
78 trans-1,4-Dichloro-2-Butene	53	16.463	16.466	(0.940)	16427	5.00000	4.0
79 Bromobenzene	156	16.091	16.094	(0.919)	77211	5.00000	5.0
80 N-Propylbenzene	91	16.103	16.107	(0.920)	336004	5.00000	4.9
81 1,1,2,2-Tetrachloroethane	83	16.207	16.210	(0.926)	66431	5.00000	4.6
82 1,3,5-Trimethylbenzene	105	16.370	16.373	(0.935)	221036	5.00000	4.7
83 2-Chlorotoluene	91	16.335	16.338	(0.933)	222900	5.00000	4.7
84 1,2,3-Trichloropropane	75	16.416	16.421	(0.938)	50358	5.00000	4.6
85 4-Chlorotoluene	91	16.567	16.572	(0.946)	202203	5.00000	4.7
86 tert-Butylbenzene	119	16.823	16.827	(0.961)	184793	5.00000	4.4
87 Pentachloroethane	117	16.869	16.873	(0.963)	34007	5.00000	3.7
88 1,2,4-Trimethylbenzene	105	16.928	16.920	(0.967)	217563	5.00000	4.5
89 P-Isopropyltoluene	119	17.276	17.280	(0.987)	219938	5.00000	4.4
90 1,3-Dichlorobenzene	146	17.404	17.408	(0.994)	136632	5.00000	4.8
* 91 1,4-Dichlorobenzene-D4	152	17.509	17.513	(1.000)	844799	50.0000	
92 1,4-Dichlorobenzene	146	17.532	17.536	(1.001)	138027	5.00000	5.0
93 N-Butylbenzene	91	17.892	17.896	(1.022)	195431	5.00000	4.2
94 sec-Butylbenzene	105	17.079	17.082	(0.975)	294563	5.00000	4.6
95 1,2-Dichlorobenzene	146	18.148	18.152	(1.037)	120629	5.00000	4.7
96 1,2-Dibromo-3-Chloropropane	75	19.356	19.349	(1.106)	11332	5.00000	4.7
97 1,3,5-Trichlorobenzene	180	19.391	19.384	(1.108)	91126	5.00000	4.8
98 Hexachlorobutadiene	225	20.321	20.313	(1.161)	44345	5.00000	3.4
99 1,2,4-Trichlorobenzene	180	20.379	20.383	(1.164)	69822	5.00000	4.4
100 1,2,3-Trimethylbenzene	105	17.555	17.559	(1.003)	223448	5.00000	4.8
101 Naphthalene	128	20.890	20.895	(1.193)	106075	5.00000	3.8
102 1,2,3-Trichlorobenzene	180	21.169	21.173	(1.209)	59470	5.00000	4.3
103 Methyl Acetate	43	6.237	6.241	(0.616)	61173	5.00000	4.3
104 Methylcyclohexane	83	10.687	10.680	(1.056)	115781	5.00000	4.4
M 153 Total Alkylbenzenes	100				1669328	5.00000	31.6

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: \\target_server\GG\chem\gcms-t.i\T032608.b\T9812.D
Report Date: 26-Mar-2008 15:26

Katahdin Analytical Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcms-t.i
Lab File ID: T9812.D
Lab Smp Id: VSTD005T26A
Analysis Type: VOA
Quant Type: ISTD
Operator: HCG
Method File: \\target_server\GG\chem\gcms-t.i\T032608.b\T826a80.m
Misc Info: SW846 8260B

Calibration Date: 26-MAR-2008
Calibration Time: 12:20

Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 4

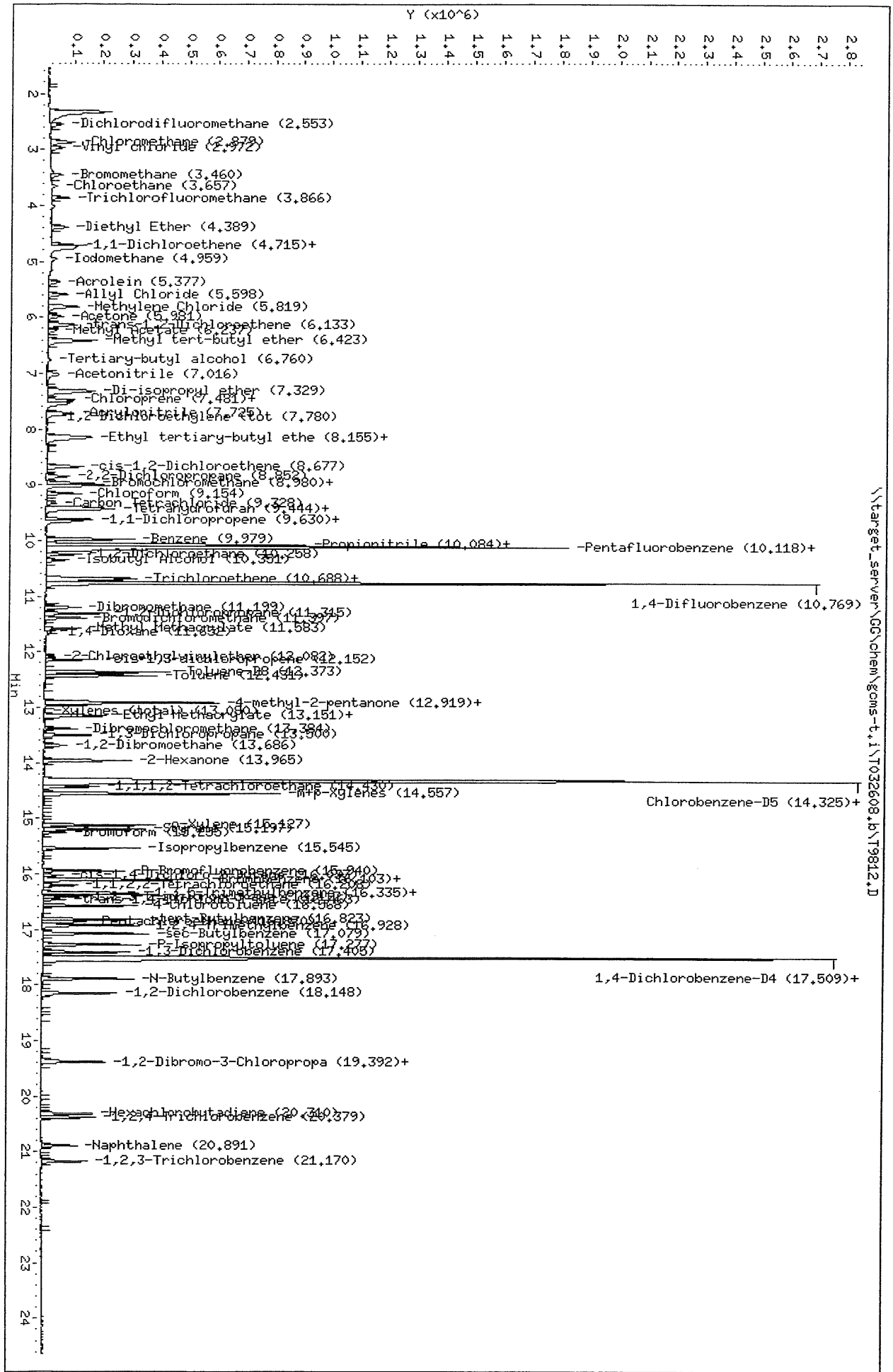
COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	1232835	616418	2465670	1246880	1.14
49 1,4-Difluorobenze	2048763	1024382	4097526	2055352	0.32
66 Chlorobenzene-D5	1686361	843181	3372722	1696775	0.62
91 1,4-Dichlorobenze	864264	432132	1728528	844799	-2.25

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	10.12	9.62	10.62	10.12	-0.04
49 1,4-Difluorobenze	10.76	10.26	11.26	10.77	0.07
66 Chlorobenzene-D5	14.33	13.83	14.83	14.33	-0.03
91 1,4-Dichlorobenze	17.51	17.01	18.01	17.51	-0.02

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.

Data File: \\target_server\GC\chem\gcms-t.i\T032608.b\T9812.D
Date : 26-MAR-2008 13:24
Client ID:
Sample Info: WSTD005T26A
Purge Volume: 5.0
Column phase: RTX-VMS

Instrument: gcms-t.i
Operator: HCG
Column diameter: 0.18



Data File: \\target_server\GG\chem\gcms-t.i\T032608.b\T9813.D
Report Date: 26-Mar-2008 15:26

Katahdin Analytical Services

Data file : \\target_server\GG\chem\gcms-t.i\T032608.b\T9813.D
Lab Smp Id: VSTD001T26A
Inj Date : 26-MAR-2008 13:56 MS Autotune Date: 05-MAR-2008 13:39
Operator : HCG Inst ID: gcms-t.i
Smp Info : VSTD001T26A
Misc Info : SW846 8260B
Comment :
Method : \\target_server\GG\chem\gcms-t.i\T032608.b\T826a80.m
Meth Date : 26-Mar-2008 15:25 hgroshong Quant Type: ISTD
Cal Date : 26-MAR-2008 13:56 Cal File: T9813.D
Als bottle: 8 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.12
Processing Host: V200T1

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	sample purged
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)
1 Dichlorodifluoromethane	85	2.556	2.557	(0.253)	15313	1.00000	0.94(a)
2 Chloromethane	50	2.870	2.859	(0.284)	31839	1.00000	1.2
3 Vinyl chloride	62	2.963	2.964	(0.293)	23299	1.00000	1.2
4 Bromomethane	94	3.462	3.452	(0.342)	13645	1.00000	1.3
5 Chloroethane	64	3.648	3.649	(0.361)	11163	1.00000	1.7(M) MA HG 3/26/08
6 Trichlorofluoromethane	101	3.857	3.847	(0.381)	18742	1.00000	1.1
7 Diethyl Ether	59	4.392	4.393	(0.434)	9838	1.00000	0.93(a)
8 Tertiary-butyl alcohol	59	6.751	6.764	(0.667)	4245	5.00000	3.8(aM) MA H
9 1,1-Dichloroethene	96	4.706	4.695	(0.465)	14071	1.00000	1.2
10 Carbon Disulfide	76	4.741	4.730	(0.468)	39992	1.00000	1.3
11 Freon-113	151	4.776	4.777	(0.472)	7639	1.00000	0.90(a)
12 Iodomethane	142	4.961	4.951	(0.490)	11551	1.00000	1.2
13 Acrolein	56	5.368	5.369	(0.530)	13539	5.00000	5.0(a)
14 Methylene Chloride	84	5.810	5.811	(0.574)	23513	1.00000	1.2(a)
15 Acetone	43	5.984	5.985	(0.591)	30681	5.00000	5.4
16 Isobutyl Alcohol	43	10.353	10.355	(1.023)	10598	20.0000	18.6(a)
17 trans-1,2-Dichloroethene	96	6.124	6.125	(0.605)	21952	1.00000	1.2
18 Allyl Chloride	41	5.589	5.590	(0.552)	18652	1.00000	0.86(a)
19 Methyl tert-butyl ether	73	6.426	6.415	(0.635)	61358	2.00000	2.0
20 Acetonitrile	39	7.030	7.019	(0.695)	6225	10.0000	40.6
21 Di-isopropyl ether	45	7.320	7.322	(0.723)	63432	1.00000	0.96(a)
22 Chloroprene	53	7.483	7.484	(0.739)	28041	1.00000	1.1
23 Propionitrile	54	10.063	10.064	(0.994)	19374	10.0000	10.7

Data File: \\target_server\GG\chem\gcms-t.i\T032608.b\T9813.D
Report Date: 26-Mar-2008 15:26

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)
	24 Methacrylonitrile	41	10.075	10.087	(0.995)	102588	10.0000	11.1
	25 1,1-Dichloroethane	63	7.553	7.542	(0.746)	33563	1.00000	1.1
	26 Acrylonitrile	52	7.727	7.728	(0.763)	23402	5.00000	5.0
	27 Ethyl tertiary-butyl ether	59	8.157	8.147	(0.806)	44885	1.00000	0.94(a)
	28 Vinyl Acetate	43	8.180	8.182	(0.759)	38350	1.00000	0.98(a)
	29 cis-1,2-Dichloroethene	96	8.680	8.670	(0.858)	20262	1.00000	1.1
M	30 1,2-Dichloroethylene (total)	96				42214	1.00000	2.3
	31 Methyl Methacrylate	41	11.585	11.586	(1.076)	12733	1.00000	0.96(a)
	32 2,2-Dichloropropane	77	8.854	8.856	(0.875)	16818	1.00000	1.0
	33 Bromochloromethane	128	9.017	9.018	(0.891)	16866	1.00000	1.1
	34 Chloroform	83	9.157	9.158	(0.905)	28804	1.00000	1.1
	35 Carbon Tetrachloride	117	9.319	9.320	(0.865)	6104	1.00000	5.0
	36 Tetrahydrofuran	42	9.412	9.402	(0.930)	23819	5.00000	5.4
$	37 Dibromofluoromethane	113	9.435	9.437	(0.932)	18380	1.00000	1.1
	38 1,1,1-Trichloroethane	97	9.447	9.437	(0.933)	25259	1.00000	1.2
	39 1,1-Dichloropropene	75	9.621	9.622	(0.893)	25590	1.00000	1.2
	40 2-Butanone	43	9.668	9.657	(0.955)	36929	5.00000	5.0
	41 Benzene	78	9.970	9.971	(0.926)	71506	1.00000	1.2
*	42 Pentafluorobenzene	168	10.121	10.122	(1.000)	1235994	50.0000	
	43 Cyclohexane	56	8.971	8.972	(0.886)	26337	1.00000	1.0
	44 Ethyl Methacrylate	69	13.142	13.144	(1.220)	13367	1.00000	0.83(a)
$	45 1,2-Dichloroethane-D4	65	10.168	10.169	(1.005)	18564	1.00000	1.2
	46 Tertiary-amyl methyl ether	73	10.168	10.157	(1.005)	36240	1.00000	0.96(a)
	47 1,2-Dichloroethane	62	10.260	10.262	(0.953)	20140	1.00000	1.1(M) MIO HG 3/26/0
	48 Trichloroethene	95	10.714	10.715	(0.995)	21247	1.00000	1.3
*	49 1,4-Difluorobenzene	114	10.772	10.761	(1.000)	2059460	50.0000	
	50 Dibromomethane	93	11.202	11.203	(1.040)	11560	1.00000	1.2
	51 1,2-Dichloropropane	63	11.318	11.319	(1.051)	16627	1.00000	1.0
	52 Bromodichloromethane	83	11.399	11.389	(1.058)	18007	1.00000	0.96(a)
	53 cis-1,3-dichloropropene	75	12.143	12.144	(1.127)	23902	1.00000	1.0
	54 1,4-Dioxane	88	11.643	11.644	(1.081)	3223	20.0000	21.7
$	55 Toluene-D8	98	12.375	12.365	(1.149)	57836	1.00000	1.1
	56 2-Chloroethylvinylether	63	12.073	12.074	(1.121)	2973	1.00000	1.2
	57 Toluene	92	12.434	12.435	(1.154)	44246	1.00000	1.2
	58 4-methyl-2-pentanone	43	12.922	12.923	(1.200)	77468	5.00000	5.7
	59 Tetrachloroethene	164	12.898	12.900	(0.900)	18065	1.00000	1.3
	60 trans-1,3-Dichloropropene	75	12.956	12.958	(1.203)	19764	1.00000	1.1
	61 1,1,2-Trichloroethane	83	13.166	13.167	(1.222)	12147	1.00000	1.2
	62 Dibromochloromethane	129	13.386	13.388	(0.934)	12281	1.00000	0.88(a)
	63 1,3-Dichloropropane	76	13.503	13.504	(0.942)	24479	1.00000	1.1
	64 1,2-Dibromoethane	107	13.689	13.690	(1.271)	14961	1.00000	1.1
	65 2-Hexanone	43	13.956	13.957	(0.974)	50273	5.00000	5.1
*	66 Chlorobenzene-D5	117	14.328	14.329	(1.000)	1707499	50.0000	
	67 Chlorobenzene	112	14.351	14.352	(1.002)	47040	1.00000	1.2
	152 1-Chlorohexane	91	14.304	14.306	(1.413)	31204	1.00000	1.2
	68 Ethylbenzene	106	14.374	14.375	(1.003)	25292	1.00000	1.2
	69 1,1,1,2-Tetrachloroethane	131	14.432	14.433	(1.007)	12726	1.00000	0.98(aM) MIO HG 3/26/0
M	70 Xylenes (total)	106				86767	5.00000	3.4
	71 m+p-Xylenes	106	14.560	14.561	(1.016)	60682	2.00000	2.4
	72 o-Xylene	106	15.130	15.131	(1.056)	26085	1.00000	1.0
	73 Styrene	104	15.199	15.200	(1.061)	42404	1.00000	1.0
	74 Bromoform	173	15.257	15.259	(1.065)	8725	1.00000	0.90(aM) MIO HG 3/26/
	75 Isopropylbenzene	105	15.548	15.537	(0.888)	67834	1.00000	1.2
$	76 P-Bromofluorobenzene	95	15.943	15.944	(1.480)	24721	1.00000	1.2

Data File: \\target_server\GG\chem\gcms-t.i\T032608.b\T9813.D
Report Date: 26-Mar-2008 15:26

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)
77 cis-1,4-Dichloro-2-Butene	53	16.024	16.037	(0.915)	3413	1.00000	0.85(a)
78 trans-1,4-Dichloro-2-Butene	53	16.466	16.466	(0.940)	3477	1.00000	0.88(a)
79 Bromobenzene	156	16.094	16.094	(0.919)	18760	1.00000	1.2
80 N-Propylbenzene	91	16.106	16.107	(0.920)	91537	1.00000	1.3
81 1,1,2,2-Tetrachloroethane	83	16.210	16.210	(0.926)	15837	1.00000	1.1
82 1,3,5-Trimethylbenzene	105	16.373	16.373	(0.935)	57471	1.00000	1.2
83 2-Chlorotoluene	91	16.338	16.338	(0.933)	56954	1.00000	1.2
84 1,2,3-Trichloropropane	75	16.419	16.421	(0.938)	12710	1.00000	1.1
85 4-Chlorotoluene	91	16.570	16.572	(0.946)	50957	1.00000	1.2
86 tert-Butylbenzene	119	16.826	16.827	(0.961)	53836	1.00000	1.2
87 Pentachloroethane	117	16.873	16.873	(0.964)	7361	1.00000	0.83(aM) M3 HG 3/26/
88 1,2,4-Trimethylbenzene	105	16.919	16.920	(0.966)	50395	1.00000	1.0
89 P-Isopropyltoluene	119	17.279	17.280	(0.987)	57804	1.00000	1.1
90 1,3-Dichlorobenzene	146	17.407	17.408	(0.994)	37407	1.00000	1.2
* 91 1,4-Dichlorobenzene-D4	152	17.512	17.513	(1.000)	837253	50.0000	
92 1,4-Dichlorobenzene	146	17.535	17.536	(1.001)	37680	1.00000	1.3
93 N-Butylbenzene	91	17.895	17.896	(1.022)	52987	1.00000	1.1
94 sec-Butylbenzene	105	17.082	17.082	(0.975)	83251	1.00000	1.2
95 1,2-Dichlorobenzene	146	18.151	18.152	(1.036)	30215	1.00000	1.1
96 1,2-Dibromo-3-Chloropropane	75	19.371	19.349	(1.106)	3096	1.00000	1.2(M) M3
97 1,3,5-Trichlorobenzene	180	19.383	19.384	(1.107)	21866	1.00000	1.1
98 Hexachlorobutadiene	225	20.324	20.313	(1.161)	17386	1.00000	0.063(a)
99 1,2,4-Trichlorobenzene	180	20.382	20.383	(1.164)	18906	1.00000	1.2
100 1,2,3-Trimethylbenzene	105	17.558	17.559	(1.003)	46927	1.00000	1.0
101 Naphthalene	128	20.893	20.895	(1.193)	26749	1.00000	0.98(a)
102 1,2,3-Trichlorobenzene	180	21.172	21.173	(1.209)	14871	1.00000	1.1
103 Methyl Acetate	43	6.240	6.241	(0.617)	15574	1.00000	1.1
104 Methylcyclohexane	83	10.679	10.680	(1.055)	25437	1.00000	0.97(a)
M 153 Total Alkylbenzenes	100				447281	1.00000	8.2

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
M - Compound response manually integrated.

Data File: \\target_server\GG\chem\gcms-t.i\T032608.b\T9813.D
Report Date: 26-Mar-2008 15:26

Katahdin Analytical Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcms-t.i
Lab File ID: T9813.D
Lab Smp Id: VSTD001T26A
Analysis Type: VOA
Quant Type: ISTD
Operator: HCG
Method File: \\target_server\GG\chem\gcms-t.i\T032608.b\T826a80.m
Misc Info: SW846 8260B

Calibration Date: 26-MAR-2008
Calibration Time: 12:20

Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 4

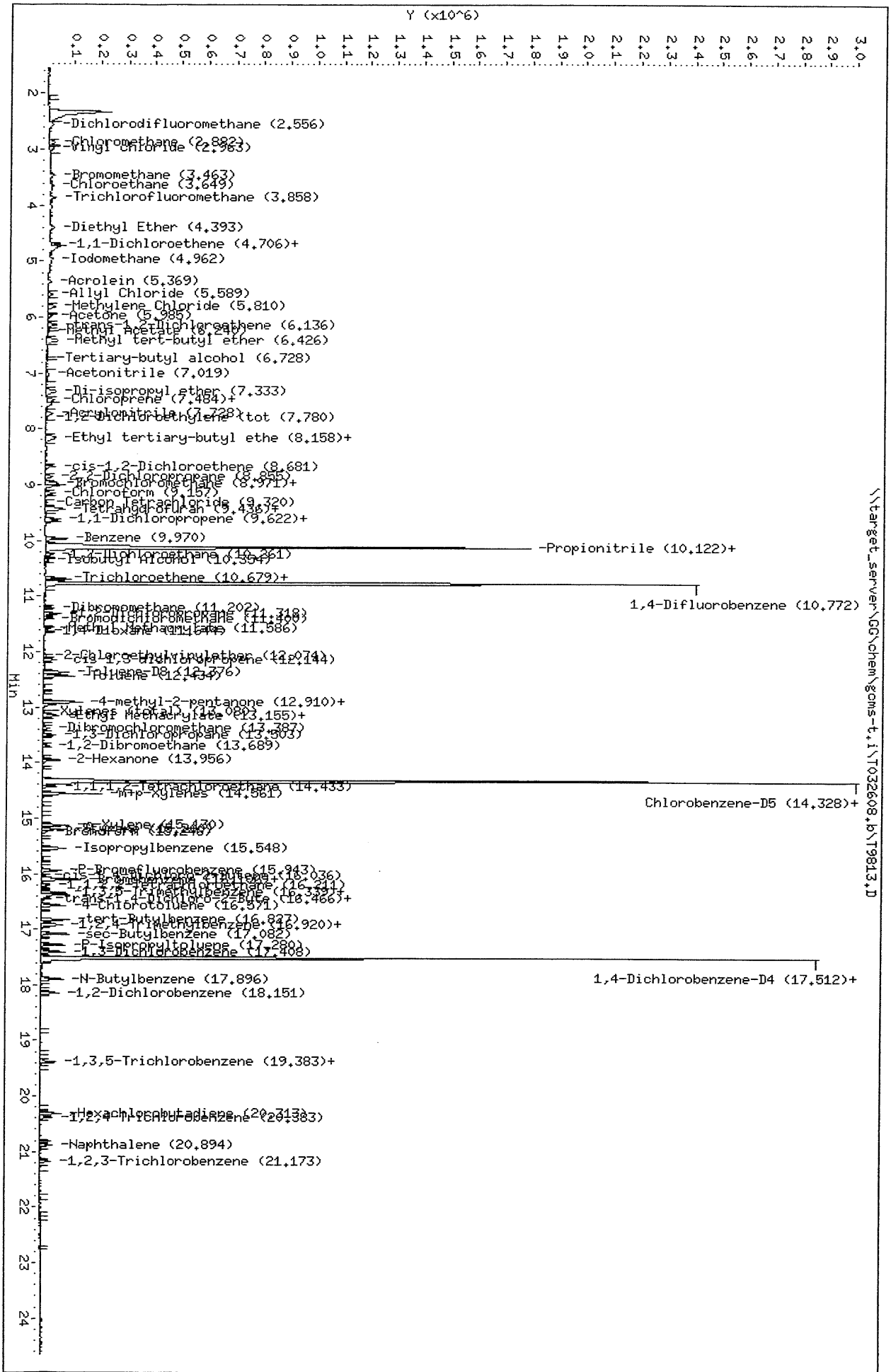
COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	1232835	616418	2465670	1235994	0.26
49 1,4-Difluorobenze	2048763	1024382	4097526	2059460	0.52
66 Chlorobenzene-D5	1686361	843181	3372722	1707499	1.25
91 1,4-Dichlorobenze	864264	432132	1728528	837253	-3.13

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	10.12	9.62	10.62	10.12	-0.01
49 1,4-Difluorobenze	10.76	10.26	11.26	10.77	0.10
66 Chlorobenzene-D5	14.33	13.83	14.83	14.33	-0.00
91 1,4-Dichlorobenze	17.51	17.01	18.01	17.51	-0.00

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.

Data File: \\target_server\GC\chem\gcms-t.i\T032608.b\T9813.D
Date : 26-MAR-2008 13:56
Client ID:
Sample Info: VSTD001T26A
Purge Volume: 5.0
Column phase: RTX-VMS

Instrument: gcms-t.i
Operator: HCC
Column diameter: 0.18



FORM 7B
VOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 426 NLON SDG No.: CTO426-2

Instrument ID: GCMS-T Calibration Date: 03/27/08 Time: 0855

Lab File ID: T9817 Init. Calib. Date(s): 03/26/08 03/26/08

Init. Calib. Times: 1117 1356

GC Column: RTX-VMS ID: 0.18 (mm)

COMPOUND	RRF OR AMOUNT	RRF50.000 OR AMOUNT	MIN RRF	%D OR %DRIFT	MAX %D OR %DRIFT	CURV TYPE	
Methyl tert-butyl ether	1.2250000	1.1212000	0.01	-8.47		AVRG	
Benzene	1.4930000	1.4744000	0.01	-1.24		AVRG	
Toluene	0.9240000	0.9138600	0.01	-1.10	20.00	AVRG	
Ethylbenzene	0.6190000	0.6076900	0.01	-1.83	20.00	AVRG	
Xylenes (total)	0.0000000	0.7410800	0.01	0.00		AVRG	<-
m+p-Xylenes	0.7430000	0.7455300	0.01	0.34		AVRG	
o-Xylene	0.7290000	0.7321900	0.01	0.44		AVRG	
Isopropylbenzene	3.2920000	3.2271000	0.01	-1.97		AVRG	
Naphthalene	1.6290000	1.5892000	0.01	-2.44		AVRG	
Dibromofluoromethane	0.6850000	0.6106900	0.01	-10.85		AVRG	
1,2-Dichloroethane-D4	0.6450000	0.5459900	0.01	-15.35		AVRG	
Toluene-D8	1.2610000	1.1600000	0.01	-8.01		AVRG	
P-Bromofluorobenzene	0.5090000	0.4692200	0.01	-7.82		AVRG	

Data File: \\Target_server\GG\chem\gcms-t.i\T032708.b\T9817.D
Report Date: 02-Apr-2008 09:15

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gcms-t.i\T032708.b\T9817.D
Lab Smp Id: VSTD050T27A
Inj Date : 27-MAR-2008 08:55 MS Autotune Date: 05-MAR-2008 13:39
Operator : HCG Inst ID: gcms-t.i
Smp Info : VSTD050T27A
Misc Info : SW846 8260B
Comment :
Method : \\TARGET_SERVER\GG\chem\gcms-t.i\T032708.b\T826a80.m
Meth Date : 27-Mar-2008 11:37 hgroshong Quant Type: ISTD
Cal Date : 26-MAR-2008 13:56 Cal File: T9813.D
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.12
Processing Host: T_INST

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	sample purged
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)
1 Dichlorodifluoromethane	85	2.546	2.557	(0.252)	800057	50.0000	46.7
2 Chloromethane	50	2.848	2.859	(0.282)	1224751	50.0000	44.9
3 Vinyl chloride	62	2.953	2.964	(0.292)	925627	50.0000	44.8
4 Bromomethane	94	3.441	3.452	(0.340)	483771	50.0000	45.6
5 Chloroethane	64	3.638	3.649	(0.360)	244678	50.0000	44.0
6 Trichlorofluoromethane	101	3.836	3.847	(0.379)	889682	50.0000	51.6
7 Diethyl Ether	59	4.382	4.393	(0.433)	496146	50.0000	46.6
8 Tertiary-butyl alcohol	59	6.729	6.764	(0.666)	251456	250.000	218
9 1,1-Dichloroethene	96	4.684	4.695	(0.463)	546746	50.0000	46.1
10 Carbon Disulfide	76	4.719	4.730	(0.467)	1293429	50.0000	44.0
11 Freon-113	151	4.754	4.777	(0.470)	414115	50.0000	48.6
12 Iodomethane	142	4.940	4.951	(0.489)	414475	50.0000	44.7
13 Acrolein	56	5.347	5.369	(0.529)	606691	250.000	221
14 Methylene Chloride	84	5.788	5.811	(0.572)	868998	50.0000	44.6
15 Acetone	43	5.963	5.985	(0.590)	1485204	250.000	263
16 Isobutyl Alcohol	43	10.332	10.355	(1.022)	489752	1000.00	856
17 trans-1,2-Dichloroethene	96	6.114	6.125	(0.605)	819109	50.0000	45.7
18 Allyl Chloride	41	5.579	5.590	(0.552)	1022156	50.0000	39.5
19 Methyl tert-butyl ether	73	6.392	6.415	(0.632)	2781455	100.000	91.5
20 Acetonitrile	39	6.997	7.019	(0.692)	194357	500.000	404
21 Di-isopropyl ether	45	7.299	7.322	(0.722)	3124368	50.0000	47.0
22 Chloroprene	53	7.462	7.484	(0.738)	1138359	50.0000	45.2
23 Propionitrile	54	10.053	10.064	(0.994)	809336	500.000	444

Data File: \\Target_server\GG\chem\gcms-t.i\T032708.b\T9817.D
Report Date: 02-Apr-2008 09:15

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)
	24 Methacrylonitrile	41	10.076	10.087	(0.997)	4168071	500.000	448
	25 1,1-Dichloroethane	63	7.531	7.542	(0.745)	1400416	50.0000	46.5
	26 Acrylonitrile	52	7.706	7.728	(0.762)	1020568	250.000	219
	27 Ethyl tertiary-butyl ether	59	8.124	8.147	(0.803)	2251803	50.0000	46.9
	28 Vinyl Acetate	43	8.159	8.182	(0.758)	1895535	50.0000	48.9
	29 cis-1,2-Dichloroethene	96	8.659	8.670	(0.856)	884134	50.0000	47.8
M	30 1,2-Dichloroethylene (total)	96				1703243	50.0000	93.5
	31 Methyl Methacrylate	41	11.575	11.586	(1.076)	613476	50.0000	46.7
	32 2,2-Dichloropropane	77	8.833	8.856	(0.874)	787018	50.0000	42.0
	33 Bromochloromethane	128	8.996	9.018	(0.890)	762361	50.0000	48.3
	34 Chloroform	83	9.147	9.158	(0.905)	1265180	50.0000	47.6
	35 Carbon Tetrachloride	117	9.309	9.320	(0.865)	489217	50.0000	40.9
	36 Tetrahydrofuran	42	9.379	9.402	(0.928)	992630	250.000	223
$	37 Dibromofluoromethane	113	9.425	9.437	(0.932)	757511	50.0000	44.6
	38 1,1,1-Trichloroethane	97	9.425	9.437	(0.932)	984962	50.0000	47.3
	39 1,1-Dichloropropene	75	9.611	9.622	(0.893)	994041	50.0000	48.0
	40 2-Butanone	43	9.646	9.657	(0.954)	1773546	250.000	240
	41 Benzene	78	9.960	9.971	(0.925)	3001547	50.0000	49.4
*	42 Pentafluorobenzene	168	10.111	10.122	(1.000)	1240417	50.0000	
	43 Cyclohexane	56	8.949	8.972	(0.885)	1216013	50.0000	47.6
	44 Ethyl Methacrylate	69	13.132	13.144	(1.220)	803998	50.0000	50.4
$	45 1,2-Dichloroethane-D4	65	10.158	10.169	(1.005)	677257	50.0000	42.3
	46 Tertiary-amyl methyl ether	73	10.146	10.157	(1.003)	1793621	50.0000	47.1
	47 1,2-Dichloroethane	62	10.251	10.262	(0.952)	897468	50.0000	49.3
	48 Trichloroethene	95	10.704	10.715	(0.995)	770301	50.0000	47.3
*	49 1,4-Difluorobenzene	114	10.762	10.761	(1.000)	2035750	50.0000	
	50 Dibromomethane	93	11.192	11.203	(1.040)	444591	50.0000	47.1
	51 1,2-Dichloropropane	63	11.308	11.319	(1.051)	762227	50.0000	48.9
	52 Bromodichloromethane	83	11.378	11.389	(1.057)	941972	50.0000	51.0
	53 cis-1,3-dichloropropene	75	12.133	12.144	(1.127)	1153737	50.0000	50.4
	54 1,4-Dioxane	88	11.633	11.644	(1.081)	121921	1000.00	832
$	55 Toluene-D8	98	12.365	12.365	(1.149)	2361570	50.0000	46.0
	56 2-Chloroethylvinylether	63	12.063	12.074	(1.121)	109512	50.0000	55.2
	57 Toluene	92	12.424	12.435	(1.154)	1860392	50.0000	49.4
	58 4-methyl-2-pentanone	43	12.912	12.923	(1.200)	3207080	250.000	237
	59 Tetrachloroethene	164	12.900	12.900	(0.901)	626231	50.0000	50.2
	60 trans-1,3-Dichloropropene	75	12.947	12.958	(1.203)	860379	50.0000	48.2
	61 1,1,2-Trichloroethane	83	13.156	13.167	(1.222)	497967	50.0000	48.5
	62 Dibromochloromethane	129	13.376	13.388	(0.934)	701560	50.0000	51.9
	63 1,3-Dichloropropane	76	13.493	13.504	(0.942)	1071079	50.0000	49.1
	64 1,2-Dibromoethane	107	13.679	13.690	(1.271)	630957	50.0000	47.7
	65 2-Hexanone	43	13.946	13.957	(0.974)	2391305	250.000	249
*	66 Chlorobenzene-D5	117	14.318	14.329	(1.000)	1652370	50.0000	
	67 Chlorobenzene	112	14.341	14.352	(1.002)	1884585	50.0000	49.4
	152 1-Chlorohexane	91	14.295	14.306	(1.414)	1162218	50.0000	45.8
	68 Ethylbenzene	106	14.364	14.375	(1.003)	1004127	50.0000	49.1
	69 1,1,1,2-Tetrachloroethane	131	14.422	14.433	(1.007)	641506	50.0000	51.0
M	70 Xylenes (total)	106				3673633	150.000	150
	71 m+p-Xylenes	106	14.550	14.561	(1.016)	2463779	100.000	100
	72 o-Xylene	106	15.120	15.131	(1.056)	1209854	50.0000	50.2
	73 Styrene	104	15.189	15.200	(1.061)	2092175	50.0000	51.5
	74 Bromoform	173	15.247	15.259	(1.065)	479706	50.0000	51.3
	75 Isopropylbenzene	105	15.538	15.537	(0.888)	2776149	50.0000	49.0
$	76 P-Bromofluorobenzene	95	15.933	15.944	(1.480)	955225	50.0000	46.0

Data File: \\Target_server\GG\chem\gcms-t.i\T032708.b\T9817.D
Report Date: 02-Apr-2008 09:15

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)
	77 cis-1,4-Dichloro-2-Butene	53	16.026	16.037	(0.916)	190597	50.0000	46.3
	78 trans-1,4-Dichloro-2-Butene	53	16.456	16.466	(0.940)	193369	50.0000	47.6
	79 Bromobenzene	156	16.084	16.094	(0.919)	805982	50.0000	49.3
	80 N-Propylbenzene	91	16.096	16.107	(0.920)	3636805	50.0000	45.1
	81 1,1,2,2-Tetrachloroethane	83	16.200	16.210	(0.926)	703509	50.0000	47.4
	82 1,3,5-Trimethylbenzene	105	16.363	16.373	(0.935)	2467242	50.0000	49.3
	83 2-Chlorotoluene	91	16.328	16.338	(0.933)	2434733	50.0000	48.8
	84 1,2,3-Trichloropropane	75	16.409	16.421	(0.938)	513198	50.0000	45.0
	85 4-Chlorotoluene	91	16.561	16.572	(0.946)	2224493	50.0000	49.1
	86 tert-Butylbenzene	119	16.816	16.827	(0.961)	2244358	50.0000	49.8
	87 Pentachloroethane	117	16.863	16.873	(0.963)	489282	50.0000	48.6
	88 1,2,4-Trimethylbenzene	105	16.921	16.920	(0.967)	2545168	50.0000	51.3
	89 P-Isopropyltoluene	119	17.269	17.280	(0.987)	2656700	50.0000	51.0
	90 1,3-Dichlorobenzene	146	17.397	17.408	(0.994)	1483567	50.0000	48.5
*	91 1,4-Dichlorobenzene-D4	152	17.502	17.513	(1.000)	860267	50.0000	
	92 1,4-Dichlorobenzene	146	17.525	17.536	(1.001)	1463797	50.0000	54.3
	93 N-Butylbenzene	91	17.885	17.896	(1.022)	2457634	50.0000	50.7
	94 sec-Butylbenzene	105	17.072	17.082	(0.975)	3361531	50.0000	49.0
	95 1,2-Dichlorobenzene	146	18.141	18.152	(1.037)	1335265	50.0000	49.4
	96 1,2-Dibromo-3-Chloropropane	75	19.349	19.349	(1.106)	116568	50.0000	41.3
	97 1,3,5-Trichlorobenzene	180	19.384	19.384	(1.108)	948529	50.0000	47.9
	98 Hexachlorobutadiene	225	20.314	20.313	(1.161)	376893	50.0000	47.0
	99 1,2,4-Trichlorobenzene	180	20.372	20.383	(1.164)	823148	50.0000	49.4
	100 1,2,3-Trimethylbenzene	105	17.548	17.559	(1.003)	2392231	50.0000	50.5
	101 Naphthalene	128	20.883	20.895	(1.193)	1367180	50.0000	48.8
	102 1,2,3-Trichlorobenzene	180	21.162	21.173	(1.209)	708266	50.0000	49.5
	103 Methyl Acetate	43	6.207	6.241	(0.614)	619249	50.0000	43.2
	104 Methylcyclohexane	83	10.669	10.680	(1.055)	1243988	50.0000	47.5
M	153 Total Alkylbenzenes	100				19369438	50.0000	346

Data File: \\Target_server\GG\chem\gcms-t.i\T032708.b\T9817.D
Report Date: 02-Apr-2008 09:15

Katahdin Analytical Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcms-t.i
Lab File ID: T9817.D
Lab Smp Id: VSTD050T27A
Analysis Type: VOA
Quant Type: ISTD
Operator: HCG
Method File: \\TARGET_SERVER\GG\chem\gcms-t.i\T032708.b\T826a80.m
Misc Info: SW846 8260B

Calibration Date: 27-MAR-2008
Calibration Time: 08:55

Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 4

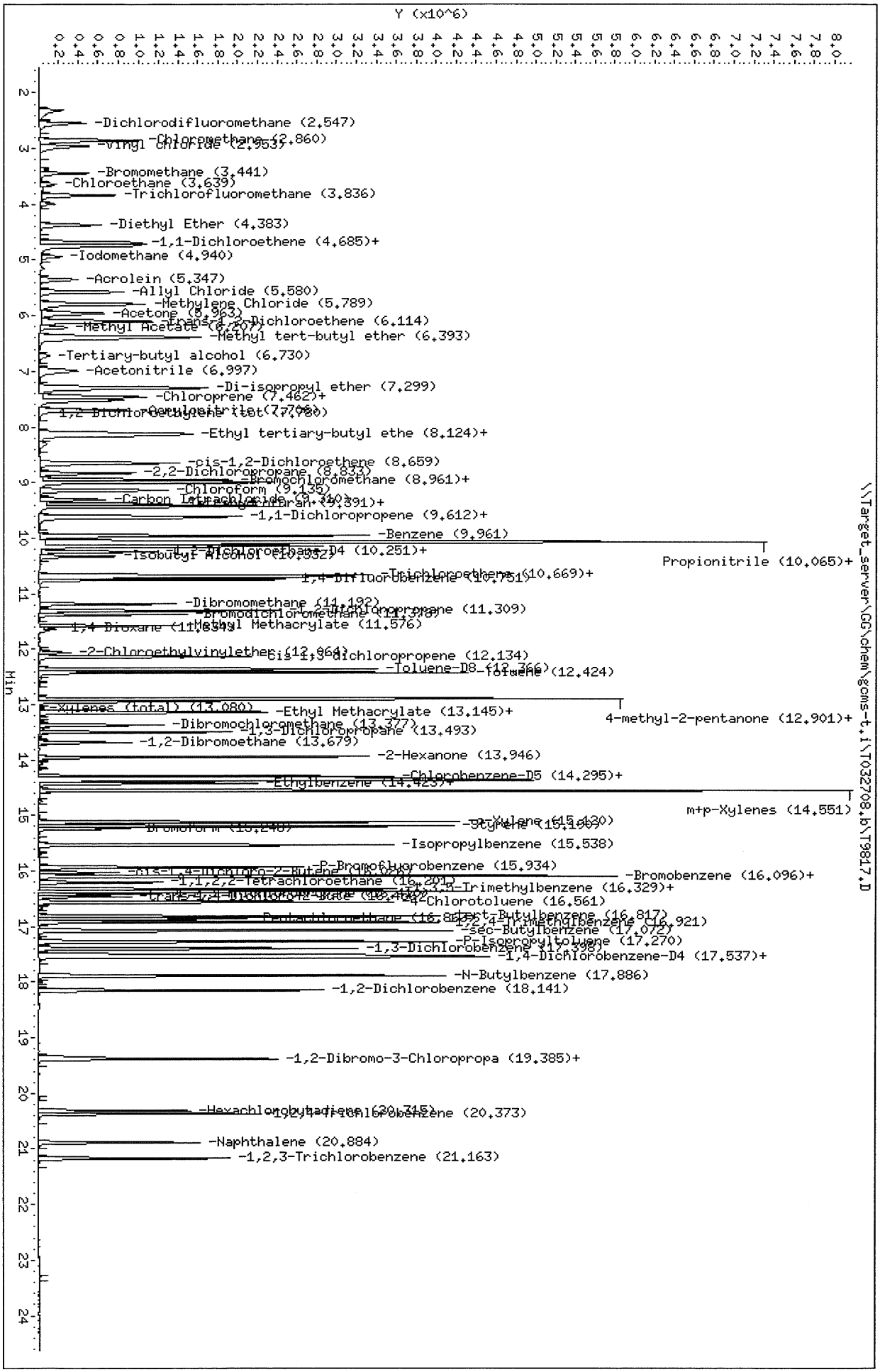
COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	1232835	616418	2465670	1240417	0.62
49 1,4-Difluorobenze	2048763	1024382	4097526	2035750	-0.64
66 Chlorobenzene-D5	1686361	843181	3372722	1652370	-2.02
91 1,4-Dichlorobenze	864264	432132	1728528	860267	-0.46

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	10.12	9.62	10.62	10.11	-0.10
49 1,4-Difluorobenze	10.76	10.26	11.26	10.76	0.01
66 Chlorobenzene-D5	14.33	13.83	14.83	14.32	-0.07
91 1,4-Dichlorobenze	17.51	17.01	18.01	17.50	-0.06

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.

Data File: \\Target_server\GC\chem\gcms-t.i\T032708.b\T9817.D
Date : 27-MAR-2008 08:55
Client ID:
Sample Info: WSTD050T27A
Purge Volume: 5.0
Column phase: RTX-VMS

Instrument: gcms-t.i
Operator: HCG
Column diameter: 0.18



FORM 7B
VOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 426 NLON SDG No.: CTO426-2

Instrument ID: GCMS-T Calibration Date: 03/28/08 Time: 0937

Lab File ID: T9838 Init. Calib. Date(s): 03/26/08 03/26/08

Init. Calib. Times: 1117 1356

GC Column: RTX-VMS ID: 0.18 (mm)

COMPOUND	RRF OR AMOUNT	RRF50.000 OR AMOUNT	MIN RRF	%D OR %DRIFT	MAX %D OR %DRIFT	CURV TYPE	
Methyl tert-butyl ether	1.2250000	1.2380000	0.01	1.06		AVRG	
Benzene	1.4930000	1.5773000	0.01	5.65		AVRG	
Toluene	0.9240000	0.9655800	0.01	4.50	20.00	AVRG	
Ethylbenzene	0.6190000	0.6156900	0.01	-0.53	20.00	AVRG	
Xylenes (total)	0.0000000	0.7456800	0.01	0.00		AVRG	<-
m+p-Xylenes	0.7430000	0.7489800	0.01	0.80		AVRG	
o-Xylene	0.7290000	0.7390700	0.01	1.38		AVRG	
Isopropylbenzene	3.2920000	3.2623000	0.01	-0.90		AVRG	
Naphthalene	1.6290000	1.5747000	0.01	-3.33		AVRG	
Dibromofluoromethane	0.6850000	0.6136000	0.01	-10.42		AVRG	
1,2-Dichloroethane-D4	0.6450000	0.5510000	0.01	-14.57		AVRG	
Toluene-D8	1.2610000	1.1733000	0.01	-6.95		AVRG	
P-Bromofluorobenzene	0.5090000	0.4790200	0.01	-5.89		AVRG	

Data File: \\Target_server\GG\chem\gcms-t.i\T032808.b\T9838.D
Report Date: 02-Apr-2008 09:15

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gcms-t.i\T032808.b\T9838.D
Lab Smp Id: VSTD050T28A
Inj Date : 28-MAR-2008 09:37 MS Autotune Date: 05-MAR-2008 13:39
Operator : HCG Inst ID: gcms-t.i
Smp Info : VSTD050T28A
Misc Info : SW846 8260B
Comment :
Method : \\target_server\GG\chem\gcms-t.i\T032808.b\T826a80.m
Meth Date : 28-Mar-2008 10:01 hgroshong Quant Type: ISTD
Cal Date : 26-MAR-2008 13:56 Cal File: T9813.D
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.12
Processing Host: V200T4

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	sample purged
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)
1 Dichlorodifluoromethane	85	2.553	2.557	(0.252)	823451	50.0000	45.4
2 Chloromethane	50	2.855	2.859	(0.282)	1468714	50.0000	50.8
3 Vinyl chloride	62	2.960	2.964	(0.293)	1052362	50.0000	48.1
4 Bromomethane	94	3.448	3.452	(0.341)	578375	50.0000	51.0
5 Chloroethane	64	3.645	3.649	(0.360)	235154	50.0000	40.0
6 Trichlorofluoromethane	101	3.843	3.847	(0.380)	922912	50.0000	50.5
7 Diethyl Ether	59	4.389	4.393	(0.434)	561244	50.0000	49.8
8 Tertiary-butyl alcohol	59	6.737	6.764	(0.666)	273668	250.000	223
9 1,1-Dichloroethene	96	4.691	4.695	(0.464)	616311	50.0000	49.0
10 Carbon Disulfide	76	4.726	4.730	(0.467)	1492469	50.0000	47.8
11 Freon-113	151	4.761	4.777	(0.471)	438976	50.0000	48.6
12 Iodomethane	142	4.947	4.951	(0.489)	403942	50.0000	41.1
13 Acrolein	56	5.354	5.369	(0.529)	678602	250.000	233
14 Methylene Chloride	84	5.795	5.811	(0.573)	1012018	50.0000	49.0
15 Acetone	43	5.970	5.985	(0.590)	1365623	250.000	228
16 Isobutyl Alcohol	43	10.339	10.355	(1.022)	592466	1000.00	976
17 trans-1,2-Dichloroethene	96	6.121	6.125	(0.605)	900314	50.0000	47.4
18 Allyl Chloride	41	5.586	5.590	(0.552)	1242007	50.0000	44.4
19 Methyl tert-butyl ether	73	6.400	6.415	(0.633)	3255863	100.000	101
20 Acetonitrile	39	7.004	7.019	(0.692)	245132	500.000	476
21 Di-isopropyl ether	45	7.306	7.322	(0.722)	3744655	50.0000	53.2
22 Chloroprene	53	7.469	7.484	(0.738)	1299038	50.0000	48.7
23 Propionitrile	54	10.060	10.064	(0.994)	937501	500.000	485

Data File: \\Target_server\GG\chem\gcms-t.i\T032808.b\T9838.D
Report Date: 02-Apr-2008 09:15

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)
	24 Methacrylonitrile	41	10.072	10.087	(0.995)	4953714	500.000	503
	25 1,1-Dichloroethane	63	7.538	7.542	(0.745)	1639676	50.0000	51.4
	26 Acrylonitrile	52	7.713	7.728	(0.762)	1181077	250.000	239
	27 Ethyl tertiary-butyl ether	59	8.131	8.147	(0.804)	2558319	50.0000	50.3
	28 Vinyl Acetate	43	8.166	8.182	(0.759)	2262769	50.0000	53.8
	29 cis-1,2-Dichloroethene	96	8.666	8.670	(0.856)	988113	50.0000	50.3
M	30 1,2-Dichloroethylene (total)	96				1888427	50.0000	97.7
	31 Methyl Methacrylate	41	11.582	11.586	(1.077)	724996	50.0000	50.8
	32 2,2-Dichloropropane	77	8.840	8.856	(0.874)	877309	50.0000	43.9
	33 Bromochloromethane	128	9.003	9.018	(0.890)	816513	50.0000	48.8
	34 Chloroform	83	9.154	9.158	(0.905)	1450799	50.0000	51.5
	35 Carbon Tetrachloride	117	9.316	9.320	(0.866)	505616	50.0000	39.1
	36 Tetrahydrofuran	42	9.386	9.402	(0.928)	1219571	250.000	258
$	37 Dibromofluoromethane	113	9.433	9.437	(0.932)	806875	50.0000	44.8
	38 1,1,1-Trichloroethane	97	9.433	9.437	(0.932)	1068941	50.0000	48.4
	39 1,1-Dichloropropene	75	9.618	9.622	(0.894)	1122260	50.0000	50.0
	40 2-Butanone	43	9.653	9.657	(0.954)	1958225	250.000	250
	41 Benzene	78	9.967	9.971	(0.927)	3483877	50.0000	52.8
*	42 Pentafluorobenzene	168	10.118	10.122	(1.000)	1314984	50.0000	
	43 Cyclohexane	56	8.956	8.972	(0.885)	1405485	50.0000	51.8
	44 Ethyl Methacrylate	69	13.140	13.144	(1.221)	907400	50.0000	52.4
$	45 1,2-Dichloroethane-D4	65	10.165	10.169	(1.005)	724556	50.0000	42.7
	46 Tertiary-amyl methyl ether	73	10.153	10.157	(1.003)	2031658	50.0000	50.3
	47 1,2-Dichloroethane	62	10.258	10.262	(0.954)	983732	50.0000	49.8
	48 Trichloroethene	95	10.711	10.715	(0.996)	867802	50.0000	49.1
*	49 1,4-Difluorobenzene	114	10.757	10.761	(1.000)	2208803	50.0000	
	50 Dibromomethane	93	11.199	11.203	(1.041)	501165	50.0000	48.9
	51 1,2-Dichloropropane	63	11.315	11.319	(1.052)	905749	50.0000	53.6
	52 Bromodichloromethane	83	11.385	11.389	(1.058)	1072263	50.0000	53.5
	53 cis-1,3-dichloropropene	75	12.140	12.144	(1.129)	1345343	50.0000	54.2
	54 1,4-Dioxane	88	11.640	11.644	(1.082)	130413	1000.00	820
$	55 Toluene-D8	98	12.361	12.365	(1.149)	2591513	50.0000	46.5
	56 2-Chloroethylvinylether	63	12.070	12.074	(1.122)	133065	50.0000	61.3
	57 Toluene	92	12.431	12.435	(1.156)	2132765	50.0000	52.2
	58 4-methyl-2-pentanone	43	12.919	12.923	(1.201)	3825962	250.000	261
	59 Tetrachloroethene	164	12.896	12.900	(0.900)	657610	50.0000	47.4
	60 trans-1,3-Dichloropropene	75	12.954	12.958	(1.204)	984136	50.0000	50.8
	61 1,1,2-Trichloroethane	83	13.151	13.167	(1.223)	569618	50.0000	51.1
	62 Dibromochloromethane	129	13.384	13.388	(0.934)	744526	50.0000	49.6
	63 1,3-Dichloropropane	76	13.500	13.504	(0.942)	1227489	50.0000	50.7
	64 1,2-Dibromoethane	107	13.686	13.690	(1.272)	695652	50.0000	48.5
	65 2-Hexanone	43	13.953	13.957	(0.974)	2704887	250.000	254
*	66 Chlorobenzene-D5	117	14.325	14.329	(1.000)	1834563	50.0000	
	67 Chlorobenzene	112	14.348	14.352	(1.002)	2096263	50.0000	49.5
	152 1-Chlorohexane	91	14.302	14.306	(1.413)	1316354	50.0000	49.0
	68 Ethylbenzene	106	14.371	14.375	(1.003)	1129527	50.0000	49.7
	69 1,1,1,2-Tetrachloroethane	131	14.429	14.433	(1.007)	687635	50.0000	49.2
M	70 Xylenes (total)	106				4103975	150.000	151
	71 m+p-Xylenes	106	14.557	14.561	(1.016)	2748097	100.000	101
	72 o-Xylene	106	15.127	15.131	(1.056)	1355878	50.0000	50.7
	73 Styrene	104	15.196	15.200	(1.061)	2321862	50.0000	51.5
	74 Bromoform	173	15.254	15.259	(1.065)	492278	50.0000	47.4
	75 Isopropylbenzene	105	15.533	15.537	(0.887)	3027456	50.0000	49.5
$	76 P-Bromofluorobenzene	95	15.940	15.944	(1.482)	1058062	50.0000	47.0

Data File: \\Target_server\GG\chem\gcms-t.i\T032808.b\T9838.D
Report Date: 02-Apr-2008 09:15

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)
	77 cis-1,4-Dichloro-2-Butene	53	16.033	16.037	(0.916)	212031	50.0000	47.7
	78 trans-1,4-Dichloro-2-Butene	53	16.463	16.466	(0.940)	211267	50.0000	48.2
	79 Bromobenzene	156	16.091	16.094	(0.919)	850357	50.0000	48.2
	80 N-Propylbenzene	91	16.103	16.107	(0.920)	4094567	50.0000	47.4
	81 1,1,2,2-Tetrachloroethane	83	16.207	16.210	(0.926)	790034	50.0000	49.3
	82 1,3,5-Trimethylbenzene	105	16.370	16.373	(0.935)	2708540	50.0000	50.2
	83 2-Chlorotoluene	91	16.335	16.338	(0.933)	2736531	50.0000	50.9
	84 1,2,3-Trichloropropane	75	16.417	16.421	(0.938)	584440	50.0000	47.5
	85 4-Chlorotoluene	91	16.568	16.572	(0.946)	2504398	50.0000	51.2
	86 tert-Butylbenzene	119	16.823	16.827	(0.961)	2444417	50.0000	50.3
	87 Pentachloroethane	117	16.870	16.873	(0.963)	570872	50.0000	52.6
	88 1,2,4-Trimethylbenzene	105	16.928	16.920	(0.967)	2775694	50.0000	51.8
	89 P-Isopropyltoluene	119	17.276	17.280	(0.987)	2828165	50.0000	50.4
	90 1,3-Dichlorobenzene	146	17.404	17.408	(0.994)	1567185	50.0000	47.5
*	91 1,4-Dichlorobenzene-D4	152	17.509	17.513	(1.000)	928023	50.0000	
	92 1,4-Dichlorobenzene	146	17.532	17.536	(1.001)	1524898	50.0000	52.4
	93 N-Butylbenzene	91	17.892	17.896	(1.022)	2727649	50.0000	52.2
	94 sec-Butylbenzene	105	17.079	17.082	(0.975)	3631502	50.0000	49.1
	95 1,2-Dichlorobenzene	146	18.148	18.152	(1.037)	1427392	50.0000	49.0
	96 1,2-Dibromo-3-Chloropropane	75	19.345	19.349	(1.105)	100228	50.0000	32.9
	97 1,3,5-Trichlorobenzene	180	19.391	19.384	(1.108)	979894	50.0000	45.9
	98 Hexachlorobutadiene	225	20.309	20.313	(1.160)	368568	50.0000	42.4
	99 1,2,4-Trichlorobenzene	180	20.379	20.383	(1.164)	834636	50.0000	46.4
	100 1,2,3-Trimethylbenzene	105	17.555	17.559	(1.003)	2586252	50.0000	50.6
	101 Naphthalene	128	20.891	20.895	(1.193)	1461333	50.0000	48.3
	102 1,2,3-Trichlorobenzene	180	21.169	21.173	(1.209)	714866	50.0000	46.4
	103 Methyl Acetate	43	6.225	6.241	(0.615)	732536	50.0000	48.2
	104 Methylcyclohexane	83	10.676	10.680	(1.055)	1449410	50.0000	52.2
M	153 Total Alkylbenzenes	100				21210534	50.0000	351

Data File: \\Target_server\GG\chem\gcms-t.i\T032808.b\T9838.D
Report Date: 02-Apr-2008 09:15

Katahdin Analytical Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcms-t.i
Lab File ID: T9838.D
Lab Smp Id: VSTD050T28A
Analysis Type: VOA
Quant Type: ISTD
Operator: HCG
Method File: \\target_server\GG\chem\gcms-t.i\T032808.b\T826a80.m
Misc Info: SW846 8260B

Calibration Date: 28-MAR-2008
Calibration Time: 09:37

Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 4

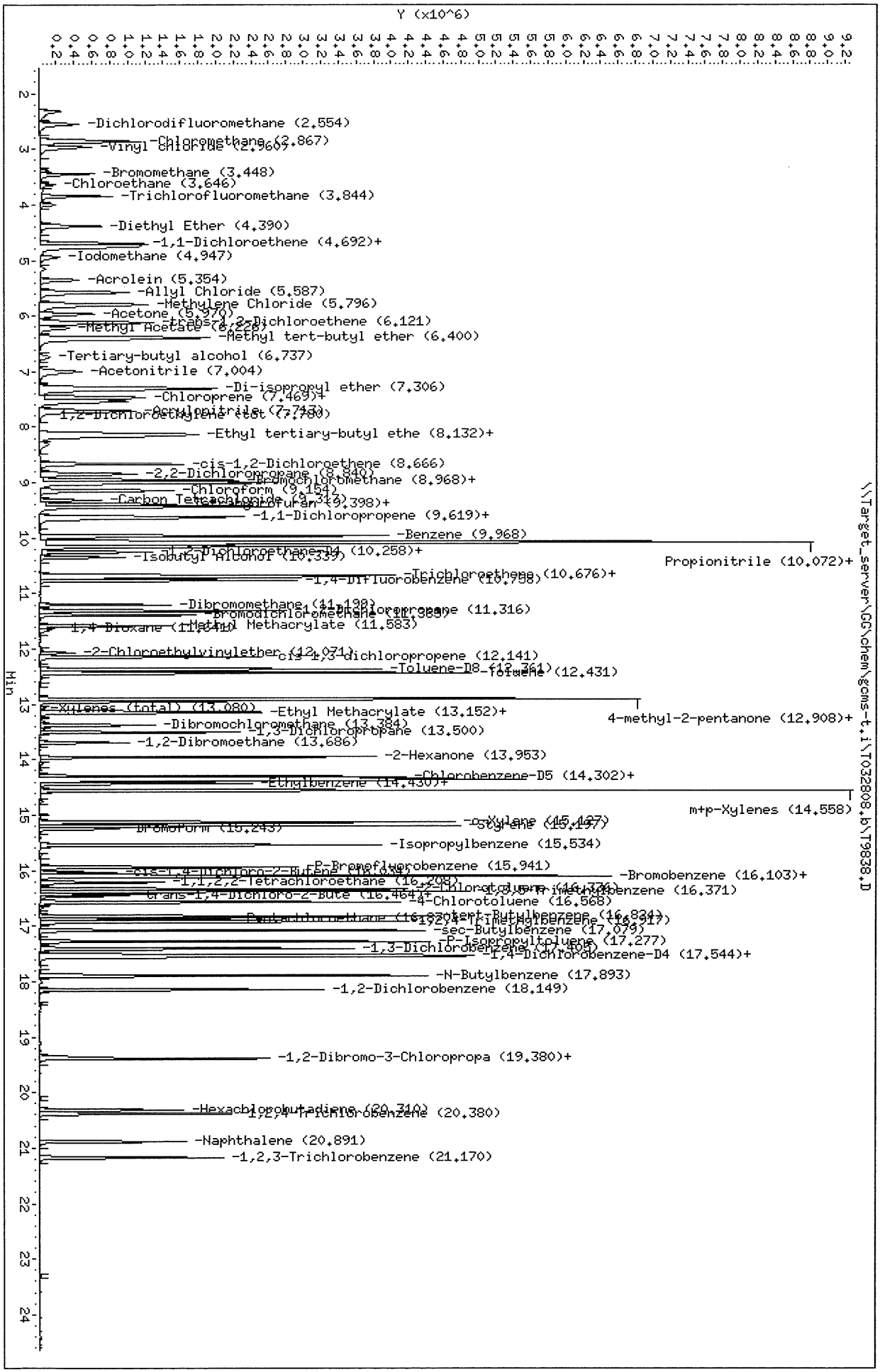
COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	1232835	616418	2465670	1314984	6.66
49 1,4-Difluorobenze	2048763	1024382	4097526	2208803	7.81
66 Chlorobenzene-D5	1686361	843181	3372722	1834563	8.79
91 1,4-Dichlorobenze	864264	432132	1728528	928023	7.38

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	10.12	9.62	10.62	10.12	-0.03
49 1,4-Difluorobenze	10.76	10.26	11.26	10.76	-0.03
66 Chlorobenzene-D5	14.33	13.83	14.83	14.33	-0.02
91 1,4-Dichlorobenze	17.51	17.01	18.01	17.51	-0.02

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.

Data File: \\Target_server\GC\chem\gcms-t.i\T032808.b\T9838.D
Date : 28-MAR-2008 09:37
Client ID:
Sample Info: VSTD050T28A
Purge Volume: 5.0
Column phase: RTX-VMS

Instrument: gcms-t.i
Operator: HCG
Column diameter: 0.18



FORM 7B
VOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 426 NLON SDG No.: CTO426-2

Instrument ID: GCMS-T Calibration Date: 04/01/08 Time: 1139

Lab File ID: T9874 Init. Calib. Date(s): 03/26/08 03/26/08

Init. Calib. Times: 1117 1356

GC Column: RTX-VMS ID: 0.18 (mm)

COMPOUND	RRF OR AMOUNT	RRF50.000 OR AMOUNT	MIN RRF	%D OR %DRIFT	MAX %D OR %DRIFT	CURV TYPE	
Methyl tert-butyl ether	1.2250000	1.1933000	0.01	-2.59		AVRG	
Benzene	1.4930000	1.5740000	0.01	5.42		AVRG	
Toluene	0.9240000	0.9452800	0.01	2.30	20.00	AVRG	
Ethylbenzene	0.6190000	0.6062700	0.01	-2.06	20.00	AVRG	
Xylenes (total)	0.0000000	0.7442500	0.01	0.00		AVRG	<-
m+p-Xylenes	0.7430000	0.7501800	0.01	0.97		AVRG	
o-Xylene	0.7290000	0.7323800	0.01	0.46		AVRG	
Isopropylbenzene	3.2920000	3.2848000	0.01	-0.22		AVRG	
Naphthalene	1.6290000	1.6195000	0.01	-0.58		AVRG	
Dibromofluoromethane	0.6850000	0.6112100	0.01	-10.77		AVRG	
1,2-Dichloroethane-D4	0.6450000	0.5608900	0.01	-13.04		AVRG	
Toluene-D8	1.2610000	1.1898000	0.01	-5.65		AVRG	
P-Bromofluorobenzene	0.5090000	0.4815800	0.01	-5.39		AVRG	

FORM VII VOA

Data File: \\Target_server\GG\chem\gcms-t.i\T040108.b\T9874.D
Report Date: 02-Apr-2008 09:15

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gcms-t.i\T040108.b\T9874.D
Lab Smp Id: VSTD050T01A
Inj Date : 01-APR-2008 11:39 MS Autotune Date: 05-MAR-2008 13:39
Operator : HCG Inst ID: gcms-t.i
Smp Info : VSTD050T01A
Misc Info : SW846 8260B
Comment :
Method : \\Target_server\GG\chem\gcms-t.i\T040108.b\T826a80.m
Meth Date : 01-Apr-2008 12:04 hgroshong Quant Type: ISTD
Cal Date : 26-MAR-2008 13:56 Cal File: T9813.D
Als bottle: 2 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.12
Processing Host: MIS_2

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	sample purged
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	ON-COL (ug/l)
1 Dichlorodifluoromethane	85	2.553	2.557	(0.252)	855176	50.0000	43.9
2 Chloromethane	50	2.855	2.859	(0.282)	1491716	50.0000	48.1
3 Vinyl chloride	62	2.960	2.964	(0.293)	1109993	50.0000	47.3
4 Bromomethane	94	3.448	3.452	(0.341)	529852	50.0000	44.1
5 Chloroethane	64	3.646	3.649	(0.360)	239648	50.0000	38.0
6 Trichlorofluoromethane	101	3.843	3.847	(0.380)	996841	50.0000	50.9
7 Diethyl Ether	59	4.389	4.393	(0.434)	625944	50.0000	51.8
8 Tertiary-butyl alcohol	59	6.737	6.764	(0.666)	306315	250.000	232
9 1,1-Dichloroethene	96	4.691	4.695	(0.464)	634254	50.0000	47.0
10 Carbon Disulfide	76	4.726	4.730	(0.467)	1594133	50.0000	47.7
11 Freon-113	151	4.761	4.777	(0.471)	484423	50.0000	50.1
12 Iodomethane	142	4.947	4.951	(0.489)	562817	50.0000	53.4
13 Acrolein	56	5.354	5.369	(0.529)	833731	250.000	268
14 Methylene Chloride	84	5.807	5.811	(0.574)	1052399	50.0000	47.6
15 Acetone	43	5.970	5.985	(0.590)	1446666	250.000	226
16 Isobutyl Alcohol	43	10.339	10.355	(1.022)	639091	1000.00	983
17 trans-1,2-Dichloroethene	96	6.121	6.125	(0.605)	939452	50.0000	46.2
18 Allyl Chloride	41	5.586	5.590	(0.552)	1530841	50.0000	50.1
19 Methyl tert-butyl ether	73	6.400	6.415	(0.633)	3363294	100.000	97.4
20 Acetonitrile	39	7.004	7.019	(0.692)	263590	500.000	477
21 Di-isopropyl ether	45	7.306	7.322	(0.722)	4172222	50.0000	55.3
22 Chloroprene	53	7.469	7.484	(0.738)	1450157	50.0000	50.7
23 Propionitrile	54	10.060	10.064	(0.994)	1071952	500.000	518

Data File: \\Target_server\GG\chem\gcms-t.i\T040108.b\T9874.D
Report Date: 02-Apr-2008 09:15

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)
	24 Methacrylonitrile	41	10.083	10.087	(0.997)	5594632	500.000	530
	25 1,1-Dichloroethane	63	7.539	7.542	(0.745)	1718350	50.0000	50.2
	26 Acrylonitrile	52	7.713	7.728	(0.762)	1370369	250.000	259
	27 Ethyl tertiary-butyl ether	59	8.131	8.147	(0.804)	2770491	50.0000	50.8
	28 Vinyl Acetate	43	8.166	8.182	(0.759)	2408423	50.0000	54.8
	29 cis-1,2-Dichloroethene	96	8.666	8.670	(0.856)	1017912	50.0000	48.4
M	30 1,2-Dichloroethylene (total)	96				1957364	50.0000	94.6
	31 Methyl Methacrylate	41	11.583	11.586	(1.077)	830143	50.0000	55.7
	32 2,2-Dichloropropane	77	8.840	8.856	(0.874)	955532	50.0000	44.6
	33 Bromochloromethane	128	9.003	9.018	(0.890)	848157	50.0000	47.3
	34 Chloroform	83	9.154	9.158	(0.905)	1496267	50.0000	49.6
	35 Carbon Tetrachloride	117	9.317	9.320	(0.866)	643638	50.0000	46.7
	36 Tetrahydrofuran	42	9.398	9.402	(0.929)	1300775	250.000	257
$	37 Dibromofluoromethane	113	9.433	9.437	(0.932)	861312	50.0000	44.6
	38 1,1,1-Trichloroethane	97	9.433	9.437	(0.932)	1103773	50.0000	46.6
	39 1,1-Dichloropropene	75	9.619	9.622	(0.894)	1196828	50.0000	51.0
	40 2-Butanone	43	9.654	9.657	(0.954)	2117968	250.000	253
	41 Benzene	78	9.967	9.971	(0.927)	3634412	50.0000	52.7
*	42 Pentafluorobenzene	168	10.118	10.122	(1.000)	1409194	50.0000	
	43 Cyclohexane	56	8.968	8.972	(0.886)	1494448	50.0000	51.4
	44 Ethyl Methacrylate	69	13.140	13.144	(1.221)	1025558	50.0000	56.7
$	45 1,2-Dichloroethane-D4	65	10.165	10.169	(1.005)	790403	50.0000	43.5
	46 Tertiary-amyl methyl ether	73	10.153	10.157	(1.003)	2230056	50.0000	51.6
	47 1,2-Dichloroethane	62	10.258	10.262	(0.954)	1026948	50.0000	49.7
	48 Trichloroethene	95	10.711	10.715	(0.996)	872954	50.0000	47.2
*	49 1,4-Difluorobenzene	114	10.757	10.761	(1.000)	2309084	50.0000	
	50 Dibromomethane	93	11.199	11.203	(1.041)	522785	50.0000	48.8
	51 1,2-Dichloropropane	63	11.315	11.319	(1.052)	939999	50.0000	53.2
	52 Bromodichloromethane	83	11.385	11.389	(1.058)	1116638	50.0000	53.3
	53 cis-1,3-dichloropropene	75	12.140	12.144	(1.129)	1404588	50.0000	54.1
	54 1,4-Dioxane	88	11.641	11.644	(1.082)	126715	1000.00	762
$	55 Toluene-D8	98	12.373	12.365	(1.150)	2747436	50.0000	47.2
	56 2-Chloroethylvinylether	63	12.071	12.074	(1.122)	63593	50.0000	29.1
	57 Toluene	92	12.431	12.435	(1.156)	2182727	50.0000	51.2
	58 4-methyl-2-pentanone	43	12.919	12.923	(1.201)	4109108	250.000	268
	59 Tetrachloroethene	164	12.907	12.900	(0.901)	675168	50.0000	47.1
	60 trans-1,3-Dichloropropene	75	12.954	12.958	(1.204)	1048954	50.0000	51.8
	61 1,1,2-Trichloroethane	83	13.163	13.167	(1.224)	602378	50.0000	51.7
	62 Dibromochloromethane	129	13.384	13.388	(0.934)	794541	50.0000	51.2
	63 1,3-Dichloropropane	76	13.500	13.504	(0.942)	1286542	50.0000	51.4
	64 1,2-Dibromoethane	107	13.686	13.690	(1.272)	730562	50.0000	48.7
	65 2-Hexanone	43	13.953	13.957	(0.974)	2930154	250.000	266
*	66 Chlorobenzene-D5	117	14.325	14.329	(1.000)	1896005	50.0000	
	67 Chlorobenzene	112	14.348	14.352	(1.002)	2132186	50.0000	48.7
	152 1-Chlorohexane	91	14.302	14.306	(1.413)	1373522	50.0000	47.7
	68 Ethylbenzene	106	14.371	14.375	(1.003)	1149485	50.0000	49.0
	69 1,1,1,2-Tetrachloroethane	131	14.430	14.433	(1.007)	742781	50.0000	51.5
M	70 Xylenes (total)	106				4233287	150.000	151
	71 m+p-Xylenes	106	14.557	14.561	(1.016)	2844693	100.000	101
	72 o-Xylene	106	15.127	15.131	(1.056)	1388594	50.0000	50.2
	73 Styrene	104	15.197	15.200	(1.061)	2399367	50.0000	51.5
	74 Bromoform	173	15.255	15.259	(1.065)	530420	50.0000	49.5
	75 Isopropylbenzene	105	15.545	15.537	(0.888)	3158484	50.0000	49.9
$	76 P-Bromofluorobenzene	95	15.940	15.944	(1.482)	1112004	50.0000	47.3

Data File: \\Target_server\GG\chem\gcms-t.i\T040108.b\T9874.D
Report Date: 02-Apr-2008 09:15

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)
77 cis-1,4-Dichloro-2-Butene	53	16.033	16.037	(0.916)	259823	50.0000	56.4
78 trans-1,4-Dichloro-2-Butene	53	16.463	16.466	(0.940)	260922	50.0000	57.5
79 Bromobenzene	156	16.091	16.094	(0.919)	881347	50.0000	48.2
80 N-Propylbenzene	91	16.103	16.107	(0.920)	4211484	50.0000	47.0
81 1,1,2,2-Tetrachloroethane	83	16.208	16.210	(0.926)	834781	50.0000	50.3
82 1,3,5-Trimethylbenzene	105	16.370	16.373	(0.935)	2772551	50.0000	49.6
83 2-Chlorotoluene	91	16.335	16.338	(0.933)	2804785	50.0000	50.3
84 1,2,3-Trichloropropane	75	16.417	16.421	(0.938)	618310	50.0000	48.5
85 4-Chlorotoluene	91	16.568	16.572	(0.946)	2560482	50.0000	50.6
86 tert-Butylbenzene	119	16.823	16.827	(0.961)	2544051	50.0000	50.5
87 Pentachloroethane	117	16.870	16.873	(0.963)	610920	50.0000	54.3
88 1,2,4-Trimethylbenzene	105	16.928	16.920	(0.967)	2858548	50.0000	51.5
89 P-Isopropyltoluene	119	17.277	17.280	(0.987)	2955065	50.0000	50.8
90 1,3-Dichlorobenzene	146	17.404	17.408	(0.994)	1605452	50.0000	46.9
* 91 1,4-Dichlorobenzene-D4	152	17.509	17.513	(1.000)	961550	50.0000	
92 1,4-Dichlorobenzene	146	17.532	17.536	(1.001)	1565791	50.0000	51.9
93 N-Butylbenzene	91	17.893	17.896	(1.022)	2835008	50.0000	52.3
94 sec-Butylbenzene	105	17.079	17.082	(0.975)	3789216	50.0000	49.4
95 1,2-Dichlorobenzene	146	18.148	18.152	(1.037)	1471128	50.0000	48.7
96 1,2-Dibromo-3-Chloropropane	75	19.345	19.349	(1.105)	138994	50.0000	44.1
97 1,3,5-Trichlorobenzene	180	19.392	19.384	(1.108)	1076016	50.0000	48.6
98 Hexachlorobutadiene	225	20.321	20.313	(1.161)	389877	50.0000	43.3
99 1,2,4-Trichlorobenzene	180	20.379	20.383	(1.164)	861868	50.0000	46.3
100 1,2,3-Trimethylbenzene	105	17.556	17.559	(1.003)	2808653	50.0000	53.1
101 Naphthalene	128	20.891	20.895	(1.193)	1557218	50.0000	49.7
102 1,2,3-Trichlorobenzene	180	21.170	21.173	(1.209)	748971	50.0000	46.9
103 Methyl Acetate	43	6.225	6.241	(0.615)	842878	50.0000	51.7
104 Methylcyclohexane	83	10.676	10.680	(1.055)	1588269	50.0000	53.4
M 153 Total Alkylbenzenes	100				21965923	50.0000	351

Data File: \\Target_server\GG\chem\gcms-t.i\T040108.b\T9874.D
Report Date: 02-Apr-2008 09:15

Katahdin Analytical Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcms-t.i
Lab File ID: T9874.D
Lab Smp Id: VSTD050T01A
Analysis Type: VOA
Quant Type: ISTD
Operator: HCG
Method File: \\Target_server\GG\chem\gcms-t.i\T040108.b\T826a80.m
Misc Info: SW846 8260B

Calibration Date: 01-APR-2008
Calibration Time: 11:39

Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 4

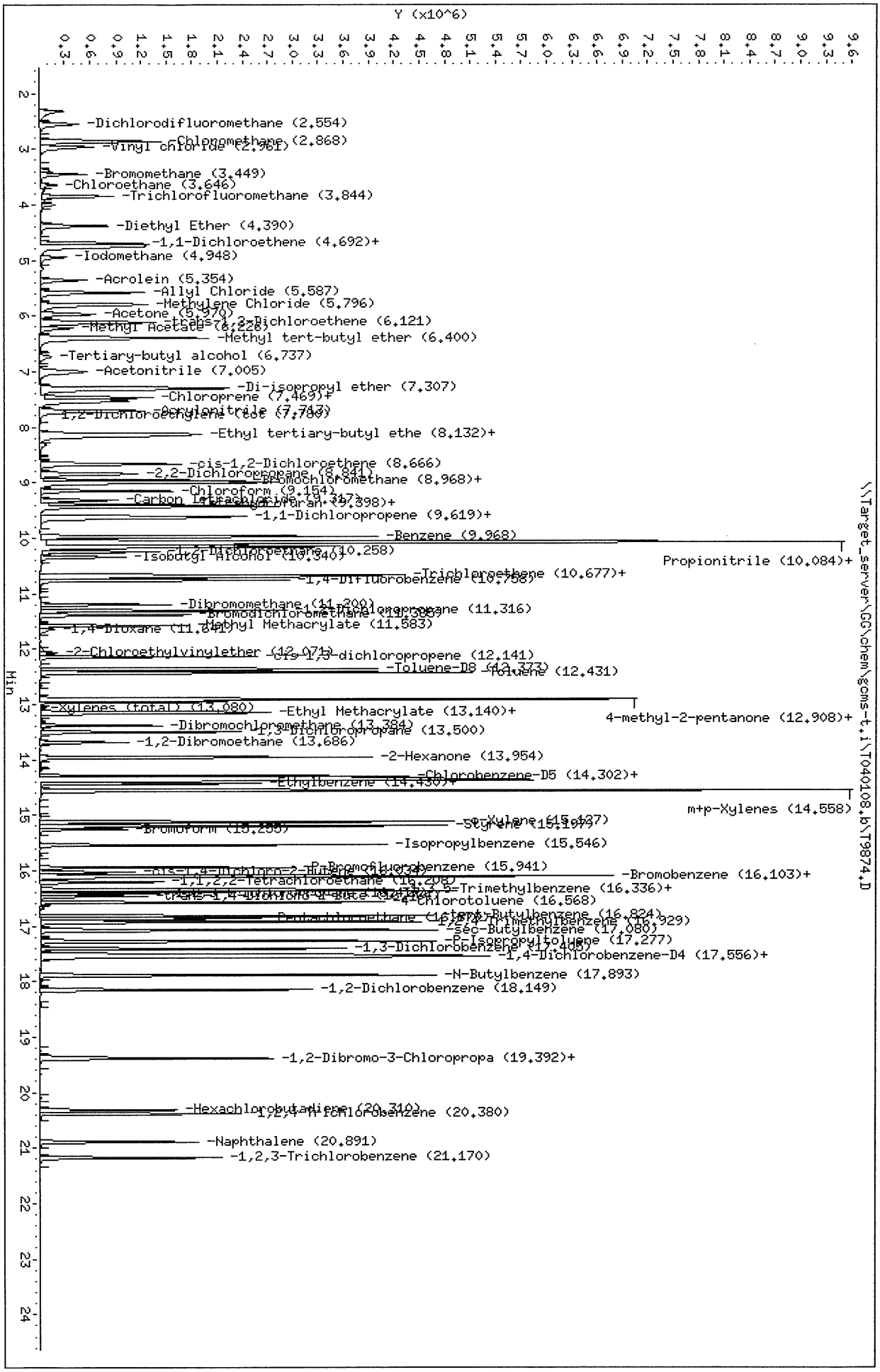
COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	1232835	616418	2465670	1409194	14.31
49 1,4-Difluorobenze	2048763	1024382	4097526	2309084	12.71
66 Chlorobenzene-D5	1686361	843181	3372722	1896005	12.43
91 1,4-Dichlorobenze	864264	432132	1728528	961550	11.26

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	10.12	9.62	10.62	10.12	-0.03
49 1,4-Difluorobenze	10.76	10.26	11.26	10.76	-0.03
66 Chlorobenzene-D5	14.33	13.83	14.83	14.33	-0.02
91 1,4-Dichlorobenze	17.51	17.01	18.01	17.51	-0.02

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.

Data File: \\Target_server\GC\chem\gcms-t.i\T040108.b\T9874.D
Date : 01-APR-2008 11:39
Client ID:
Sample Info: VSTD050T01A
Purge Volume: 5.0
Column phase: RTX-VMS

Instrument: gcms-t.i
Operator: HCG
Column diameter: 0.18



Data File: \\Target_server\GG\chem\gcms-t.i\T032608.b\TB590.D

Date : 26-MAR-2008 08:13

Client ID:

Instrument: gcms-t.i

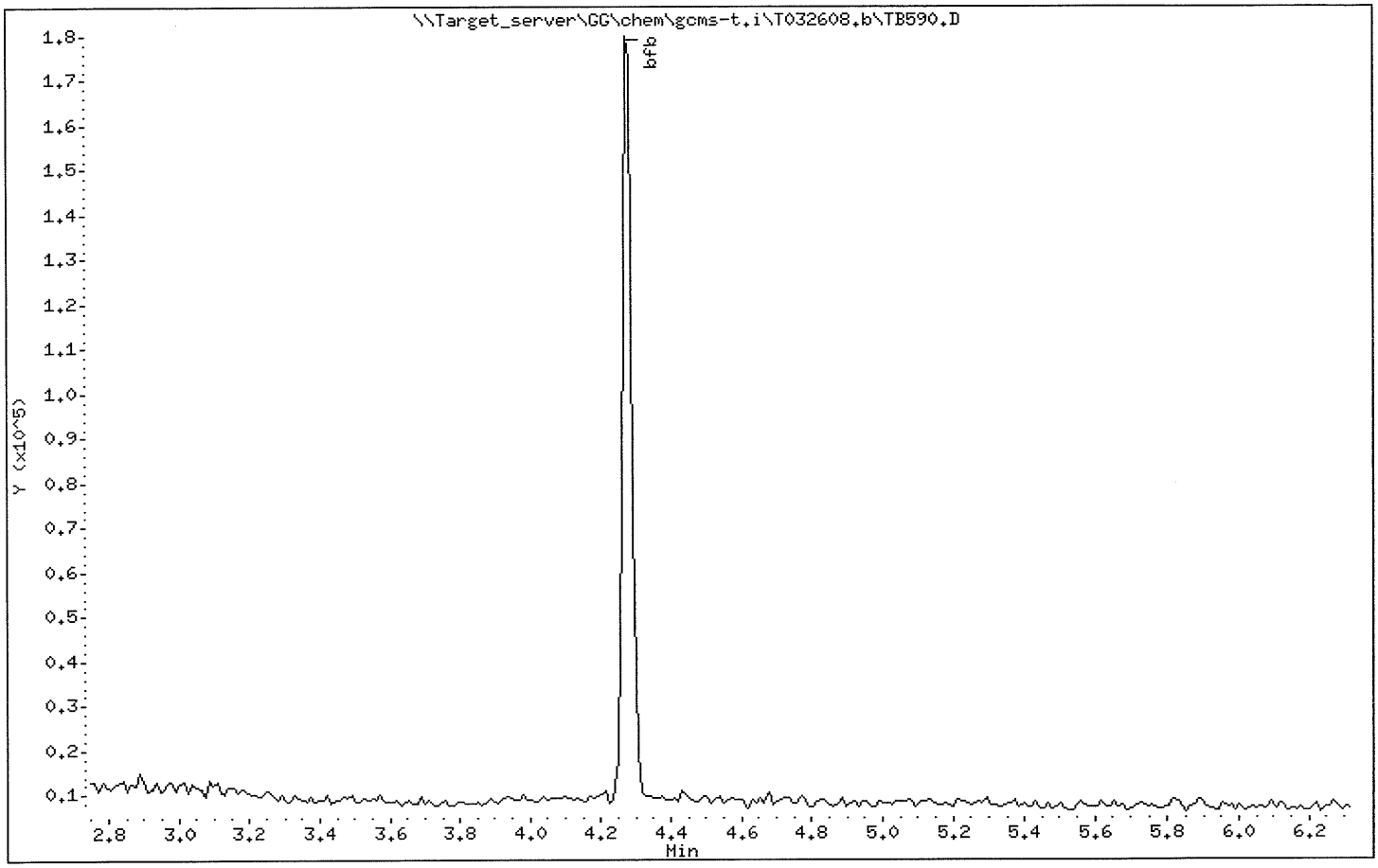
Sample Info: 50NG BFB

Volume Injected (uL): 1.0

Operator: HCG

Column phase: RTX-VMS

Column diameter: 0.18



Data File: \\Target_server\GC\chem\gcms-t.i\T032608.b\TB590.D

Date : 26-MAR-2008 08:13

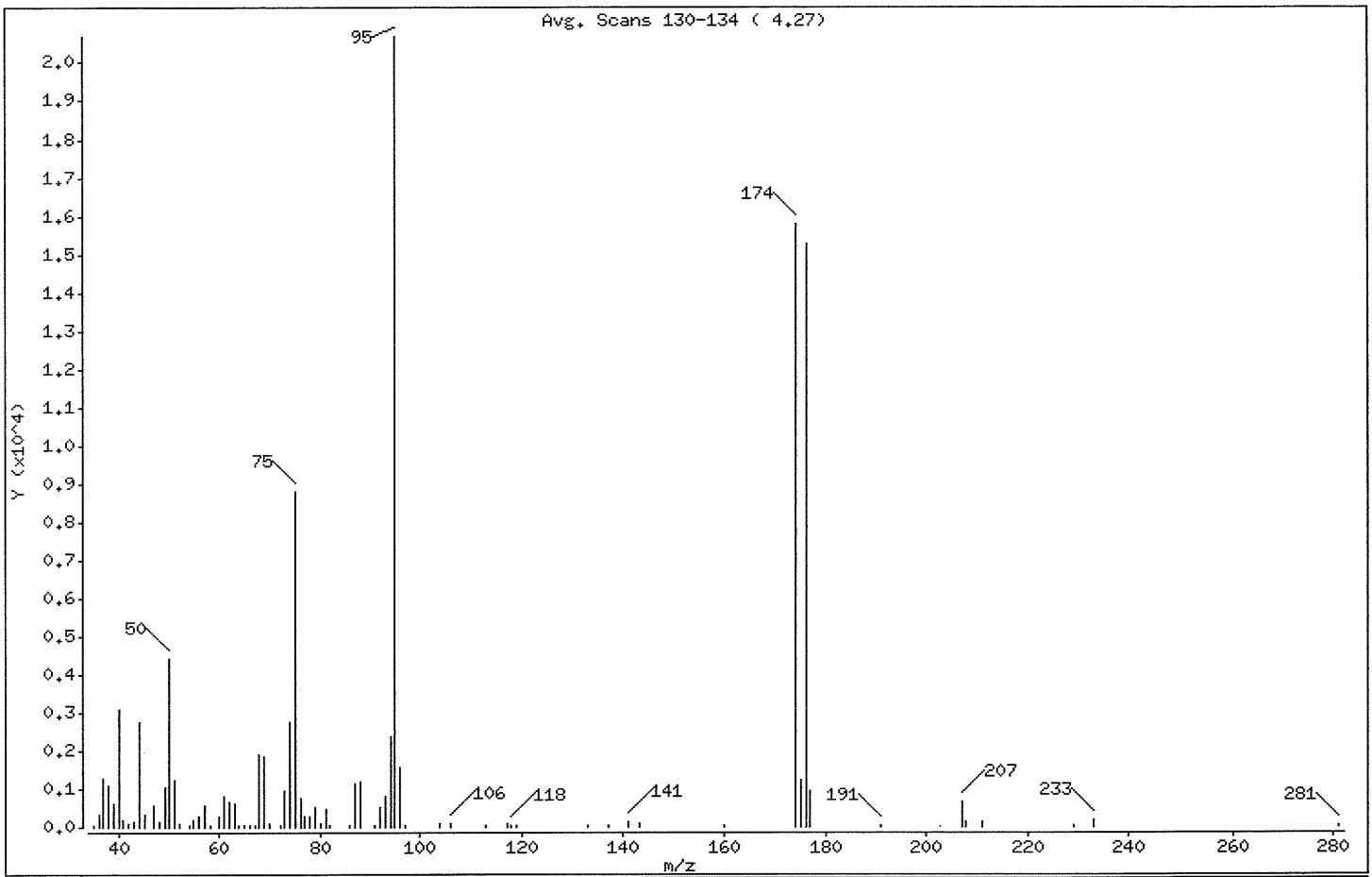
Client ID: | Instrument: gcms-t.i

Sample Info: 50NG BFB

Volume Injected (uL): 1.0 | Operator: HCG

Column phase: RTX-VMS | Column diameter: 0.18

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	21.44
75	30.00 - 60.00% of mass 95	42.43
96	5.00 - 9.00% of mass 95	7.66
173	Less than 2.00% of mass 174	0.00 (0.00)
174	Greater than 50.00% of mass 95	76.22
175	5.00 - 9.00% of mass 174	6.01 (7.88)
176	95.00 - 101.00% of mass 174	73.70 (96.70)
177	5.00 - 9.00% of mass 176	4.67 (6.34)

Data File: \\Target_server\GC\chem\gcms-t.i\T032608.b\TB590.D

Date : 26-MAR-2008 08:13

Client ID: Instrument: gcms-t.i

Sample Info: 50NG BFB

Volume Injected (uL): 1.0 Operator: HCG

Column phase: RTX-VMS Column diameter: 0.18

Data File: TB590.D
Spectrum: Avg. Scans 130-134 (4.27)
Location of Maximum: 95.00
Number of points: 76

m/z	Y	m/z	Y	m/z	Y	m/z	Y
35.00	49	57.00	557	79.00	506	133.00	38
36.00	318	58.00	38	80.00	90	137.00	37
37.00	1289	60.00	262	81.00	464	141.00	149
38.00	1078	61.00	802	82.00	45	143.00	117
39.00	616	62.00	686	86.00	36	160.00	31
40.00	3090	63.00	601	87.00	1120	174.00	15769
41.00	210	64.00	57	88.00	1172	175.00	1243
42.00	100	65.00	37	91.00	31	176.00	15248
43.00	152	66.00	71	92.00	507	177.00	967
44.00	2752	67.00	33	93.00	802	191.00	40
45.00	313	68.00	1919	94.00	2393	207.00	681
47.00	561	69.00	1860	95.00	20688	208.00	139
48.00	129	70.00	104	96.00	1584	211.00	156
49.00	1025	72.00	30	97.00	31	229.00	39
50.00	4435	73.00	929	104.00	78	233.00	185
51.00	1252	74.00	2755	106.00	87	281.00	36
52.00	113	75.00	8777	113.00	32		
54.00	38	76.00	752	117.00	74		
55.00	192	77.00	290	118.00	68		
56.00	307	78.00	282	119.00	59		

Data File: \\Target_server\GC\chem\gcms-t.i\T032708.b\TB591.D

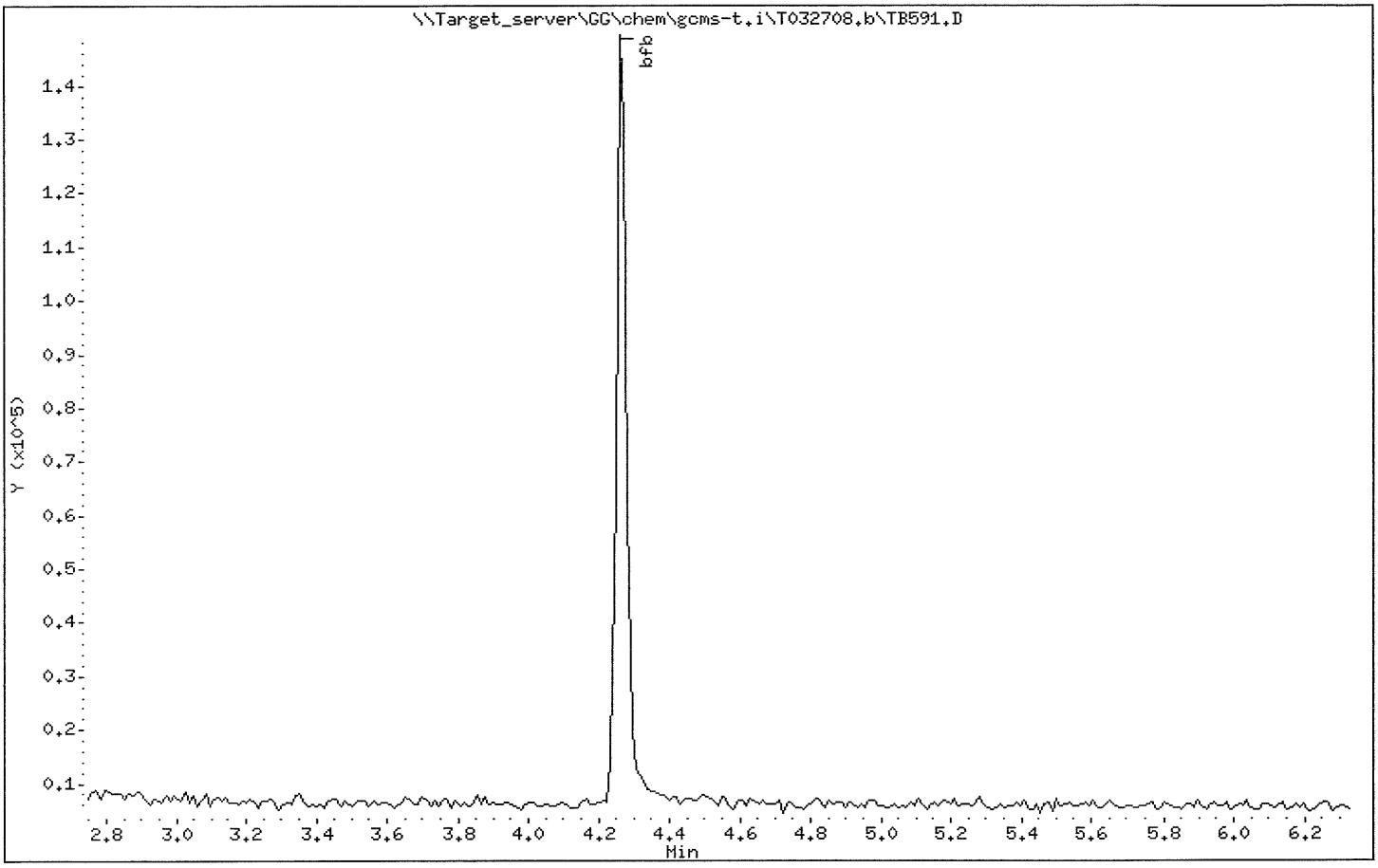
Date : 27-MAR-2008 08:31

Client ID: Instrument: gcms-t.i

Sample Info: 50NG BFB

Volume Injected (uL): 1.0 Operator: HCG

Column phase: RTX-VMS Column diameter: 0.18



Data File: \\Target_server\GG\chem\gcms-t.i\T032708.b\TB591.D

Date : 27-MAR-2008 08:31

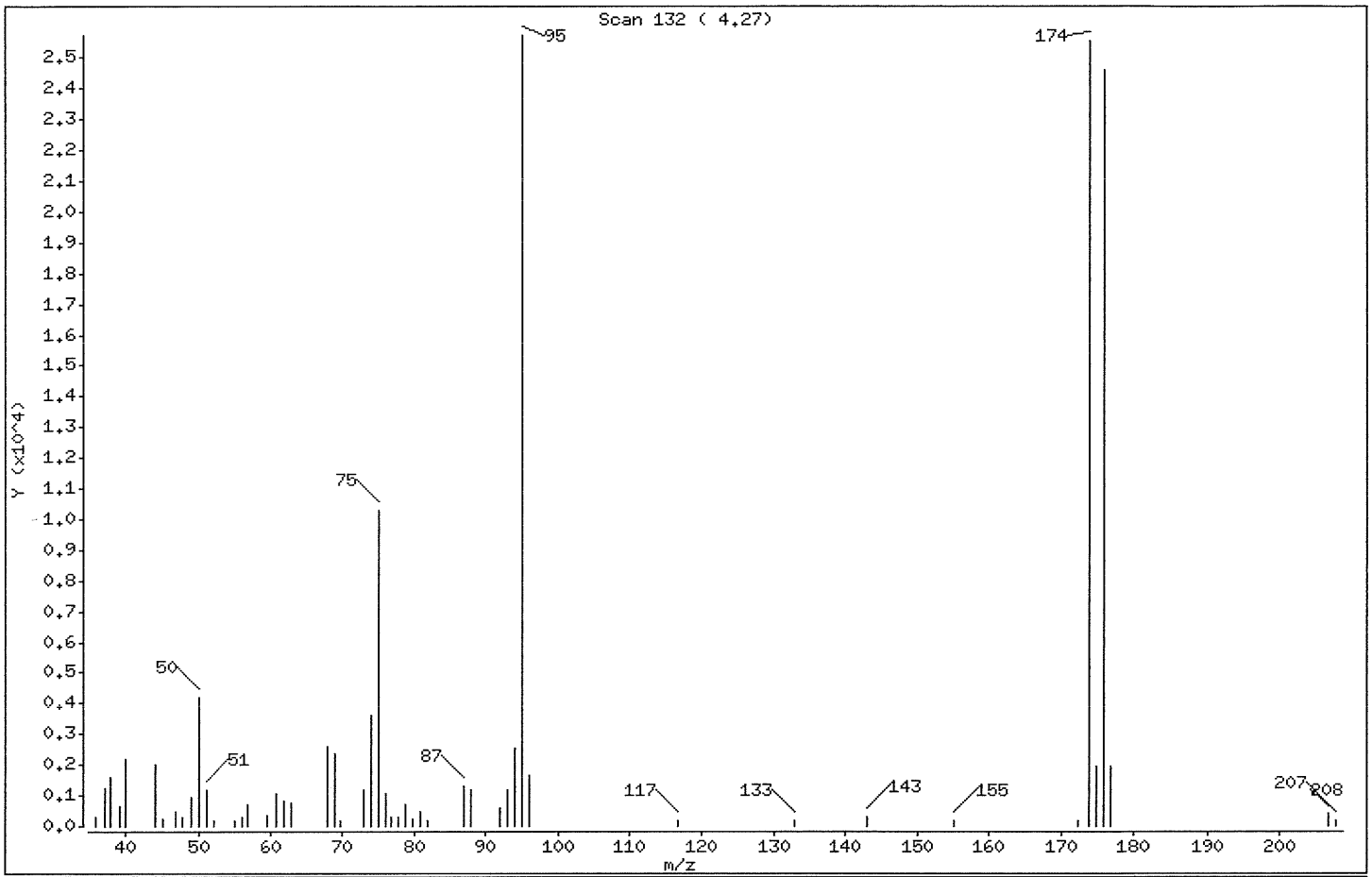
Client ID: | Instrument: gcms-t.i

Sample Info: 50NG BFB

Volume Injected (uL): 1.0 | Operator: HCG

Column phase: RTX-VMS | Column diameter: 0.18

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	16.22
75	30.00 - 60.00% of mass 95	39.92
96	5.00 - 9.00% of mass 95	6.45
173	Less than 2.00% of mass 174	0.00 (0.00)
174	Greater than 50.00% of mass 95	99.38
175	5.00 - 9.00% of mass 174	7.63 (7.68)
176	95.00 - 101.00% of mass 174	95.71 (96.31)
177	5.00 - 9.00% of mass 176	7.52 (7.86)

Data File: \\Target_server\GG\chem\gcms-t.i\T032708.b\TB591.D

Date : 27-MAR-2008 08:31

Client ID: Instrument: gcms-t.i

Sample Info: 50NG BFB

Volume Injected (uL): 1.0 Operator: HCG

Column phase: RTX-VMS Column diameter: 0.18

Data File: TB591.D
Spectrum: Scan 132 (4.27)
Location of Maximum: 94.95
Number of points: 51

m/z	Y	m/z	Y	m/z	Y	m/z	Y
35.85	318	54.95	157	76.00	1046	96.05	1659
37.05	1214	55.95	311	76.90	275	116.80	152
37.95	1613	56.95	722	77.80	310	133.00	157
39.05	652	59.65	381	78.70	710	142.95	302
39.95	2163	60.90	1040	79.80	230	155.05	162
43.95	1989	62.00	822	80.80	472	172.40	172
44.95	255	63.00	751	81.80	174	173.90	25576
46.85	485	67.90	2619	86.85	1324	174.90	1963
47.75	280	69.00	2347	87.85	1161	175.90	24632
48.95	945	69.80	190	91.95	600	176.90	1935
49.95	4175	72.90	1190	92.95	1159	206.95	423
50.95	1181	74.00	3580	93.95	2515	207.95	191
51.95	161	75.00	10275	94.95	25736		

Data File: \\Target_server\GC\chem\gcms-t.i\T032808.b\TB592.D

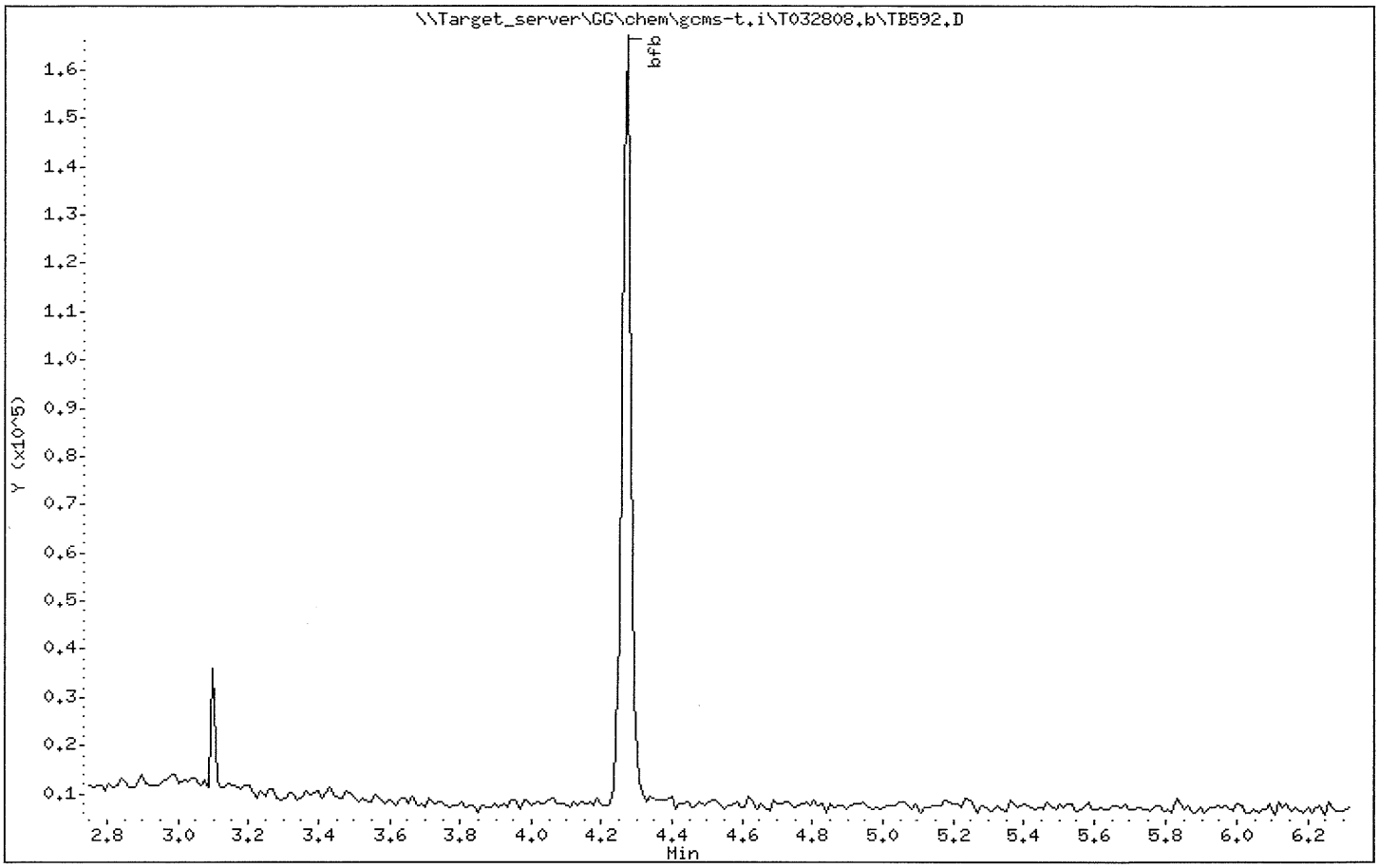
Date : 28-MAR-2008 09:12

Client ID: Instrument: gcms-t.i

Sample Info: 50NG BFB

Volume Injected (uL): 1.0 Operator: HCG

Column phase: RTX-VMS Column diameter: 0.18



Data File: \\Target_server\GC\chem\gcms-t.i\T032808.b\TB592.D

Date : 28-MAR-2008 09:12

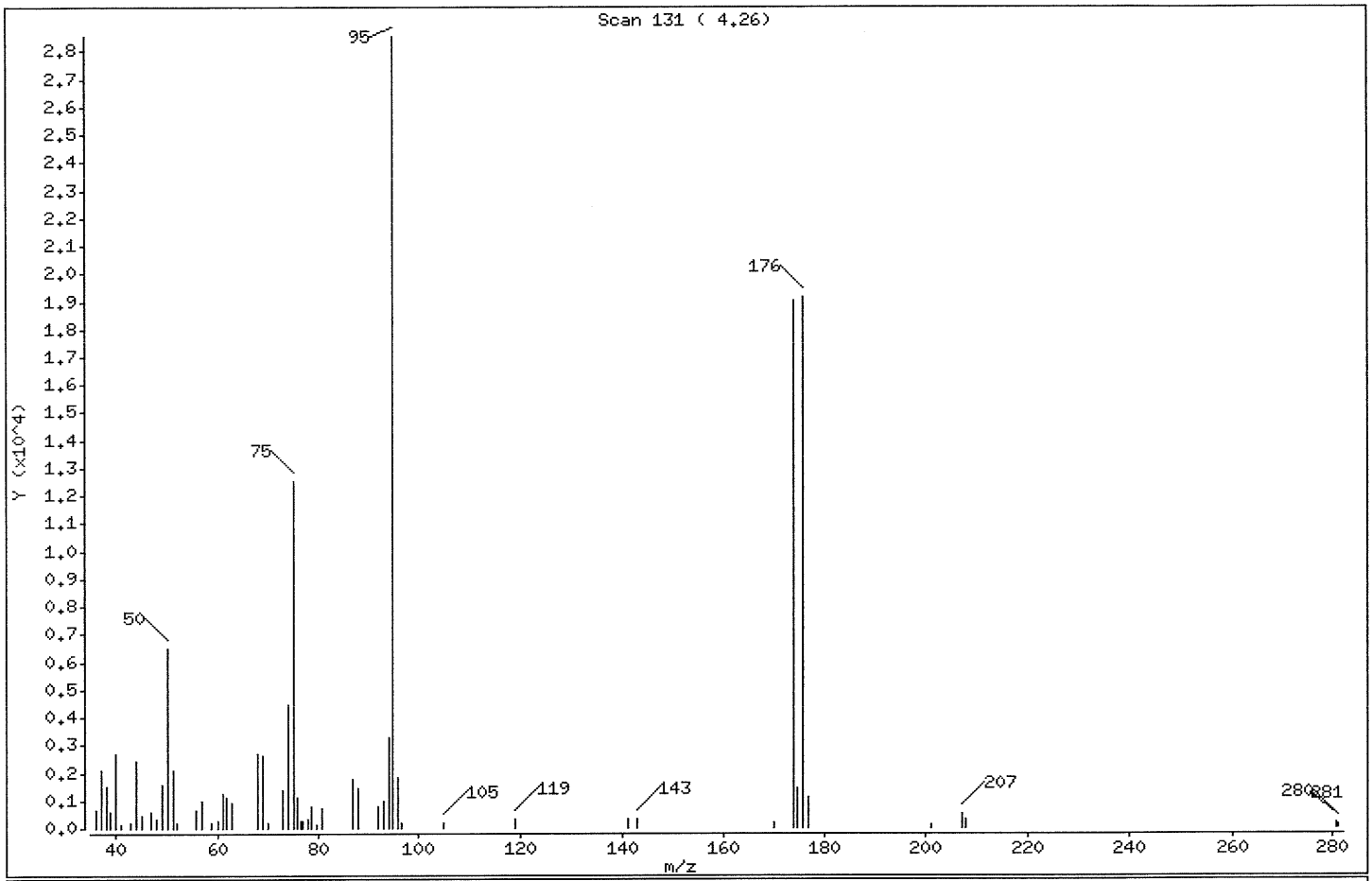
Client ID: | Instrument: gcms-t.i

Sample Info: 50NG BFB

Volume Injected (uL): 1.0 | Operator: HCG

Column phase: RTX-VMS | Column diameter: 0.18

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	22.77
75	30.00 - 60.00% of mass 95	44.01
96	5.00 - 9.00% of mass 95	6.47
173	Less than 2.00% of mass 174	0.00 (0.00)
174	Greater than 50.00% of mass 95	66.63
175	5.00 - 9.00% of mass 174	5.00 (7.50)
176	95.00 - 101.00% of mass 174	67.13 (100.76)
177	5.00 - 9.00% of mass 176	3.91 (5.83)

Data File: \\Target_server\GG\chem\gcms-t.i\T032808.b\TB592.D

Date : 28-MAR-2008 09:12

Client ID: Instrument: gcms-t.i

Sample Info: 50NG BFB

Volume Injected (uL): 1.0 Operator: HCG

Column phase: RTX-VMS Column diameter: 0.18

Data File: TB592.D
Spectrum: Scan 131 (4.26)
Location of Maximum: 94.95
Number of points: 57

m/z	Y	m/z	Y	m/z	Y	m/z	Y
35.95	627	55.85	645	76.90	272	141.05	317
36.95	2083	56.95	977	77.80	355	142.95	330
38.05	1512	58.55	197	78.80	819	170.00	223
38.95	590	60.00	280	79.90	159	173.90	19024
39.95	2671	61.00	1261	80.80	711	174.90	1427
41.15	152	62.00	1088	86.95	1800	175.90	19168
42.95	203	63.00	913	87.95	1449	176.90	1117
43.95	2398	68.00	2672	91.95	771	200.85	153
44.85	478	68.90	2624	93.05	976	206.95	538
46.85	611	70.00	218	93.95	3260	207.95	339
47.95	325	72.90	1390	94.95	28552	280.60	204
48.95	1574	74.00	4431	96.05	1848	281.00	152
49.95	6500	75.00	12565	96.75	204		
50.95	2102	75.90	1114	104.85	168		
51.65	202	76.70	268	119.00	320		

Data File: \\Target_server\GC\chem\gcms-t.i\T040108.b\TB594.D

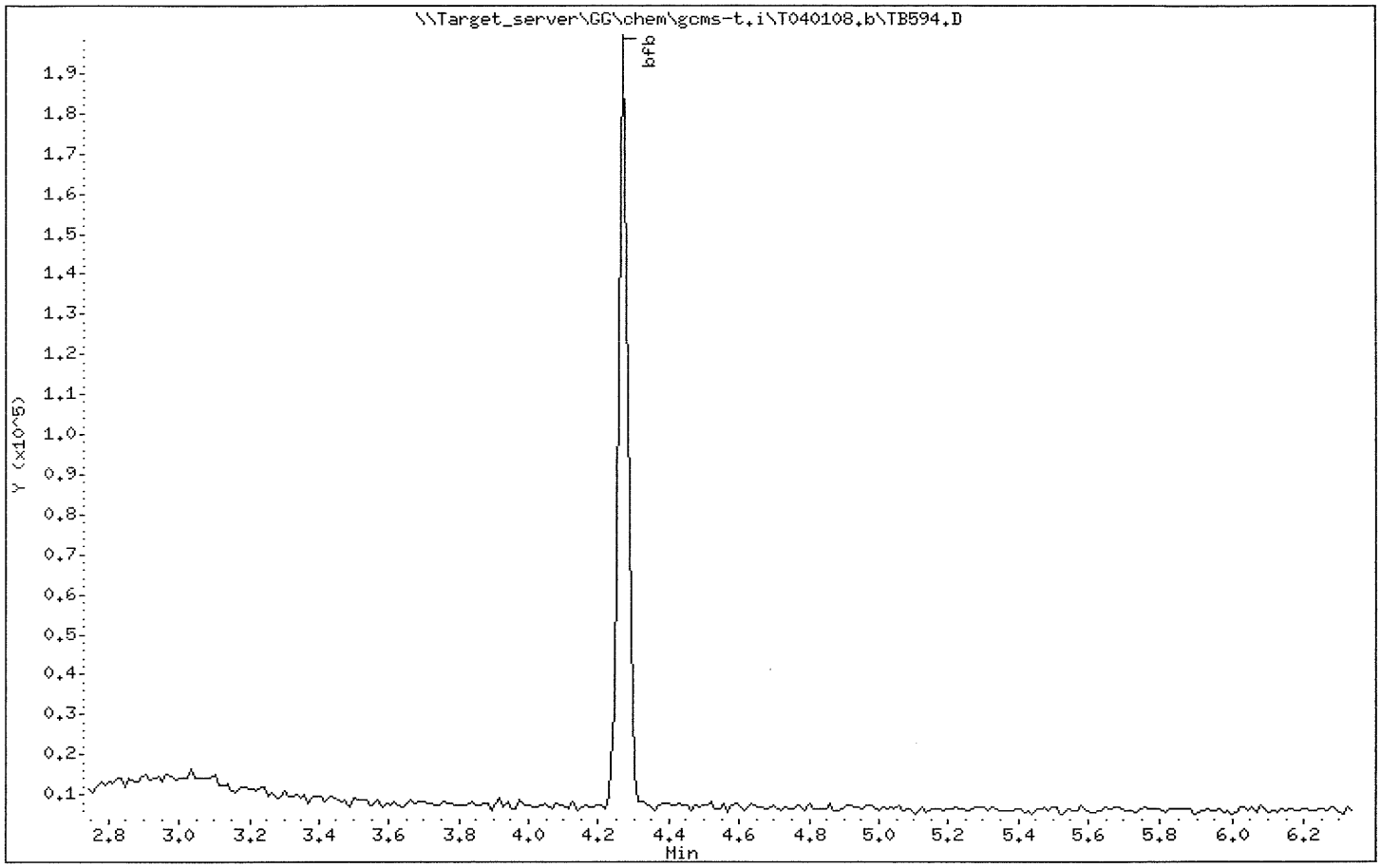
Date : 01-APR-2008 11:15

Client ID: Instrument: gcms-t.i

Sample Info: 50NG BFB

Volume Injected (uL): 1.0 Operator: SKT

Column phase: RTX-VMS Column diameter: 0.18



Data File: \\Target_server\GG\chem\gcms-t.i\T040108.b\TB594.D

Date : 01-APR-2008 11:15

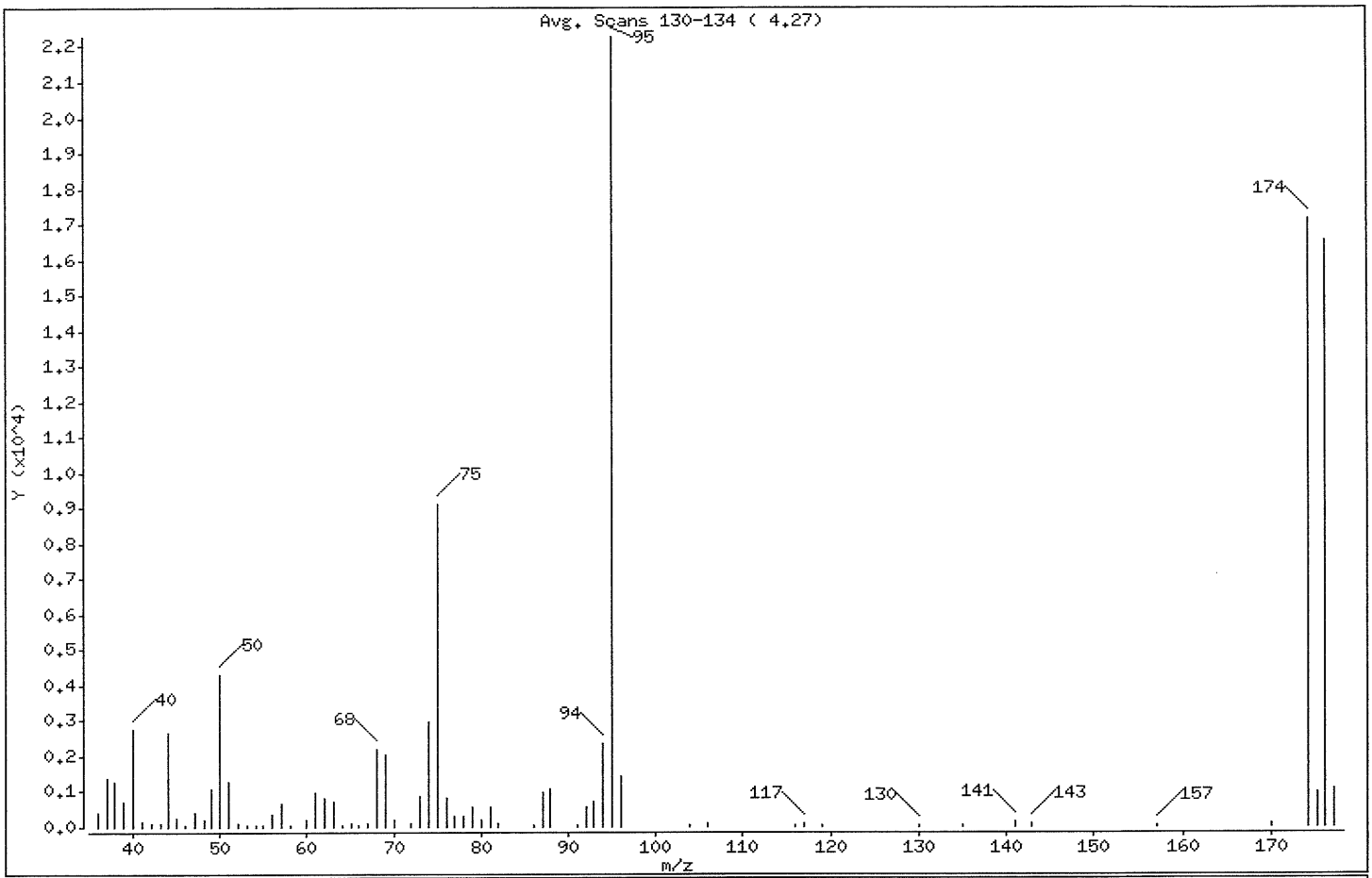
Client ID: | Instrument: gcms-t.i

Sample Info: 50NG BFB

Volume Injected (uL): 1.0 | Operator: SKT

Column phase: RTX-VMS | Column diameter: 0.18

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	19.41
75	30.00 - 60.00% of mass 95	40.84
96	5.00 - 9.00% of mass 95	6.46
173	Less than 2.00% of mass 174	0.00 (0.00)
174	Greater than 50.00% of mass 95	76.98
175	5.00 - 9.00% of mass 174	4.28 (5.56)
176	95.00 - 101.00% of mass 174	74.33 (96.55)
177	5.00 - 9.00% of mass 176	4.87 (6.55)

Data File: \\Target_server\GG\chem\gcms-t.i\T040108.b\TB594.D

Date : 01-APR-2008 11:15

Client ID: Instrument: gcms-t.i

Sample Info: 50NG BFB

Volume Injected (uL): 1.0 Operator: SKT

Column phase: RTX-VMS Column diameter: 0.18

Data File: TB594.D
Spectrum: Avg. Scans 130-134 (4.27)
Location of Maximum: 95.00
Number of points: 69

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	390	54.00	33	74.00	2981	104.00	33
37.00	1364	55.00	42	75.00	9099	106.00	86
38.00	1260	56.00	340	76.00	833	116.00	52
39.00	720	57.00	647	77.00	317	117.00	96
40.00	2769	58.00	30	78.00	283	119.00	30
41.00	149	60.00	221	79.00	547	130.00	31
42.00	112	61.00	992	80.00	191	135.00	31
43.00	83	62.00	840	81.00	589	141.00	163
44.00	2644	63.00	708	82.00	93	143.00	120
45.00	256	64.00	41	86.00	44	157.00	37
46.00	39	65.00	105	87.00	993	170.00	83
47.00	397	66.00	43	88.00	1097	174.00	17152
48.00	182	67.00	105	91.00	39	175.00	953
49.00	1058	68.00	2195	92.00	559	176.00	16560
50.00	4325	69.00	2057	93.00	719	177.00	1085
51.00	1297	70.00	183	94.00	2336		
52.00	99	72.00	103	95.00	22280		
53.00	42	73.00	853	96.00	1440		

Raw QC Data Section

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client:
Project: CTO 426 NLON
PO No:
Sample Date:
Received Date:
Extraction Date:
Analysis Date: 27-MAR-2008 11:57
Report Date: 04/02/2008
Matrix: WATER
% Solids: NA

Lab ID: WG49739-2
Client ID: WG49739-Blank
SDG: CTO426-2
Extracted by:
Extraction Method: SW846 5030
Analyst: HCG
Analysis Method: SW846 8260B
Lab Prep Batch: WG49739
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
1634-04-4	Methyl tert-butyl ether	U	1	1.0	1	1	0.6
71-43-2	Benzene	U	1	1.0	1	1	0.4
108-88-3	Toluene	U	1	1.0	1	1	0.3
100-41-4	Ethylbenzene	U	1	1.0	1	1	0.4
1330-20-7	Xylenes (total)	U	3	1.0	3	3	0.4
	m+p-Xylenes	U	2	1.0	2	2	1.0
95-47-6	o-Xylene	U	1	1.0	1	1	0.4
98-82-8	Isopropylbenzene	U	1	1.0	1	1	0.5
91-20-3	Naphthalene	U	1	1.0	1	1	0.4
1868-53-7	Dibromofluoromethane		89%				
17060-07-0	1,2-Dichloroethane-D4		86%				
2037-26-5	Toluene-D8		93%				
460-00-4	P-Bromofluorobenzene		92%				

Data File: \\Target_server\GG\chem\gcms-t.i\T032708.b\T9821.D
Report Date: 02-Apr-2008 09:23

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gcms-t.i\T032708.b\T9821.D
Lab Smp Id: WG49739-2 Client Smp ID: WG49739-Blank
Inj Date : 27-MAR-2008 11:57 MS Autotune Date: 05-MAR-2008 13:39
Operator : HCG Inst ID: gcms-t.i
Smp Info : WG49739-2
Misc Info : SW846 8260B
Comment :
Method : \\Target_server\GG\chem\gcms-t.i\T032708.b\T826a80.m
Meth Date : 27-Mar-2008 11:37 hgroshong Quant Type: ISTD
Cal Date : 26-MAR-2008 13:56 Cal File: T9813.D
Als bottle: 5 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.12
Processing Host: MIS_2

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)
$ 37 Dibromofluoromethane	113	9.421	9.437	(0.932)	788075	44.4923	44.5
* 42 Pentafluorobenzene	168	10.107	10.122	(1.000)	1292412	50.0000	
$ 45 1,2-Dichloroethane-D4	65	10.153	10.169	(1.005)	721592	43.2867	43.3
* 49 1,4-Difluorobenzene	114	10.758	10.761	(1.000)	2087020	50.0000	
$ 55 Toluene-D8	98	12.361	12.365	(1.149)	2455597	46.6621	46.7
* 66 Chlorobenzene-D5	117	14.325	14.329	(1.000)	1727174	50.0000	
$ 76 P-Bromofluorobenzene	95	15.940	15.944	(1.482)	984424	46.2912	46.3
* 91 1,4-Dichlorobenzene-D4	152	17.509	17.513	(1.000)	861166	50.0000	

Data File: \\Target_server\GG\chem\gcms-t.i\T032708.b\T9821.D
Report Date: 02-Apr-2008 09:23

Katahdin Analytical Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcms-t.i
Lab File ID: T9821.D
Lab Smp Id: WG49739-2
Analysis Type: VOA
Quant Type: ISTD
Operator: HCG
Method File: \\Target_server\GG\chem\gcms-t.i\T032708.b\T826a80.m
Misc Info: SW846 8260B

Calibration Date: 27-MAR-2008
Calibration Time: 08:55
Client Smp ID: WG49739-Blank
Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 4

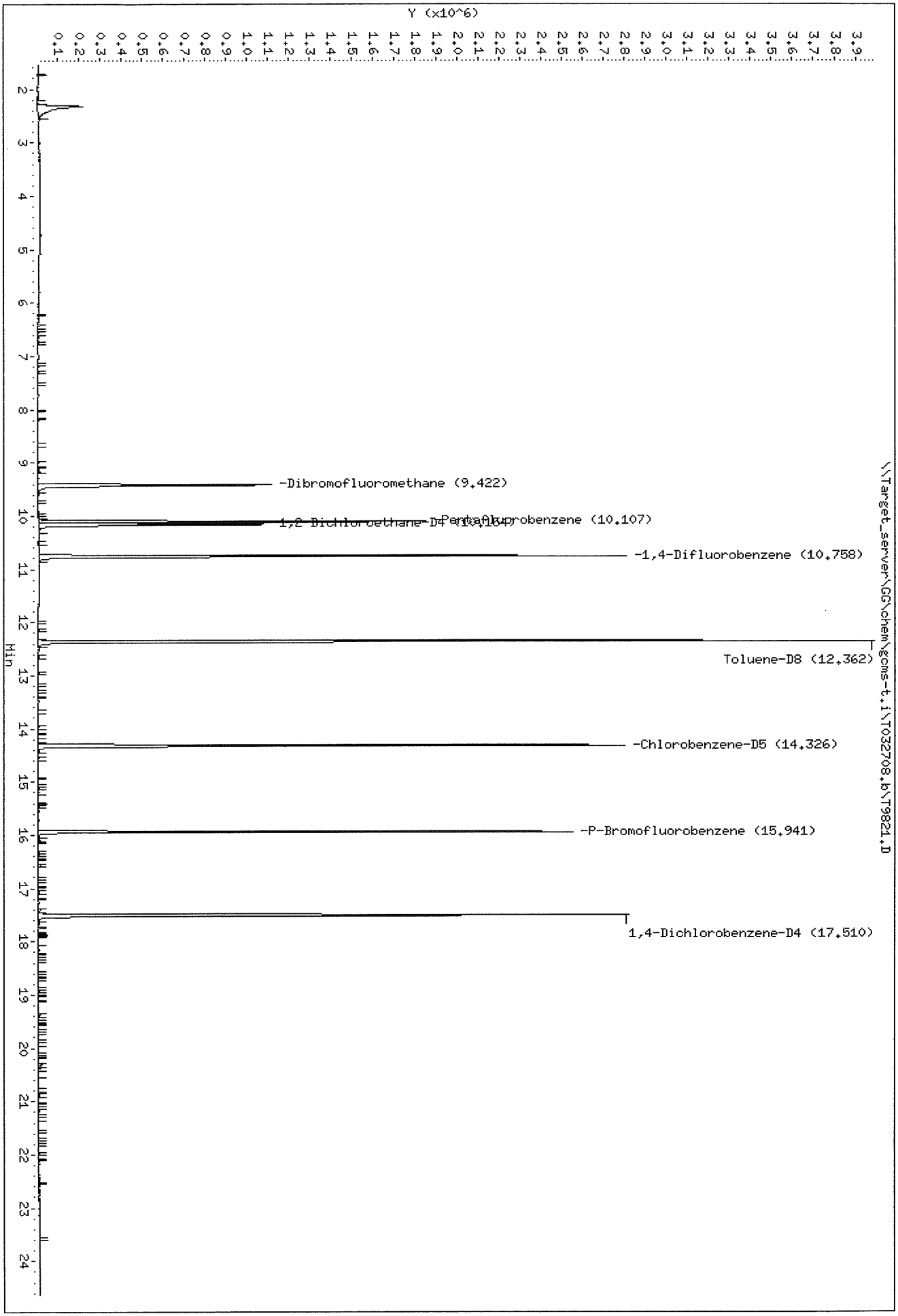
COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	1240417	620209	2480834	1292412	4.19
49 1,4-Difluorobenze	2035750	1017875	4071500	2087020	2.52
66 Chlorobenzene-D5	1652370	826185	3304740	1727174	4.53
91 1,4-Dichlorobenze	860267	430134	1720534	861166	0.10

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	10.11	9.61	10.61	10.11	-0.04
49 1,4-Difluorobenze	10.76	10.26	11.26	10.76	-0.04
66 Chlorobenzene-D5	14.32	13.82	14.82	14.33	0.05
91 1,4-Dichlorobenze	17.50	17.00	18.00	17.51	0.04

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.

Data File: \\Target_server\GC\chem\gcms-t.i\T032708.b\T9821.D
Date : 27-MAR-2008 11:57
Client ID: WG49739-Blank
Sample Info: WG49739-2

Instrument: gcms-t.i



KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client:
Project: CTO 426 NLON
PO No:
Sample Date:
Received Date:
Extraction Date:
Analysis Date: 28-MAR-2008 13:19
Report Date: 04/02/2008
Matrix: WATER
% Solids: NA

Lab ID: WG49763-2
Client ID: WG49763-Blank
SDG: CTO426-2
Extracted by:
Extraction Method: SW846 5030
Analyst: HCG
Analysis Method: SW846 8260B
Lab Prep Batch: WG49763
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
1634-04-4	Methyl tert-butyl ether	U	1	1.0	1	1	0.6
71-43-2	Benzene	U	1	1.0	1	1	0.4
108-88-3	Toluene	U	1	1.0	1	1	0.3
100-41-4	Ethylbenzene	U	1	1.0	1	1	0.4
1330-20-7	Xylenes (total)	U	3	1.0	3	3	0.4
	m+p-Xylenes	U	2	1.0	2	2	1.0
95-47-6	o-Xylene	U	1	1.0	1	1	0.4
98-82-8	Isopropylbenzene	U	1	1.0	1	1	0.5
91-20-3	Naphthalene	U	1	1.0	1	1	0.4
1868-53-7	Dibromofluoromethane		86%				
17060-07-0	1,2-Dichloroethane-D4		84%				
2037-26-5	Toluene-D8		92%				
460-00-4	P-Bromofluorobenzene		90%				

Data File: \\Target_server\GG\chem\gcms-t.i\T032808.b\T9844.D
Report Date: 02-Apr-2008 10:02

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gcms-t.i\T032808.b\T9844.D
Lab Smp Id: WG49763-2 Client Smp ID: WG49763-Blank
Inj Date : 28-MAR-2008 13:19 MS Autotune Date: 05-MAR-2008 13:39
Operator : HCG Inst ID: gcms-t.i
Smp Info : WG49763-2
Misc Info : SW846 8260B
Comment :
Method : \\Target_server\GG\chem\gcms-t.i\T032808.b\T826a80.m
Meth Date : 28-Mar-2008 10:01 hgroshong Quant Type: ISTD
Cal Date : 26-MAR-2008 13:56 Cal File: T9813.D
Als bottle: 7 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.12
Processing Host: MIS_2

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)
$ 37 Dibromofluoromethane	113	9.437	9.437	(0.932)	799784	42.8510	42.8
* 42 Pentafluorobenzene	168	10.122	10.122	(1.000)	1361851	50.0000	
$ 45 1,2-Dichloroethane-D4	65	10.180	10.169	(1.006)	734926	41.8386	41.8
* 49 1,4-Difluorobenzene	114	10.773	10.761	(1.000)	2231559	50.0000	
$ 55 Toluene-D8	98	12.377	12.365	(1.149)	2583244	45.9083	45.9
* 66 Chlorobenzene-D5	117	14.341	14.329	(1.000)	1866595	50.0000	
$ 76 P-Bromofluorobenzene	95	15.944	15.944	(1.480)	1022541	44.9692	45.0
80 N-Propylbenzene	91	16.107	16.107	(0.919)	4146	1.27433	1.3
* 91 1,4-Dichlorobenzene-D4	152	17.525	17.513	(1.000)	903375	50.0000	
M 153 Total Alkylbenzenes	100				4146	1.27433	1.3(a)

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: \\Target_server\GG\chem\gcms-t.i\T032808.b\T9844.D
Report Date: 02-Apr-2008 10:02

Katahdin Analytical Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcms-t.i
Lab File ID: T9844.D
Lab Smp Id: WG49763-2
Analysis Type: VOA
Quant Type: ISTD
Operator: HCG
Method File: \\Target_server\GG\chem\gcms-t.i\T032808.b\T826a80.m
Misc Info: SW846 8260B

Calibration Date: 28-MAR-2008
Calibration Time: 09:37
Client Smp ID: WG49763-Blank
Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 4

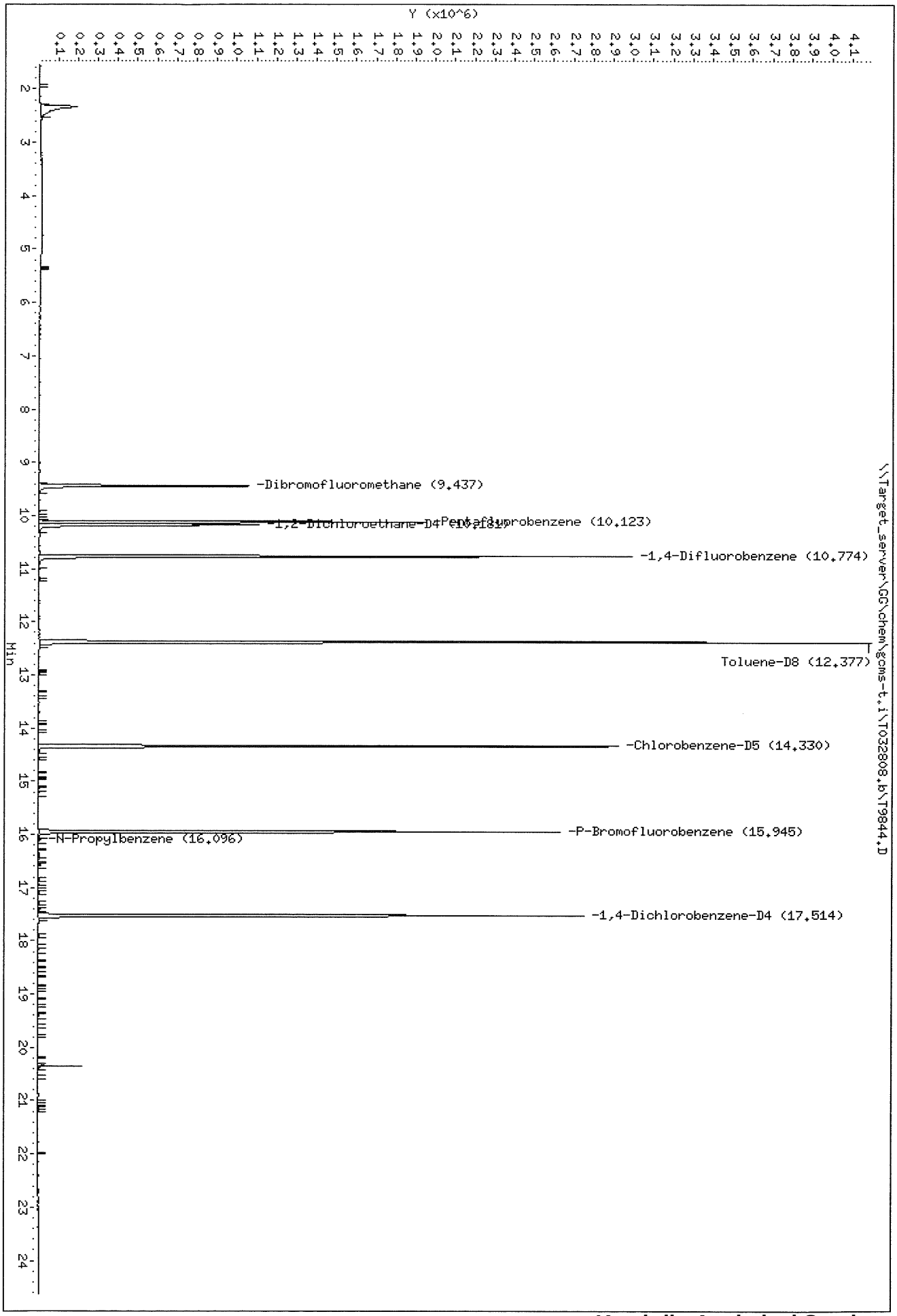
COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	1314984	657492	2629968	1361851	3.56
49 1,4-Difluorobenze	2208803	1104402	4417606	2231559	1.03
66 Chlorobenzene-D5	1834563	917282	3669126	1866595	1.75
91 1,4-Dichlorobenze	928023	464012	1856046	903375	-2.66

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	10.12	9.62	10.62	10.12	0.04
49 1,4-Difluorobenze	10.76	10.26	11.26	10.77	0.15
66 Chlorobenzene-D5	14.33	13.83	14.83	14.34	0.11
91 1,4-Dichlorobenze	17.51	17.01	18.01	17.53	0.09

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.

Data File: \\Target_server\GC\chem\gcms-t.i\T032808.b\T9844.D
Date : 28-MAR-2008 13:19
Client ID: WG49763-Blank
Sample Info: WG49763-2

Instrument: gcms-t.i



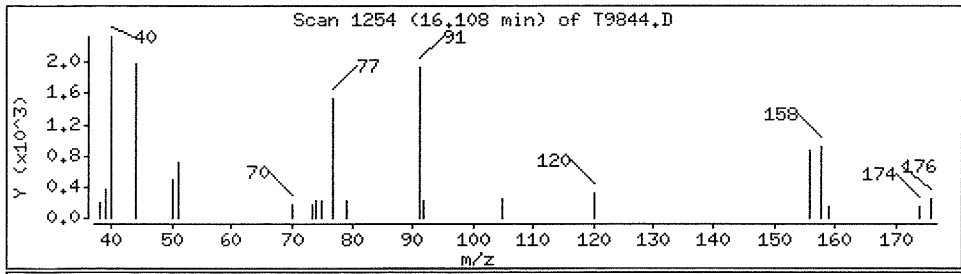
Data File: \\Target_server\GC\chem\gcms-t.i\T032808.b\T9844.D

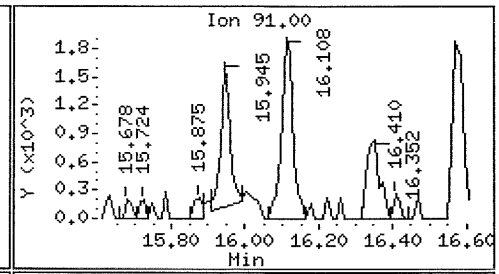
Date : 28-MAR-2008 13:19

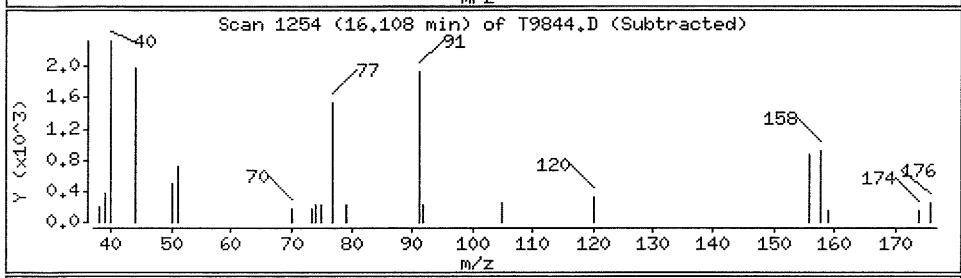
Client ID: WG49763-Blank Instrument: gcms-t.i

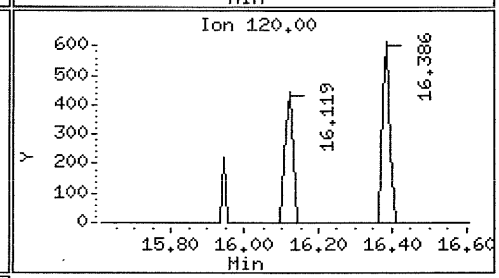
Sample Info: WG49763-2

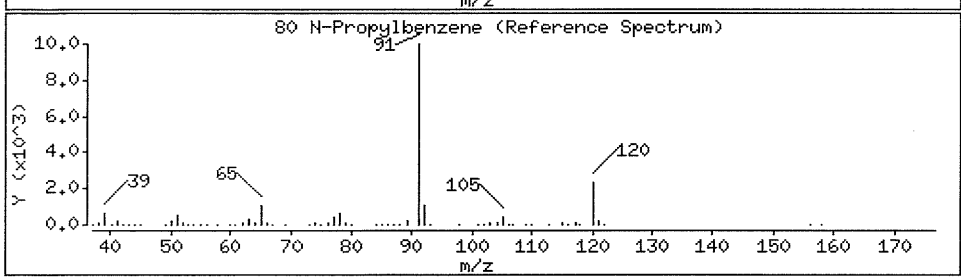
80 N-Propylbenzene Concentration: 1.3 ug/l











KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client:
Project: CTO 426 NLON
PO No:
Sample Date:
Received Date:
Extraction Date:
Analysis Date: 01-APR-2008 14:16
Report Date: 04/02/2008
Matrix: WATER
% Solids: NA

Lab ID: WG49847-2
Client ID: WG49847-Blank
SDG: CTO426-2
Extracted by:
Extraction Method: SW846 5030
Analyst: HCG
Analysis Method: SW846 8260B
Lab Prep Batch: WG49847
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
1634-04-4	Methyl tert-butyl ether	U	1	1.0	1	1	0.6
71-43-2	Benzene	U	1	1.0	1	1	0.4
108-88-3	Toluene	U	1	1.0	1	1	0.3
100-41-4	Ethylbenzene	U	1	1.0	1	1	0.4
1330-20-7	Xylenes (total)	U	3	1.0	3	3	0.4
	m+p-Xylenes	U	2	1.0	2	2	1.0
95-47-6	o-Xylene	U	1	1.0	1	1	0.4
98-82-8	Isopropylbenzene	U	1	1.0	1	1	0.5
91-20-3	Naphthalene	U	1	1.0	1	1	0.4
1868-53-7	Dibromofluoromethane		86%				
17060-07-0	1,2-Dichloroethane-D4		89%				
2037-26-5	Toluene-D8		95%				
460-00-4	P-Bromofluorobenzene		94%				

Data File: \\Target_server\GG\chem\gcms-t.i\T040108.b\T9877.D
Report Date: 02-Apr-2008 10:12

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gcms-t.i\T040108.b\T9877.D
Lab Smp Id: WG49847-2 Client Smp ID: WG49847-Blank
Inj Date : 01-APR-2008 14:16 MS Autotune Date: 05-MAR-2008 13:39
Operator : HCG Inst ID: gcms-t.i
Smp Info : WG49847-2
Misc Info : SW846 8260B
Comment :
Method : \\Target_server\GG\chem\gcms-t.i\T040108.b\T826a80.m
Meth Date : 01-Apr-2008 12:04 hgroshong Quant Type: ISTD
Cal Date : 26-MAR-2008 13:56 Cal File: T9813.D
Als bottle: 5 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.12
Processing Host: MIS_2

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)
10 Carbon Disulfide	76	4.736	4.730	(0.468)	7200	1.05940	1.0
$ 37 Dibromofluoromethane	113	9.443	9.437	(0.932)	817097	43.2895	43.3
* 42 Pentafluorobenzene	168	10.128	10.122	(1.000)	1377237	50.0000	
$ 45 1,2-Dichloroethane-D4	65	10.175	10.169	(1.005)	788782	44.4029	44.4
* 49 1,4-Difluorobenzene	114	10.768	10.761	(1.000)	2236262	50.0000	
$ 55 Toluene-D8	98	12.371	12.365	(1.149)	2673734	47.4165	47.4
* 66 Chlorobenzene-D5	117	14.335	14.329	(1.000)	1838229	50.0000	
$ 76 P-Bromofluorobenzene	95	15.950	15.944	(1.481)	1067490	46.8473	46.8
* 91 1,4-Dichlorobenzene-D4	152	17.519	17.513	(1.000)	890753	50.0000	

Data File: \\Target_server\GG\chem\gcms-t.i\T040108.b\T9877.D
Report Date: 02-Apr-2008 10:12

Katahdin Analytical Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcms-t.i
Lab File ID: T9877.D
Lab Smp Id: WG49847-2
Analysis Type: VOA
Quant Type: ISTD
Operator: HCG
Method File: \\Target_server\GG\chem\gcms-t.i\T040108.b\T826a80.m
Misc Info: SW846 8260B

Calibration Date: 01-APR-2008
Calibration Time: 11:39
Client Smp ID: WG49847-Blank
Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 4

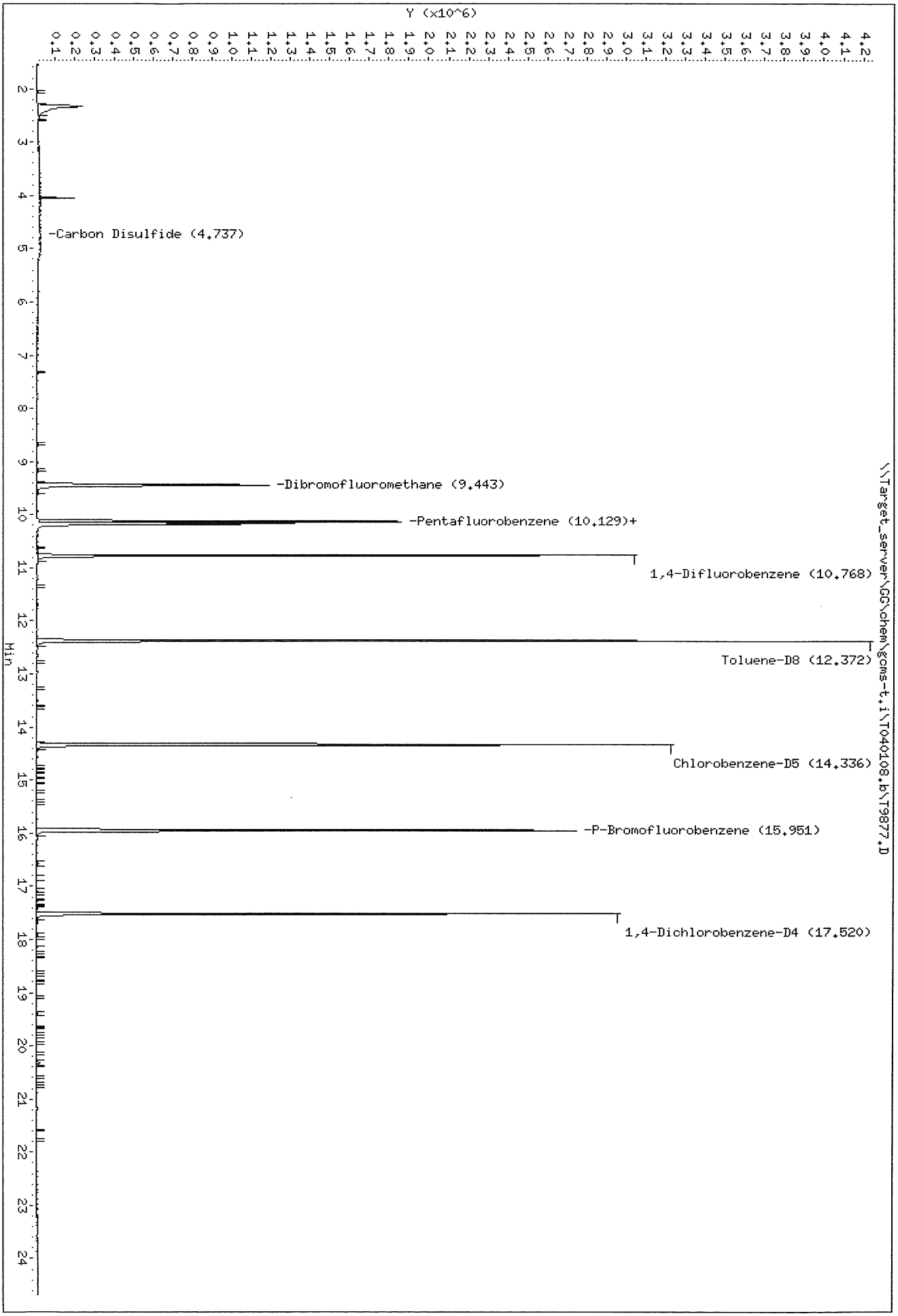
COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	1409194	704597	2818388	1377237	-2.27
49 1,4-Difluorobenze	2309084	1154542	4618168	2236262	-3.15
66 Chlorobenzene-D5	1896005	948003	3792010	1838229	-3.05
91 1,4-Dichlorobenze	961550	480775	1923100	890753	-7.36

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	10.12	9.62	10.62	10.13	0.10
49 1,4-Difluorobenze	10.76	10.26	11.26	10.77	0.09
66 Chlorobenzene-D5	14.33	13.83	14.83	14.34	0.07
91 1,4-Dichlorobenze	17.51	17.01	18.01	17.52	0.06

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.

Data File: \\Target_server\GC\chem\gcms-t.i\T040108.b\T9877.D
Date : 01-APR-2008 14:16
Client ID: WG49847-Blank
Sample Info: WG49847-2

Instrument: gcms-t.i



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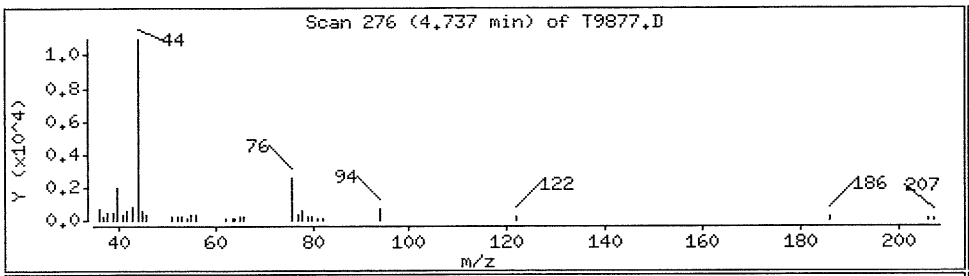
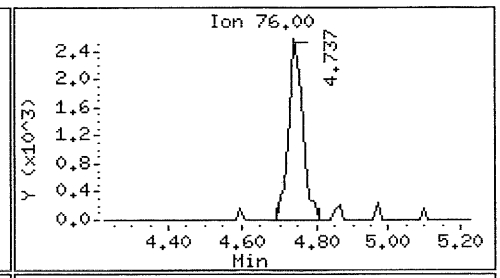
Date : 01-APR-2008 14:16

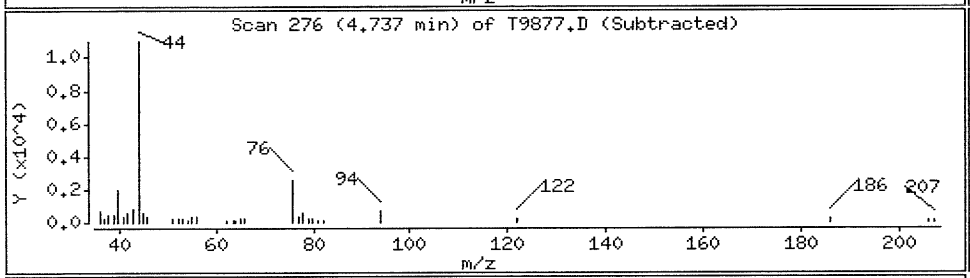
Client ID: WG49847-Blank Instrument: gcms-t.i

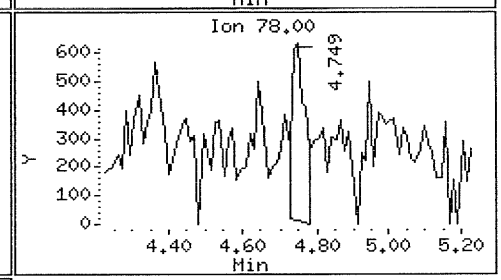
Sample Info: WG49847-2

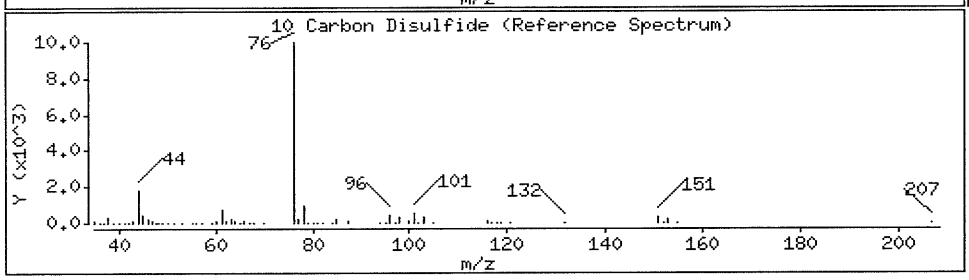
10 Carbon Disulfide Concentration: 1.0 ug/l











KATAHDIN ANALYTICAL SERVICES
LAB CONTROL SAMPLE

Client:
Project: CTO 426 NLON
PO No:
Sample Date:
Received Date:
Extraction Date:
Analysis Date: 03/27/08
Report Date: 04/02/2008
Matrix: WATER

Lab ID: WG49739-1
Client ID: WG49739-LCS
SDG: CTO426-2
Extracted by:
Extraction Method: SW846 5030
Analyst: HCG
Analysis Method: SW846 8260B
Lab Prep Batch: WG49739
Units: ug/l

COMPOUND	LCS SPIKE	SAMPLE CONC.	LCS CONC.		%REC.	QC. LIMITS
Dichlorodifluoromethane	50	NA	64		127	20-143
Chloromethane	50	NA	54		108	34-132
Vinyl chloride	50	NA	50		101	48-136
Bromomethane	50	NA	49		97	52-129
Chloroethane	50	NA	41		82	43-146
Trichlorofluoromethane	50	NA	60		121	62-157
Diethyl Ether	50	NA	50		100	74-141
Tertiary-butyl alcohol	250	NA	242		97	10-152
1,1-Dichloroethene	50	NA	49		98	64-126
Carbon Disulfide	50	NA	54		108	59-136
Freon-113	50	NA	53		106	78-140
Iodomethane	50	NA	55	*	109	54-107
Acrolein	250	NA	239		96	42-156
Methylene Chloride	50	NA	46		92	63-122
Acetone	50	NA	57		113	15-160
Isobutyl Alcohol	1000	NA	982		98	10-169
trans-1,2-Dichloroethene	50	NA	49		99	65-128
Allyl Chloride	50	NA	44		87	64-150
Methyl tert-butyl ether	100	NA	109		109	71-140
Acetonitrile	500	NA	444		89	40-164
Di-isopropyl ether	50	NA	50		100	77-135
Chloroprene	50	NA	50		99	82-133
Methacrylonitrile	500	NA	481		96	69-146
Propionitrile	500	NA	483		97	51-161
1,1-Dichloroethane	50	NA	50		99	74-135
Acrylonitrile	250	NA	242		97	67-144
Ethyl tertiary-butyl ether	50	NA	51		101	79-136
Vinyl Acetate	50	NA	52		104	57-139
cis-1,2-Dichloroethene	50	NA	49		98	75-117
1,2-Dichloroethylene (total)	100	NA	98		98	72-121
Methyl Methacrylate	50	NA	52		105	71-136
2,2-Dichloropropane	50	NA	47		94	55-140
Bromochloromethane	50	NA	28	*	56	80-132
Chloroform	50	NA	50		100	80-125
Carbon Tetrachloride	50	NA	48		96	76-123
Tetrahydrofuran	50	NA	50		99	38-157
1,1,1-Trichloroethane	50	NA	50		101	79-125
1,1-Dichloropropene	50	NA	52		105	80-125
2-Butanone	50	NA	46		93	45-184
Benzene	50	NA	52		104	71-125
Cyclohexane	50	NA	56		111	57-128
Ethyl Methacrylate	50	NA	55		110	73-134
Tertiary-amyl methyl ether	50	NA	51		101	78-133
1,2-Dichloroethane	50	NA	52		104	75-125
Trichloroethene	50	NA	50		99	78-118

KATAHDIN ANALYTICAL SERVICES
LAB CONTROL SAMPLE

Client:
Project: CTO 426 NLON
PO No:
Sample Date:
Received Date:
Extraction Date:
Analysis Date: 03/27/08
Report Date: 04/02/2008
Matrix: WATER

Lab ID: WG49739-1
Client ID: WG49739-LCS
SDG: CTO426-2
Extracted by:
Extraction Method: SW846 5030
Analyst: HCG
Analysis Method: SW846 8260B
Lab Prep Batch: WG49739
Units: ug/l

COMPOUND	LCS SPIKE	SAMPLE CONC.	LCS CONC.	%REC.	QC. LIMITS
Dibromomethane	50	NA	50	101	73-125
1,2-Dichloropropane	50	NA	51	102	78-127
Bromodichloromethane	50	NA	53	106	76-118
cis-1,3-dichloropropene	50	NA	54	108	84-125
1,4-Dioxane	1000	NA	931	93	10-178
2-Chloroethylvinylether	50	NA	69	138	20-191
Toluene	50	NA	53	105	79-118
4-methyl-2-pentanone	50	NA	53	106	44-157
Tetrachloroethene	50	NA	55	110	71-137
trans-1,3-Dichloropropene	50	NA	58	115	89-137
1,1,2-Trichloroethane	50	NA	50	100	76-125
Dibromochloromethane	50	NA	55	111	77-119
1,3-Dichloropropane	50	NA	51	103	79-122
1,2-Dibromoethane	50	NA	52	104	78-124
2-Hexanone	50	NA	52	105	27-182
Chlorobenzene	50	NA	53	106	81-118
Ethylbenzene	50	NA	52	104	80-115
1,1,1,2-Tetrachloroethane	50	NA	54	108	79-118
Xylenes (total)	150	NA	161	107	85-114
m+p-Xylenes	100	NA	106	106	87-113
o-Xylene	50	NA	55	110	80-118
Styrene	50	NA	55	110	81-116
Bromoform	50	NA	55	111	69-129
Isopropylbenzene	50	NA	59	118	87-129
cis-1,4-Dichloro-2-Butene	50	NA	53	106	60-133
trans-1,4-Dichloro-2-Butene	50	NA	53	106	67-134
Bromobenzene	50	NA	51	103	83-112
N-Propylbenzene	50	NA	50	99	79-121
1,1,2,2-Tetrachloroethane	50	NA	52	103	68-133
1,3,5-Trimethylbenzene	50	NA	53	106	80-117
2-Chlorotoluene	50	NA	52	104	86-113
1,2,3-Trichloropropane	50	NA	51	102	63-133
4-Chlorotoluene	50	NA	53	107	84-117
tert-Butylbenzene	50	NA	52	104	78-122
Pentachloroethane	50	NA	51	101	64-135
1,2,4-Trimethylbenzene	50	NA	53	106	78-116
P-Isopropyltoluene	50	NA	56	112	79-123
1,3-Dichlorobenzene	50	NA	52	103	86-111
1,4-Dichlorobenzene	50	NA	58	116	78-118
N-Butylbenzene	50	NA	54	107	76-119
sec-Butylbenzene	50	NA	53	105	77-121
1,2-Dichlorobenzene	50	NA	52	105	86-113
1,2-Dibromo-3-Chloropropane	50	NA	39	77	63-133
1,3,5-Trichlorobenzene	50	NA	52	105	84-118
Hexachlorobutadiene	50	NA	53	106	70-114

KATAHDIN ANALYTICAL SERVICES
LAB CONTROL SAMPLE

Client:
Project: CTO 426 NLON
PO No:
Sample Date:
Received Date:
Extraction Date:
Analysis Date: 03/27/08
Report Date: 04/02/2008
Matrix: WATER

Lab ID: WG49739-1
Client ID: WG49739-LCS
SDG: CTO426-2
Extracted by:
Extraction Method: SW846 5030
Analyst: HCG
Analysis Method: SW846 8260B
Lab Prep Batch: WG49739
Units: ug/l

COMPOUND	LCS SPIKE	SAMPLE CONC.	LCS CONC.	%REC.	QC. LIMITS
1,2,4-Trichlorobenzene	50	NA	54	108	74-116
1,2,3-Trimethylbenzene	50	NA	53	106	85-124
Naphthalene	50	NA	55	111	64-121
1,2,3-Trichlorobenzene	50	NA	55	109	73-117
Methyl Acetate	50	NA	49	99	52-142
Methylcyclohexane	50	NA	51	103	83-125
1-Chlorohexane	50	NA	50	100	78-128
Total Alkylbenzenes	350	NA	369	105	60-140

Data File: \\Target_server\GG\chem\gcms-t.i\T032708.b\T9818.D
Report Date: 02-Apr-2008 09:23

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gcms-t.i\T032708.b\T9818.D
Lab Smp Id: WG49739-1 Client Smp ID: WG49739-LCS
Inj Date : 27-MAR-2008 09:40 MS Autotune Date: 05-MAR-2008 13:39
Operator : HCG Inst ID: gcms-t.i
Smp Info : WG49739-1
Misc Info : SW846 8260B
Comment :
Method : \\Target_server\GG\chem\gcms-t.i\T032708.b\T826a80.m
Meth Date : 27-Mar-2008 11:37 hgroshong Quant Type: ISTD
Cal Date : 26-MAR-2008 13:56 Cal File: T9813.D
Als bottle: 2 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.12
Processing Host: MIS_2

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)
1 Dichlorodifluoromethane	85	2.553	2.557	(0.252)	1122820	63.6971	63.7
2 Chloromethane	50	2.855	2.859	(0.282)	1514843	53.9616	54.0
3 Vinyl chloride	62	2.960	2.964	(0.293)	1068562	50.2793	50.3
4 Bromomethane	94	3.448	3.452	(0.341)	559925	48.6274	48.6
5 Chloroethane	64	3.646	3.649	(0.360)	233361	40.8369	40.8
6 Trichlorofluoromethane	101	3.843	3.847	(0.380)	1070925	60.3764	60.4
7 Diethyl Ether	59	4.389	4.393	(0.434)	547756	50.0245	50.0
8 Tertiary-butyl alcohol	59	6.737	6.764	(0.666)	289858	241.655	242
9 1,1-Dichloroethene	96	4.691	4.695	(0.464)	599936	49.1174	49.1
10 Carbon Disulfide	76	4.726	4.730	(0.467)	1659891	54.1451	54.1
11 Freon-113	151	4.761	4.777	(0.471)	464013	52.9685	53.0
12 Iodomethane	142	4.947	4.951	(0.489)	522639	54.7307	54.7(R)
13 Acrolein	56	5.354	5.369	(0.529)	675714	239.331	239
14 Methylene Chloride	84	5.795	5.811	(0.573)	926407	46.2468	46.2
15 Acetone	43	5.970	5.985	(0.590)	329029	56.6315	56.6
16 Isobutyl Alcohol	43	10.339	10.355	(1.022)	578423	981.848	982
17 trans-1,2-Dichloroethene	96	6.109	6.125	(0.604)	911555	49.4320	49.4
18 Allyl Chloride	41	5.575	5.590	(0.551)	1183259	43.6548	43.6
19 Methyl tert-butyl ether	73	6.400	6.415	(0.633)	3408811	108.970	109
20 Acetonitrile	39	7.004	7.019	(0.692)	220976	443.621	444
21 Di-isopropyl ether	45	7.306	7.322	(0.722)	3405799	49.8362	49.8
22 Chloroprene	53	7.469	7.484	(0.738)	1283359	49.5268	49.5
23 Propionitrile	54	10.060	10.064	(0.994)	905537	482.731	483

Data File: \\Target_server\GG\chem\gcms-t.i\T032708.b\T9818.D
Report Date: 02-Apr-2008 09:23

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	FINAL (ug/l)
	24 Methacrylonitrile	41	10.072	10.087	(0.995)	4597538	480.772	481
	25 1,1-Dichloroethane	63	7.527	7.542	(0.744)	1539161	49.6920	49.7
	26 Acrylonitrile	52	7.713	7.728	(0.762)	1159413	241.730	242
	27 Ethyl tertiary-butyl ether	59	8.131	8.147	(0.804)	2503921	50.7257	50.7
	28 Vinyl Acetate	43	8.166	8.182	(0.759)	2054679	52.0260	52.0
	29 cis-1,2-Dichloroethene	96	8.666	8.670	(0.856)	934940	49.0720	49.1
M	30 1,2-Dichloroethylene (total)	96				1846495	98.5040	98.5
	31 Methyl Methacrylate	41	11.571	11.586	(1.076)	700496	52.2834	52.3
	32 2,2-Dichloropropane	77	8.840	8.856	(0.874)	916921	46.9395	46.9
	33 Bromochloromethane	128	9.003	9.018	(0.890)	451772	27.8102	27.8(R)
	34 Chloroform	83	9.142	9.158	(0.904)	1374260	50.2574	50.2
	35 Carbon Tetrachloride	117	9.316	9.320	(0.866)	594284	47.8146	47.8
	36 Tetrahydrofuran	42	9.386	9.402	(0.928)	227006	49.4681	49.5
$	37 Dibromofluoromethane	113	9.421	9.437	(0.931)	762957	43.6072	43.6
	38 1,1,1-Trichloroethane	97	9.433	9.437	(0.932)	1078224	50.2888	50.3
	39 1,1-Dichloropropene	75	9.619	9.622	(0.894)	1106237	52.4163	52.4
	40 2-Butanone	43	9.642	9.657	(0.953)	352849	46.5038	46.5
	41 Benzene	78	9.967	9.971	(0.927)	3233992	52.1763	52.2
*	42 Pentafluorobenzene	168	10.118	10.122	(1.000)	1276615	50.0000	
	43 Cyclohexane	56	8.956	8.972	(0.885)	1459918	55.4756	55.5
	44 Ethyl Methacrylate	69	13.128	13.144	(1.220)	892802	54.9057	54.9
$	45 1,2-Dichloroethane-D4	65	10.165	10.169	(1.005)	683548	41.5119	41.5
	46 Tertiary-amyl methyl ether	73	10.141	10.157	(1.002)	1983838	50.6358	50.6
	47 1,2-Dichloroethane	62	10.246	10.262	(0.952)	964027	51.9184	51.9
	48 Trichloroethene	95	10.699	10.715	(0.995)	823373	49.5606	49.6
*	49 1,4-Difluorobenzene	114	10.757	10.761	(1.000)	2075422	50.0000	
	50 Dibromomethane	93	11.199	11.203	(1.041)	483998	50.2956	50.3
	51 1,2-Dichloropropane	63	11.315	11.319	(1.052)	811738	51.0874	51.1
	52 Bromodichloromethane	83	11.385	11.389	(1.058)	1001894	53.1693	53.2
	53 cis-1,3-dichloropropene	75	12.140	12.144	(1.129)	1255650	53.7997	53.8
	54 1,4-Dioxane	88	11.641	11.644	(1.082)	139101	931.187	931
$	55 Toluene-D8	98	12.361	12.365	(1.149)	2402328	45.9050	45.9
	56 2-Chloroethylvinylether	63	12.071	12.074	(1.122)	141959	68.8802	68.9
	57 Toluene	92	12.431	12.435	(1.156)	2022322	52.7278	52.7
	58 4-methyl-2-pentanone	43	12.907	12.923	(1.200)	731669	53.0602	53.1
	59 Tetrachloroethene	164	12.896	12.900	(0.900)	705793	55.0997	55.1
	60 trans-1,3-Dichloropropene	75	12.954	12.958	(1.204)	1050528	57.7365	57.7
	61 1,1,2-Trichloroethane	83	13.151	13.167	(1.223)	525328	50.1816	50.2
	62 Dibromochloromethane	129	13.372	13.388	(0.933)	770830	55.3859	55.4
	63 1,3-Dichloropropane	76	13.500	13.504	(0.942)	1151233	51.2727	51.3
	64 1,2-Dibromoethane	107	13.686	13.690	(1.272)	701163	51.9834	52.0
	65 2-Hexanone	43	13.953	13.957	(0.974)	516796	52.3728	52.4
*	66 Chlorobenzene-D5	117	14.325	14.329	(1.000)	1701009	50.0000	
	67 Chlorobenzene	112	14.348	14.352	(1.002)	2074832	52.8194	52.8
	152 1-Chlorohexane	91	14.302	14.306	(1.413)	1298042	49.7627	49.8
	68 Ethylbenzene	106	14.371	14.375	(1.003)	1100382	52.2491	52.2
	69 1,1,1,2-Tetrachloroethane	131	14.430	14.433	(1.007)	698028	53.9066	53.9
M	70 Xylenes (total)	106				4039753	160.803	161
	71 m+p-Xylenes	106	14.557	14.561	(1.016)	2681426	106.049	106
	72 o-Xylene	106	15.127	15.131	(1.056)	1358327	54.7535	54.8
	73 Styrene	104	15.196	15.200	(1.061)	2288356	54.7654	54.8
	74 Bromoform	173	15.243	15.259	(1.064)	533178	55.4289	55.4
	75 Isopropylbenzene	105	15.533	15.537	(0.887)	3417859	58.8889	58.9
$	76 P-Bromofluorobenzene	95	15.940	15.944	(1.482)	966198	45.6881	45.7

Data File: \\Target_server\GG\chem\gcms-t.i\T032708.b\T9818.D
Report Date: 02-Apr-2008 09:23

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	FINAL (ug/l)
77 cis-1,4-Dichloro-2-Butene	53	16.022	16.037	(0.915)	223297	52.9308	52.9
78 trans-1,4-Dichloro-2-Butene	53	16.463	16.466	(0.940)	220737	53.0603	53.1
79 Bromobenzene	156	16.091	16.094	(0.919)	861742	51.4552	51.4
80 N-Propylbenzene	91	16.103	16.107	(0.920)	4054163	49.7395	49.7
81 1,1,2,2-Tetrachloroethane	83	16.207	16.210	(0.926)	783940	51.5222	51.5
82 1,3,5-Trimethylbenzene	105	16.370	16.373	(0.935)	2717807	52.9959	53.0
83 2-Chlorotoluene	91	16.335	16.338	(0.933)	2657880	52.0503	52.0
84 1,2,3-Trichloropropane	75	16.405	16.421	(0.937)	593249	50.7637	50.8
85 4-Chlorotoluene	91	16.568	16.572	(0.946)	2478901	53.3905	53.4
86 tert-Butylbenzene	119	16.823	16.827	(0.961)	2389311	51.7697	51.8
87 Pentachloroethane	117	16.858	16.873	(0.963)	522835	50.6811	50.7
88 1,2,4-Trimethylbenzene	105	16.916	16.920	(0.966)	2684258	52.7828	52.8
89 P-Isopropyltoluene	119	17.277	17.280	(0.987)	2984379	55.9672	56.0
90 1,3-Dichlorobenzene	146	17.404	17.408	(0.994)	1621235	51.7152	51.7
* 91 1,4-Dichlorobenzene-D4	152	17.509	17.513	(1.000)	881397	50.0000	
92 1,4-Dichlorobenzene	146	17.532	17.536	(1.001)	1596951	58.0321	58.0
93 N-Butylbenzene	91	17.881	17.896	(1.021)	2655750	53.4827	53.5
94 sec-Butylbenzene	105	17.067	17.082	(0.975)	3698080	52.6328	52.6
95 1,2-Dichlorobenzene	146	18.148	18.152	(1.037)	1451036	52.4471	52.4
96 1,2-Dibromo-3-Chloropropane	75	19.345	19.349	(1.105)	111973	38.6490	38.6
97 1,3,5-Trichlorobenzene	180	19.380	19.384	(1.107)	1064366	52.4756	52.5
98 Hexachlorobutadiene	225	20.310	20.313	(1.160)	431829	52.7806	52.8
99 1,2,4-Trichlorobenzene	180	20.368	20.383	(1.163)	925743	54.2168	54.2
100 1,2,3-Trimethylbenzene	105	17.555	17.559	(1.003)	2578387	53.1486	53.1
101 Naphthalene	128	20.891	20.895	(1.193)	1590383	55.3888	55.4
102 1,2,3-Trichlorobenzene	180	21.169	21.173	(1.209)	799716	54.6019	54.6
103 Methyl Acetate	43	6.214	6.241	(0.614)	727920	49.3277	49.3
104 Methylcyclohexane	83	10.676	10.680	(1.055)	1383334	51.2978	51.3
M 153 Total Alkylbenzenes	100				21183748	369.371	369

QC Flag Legend

R - Spike/Surrogate failed recovery limits.

Data File: \\Target_server\GG\chem\gcms-t.i\T032708.b\T9818.D
Report Date: 02-Apr-2008 09:23

Katahdin Analytical Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcms-t.i
Lab File ID: T9818.D
Lab Smp Id: WG49739-1
Analysis Type: VOA
Quant Type: ISTD
Operator: HCG
Method File: \\Target_server\GG\chem\gcms-t.i\T032708.b\T826a80.m
Misc Info: SW846 8260B

Calibration Date: 27-MAR-2008
Calibration Time: 08:55
Client Smp ID: WG49739-LCS
Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 4

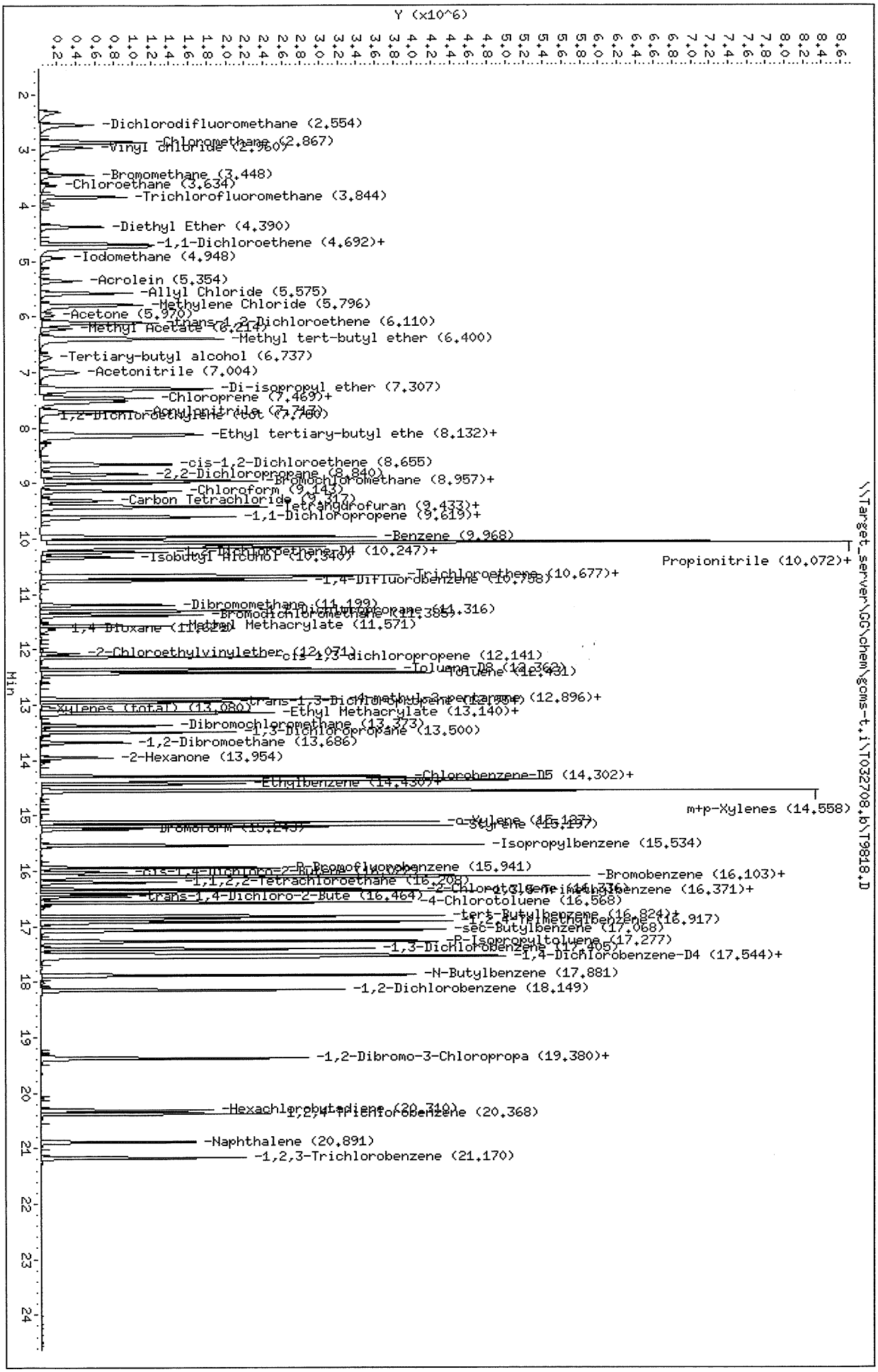
COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	1240417	620209	2480834	1276615	2.92
49 1,4-Difluorobenze	2035750	1017875	4071500	2075422	1.95
66 Chlorobenzene-D5	1652370	826185	3304740	1701009	2.94
91 1,4-Dichlorobenze	860267	430134	1720534	881397	2.46

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	10.11	9.61	10.61	10.12	0.07
49 1,4-Difluorobenze	10.76	10.26	11.26	10.76	-0.04
66 Chlorobenzene-D5	14.32	13.82	14.82	14.33	0.05
91 1,4-Dichlorobenze	17.50	17.00	18.00	17.51	0.04

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.

Data File: \\Target_server\GC\chem\gcms-t.i\T032708.b\T9818.D
Date : 27-MAR-2008 09:40
Client ID: WG49739-LCS
Sample Info: WG49739-1
Purge Volume: 5.0
Column phase: RTX-VMS

Instrument: gcms-t.i
Operator: HCG
Column diameter: 0.18



KATAHDIN ANALYTICAL SERVICES
LAB CONTROL SAMPLE

Client:
Project: CTO 426 NLON
PO No:
Sample Date:
Received Date:
Extraction Date:
Analysis Date: 03/28/08
Report Date: 04/02/2008
Matrix: WATER

Lab ID: WG49763-1
Client ID: WG49763-LCS
SDG: CTO426-2
Extracted by:
Extraction Method: SW846 5030
Analyst: HCG
Analysis Method: SW846 8260B
Lab Prep Batch: WG49763
Units: ug/l

COMPOUND	LCS SPIKE	SAMPLE CONC.	LCS CONC.		%REC.	QC. LIMITS
Dichlorodifluoromethane	50	NA	63		125	20-143
Chloromethane	50	NA	58		115	34-132
Vinyl chloride	50	NA	52		103	48-136
Bromomethane	50	NA	52		105	52-129
Chloroethane	50	NA	52		103	43-146
Trichlorofluoromethane	50	NA	60		121	62-157
Diethyl Ether	50	NA	50		100	74-141
Tertiary-butyl alcohol	250	NA	224		90	10-152
1,1-Dichloroethene	50	NA	52		103	64-126
Carbon Disulfide	50	NA	57		113	59-136
Freon-113	50	NA	51		103	78-140
Iodomethane	50	NA	50		99	54-107
Acrolein	250	NA	231		92	42-156
Methylene Chloride	50	NA	48		97	63-122
Acetone	50	NA	63		126	15-160
Isobutyl Alcohol	1000	NA	893		89	10-169
trans-1,2-Dichloroethene	50	NA	50		100	65-128
Allyl Chloride	50	NA	42		84	64-150
Methyl tert-butyl ether	100	NA	103		103	71-140
Acetonitrile	500	NA	450		90	40-164
Di-isopropyl ether	50	NA	52		105	77-135
Chloroprene	50	NA	50		99	82-133
Methacrylonitrile	500	NA	488		98	69-146
Propionitrile	500	NA	474		95	51-161
1,1-Dichloroethane	50	NA	52		104	74-135
Acrylonitrile	250	NA	237		95	67-144
Ethyl tertiary-butyl ether	50	NA	50		100	79-136
Vinyl Acetate	50	NA	53		106	57-139
cis-1,2-Dichloroethene	50	NA	50		101	75-117
1,2-Dichloroethylene (total)	100	NA	100		100	72-121
Methyl Methacrylate	50	NA	51		102	71-136
2,2-Dichloropropane	50	NA	44		88	55-140
Bromochloromethane	50	NA	28	*	55	80-132
Chloroform	50	NA	52		103	80-125
Carbon Tetrachloride	50	NA	44		89	76-123
Tetrahydrofuran	50	NA	49		99	38-157
1,1,1-Trichloroethane	50	NA	51		103	79-125
1,1-Dichloropropene	50	NA	53		106	80-125
2-Butanone	50	NA	47		94	45-184
Benzene	50	NA	54		107	71-125
Cyclohexane	50	NA	60		120	57-128
Ethyl Methacrylate	50	NA	53		105	73-134
Tertiary-amyl methyl ether	50	NA	50		100	78-133
1,2-Dichloroethane	50	NA	52		103	75-125
Trichloroethene	50	NA	51		102	78-118

KATAHDIN ANALYTICAL SERVICES
LAB CONTROL SAMPLE

Client:
Project: CTO 426 NLON
PO No:
Sample Date:
Received Date:
Extraction Date:
Analysis Date: 03/28/08
Report Date: 04/02/2008
Matrix: WATER

Lab ID: WG49763-1
Client ID: WG49763-LCS
SDG: CTO426-2
Extracted by:
Extraction Method: SW846 5030
Analyst: HCG
Analysis Method: SW846 8260B
Lab Prep Batch: WG49763
Units: ug/l

COMPOUND	LCS SPIKE	SAMPLE CONC.	LCS CONC.	%REC.	QC. LIMITS
Dibromomethane	50	NA	49	99	73-125
1,2-Dichloropropane	50	NA	54	108	78-127
Bromodichloromethane	50	NA	53	105	76-118
cis-1,3-dichloropropene	50	NA	54	109	84-125
1,4-Dioxane	1000	NA	777	78	10-178
2-Chloroethylvinylether	50	NA	61	121	20-191
Toluene	50	NA	54	107	79-118
4-methyl-2-pentanone	50	NA	52	104	44-157
Tetrachloroethene	50	NA	52	104	71-137
trans-1,3-Dichloropropene	50	NA	57	114	89-137
1,1,2-Trichloroethane	50	NA	51	102	76-125
Dibromochloromethane	50	NA	53	106	77-119
1,3-Dichloropropane	50	NA	52	103	79-122
1,2-Dibromoethane	50	NA	51	101	78-124
2-Hexanone	50	NA	51	102	27-182
Chlorobenzene	50	NA	53	105	81-118
Ethylbenzene	50	NA	52	104	80-115
1,1,1,2-Tetrachloroethane	50	NA	52	105	79-118
Xylenes (total)	150	NA	161	107	85-114
m+p-Xylenes	100	NA	107	107	87-113
o-Xylene	50	NA	54	109	80-118
Styrene	50	NA	55	110	81-116
Bromoform	50	NA	52	103	69-129
Isopropylbenzene	50	NA	60	121	87-129
cis-1,4-Dichloro-2-Butene	50	NA	51	102	60-133
trans-1,4-Dichloro-2-Butene	50	NA	50	100	67-134
Bromobenzene	50	NA	51	101	83-112
N-Propylbenzene	50	NA	51	103	79-121
1,1,2,2-Tetrachloroethane	50	NA	52	103	68-133
1,3,5-Trimethylbenzene	50	NA	53	107	80-117
2-Chlorotoluene	50	NA	54	108	86-113
1,2,3-Trichloropropane	50	NA	51	102	63-133
4-Chlorotoluene	50	NA	55	110	84-117
tert-Butylbenzene	50	NA	52	105	78-122
Pentachloroethane	50	NA	48	96	64-135
1,2,4-Trimethylbenzene	50	NA	54	107	78-116
P-Isopropyltoluene	50	NA	56	112	79-123
1,3-Dichlorobenzene	50	NA	51	102	86-111
1,4-Dichlorobenzene	50	NA	57	115	78-118
N-Butylbenzene	50	NA	54	109	76-119
sec-Butylbenzene	50	NA	54	108	77-121
1,2-Dichlorobenzene	50	NA	52	104	86-113
1,2-Dibromo-3-Chloropropane	50	NA	38	76	63-133
1,3,5-Trichlorobenzene	50	NA	48	97	84-118
Hexachlorobutadiene	50	NA	48	97	70-114

KATAHDIN ANALYTICAL SERVICES
LAB CONTROL SAMPLE

Client:
Project: CTO 426 NLON
PO No:
Sample Date:
Received Date:
Extraction Date:
Analysis Date: 03/28/08
Report Date: 04/02/2008
Matrix: WATER

Lab ID: WG49763-1
Client ID: WG49763-LCS
SDG: CTO426-2
Extracted by:
Extraction Method: SW846 5030
Analyst: HCG
Analysis Method: SW846 8260B
Lab Prep Batch: WG49763
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	52	105	85-124
Naphthalene	50	NA	52	104	64-121
1,2,3-Trichlorobenzene	50	NA	51	101	73-117
Methyl Acetate	50	NA	50	100	52-142
Methylcyclohexane	50	NA	53	106	83-125
1-Chlorohexane	50	NA	52	104	78-128
Total Alkylbenzenes	350	NA	375	107	60-140

Data File: \\Target_server\GG\chem\gcms-t.i\T032808.b\T9842.D
Report Date: 02-Apr-2008 10:02

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gcms-t.i\T032808.b\T9842.D
Lab Smp Id: WG49763-1 Client Smp ID: WG49763-LCS
Inj Date : 28-MAR-2008 12:03 MS Autotune Date: 05-MAR-2008 13:39
Operator : HCG Inst ID: gcms-t.i
Smp Info : WG49763-1
Misc Info : SW846 8260B
Comment :
Method : \\Target_server\GG\chem\gcms-t.i\T032808.b\T826a80.m
Meth Date : 28-Mar-2008 10:01 hgroshong Quant Type: ISTD
Cal Date : 26-MAR-2008 13:56 Cal File: T9813.D
Als bottle: 5 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.12
Processing Host: MIS_2

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)
1 Dichlorodifluoromethane	85	2.558	2.557	(0.253)	1156439	62.6677	62.7
2 Chloromethane	50	2.860	2.859	(0.283)	1689058	57.4742	57.5
3 Vinyl chloride	62	2.964	2.964	(0.293)	1149340	51.6594	51.6
4 Bromomethane	94	3.452	3.452	(0.341)	603853	52.3413	52.3
5 Chloroethane	64	3.650	3.649	(0.361)	309511	51.6458	51.6
6 Trichlorofluoromethane	101	3.859	3.847	(0.381)	1123593	60.5103	60.5
7 Diethyl Ether	59	4.394	4.393	(0.434)	575368	50.1942	50.2
8 Tertiary-butyl alcohol	59	6.753	6.764	(0.667)	279635	224.085	224
9 1,1-Dichloroethene	96	4.708	4.695	(0.465)	658235	51.4782	51.5
10 Carbon Disulfide	76	4.731	4.730	(0.467)	1799061	56.5685	56.6
11 Freon-113	151	4.777	4.777	(0.472)	470582	51.3139	51.3
12 Iodomethane	142	4.963	4.951	(0.490)	494542	49.4703	49.5
13 Acrolein	56	5.370	5.369	(0.530)	682311	230.851	231
14 Methylene Chloride	84	5.811	5.811	(0.574)	1015647	48.4322	48.4
15 Acetone	43	5.986	5.985	(0.591)	384700	63.2496	63.2
16 Isobutyl Alcohol	43	10.344	10.355	(1.022)	550841	893.175	893
17 trans-1,2-Dichloroethene	96	6.125	6.125	(0.605)	964023	49.9372	49.9
18 Allyl Chloride	41	5.591	5.590	(0.552)	1177057	41.7915	41.8
19 Methyl tert-butyl ether	73	6.416	6.415	(0.634)	3380857	103.239	103
20 Acetonitrile	39	7.020	7.019	(0.694)	235006	450.216	450
21 Di-isopropyl ether	45	7.322	7.322	(0.723)	3753557	52.4663	52.5
22 Chloroprene	53	7.485	7.484	(0.739)	1349537	49.7495	49.7
23 Propionitrile	54	10.065	10.064	(0.994)	930857	474.017	474

Data File: \\Target_server\GG\chem\gcms-t.i\T032808.b\T9842.D
Report Date: 02-Apr-2008 10:02

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	FINAL (ug/l)
	24 Methacrylonitrile	41	10.088	10.087	(0.997)	4882445	487.712	488
	25 1,1-Dichloroethane	63	7.543	7.542	(0.745)	1687719	52.0493	52.0
	26 Acrylonitrile	52	7.729	7.728	(0.764)	1191822	237.364	237
	27 Ethyl tertiary-butyl ether	59	8.147	8.147	(0.805)	2584350	50.0116	50.0
	28 Vinyl Acetate	43	8.182	8.182	(0.760)	2246640	53.1131	53.1
	29 cis-1,2-Dichloroethene	96	8.670	8.670	(0.857)	1006915	50.4841	50.5
M	30 1,2-Dichloroethylene (total)	96				1970938	100.421	100
	31 Methyl Methacrylate	41	11.587	11.586	(1.077)	732042	51.0135	51.0
	32 2,2-Dichloropropane	77	8.856	8.856	(0.875)	887558	43.7663	43.8
	33 Bromochloromethane	128	9.007	9.018	(0.890)	468001	27.5196	27.5(R)
	34 Chloroform	83	9.158	9.158	(0.905)	1476186	51.5684	51.6
	35 Carbon Tetrachloride	117	9.321	9.320	(0.866)	586306	44.4056	44.4
	36 Tetrahydrofuran	42	9.402	9.402	(0.929)	237183	49.3723	49.4
$	37 Dibromofluoromethane	113	9.437	9.437	(0.932)	812671	44.3695	44.4
	38 1,1,1-Trichloroethane	97	9.437	9.437	(0.932)	1152081	51.3284	51.3
	39 1,1-Dichloropropene	75	9.623	9.622	(0.894)	1195333	52.8808	52.9
	40 2-Butanone	43	9.658	9.657	(0.954)	374219	47.1126	47.1
	41 Benzene	78	9.972	9.971	(0.927)	3562478	53.6633	53.7
*	42 Pentafluorobenzene	168	10.123	10.122	(1.000)	1336436	50.0000	
	43 Cyclohexane	56	8.972	8.972	(0.886)	1646749	59.7741	59.8
	44 Ethyl Methacrylate	69	13.132	13.144	(1.220)	918274	52.7261	52.7
$	45 1,2-Dichloroethane-D4	65	10.169	10.169	(1.005)	721680	41.8659	41.9
	46 Tertiary-amyl methyl ether	73	10.158	10.157	(1.003)	2052748	50.0494	50.0
	47 1,2-Dichloroethane	62	10.262	10.262	(0.954)	1026437	51.6126	51.6
	48 Trichloroethene	95	10.715	10.715	(0.996)	905872	50.9093	50.9
*	49 1,4-Difluorobenzene	114	10.762	10.761	(1.000)	2222877	50.0000	
	50 Dibromomethane	93	11.203	11.203	(1.041)	507901	49.2784	49.3
	51 1,2-Dichloropropane	63	11.320	11.319	(1.052)	920389	54.0829	54.1
	52 Bromodichloromethane	83	11.389	11.389	(1.058)	1063863	52.7128	52.7
	53 cis-1,3-dichloropropene	75	12.145	12.144	(1.128)	1358637	54.3508	54.4
	54 1,4-Dioxane	88	11.645	11.644	(1.082)	124369	777.338	777
$	55 Toluene-D8	98	12.366	12.365	(1.149)	2607239	46.5157	46.5
	56 2-Chloroethylvinylether	63	12.075	12.074	(1.122)	132347	60.6804	60.7
	57 Toluene	92	12.435	12.435	(1.155)	2205769	53.6958	53.7
	58 4-methyl-2-pentanone	43	12.912	12.923	(1.200)	770983	52.2023	52.2
	59 Tetrachloroethene	164	12.900	12.900	(0.900)	715740	52.2285	52.2
	60 trans-1,3-Dichloropropene	75	12.958	12.958	(1.204)	1111901	57.0558	57.0
	61 1,1,2-Trichloroethane	83	13.156	13.167	(1.222)	574332	51.2234	51.2
	62 Dibromochloromethane	129	13.377	13.388	(0.934)	786294	52.8728	52.9
	63 1,3-Dichloropropane	76	13.504	13.504	(0.942)	1241174	51.7324	51.7
	64 1,2-Dibromoethane	107	13.690	13.690	(1.272)	730473	50.5640	50.6
	65 2-Hexanone	43	13.958	13.957	(0.974)	536820	50.9122	50.9
*	66 Chlorobenzene-D5	117	14.329	14.329	(1.000)	1817606	50.0000	
	67 Chlorobenzene	112	14.353	14.352	(1.002)	2211117	52.6780	52.7
	152 1-Chlorohexane	91	14.306	14.306	(1.413)	1423951	52.1461	52.1
	68 Ethylbenzene	106	14.376	14.375	(1.003)	1170522	52.0142	52.0
	69 1,1,1,2-Tetrachloroethane	131	14.434	14.433	(1.007)	726164	52.4821	52.5
M	70 Xylenes (total)	106				4329252	161.262	161
	71 m+p-Xylenes	106	14.562	14.561	(1.016)	2886590	106.840	107
	72 o-Xylene	106	15.131	15.131	(1.056)	1442662	54.4226	54.4
	73 Styrene	104	15.201	15.200	(1.061)	2463692	55.1793	55.2
	74 Bromoform	173	15.247	15.259	(1.064)	529461	51.5116	51.5
	75 Isopropylbenzene	105	15.538	15.537	(0.887)	3655421	60.3278	60.3
$	76 P-Bromofluorobenzene	95	15.945	15.944	(1.482)	1054915	46.5742	46.6

Data File: \\Target_server\GG\chem\gcms-t.i\T032808.b\T9842.D
Report Date: 02-Apr-2008 10:02

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	FINAL (ug/l)
	77 cis-1,4-Dichloro-2-Butene	53	16.026	16.037	(0.915)	225161	51.1235	51.1
	78 trans-1,4-Dichloro-2-Butene	53	16.456	16.466	(0.940)	216753	49.9069	49.9
	79 Bromobenzene	156	16.096	16.094	(0.919)	885947	50.6711	50.7
	80 N-Propylbenzene	91	16.107	16.107	(0.920)	4347906	51.3165	51.3
	81 1,1,2,2-Tetrachloroethane	83	16.212	16.210	(0.926)	818951	51.5550	51.6
	82 1,3,5-Trimethylbenzene	105	16.375	16.373	(0.935)	2857991	53.3809	53.4
	83 2-Chlorotoluene	91	16.340	16.338	(0.933)	2867751	53.7936	53.8
	84 1,2,3-Trichloropropane	75	16.410	16.421	(0.937)	619904	50.8091	50.8
	85 4-Chlorotoluene	91	16.572	16.572	(0.946)	2658100	54.8375	54.8
	86 tert-Butylbenzene	119	16.828	16.827	(0.961)	2529702	52.5017	52.5
	87 Pentachloroethane	117	16.863	16.873	(0.963)	518190	48.1235	48.1
	88 1,2,4-Trimethylbenzene	105	16.921	16.920	(0.966)	2839314	53.4790	53.5
	89 P-Isopropyltoluene	119	17.281	17.280	(0.987)	3116394	55.9800	56.0
	90 1,3-Dichlorobenzene	146	17.409	17.408	(0.994)	1673534	51.1338	51.1
*	91 1,4-Dichlorobenzene-D4	152	17.513	17.513	(1.000)	920175	50.0000	
	92 1,4-Dichlorobenzene	146	17.537	17.536	(1.001)	1648735	57.3568	57.4
	93 N-Butylbenzene	91	17.885	17.896	(1.021)	2825123	54.4960	54.5
	94 sec-Butylbenzene	105	17.072	17.082	(0.975)	3944841	53.7788	53.8
	95 1,2-Dichlorobenzene	146	18.153	18.152	(1.036)	1505320	52.1163	52.1
	96 1,2-Dibromo-3-Chloropropane	75	19.350	19.349	(1.105)	115428	38.1575	38.2
	97 1,3,5-Trichlorobenzene	180	19.384	19.384	(1.107)	1027689	48.5321	48.5
	98 Hexachlorobutadiene	225	20.314	20.313	(1.160)	414371	48.3288	48.3
	99 1,2,4-Trichlorobenzene	180	20.372	20.383	(1.163)	888329	49.8332	49.8
	100 1,2,3-Trimethylbenzene	105	17.560	17.559	(1.003)	2650989	52.3423	52.3
	101 Naphthalene	128	20.883	20.895	(1.192)	1552492	51.7906	51.8
	102 1,2,3-Trichlorobenzene	180	21.174	21.173	(1.209)	773091	50.5596	50.6
	103 Methyl Acetate	43	6.241	6.241	(0.617)	770644	49.8853	49.9
	104 Methylcyclohexane	83	10.681	10.680	(1.055)	1496938	53.0259	53.0
M	153 Total Alkylbenzenes	100				22461271	374.933	375

QC Flag Legend

R - Spike/Surrogate failed recovery limits.

Data File: \\Target_server\GG\chem\gcms-t.i\T032808.b\T9842.D
Report Date: 02-Apr-2008 10:02

Katahdin Analytical Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcms-t.i
Lab File ID: T9842.D
Lab Smp Id: WG49763-1
Analysis Type: VOA
Quant Type: ISTD
Operator: HCG
Method File: \\Target_server\GG\chem\gcms-t.i\T032808.b\T826a80.m
Misc Info: SW846 8260B

Calibration Date: 28-MAR-2008
Calibration Time: 09:37
Client Smp ID: WG49763-LCS
Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 4

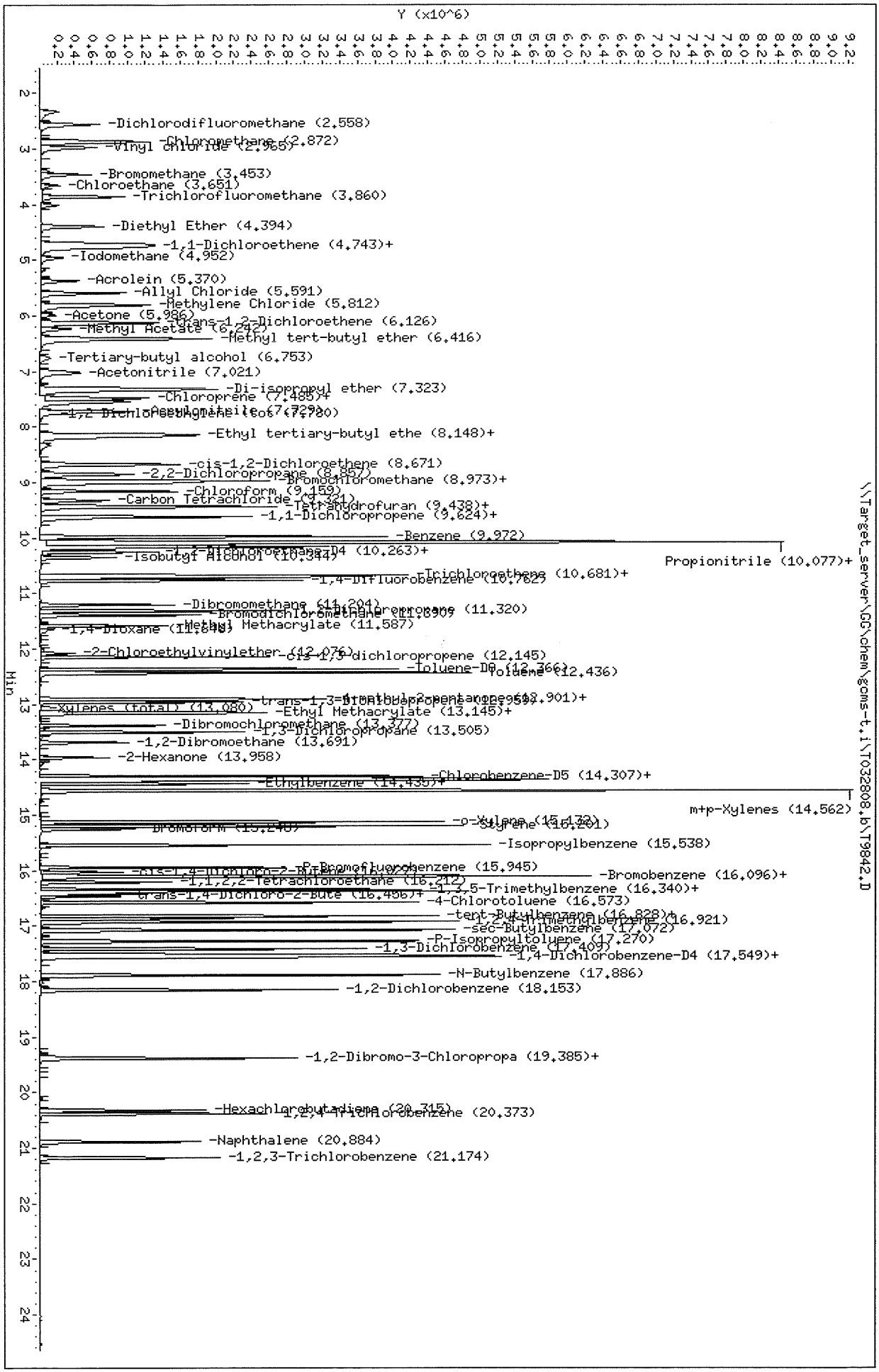
COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	1314984	657492	2629968	1336436	1.63
49 1,4-Difluorobenze	2208803	1104402	4417606	2222877	0.64
66 Chlorobenzene-D5	1834563	917282	3669126	1817606	-0.92
91 1,4-Dichlorobenze	928023	464012	1856046	920175	-0.85

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	10.12	9.62	10.62	10.12	0.05
49 1,4-Difluorobenze	10.76	10.26	11.26	10.76	0.04
66 Chlorobenzene-D5	14.33	13.83	14.83	14.33	0.03
91 1,4-Dichlorobenze	17.51	17.01	18.01	17.51	0.03

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.

Data File: \\Target_server\GC\chem\gcms-t.i\T032808.b\T9842.D
Date : 28-MAR-2008 12:03
Client ID: WG49763-LCS
Sample Info: WG49763-1
Purge Volume: 5.0
Column phase: RTX-VMS

Instrument: gcms-t.i
Operator: HCG
Column diameter: 0.18



KATAHDIN ANALYTICAL SERVICES
LAB CONTROL SAMPLE

Client:
Project: CTO 426 NLON
PO No:
Sample Date:
Received Date:
Extraction Date:
Analysis Date: 04/01/08
Report Date: 04/02/2008
Matrix: WATER

Lab ID: WG49847-1
Client ID: WG49847-LCS
SDG: CTO426-2
Extracted by:
Extraction Method: SW846 5030
Analyst: HCG
Analysis Method: SW846 8260B
Lab Prep Batch: WG49847
Units: ug/l

COMPOUND	LCS SPIKE	SAMPLE CONC.	LCS CONC.		%REC.	QC. LIMITS
Dichlorodifluoromethane	50	NA	56		111	20-143
Chloromethane	50	NA	52		105	34-132
Vinyl chloride	50	NA	47		94	48-136
Bromomethane	50	NA	44		87	52-129
Chloroethane	50	NA	36		73	43-146
Trichlorofluoromethane	50	NA	53		107	62-157
Diethyl Ether	50	NA	54		107	74-141
Tertiary-butyl alcohol	250	NA	250		100	10-152
1,1-Dichloroethene	50	NA	45		89	64-126
Carbon Disulfide	50	NA	58		116	59-136
Freon-113	50	NA	51		102	78-140
Iodomethane	50	NA	62	*	125	54-107
Acrolein	250	NA	279		112	42-156
Methylene Chloride	50	NA	45		90	63-122
Acetone	50	NA	56		112	15-160
Isobutyl Alcohol	1000	NA	1150		115	10-169
trans-1,2-Dichloroethene	50	NA	45		89	65-128
Allyl Chloride	50	NA	51		102	64-150
Methyl tert-butyl ether	100	NA	109		109	71-140
Acetonitrile	500	NA	495		99	40-164
Di-isopropyl ether	50	NA	54		108	77-135
Chloroprene	50	NA	50		100	82-133
Methacrylonitrile	500	NA	542		108	69-146
Propionitrile	500	NA	545		109	51-161
1,1-Dichloroethane	50	NA	47		95	74-135
Acrylonitrile	250	NA	268		107	67-144
Ethyl tertiary-butyl ether	50	NA	52		104	79-136
Vinyl Acetate	50	NA	59		119	57-139
cis-1,2-Dichloroethene	50	NA	46		92	75-117
1,2-Dichloroethylene (total)	100	NA	90		90	72-121
Methyl Methacrylate	50	NA	59		118	71-136
2,2-Dichloropropane	50	NA	45		90	55-140
Bromochloromethane	50	NA	25	*	51	80-132
Chloroform	50	NA	47		94	80-125
Carbon Tetrachloride	50	NA	45		91	76-123
Tetrahydrofuran	50	NA	53		106	38-157
1,1,1-Trichloroethane	50	NA	45		90	79-125
1,1-Dichloropropene	50	NA	49		98	80-125
2-Butanone	50	NA	52		103	45-184
Benzene	50	NA	51		102	71-125
Cyclohexane	50	NA	52		105	57-128
Ethyl Methacrylate	50	NA	59		118	73-134
Tertiary-amyl methyl ether	50	NA	53		107	78-133
1,2-Dichloroethane	50	NA	49		98	75-125
Trichloroethene	50	NA	45		90	78-118

KATAHDIN ANALYTICAL SERVICES
LAB CONTROL SAMPLE

Client:
Project: CTO 426 NLON
PO No:
Sample Date:
Received Date:
Extraction Date:
Analysis Date: 04/01/08
Report Date: 04/02/2008
Matrix: WATER

Lab ID: WG49847-1
Client ID: WG49847-LCS
SDG: CTO426-2
Extracted by:
Extraction Method: SW846 5030
Analyst: HCG
Analysis Method: SW846 8260B
Lab Prep Batch: WG49847
Units: ug/l

COMPOUND	LCS SPIKE	SAMPLE CONC.	LCS CONC.	%REC.	QC. LIMITS
Dibromomethane	50	NA	48	97	73-125
1,2-Dichloropropane	50	NA	51	101	78-127
Bromodichloromethane	50	NA	50	101	76-118
cis-1,3-dichloropropene	50	NA	53	106	84-125
1,4-Dioxane	1000	NA	856	86	10-178
2-Chloroethylvinylether	50	NA	50	100	20-191
Toluene	50	NA	50	100	79-118
4-methyl-2-pentanone	50	NA	57	115	44-157
Tetrachloroethene	50	NA	48	96	71-137
trans-1,3-Dichloropropene	50	NA	57	114	89-137
1,1,2-Trichloroethane	50	NA	50	99	76-125
Dibromochloromethane	50	NA	51	102	77-119
1,3-Dichloropropane	50	NA	51	102	79-122
1,2-Dibromoethane	50	NA	49	98	78-124
2-Hexanone	50	NA	57	113	27-182
Chlorobenzene	50	NA	50	100	81-118
Ethylbenzene	50	NA	49	97	80-115
1,1,1,2-Tetrachloroethane	50	NA	51	102	79-118
Xylenes (total)	150	NA	151	101	85-114
m+p-Xylenes	100	NA	100	100	87-113
o-Xylene	50	NA	51	102	80-118
Styrene	50	NA	51	103	81-116
Bromoform	50	NA	51	102	69-129
Isopropylbenzene	50	NA	56	112	87-129
cis-1,4-Dichloro-2-Butene	50	NA	62	124	60-133
trans-1,4-Dichloro-2-Butene	50	NA	61	122	67-134
Bromobenzene	50	NA	48	96	83-112
N-Propylbenzene	50	NA	48	96	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	51	101	86-113
1,2,3-Trichloropropane	50	NA	50	100	63-133
4-Chlorotoluene	50	NA	52	104	84-117
tert-Butylbenzene	50	NA	49	98	78-122
Pentachloroethane	50	NA	50	101	64-135
1,2,4-Trimethylbenzene	50	NA	50	101	78-116
P-Isopropyltoluene	50	NA	52	104	79-123
1,3-Dichlorobenzene	50	NA	48	96	86-111
1,4-Dichlorobenzene	50	NA	54	108	78-118
N-Butylbenzene	50	NA	52	103	76-119
sec-Butylbenzene	50	NA	50	99	77-121
1,2-Dichlorobenzene	50	NA	49	98	86-113
1,2-Dibromo-3-Chloropropane	50	NA	42	84	63-133
1,3,5-Trichlorobenzene	50	NA	51	102	84-118
Hexachlorobutadiene	50	NA	44	88	70-114

KATAHDIN ANALYTICAL SERVICES
LAB CONTROL SAMPLE

Client:
Project: CTO 426 NLON
PO No:
Sample Date:
Received Date:
Extraction Date:
Analysis Date: 04/01/08
Report Date: 04/02/2008
Matrix: WATER

Lab ID: WG49847-1
Client ID: WG49847-LCS
SDG: CTO426-2
Extracted by:
Extraction Method: SW846 5030
Analyst: HCG
Analysis Method: SW846 8260B
Lab Prep Batch: WG49847
Units: ug/l

COMPOUND	LCS SPIKE	SAMPLE CONC.	LCS CONC.	%REC.	QC. LIMITS
1,2,4-Trichlorobenzene	50	NA	48	97	74-116
1,2,3-Trimethylbenzene	50	NA	54	108	85-124
Naphthalene	50	NA	55	110	64-121
1,2,3-Trichlorobenzene	50	NA	49	98	73-117
Methyl Acetate	50	NA	53	106	52-142
Methylcyclohexane	50	NA	53	107	83-125
1-Chlorohexane	50	NA	46	93	78-128
Total Alkylbenzenes	350	NA	350	100	60-140

FORM III VOA-1

T9875.D

Data File: \\Target_server\GG\chem\gcms-t.i\T040108.b\T9875.D
Report Date: 02-Apr-2008 10:12

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gcms-t.i\T040108.b\T9875.D
Lab Smp Id: WG49847-1 Client Smp ID: WG49847-LCS
Inj Date : 01-APR-2008 12:56 MS Autotune Date: 05-MAR-2008 13:39
Operator : HCG Inst ID: gcms-t.i
Smp Info : WG49847-1
Misc Info : SW846 8260B
Comment :
Method : \\Target_server\GG\chem\gcms-t.i\T040108.b\T826a80.m
Meth Date : 01-Apr-2008 12:04 hgroshong Quant Type: ISTD
Cal Date : 26-MAR-2008 13:56 Cal File: T9813.D
Als bottle: 3 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.12
Processing Host: MIS_2

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)
1 Dichlorodifluoromethane	85	2.552	2.557	(0.252)	1090906	55.6049	55.6
2 Chloromethane	50	2.854	2.859	(0.282)	1633788	52.2913	52.3
3 Vinyl chloride	62	2.959	2.964	(0.292)	1109953	46.9257	46.9
4 Bromomethane	94	3.447	3.452	(0.341)	525836	43.4899	43.5
5 Chloroethane	64	3.644	3.649	(0.360)	231108	36.3757	36.4
6 Trichlorofluoromethane	101	3.853	3.847	(0.381)	1053652	53.3731	53.4
7 Diethyl Ether	59	4.388	4.393	(0.434)	653410	53.6165	53.6
8 Tertiary-butyl alcohol	59	6.747	6.764	(0.667)	335176	250.325	250
9 1,1-Dichloroethene	96	4.690	4.695	(0.464)	606448	44.6109	44.6
10 Carbon Disulfide	76	4.725	4.730	(0.467)	1957029	57.8607	57.9
11 Freon-113	151	4.771	4.777	(0.472)	499272	51.2084	51.2
12 Iodomethane	142	4.946	4.951	(0.489)	663151	62.3963	62.4(R)
13 Acrolein	56	5.364	5.369	(0.530)	876186	278.837	279
14 Methylene Chloride	84	5.806	5.811	(0.574)	1002441	44.9630	45.0
15 Acetone	43	5.980	5.985	(0.591)	362494	56.0585	56.0
16 Isobutyl Alcohol	43	10.349	10.355	(1.023)	751740	1146.52	1150
17 trans-1,2-Dichloroethene	96	6.119	6.125	(0.605)	915556	44.6094	44.6
18 Allyl Chloride	41	5.585	5.590	(0.552)	1568958	50.8198	50.8
19 Methyl tert-butyl ether	73	6.410	6.415	(0.634)	3789729	108.850	109
20 Acetonitrile	39	7.014	7.019	(0.693)	276235	494.755	495
21 Di-isopropyl ether	45	7.316	7.322	(0.723)	4095159	53.8410	53.8
22 Chloroprene	53	7.479	7.484	(0.739)	1448367	50.2212	50.2
23 Propionitrile	54	10.071	10.064	(0.995)	1138655	545.391	545

Data File: \\Target_server\GG\chem\gcms-t.i\T040108.b\T9875.D
Report Date: 02-Apr-2008 10:12

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	FINAL (ug/l)
	24 Methacrylonitrile	41	10.082	10.087	(0.997)	5767040	541.856	542
	25 1,1-Dichloroethane	63	7.537	7.542	(0.745)	1631172	47.3172	47.3
	26 Acrylonitrile	52	7.723	7.728	(0.763)	1431755	268.211	268
	27 Ethyl tertiary-butyl ether	59	8.141	8.147	(0.805)	2848441	51.8479	51.8
	28 Vinyl Acetate	43	8.176	8.182	(0.759)	2569023	59.3602	59.4
	29 cis-1,2-Dichloroethene	96	8.664	8.670	(0.856)	972432	45.8591	45.8
M	30 1,2-Dichloroethylene (total)	96				1887988	90.4685	90.5
	31 Methyl Methacrylate	41	11.581	11.586	(1.076)	867047	59.0542	59.0
	32 2,2-Dichloropropane	77	8.850	8.856	(0.875)	971157	44.9031	44.9
	33 Bromochloromethane	128	9.013	9.018	(0.891)	459125	25.3940	25.4(R)
	34 Chloroform	83	9.152	9.158	(0.905)	1422909	46.7546	46.8
	35 Carbon Tetrachloride	117	9.315	9.320	(0.865)	615169	45.4203	45.4
	36 Tetrahydrofuran	42	9.397	9.402	(0.929)	269414	52.7503	52.8
$	37 Dibromofluoromethane	113	9.431	9.437	(0.932)	836527	42.9590	43.0
	38 1,1,1-Trichloroethane	97	9.443	9.437	(0.933)	1075499	45.0702	45.1
	39 1,1-Dichloropropene	75	9.617	9.622	(0.893)	1138958	49.2466	49.2
	40 2-Butanone	43	9.652	9.657	(0.954)	436762	51.7203	51.7
	41 Benzene	78	9.978	9.971	(0.927)	3475145	51.1632	51.2
*	42 Pentafluorobenzene	168	10.117	10.122	(1.000)	1420834	50.0000	
	43 Cyclohexane	56	8.967	8.972	(0.886)	1532860	52.3351	52.3
	44 Ethyl Methacrylate	69	13.138	13.144	(1.220)	1048387	58.8348	58.8
$	45 1,2-Dichloroethane-D4	65	10.175	10.169	(1.006)	772613	42.1582	42.2
	46 Tertiary-amyl methyl ether	73	10.152	10.157	(1.003)	2326184	53.3472	53.3
	47 1,2-Dichloroethane	62	10.256	10.262	(0.953)	992900	48.7965	48.8
	48 Trichloroethene	95	10.710	10.715	(0.995)	820054	45.0435	45.0
*	49 1,4-Difluorobenzene	114	10.768	10.761	(1.000)	2274343	50.0000	
	50 Dibromomethane	93	11.198	11.203	(1.040)	511077	48.4645	48.5
	51 1,2-Dichloropropane	63	11.314	11.319	(1.051)	883152	50.7205	50.7
	52 Bromodichloromethane	83	11.395	11.389	(1.058)	1041672	50.4453	50.4
	53 cis-1,3-dichloropropene	75	12.151	12.144	(1.128)	1357597	53.0802	53.1
	54 1,4-Dioxane	88	11.639	11.644	(1.081)	140079	855.717	856
$	55 Toluene-D8	98	12.371	12.365	(1.149)	2678724	46.7096	46.7
	56 2-Chloroethylvinylether	63	12.081	12.074	(1.122)	110215	50.0927	50.1
	57 Toluene	92	12.429	12.435	(1.154)	2109752	50.1962	50.2
	58 4-methyl-2-pentanone	43	12.918	12.923	(1.200)	866694	57.3549	57.4
	59 Tetrachloroethene	164	12.906	12.900	(0.900)	669248	47.8725	47.9
	60 trans-1,3-Dichloropropene	75	12.964	12.958	(1.204)	1137728	57.0599	57.0
	61 1,1,2-Trichloroethane	83	13.162	13.167	(1.222)	569633	49.6546	49.6
	62 Dibromochloromethane	129	13.382	13.388	(0.934)	775781	51.2450	51.2
	63 1,3-Dichloropropane	76	13.510	13.504	(0.942)	1250870	51.2161	51.2
	64 1,2-Dibromoethane	107	13.696	13.690	(1.272)	728103	49.2594	49.2
	65 2-Hexanone	43	13.963	13.957	(0.974)	607497	56.5981	56.6
*	66 Chlorobenzene-D5	117	14.335	14.329	(1.000)	1850271	50.0000	
	67 Chlorobenzene	112	14.359	14.352	(1.002)	2135161	49.9704	50.0
	152 1-Chlorohexane	91	14.300	14.306	(1.413)	1349784	46.4939	46.5
	68 Ethylbenzene	106	14.382	14.375	(1.003)	1113473	48.6056	48.6
	69 1,1,1,2-Tetrachloroethane	131	14.440	14.433	(1.007)	720986	51.1879	51.2
M	70 Xylenes (total)	106				4123152	150.871	151
	71 m+p-Xylenes	106	14.568	14.561	(1.016)	2753482	100.114	100
	72 o-Xylene	106	15.125	15.131	(1.055)	1369670	50.7569	50.8
	73 Styrene	104	15.207	15.200	(1.061)	2335482	51.3843	51.4
	74 Bromoform	173	15.253	15.259	(1.064)	535759	51.2041	51.2
	75 Isopropylbenzene	105	15.544	15.537	(0.887)	3463478	56.0433	56.0
$	76 P-Bromofluorobenzene	95	15.951	15.944	(1.481)	1081797	46.6802	46.7

Data File: \\Target_server\GG\chem\gcms-t.i\T040108.b\T9875.D
Report Date: 02-Apr-2008 10:12

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	CONCENTRATIONS FINAL (ug/l)
77 cis-1,4-Dichloro-2-Butene	53	16.032	16.037	(0.915)	279581	62.2395	62.2
78 trans-1,4-Dichloro-2-Butene	53	16.462	16.466	(0.940)	270830	61.1397	61.1
79 Bromobenzene	156	16.102	16.094	(0.919)	858693	48.1528	48.2
80 N-Propylbenzene	91	16.113	16.107	(0.920)	4185914	48.0005	48.0
81 1,1,2,2-Tetrachloroethane	83	16.218	16.210	(0.926)	854841	52.7629	52.8
82 1,3,5-Trimethylbenzene	105	16.381	16.373	(0.935)	2706387	49.5617	49.6
83 2-Chlorotoluene	91	16.346	16.338	(0.933)	2753505	50.6414	50.6
84 1,2,3-Trichloropropane	75	16.415	16.421	(0.937)	623260	50.0861	50.1
85 4-Chlorotoluene	91	16.578	16.572	(0.946)	2562849	51.8394	51.8
86 tert-Butylbenzene	119	16.834	16.827	(0.961)	2415569	49.1535	49.2
87 Pentachloroethane	117	16.869	16.873	(0.963)	554689	50.4974	50.5
88 1,2,4-Trimethylbenzene	105	16.927	16.920	(0.966)	2729259	50.4017	50.4
89 P-Isopropyltoluene	119	17.275	17.280	(0.986)	2941990	51.8147	51.8
90 1,3-Dichlorobenzene	146	17.415	17.408	(0.994)	1599835	47.9270	47.9
* 91 1,4-Dichlorobenzene-D4	152	17.519	17.513	(1.000)	938511	50.0000	
92 1,4-Dichlorobenzene	146	17.543	17.536	(1.001)	1581839	53.7819	53.8
93 N-Butylbenzene	91	17.891	17.896	(1.021)	2723454	51.5085	51.5
94 sec-Butylbenzene	105	17.078	17.082	(0.975)	3716251	49.6727	49.7
95 1,2-Dichlorobenzene	146	18.158	18.152	(1.036)	1444135	49.0211	49.0
96 1,2-Dibromo-3-Chloropropane	75	19.355	19.349	(1.105)	128767	41.7965	41.8
97 1,3,5-Trichlorobenzene	180	19.390	19.384	(1.107)	1101181	50.9867	51.0
98 Hexachlorobutadiene	225	20.320	20.313	(1.160)	387749	44.1529	44.2
99 1,2,4-Trichlorobenzene	180	20.378	20.383	(1.163)	877463	48.2619	48.3
100 1,2,3-Trimethylbenzene	105	17.554	17.559	(1.002)	2791650	54.0427	54.0
101 Naphthalene	128	20.889	20.895	(1.192)	1679265	54.9253	54.9
102 1,2,3-Trichlorobenzene	180	21.180	21.173	(1.209)	766606	49.1560	49.2
103 Methyl Acetate	43	6.224	6.241	(0.615)	872427	53.1193	53.1
104 Methylcyclohexane	83	10.686	10.680	(1.056)	1600949	53.3416	53.3
M 153 Total Alkylbenzenes	100				21418824	350.113	350

QC Flag Legend

R - Spike/Surrogate failed recovery limits.

Data File: \\Target_server\GG\chem\gcms-t.i\T040108.b\T9875.D
Report Date: 02-Apr-2008 10:12

Katahdin Analytical Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcms-t.i
Lab File ID: T9875.D
Lab Smp Id: WG49847-1
Analysis Type: VOA
Quant Type: ISTD
Operator: HCG
Method File: \\Target_server\GG\chem\gcms-t.i\T040108.b\T826a80.m
Misc Info: SW846 8260B

Calibration Date: 01-APR-2008
Calibration Time: 11:39
Client Smp ID: WG49847-LCS
Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 4

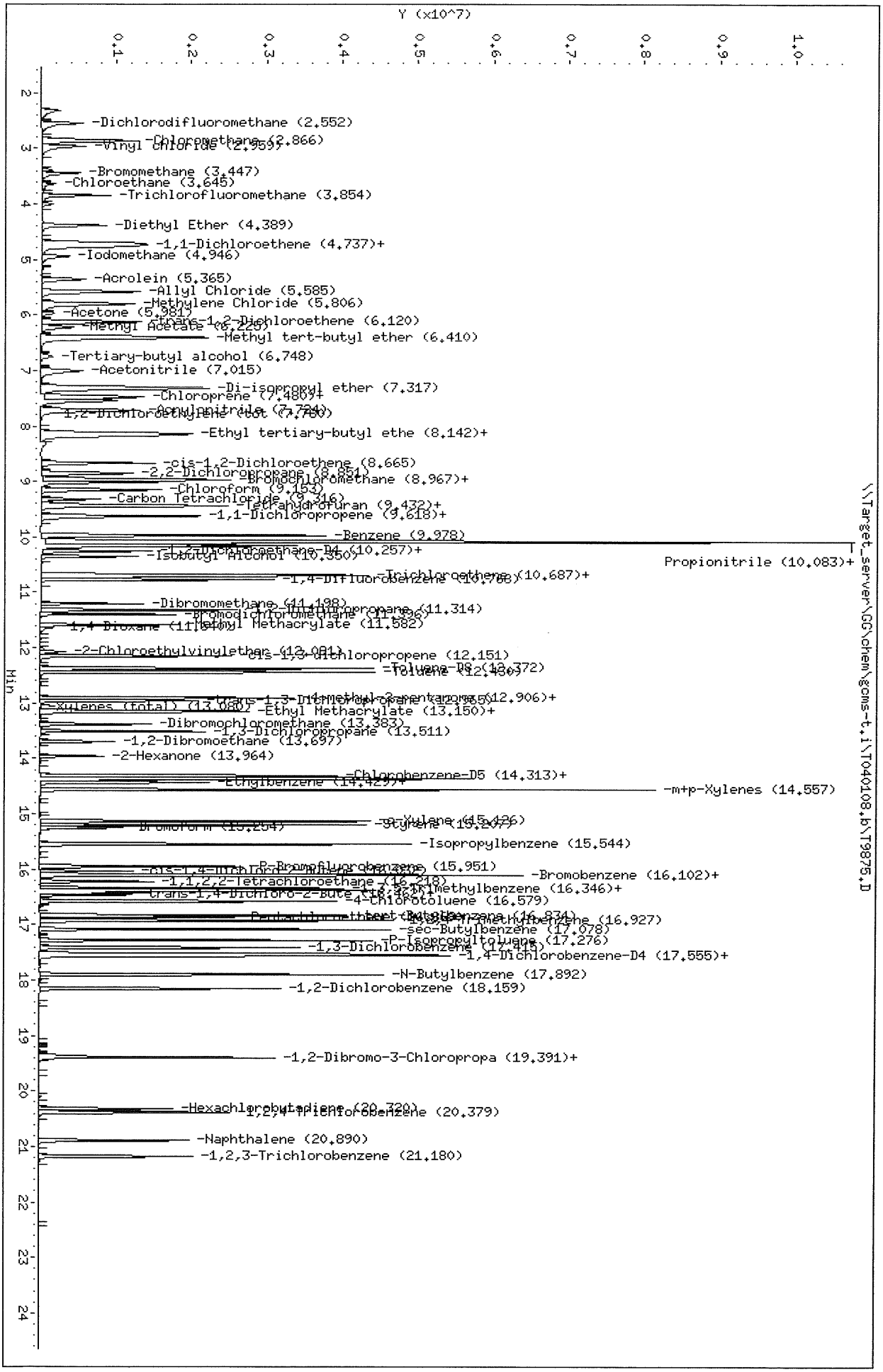
COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	1409194	704597	2818388	1420834	0.83
49 1,4-Difluorobenze	2309084	1154542	4618168	2274343	-1.50
66 Chlorobenzene-D5	1896005	948003	3792010	1850271	-2.41
91 1,4-Dichlorobenze	961550	480775	1923100	938511	-2.40

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	10.12	9.62	10.62	10.12	-0.01
49 1,4-Difluorobenze	10.76	10.26	11.26	10.77	0.10
66 Chlorobenzene-D5	14.33	13.83	14.83	14.34	0.07
91 1,4-Dichlorobenze	17.51	17.01	18.01	17.52	0.06

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.

Data File: \\Target_server\GC\chem\gcms-t.i\T040108.b\T9875.D
Date : 01-APR-2008 12:56
Client ID: WG49847-LCS
Sample Info: WG49847-1
Purge Volume: 5.0
Column phase: RTX-VMS

Instrument: gcms-t.i
Operator: HCG
Column diameter: 0.18



KATAHDIN ANALYTICAL SERVICES
MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 03/24/08
Received Date: 03/26/08
Extraction Date:
Analysis Date: 03/27/08
Report Date: 04/02/2008
Matrix: WATER

Lab ID: WG49739-3 & WG49739-4
Client ID: DGWMW10120080324MS & DGWMW10120080324MSD
SDG: CTO426-2
Extracted by:
Extraction Method: SW846 5030
Analyst: HCG
Analysis Method: SW846 8260B
Lab Prep Batch: WG49739
Units: ug/l

COMPOUND	MS SPIKE	MSD SPIKE	SAMPLE CONC.	MS CONC.	MSD CONC.	MS %REC.	MSD %REC.	%RPD	%RPD LIMIT	QC. LIMITS
Methyl tert-butyl ether	100	100	0.00	125	119	125	119	5	20	71-140
Benzene	50	50	0.00	59	58	118	116	2	20	71-125
Toluene	50	50	0.00	58	57	115	113	1	20	79-118
Ethylbenzene	50	50	0.00	55	54	110	109	0.7	20	80-115
Xylenes (total)	150	150	0.00	167	166	111	111	0.6	20	85-114
m+p-Xylenes	100	100	0.00	111	110	111	110	0.9	20	87-113
o-Xylene	50	50	0.00	56	56	112	113	0.4	20	80-118
Isopropylbenzene	50	50	0.00	63	64	127	128	0.6	20	87-129
Naphthalene	50	50	0.00	55	56	110	113	2	20	64-121

FORM III VOA-1

T9834.D & T9835.D

Data File: \\Target_server\GG\chem\gcms-t.i\T032708.b\T9834.D
Report Date: 02-Apr-2008 10:44

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gcms-t.i\T032708.b\T9834.D
Lab Smp Id: WG49739-3 Client Smp ID: DGWMW10120080324MS
Inj Date : 27-MAR-2008 18:52 MS Autotune Date: 05-MAR-2008 13:39
Operator : HCG Inst ID: gcms-t.i
Smp Info : WG49739-3
Misc Info : SW846 8260B
Comment :
Method : \\Target_server\GG\chem\gcms-t.i\T032708.b\T826a80.m
Meth Date : 27-Mar-2008 11:37 hgroshong Quant Type: ISTD
Cal Date : 26-MAR-2008 13:56 Cal File: T9813.D
Als bottle: 18 QC Sample: MS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TETRAT426001.sub
Target Version: 4.12
Processing Host: MIS_2

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)
	19 Methyl tert-butyl ether	73	6.404	6.415	(0.633)	3777175	125.197	125
	41 Benzene	78	9.972	9.971	(0.927)	3761985	58.9791	59.0
	57 Toluene	92	12.424	12.435	(1.154)	2269150	57.4909	57.5
	68 Ethylbenzene	106	14.365	14.375	(1.003)	1200086	54.7633	54.8
M	70 Xylenes (total)	106				4377659	167.447	167
	71 m+p-Xylenes	106	14.550	14.561	(1.016)	2929806	111.358	111
	72 o-Xylene	106	15.120	15.131	(1.056)	1447853	56.0886	56.1
	75 Isopropylbenzene	105	15.527	15.537	(0.887)	3682736	63.4561	63.4
	101 Naphthalene	128	20.872	20.895	(1.193)	1580220	55.0379	55.0
$	37 Dibromofluoromethane	113	9.426	9.437	(0.932)	785712	46.5633	46.6
$	45 1,2-Dichloroethane-D4	65	10.169	10.169	(1.006)	727200	45.7909	45.8
$	55 Toluene-D8	98	12.366	12.365	(1.149)	2550902	47.3661	47.4
$	76 P-Bromofluorobenzene	95	15.933	15.944	(1.480)	1031724	47.4075	47.4
*	42 Pentafluorobenzene	168	10.111	10.122	(1.000)	1231226	50.0000	
*	49 1,4-Difluorobenzene	114	10.762	10.761	(1.000)	2135797	50.0000	
*	66 Chlorobenzene-D5	117	14.318	14.329	(1.000)	1769964	50.0000	
*	91 1,4-Dichlorobenzene-D4	152	17.502	17.513	(1.000)	881349	50.0000	

Data File: \\Target_server\GG\chem\gcms-t.i\T032708.b\T9834.D
Report Date: 02-Apr-2008 10:44

Katahdin Analytical Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcms-t.i
Lab File ID: T9834.D
Lab Smp Id: WG49739-3
Analysis Type: VOA
Quant Type: ISTD
Operator: HCG
Method File: \\Target_server\GG\chem\gcms-t.i\T032708.b\T826a80.m
Misc Info: SW846 8260B

Calibration Date: 27-MAR-2008
Calibration Time: 08:55
Client Smp ID: DGWMW1012008032
Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 4

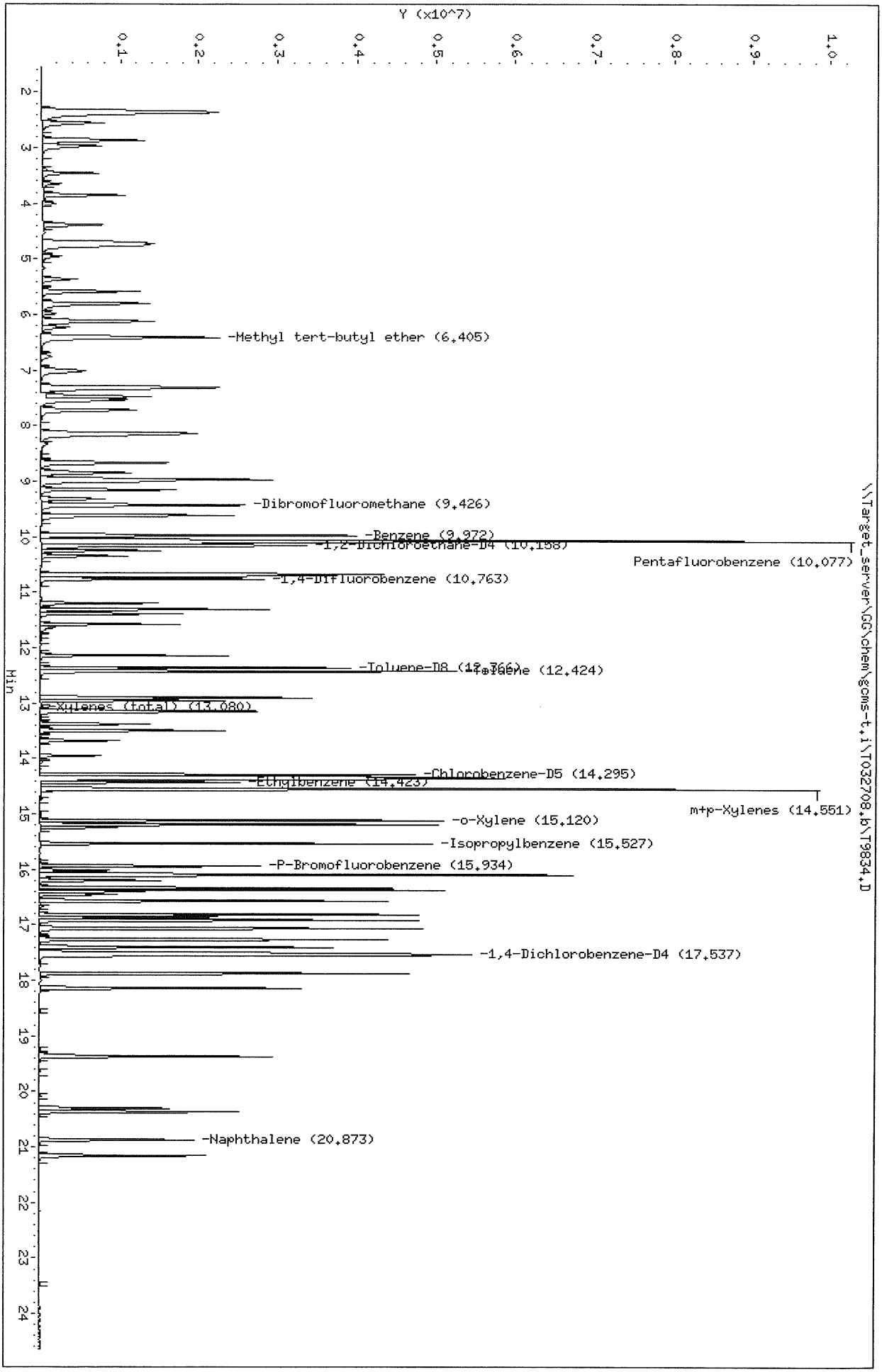
COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	1240417	620209	2480834	1231226	-0.74
49 1,4-Difluorobenze	2035750	1017875	4071500	2135797	4.91
66 Chlorobenzene-D5	1652370	826185	3304740	1769964	7.12
91 1,4-Dichlorobenze	860267	430134	1720534	881349	2.45

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	10.11	9.61	10.61	10.11	0.00
49 1,4-Difluorobenze	10.76	10.26	11.26	10.76	0.00
66 Chlorobenzene-D5	14.32	13.82	14.82	14.32	0.00
91 1,4-Dichlorobenze	17.50	17.00	18.00	17.50	0.00

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.

Data File: \\Target_server\GC\chem\gcms-t.i\T032708.b\T9834.D
Date : 27-MAR-2008 18:52
Client ID: DGWW1012008032 4MS
Sample Info: WG49739-3
Purge Volume: 5.0
Column phase: RTX-VMS

Instrument: gcms-t.i
Operator: HCG
Column diameter: 0.18



Data File: \\Target_server\GG\chem\gcms-t.i\T032708.b\T9835.D
Report Date: 02-Apr-2008 10:44

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gcms-t.i\T032708.b\T9835.D
Lab Smp Id: WG49739-4 Client Smp ID: DGWMW10120080324MSD
Inj Date : 27-MAR-2008 19:24 MS Autotune Date: 05-MAR-2008 13:39
Operator : HCG Inst ID: gcms-t.i
Smp Info : WG49739-4
Misc Info : SW846 8260B
Comment :
Method : \\Target_server\GG\chem\gcms-t.i\T032708.b\T826a80.m
Meth Date : 27-Mar-2008 11:37 hgroshong Quant Type: ISTD
Cal Date : 26-MAR-2008 13:56 Cal File: T9813.D
Als bottle: 19 QC Sample: MSD
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TETRAT426001.sub
Target Version: 4.12
Processing Host: MIS_2

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)
	19 Methyl tert-butyl ether	73	6.404	6.415	(0.633)	3620543	119.120	119
	41 Benzene	78	9.960	9.971	(0.925)	3690377	57.9446	57.9
	57 Toluene	92	12.423	12.435	(1.154)	2233781	56.6810	56.7
	68 Ethylbenzene	106	14.364	14.375	(1.003)	1193240	54.4177	54.4
M	70 Xylenes (total)	106				4347703	166.211	166
	71 m+p-Xylenes	106	14.550	14.561	(1.016)	2893610	109.915	110
	72 o-Xylene	106	15.119	15.131	(1.056)	1454093	56.2960	56.3
	75 Isopropylbenzene	105	15.526	15.537	(0.887)	3675531	63.7647	63.8
	101 Naphthalene	128	20.872	20.895	(1.193)	1608794	56.4160	56.4
$	37 Dibromofluoromethane	113	9.425	9.437	(0.932)	788023	46.3560	46.4
$	45 1,2-Dichloroethane-D4	65	10.157	10.169	(1.005)	720056	45.0068	45.0
$	55 Toluene-D8	98	12.365	12.365	(1.149)	2529734	47.0446	47.0
$	76 P-Bromofluorobenzene	95	15.933	15.944	(1.480)	1038594	47.7959	47.8
*	42 Pentafluorobenzene	168	10.111	10.122	(1.000)	1240370	50.0000	
*	49 1,4-Difluorobenzene	114	10.762	10.761	(1.000)	2132547	50.0000	
*	66 Chlorobenzene-D5	117	14.318	14.329	(1.000)	1771044	50.0000	
*	91 1,4-Dichlorobenzene-D4	152	17.502	17.513	(1.000)	875367	50.0000	

Data File: \\Target_server\GG\chem\gcms-t.i\T032708.b\T9835.D
Report Date: 02-Apr-2008 10:44

Katahdin Analytical Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcms-t.i
Lab File ID: T9835.D
Lab Smp Id: WG49739-4
Analysis Type: VOA
Quant Type: ISTD
Operator: HCG
Method File: \\Target_server\GG\chem\gcms-t.i\T032708.b\T826a80.m
Misc Info: SW846 8260B

Calibration Date: 27-MAR-2008
Calibration Time: 08:55
Client Smp ID: DGWMW1012008032
Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 4

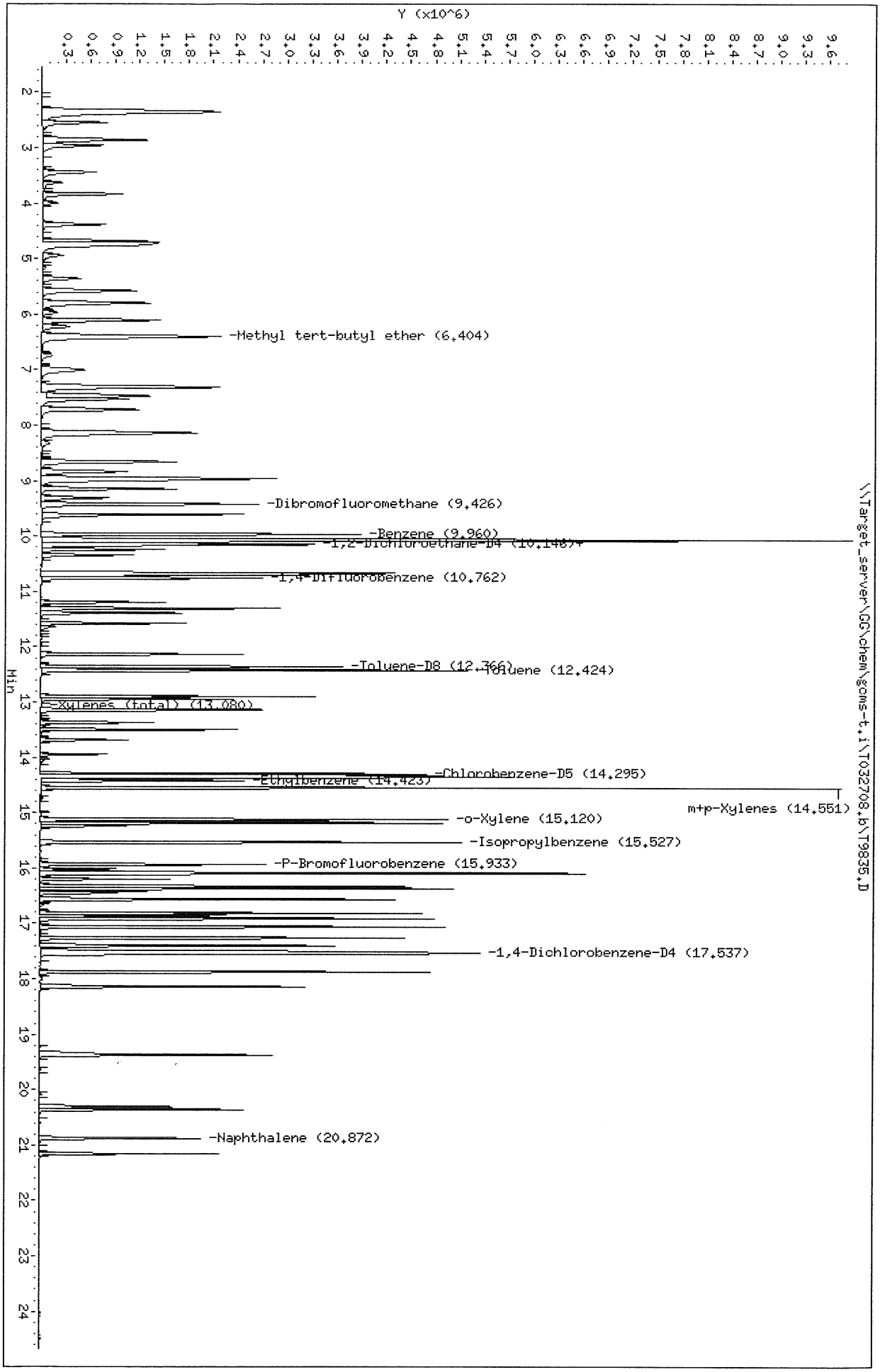
COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	1240417	620209	2480834	1240370	-0.00
49 1,4-Difluorobenze	2035750	1017875	4071500	2132547	4.75
66 Chlorobenzene-D5	1652370	826185	3304740	1771044	7.18
91 1,4-Dichlorobenze	860267	430134	1720534	875367	1.76

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	10.11	9.61	10.61	10.11	-0.00
49 1,4-Difluorobenze	10.76	10.26	11.26	10.76	-0.00
66 Chlorobenzene-D5	14.32	13.82	14.82	14.32	-0.00
91 1,4-Dichlorobenze	17.50	17.00	18.00	17.50	-0.00

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.

Data File: \\Target_server\GC\chem\gcms-t.i\T032708.b\T9835.D
Date : 27-MAR-2008 19:24
Client ID: DGWW10120080324MSD
Sample Info: WG49739-4
Purge Volume: 5.0
Column phase: RTX-VMS

Instrument: gcms-t.i
Operator: HCG
Column diameter: 0.18



Logbooks and Supporting Documents

KATAHDIN ANALYTICAL SERVICES
GCMS-T INSTRUMENT RUNLOG

DATE/TIME OF BFB INJECTION: 032608
Reviewed by/Date:

SAMPLE NAME	DATAFILE	DF	ALS #	METHOD	Y/N	MS/MSD	PH	ANALYST	COMMENTS
50 NG BFB	T8590	—	—	BFB288AQ	Y	—	—	HG	
VSTD050T26A	T9806	1	1	T826A79	N	NA	NA		ccc↑
VSTD050T26B	T9807	1	2	↓	N				ccc↑
VSTD200T26A *	T9808	1	3	T826A80	Y				
VSTD100T26A *	T9809	1	4		Y				
VSTD050T26C *	T9810	1	5		Y				curve good
VSTD020T26A *	T9811	1	6		Y				
VSTD005T26A *	T9812	1	7		Y				
VSTD001T26A *	T9813	1	8		Y				
LCSA	T9814	1	9		Y				
RINSE	T9815	1	10		—	—	—		
↓	T9816	1	11		—	—	—		

SKT 032708

STANDARD	CODE
BFB	V1927
CAL. STD.	V1961
LCS/MS MIX	
EXTRAS MIX	V1938

STANDARD	CODE
IS MIX	V1949
SS MIX	V1950

Circle Methods:

SW846 8260	OLM 04.2
EPA 624	OLM 03.1
EPA 524	OLC 02.1
SIM	OLC 03.2

KATAHDIN ANALYTICAL SERVICES
GCMS-T INSTRUMENT RUNLOG

DATE/TIME OF BFB INJECTION: 3/27/08 08:31
Reviewed by/Date:

SAMPLE NAME	DATAFILE	DF	ALS #	METHOD	Y/N	MS/MSD	PH	ANALYST	COMMENTS
50 NG BFB TB591		—	—	BFB288AQ	Y	—	—	ACG	
VSTD050T27A	T9817	—	1	T826A80	Y	—	—		
LCSA WG49739-1	T9818	—	2		Y	—	—		
BLK A	T9819	—	3		N	—	—		target hits
BLK B	T9820	—	4		N	—	—		↓
BLK C WG49739-2	T9821	—	5		Y	—	—		
SB1520-1A	T9822	1	6		Y	15	pH <2		
SB1333-1 A	T9823	1	7		Y	16	<2		
SB1333-2 A	T9824	1	8		Y	17	<2		
SB1486-1 A	T9825	1	9		Y	18	<2		
SB1520-2 A	T9826	1	10		Y	19	<2		
-3 A	T9827	1	11		Y	20	<2		
-4 A	T9828	1	12		Y	21	<2		
-5 A	T9829	1	13		Y	22	<2		
-6 A	T9830	1	14		Y	23	<2		
-7 A	T9831	1	15		Y	24	<2		
-8 A	T9832	1	16		Y	25	<2		
-9 A	T9833	1	17		Y	26	<2		
-2 MS B	T9834	1	18		Y	MS	<2		WG49739-3
-2 MSD C	T9835	1	19		Y	MSD	<2		WG49739-4
RINSE	T9836	1	20		—	—	—		
↓	T9837	1	21	↓	—	—	—	↓	
									SKT
									ACG 3/28/08

STANDARD	CODE
BFB	V1927
CAL. STD.	V1961
LCS/MS MIX	V1960
EXTRAS MIX	V1938

STANDARD	CODE
IS MIX	V1949
SS MIX	V1950

Circle Methods:

SW846 8260	OLM 04.2
EPA 624	OLM 03.1
EPA 524	OLC 02.1
SIM	OLC 03.2

KATAHDIN ANALYTICAL SERVICES
GCMS-T INSTRUMENT RUNLOG

DATE/TIME OF BFB INJECTION: 3/28/08 09:12
Reviewed by/Date:

SAMPLE NAME	DATAFILE	DF	ALS #	METHOD	Y/N	MS/MSD	PH	ANALYST	COMMENTS
50 NG BFB	TB592	—	—	BFB288AQ	Y	—	—	HG	
VSTD050T28A	T9838	—	1	T826A80	Y	—	—		
LCS HG 1	T9839	—	2		Y	—	—		
2	T9840	—	3		Y	—	—		
3	T9841	—	4		Y	—	—		
4 WG44763-1	T9842	—	5		Y	—	—		
BLKA	T9843	—	6		N	—	—		target limits
BLKB WG44763-2	T9844	—	7		Y	—	—		
SB1567-1 A	T9845	1	8		Y	1	<2		
-2 C	T9846	1	9		Y	2	<2		
-3 C	T9847	1	10		Y	3	<2		
-4 C	T9848	1	11		Y	4	<2		
-5 C	T9849	1	12		Y	5	<2		
-6 C	T9850	1	13		Y	6	<2		
-7 C	T9851	1	14		Y	7	<2		
-8 C	T9852	1	15		Y	8	<2		
-9 C	T9853	1	16		Y	9	<2		
-10 C	T9854	1	17		Y	10	<2		
-11 C	T9855	1	18		Y	11	<2		
-12 C	T9856	1	19		Y	12	<2		
-13 C	T9857	1	20		Y	13	<2		20:35 ✓
RINSE	T9858	1	21		—	—	—		
	T9859	1	22		—	—	—		
	T9860	1	23		—	—	—		
VSTD020T28A	T9861	1	24	T624A608	Y	—	—	SKT	PCE+Carbon Tetra 4 ✓ Sample
LCSA WG49802-1	T9862	1	25		Y	—	—		
VBLKA	T9863	1	26		N	—	—		20µl AF target sample
VBLKB WG49802-2	T9864	1	27		Y	—	—		

STANDARD	CODE
BFB V1927	
CAL. STD. V1961	
LCS/MS MIX V1960	
EXTRAS MIX V1938	

STANDARD	CODE
IS MIX V1949	
SS MIX V1950	

Circle Methods:

SW846 8260	OLM 04.2
EPA 624	OLM 03.1
EPA 524	OLC 02.1
SIM	OLC 03.2

KATAHDIN ANALYTICAL SERVICES
GCMS-T INSTRUMENT RUNLOG

DATE/TIME OF BFB INJECTION: 040108 11:15
Reviewed by/Date:

SAMPLE NAME	DATAFILE	DF	ALS #	METHOD	Y/N	MS/MSD	PH	ANALYST	COMMENTS
RINSE	T9873	1	1	T826A80	—	—	—	SLT	
50NG BFB	TB594	—	—	BFB288AQ	Y	—	—	HCG	
VSTD050T01A	T9874	1	2	T826A80	Y	—	—		
LCSA WG49847-1	T9875	1	3		Y	—	—		
BLKA	T9876	1	4		N	—	—		
BLK B WG49847-2	T9877	1	5		Y	—	—		target hits
TCLP BLK 033108	T9878	1	6		Y	—	—		
SB1568-1 A	T9879	1	7		Y	14	<2		
SB1564-1 DL	T9880	20	8		Y	15	NA		2ml sample + 38ml DI
SB1494-2 DL	T9881	20	9		Y	16	NA		
SB1494-4 DL	T9882	20	10		Y	17	NA		
SB1568-2 A	T9883	1	11		Y	18	<2		17:48
RINSE	T9884	1	12		—	—	—		
↓	T9885	1	13		—	—	—		
									HCG 4/2/08

STANDARD	CODE
BFB	V1967
CAL. STD.	V1961
VOCS/MS MIX	~~V1960~~ V1968 HCG E3 4/1/08
EXTRAS MIX	V1938

STANDARD	CODE
IS MIX	V1969
SS MIX	V1970

Circle Methods:

SW846 8260	OLM 04.2
EPA 624	OLM 03.1
EPA 524	OLC 02.1
SIM	OLC 03.2

TOTAL PETROLEUM HYDROCARBON

QC Summary Section

FORM 2
WATER DRO SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 426 NLON SDG No.: CTO426-2

	CLIENT SAMPLE ID	LAB SAMPLE ID	S1 OTP#	S2 #	S3 #	S4 #	S5 #	S6 #	S7 #	S8 #	TOT OUT
01	WG49821-BLANK	WG49821-1	78								0
02	WG49821-LCS	WG49821-2	72								0
03	DGWMW10120080324MS	WG49821-3	74								0
04	DGWMW10120080324MSD	WG49821-4	82								0
05	DGWMW10120080324	SB1520-2	80								0
06	AWDGWMW10220080324	SB1520-3	78								0
07	AWDGWMW10320080325	SB1520-4	78								0
08	AWDGWMW10420080325	SB1520-5	76								0
09	AWDGWMW20120080325	SB1520-6	75								0
10	AWDGWMW1420080325	SB1520-7	75								0
11	AWDGWMW20220080325	SB1520-8	84								0
12	AWDGWMW30420080325	SB1520-9	78								0
13	AWDGWMW30520080325	SB1567-2	75								0
14	WG49860-LCS	WG49860-2	81								0
15	WG49860-LCSD	WG49860-3	83								0
16	AWDGWMW30120080326	SB1567-3	76								0
17	AWDGWMW40120080326	SB1567-4	82								0
18	AWDGWMW30220080326	SB1567-5	79								0
19	AWDGWMW30320080326	SB1567-6	78								0
20	AWDGWMW40220080326	SB1567-7	81								0
21	AWD-GW-DUP2	SB1567-8	74								0
22	AWDGWMW40320080327	SB1567-9	86								0
23	AWD-GW-DUP1	SB1567-10	80								0
24	AWDSWSW120080327	SB1567-11	81								0
25	AWD-SW-DUP1	SB1567-12	80								0
26	AWDGWMW40420080327	SB1567-13	74								0
27	AWDSWPZ203A20080327	SB1568-2	73								0
28	WG49860-BLANK	WG49860-1RA	76								0

S1 (OTP) = O-Terphenyl QC LIMITS (46-116)

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

FORM 4
SEMIVOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE ID

WG49821-BLANK

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 426 NLON SDG No.: CTO426-2

Lab File ID: ABD1133 Lab Sample ID: WG49821-1

Instrument ID: GC10 Date Extracted: 03/31/08

Matrix: (soil/water) WATER Date Analyzed: 04/09/08

Level:(low/med) LOW Time Analyzed: 1710

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	WG49821-LCS	WG49821-2	ABD1134	04/09/08	1747
02	DGWMW10120080324MS	WG49821-3	ABD1135	04/09/08	1826
03	DGWMW10120080324MSD	WG49821-4	ABD1136	04/09/08	1905
04	DGWMW10120080324	SB1520-2	ABD1137	04/09/08	1943
05	AWDGWMW10220080324	SB1520-3	ABD1138	04/09/08	2022
06	AWDGWMW10320080325	SB1520-4	ABD1142	04/09/08	2257
07	AWDGWMW10420080325	SB1520-5	ABD1143	04/09/08	2336
08	AWDGWMW20120080325	SB1520-6	ABD1144	04/10/08	0014
09	AWDGWMW1420080325	SB1520-7	ABD1145	04/10/08	0053
10	AWDGWMW20220080325	SB1520-8	ABD1146	04/10/08	0132
11	AWDGWMW30420080325	SB1520-9	ABD1147	04/10/08	0211
12	AWDGWMW30520080325	SB1567-2	ABD1148	04/10/08	0250
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
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25					
26					
27					
28					
29					
30					

COMMENTS:

FORM IVDRO

FORM 4

SEMIVOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE ID

WG49860-BLANK

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 426 NLON SDG No.: CTO426-2

Lab File ID: ABD1213 Lab Sample ID: WG49860-1RA

Instrument ID: GC10 Date Extracted: 04/02/08

Matrix: (soil/water) WATER Date Analyzed: 04/14/08

Level:(low/med) LOW Time Analyzed: 1541

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	WG49860-LCS	WG49860-2	ABD1187	04/11/08	1917
02	WG49860-LCSD	WG49860-3	ABD1188	04/11/08	1956
03	AWDGWMW30120080326	SB1567-3	ABD1189	04/11/08	2035
04	AWDGWMW40120080326	SB1567-4	ABD1190	04/11/08	2114
05	AWDGWMW30220080326	SB1567-5	ABD1194	04/11/08	2349
06	AWDGWMW30320080326	SB1567-6	ABD1195	04/12/08	0027
07	AWDGWMW40220080326	SB1567-7	ABD1196	04/12/08	0106
08	AWD-GW-DUP2	SB1567-8	ABD1197	04/12/08	0145
09	AWDGWMW40320080327	SB1567-9	ABD1198	04/12/08	0224
10	AWD-GW-DUP1	SB1567-10	ABD1199	04/12/08	0302
11	AWDSWSW120080327	SB1567-11	ABD1200	04/12/08	0341
12	AWD-SW-DUP1	SB1567-12	ABD1201	04/12/08	0420
13	AWDGWMW40420080327	SB1567-13	ABD1202	04/12/08	0459
14	AWDSWPZ203A20080327	SB1568-2	ABD1203	04/12/08	0537
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
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26					
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28					
29					
30					

COMMENTS:

FORM IVDRO

FORM 8
DRO ANALYTICAL SEQUENCE

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 426 NLON SDG No.: CTO426-2

GC Column: ZB-1 ID: 0.53 (mm) Init. Calib. Date(s): 04/08/08 04/08/08

Instrument ID: GC10

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION
S1 : 12.56

	CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	S1 RT #	RT #
01		PHC 50UG/ML	04/08/08	1420	12.56	
02		PHC 200UG/ML	04/08/08	1458	12.57	
03		PHC 100UG/ML	04/08/08	1535	12.56	
04		PHC 20UG/ML	04/08/08	1613	12.56	
05		PHC 5UG/ML	04/08/08	1651	12.55	
06		PHC IND	04/08/08	1729		
07		PHC 20UG/ML	04/09/08	1302	12.56	
08	WG49821-BLAN	WG49821-1	04/09/08	1710	12.56	
09	WG49821-LCS	WG49821-2	04/09/08	1747	12.56	
10	DGWMW1012008	WG49821-3	04/09/08	1826	12.56	
11	DGWMW1012008	WG49821-4	04/09/08	1905	12.56	
12	DGWMW1012008	SB1520-2	04/09/08	1943	12.55	
13	AWDGWMW10220	SB1520-3	04/09/08	2022	12.55	
14		PHC 50UG/ML	04/09/08	2218	12.56	
15	AWDGWMW10320	SB1520-4	04/09/08	2257	12.55	
16	AWDGWMW10420	SB1520-5	04/09/08	2336	12.55	
17	AWDGWMW20120	SB1520-6	04/10/08	0014	12.55	
18	AWDGWMW14200	SB1520-7	04/10/08	0053	12.55	
19	AWDGWMW20220	SB1520-8	04/10/08	0132	12.55	
20	AWDGWMW30420	SB1520-9	04/10/08	0211	12.55	

S1 = O-Terphenyl QC LIMITS (+/- 0.38 MINUTES)

Column used to flag retention time values with an asterisk.
* Values outside of QC limits.

FORM 8
DRO ANALYTICAL SEQUENCE

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 426 NLON SDG No.: CTO426-2

GC Column: ZB-1 ID: 0.53 (mm) Init. Calib. Date(s): 04/08/08 04/08/08

Instrument ID: GC10

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION
S1 : 12.56

	CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	S1 RT #	RT #
01	AWDGWMW30520	SB1567-2	04/10/08	0250	12.55	
02		PHC 20UG/ML	04/10/08	0524	12.55	
03		PHC 20UG/ML	04/11/08	1142	12.56	
04	WG49860-LCS	WG49860-2	04/11/08	1917	12.56	
05	WG49860-LCSD	WG49860-3	04/11/08	1956	12.56	
06	AWDGWMW30120	SB1567-3	04/11/08	2035	12.56	
07	AWDGWMW40120	SB1567-4	04/11/08	2114	12.55	
08		PHC 50UG/ML	04/11/08	2310	12.56	
09	AWDGWMW30220	SB1567-5	04/11/08	2349	12.56	
10	AWDGWMW30320	SB1567-6	04/12/08	0027	12.56	
11	AWDGWMW40220	SB1567-7	04/12/08	0106	12.56	
12	AWD-GW-DUP2	SB1567-8	04/12/08	0145	12.56	
13	AWDGWMW40320	SB1567-9	04/12/08	0224	12.56	
14	AWD-GW-DUP1	SB1567-10	04/12/08	0302	12.56	
15	AWDSWSW12008	SB1567-11	04/12/08	0341	12.56	
16	AWD-SW-DUP1	SB1567-12	04/12/08	0420	12.56	
17	AWDGWMW40420	SB1567-13	04/12/08	0459	12.56	
18	AWDSWPZ203A2	SB1568-2	04/12/08	0537	12.56	
19		PHC 50UG/ML	04/12/08	0812	12.56	
20		PHC 20UG/ML	04/14/08	1315	12.56	

QC LIMITS
S1 = O-Terphenyl (+/- 0.38 MINUTES)

Column used to flag retention time values with an asterisk.
* Values outside of QC limits.

FORM VIII DRO

FORM 8
DRO ANALYTICAL SEQUENCE

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 426 NLON SDG No.: CTO426-2

GC Column: ZB-1 ID: 0.53 (mm) Init. Calib. Date(s): 04/08/08 04/08/08

Instrument ID: GC10

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION
S1 : 12.56

	CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	S1 RT #	RT #
01	WG49860-BLAN	WG49860-1RA	04/14/08	1541	12.56	
02		PHC 50UG/ML	04/14/08	2325	12.55	
03						
04						
05						
06						
07						
08						
09						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						

QC LIMITS
S1 = O-Terphenyl (+/- 0.38 MINUTES)

Column used to flag retention time values with an asterisk.
* Values outside of QC limits.

FORM VIII DRO

Sample Data Section

KATAHDIN ANALYTICAL SERVICES - ORGANIC DATA QUALIFIERS

U Indicates the compound was analyzed for but not detected above the laboratory Practical Quantitation Limit.

* Compound recovery outside of quality control limits.

D Indicates the result was obtained from analysis of a diluted sample. Surrogate recoveries may not be calculable.

E Estimated value. This flag identifies compounds whose concentrations exceed the upper level of the calibration range of the instrument for that specific analysis.

J Estimated value. The analyte was detected in the sample at a concentration less than the laboratory Practical Quantitation Limit (PQL), but above the Method Detection Limit (MDL).

or

J Used for Pesticide/Aroclor analyte when there is a greater than 40% difference for detected concentrations between the two GC columns.

B Indicates the analyte was detected in the laboratory method blank analyzed concurrently with the sample.

N Presumptive evidence of a compound based on a mass spectral library search.

A Indicates that a tentatively identified compound is a suspected aldol-condensation product.

P Used for Pesticide/Aroclor analyte when there is a greater than 25% difference for detected concentrations between the two GC columns. (for CLP methods only).

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
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 03/24/08
Received Date: 03/26/08
Extraction Date: 03/31/08
Analysis Date: 09-APR-2008 19:43
Report Date: 04/17/2008
Matrix: WATER
% Solids: NA

Lab ID: SB1520-2
Client ID: DGWMW10120080324
SDG: CTO426-2
Extracted by: KF
Extraction Method: SW846 3510
Analyst: JLP
Analysis Method: SW846 M8015B
Lab Prep Batch: WG49821
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
	Extractable TPH C9-C36	U	75	1.0	75	75	43
	O-Terphenyl		80%				

Data File: \\target_server\GG\chem\gc10.i\GC10BD09A1.b\ABD1137.d
Report Date: 17-Apr-2008 10:43

Katahdin Analytical Services

Data file : \\target_server\GG\chem\gc10.i\GC10BD09A1.b\ABD1137.d
Lab Smp Id: SB1520-2 Client Smp ID: DGWMW10120080324
Inj Date : 09-APR-2008 19:43
Operator : JLP Inst ID: gc10.i
Smp Info : TPHA021A.M,GC10BD09A1.B,1,SB1520-2
Misc Info : SW846 M8015B
Comment :
Method : \\TARGET_SERVER\GG\chem\gc10.i\GC10BD09A1.B\TPHA021A.m
Meth Date : 17-Apr-2008 10:38 jprescott Quant Type: ESTD
Cal Date : 08-APR-2008 16:51 Cal File: ABD1097a.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: SW8015M-TPH.sub
Subtraction File: \\Target_server\GG\chem\gc10.i\GC10BD09A1.b\ABD1205.d
Target Version: 4.12
Processing Host: V200T2

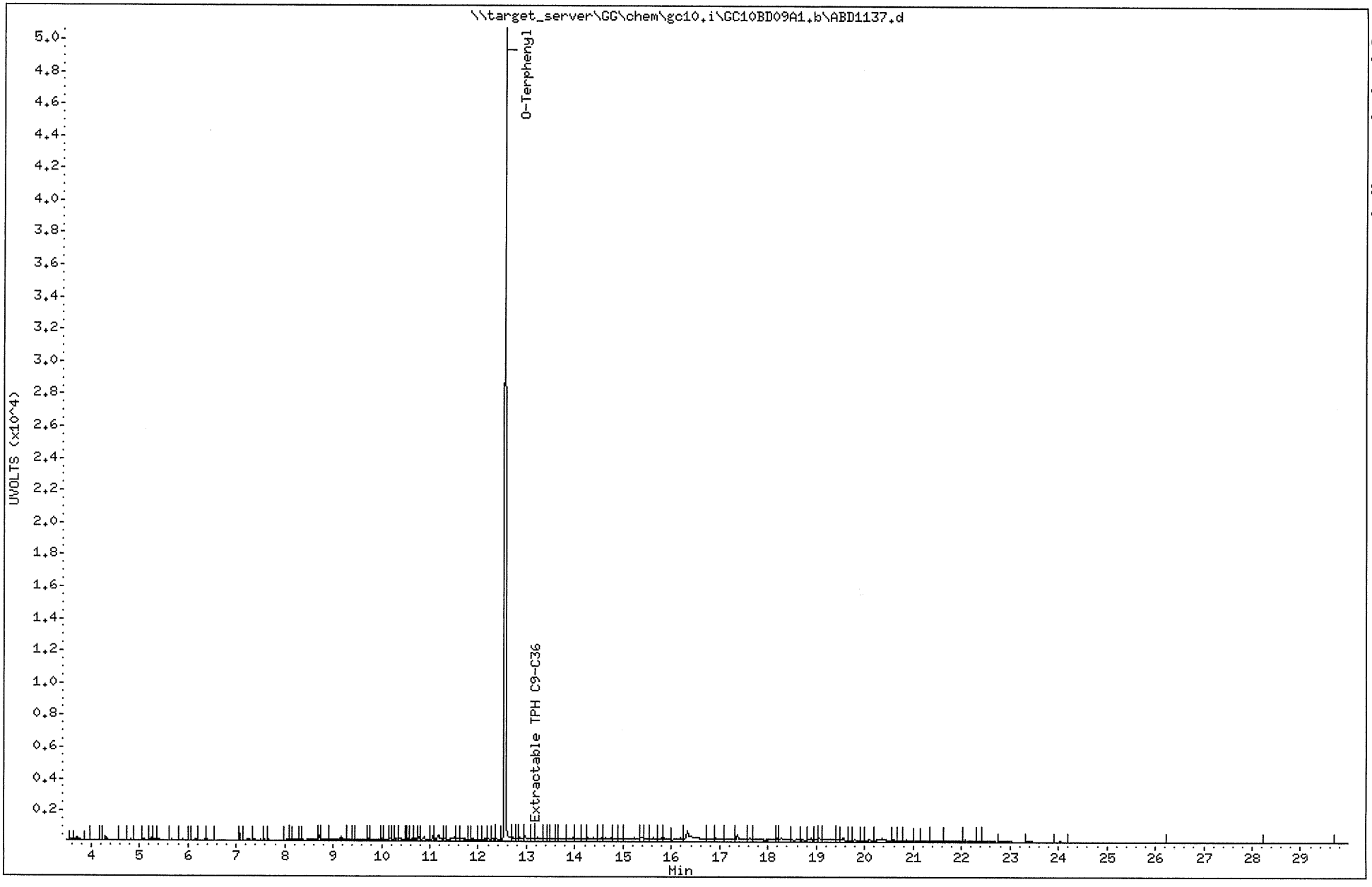
Concentration Formula: Amt * DF * (Vt/Vo)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00100	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)
$ 8 O-Terphenyl	12.553	12.559	-0.006	117527	15.9134	15.2

Data File: \\target_server\GG\chem\gc10.i\GC10BD09A1.b\ABD1137.d
Date : 09-APR-2008 19:43
Client ID: DGWMW10120080324
Sample Info: TPHA021A.M,GC10BD09A1.B,1,SB1520-2
Purge Volume: 1.1
Column phase: ZB-1

Instrument: gc10.i
Operator: JLP
Column diameter: 0.53



Katahdin Analytical Services 2000014

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 03/24/08
Received Date: 03/26/08
Extraction Date: 03/31/08
Analysis Date: 09-APR-2008 20:22
Report Date: 04/17/2008
Matrix: WATER
% Solids: NA

Lab ID: SB1520-3
Client ID: AWDGWMW10220080324
SDG: CTO426-2
Extracted by: KF
Extraction Method: SW846 3510
Analyst: JLP
Analysis Method: SW846 M8015B
Lab Prep Batch: WG49821
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
	Extractable TPH C9-C36		130	1.0	75	75	42
	O-Terphenyl		78%				

Data File: \\target_server\GG\chem\gc10.i\GC10BD09A1.b\ABD1138.d
Report Date: 17-Apr-2008 10:43

Katahdin Analytical Services

Data file : \\target_server\GG\chem\gc10.i\GC10BD09A1.b\ABD1138.d
Lab Smp Id: SB1520-3 Client Smp ID: AWDGWMW10220080324
Inj Date : 09-APR-2008 20:22
Operator : JLP Inst ID: gc10.i
Smp Info : TPHA021A.M,GC10BD09A1.B,1,SB1520-3
Misc Info : SW846 M8015B
Comment :
Method : \\TARGET_SERVER\GG\chem\gc10.i\GC10BD09A1.B\TPHA021A.m
Meth Date : 17-Apr-2008 10:38 jprescott Quant Type: ESTD
Cal Date : 08-APR-2008 16:51 Cal File: ABD1097a.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: SW8015M-TPH.sub
Subtraction File: \\Target_server\GG\chem\gc10.i\GC10BD09A1.b\ABD1205.d
Target Version: 4.12
Processing Host: V200T2

Concentration Formula: Amt * DF * (Vt/Vo)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00100	Final Volume (L)
Vo	1.060	Sample Volume (L)
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/L)
$ 8 O-Terphenyl	12.546	12.559	-0.013	115775	15.6703	14.8(M)
S 10 Extractable TPH C9-C36	3.916	-22.493		950244	136.026	128(M)

MZ
JW
041708

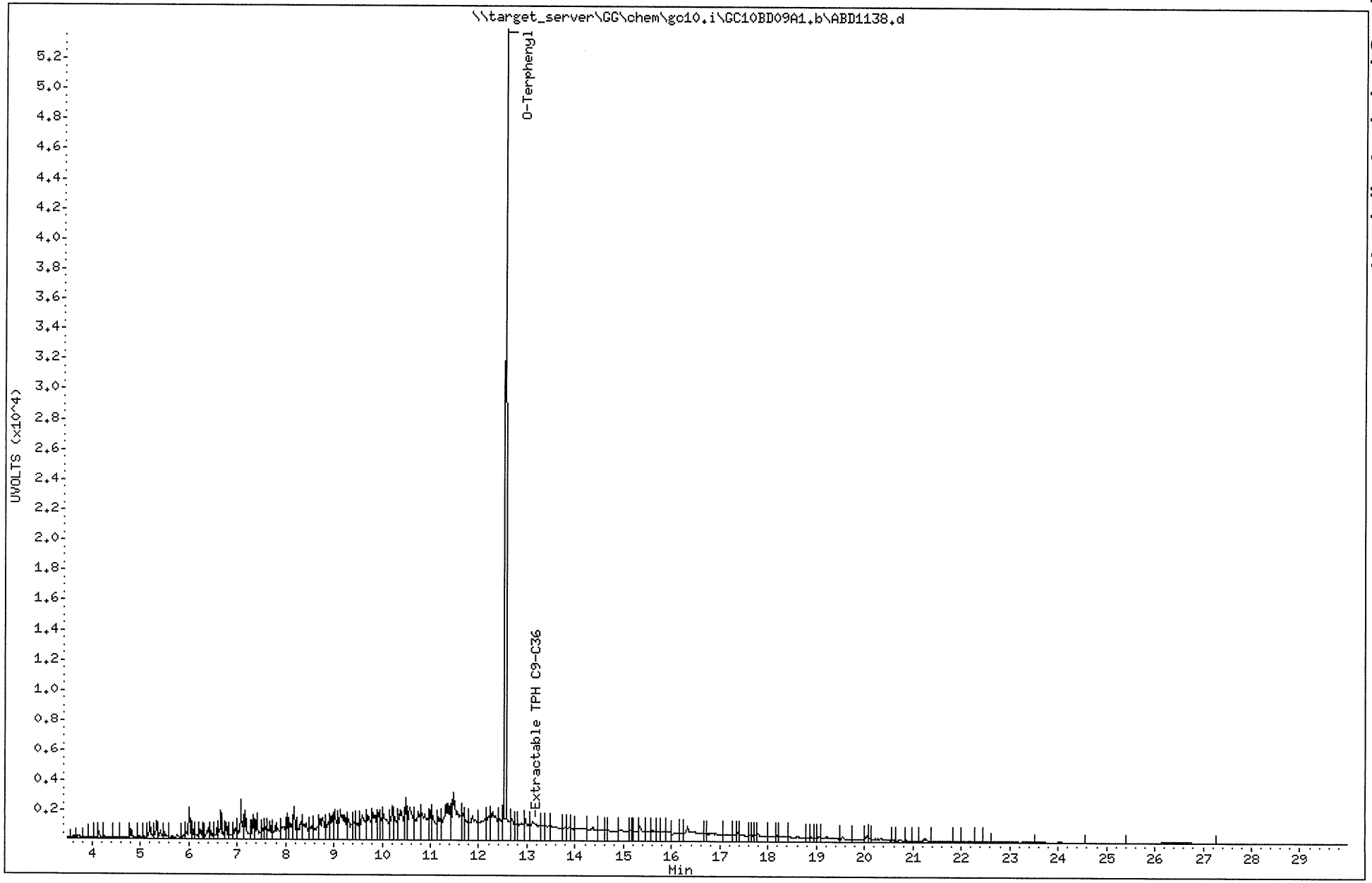
QC Flag Legend

M - Compound response manually integrated.

Data File: \\target_server\GG\chem\gc10.i\GC10BD09A1.b\ABD1138.d
Date : 09-APR-2008 20:22
Client ID: AWDGWMW10220080324
Sample Info: TPHA021A.M,GC10BD09A1.B,1,SB1520-3
Purge Volume: 1.1
Column phase: ZB-1

Instrument: gc10.i

Operator: JLP
Column diameter: 0.53



Katahdin Analytical Services 2000017

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 03/25/08
Received Date: 03/26/08
Extraction Date: 03/31/08
Analysis Date: 09-APR-2008 22:57
Report Date: 04/15/2008
Matrix: WATER
% Solids: NA

Lab ID: SB1520-4
Client ID: AWDGWMW10320080325
SDG: CTO426-2
Extracted by: KF
Extraction Method: SW846 3510
Analyst: JLP
Analysis Method: SW846 M8015B
Lab Prep Batch: WG49821
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
	Extractable TPH C9-C36	U	78	1.0	75	78	47
	O-Terphenyl		78%				

Data File: \\target_server\GG\chem\gc10.i\GC10BD09A1.b\ABD1142.d
Report Date: 15-Apr-2008 13:10

Katahdin Analytical Services

Data file : \\target_server\GG\chem\gc10.i\GC10BD09A1.b\ABD1142.d
Lab Smp Id: SB1520-4 Client Smp ID: AWDGWMW10320080325
Inj Date : 09-APR-2008 22:57
Operator : JLP Inst ID: gc10.i
Smp Info : TPHA021A.M,GC10BD09A1.B,1,SB1520-4
Misc Info : SW846 M8015B
Comment :
Method : \\TARGET_SERVER\GG\chem\gc10.i\GC10BD09A1.B\TPHA021A.m
Meth Date : 14-Apr-2008 10:33 ktanguay Quant Type: ESTD
Cal Date : 08-APR-2008 16:51 Cal File: ABD1097a.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: SW8015M-TPH.sub
Subtraction File: \\Target_server\GG\chem\gc10.i\GC10BD09A1.b\ABD1140.d
Target Version: 4.12
Processing Host: TARGET02

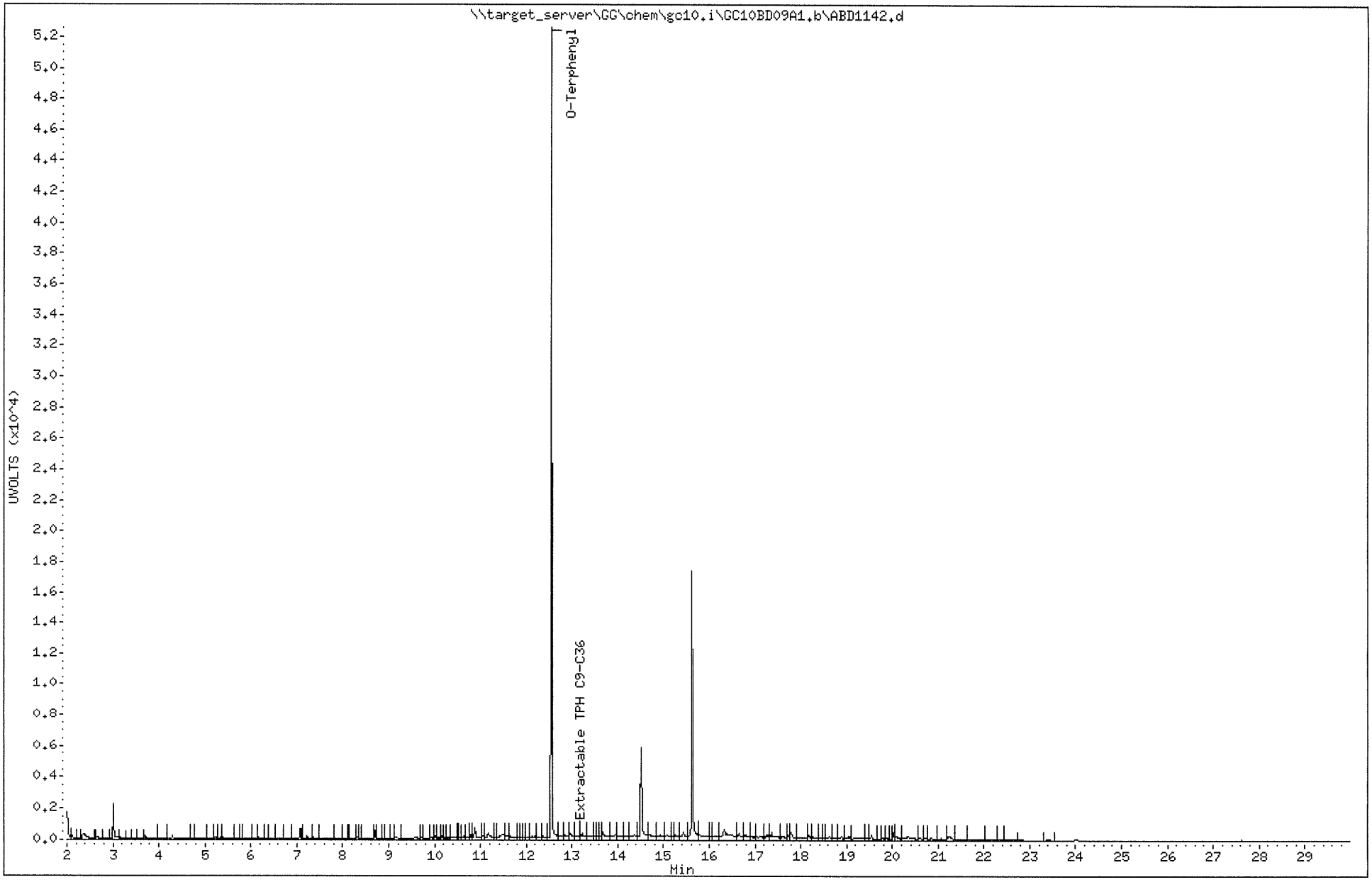
Concentration Formula: Amt * DF * (Vt/Vo)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00100	Final Volume (L)
Vo	0.96000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/L)
$ 8 O-Terphenyl	12.551	12.559	-0.008	115762	15.6685	16.3

Data File: \\target_server\GC\chem\gc10.i\GC10BD09A1.b\ABD1142.d
Date : 09-APR-2008 22:57
Client ID: AWDGWMW10320080325
Sample Info: TPHA021A.M,GC10BD09A1.B,1,SB1520-4
Purge Volume: 1.0
Column phase: ZB-1

Instrument: gc10.i
Operator: JLP
Column diameter: 0.53



Katahdin Analytical Services 2000020

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 03/25/08
Received Date: 03/26/08
Extraction Date: 03/31/08
Analysis Date: 09-APR-2008 23:36
Report Date: 04/15/2008
Matrix: WATER
% Solids: NA

Lab ID: SB1520-5
Client ID: AWDGWMW10420080325
SDG: CTO426-2
Extracted by: KF
Extraction Method: SW846 3510
Analyst: JLP
Analysis Method: SW846 M8015B
Lab Prep Batch: WG49821
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
	Extractable TPH C9-C36	U	75	1.0	75	75	42
	O-Terphenyl		76%				

Data File: \\target_server\GG\chem\gc10.i\GC10BD09A1.b\ABD1143.d
Report Date: 15-Apr-2008 13:10

Katahdin Analytical Services

Data file : \\target_server\GG\chem\gc10.i\GC10BD09A1.b\ABD1143.d
Lab Smp Id: SB1520-5 Client Smp ID: AWDGWMW10420080325
Inj Date : 09-APR-2008 23:36
Operator : JLP Inst ID: gc10.i
Smp Info : TPHA021A.M,GC10BD09A1.B,1,SB1520-5
Misc Info : SW846 M8015B
Comment :
Method : \\TARGET_SERVER\GG\chem\gc10.i\GC10BD09A1.B\TPHA021A.m
Meth Date : 14-Apr-2008 10:33 ktanguay Quant Type: ESTD
Cal Date : 08-APR-2008 16:51 Cal File: ABD1097a.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: SW8015M-TPH.sub
Subtraction File: \\Target_server\GG\chem\gc10.i\GC10BD09A1.b\ABD1140.d
Target Version: 4.12
Processing Host: TARGET02

Concentration Formula: Amt * DF * (Vt/Vo)*1000 * CpndVariable

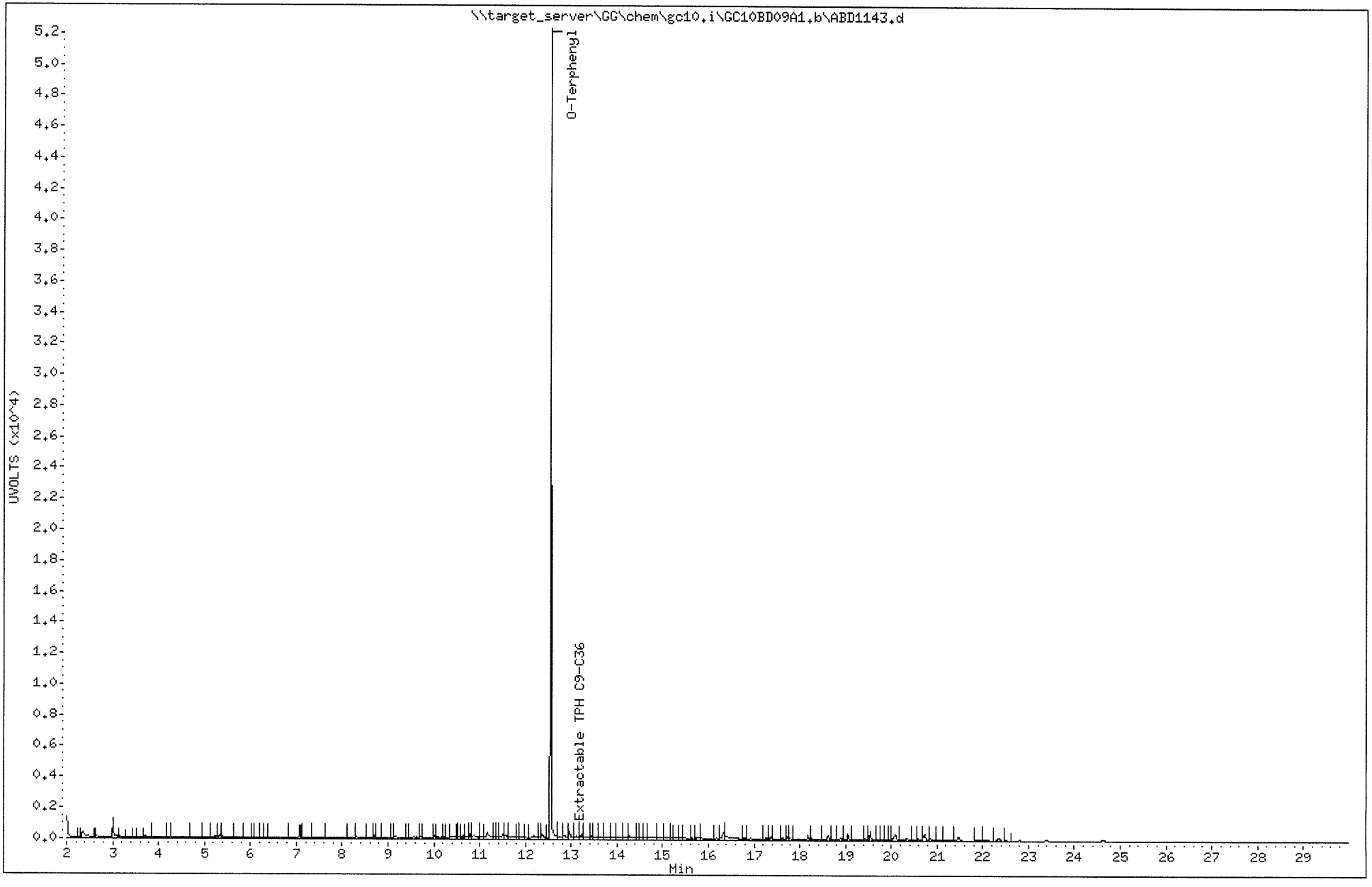
Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00100	Final Volume (L)
Vo	1.060	Sample Volume (L)
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/L)
$ 8 O-Terphenyl	12.550	12.559	-0.009	112328	15.1920	14.3

Data File: \\target_server\GC\chem\gc10.i\GC10BD09A1.b\ABD1143.d
Date : 09-APR-2008 23:36
Client ID: AWDGWMW10420080325
Sample Info: TPHA021A.M,GC10BD09A1.B,1,SB1520-5
Purge Volume: 1.1
Column phase: ZB-1

Instrument: gc10.i

Operator: JLP
Column diameter: 0.53



Katahdin Analytical Services 2000023

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 03/25/08
Received Date: 03/26/08
Extraction Date: 03/31/08
Analysis Date: 10-APR-2008 00:14
Report Date: 04/15/2008
Matrix: WATER
% Solids: NA

Lab ID: SB1520-6
Client ID: AWDGWMW20120080325
SDG: CTO426-2
Extracted by: KF
Extraction Method: SW846 3510
Analyst: JLP
Analysis Method: SW846 M8015B
Lab Prep Batch: WG49821
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
	Extractable TPH C9-C36	U	75	1.0	75	75	45
	O-Terphenyl		75%				

Data File: \\target_server\GG\chem\gc10.i\GC10BD09A1.b\ABD1144.d
Report Date: 15-Apr-2008 13:10

Katahdin Analytical Services

Data file : \\target_server\GG\chem\gc10.i\GC10BD09A1.b\ABD1144.d
Lab Smp Id: SB1520-6 Client Smp ID: AWDGWMW20120080325
Inj Date : 10-APR-2008 00:14
Operator : JLP Inst ID: gc10.i
Smp Info : TPHA021A.M,GC10BD09A1.B,1,SB1520-6
Misc Info : SW846 M8015B
Comment :
Method : \\TARGET_SERVER\GG\chem\gc10.i\GC10BD09A1.B\TPHA021A.m
Meth Date : 14-Apr-2008 10:33 ktanguay Quant Type: ESTD
Cal Date : 08-APR-2008 16:51 Cal File: ABD1097a.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: SW8015M-TPH.sub
Subtraction File: \\Target_server\GG\chem\gc10.i\GC10BD09A1.b\ABD1140.d
Target Version: 4.12
Processing Host: TARGET02

Concentration Formula: Amt * DF * (Vt/Vo)*1000 * CpndVariable

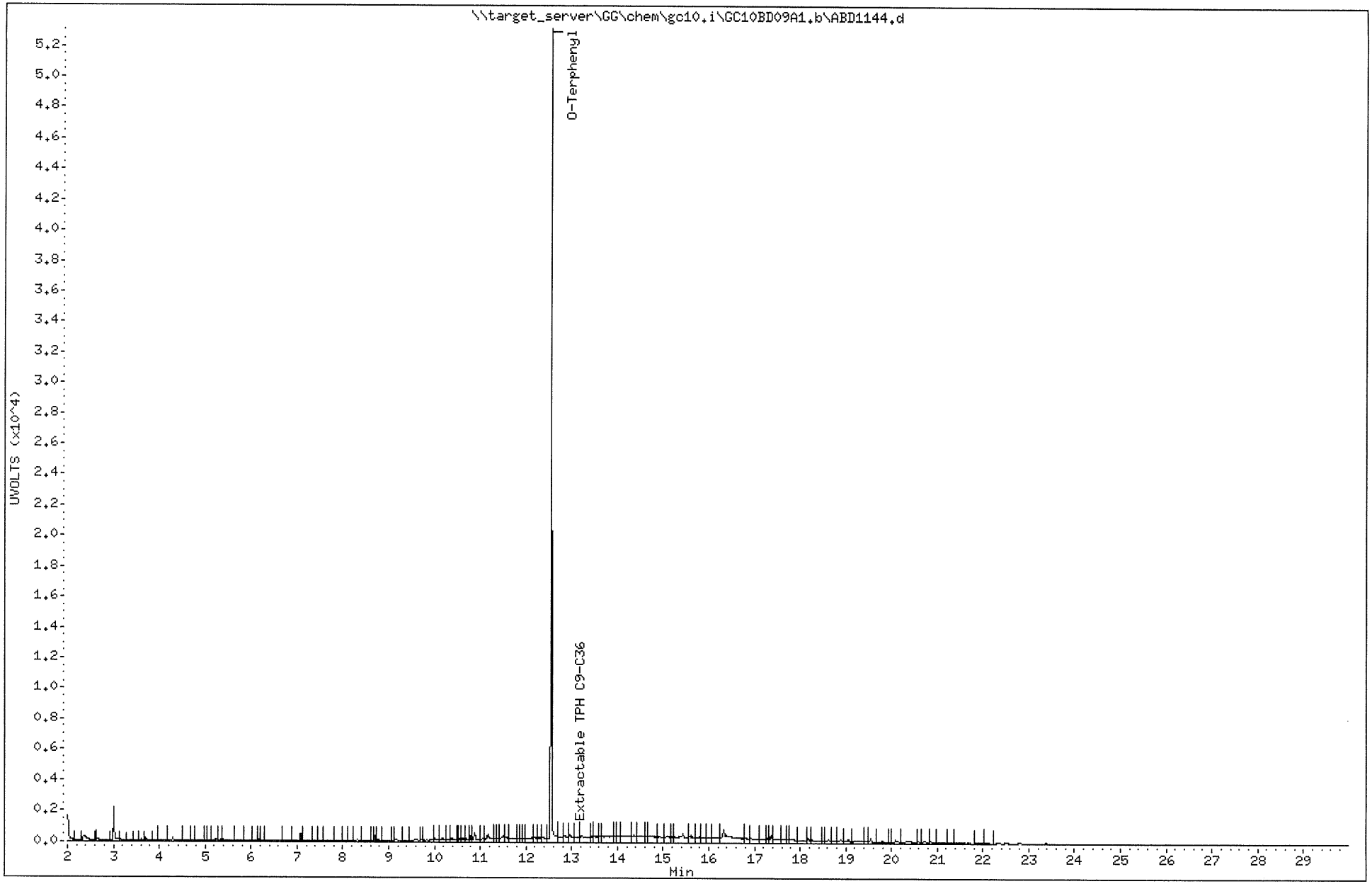
Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00100	Final Volume (L)
Vo	1.000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/L)
$ 8 O-Terphenyl	12.549	12.559	-0.010	111176	15.0322	15.0

Data File: \\target_server\GG\chem\gc10.i\GC10BD09A1.b\ABD1144.d
Date : 10-APR-2008 00:14
Client ID: AWDGWMW20120080325
Sample Info: TPHA021A.M,GC10BD09A1.B,1,SB1520-6
Purge Volume: 1.0
Column phase: ZB-1

Instrument: gc10.i

Operator: JLP
Column diameter: 0.53



Katahdin Analytical Services 2000026

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 03/25/08
Received Date: 03/26/08
Extraction Date: 03/31/08
Analysis Date: 10-APR-2008 00:53
Report Date: 04/15/2008
Matrix: WATER
% Solids: NA

Lab ID: SB1520-7
Client ID: AWDGWMW1420080325
SDG: CTO426-2
Extracted by: KF
Extraction Method: SW846 3510
Analyst: JLP
Analysis Method: SW846 M8015B
Lab Prep Batch: WG49821
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
	Extractable TPH C9-C36		240	1.0	75	75	42
	O-Terphenyl		75%				

Data File: \\target_server\GG\chem\gc10.i\GC10BD09A1.b\ABD1145.d
Report Date: 15-Apr-2008 13:10

Katahdin Analytical Services

Data file : \\target_server\GG\chem\gc10.i\GC10BD09A1.b\ABD1145.d
Lab Smp Id: SB1520-7 Client Smp ID: AWDGWMW1420080325
Inj Date : 10-APR-2008 00:53
Operator : JLP Inst ID: gc10.i
Smp Info : TPHA021A.M,GC10BD09A1.B,1,SB1520-7
Misc Info : SW846 M8015B
Comment :
Method : \\TARGET_SERVER\GG\chem\gc10.i\GC10BD09A1.B\TPHA021A.m
Meth Date : 14-Apr-2008 10:33 ktanguay Quant Type: ESTD
Cal Date : 08-APR-2008 16:51 Cal File: ABD1097a.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: SW8015M-TPH.sub
Subtraction File: \\Target_server\GG\chem\gc10.i\GC10BD09A1.b\ABD1140.d
Target Version: 4.12
Processing Host: TARGET02

Concentration Formula: Amt * DF * (Vt/Vo)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00100	Final Volume (L)
Vo	1.060	Sample Volume (L)
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/L)
$ 8 O-Terphenyl	12.546	12.559	-0.013	111539	15.0826	14.2(M)
S 10 Extractable TPH C9-C36	3.916-22.493			1708467	252.755	238(M)

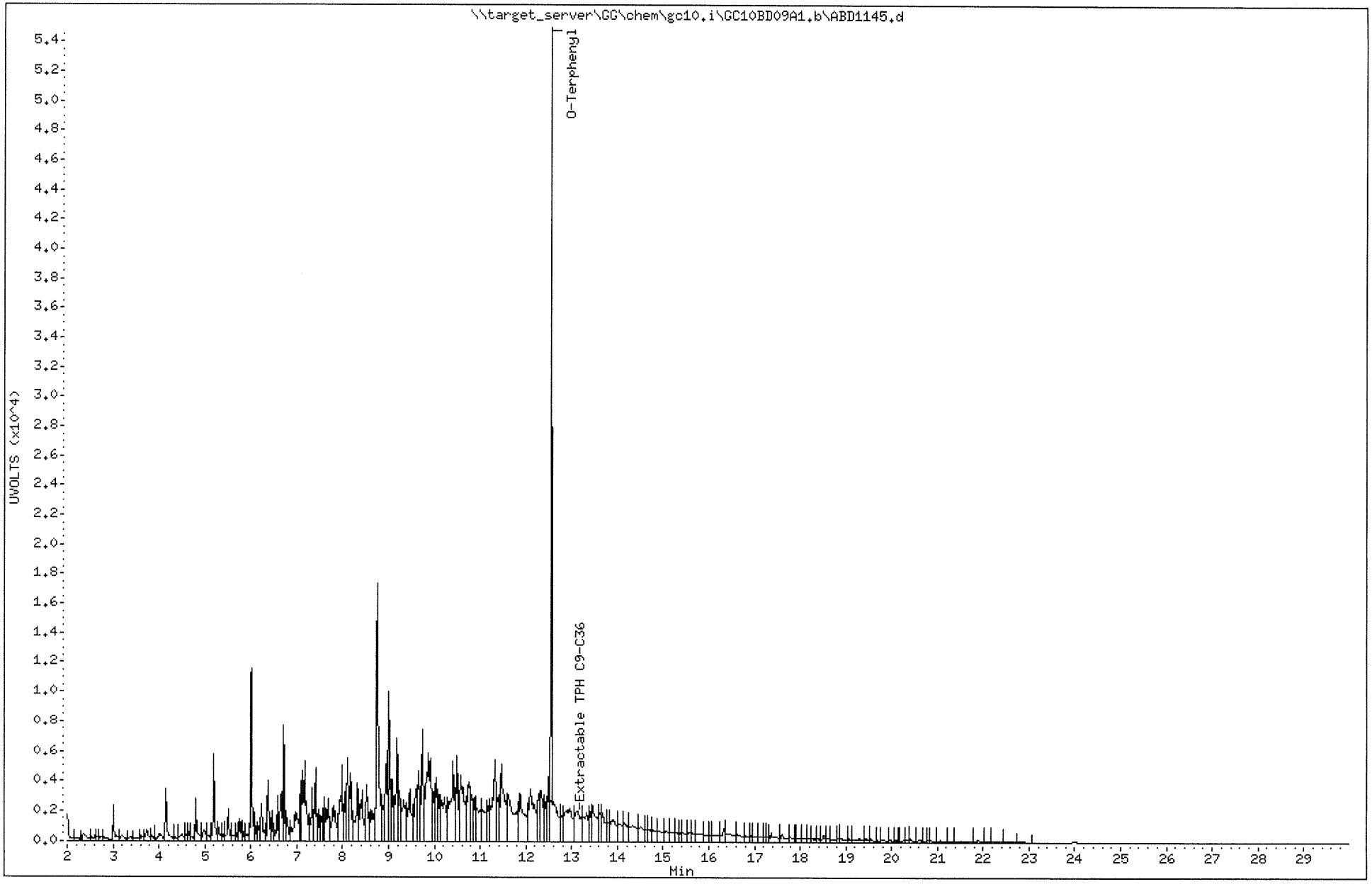
MZ
16
040508

QC Flag Legend

M - Compound response manually integrated.

Data File: \\target_server\GC\chem\gc10.i\GC10BD09A1.b\ABD1145.d
Date : 10-APR-2008 00:53
Client ID: AWDGWMW1420080325
Sample Info: TPHA021A.M,GC10BD09A1.B,1,SB1520-7
Purge Volume: 1.1
Column phase: ZB-1

Instrument: gc10.i
Operator: JLP
Column diameter: 0.53



Katahdin Analytical Services 2000029

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 03/25/08
Received Date: 03/26/08
Extraction Date: 03/31/08
Analysis Date: 10-APR-2008 01:32
Report Date: 04/15/2008
Matrix: WATER
% Solids: NA

Lab ID: SB1520-8
Client ID: AWDGWMW20220080325
SDG: CTO426-2
Extracted by: KF
Extraction Method: SW846 3510
Analyst: JLP
Analysis Method: SW846 M8015B
Lab Prep Batch: WG49821
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
	Extractable TPH C9-C36		390	1.0	75	76	46
	O-Terphenyl		84%				

Data File: \\target_server\GG\chem\gc10.i\GC10BD09A1.b\ABD1146.d
Report Date: 15-Apr-2008 13:10

Katahdin Analytical Services

Data file : \\target_server\GG\chem\gc10.i\GC10BD09A1.b\ABD1146.d
Lab Smp Id: SB1520-8 Client Smp ID: AWDGWMW20220080325
Inj Date : 10-APR-2008 01:32
Operator : JLP Inst ID: gc10.i
Smp Info : TPHA021A.M,GC10BD09A1.B,1,SB1520-8
Misc Info : SW846 M8015B
Comment :
Method : \\TARGET_SERVER\GG\chem\gc10.i\GC10BD09A1.B\TPHA021A.m
Meth Date : 14-Apr-2008 10:33 ktanguay Quant Type: ESTD
Cal Date : 08-APR-2008 16:51 Cal File: ABD1097a.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: SW8015M-TPH.sub
Subtraction File: \\Target_server\GG\chem\gc10.i\GC10BD09A1.b\ABD1140.d
Target Version: 4.12
Processing Host: TARGET02

Concentration Formula: Amt * DF * (Vt/Vo)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00100	Final Volume (L)
Vo	0.98000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/L)
$ 8 O-Terphenyl	12.546	12.559	-0.013	123293	16.7134	17.0(M)
S 10 Extractable TPH C9-C36	3.916	-22.493		2552601	382.711	390(M)

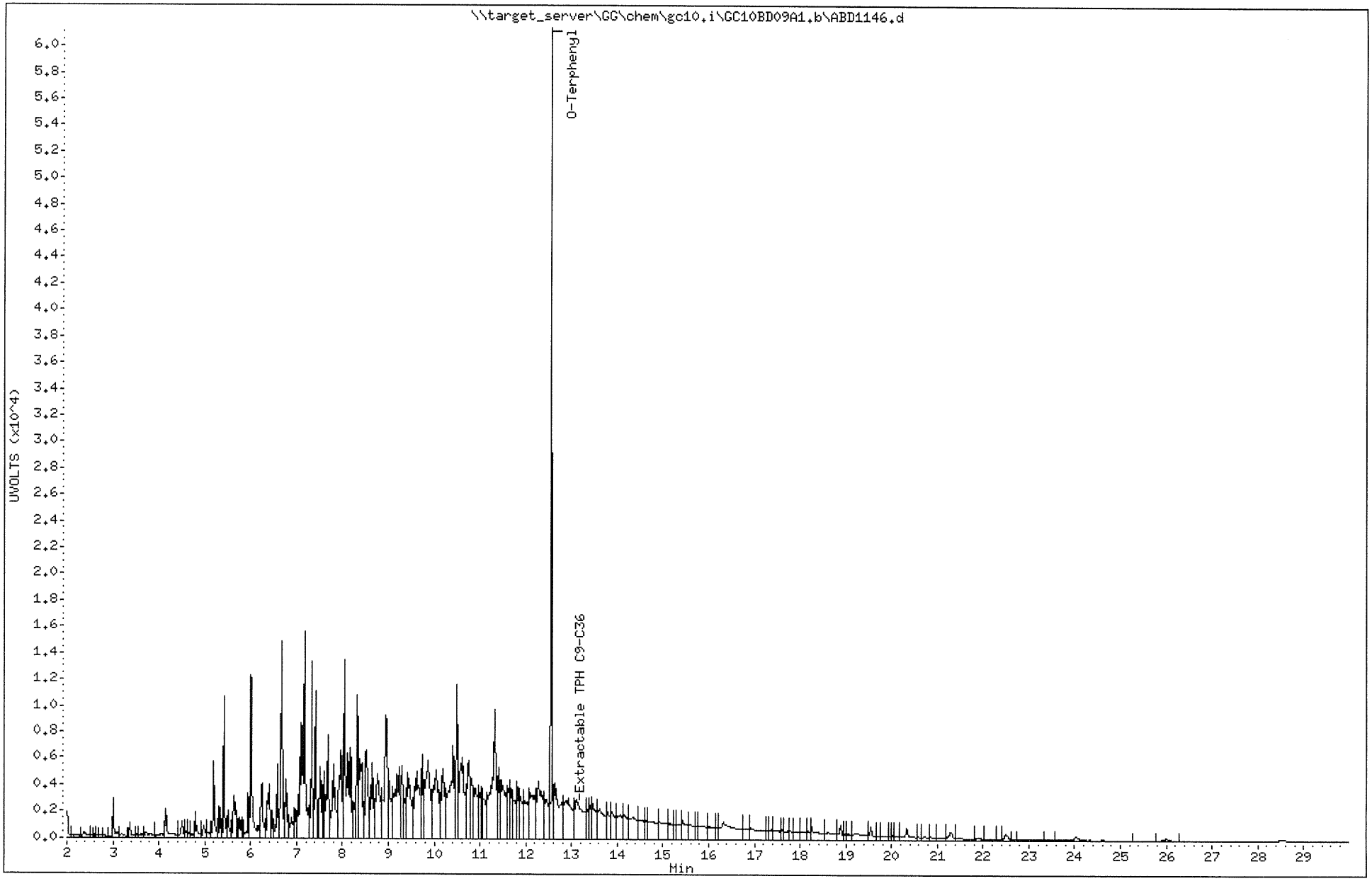
MZ
JP
04/15/08

QC Flag Legend

M - Compound response manually integrated.

Data File: \\target_server\GC\chem\gc10.i\GC10BD09A1.b\ABD1146.d
Date : 10-APR-2008 01:32
Client ID: AWDGWMW20220080325
Sample Info: TPHA021A.M,GC10BD09A1.B,1,SB1520-8
Purge Volume: 1.0
Column phase: ZB-1

Instrument: gc10.i
Operator: JLP
Column diameter: 0.53



Katahdin Analytical Services 2000032

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 03/25/08
Received Date: 03/26/08
Extraction Date: 03/31/08
Analysis Date: 10-APR-2008 02:11
Report Date: 04/15/2008
Matrix: WATER
% Solids: NA

Lab ID: SB1520-9
Client ID: AWDGWMW30420080325
SDG: CTO426-2
Extracted by: KF
Extraction Method: SW846 3510
Analyst: JLP
Analysis Method: SW846 M8015B
Lab Prep Batch: WG49821
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
	Extractable TPH C9-C36		290	1.0	75	75	42
	O-Terphenyl		78%				

Data File: \\target_server\GG\chem\gc10.i\GC10BD09A1.b\ABD1147.d
Report Date: 15-Apr-2008 13:10

Katahdin Analytical Services

Data file : \\target_server\GG\chem\gc10.i\GC10BD09A1.b\ABD1147.d
Lab Smp Id: SB1520-9 Client Smp ID: AWDGWMW30420080325
Inj Date : 10-APR-2008 02:11
Operator : JLP Inst ID: gc10.i
Smp Info : TPHA021A.M,GC10BD09A1.B,1,SB1520-9
Misc Info : SW846 M8015B
Comment :
Method : \\TARGET_SERVER\GG\chem\gc10.i\GC10BD09A1.B\TPHA021A.m
Meth Date : 14-Apr-2008 10:33 ktanguay Quant Type: ESTD
Cal Date : 08-APR-2008 16:51 Cal File: ABD1097a.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: SW8015M-TPH.sub
Subtraction File: \\Target_server\GG\chem\gc10.i\GC10BD09A1.b\ABD1140.d
Target Version: 4.12
Processing Host: TARGET02

Concentration Formula: Amt * DF * (Vt/Vo)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00100	Final Volume (L)
Vo	1.060	Sample Volume (L)
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/L)
$ 8 O-Terphenyl	12.546	12.559	-0.013	115802	15.6740	14.8(M)
S 10 Extractable TPH C9-C36	3.916-22.493			2038561	303.574	286(M)

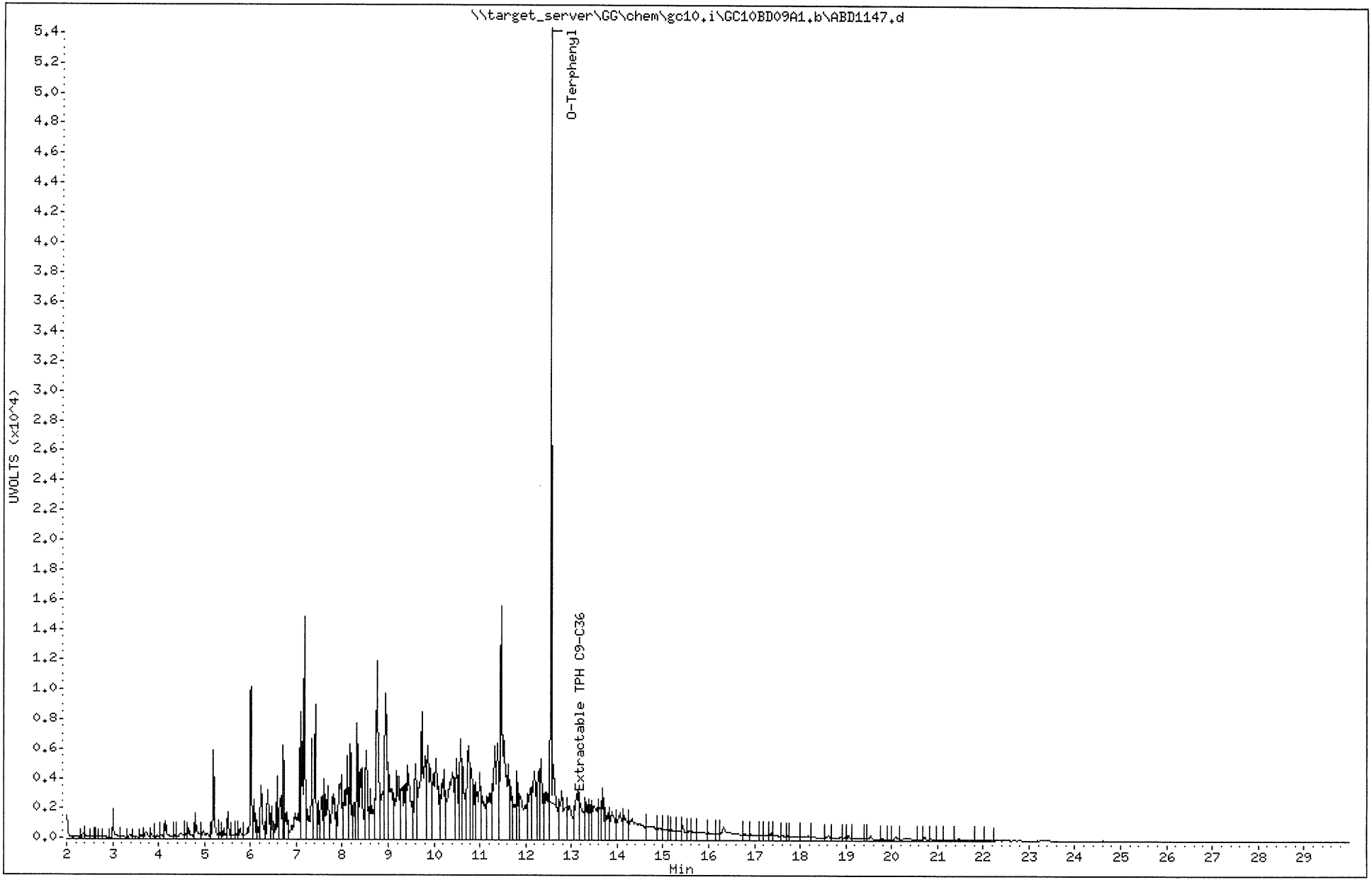
MZ
JLP
041508

QC Flag Legend

M - Compound response manually integrated.

Data File: \\target_server\GC\chem\gc10.i\GC10BD09A1.b\ABD1147.d
Date : 10-APR-2008 02:11
Client ID: AWDGWMW30420080325
Sample Info: TPHA021A.M,GC10BD09A1.B,1,SB1520-9
Purge Volume: 1.1
Column phase: ZB-1

Instrument: gc10.i
Operator: JLP
Column diameter: 0.53



Katahdin Analytical Services 2000035

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 03/25/08
Received Date: 03/28/08
Extraction Date: 03/31/08
Analysis Date: 10-APR-2008 02:50
Report Date: 04/15/2008
Matrix: WATER
% Solids: NA

Lab ID: SB1567-2
Client ID: AWDGWMW30520080325
SDG: CTO426-2
Extracted by: KF
Extraction Method: SW846 3510
Analyst: JLP
Analysis Method: SW846 M8015B
Lab Prep Batch: WG49821
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
	Extractable TPH C9-C36	J	52	1.0	75	75	42
	O-Terphenyl		75%				

Data File: \\target_server\GG\chem\gc10.i\GC10BD09A1.b\ABD1148.d
Report Date: 15-Apr-2008 13:10

Katahdin Analytical Services

Data file : \\target_server\GG\chem\gc10.i\GC10BD09A1.b\ABD1148.d
Lab Smp Id: SB1567-2 Client Smp ID: AWDGWMW30520080325
Inj Date : 10-APR-2008 02:50
Operator : JLP Inst ID: gc10.i
Smp Info : TPHA021A.M,GC10BD09A1.B,1,SB1567-2
Misc Info : SW846 M8015B
Comment :
Method : \\TARGET_SERVER\GG\chem\gc10.i\GC10BD09A1.B\TPHA021A.m
Meth Date : 14-Apr-2008 10:33 ktanguay Quant Type: ESTD
Cal Date : 08-APR-2008 16:51 Cal File: ABD1097a.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: SW8015M-TPH.sub
Subtraction File: \\Target_server\GG\chem\gc10.i\GC10BD09A1.b\ABD1140.d
Target Version: 4.12
Processing Host: TARGET02

Concentration Formula: Amt * DF * (Vt/Vo)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00100	Final Volume (L)
Vo	1.060	Sample Volume (L)
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/L)
$ 8 O-Terphenyl	12.546	12.559	-0.013	111304	15.0500	14.2(M)
S 10 Extractable TPH C9-C36	3.916	-22.493		423640	54.9551	51.8(aM)

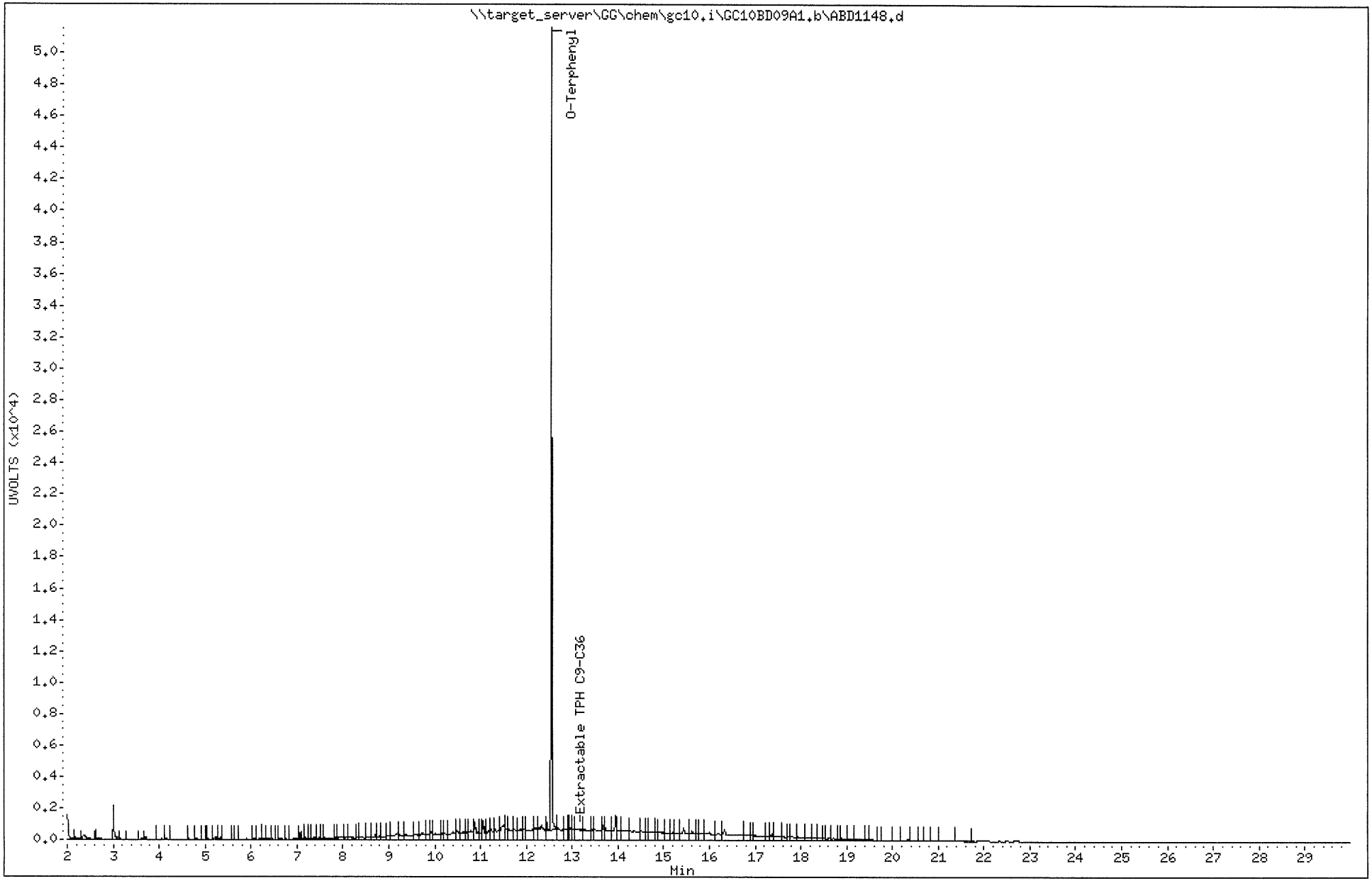
M2
JP
04/08

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
M - Compound response manually integrated.

Data File: \\target_server\GC\chem\gc10.i\GC10BD09A1.b\ABD1148.d
Date : 10-APR-2008 02:50
Client ID: AWDGWMW30520080325
Sample Info: TPHA021A.M,GC10BD09A1.B,1,SB1567-2
Purge Volume: 1.1
Column phase: ZB-1

Instrument: gc10.i
Operator: JLP
Column diameter: 0.53



Katahdin Analytical Services 2000038

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 03/26/08
Received Date: 03/28/08
Extraction Date: 04/02/08
Analysis Date: 11-APR-2008 20:35
Report Date: 04/15/2008
Matrix: WATER
% Solids: NA

Lab ID: SB1567-3
Client ID: AWDGWMW30120080326
SDG: CTO426-2
Extracted by: KF
Extraction Method: SW846 3510
Analyst: KGT
Analysis Method: SW846 M8015B
Lab Prep Batch: WG49860
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
	Extractable TPH C9-C36		89	1.0	75	75	42
	O-Terphenyl		76%				

Data File: \\target_server\GG\chem\gc10.i\GC10BD09A1.b\ABD1189.d
Report Date: 15-Apr-2008 13:10

Katahdin Analytical Services

Data file : \\target_server\GG\chem\gc10.i\GC10BD09A1.b\ABD1189.d
Lab Smp Id: SB1567-3 Client Smp ID: AWDGWMW30120080326
Inj Date : 11-APR-2008 20:35
Operator : KGT Inst ID: gc10.i
Smp Info : TPHA021A.M,GC10BD09A1.B,1,SB1567-3
Misc Info : SW846 M8015B
Comment :
Method : \\TARGET_SERVER\GG\chem\gc10.i\GC10BD09A1.B\TPHA021A.m
Meth Date : 14-Apr-2008 10:33 ktanguay Quant Type: ESTD
Cal Date : 08-APR-2008 16:51 Cal File: ABD1097a.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: SW8015M-TPH.sub
Subtraction File: \\Target_server\GG\chem\gc10.i\GC10BD09A1.b\ABD1178.d
Target Version: 4.12
Processing Host: TARGET02

Concentration Formula: Amt * DF * (Vt/Vo)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00100	Final Volume (L)
Vo	1.060	Sample Volume (L)
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/L)
$ 8 O-Terphenyl	12.560	12.559	0.001	112663	15.2385	14.4(M)
S 10 Extractable TPH C9-C36	3.916-22.493			680055	94.4304	89.1(M)

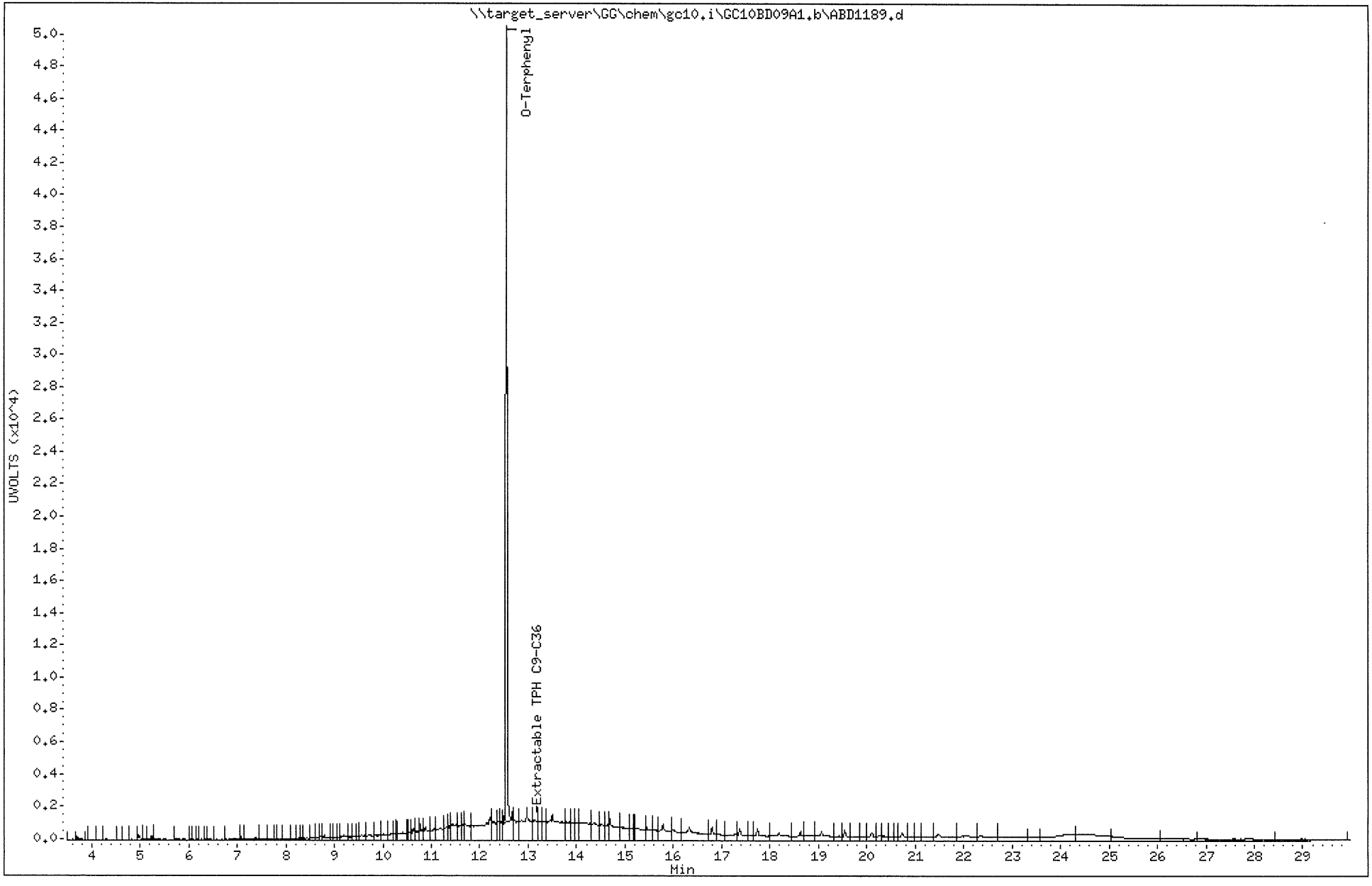
MZ
JP
041508

QC Flag Legend

M - Compound response manually integrated.

Data File: \\target_server\GC\chem\gc10.i\GC10BD09A1.b\ABD1189.d
Date : 11-APR-2008 20:35
Client ID: AWDGWMW30120080326
Sample Info: TPHA021A.M,GC10BD09A1.B,1,SB1567-3
Purge Volume: 1.1
Column phase: ZB-1

Instrument: gc10.i
Operator: KGT
Column diameter: 0.53



Katahdin Analytical Services 2000041

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 03/26/08
Received Date: 03/28/08
Extraction Date: 04/02/08
Analysis Date: 11-APR-2008 21:14
Report Date: 04/15/2008
Matrix: WATER
% Solids: NA

Lab ID: SB1567-4
Client ID: AWDGWMW40120080326
SDG: CTO426-2
Extracted by: KF
Extraction Method: SW846 3510
Analyst: KGT
Analysis Method: SW846 M8015B
Lab Prep Batch: WG49860
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
	Extractable TPH C9-C36	U	75	1.0	75	75	45
	O-Terphenyl		82%				

Data File: \\target_server\GG\chem\gc10.i\GC10BD09A1.b\ABD1190.d
Report Date: 15-Apr-2008 13:10

Katahdin Analytical Services

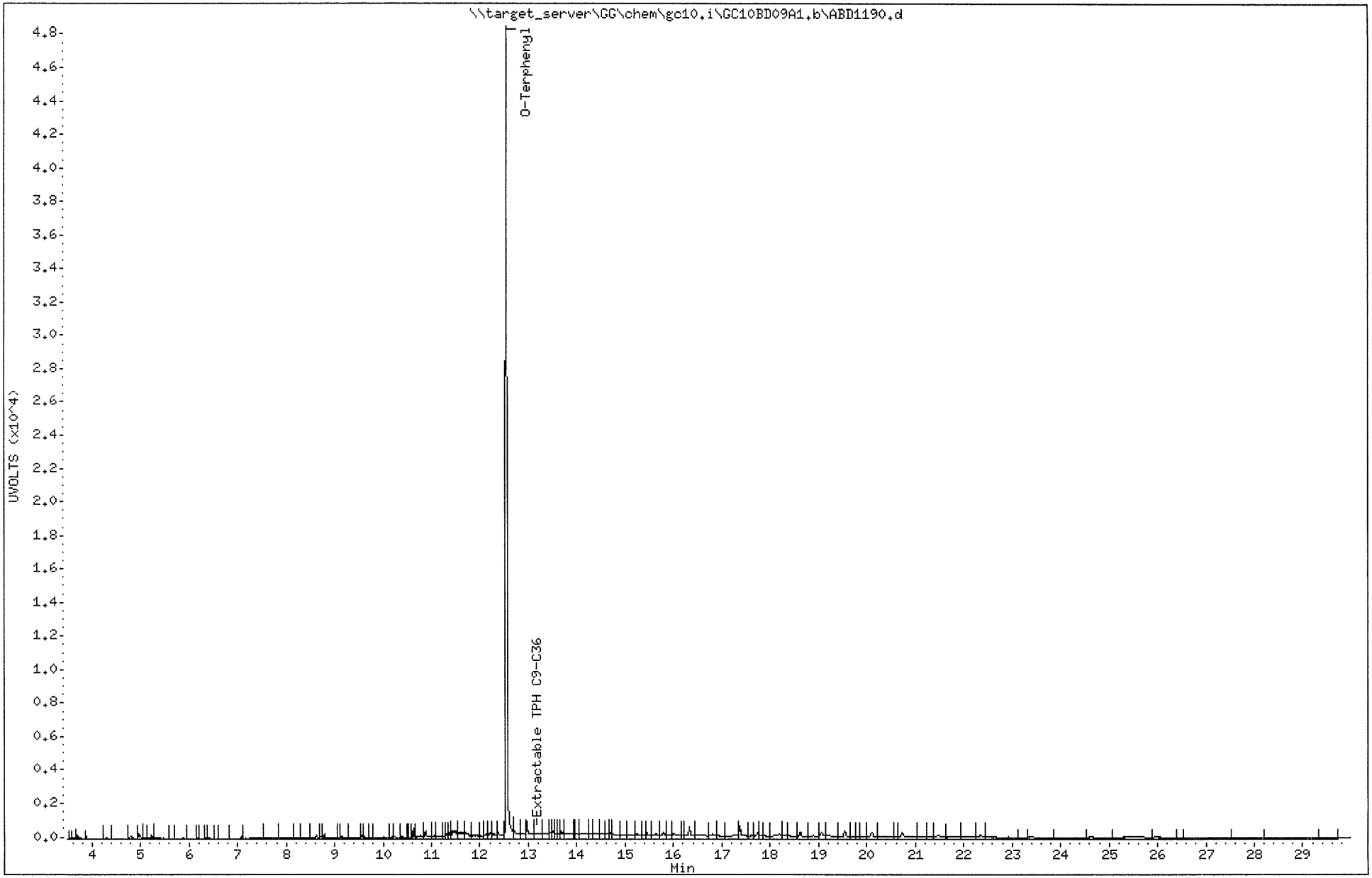
Data file : \\target_server\GG\chem\gc10.i\GC10BD09A1.b\ABD1190.d
Lab Smp Id: SB1567-4 Client Smp ID: AWDGWMW40120080326
Inj Date : 11-APR-2008 21:14
Operator : KGT Inst ID: gc10.i
Smp Info : TPHA021A.M,GC10BD09A1.B,1,SB1567-4
Misc Info : SW846 M8015B
Comment :
Method : \\TARGET_SERVER\GG\chem\gc10.i\GC10BD09A1.B\TPHA021A.m
Meth Date : 14-Apr-2008 10:33 ktanguay Quant Type: ESTD
Cal Date : 08-APR-2008 16:51 Cal File: ABD1097a.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: SW8015M-TPH.sub
Subtraction File: \\Target_server\GG\chem\gc10.i\GC10BD09A1.b\ABD1178.d
Target Version: 4.12
Processing Host: TARGET02

Concentration Formula: Amt * DF * (Vt/Vo)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00100	Final Volume (L)
Vo	1.000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/L)
$ 8 O-Terphenyl	12.553	12.559	-0.006	120894	16.3805	16.4

Data File: \\target_server\GC\chem\gc10.i\GC10BD09A1.b\ABD1190.d
Date : 11-APR-2008 21:14
Client ID: AWDGWMW40120080326
Instrument: gc10.i
Sample Info: TPHA021A.M,GC10BD09A1.B,1,SB1567-4
Purge Volume: 1.0
Operator: KGT
Column phase: ZB-1
Column diameter: 0.53



Katahdin Analytical Services 2000044

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 03/26/08
Received Date: 03/28/08
Extraction Date: 04/02/08
Analysis Date: 11-APR-2008 23:49
Report Date: 04/15/2008
Matrix: WATER
% Solids: NA

Lab ID: SB1567-5
Client ID: AWDGWMW30220080326
SDG: CTO426-2
Extracted by: KF
Extraction Method: SW846 3510
Analyst: KGT
Analysis Method: SW846 M8015B
Lab Prep Batch: WG49860
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
	Extractable TPH C9-C36		110	1.0	75	75	42
	O-Terphenyl		79%				

Data File: \\target_server\GG\chem\gc10.i\GC10BD09A1.b\ABD1194.d
Report Date: 15-Apr-2008 13:10

Katahdin Analytical Services

Data file : \\target_server\GG\chem\gc10.i\GC10BD09A1.b\ABD1194.d
Lab Smp Id: SB1567-5 Client Smp ID: AWDGWMW30220080326
Inj Date : 11-APR-2008 23:49
Operator : KGT Inst ID: gc10.i
Smp Info : TPHA021A.M,GC10BD09A1.B,1,SB1567-5
Misc Info : SW846 M8015B
Comment :
Method : \\TARGET_SERVER\GG\chem\gc10.i\GC10BD09A1.B\TPHA021A.m
Meth Date : 14-Apr-2008 10:33 ktanguay Quant Type: ESTD
Cal Date : 08-APR-2008 16:51 Cal File: ABD1097a.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: SW8015M-TPH.sub
Subtraction File: \\Target_server\GG\chem\gc10.i\GC10BD09A1.b\ABD1178.d
Target Version: 4.12
Processing Host: TARGET02

Concentration Formula: Amt * DF * (Vt/Vo)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00100	Final Volume (L)
Vo	1.060	Sample Volume (L)
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/L)
$ 8 O-Terphenyl	12.560	12.559	0.001	116611	15.7863	14.9(M)
S 10 Extractable TPH C9-C36	3.916-22.493			820227	116.010	109(M)

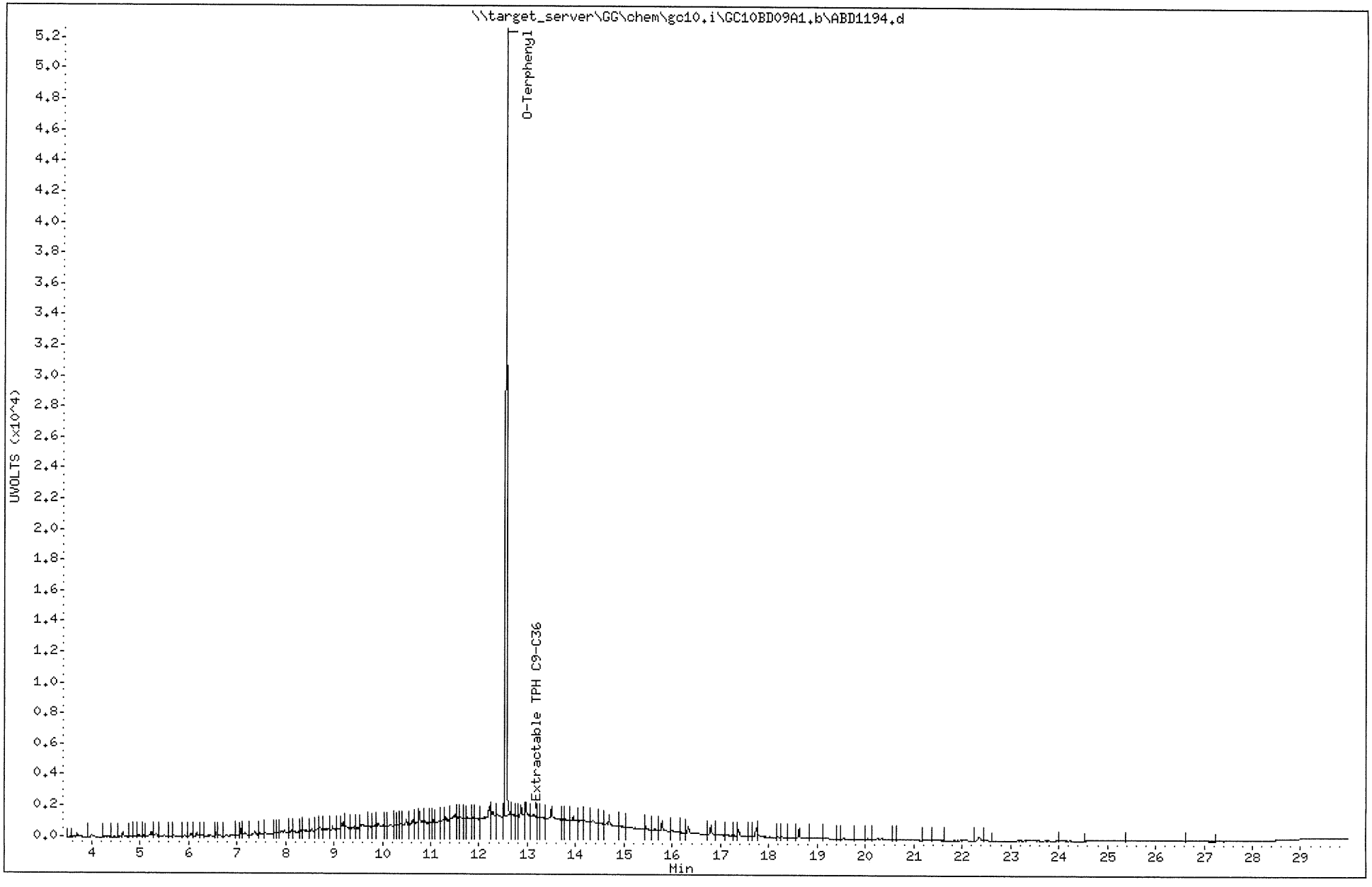
MZ
JF
041508

QC Flag Legend

M - Compound response manually integrated.

Data File: \\target_server\GC\chem\gc10.i\GC10BD09A1.b\ABD1194.d
Date : 11-APR-2008 23:49
Client ID: AWDGWMW30220080326
Sample Info: TPHA021A.M,GC10BD09A1.B,1,SB1567-5
Purge Volume: 1.1
Column phase: ZB-1

Instrument: gc10.i
Operator: KGT
Column diameter: 0.53



Katahdin Analytical Services 2000047

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 03/26/08
Received Date: 03/28/08
Extraction Date: 04/02/08
Analysis Date: 12-APR-2008 00:27
Report Date: 04/15/2008
Matrix: WATER
% Solids: NA

Lab ID: SB1567-6
Client ID: AWDGWMW30320080326
SDG: CTO426-2
Extracted by: KF
Extraction Method: SW846 3510
Analyst: KGT
Analysis Method: SW846 M8015B
Lab Prep Batch: WG49860
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
	Extractable TPH C9-C36		1700	1.0	75	75	42
	O-Terphenyl		78%				

Data File: \\target_server\GG\chem\gc10.i\GC10BD09A1.b\ABD1195.d
Report Date: 15-Apr-2008 13:10

Katahdin Analytical Services

Data file : \\target_server\GG\chem\gc10.i\GC10BD09A1.b\ABD1195.d
Lab Smp Id: SB1567-6 Client Smp ID: AWDGWMW30320080326
Inj Date : 12-APR-2008 00:27
Operator : KGT Inst ID: gc10.i
Smp Info : TPHA021A.M,GC10BD09A1.B,1,SB1567-6
Misc Info : SW846 M8015B
Comment :
Method : \\TARGET_SERVER\GG\chem\gc10.i\GC10BD09A1.B\TPHA021A.m
Meth Date : 14-Apr-2008 10:33 ktanguay Quant Type: ESTD
Cal Date : 08-APR-2008 16:51 Cal File: ABD1097a.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: SW8015M-TPH.sub
Subtraction File: \\Target_server\GG\chem\gc10.i\GC10BD09A1.b\ABD1178.d
Target Version: 4.12
Processing Host: TARGET02

Concentration Formula: Amt * DF * (Vt/Vo)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00100	Final Volume (L)
Vo	1.060	Sample Volume (L)
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/L)
$ 8 O-Terphenyl	12.560	12.559	0.001	115677	15.6567	14.8(M)
S 10 Extractable TPH C9-C36	3.916-22.493			11636253	1781.15	1680(M)

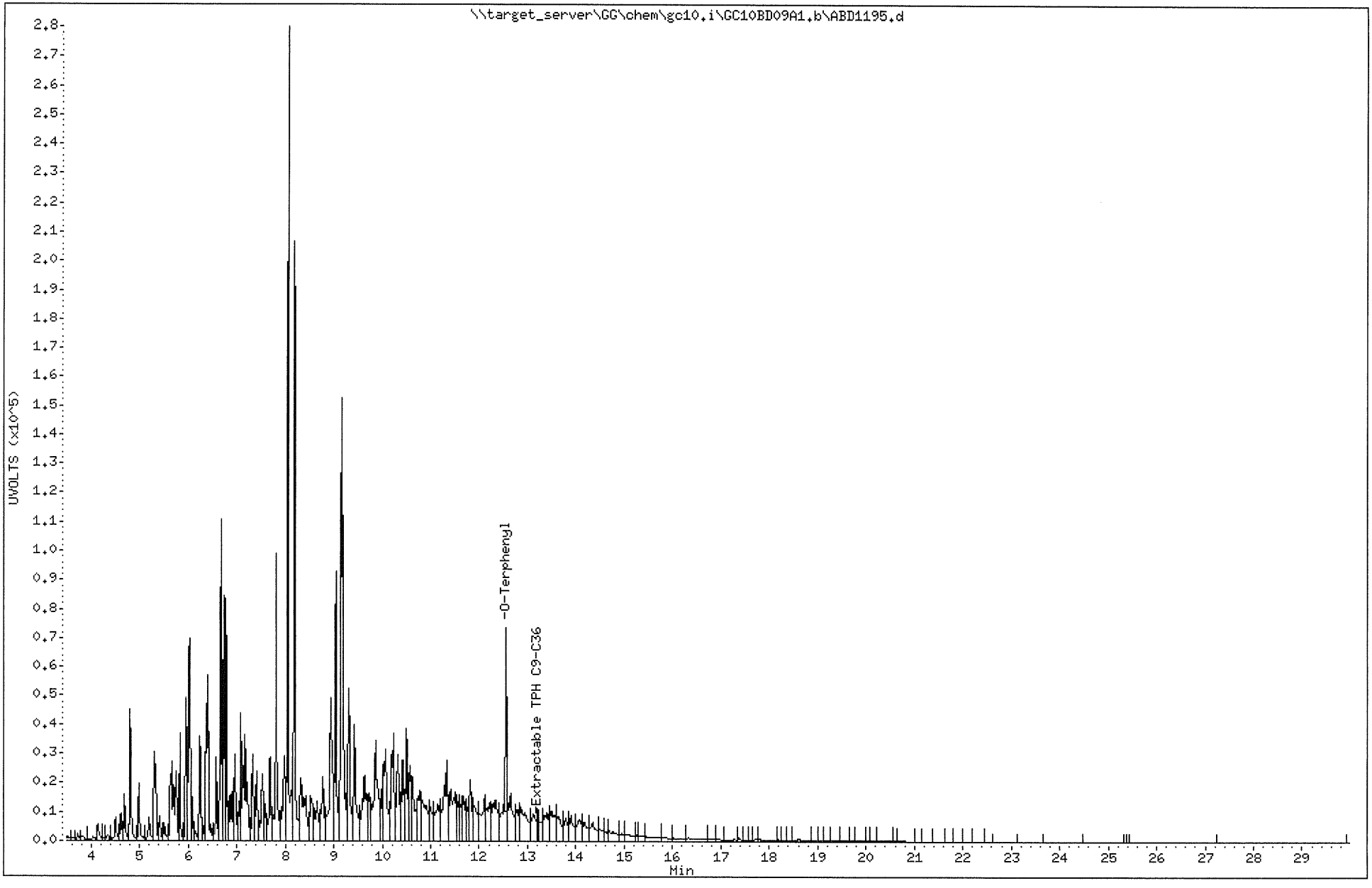
MZ JP 041508

QC Flag Legend

M - Compound response manually integrated.

Data File: \\target_server\GC\chem\gc10.i\GC10BD09A1.b\ABD1195.d
Date : 12-APR-2008 00:27
Client ID: AWDGWMW30320080326
Sample Info: TPHA021A.M,GC10BD09A1.B,1,SB1567-6
Purge Volume: 1.1
Column phase: ZB-1

Instrument: gc10.i
Operator: KGT
Column diameter: 0.53



Katahdin Analytical Services 2000050

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 03/26/08
Received Date: 03/28/08
Extraction Date: 04/02/08
Analysis Date: 12-APR-2008 01:06
Report Date: 04/15/2008
Matrix: WATER
% Solids: NA

Lab ID: SB1567-7
Client ID: AWDGWMW40220080326
SDG: CTO426-2
Extracted by: KF
Extraction Method: SW846 3510
Analyst: KGT
Analysis Method: SW846 M8015B
Lab Prep Batch: WG49860
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
	Extractable TPH C9-C36		480	1.0	75	78	47
	O-Terphenyl		81%				

Data File: \\target_server\GG\chem\gc10.i\GC10BD09A1.b\ABD1196.d
Report Date: 15-Apr-2008 13:10

Katahdin Analytical Services

Data file : \\target_server\GG\chem\gc10.i\GC10BD09A1.b\ABD1196.d
Lab Smp Id: SB1567-7 Client Smp ID: AWDGWMW40220080326
Inj Date : 12-APR-2008 01:06
Operator : KGT Inst ID: gc10.i
Smp Info : TPHA021A.M,GC10BD09A1.B,1,SB1567-7
Misc Info : SW846 M8015B
Comment :
Method : \\TARGET_SERVER\GG\chem\gc10.i\GC10BD09A1.B\TPHA021A.m
Meth Date : 14-Apr-2008 10:33 ktanguay Quant Type: ESTD
Cal Date : 08-APR-2008 16:51 Cal File: ABD1097a.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: SW8015M-TPH.sub
Subtraction File: \\Target_server\GG\chem\gc10.i\GC10BD09A1.b\ABD1178.d
Target Version: 4.12
Processing Host: TARGET02

Concentration Formula: Amt * DF * (Vt/Vo)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00100	Final Volume (L)
Vo	0.96000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/L)
$ 8 O-Terphenyl	12.560	12.559	0.001	119243	16.1515	16.8(M)
S 10 Extractable TPH C9-C36	3.916-22.493			3030951	456.353	475(M)

MZ JR 04-15-08

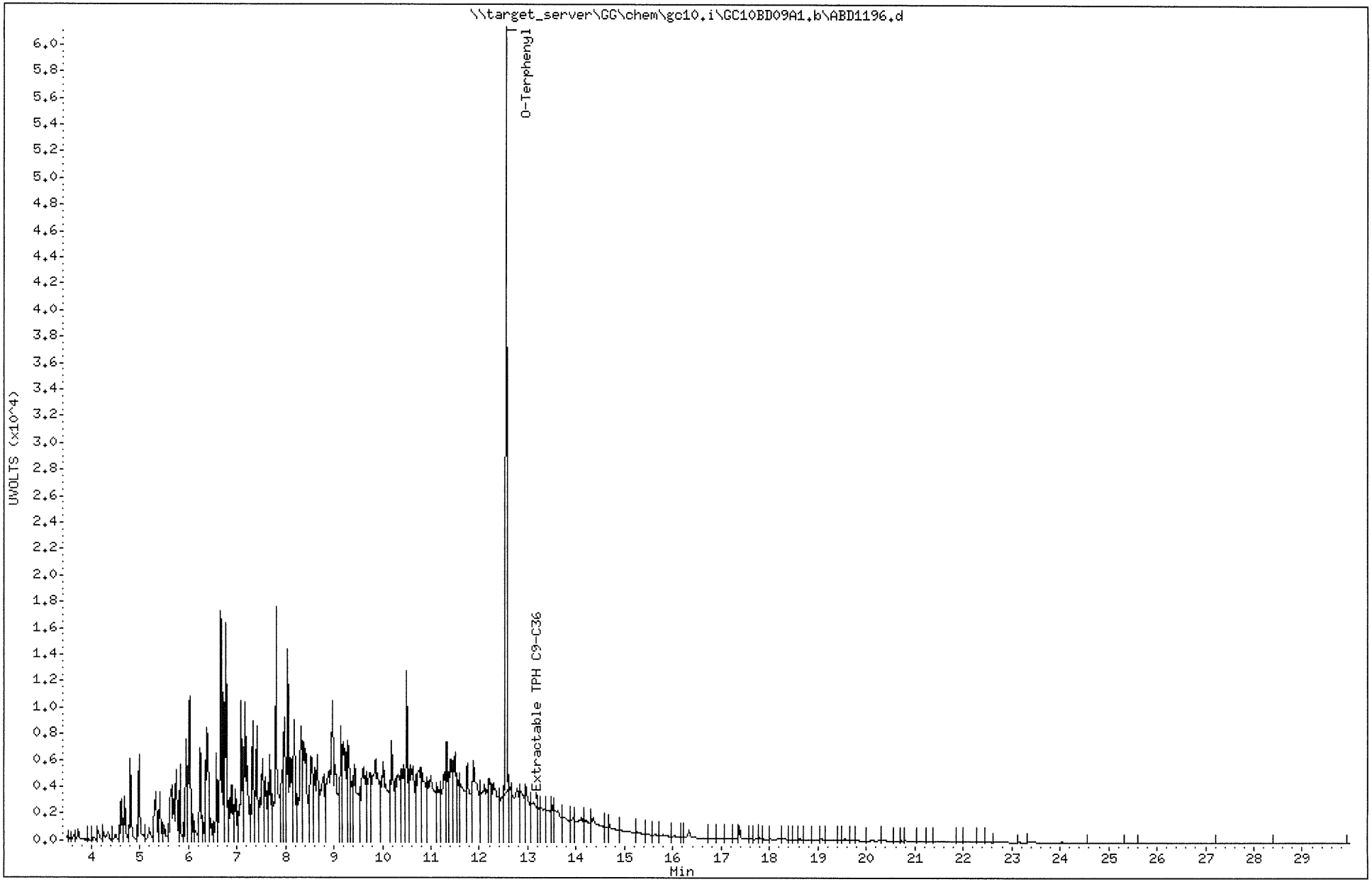
QC Flag Legend

M - Compound response manually integrated.

Data File: \\target_server\GC\chem\gc10.i\GC10BD09A1.b\ABD1196.d
Date : 12-APR-2008 01:06
Client ID: AWDGWMW40220080326
Sample Info: TPHA021A.M,GC10BD09A1.B,1,SB1567-7
Purge Volume: 1.0
Column phase: ZB-1

Instrument: gc10.i

Operator: KGT
Column diameter: 0.53



Katahdin Analytical Services 2000053

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 03/26/08
Received Date: 03/28/08
Extraction Date: 04/02/08
Analysis Date: 12-APR-2008 01:45
Report Date: 04/15/2008
Matrix: WATER
% Solids: NA

Lab ID: SB1567-8
Client ID: AWD-GW-DUP2
SDG: CTO426-2
Extracted by: KF
Extraction Method: SW846 3510
Analyst: KGT
Analysis Method: SW846 M8015B
Lab Prep Batch: WG49860
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
	Extractable TPH C9-C36		1700	1.0	75	75	42
	O-Terphenyl		74%				

Data File: \\target_server\GG\chem\gc10.i\GC10BD09A1.b\ABD1197.d
Report Date: 15-Apr-2008 13:11

Katahdin Analytical Services

Data file : \\target_server\GG\chem\gc10.i\GC10BD09A1.b\ABD1197.d
Lab Smp Id: SB1567-8 Client Smp ID: AWD-GW-DUP2
Inj Date : 12-APR-2008 01:45
Operator : KGT Inst ID: gc10.i
Smp Info : TPHA021A.M,GC10BD09A1.B,1,SB1567-8
Misc Info : SW846 M8015B
Comment :
Method : \\TARGET_SERVER\GG\chem\gc10.i\GC10BD09A1.B\TPHA021A.m
Meth Date : 14-Apr-2008 10:33 ktanguay Quant Type: ESTD
Cal Date : 08-APR-2008 16:51 Cal File: ABD1097a.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: SW8015M-TPH.sub
Subtraction File: \\Target_server\GG\chem\gc10.i\GC10BD09A1.b\ABD1178.d
Target Version: 4.12
Processing Host: TARGET02

Concentration Formula: Amt * DF * (Vt/Vo)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00100	Final Volume (L)
Vo	1.060	Sample Volume (L)
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/L)
$ 8 O-Terphenyl	12.560	12.559	0.001	109163	14.7529	13.9(M)
S 10 Extractable TPH C9-C36	3.916-22.493			11944572	1828.61	1720(M)

MZ JP 041508

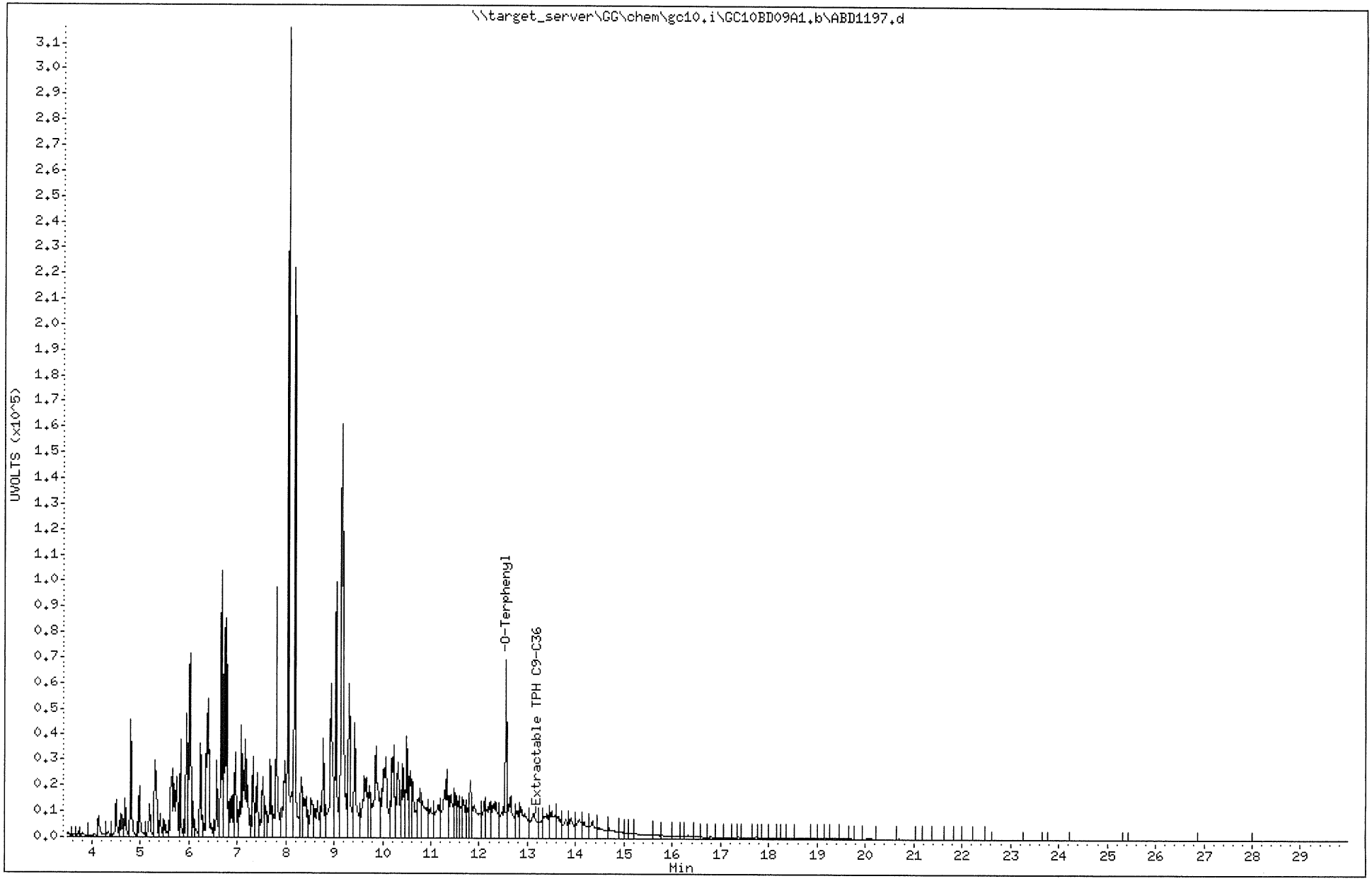
QC Flag Legend

M - Compound response manually integrated.

Data File: \\target_server\GC\chem\gc10.i\GC10BD09A1.b\ABD1197.d
Date : 12-APR-2008 01:45
Client ID: AWD-GW-DUP2
Sample Info: TPHA021A.M,GC10BD09A1.B,1,SB1567-8
Purge Volume: 1.1
Column phase: ZB-1

Instrument: gc10.i

Operator: KGT
Column diameter: 0.53



Katahdin Analytical Services 2000056

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 03/27/08
Received Date: 03/28/08
Extraction Date: 04/02/08
Analysis Date: 12-APR-2008 02:24
Report Date: 04/15/2008
Matrix: WATER
% Solids: NA

Lab ID: SB1567-9
Client ID: AWDGWMW40320080327
SDG: CTO426-2
Extracted by: KF
Extraction Method: SW846 3510
Analyst: KGT
Analysis Method: SW846 M8015B
Lab Prep Batch: WG49860
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
	Extractable TPH C9-C36		160	1.0	75	75	42
	O-Terphenyl		86%				

Data File: \\target_server\GG\chem\gc10.i\GC10BD09A1.b\ABD1198.d
Report Date: 15-Apr-2008 13:11

Katahdin Analytical Services

Data file : \\target_server\GG\chem\gc10.i\GC10BD09A1.b\ABD1198.d
Lab Smp Id: SB1567-9 Client Smp ID: AWDGWMW40320080327
Inj Date : 12-APR-2008 02:24
Operator : KGT Inst ID: gc10.i
Smp Info : TPHA021A.M,GC10BD09A1.B,1,SB1567-9
Misc Info : SW846 M8015B
Comment :
Method : \\TARGET_SERVER\GG\chem\gc10.i\GC10BD09A1.B\TPHA021A.m
Meth Date : 14-Apr-2008 10:33 ktanguay Quant Type: ESTD
Cal Date : 08-APR-2008 16:51 Cal File: ABD1097a.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: SW8015M-TPH.sub
Subtraction File: \\Target_server\GG\chem\gc10.i\GC10BD09A1.b\ABD1178.d
Target Version: 4.12
Processing Host: TARGET02

Concentration Formula: Amt * DF * (Vt/Vo)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00100	Final Volume (L)
Vo	1.060	Sample Volume (L)
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/L)
$ 8 O-Terphenyl	12.560	12.559	0.001	127300	17.2694	16.3(M)
S 10 Extractable TPH C9-C36	3.916-22.493			1143327	165.752	156(M)

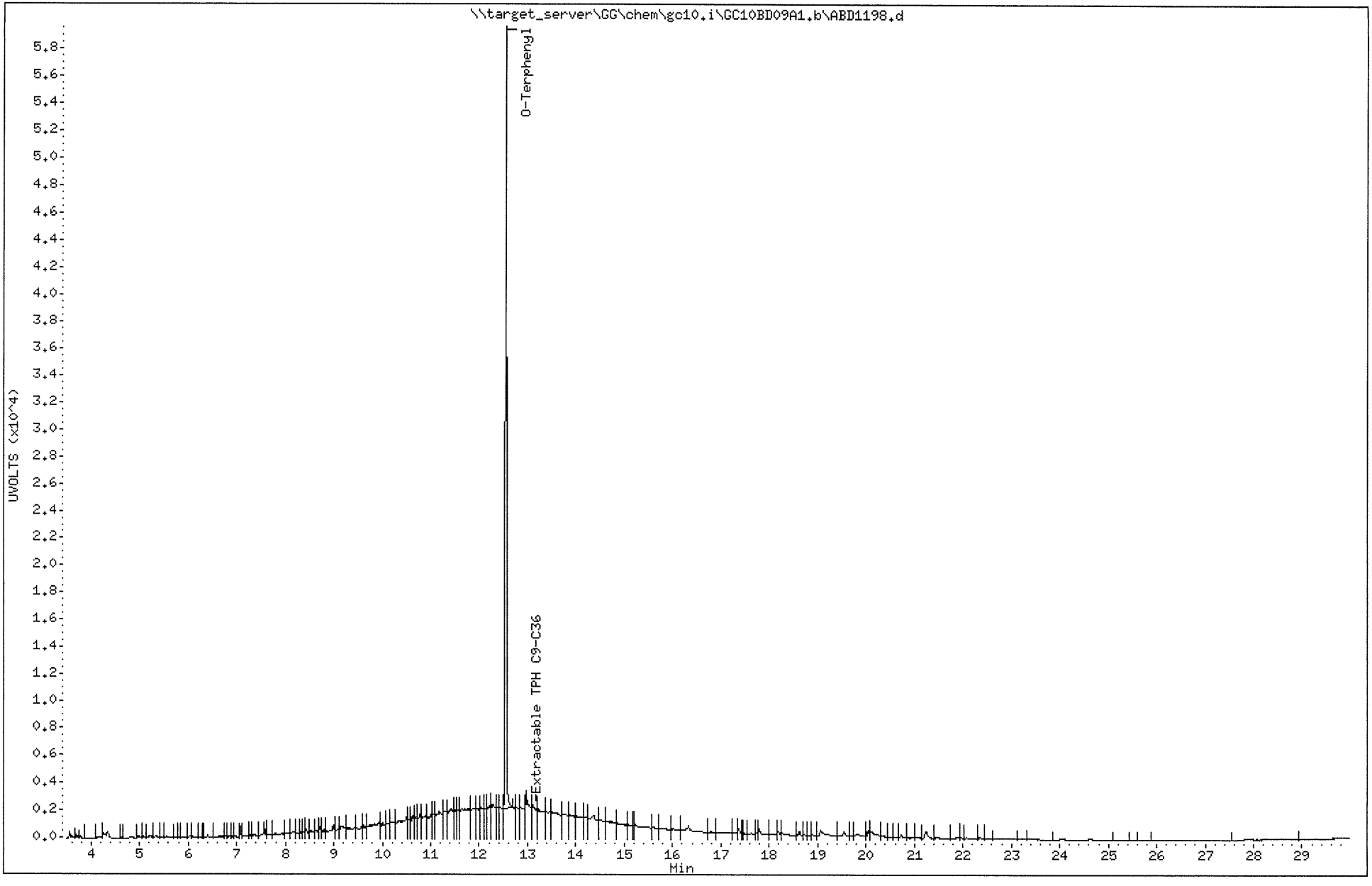
MZ
JLP
041508

QC Flag Legend

M - Compound response manually integrated.

Data File: \\target_server\GG\chem\gc10.i\GC10BD09A1.b\ABD1198.d
Date : 12-APR-2008 02:24
Client ID: AWDGWMW40320080327
Sample Info: TPHA021A.M,GC10BD09A1.B,1,SB1567-9
Purge Volume: 1.1
Column phase: ZB-1

Instrument: gc10.i
Operator: KGT
Column diameter: 0.53



Katahdin Analytical Services 2000059

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 03/27/08
Received Date: 03/28/08
Extraction Date: 04/02/08
Analysis Date: 12-APR-2008 03:02
Report Date: 04/15/2008
Matrix: WATER
% Solids: NA

Lab ID: SB1567-10
Client ID: AWD-GW-DUP1
SDG: CTO426-2
Extracted by: KF
Extraction Method: SW846 3510
Analyst: KGT
Analysis Method: SW846 M8015B
Lab Prep Batch: WG49860
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
	Extractable TPH C9-C36		140	1.0	75	75	42
	O-Terphenyl		80%				

Data File: \\target_server\GG\chem\gc10.i\GC10BD09A1.b\ABD1199.d
Report Date: 15-Apr-2008 13:11

Katahdin Analytical Services

Data file : \\target_server\GG\chem\gc10.i\GC10BD09A1.b\ABD1199.d
Lab Smp Id: SB1567-10 Client Smp ID: AWD-GW-DUP1
Inj Date : 12-APR-2008 03:02
Operator : KGT Inst ID: gc10.i
Smp Info : TPHA021A.M,GC10BD09A1.B,1,SB1567-10
Misc Info : SW846 M8015B
Comment :
Method : \\TARGET_SERVER\GG\chem\gc10.i\GC10BD09A1.B\TPHA021A.m
Meth Date : 14-Apr-2008 10:33 ktanguay Quant Type: ESTD
Cal Date : 08-APR-2008 16:51 Cal File: ABD1097a.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: SW8015M-TPH.sub
Subtraction File: \\Target_server\GG\chem\gc10.i\GC10BD09A1.b\ABD1178.d
Target Version: 4.12
Processing Host: TARGET02

Concentration Formula: Amt * DF * (Vt/Vo)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00100	Final Volume (L)
Vo	1.060	Sample Volume (L)
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/L)
$ 8 O-Terphenyl	12.560	12.559	0.001	118505	16.0491	15.1(M)
S 10 Extractable TPH C9-C36	3.916-22.493			1021563	147.006	139(M)

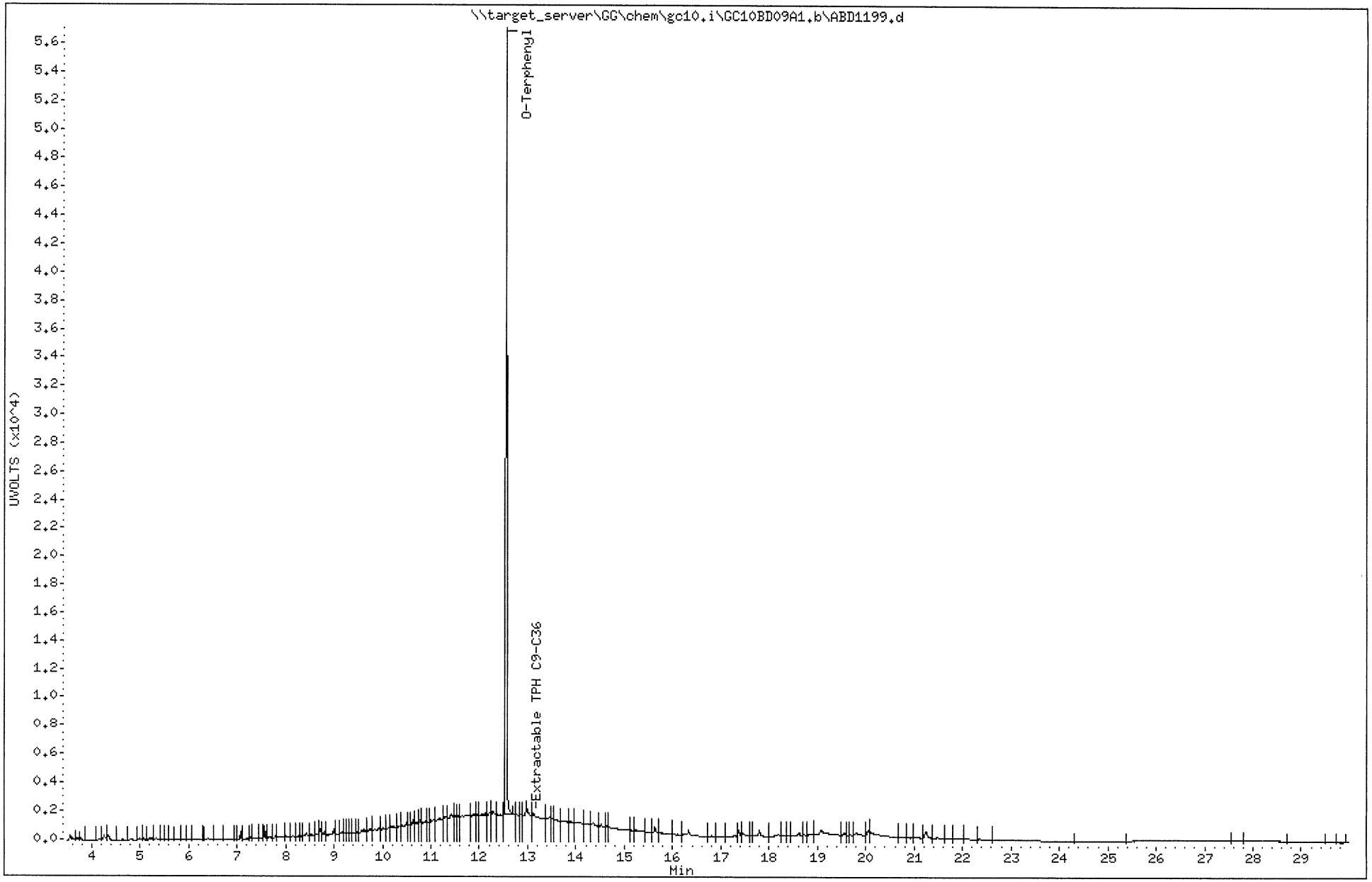
MZ
JKP
041508

QC Flag Legend

M - Compound response manually integrated.

Data File: \\target_server\GC\chem\gc10.i\GC10BD09A1.b\ABD1199.d
Date : 12-APR-2008 03:02
Client ID: AWD-GW-DUP1
Sample Info: TPHA021A.M,GC10BD09A1.B,1,SB1567-10
Purge Volume: 1.1
Column phase: ZB-1

Instrument: gc10.i
Operator: KGT
Column diameter: 0.53



Katahdin Analytical Services 2000062

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 03/27/08
Received Date: 03/28/08
Extraction Date: 04/02/08
Analysis Date: 12-APR-2008 03:41
Report Date: 04/15/2008
Matrix: WATER
% Solids: NA

Lab ID: SB1567-11
Client ID: AWDSWSW120080327
SDG: CTO426-2
Extracted by: KF
Extraction Method: SW846 3510
Analyst: KGT
Analysis Method: SW846 M8015B
Lab Prep Batch: WG49860
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
	Extractable TPH C9-C36		230	1.0	75	81	48
	O-Terphenyl		81%				

Data File: \\target_server\GG\chem\gc10.i\GC10BD09A1.b\ABD1200.d
Report Date: 15-Apr-2008 13:11

Katahdin Analytical Services

Data file : \\target_server\GG\chem\gc10.i\GC10BD09A1.b\ABD1200.d
Lab Smp Id: SB1567-11 Client Smp ID: AWDSWSW120080327
Inj Date : 12-APR-2008 03:41
Operator : KGT Inst ID: gc10.i
Smp Info : TPHA021A.M,GC10BD09A1.B,1,SB1567-11
Misc Info : SW846 M8015B
Comment :
Method : \\TARGET_SERVER\GG\chem\gc10.i\GC10BD09A1.B\TPHA021A.m
Meth Date : 14-Apr-2008 10:33 ktanguay Quant Type: ESTD
Cal Date : 08-APR-2008 16:51 Cal File: ABD1097a.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: SW8015M-TPH.sub
Subtraction File: \\Target_server\GG\chem\gc10.i\GC10BD09A1.b\ABD1178.d
Target Version: 4.12
Processing Host: TARGET02

Concentration Formula: Amt * DF * (Vt/Vo)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00100	Final Volume (L)
Vo	0.93000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/L)
$ 8 O-Terphenyl	12.560	12.559	0.001	119470	16.1830	17.4(M)
S 10 Extractable TPH C9-C36	3.916-22.493			1453866	213.559	230(M)

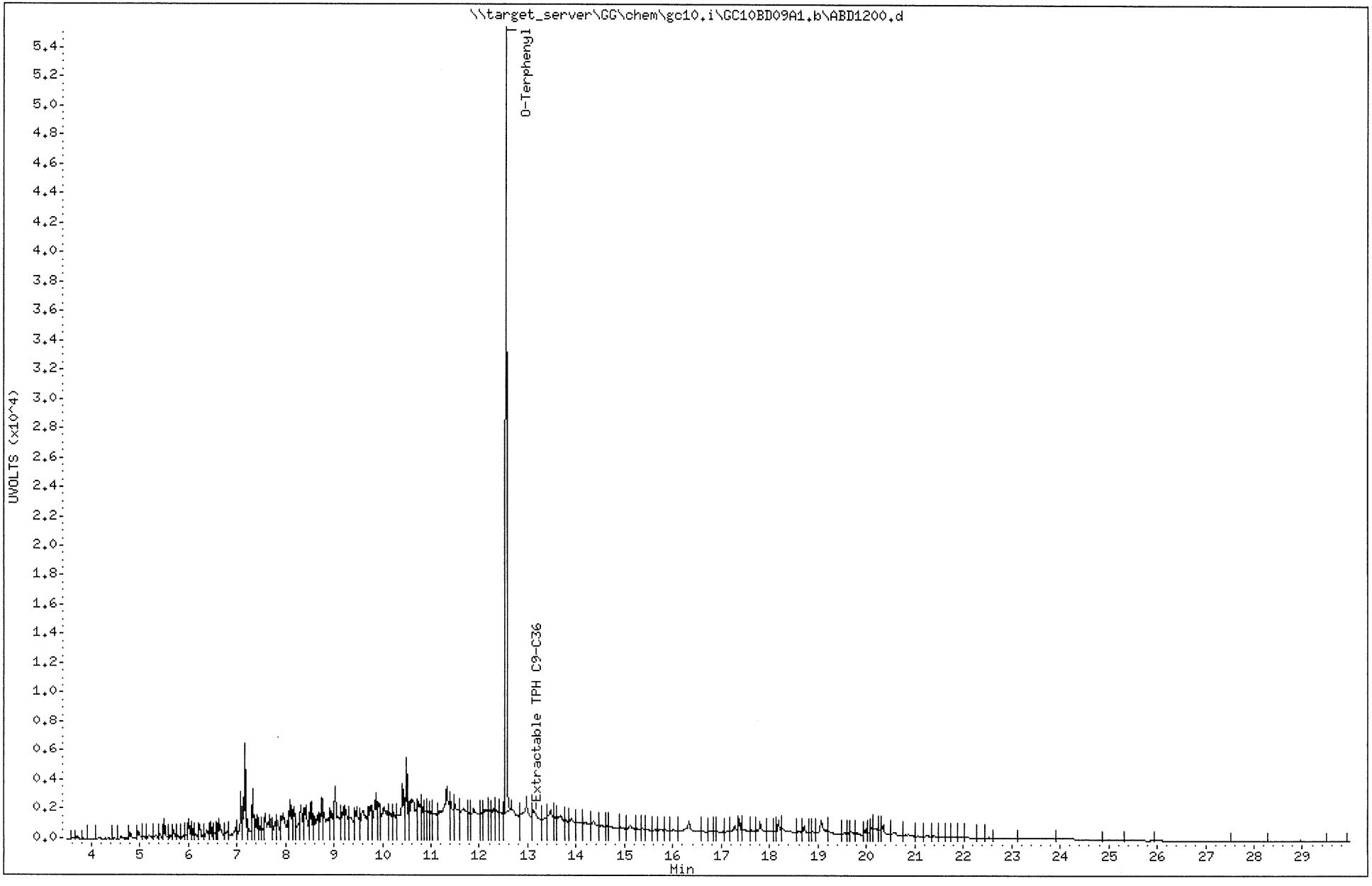
MZ
JLP
04/15/08

QC Flag Legend

M - Compound response manually integrated.

Data File: \\target_server\GC\chem\gc10.i\GC10BD09A1.b\ABD1200.d
Date : 12-APR-2008 03:41
Client ID: AWDSWSW120080327
Sample Info: TPHA021A.M,GC10BD09A1.B,1,SB1567-11
Purge Volume: 0.9
Column phase: ZB-1

Instrument: gc10.i
Operator: KGT
Column diameter: 0.53



Katahdin Analytical Services 2000065

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 03/27/08
Received Date: 03/28/08
Extraction Date: 04/02/08
Analysis Date: 12-APR-2008 04:20
Report Date: 04/15/2008
Matrix: WATER
% Solids: NA

Lab ID: SB1567-12
Client ID: AWD-SW-DUP1
SDG: CTO426-2
Extracted by: KF
Extraction Method: SW846 3510
Analyst: KGT
Analysis Method: SW846 M8015B
Lab Prep Batch: WG49860
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
	Extractable TPH C9-C36		170	1.0	75	75	45
	O-Terphenyl		80%				

Data File: \\target_server\GG\chem\gc10.i\GC10BD09A1.b\ABD1201.d
Report Date: 15-Apr-2008 13:11

Katahdin Analytical Services

Data file : \\target_server\GG\chem\gc10.i\GC10BD09A1.b\ABD1201.d
Lab Smp Id: SB1567-12 Client Smp ID: AWD-SW-DUP1
Inj Date : 12-APR-2008 04:20
Operator : KGT Inst ID: gc10.i
Smp Info : TPHA021A.M,GC10BD09A1.B,1,SB1567-12
Misc Info : SW846 M8015B
Comment :
Method : \\TARGET_SERVER\GG\chem\gc10.i\GC10BD09A1.B\TPHA021A.m
Meth Date : 14-Apr-2008 10:33 ktanguay Quant Type: ESTD
Cal Date : 08-APR-2008 16:51 Cal File: ABD1097a.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: SW8015M-TPH.sub
Subtraction File: \\Target_server\GG\chem\gc10.i\GC10BD09A1.b\ABD1178.d
Target Version: 4.12
Processing Host: TARGET02

Concentration Formula: Amt * DF * (Vt/Vo)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00100	Final Volume (L)
Vo	1.000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/L)
$ 8 O-Terphenyl	12.560	12.559	0.001	118959	16.1121	16.1(M)
S 10 Extractable TPH C9-C36	3.916-22.493			1171947	170.158	170(M)

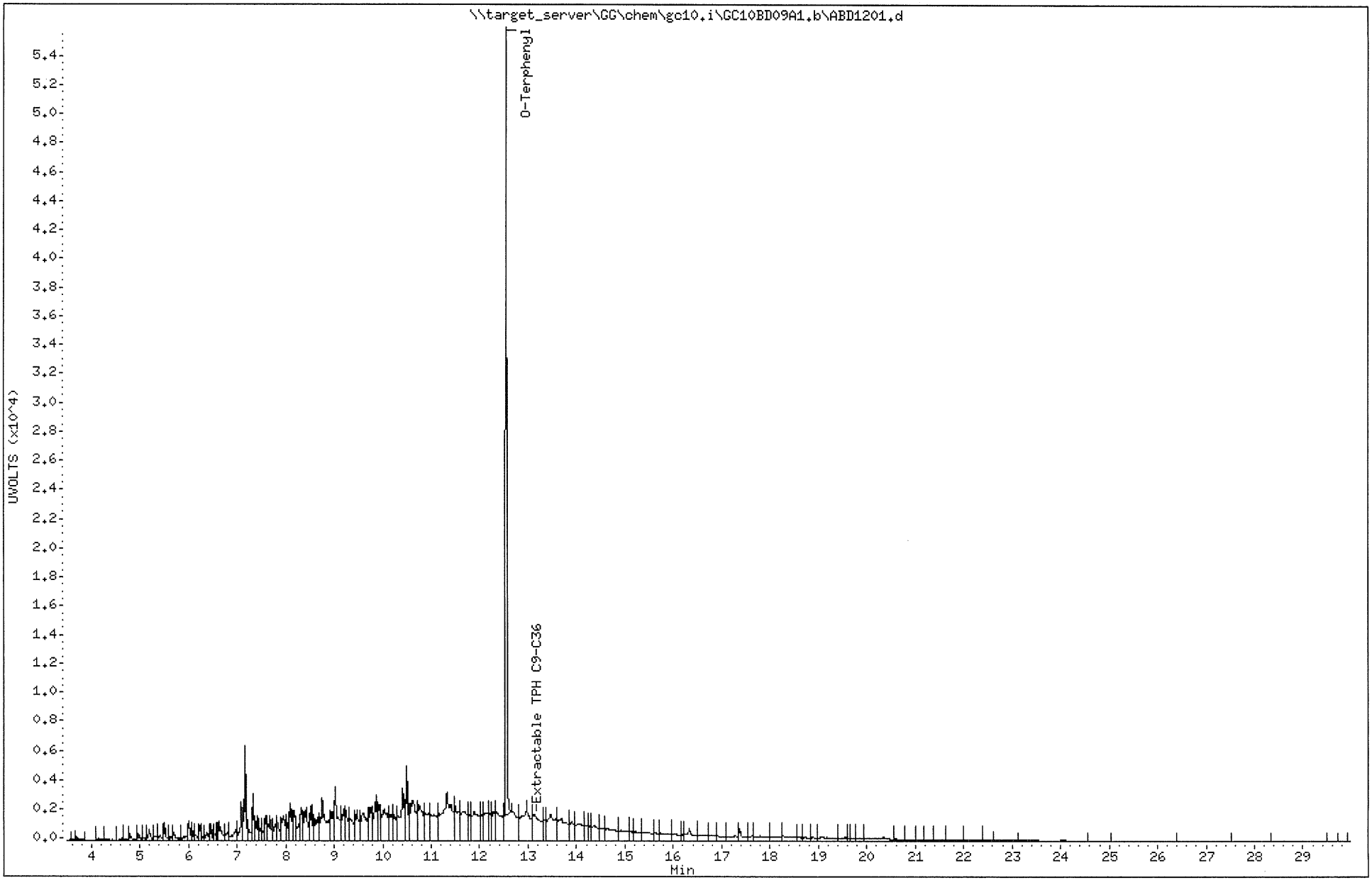
MZ
JLP
091508

QC Flag Legend

M - Compound response manually integrated.

Data File: \\target_server\GC\chem\gc10.i\GC10BD09A1.b\ABD1201.d
Date : 12-APR-2008 04:20
Client ID: AWD-SW-DUP1
Sample Info: TPHA021A.M,GC10BD09A1.B,1,SB1567-12
Purge Volume: 1.0
Column phase: ZB-1

Instrument: gc10.i
Operator: KGT
Column diameter: 0.53



Katahdin Analytical Services 2000068

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 03/27/08
Received Date: 03/28/08
Extraction Date: 04/02/08
Analysis Date: 12-APR-2008 04:59
Report Date: 04/15/2008
Matrix: WATER
% Solids: NA

Lab ID: SB1567-13
Client ID: AWDGWMW40420080327
SDG: CTO426-2
Extracted by: KF
Extraction Method: SW846 3510
Analyst: KGT
Analysis Method: SW846 M8015B
Lab Prep Batch: WG49860
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
	Extractable TPH C9-C36		260	1.0	75	75	42
	O-Terphenyl		74%				

Data File: \\target_server\GG\chem\gc10.i\GC10BD09A1.b\ABD1202.d
Report Date: 15-Apr-2008 13:11

Katahdin Analytical Services

Data file : \\target_server\GG\chem\gc10.i\GC10BD09A1.b\ABD1202.d
Lab Smp Id: SB1567-13 Client Smp ID: AWDGWMW40420080327
Inj Date : 12-APR-2008 04:59
Operator : KGT Inst ID: gc10.i
Smp Info : TPHA021A.M,GC10BD09A1.B,1,SB1567-13
Misc Info : SW846 M8015B
Comment :
Method : \\TARGET_SERVER\GG\chem\gc10.i\GC10BD09A1.B\TPHA021A.m
Meth Date : 14-Apr-2008 10:33 ktanguay Quant Type: ESTD
Cal Date : 08-APR-2008 16:51 Cal File: ABD1097a.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: SW8015M-TPH.sub
Subtraction File: \\Target_server\GG\chem\gc10.i\GC10BD09A1.b\ABD1178.d
Target Version: 4.12
Processing Host: TARGET02

Concentration Formula: Amt * DF * (Vt/Vo)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00100	Final Volume (L)
Vo	1.060	Sample Volume (L)
Cpnd Variable		Local Compound Variable

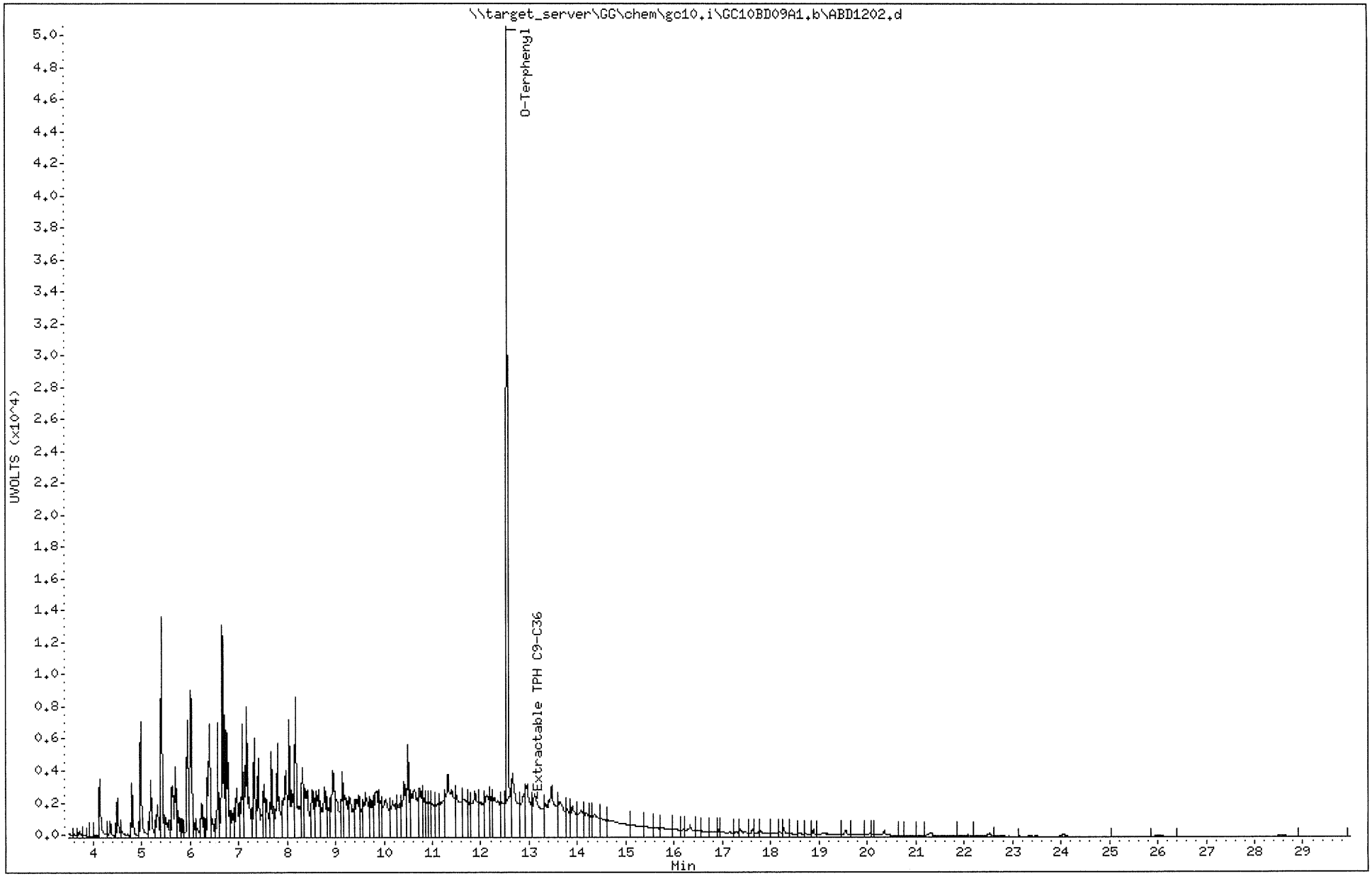
Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/L)
$ 8 O-Terphenyl	12.560	12.559	0.001	108920	14.7192	13.9(M)
S 10 Extractable TPH C9-C36	3.916-22.493			1849814	274.516	259(M)

MZ JK 041508

QC Flag Legend

M - Compound response manually integrated.

Data File: \\target_server\GC\chem\gc10.i\GC10BD09A1.b\ABD1202.d
Date : 12-APR-2008 04:59
Client ID: AWDGWMW40420080327
Instrument: gc10.i
Sample Info: TPHA021A.M,GC10BD09A1.B,1,SB1567-13
Purge Volume: 1.1
Operator: KGT
Column phase: ZB-1
Column diameter: 0.53



Katahdin Analytical Services 2000071

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 03/27/08
Received Date: 03/29/08
Extraction Date: 04/02/08
Analysis Date: 12-APR-2008 05:37
Report Date: 04/15/2008
Matrix: WATER
% Solids: NA

Lab ID: SB1568-2
Client ID: AWDSWPZ203A20080327
SDG: CTO426-2
Extracted by: KF
Extraction Method: SW846 3510
Analyst: KGT
Analysis Method: SW846 M8015B
Lab Prep Batch: WG49860
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
	Extractable TPH C9-C36		450	1.0	75	190	110
	O-Terphenyl		73%				

Data File: \\target_server\GG\chem\gc10.i\GC10BD09A1.b\ABD1203.d
Report Date: 15-Apr-2008 13:11

Katahdin Analytical Services

Data file : \\target_server\GG\chem\gc10.i\GC10BD09A1.b\ABD1203.d
Lab Smp Id: SB1568-2 Client Smp ID: AWDSWPZ203A20080327
Inj Date : 12-APR-2008 05:37
Operator : KGT Inst ID: gc10.i
Smp Info : TPHA021A.M,GC10BD09A1.B,1,SB1568-2
Misc Info : SW846 M8015B
Comment :
Method : \\TARGET_SERVER\GG\chem\gc10.i\GC10BD09A1.B\TPHA021A.m
Meth Date : 14-Apr-2008 10:33 ktanguay Quant Type: ESTD
Cal Date : 08-APR-2008 16:51 Cal File: ABD1097a.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: SW8015M-TPH.sub
Subtraction File: \\Target_server\GG\chem\gc10.i\GC10BD09A1.b\ABD1178.d
Target Version: 4.12
Processing Host: TARGET02

Concentration Formula: Amt * DF * (Vt/Vo)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00100	Final Volume (L)
Vo	0.40000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/L)
$ 8 O-Terphenyl	12.560	12.559	0.001	108048	14.5982	36.5(M)
S 10 Extractable TPH C9-C36	3.916-22.493			1235622	179.961	450(M)

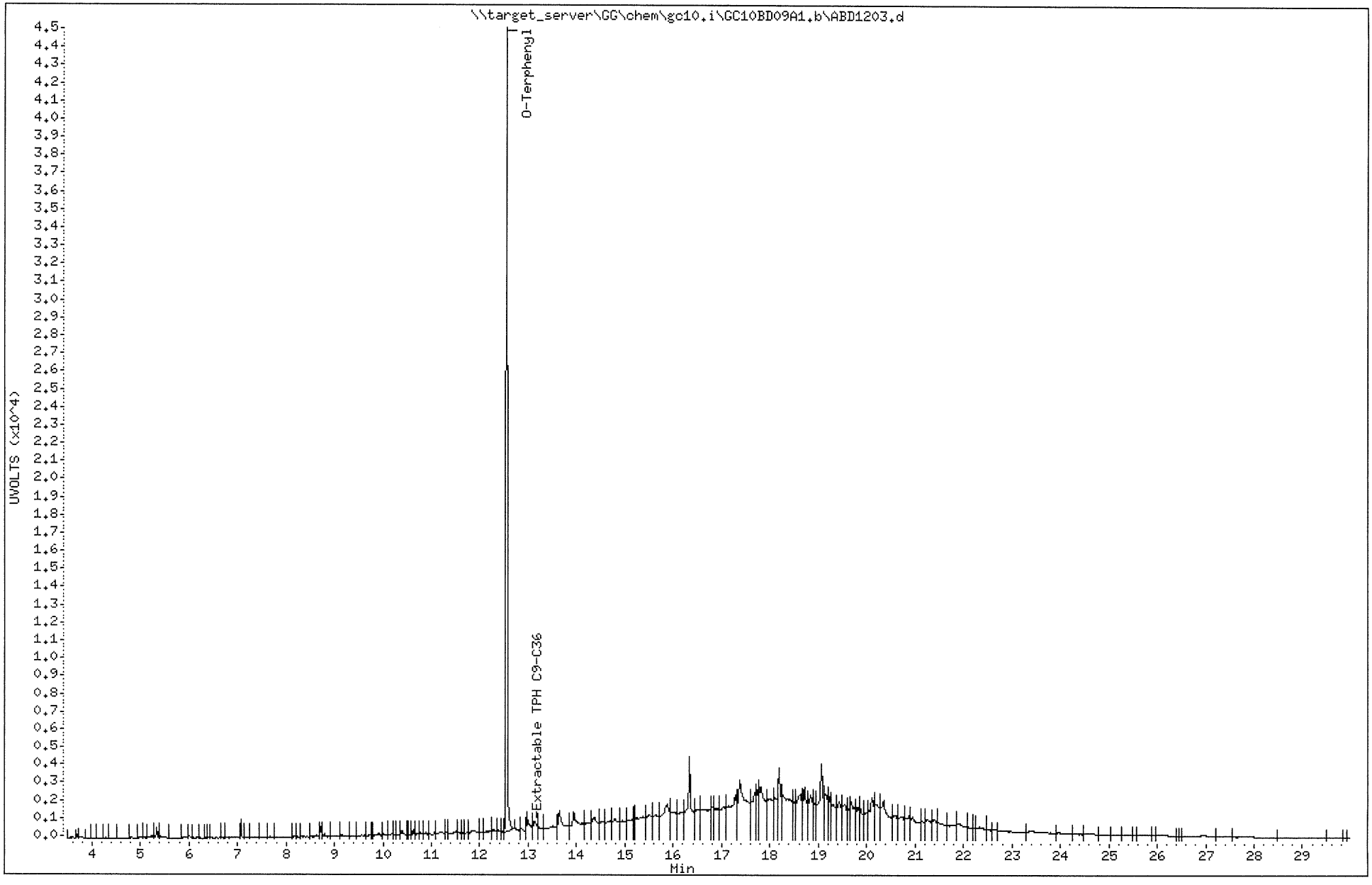
MZ
JLP
04/30/08

QC Flag Legend

M - Compound response manually integrated.

Data File: \\target_server\GC\chem\gc10.i\GC10BD09A1.b\ABD1203.d
Date : 12-APR-2008 05:37
Client ID: AWDSWPZ203A20080327
Sample Info: TPHA021A.M,GC10BD09A1.B,1,SB1568-2
Purge Volume: 0.4
Column phase: ZB-1

Instrument: gc10.i
Operator: KGT
Column diameter: 0.53



Katahdin Analytical Services 2000074

Standards Data Section

FORM 6
DRO INITIAL CALIBRATION DATA

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project CTO 426 NLON SDG No.: CTO426-2

Instrument ID: GC10 Calibration Date(s): 04/08/08 04/08/08

Column: ZB-1 ID: 0.53 (mm) Calibration Time(s): 1420 1651

LAB FILE ID: RF5: ABD1097A RF20: ABD1096A RF50: ABD1093A
RF100: ABD1095A RF200: ABD1094A

COMPOUND	RF5	RF20	RF50	RF100	RF200	CURVE	COEFFICENTS A0	A1	%RSD OR R^2	MAX %RSD OR R^2
TPH Peaks C9-C36	456260	1909700	4544300	9497900	2e+007	LINR	-10.264417	1.54e-004	0.99937	0.99000
C-9	32386	131110	311890	653460	1248100	LINR	-0.6810611	1.595e-004	0.99943	0.99000
C-10	31005	132020	319160	664960	1274400	LINR	-0.5081632	1.561e-004	0.99951	0.99000
C-12	27211	125450	320650	673420	1279800	LINR	-0.1114423	1.548e-004	0.99923	0.99000
C-14	31425	136730	317000	672580	1282800	LINR	-0.5758226	1.551e-004	0.99933	0.99000
C-16	34123	135830	322490	673160	1282100	LINR	-0.8506545	1.553e-004	0.99938	0.99000
C-18	33247	138080	327370	683110	1300500	LINR	-0.8120776	1.53e-004	0.99936	0.99000
C-19	33132	137550	329450	685830	1302400	LINR	-0.8427309	1.527e-004	0.99930	0.99000
C-20	34097	140550	330000	691020	1316400	LINR	-0.8172681	1.512e-004	0.99936	0.99000
C-22	34304	139000	329680	685580	1308500	LINR	-0.8440508	1.522e-004	0.99943	0.99000
C-24	34078	143900	332590	683930	1304200	LINR	-1.1734825	1.529e-004	0.99940	0.99000
C-26	33545	137790	327210	674910	1278500	LINR	-1.1343041	1.557e-004	0.99925	0.99000
C-28	33967	141410	332500	687730	1311000	LINR	-0.9828310	1.52e-004	0.99940	0.99000
C-30	34330	143730	338520	702840	1348400	LINR	-0.7436945	1.478e-004	0.99954	0.99000
C-36	29401	126510	305840	665380	1256300	LINR	-0.1392394	1.577e-004	0.99895	0.99000
O-Terphenyl	15561	61620	145870	300120	574940	LINR	-0.3931122	1.387e-004	0.99953	0.99000

FORM VI DRO

Report Date : 15-Apr-2008 13:00

Katahdin Analytical Services

INITIAL CALIBRATION DATA

Start Cal Date : 08-APR-2008 14:20
End Cal Date : 08-APR-2008 16:51
Quant Method : ESTD
Origin : Included
Target Version : 4.12
Integrator : HP Genie
Method file : \\target_server\GG\chem\gc10.i\GC10BD08A1.b\tpha021a.m
Cal Date : 09-Apr-2008 13:33 jprescott

Calibration File Names:
Level 1: \\target_server\GG\chem\gc10.i\GC10BD08A1.b\ABD1097a.d
Level 2: \\target_server\GG\chem\gc10.i\GC10BD08A1.b\ABD1096a.d
Level 3: \\target_server\GG\chem\gc10.i\GC10BD08A1.b\ABD1093a.d
Level 4: \\target_server\GG\chem\gc10.i\GC10BD08A1.b\ABD1095a.d
Level 5: \\target_server\GG\chem\gc10.i\GC10BD08A1.b\ABD1094a.d

	Compound	5.0000 Level 1	20.0000 Level 2	50.0000 Level 3	100.0000 Level 4	200.0000 Level 5	Curve	Coefficients b	m1	m2	%RSD or R^2	
M	TPH Peaks C9-C36	456258	1909678	4544345	9497893	18093636	LINR	-10.26442	6496		0.99937	
S	TPH-Product	+++++	+++++	+++++	+++++	+++++	LINR	0.000e+000	0.000e+000		0.000e+000	<-
	C-9	32386	131110	311889	653463	1248126	LINR	-0.68106	6270		0.99943	
	C-10	31005	132023	319159	664959	1274452	LINR	-0.50816	6406		0.99951	
	C-12	27211	125454	320651	673418	1279795	LINR	-0.11144	6459		0.99923	
	C-14	31425	136733	317002	672581	1282836	LINR	-0.57582	6449		0.99933	
	C-16	34123	135830	322487	673159	1282135	LINR	-0.85065	6440		0.99938	
	C-18	33247	138080	327374	683107	1300537	LINR	-0.81208	6535		0.99936	
	C-19	33132	137554	329450	685829	1302420	LINR	-0.84273	6547		0.99930	
S	Extractable TPH C9-C36	456258	1909678	4544354	9497893	18093636	LINR	-10.26469	6496		0.99937	
	C-20	34097	140554	330004	691018	1316403	LINR	-0.81727	6612		0.99936	
	C-22	34304	139004	329681	685575	1308489	LINR	-0.84405	6570		0.99943	
	C-24	34078	143901	332588	683933	1304227	LINR	-1.17348	6540		0.99940	
	C-26	33545	137787	327206	674908	1278460	LINR	-1.13430	6422		0.99925	
	C-28	33967	141407	332501	687730	1311034	LINR	-0.98283	6581		0.99940	

Katahdin Analytical Services 2000077

Report Date : 15-Apr-2008 13:00

Katahdin Analytical Services

INITIAL CALIBRATION DATA

Start Cal Date : 08-APR-2008 14:20
End Cal Date : 08-APR-2008 16:51
Quant Method : ESTD
Origin : Included
Target Version : 4.12
Integrator : HP Genie
Method file : \\target_server\GG\chem\gc10.i\GC10BD08A1.b\tpha021a.m
Cal Date : 09-Apr-2008 13:33 jprescott

Compound	5.0000 Level 1	20.0000 Level 2	50.0000 Level 3	100.0000 Level 4	200.0000 Level 5	Curve	Coefficients b	m1	m2	%RSD or R^2
16 C-30	34330	143726	338516	702836	1348413	LINR	-0.74369	6767		0.99954
17 C-36	29401	126507	305837	665377	1256309	LINR	-0.13924	6342		0.99895
$ 8 O-Terphenyl	15561	61620	145866	300124	574935	LINR	-0.39311	7207		0.99953

Katahdin Analytical Services 2000078

Report Date : 15-Apr-2008 13:00

Katahdin Analytical Services

INITIAL CALIBRATION DATA

Start Cal Date : 08-APR-2008 14:20
End Cal Date : 08-APR-2008 16:51
Quant Method : ESTD
Origin : Included
Target Version : 4.12
Integrator : HP Genie
Method file : \\target_server\GG\chem\gc10.i\GC10BD08A1.b\tpha021a.m
Cal Date : 09-Apr-2008 13:33 jprescott

Curve	Formula	Units
Linear	Amt = b + Rsp/ml	Response

Katahdin Analytical Services 2000079

Data File: \\target_server\GG\chem\gc10.i\GC10BD08A1.b\ABD1093a.d
Report Date: 15-Apr-2008 13:11

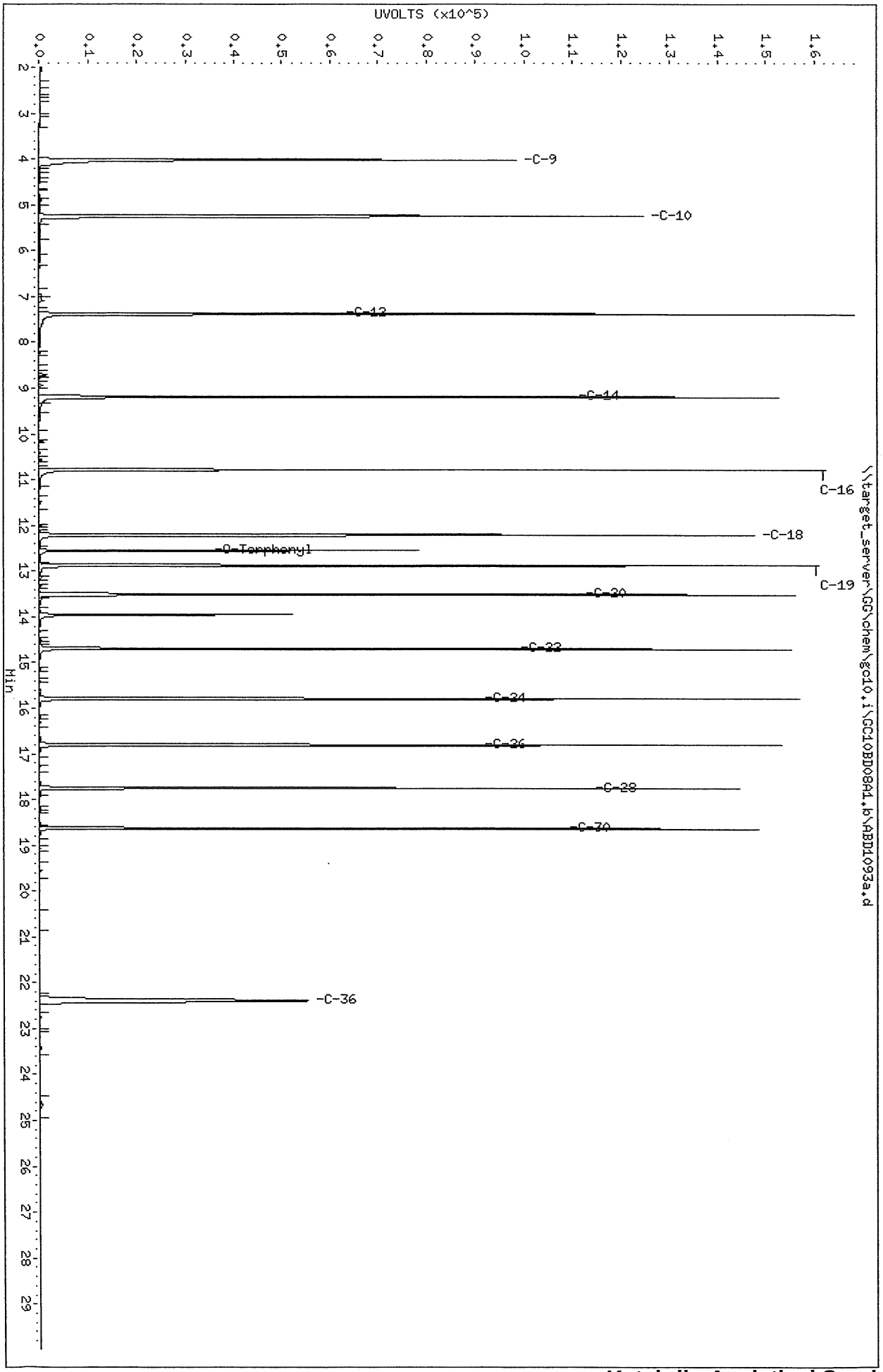
Katahdin Analytical Services

Data file : \\target_server\GG\chem\gc10.i\GC10BD08A1.b\ABD1093a.d
Lab Smp Id: PHC 50UG/ML
Inj Date : 08-APR-2008 14:20
Operator : JLP Inst ID: gc10.i
Smp Info : tphA021A.M,GC10BD08A1.B,1,PHC 50UG/ML
Misc Info : None
Comment :
Method : \\target_server\GG\chem\gc10.i\GC10BD08A1.B\tphA021A.m
Meth Date : 09-Apr-2008 13:33 jprescott Quant Type: ESTD
Cal Date : 08-APR-2008 14:20 Cal File: ABD1093a.d
Als bottle: 1 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: cv.sub
Subtraction File: \\target_server\GG\chem\gc10.i\GC10BD08A1.b\ABD1090.d
Target Version: 4.12
Processing Host: V200T2

Concentration Formula: Amt * DF * (Vt/Vo)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00100	Final Volume (L)
Vo	1.000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)
M 1 TPH Peaks C9-C36				4544345	700.000	689
2 C-9	4.015	4.015	0.000	311889	50.0000	49.0
3 C-10	5.244	5.244	0.000	319159	50.0000	49.3
4 C-12	7.386	7.386	0.000	320651	50.0000	49.5
5 C-14	9.196	9.196	0.000	317002	50.0000	48.6
6 C-16	10.786	10.786	0.000	322487	50.0000	49.2
7 C-18	12.216	12.216	0.000	327374	50.0000	49.3
$ 8 O-Terphenyl	12.559	12.559	0.000	145866	20.0000	19.8
9 C-19	12.880	12.880	0.000	329450	50.0000	49.5
11 C-20	13.516	13.516	0.000	330004	50.0000	49.1
12 C-22	14.704	14.704	0.000	329681	50.0000	49.3
13 C-24	15.798	15.798	0.000	332588	50.0000	49.7
14 C-26	16.811	16.811	0.000	327206	50.0000	49.8
15 C-28	17.756	17.756	0.000	332501	50.0000	49.5
16 C-30	18.637	18.637	0.000	338516	50.0000	49.3
17 C-36	22.392	22.392	0.000	305837	50.0000	48.1


Data File: \\target_server\GC\chem\gc10.i\GC10BD08A1.b\ABD1093a.d
Date : 08-APR-2008 14:20
Client ID:
Sample Info: tphA021A.M,GC10BD08A1.B.1,PHC 50UG/ML
Purge Volume: 1.0
Column phase: ZB-1
Instrument: gc10.i
Operator: JLP
Column diameter: 0.53
UVOLTS (x10^5)
0.0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0 1.1 1.2 1.3 1.4 1.5 1.6
Min
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29
-C-9
-C-10
-C-12
-C-14
C-16
-C-18
-O-Terphenyl
C-19
-C-20
-C-22
-C-24
-C-26
-C-28
-C-30
-C-36
\\target_server\GC\chem\gc10.i\GC10BD08A1.b\ABD1093a.d

Data File: \\target_server\GG\chem\gc10.i\GC10BD08A1.b\ABD1094a.d
Report Date: 15-Apr-2008 13:11

Katahdin Analytical Services

Data file : \\target_server\GG\chem\gc10.i\GC10BD08A1.b\ABD1094a.d
Lab Smp Id: PHC 200UG/ML
Inj Date : 08-APR-2008 14:58
Operator : JLP Inst ID: gc10.i
Smp Info : tphA021A.M,GC10BD08A1.B,1,PHC 200UG/ML
Misc Info : None
Comment :
Method : \\target_server\GG\chem\gc10.i\GC10BD08A1.B\tphA021A.m
Meth Date : 09-Apr-2008 13:33 jprescott Quant Type: ESTD
Cal Date : 08-APR-2008 14:58 Cal File: ABD1094a.d
Als bottle: 1 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: cv.sub
Subtraction File: \\target_server\GG\chem\gc10.i\GC10BD08A1.b\ABD1090.d
Target Version: 4.12
Processing Host: V200T2

Concentration Formula: Amt * DF * (Vt/Vo)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00100	Final Volume (L)
Vo	1.000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)
M 1 TPH Peaks C9-C36				18093636	2800.00	2730
2 C-9	4.024	4.015	0.009	1248126	200.000	193
3 C-10	5.255	5.244	0.011	1274452	200.000	195
4 C-12	7.400	7.386	0.014	1279795	200.000	195
5 C-14	9.210	9.196	0.014	1282836	200.000	195
6 C-16	10.800	10.786	0.014	1282135	200.000	196
7 C-18	12.236	12.216	0.020	1300537	200.000	195
$ 8 O-Terphenyl	12.571	12.559	0.012	574935	80.0000	78.5
9 C-19	12.897	12.880	0.017	1302420	200.000	195
11 C-20	13.531	13.516	0.015	1316403	200.000	195
12 C-22	14.720	14.704	0.016	1308489	200.000	193(M)
13 C-24	15.826	15.798	0.028	1304227	200.000	195(M)
14 C-26	16.840	16.811	0.029	1278460	200.000	193(M)
15 C-28	17.773	17.756	0.017	1311034	200.000	193(M)
16 C-30	18.666	18.637	0.029	1348413	200.000	194(M)
17 C-36	22.462	22.392	0.070	1256309	200.000	200(A)

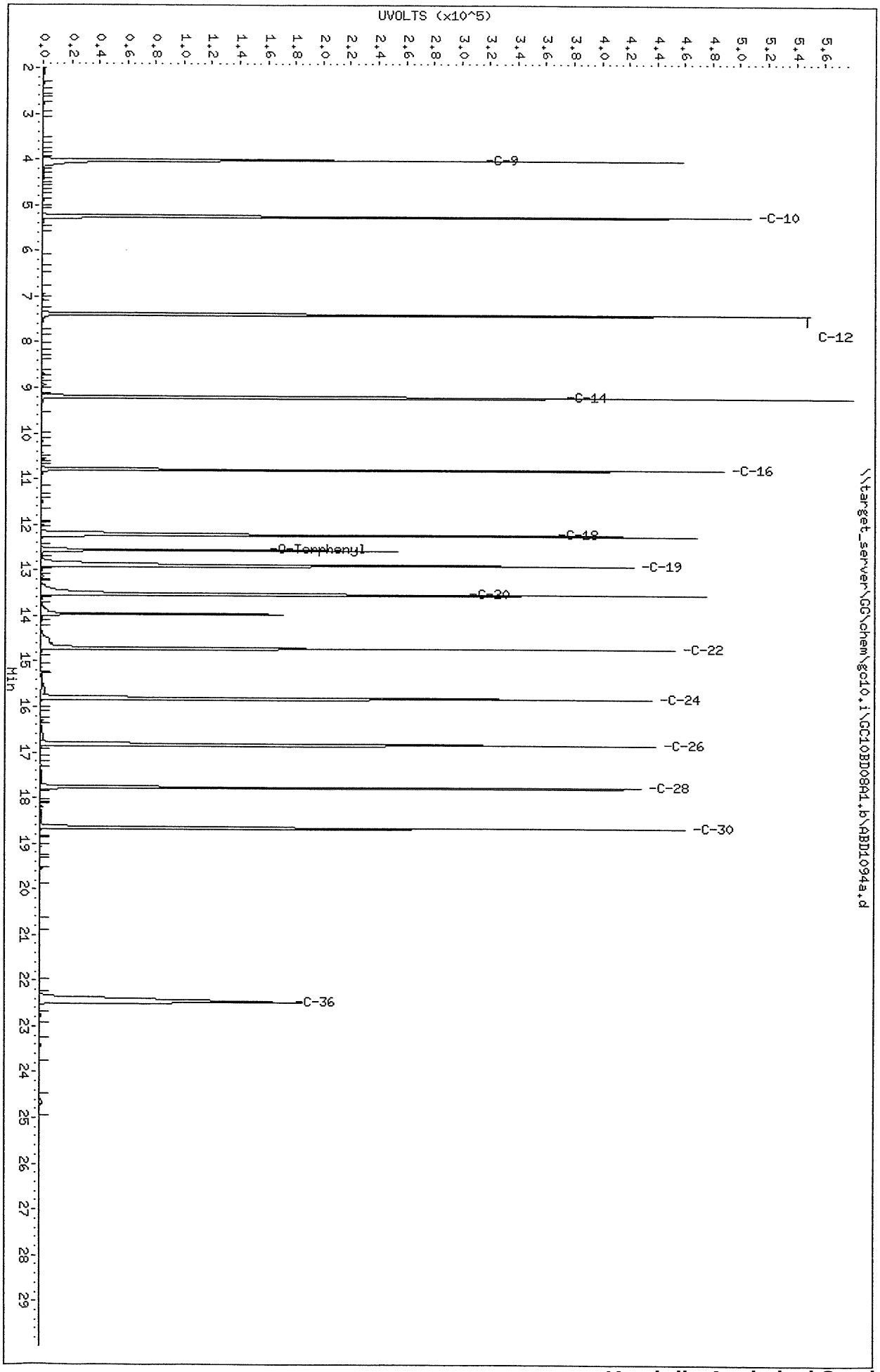
MJ
JLP
040908

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.

Data File: \\target_server\GC\chem\gc10.i\GC10BD08A1.b\ABD1094a.d
Date : 08-APR-2008 14:58
Client ID:
Sample Info: tphA021A.M,GC10BD08A1.B.1,PHC 200UG/ML
Purge Volume: 1.0
Column phase: ZB-1

Instrument: gc10.i
Operator: JLP
Column diameter: 0.53



Data File: \\target_server\GG\chem\gc10.i\GC10BD08A1.b\ABD1095a.d
Report Date: 15-Apr-2008 13:11

Katahdin Analytical Services

Data file : \\target_server\GG\chem\gc10.i\GC10BD08A1.b\ABD1095a.d
Lab Smp Id: PHC 100UG/ML
Inj Date : 08-APR-2008 15:35
Operator : JLP Inst ID: gc10.i
Smp Info : tphA021A.M,GC10BD08A1.B,1,PHC 100UG/ML
Misc Info : None
Comment :
Method : \\target_server\GG\chem\gc10.i\GC10BD08A1.B\tphA021A.m
Meth Date : 09-Apr-2008 13:33 jprescott Quant Type: ESTD
Cal Date : 08-APR-2008 15:35 Cal File: ABD1095a.d
Als bottle: 1 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: cv.sub
Subtraction File: \\target_server\GG\chem\gc10.i\GC10BD08A1.b\ABD1090.d
Target Version: 4.12
Processing Host: V200T2

Concentration Formula: Amt * DF * (Vt/Vo)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00100	Final Volume (L)
Vo	1.000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)
M 1 TPH Peaks C9-C36				9497893	1400.00	1470
2 C-9	4.017	4.015	0.002	653463	100.000	103
3 C-10	5.250	5.244	0.006	664959	100.000	105
4 C-12	7.392	7.386	0.006	673418	100.000	104
5 C-14	9.200	9.196	0.004	672581	100.000	106
6 C-16	10.794	10.786	0.008	673159	100.000	105
7 C-18	12.224	12.216	0.008	683107	100.000	104
$ 8 O-Terphenyl	12.562	12.559	0.003	300124	40.0000	41.7
9 C-19	12.889	12.880	0.009	685829	100.000	106
11 C-20	13.522	13.516	0.006	691018	100.000	106
12 C-22	14.706	14.704	0.002	685575	100.000	103 (M)
13 C-24	15.813	15.798	0.015	683933	100.000	106 (M)
14 C-26	16.826	16.811	0.015	674908	100.000	104 (M)
15 C-28	17.760	17.756	0.004	687730	100.000	103 (M)
16 C-30	18.647	18.637	0.010	702836	100.000	105
17 C-36	22.421	22.392	0.029	665377	100.000	105

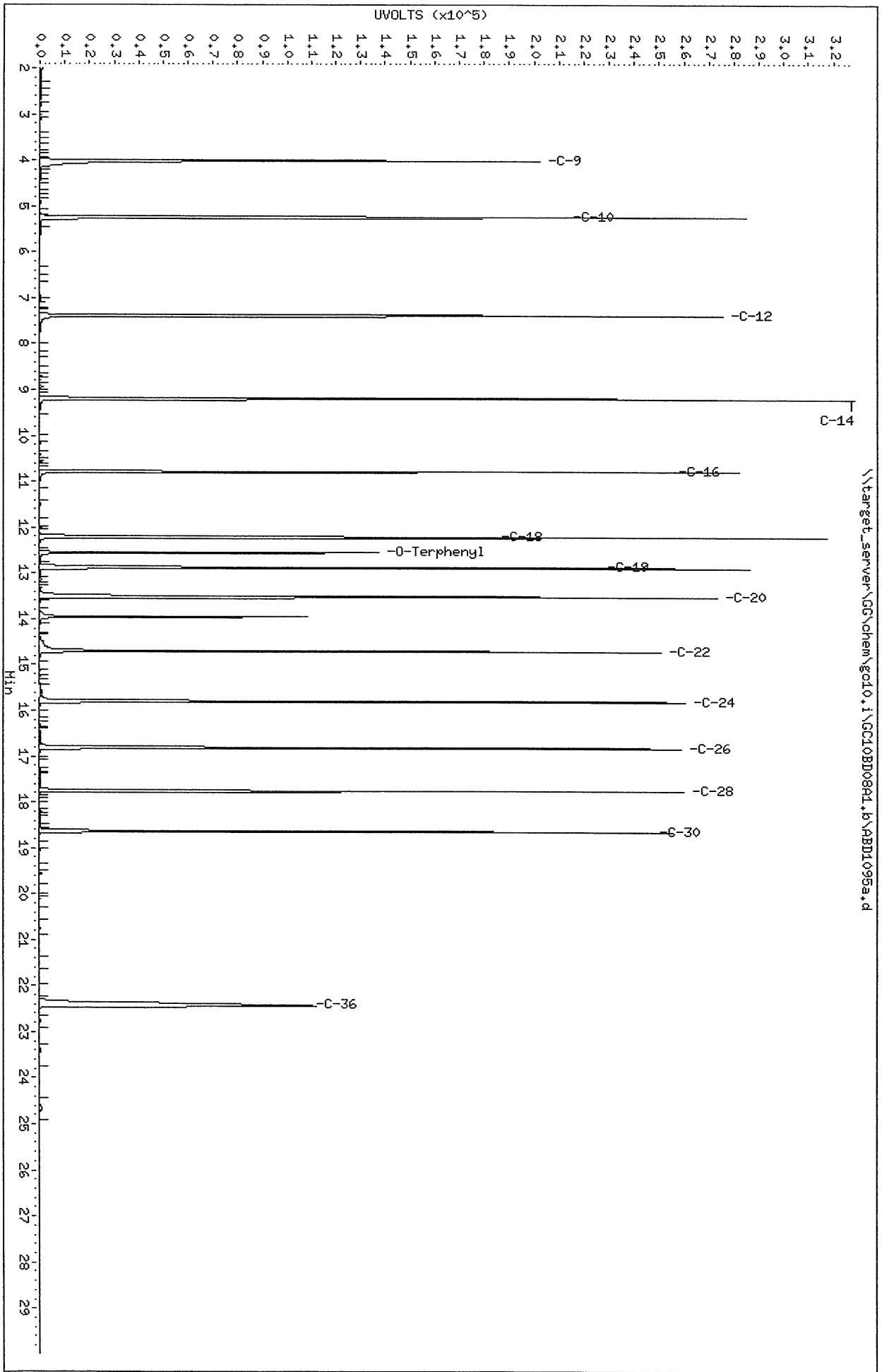
MJ
JP
040908

QC Flag Legend

M - Compound response manually integrated.

Data File: \\target_server\GC\chem\gc10.i\GC10BD08A1.b\ABD1095a.d
Date : 08-APR-2008 15:35
Client ID:
Sample Info: tphA021A.M,GC10BD08A1.B.1,PHC 100UG/ML
Purge Volume: 1.0
Column phase: ZB-1

Instrument: gc10.i
Operator: JLP
Column diameter: 0.53



Data File: \\target_server\GG\chem\gc10.i\GC10BD08A1.b\ABD1096a.d
Report Date: 15-Apr-2008 13:11

Katahdin Analytical Services

Data file : \\target_server\GG\chem\gc10.i\GC10BD08A1.b\ABD1096a.d
Lab Smp Id: PHC 20UG/ML
Inj Date : 08-APR-2008 16:13
Operator : JLP Inst ID: gc10.i
Smp Info : tphA021A.M,GC10BD08A1.B,1,PHC 20UG/ML
Misc Info : None
Comment :
Method : \\target_server\GG\chem\gc10.i\GC10BD08A1.B\tphA021A.m
Meth Date : 09-Apr-2008 13:33 jprescott Quant Type: ESTD
Cal Date : 08-APR-2008 16:13 Cal File: ABD1096a.d
Als bottle: 1 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: cv.sub
Subtraction File: \\target_server\GG\chem\gc10.i\GC10BD08A1.b\ABD1090.d
Target Version: 4.12
Processing Host: V200T2

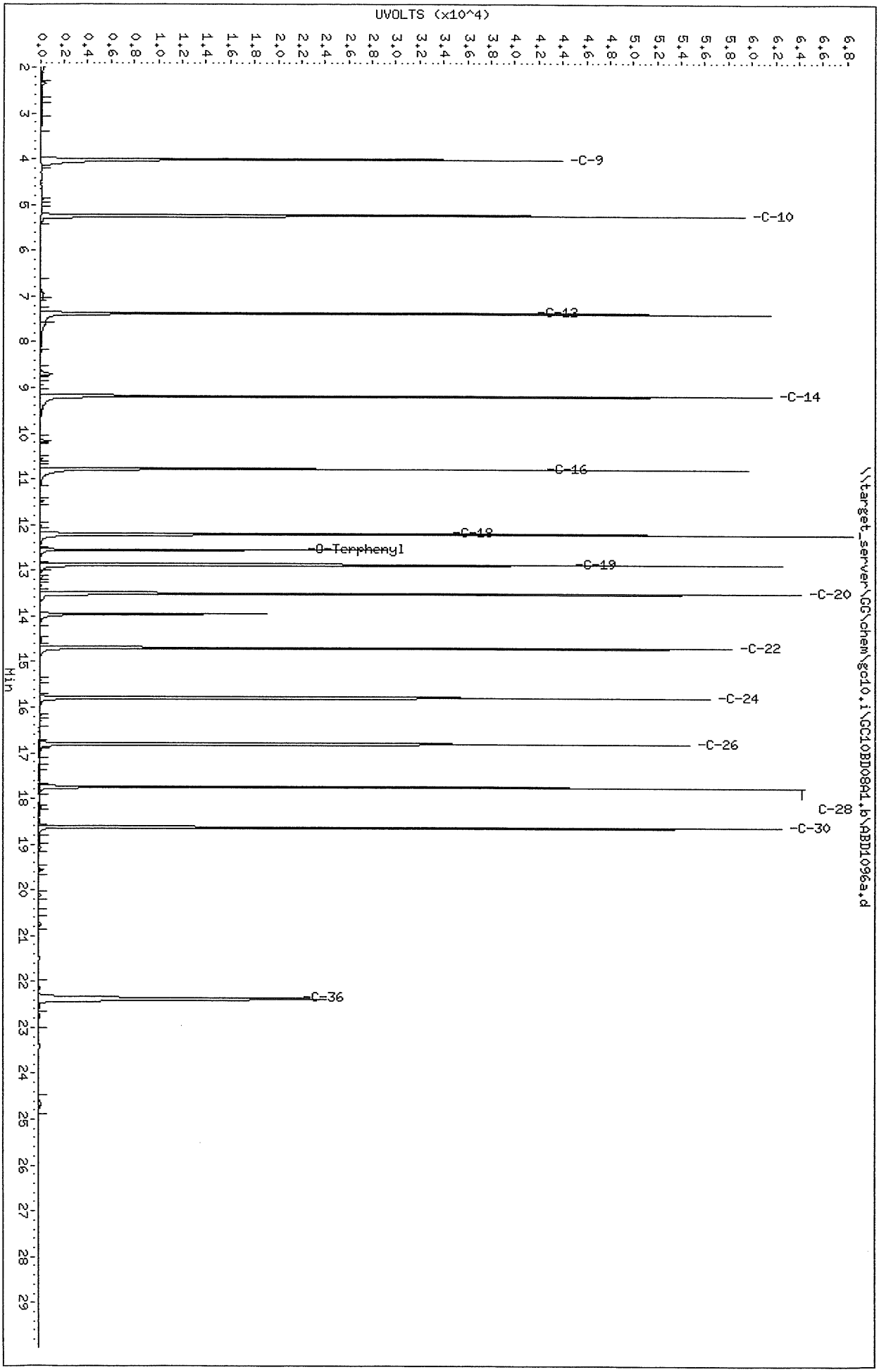
Concentration Formula: Amt * DF * (Vt/Vo)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00100	Final Volume (L)
Vo	1.000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)
M 1 TPH Peaks C9-C36				1909670	280.000	292
2 C-9	4.013	4.015	-0.002	131110	20.0000	20.0
3 C-10	5.240	5.244	-0.004	132023	20.0000	21.3
4 C-12	7.383	7.386	-0.003	125454	20.0000	20.3
5 C-14	9.189	9.196	-0.007	136733	20.0000	21.8
6 C-16	10.783	10.786	-0.003	135830	20.0000	20.3
7 C-18	12.212	12.216	-0.004	138080	20.0000	21.6
$ 8 O-Terphenyl	12.556	12.559	-0.003	61620	8.00000	7.52
9 C-19	12.877	12.880	-0.003	137554	20.0000	21.4
11 C-20	13.509	13.516	-0.007	140554	20.0000	21.7
12 C-22	14.697	14.704	-0.007	139004	20.0000	20.3
13 C-24	15.792	15.798	-0.006	143901	20.0000	22.1
14 C-26	16.806	16.811	-0.005	137787	20.0000	20.5
15 C-28	17.748	17.756	-0.008	141407	20.0000	20.2
16 C-30	18.629	18.637	-0.008	143726	20.0000	20.3
17 C-36	22.372	22.392	-0.020	126507	20.0000	19.6

Data File: \\target_server\GC\chem\gc10.i\GC10BD08A1.b\ABD1096a.d
Date : 08-APR-2008 16:13
Client ID:
Sample Info: tphA021A,M,GC10BD08A1,B,1,PHC 20UG/ML
Purge Volume: 1.0
Column phase: ZB-1

Instrument: gc10.i
Operator: JLP
Column diameter: 0.53



Data File: \\target_server\GG\chem\gc10.i\GC10BD08A1.b\ABD1097a.d
Report Date: 15-Apr-2008 13:11

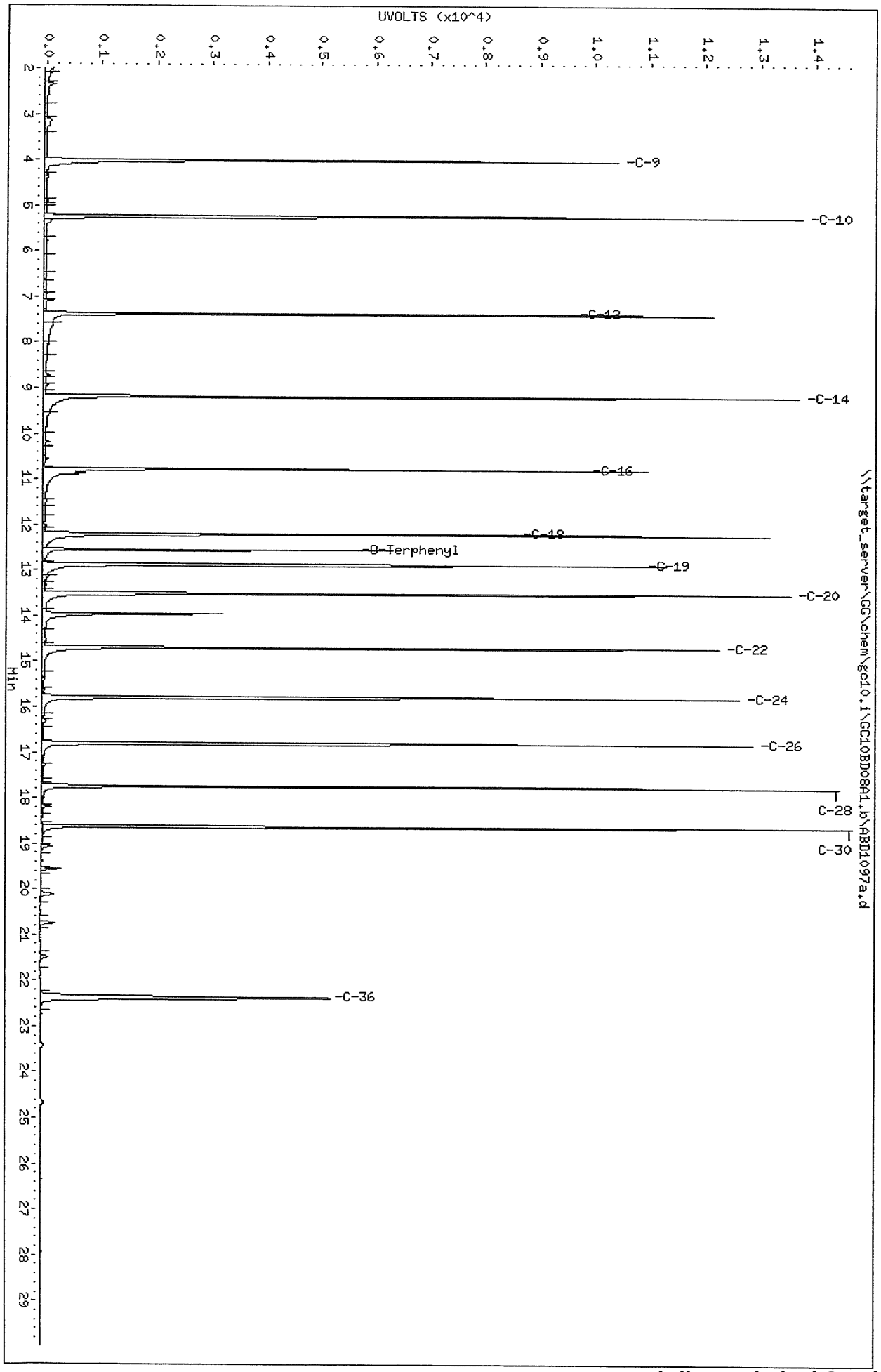
Katahdin Analytical Services

Data file : \\target_server\GG\chem\gc10.i\GC10BD08A1.b\ABD1097a.d
Lab Smp Id: PHC 5UG/ML
Inj Date : 08-APR-2008 16:51
Operator : JLP Inst ID: gc10.i
Smp Info : tphA021A.M,GC10BD08A1.B,1,PHC 5UG/ML
Misc Info : None
Comment :
Method : \\target_server\GG\chem\gc10.i\GC10BD08A1.B\tphA021A.m
Meth Date : 09-Apr-2008 13:33 jprescott Quant Type: ESTD
Cal Date : 08-APR-2008 16:51 Cal File: ABD1097a.d
Als bottle: 1 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: cv.sub
Subtraction File: \\target_server\GG\chem\gc10.i\GC10BD08A1.b\ABD1090.d
Target Version: 4.12
Processing Host: V200T2

Concentration Formula: Amt * DF * (Vt/Vo)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00100	Final Volume (L)
Vo	1.000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)
M 1 TPH Peaks C9-C36				456251	70.0000	60.0
2 C-9	4.014	4.015	-0.001	32386	5.00000	4.48
3 C-10	5.241	5.244	-0.003	31005	5.00000	4.33
4 C-12	7.382	7.386	-0.004	27211	5.00000	4.10
5 C-14	9.188	9.196	-0.008	31425	5.00000	4.30
6 C-16	10.781	10.786	-0.005	34123	5.00000	4.45
7 C-18	12.211	12.216	-0.005	33247	5.00000	4.28
$ 8 O-Terphenyl	12.554	12.559	-0.005	15561	2.00000	1.76
9 C-19	12.874	12.880	-0.006	33132	5.00000	4.22
11 C-20	13.508	13.516	-0.008	34097	5.00000	4.34
12 C-22	14.696	14.704	-0.008	34304	5.00000	4.38
13 C-24	15.790	15.798	-0.008	34078	5.00000	4.04
14 C-26	16.803	16.811	-0.008	33545	5.00000	4.09
15 C-28	17.746	17.756	-0.010	33967	5.00000	4.18
16 C-30	18.627	18.637	-0.010	34330	5.00000	4.33
17 C-36	22.367	22.392	-0.025	29401	5.00000	4.50


Data File: \\target_server\GC\chem\gc10.i\GC10BD08A1.b\ABD1097a.d
Date : 08-APR-2008 16:51
Client ID:
Sample Info: tphA021A.M,GC10BD08A1.B.1,PHC 5UG/ML
Purge Volume: 1.0
Column phase: ZB-1
Instrument: gc10.i
Operator: JLP
Column diameter: 0.53
\\target_server\GC\chem\gc10.i\GC10BD08A1.b\ABD1097a.d
UVOLTS (x10^4)
Min
-C-9
-C-10
-C-12
-C-14
-C-16
-C-18
-O-Terphenyl
-C-19
-C-20
-C-22
-C-24
-C-26
C-28
C-30
-C-36

FORM 7B
SEMIVOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 426 NLON SDG No.: CTO426-2

Instrument ID: GC10 Calibration Date: 04/08/08 Time: 1729

Lab File ID: ABD1098A Init. Calib. Date(s): 04/08/08 04/08/08

Init. Calib. Times: 1420 1651

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-10	47.982000	50.000000	6212.0000	0.01	-4.04	20.00	LINR
C-12	49.926000	50.000000	6464.1000	0.01	-0.15	20.00	LINR
C-14	48.222000	50.000000	6293.8000	0.01	-3.56	20.00	LINR
C-16	49.240000	50.000000	6451.3000	0.01	-1.52	20.00	LINR
C-18	49.344000	50.000000	6555.0000	0.01	-1.31	20.00	LINR
C-20	47.780000	50.000000	6427.0000	0.01	-4.44	20.00	LINR
C-22	49.249000	50.000000	6582.3000	0.01	-1.50	20.00	LINR
C-24	49.240000	50.000000	6594.6000	0.01	-1.52	20.00	LINR
C-26	50.386000	50.000000	6617.2000	0.01	0.77	20.00	LINR
C-28	44.499000	50.000000	5986.2000	0.01	-11.00	20.00	LINR

FORM VII DRO

Data File: \\target_server\GG\chem\gc10.i\GC10BD08A1.b\ABD1098a.d
Report Date: 15-Apr-2008 13:11

Katahdin Analytical Services

Data file : \\target_server\GG\chem\gc10.i\GC10BD08A1.b\ABD1098a.d
Lab Smp Id: PHC IND
Inj Date : 08-APR-2008 17:29
Operator : JLP Inst ID: gc10.i
Smp Info : tphA021A.M,GC10BD08A1.B,1,PHC IND
Misc Info : IND
Comment :
Method : \\TARGET_SERVER\GG\chem\gc10.i\GC10BD08A1.B\tphA021A.m
Meth Date : 09-Apr-2008 13:33 jprescott Quant Type: ESTD
Cal Date : 08-APR-2008 16:51 Cal File: ABD1097a.d
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: INDSOURCE.sub
Subtraction File: \\target_server\GG\chem\gc10.i\GC10BD08A1.b\ABD1090.d
Target Version: 4.12
Processing Host: V200T2

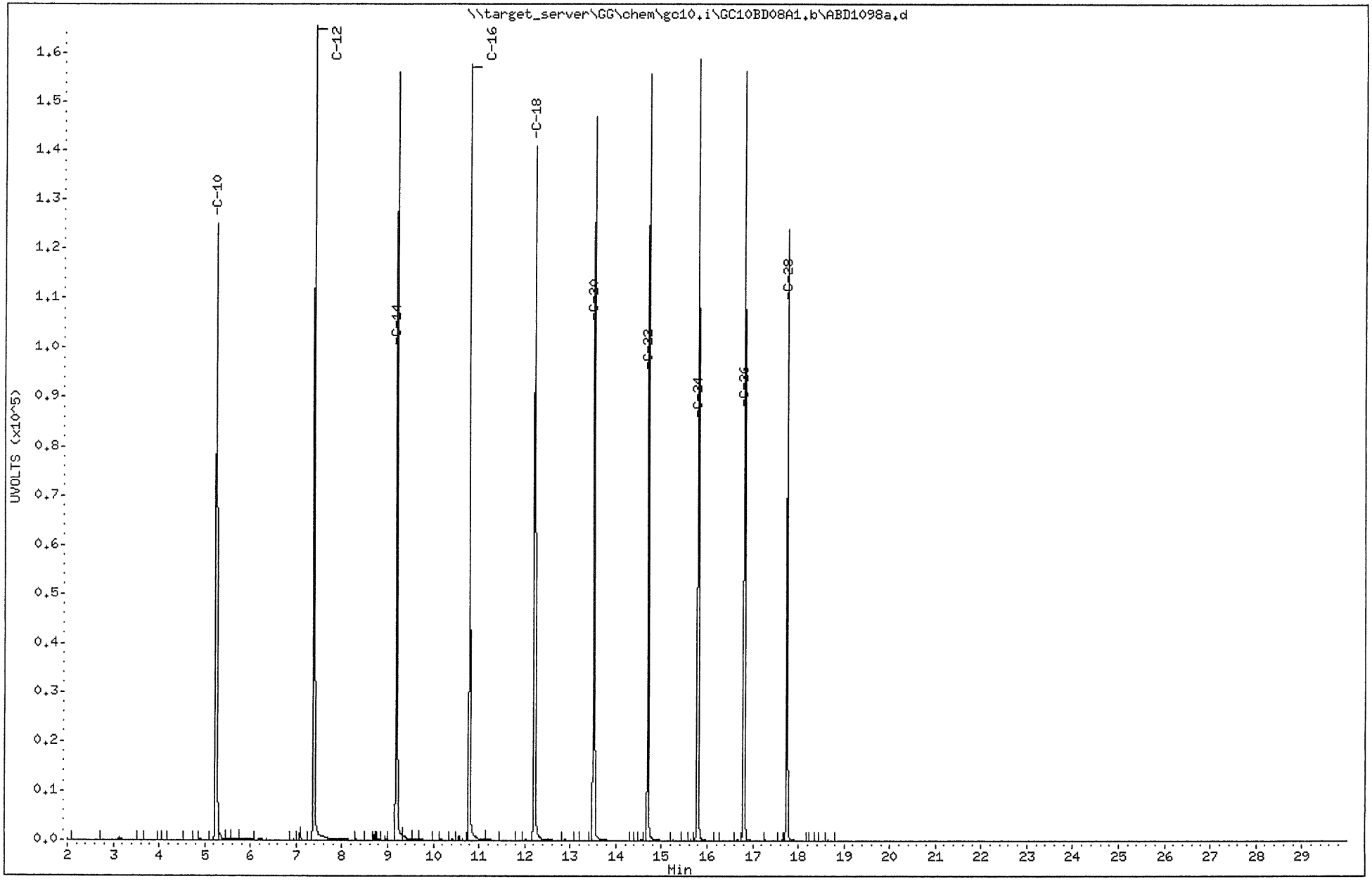
Concentration Formula: Amt * DF * (Vt/Vo)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00100	Final Volume (L)
Vo	1.000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)
3 C-10	5.244	5.244	0.000	310602	50.0000	48.0
4 C-12	7.386	7.386	0.000	323206	50.0000	49.9
5 C-14	9.197	9.196	0.001	314690	50.0000	48.2
6 C-16	10.787	10.786	0.001	322566	50.0000	49.2
7 C-18	12.217	12.216	0.001	327752	50.0000	49.3
11 C-20	13.516	13.516	0.000	321348	50.0000	47.8
12 C-22	14.704	14.704	0.000	329117	50.0000	49.2
13 C-24	15.798	15.798	0.000	329730	50.0000	49.2
14 C-26	16.812	16.811	0.001	330858	50.0000	50.4
15 C-28	17.755	17.756	-0.001	299311	50.0000	44.5

Data File: \\target_server\GG\chem\gc10.i\GC10BD08A1.b\ABD1098a.d
Date : 08-APR-2008 17:29
Client ID:
Sample Info: tphA021A.M,GC10BD08A1.B,1,PHC IND
Purge Volume: 1.0
Column phase: ZB-1

Instrument: gc10.i
Operator: JLP
Column diameter: 0.53



Katahdin Analytical Services 2000092

FORM 7B
SEMIVOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 426 NLON SDG No.: CTO426-2

Instrument ID: GC10 Calibration Date: 04/09/08 Time: 1302

Lab File ID: ABD1127 Init. Calib. Date(s): 04/08/08 04/08/08

Init. Calib. Times: 1420 1651

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
TPH Peaks C9-C36	296.66000	280.00000	7119.0000	0.01	5.95	20.00	LINR
C-9	21.166000	20.000000	6849.5000	0.01	5.83	20.00	LINR
C-10	21.195000	20.000000	6951.0000	0.01	5.98	20.00	LINR
C-12	21.770000	20.000000	7066.9000	0.01	8.85	20.00	LINR
C-14	20.948000	20.000000	6940.0000	0.01	4.74	20.00	LINR
C-16	21.284000	20.000000	7126.9000	0.01	6.42	20.00	LINR
C-18	20.829000	20.000000	7070.8000	0.01	4.14	20.00	LINR
C-19	20.906000	20.000000	7120.0000	0.01	4.53	20.00	LINR
C-20	21.297000	20.000000	7311.4000	0.01	6.48	20.00	LINR
C-22	20.872000	20.000000	7134.0000	0.01	4.36	20.00	LINR
C-24	20.923000	20.000000	7226.0000	0.01	4.62	20.00	LINR
C-26	21.117000	20.000000	7144.9000	0.01	5.58	20.00	LINR
C-28	21.075000	20.000000	7257.9000	0.01	5.38	20.00	LINR
C-30	21.011000	20.000000	7360.6000	0.01	5.06	20.00	LINR
C-36	22.270000	20.000000	7105.6000	0.01	11.35	20.00	LINR
O-Terphenyl	8.3330000	8.0000000	7861.5000	0.01	4.16	20.00	LINR

FORM VII DRO

Data File: \\target_server\GG\chem\gc10.i\GC10BD08A1.b\ABD1127.d
Report Date: 15-Apr-2008 13:17

Katahdin Analytical Services

Data file : \\target_server\GG\chem\gc10.i\GC10BD08A1.b\ABD1127.d
Lab Smp Id: PHC 20UG/ML
Inj Date : 09-APR-2008 13:02
Operator : JLP Inst ID: gc10.i
Smp Info : TPHA021A.M,GC10BD08A1.B,1,PHC 20UG/ML
Misc Info : PHC20
Comment :
Method : \\target_server\GG\chem\gc10.i\GC10BD08A1.B\TPHA021A.m
Meth Date : 09-Apr-2008 13:33 jprescott Quant Type: ESTD
Cal Date : 08-APR-2008 14:20 Cal File: ABD1093a.d
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: cv.sub
Subtraction File: \\target_server\GG\chem\gc10.i\GC10BD08A1.b\ABD1110.d
Target Version: 4.12
Processing Host: V200T2

Concentration Formula: Amt * DF * (Vt/Vo)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00100	Final Volume (L)
Vo	1.000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)
M 1 TPH Peaks C9-C36				1993310	700.000	297
2 C-9	4.015	4.015	0.000	136990	50.0000	21.2
3 C-10	5.242	5.244	-0.002	139020	50.0000	21.2
4 C-12	7.385	7.386	-0.001	141338	50.0000	21.8
5 C-14	9.194	9.196	-0.002	138800	50.0000	20.9
6 C-16	10.786	10.786	0.000	142538	50.0000	21.3
7 C-18	12.214	12.216	-0.002	141415	50.0000	20.8
$ 8 O-Terphenyl	12.560	12.559	0.001	62892	20.0000	8.33
9 C-19	12.879	12.880	-0.001	142400	50.0000	20.9
11 C-20	13.515	13.516	-0.001	146228	50.0000	21.3
12 C-22	14.703	14.704	-0.001	142680	50.0000	20.9
13 C-24	15.797	15.798	-0.001	144520	50.0000	20.9
14 C-26	16.810	16.811	-0.001	142898	50.0000	21.1
15 C-28	17.746	17.756	-0.010	145158	50.0000	21.1(M)
16 C-30	18.640	18.637	0.003	147212	50.0000	21.0(M)
17 C-36	22.387	22.392	-0.005	142113	50.0000	22.3

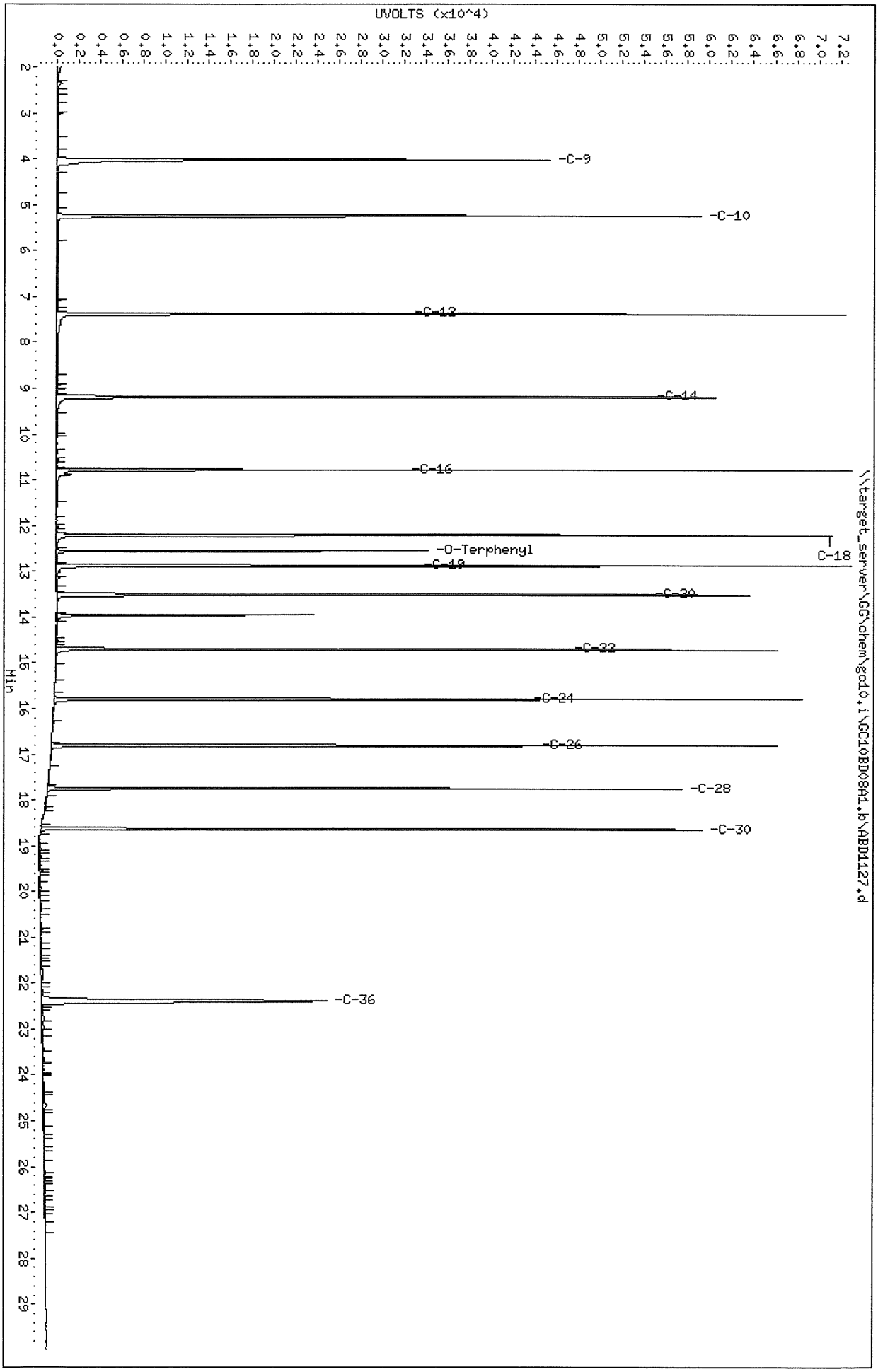
MS
JR
041508

QC Flag Legend

M - Compound response manually integrated.

Data File: \\target_server\GC\chem\gc10.i\GC10BD08A1.b\ABD1127.d
Date : 09-APR-2008 13:02
Client ID:
Sample Info: TPHA021A,H,GC10BD08A1,B,1,PHC 20UG/ML
Purge Volume: 1.0
Column phase: ZB-1

Instrument: gc10.i
Operator: JLP
Column diameter: 0.53



FORM 7B
SEMIVOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 426 NLON SDG No.: CTO426-2

Instrument ID: GC10 Calibration Date: 04/09/08 Time: 2218

Lab File ID: ABD1141 Init. Calib. Date(s): 04/08/08 04/08/08

Init. Calib. Times: 1420 1651

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
TPH Peaks C9-C36	732.75000	700.00000	6894.9000	0.01	4.68	20.00	LINR
C-9	51.732000	50.000000	6572.8000	0.01	3.46	20.00	LINR
C-10	51.828000	50.000000	6704.8000	0.01	3.66	20.00	LINR
C-12	52.937000	50.000000	6853.1000	0.01	5.87	20.00	LINR
C-14	52.337000	50.000000	6824.4000	0.01	4.67	20.00	LINR
C-16	51.264000	50.000000	6712.0000	0.01	2.53	20.00	LINR
C-18	52.161000	50.000000	6923.2000	0.01	4.32	20.00	LINR
C-19	51.997000	50.000000	6919.3000	0.01	3.99	20.00	LINR
C-20	52.013000	50.000000	6986.7000	0.01	4.03	20.00	LINR
C-22	52.518000	50.000000	7011.8000	0.01	5.04	20.00	LINR
C-24	52.899000	50.000000	7073.2000	0.01	5.80	20.00	LINR
C-26	52.360000	50.000000	6870.6000	0.01	4.72	20.00	LINR
C-28	52.969000	50.000000	7101.0000	0.01	5.94	20.00	LINR
C-30	52.414000	50.000000	7194.3000	0.01	4.83	20.00	LINR
C-36	53.324000	50.000000	6781.0000	0.01	6.65	20.00	LINR
O-Terphenyl	21.056000	20.000000	7729.5000	0.01	5.28	20.00	LINR

FORM VII DRO

Data File: \\target_server\GG\chem\gc10.i\GC10BD09A1.b\ABD1141.d
Report Date: 15-Apr-2008 13:10

Katahdin Analytical Services

Data file : \\target_server\GG\chem\gc10.i\GC10BD09A1.b\ABD1141.d
Lab Smp Id: PHC 50UG/ML
Inj Date : 09-APR-2008 22:18
Operator : JLP Inst ID: gc10.i
Smp Info : TPHA021A.M,GC10BD09A1.B,1,PHC 50UG/ML
Misc Info : PHC50
Comment :
Method : \\TARGET_SERVER\GG\chem\gc10.i\GC10BD09A1.B\TPHA021A.m
Meth Date : 14-Apr-2008 10:33 ktanguay Quant Type: ESTD
Cal Date : 08-APR-2008 16:51 Cal File: ABD1097a.d
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: cv.sub
Subtraction File: \\Target_server\GG\chem\gc10.i\GC10BD09A1.b\ABD1140.d
Target Version: 4.12
Processing Host: TARGET02

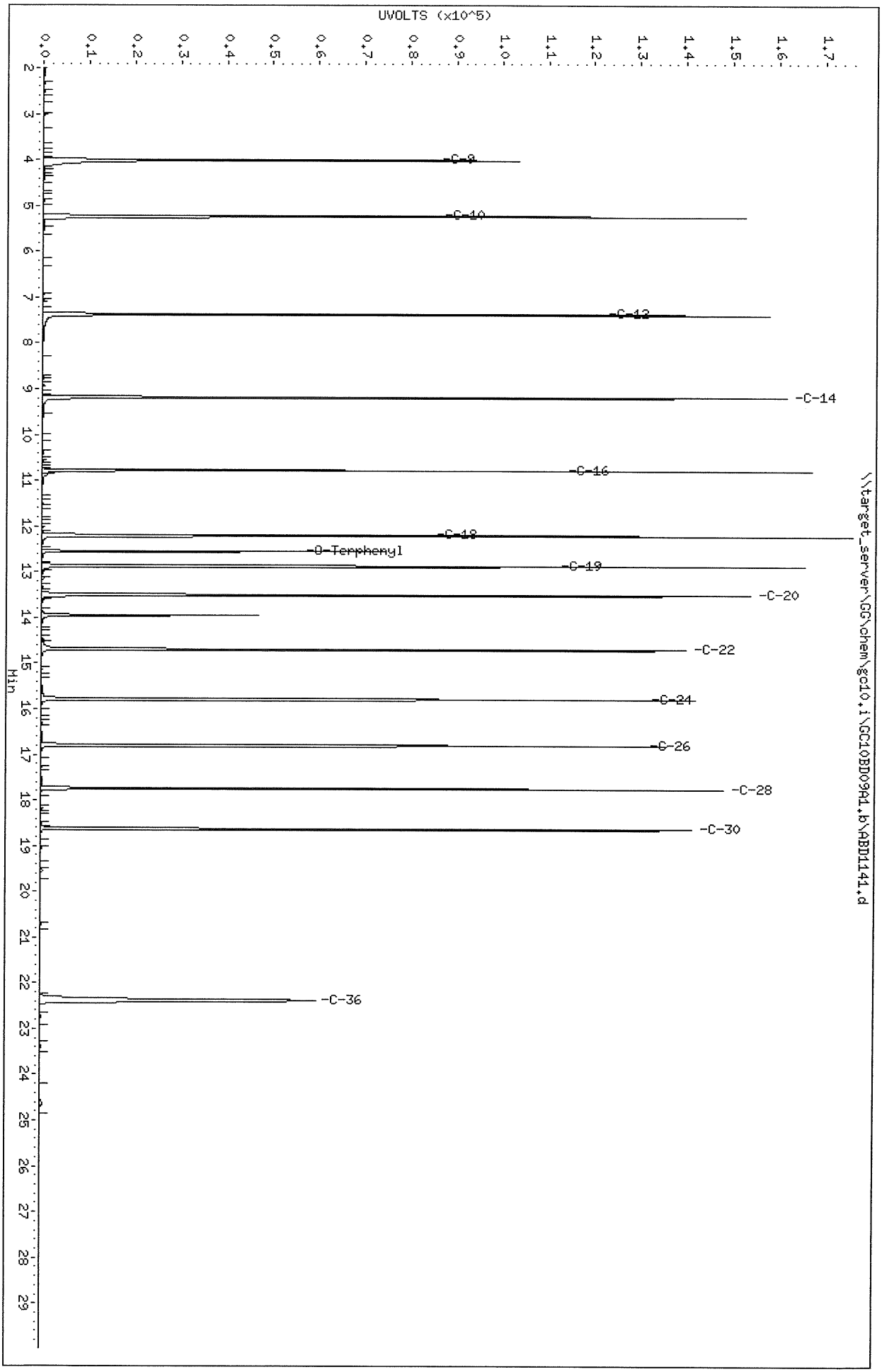
Concentration Formula: Amt * DF * (Vt/Vo)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00100	Final Volume (L)
Vo	1.000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)
M 1 TPH Peaks C9-C36				4826417	700.000	733
2 C-9	4.010	4.015	-0.005	328642	50.0000	51.7
3 C-10	5.238	5.244	-0.006	335239	50.0000	51.8
4 C-12	7.382	7.386	-0.004	342654	50.0000	52.9
5 C-14	9.189	9.196	-0.007	341222	50.0000	52.3
6 C-16	10.783	10.786	-0.003	335600	50.0000	51.3
7 C-18	12.212	12.216	-0.004	346161	50.0000	52.2
$ 8 O-Terphenyl	12.556	12.559	-0.003	154590	20.0000	21.0
9 C-19	12.877	12.880	-0.003	345966	50.0000	52.0
11 C-20	13.509	13.516	-0.007	349337	50.0000	52.0
12 C-22	14.698	14.704	-0.006	350592	50.0000	52.5
13 C-24	15.794	15.798	-0.004	353659	50.0000	52.9
14 C-26	16.807	16.811	-0.004	343532	50.0000	52.4
15 C-28	17.749	17.756	-0.007	355049	50.0000	53.0
16 C-30	18.631	18.637	-0.006	359715	50.0000	52.4
17 C-36	22.380	22.392	-0.012	339049	50.0000	53.3

Data File: \\target_server\GC\chem\gc10.i\GC10BD09A1.b\ABD1141.d
Date : 09-APR-2008 22:18
Client ID:
Sample Info: TPHA021A.M,GC10BD09A1.B,1.PHC 50UG/HL
Purge Volume: 1.0
Column phase: ZB-1

Instrument: gc10.i
Operator: JLP
Column diameter: 0.53



FORM 7B
SEMIVOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 426 NLON SDG No.: CTO426-2

Instrument ID: GC10 Calibration Date: 04/10/08 Time: 0524

Lab File ID: ABD1152 Init. Calib. Date(s): 04/08/08 04/08/08

Init. Calib. Times: 1420 1651

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
TPH Peaks C9-C36	283.82000	280.00000	6819.8000	0.01	1.36	20.00	LINR
C-9	20.278000	20.000000	6571.0000	0.01	1.39	20.00	LINR
C-10	20.255000	20.000000	6649.9000	0.01	1.28	20.00	LINR
C-12	20.792000	20.000000	6751.0000	0.01	3.96	20.00	LINR
C-14	20.824000	20.000000	6900.0000	0.01	4.12	20.00	LINR
C-16	19.327000	20.000000	6496.8000	0.01	-3.36	20.00	LINR
C-18	20.336000	20.000000	6909.8000	0.01	1.68	20.00	LINR
C-19	20.378000	20.000000	6947.2000	0.01	1.89	20.00	LINR
C-20	20.491000	20.000000	7044.8000	0.01	2.46	20.00	LINR
C-22	20.529000	20.000000	7021.2000	0.01	2.64	20.00	LINR
C-24	20.386000	20.000000	7050.4000	0.01	1.93	20.00	LINR
C-26	20.503000	20.000000	6947.5000	0.01	2.52	20.00	LINR
C-28	20.613000	20.000000	7106.1000	0.01	3.06	20.00	LINR
C-30	18.150000	20.000000	6392.8000	0.01	-9.25	20.00	LINR
C-36	20.953000	20.000000	6688.2000	0.01	4.76	20.00	LINR
O-Terphenyl	8.2625000	8.0000000	7798.0000	0.01	3.28	20.00	LINR

FORM VII DRO

Data File: \\target_server\GG\chem\gc10.i\GC10BD09A1.b\ABD1152.d
Report Date: 15-Apr-2008 13:10

Katahdin Analytical Services

Data file : \\target_server\GG\chem\gc10.i\GC10BD09A1.b\ABD1152.d
Lab Smp Id: PHC 20UG/ML
Inj Date : 10-APR-2008 05:24
Operator : JLP Inst ID: gc10.i
Smp Info : TPHA021A.M,GC10BD09A1.B,1,PHC 20UG/ML
Misc Info : PHC20
Comment :
Method : \\TARGET_SERVER\GG\chem\gc10.i\GC10BD09A1.B\TPHA021A.m
Meth Date : 14-Apr-2008 10:33 ktanguay Quant Type: ESTD
Cal Date : 08-APR-2008 16:51 Cal File: ABD1097a.d
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: cv.sub
Subtraction File: \\Target_server\GG\chem\gc10.i\GC10BD09A1.b\ABD1150.d
Target Version: 4.12
Processing Host: TARGET02

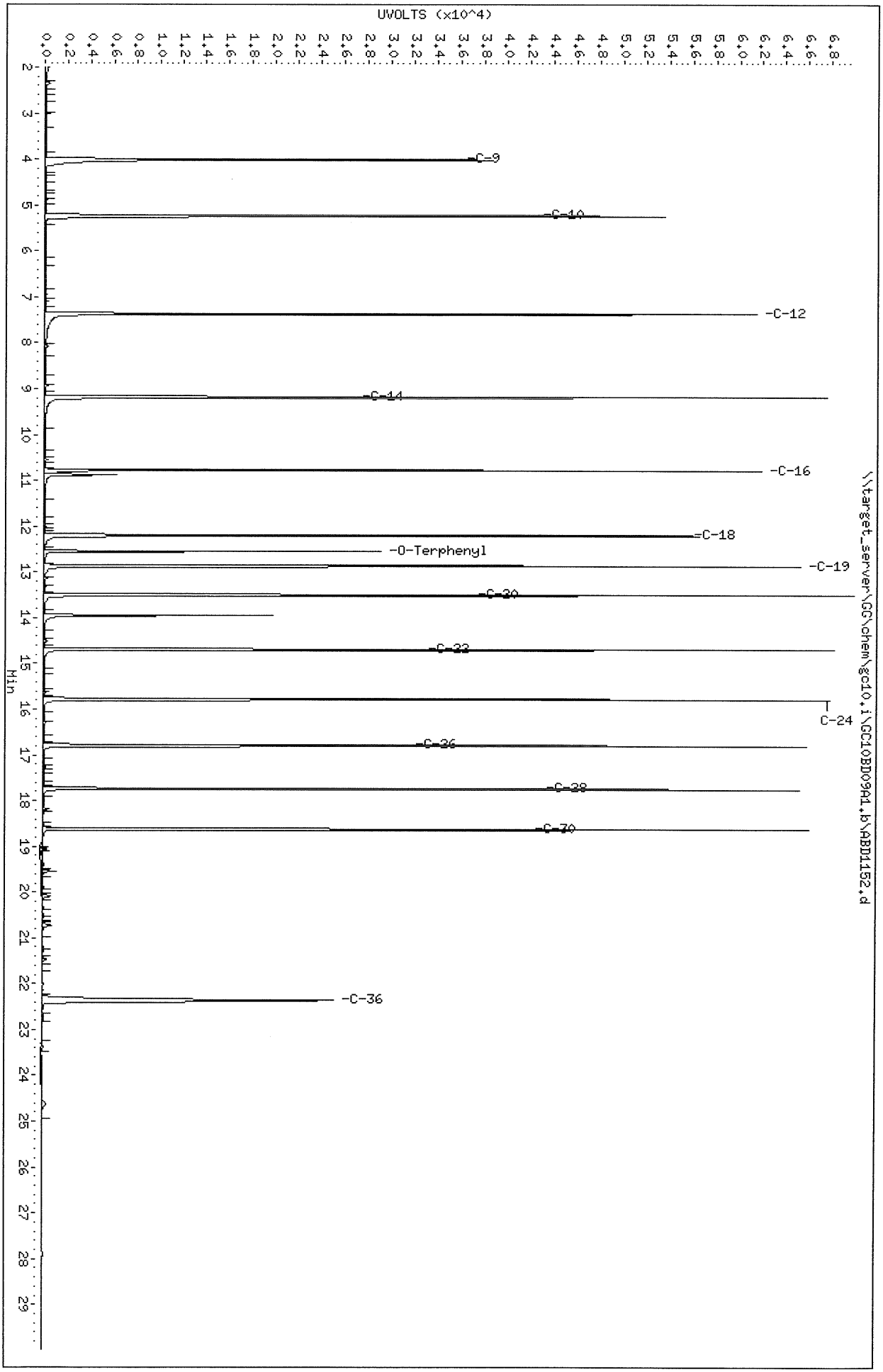
Concentration Formula: Amt * DF * (Vt/Vo)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00100	Final Volume (L)
Vo	1.000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)
M 1 TPH Peaks C9-C36				1909533	700.000	284
2 C-9	4.008	4.015	-0.007	131419	50.0000	20.3
3 C-10	5.236	5.244	-0.008	132998	50.0000	20.2
4 C-12	7.375	7.386	-0.011	135020	50.0000	20.8
5 C-14	9.186	9.196	-0.010	138001	50.0000	20.8
6 C-16	10.776	10.786	-0.010	129936	50.0000	19.3
7 C-18	12.206	12.216	-0.010	138196	50.0000	20.3
$ 8 O-Terphenyl	12.550	12.559	-0.009	62384	20.0000	8.26
9 C-19	12.869	12.880	-0.011	138943	50.0000	20.4
11 C-20	13.505	13.516	-0.011	140897	50.0000	20.5
12 C-22	14.692	14.704	-0.012	140425	50.0000	20.5
13 C-24	15.786	15.798	-0.012	141008	50.0000	20.4
14 C-26	16.799	16.811	-0.012	138950	50.0000	20.5
15 C-28	17.744	17.756	-0.012	142122	50.0000	20.6
16 C-30	18.624	18.637	-0.013	127855	50.0000	18.2
17 C-36	22.360	22.392	-0.032	133763	50.0000	21.0

Data File: \\target_server\GC\chem\gc10,i\GC10BD09A1,b\ABD1152,d
Date : 10-APR-2008 05:24
Client ID:
Sample Info: TPHA021A,M,GC10BD09A1,B,1,PHC 20UG/ML
Purge Volume: 1.0
Column phase: ZB-1

Instrument: gc10,i
Operator: JLP
Column diameter: 0.53



FORM 7B
SEMIVOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 426 NLON SDG No.: CTO426-2

Instrument ID: GC10 Calibration Date: 04/11/08 Time: 1142

Lab File ID: ABD1179 Init. Calib. Date(s): 04/08/08 04/08/08

Init. Calib. Times: 1420 1651

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
TPH Peaks C9-C36	286.69000	280.00000	6888.4000	0.01	2.39	20.00	LINR
C-9	20.552000	20.000000	6656.8000	0.01	2.76	20.00	LINR
C-10	20.156000	20.000000	6618.3000	0.01	0.78	20.00	LINR
C-12	20.506000	20.000000	6658.6000	0.01	2.53	20.00	LINR
C-14	20.396000	20.000000	6762.2000	0.01	1.98	20.00	LINR
C-16	20.517000	20.000000	6880.0000	0.01	2.58	20.00	LINR
C-18	20.478000	20.000000	6956.2000	0.01	2.39	20.00	LINR
C-19	20.522000	20.000000	6994.1000	0.01	2.61	20.00	LINR
C-20	20.552000	20.000000	7065.1000	0.01	2.76	20.00	LINR
C-22	20.514000	20.000000	7016.1000	0.01	2.57	20.00	LINR
C-24	20.261000	20.000000	7009.4000	0.01	1.30	20.00	LINR
C-26	20.432000	20.000000	6925.0000	0.01	2.16	20.00	LINR
C-28	20.684000	20.000000	7129.4000	0.01	3.42	20.00	LINR
C-30	20.318000	20.000000	7126.2000	0.01	1.59	20.00	LINR
C-36	20.803000	20.000000	6640.4000	0.01	4.02	20.00	LINR
O-Terphenyl	8.1741000	8.0000000	7718.4000	0.01	2.18	20.00	LINR

FORM VII DRO

Data File: \\target_server\GG\chem\gc10.i\GC10BD09A1.b\ABD1179.d
Report Date: 15-Apr-2008 13:10

Katahdin Analytical Services

Data file : \\target_server\GG\chem\gc10.i\GC10BD09A1.b\ABD1179.d
Lab Smp Id: PHC 20UG/ML
Inj Date : 11-APR-2008 11:42
Operator : KGT Inst ID: gc10.i
Smp Info : TPHA021A.M,GC10BD09A1.B,1,PHC 20UG/ML
Misc Info : None
Comment :
Method : \\TARGET_SERVER\GG\chem\gc10.i\GC10BD09A1.B\TPHA021A.m
Meth Date : 14-Apr-2008 10:33 ktanguay Quant Type: ESTD
Cal Date : 08-APR-2008 16:51 Cal File: ABD1097a.d
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: cv.sub
Subtraction File: \\Target_server\GG\chem\gc10.i\GC10BD09A1.b\ABD1178.d
Target Version: 4.12
Processing Host: TARGET02

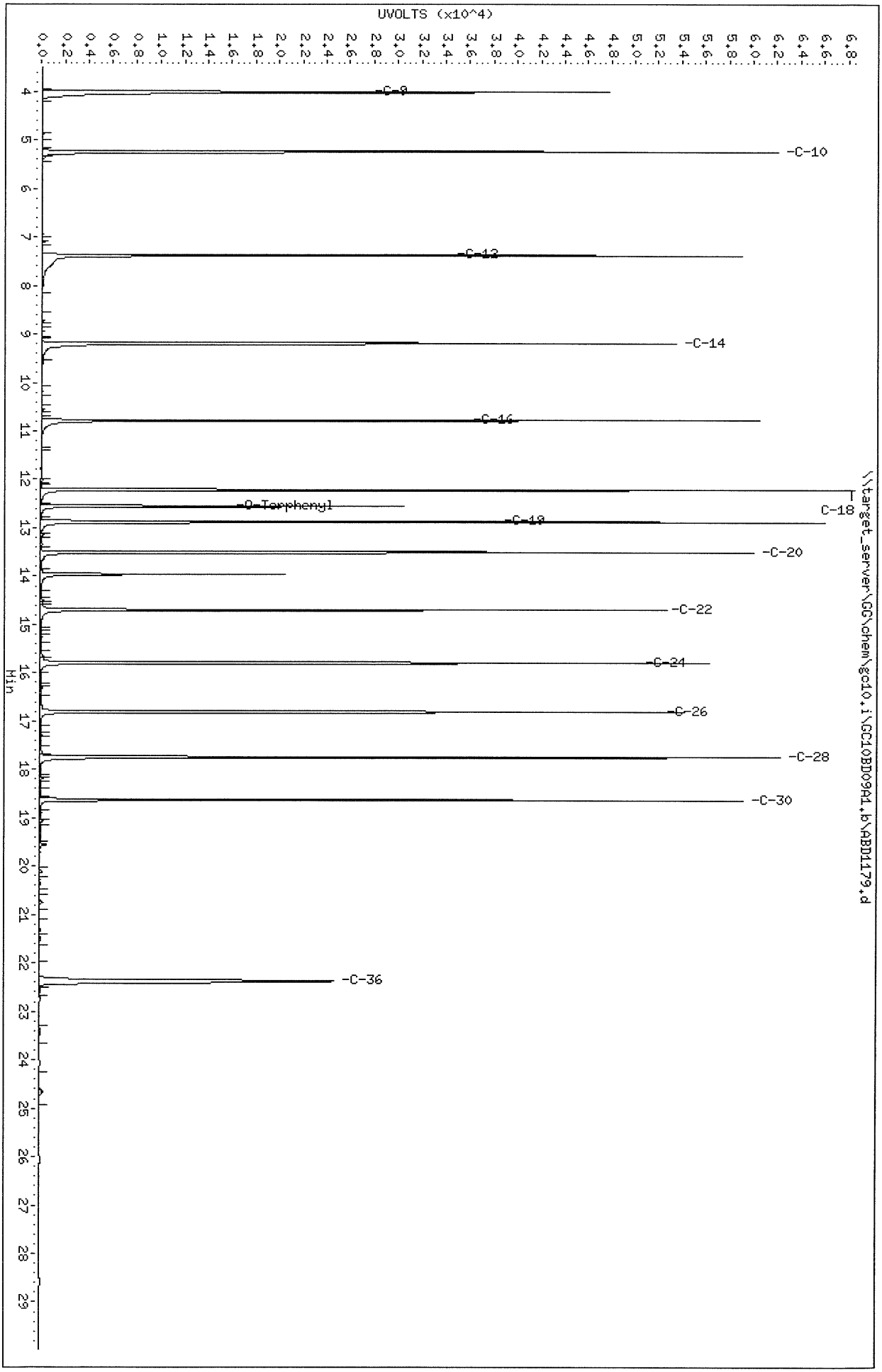
Concentration Formula: Amt * DF * (Vt/Vo)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00100	Final Volume (L)
Vo	1.000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)
M 1 TPH Peaks C9-C36				1928756	700.000	287
2 C-9	4.012	4.015	-0.003	133137	50.0000	20.6
3 C-10	5.240	5.244	-0.004	132366	50.0000	20.2
4 C-12	7.384	7.386	-0.002	133173	50.0000	20.5
5 C-14	9.191	9.196	-0.005	135244	50.0000	20.4
6 C-16	10.785	10.786	-0.001	137599	50.0000	20.5
7 C-18	12.213	12.216	-0.003	139123	50.0000	20.5
$ 8 O-Terphenyl	12.558	12.559	-0.001	61747	20.0000	8.17
9 C-19	12.878	12.880	-0.002	139882	50.0000	20.5
11 C-20	13.510	13.516	-0.006	141302	50.0000	20.6
12 C-22	14.700	14.704	-0.004	140322	50.0000	20.5
13 C-24	15.794	15.798	-0.004	140189	50.0000	20.3
14 C-26	16.807	16.811	-0.004	138499	50.0000	20.4
15 C-28	17.749	17.756	-0.007	142587	50.0000	20.7
16 C-30	18.630	18.637	-0.007	142524	50.0000	20.3
17 C-36	22.379	22.392	-0.013	132809	50.0000	20.8

Data File: \\target_server\GC\chem\gc10.i\GC10BD09A1.b\ABD1179.d
Date : 11-APR-2008 11:42
Client ID:
Sample Info: TPHA021A,M,GC10BD09A1,B,1,PHC 20UG/HL
Purge Volume: 1.0
Column phase: ZB-1

Instrument: gc10.i
Operator: KGT
Column diameter: 0.53



FORM 7B
SEMIVOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 426 NLON SDG No.: CTO426-2

Instrument ID: GC10 Calibration Date: 04/11/08 Time: 2310

Lab File ID: ABD1193 Init. Calib. Date(s): 04/08/08 04/08/08

Init. Calib. Times: 1420 1651

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
TPH Peaks C9-C36	693.73000	700.00000	6532.0000	0.01	-0.90	20.00	LINR
C-9	50.230000	50.000000	6384.5000	0.01	0.46	20.00	LINR
C-10	49.589000	50.000000	6418.0000	0.01	-0.82	20.00	LINR
C-12	50.988000	50.000000	6601.2000	0.01	1.98	20.00	LINR
C-14	50.221000	50.000000	6551.5000	0.01	0.44	20.00	LINR
C-16	50.166000	50.000000	6570.5000	0.01	0.33	20.00	LINR
C-18	49.848000	50.000000	6621.0000	0.01	-0.30	20.00	LINR
C-19	49.621000	50.000000	6608.1000	0.01	-0.76	20.00	LINR
C-20	49.442000	50.000000	6646.7000	0.01	-1.12	20.00	LINR
C-22	50.371000	50.000000	6729.8000	0.01	0.74	20.00	LINR
C-24	48.166000	50.000000	6454.1000	0.01	-3.67	20.00	LINR
C-26	48.710000	50.000000	6401.9000	0.01	-2.58	20.00	LINR
C-28	48.762000	50.000000	6547.2000	0.01	-2.48	20.00	LINR
C-30	48.707000	50.000000	6692.6000	0.01	-2.59	20.00	LINR
C-36	48.910000	50.000000	6221.1000	0.01	-2.18	20.00	LINR
O-Terphenyl	19.978000	20.000000	7341.0000	0.01	-0.11	20.00	LINR

FORM VII DRO

Data File: \\target_server\GG\chem\gc10.i\GC10BD09A1.b\ABD1193.d
Report Date: 15-Apr-2008 13:10

Katahdin Analytical Services

Data file : \\target_server\GG\chem\gc10.i\GC10BD09A1.b\ABD1193.d
Lab Smp Id: PHC 50UG/ML
Inj Date : 11-APR-2008 23:10
Operator : KGT Inst ID: gc10.i
Smp Info : TPHA021A.M,GC10BD09A1.B,1,PHC 50UG/ML
Misc Info : None
Comment :
Method : \\TARGET_SERVER\GG\chem\gc10.i\GC10BD09A1.B\TPHA021A.m
Meth Date : 14-Apr-2008 10:33 ktanguay Quant Type: ESTD
Cal Date : 08-APR-2008 16:51 Cal File: ABD1097a.d
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: cv.sub
Subtraction File: \\Target_server\GG\chem\gc10.i\GC10BD09A1.b\ABD1178.d
Target Version: 4.12
Processing Host: TARGET02

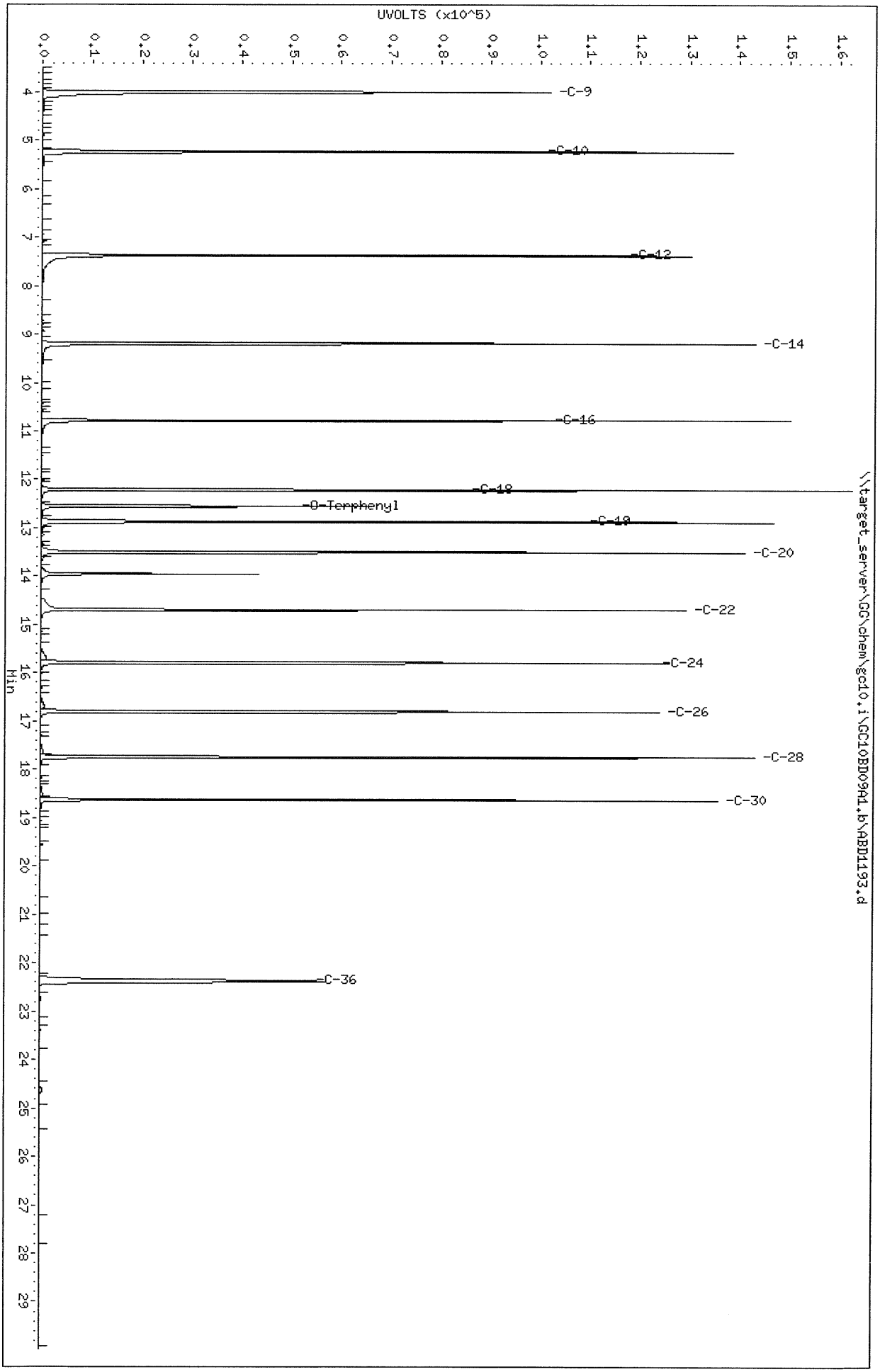
Concentration Formula: Amt * DF * (Vt/Vo)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00100	Final Volume (L)
Vo	1.000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)
M 1 TPH Peaks C9-C36				4572424	700.000	694
2 C-9	4.005	4.015	-0.010	319225	50.0000	50.2
3 C-10	5.237	5.244	-0.007	320899	50.0000	49.6
4 C-12	7.381	7.386	-0.005	330062	50.0000	51.0
5 C-14	9.189	9.196	-0.007	327577	50.0000	50.2
6 C-16	10.783	10.786	-0.003	328526	50.0000	50.2
7 C-18	12.212	12.216	-0.004	331051	50.0000	49.8
$ 8 O-Terphenyl	12.556	12.559	-0.003	146819	20.0000	20.0
9 C-19	12.876	12.880	-0.004	330405	50.0000	49.6
11 C-20	13.509	13.516	-0.007	332337	50.0000	49.4
12 C-22	14.697	14.704	-0.007	336489	50.0000	50.4
13 C-24	15.793	15.798	-0.005	322707	50.0000	48.2
14 C-26	16.806	16.811	-0.005	320096	50.0000	48.7
15 C-28	17.748	17.756	-0.008	327362	50.0000	48.8
16 C-30	18.630	18.637	-0.007	334631	50.0000	48.7
17 C-36	22.382	22.392	-0.010	311057	50.0000	48.9

Data File: \\target_server\GC\chem\gc10.i\GC10BD09A1.b\ABD1193.d
Date : 11-APR-2008 23:10
Client ID:
Sample Info: TPHA021A.M,GC10BD09A1.B.1,PHC 50UG/ML
Purge Volume: 1.0
Column phase: ZB-1

Instrument: gc10.i
Operator: KGT
Column diameter: 0.53



FORM 7B
SEMIVOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 426 NLON SDG No.: CTO426-2

Instrument ID: GC10 Calibration Date: 04/12/08 Time: 0812

Lab File ID: ABD1207 Init. Calib. Date(s): 04/08/08 04/08/08

Init. Calib. Times: 1420 1651

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
TPH Peaks C9-C36	700.61000	700.00000	6596.8000	0.01	0.09	20.00	LINR
C-9	50.992000	50.000000	6480.1000	0.01	1.98	20.00	LINR
C-10	50.508000	50.000000	6535.7000	0.01	1.02	20.00	LINR
C-12	51.937000	50.000000	6723.8000	0.01	3.87	20.00	LINR
C-14	51.121000	50.000000	6667.7000	0.01	2.24	20.00	LINR
C-16	50.920000	50.000000	6667.8000	0.01	1.84	20.00	LINR
C-18	50.830000	50.000000	6749.3000	0.01	1.66	20.00	LINR
C-19	50.974000	50.000000	6785.3000	0.01	1.95	20.00	LINR
C-20	50.487000	50.000000	6784.9000	0.01	0.97	20.00	LINR
C-22	51.173000	50.000000	6835.1000	0.01	2.35	20.00	LINR
C-24	49.017000	50.000000	6565.4000	0.01	-1.97	20.00	LINR
C-26	49.506000	50.000000	6504.1000	0.01	-0.99	20.00	LINR
C-28	49.527000	50.000000	6648.0000	0.01	-0.95	20.00	LINR
C-30	48.882000	50.000000	6716.4000	0.01	-2.24	20.00	LINR
C-36	44.734000	50.000000	5691.4000	0.01	-10.53	20.00	LINR
O-Terphenyl	20.403000	20.000000	7494.4000	0.01	2.02	20.00	LINR

FORM VII DRO

Data File: \\target_server\GG\chem\gc10.i\GC10BD09A1.b\ABD1207.d
Report Date: 15-Apr-2008 13:11

Katahdin Analytical Services

Data file : \\target_server\GG\chem\gc10.i\GC10BD09A1.b\ABD1207.d
Lab Smp Id: PHC 50UG/ML
Inj Date : 12-APR-2008 08:12
Operator : KGT Inst ID: gc10.i
Smp Info : TPHA021A.M,GC10BD09A1.B,1,PHC 50UG/ML
Misc Info : PHC50
Comment :
Method : \\TARGET_SERVER\GG\chem\gc10.i\GC10BD09A1.B\TPHA021A.m
Meth Date : 14-Apr-2008 10:33 ktanguay Quant Type: ESTD
Cal Date : 08-APR-2008 16:51 Cal File: ABD1097a.d
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: cv.sub
Subtraction File: \\Target_server\GG\chem\gc10.i\GC10BD09A1.b\ABD1205.d
Target Version: 4.12
Processing Host: TARGET02

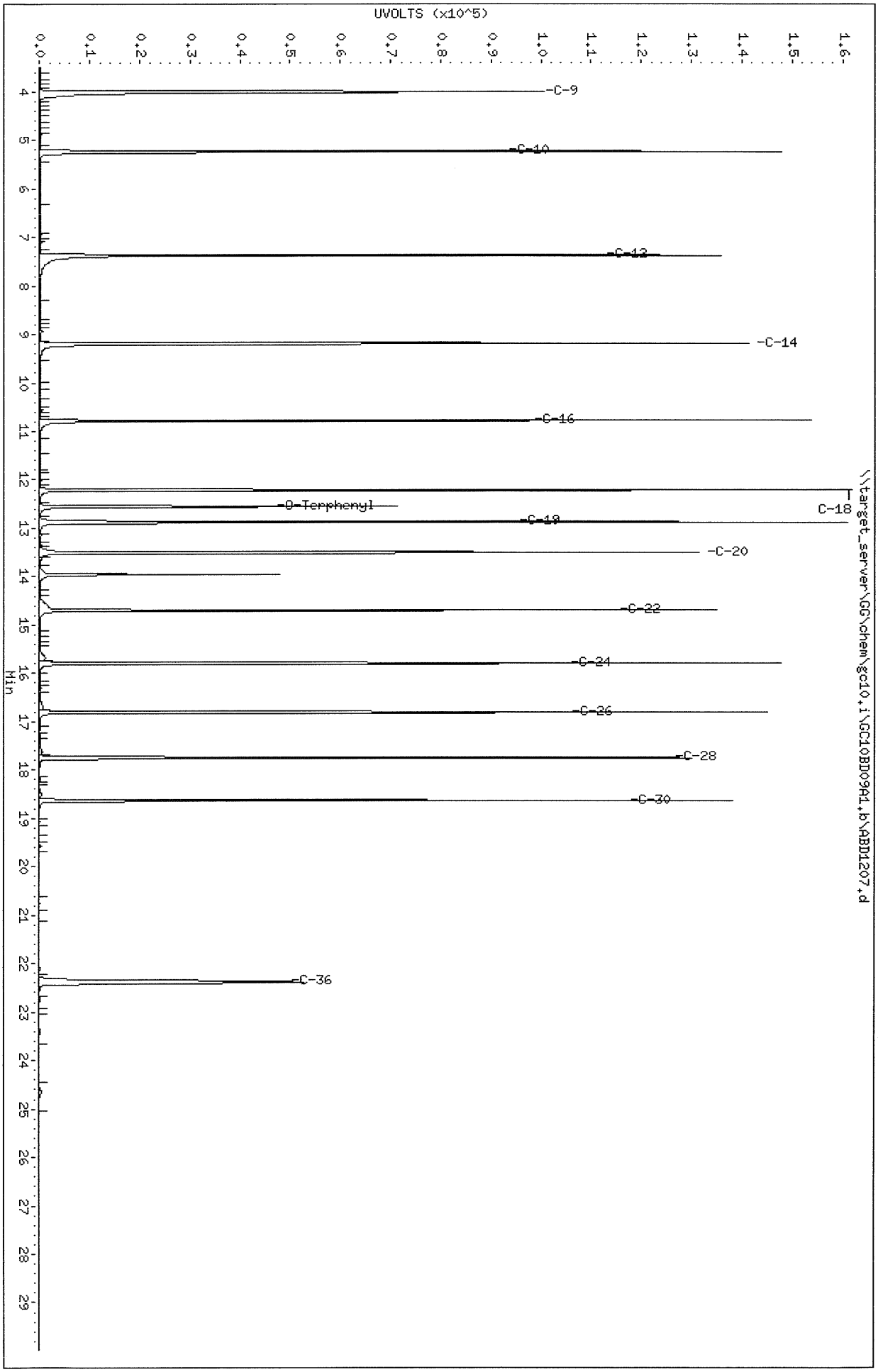
Concentration Formula: Amt * DF * (Vt/Vo)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00100	Final Volume (L)
Vo	1.000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)
M 1 TPH Peaks C9-C36				4617750	700.000	701
2 C-9	4.006	4.015	-0.009	324004	50.0000	51.0
3 C-10	5.238	5.244	-0.006	326787	50.0000	50.5
4 C-12	7.382	7.386	-0.004	336192	50.0000	51.9
5 C-14	9.190	9.196	-0.006	333384	50.0000	51.1
6 C-16	10.784	10.786	-0.002	333388	50.0000	50.9
7 C-18	12.213	12.216	-0.003	337464	50.0000	50.8
$ 8 O-Terphenyl	12.557	12.559	-0.002	149887	20.0000	20.4
9 C-19	12.878	12.880	-0.002	339264	50.0000	51.0
11 C-20	13.512	13.516	-0.004	339245	50.0000	50.5
12 C-22	14.702	14.704	-0.002	341757	50.0000	51.2
13 C-24	15.797	15.798	-0.001	328269	50.0000	49.0
14 C-26	16.810	16.811	-0.001	325205	50.0000	49.5
15 C-28	17.753	17.756	-0.003	332402	50.0000	49.5
16 C-30	18.635	18.637	-0.002	335818	50.0000	48.9
17 C-36	22.384	22.392	-0.008	284571	50.0000	44.7

Data File: \\target_server\GC\chem\gc10.i\GC10BD09A1.b\ABD1207.d
Date : 12-APR-2008 08:12
Client ID:
Sample Info: TPHA021A,M,GC10BD09A1,B.1,PHC 50UG/ML
Purge Volume: 1.0
Column phase: ZB-1

Instrument: gc10.i
Operator: KGT
Column diameter: 0.53



FORM 7B
SEMIVOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 426 NLON SDG No.: CTO426-2

Instrument ID: GC10 Calibration Date: 04/14/08 Time: 1315

Lab File ID: ABD1210 Init. Calib. Date(s): 04/08/08 04/08/08

Init. Calib. Times: 1420 1651

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
TPH Peaks C9-C36	283.41000	280.00000	6812.0000	0.01	1.22	20.00	LINR
C-9	20.527000	20.000000	6649.0000	0.01	2.64	20.00	LINR
C-10	20.302000	20.000000	6664.9000	0.01	1.51	20.00	LINR
C-12	20.303000	20.000000	6593.0000	0.01	1.52	20.00	LINR
C-14	20.482000	20.000000	6790.0000	0.01	2.41	20.00	LINR
C-16	20.179000	20.000000	6771.2000	0.01	0.90	20.00	LINR
C-18	20.284000	20.000000	6892.6000	0.01	1.42	20.00	LINR
C-19	20.360000	20.000000	6941.2000	0.01	1.80	20.00	LINR
C-20	20.356000	20.000000	7000.2000	0.01	1.78	20.00	LINR
C-22	20.291000	20.000000	6943.0000	0.01	1.46	20.00	LINR
C-24	20.142000	20.000000	6970.7000	0.01	0.71	20.00	LINR
C-26	19.878000	20.000000	6746.8000	0.01	-0.61	20.00	LINR
C-28	19.826000	20.000000	6847.2000	0.01	-0.87	20.00	LINR
C-30	19.972000	20.000000	7009.0000	0.01	-0.14	20.00	LINR
C-36	20.513000	20.000000	6548.4000	0.01	2.56	20.00	LINR
O-Terphenyl	8.0802000	8.0000000	7633.8000	0.01	1.00	20.00	LINR

FORM VII DRO

Data File: \\target_server\GG\chem\gc10.i\GC10BD14A1.b\ABD1210.d
Report Date: 15-Apr-2008 13:11

Katahdin Analytical Services

Data file : \\target_server\GG\chem\gc10.i\GC10BD14A1.b\ABD1210.d
Lab Smp Id: PHC 20UG/ML
Inj Date : 14-APR-2008 13:15
Operator : KGT Inst ID: gc10.i
Smp Info : TPHA021A.M,GC10BD14A1.B,1,PHC 20UG/ML
Misc Info : PHC20
Comment :
Method : \\TARGET_SERVER\GG\chem\gc10.i\GC10BD14A1.B\TPHA021A.m
Meth Date : 15-Apr-2008 10:39 jprescott Quant Type: ESTD
Cal Date : 08-APR-2008 16:51 Cal File: ABD1097a.d
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: cv.sub
Subtraction File: \\Target_server\GG\chem\gc10.i\GC10BD14A1.b\ABD1209.d
Target Version: 4.12
Processing Host: TARGET02

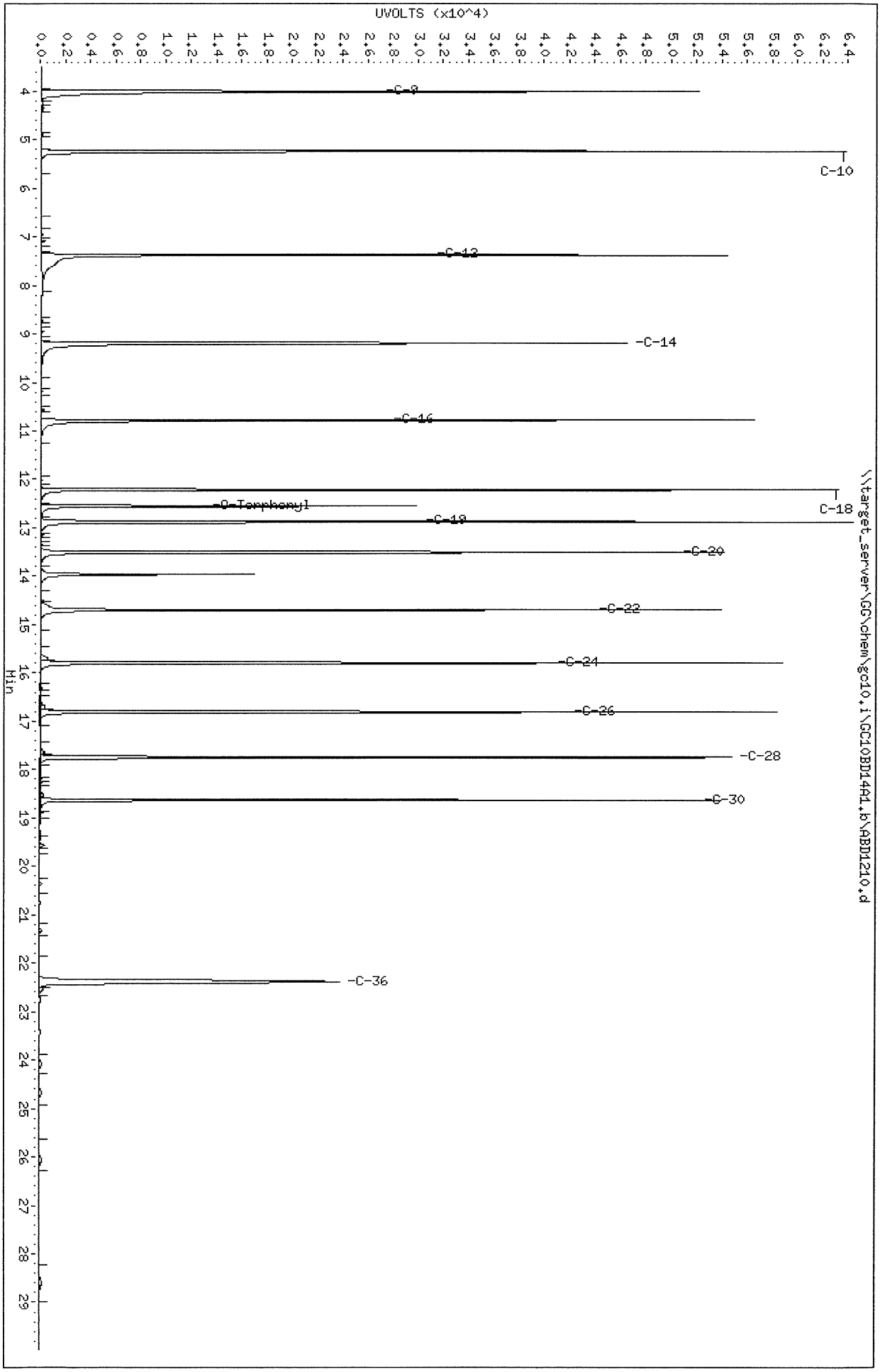
Concentration Formula: Amt * DF * (Vt/Vo)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00100	Final Volume (L)
Vo	1.000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)
M 1 TPH Peaks C9-C36				1907346	700.000	283
2 C-9	4.013	4.015	-0.002	132981	50.0000	20.5
3 C-10	5.240	5.244	-0.004	133298	50.0000	20.3
4 C-12	7.384	7.386	-0.002	131860	50.0000	20.3
5 C-14	9.192	9.196	-0.004	135800	50.0000	20.5
6 C-16	10.786	10.786	0.000	135425	50.0000	20.2
7 C-18	12.214	12.216	-0.002	137853	50.0000	20.3
$ 8 O-Terphenyl	12.559	12.559	0.000	61070	20.0000	8.08
9 C-19	12.879	12.880	-0.001	138825	50.0000	20.4
11 C-20	13.514	13.516	-0.002	140003	50.0000	20.4
12 C-22	14.702	14.704	-0.002	138859	50.0000	20.3
13 C-24	15.797	15.798	-0.001	139414	50.0000	20.1
14 C-26	16.810	16.811	-0.001	134935	50.0000	19.9
15 C-28	17.752	17.756	-0.004	136943	50.0000	19.8
16 C-30	18.633	18.637	-0.004	140181	50.0000	20.0
17 C-36	22.387	22.392	-0.005	130969	50.0000	20.5

Data File: \\target_server\GC\chem\gc10.i\GC10BD14A1.b\ABD1210.d
Date : 14-APR-2008 13:15
Client ID:
Sample Info: TPHA021A,M,GC10BD14A1,B,1,PHC 20UG/ML
Purge Volume: 1.0
Column phase: ZB-1

Instrument: gc10.i
Operator: KGT
Column diameter: 0.53



FORM 7B
SEMIVOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 426 NLON SDG No.: CTO426-2

Instrument ID: GC10 Calibration Date: 04/14/08 Time: 2325

Lab File ID: ABD1223 Init. Calib. Date(s): 04/08/08 04/08/08

Init. Calib. Times: 1420 1651

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
TPH Peaks C9-C36	697.43000	700.00000	6565.2000	0.01	-0.37	20.00	LINR
C-9	50.699000	50.000000	6443.3000	0.01	1.40	20.00	LINR
C-10	50.114000	50.000000	6485.2000	0.01	0.23	20.00	LINR
C-12	51.300000	50.000000	6641.6000	0.01	2.60	20.00	LINR
C-14	51.128000	50.000000	6668.6000	0.01	2.26	20.00	LINR
C-16	50.715000	50.000000	6641.3000	0.01	1.43	20.00	LINR
C-18	50.215000	50.000000	6668.9000	0.01	0.43	20.00	LINR
C-19	50.009000	50.000000	6659.0000	0.01	0.02	20.00	LINR
C-20	49.925000	50.000000	6710.5000	0.01	-0.15	20.00	LINR
C-22	50.606000	50.000000	6760.7000	0.01	1.21	20.00	LINR
C-24	48.194000	50.000000	6457.7000	0.01	-3.61	20.00	LINR
C-26	49.085000	50.000000	6450.0000	0.01	-1.83	20.00	LINR
C-28	48.644000	50.000000	6531.8000	0.01	-2.71	20.00	LINR
C-30	46.912000	50.000000	6449.7000	0.01	-6.18	20.00	LINR
C-36	49.885000	50.000000	6344.8000	0.01	-0.23	20.00	LINR
O-Terphenyl	20.165000	20.000000	7408.4000	0.01	0.82	20.00	LINR

FORM VII DRO

Data File: \\target_server\GG\chem\gc10.i\GC10BD14A1.b\ABD1223.d
Report Date: 15-Apr-2008 13:11

Katahdin Analytical Services

Data file : \\target_server\GG\chem\gc10.i\GC10BD14A1.b\ABD1223.d
Lab Smp Id: PHC 50UG/ML
Inj Date : 14-APR-2008 23:25
Operator : KGT Inst ID: gc10.i
Smp Info : TPHA021A.M,GC10BD14A1.B,1,PHC 50UG/ML
Misc Info : PHC50
Comment :
Method : \\TARGET_SERVER\GG\chem\gc10.i\GC10BD14A1.B\TPHA021A.m
Meth Date : 15-Apr-2008 10:39 jprescott Quant Type: ESTD
Cal Date : 08-APR-2008 16:51 Cal File: ABD1097a.d
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: cv.sub
Subtraction File: \\target_server\GG\chem\gc10.i\GC10BD14A1.b\ABD1222.d
Target Version: 4.12
Processing Host: V200T2

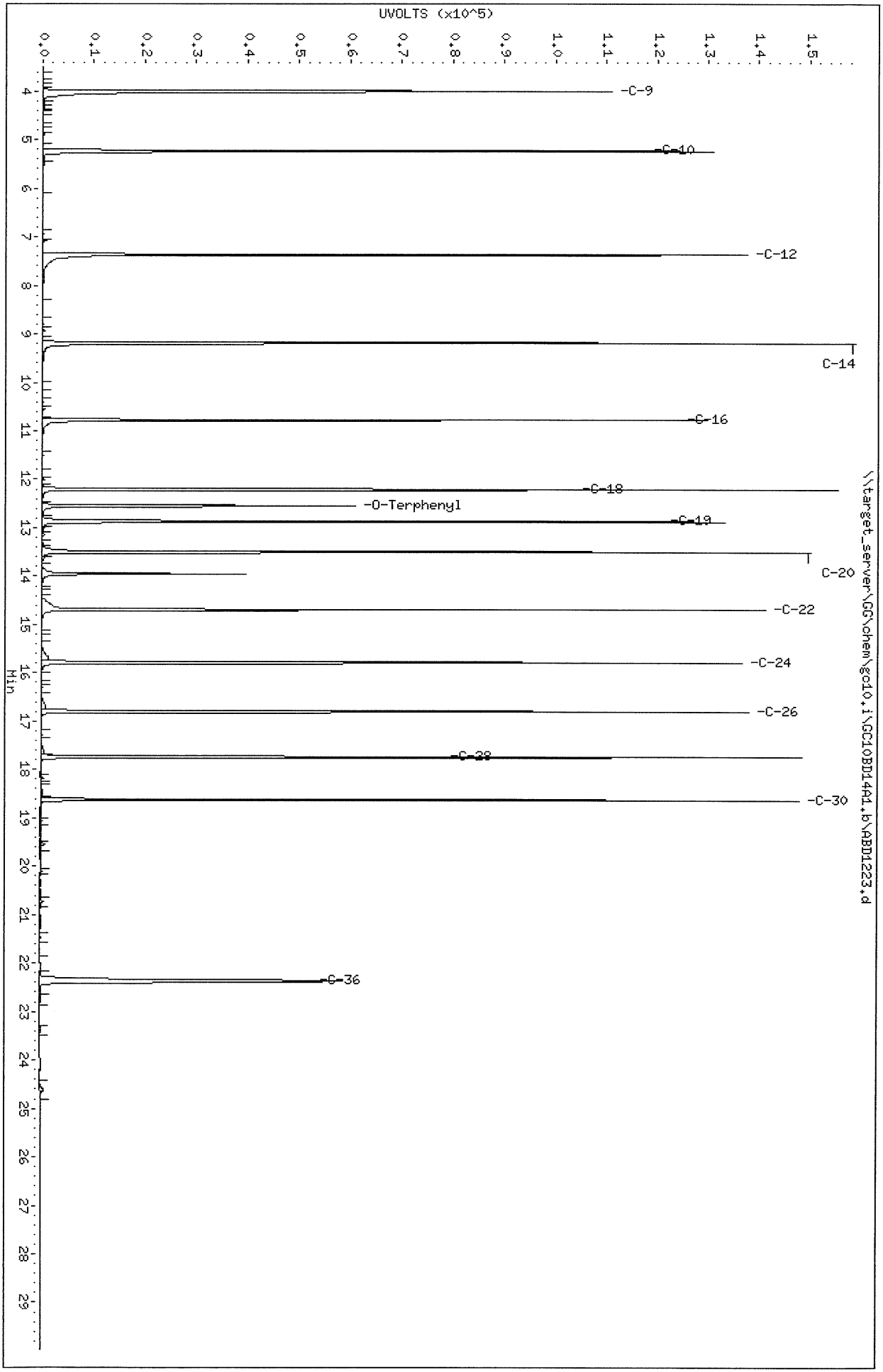
Concentration Formula: Amt * DF * (Vt/Vo)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00100	Final Volume (L)
Vo	1.000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)
M 1 TPH Peaks C9-C36				4595654	700.000	697
2 C-9	4.003	4.015	-0.012	322166	50.0000	50.7
3 C-10	5.234	5.244	-0.010	324260	50.0000	50.1
4 C-12	7.376	7.386	-0.010	332082	50.0000	51.3
5 C-14	9.187	9.196	-0.009	333430	50.0000	51.1
6 C-16	10.780	10.786	-0.006	332063	50.0000	50.7
7 C-18	12.210	12.216	-0.006	333444	50.0000	50.2
$ 8 O-Terphenyl	12.551	12.559	-0.008	148168	20.0000	20.2
9 C-19	12.874	12.880	-0.006	332949	50.0000	50.0
11 C-20	13.507	13.516	-0.009	335526	50.0000	49.9
12 C-22	14.695	14.704	-0.009	338033	50.0000	50.6
13 C-24	15.789	15.798	-0.009	322885	50.0000	48.2
14 C-26	16.802	16.811	-0.009	322500	50.0000	49.1
15 C-28	17.746	17.756	-0.010	326592	50.0000	48.6
16 C-30	18.627	18.637	-0.010	322485	50.0000	46.9
17 C-36	22.372	22.392	-0.020	317239	50.0000	49.9

Data File: \\target_server\GC\chem\gc10.i\GC10BD14A1.b\ABD1223.d
Date : 14-APR-2008 23:25
Client ID:
Sample Info: TPHA021A.M,GC10BD14A1.B,1,PHC 50UG/HL
Purge Volume: 1.0
Column phase: ZB-1

Instrument: gc10.i
Operator: KGT
Column diameter: 0.53



Raw QC Data Section

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client:
Project: CTO 426 NLON
PO No:
Sample Date:
Received Date:
Extraction Date: 03/31/08
Analysis Date: 09-APR-2008 17:10
Report Date: 04/17/2008
Matrix: WATER
% Solids: NA

Lab ID: WG49821-1
Client ID: WG49821-Blank
SDG: CTO426-2
Extracted by: KF
Extraction Method: SW846 3510
Analyst: JLP
Analysis Method: SW846 M8015B
Lab Prep Batch: WG49821
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
	Extractable TPH C9-C36	U	75	1.0	75	75	45
	O-Terphenyl		78%				

Data File: \\target_server\GG\chem\gc10.i\GC10BD09A1.b\ABD1133.d
Report Date: 17-Apr-2008 10:43

Katahdin Analytical Services

Data file : \\target_server\GG\chem\gc10.i\GC10BD09A1.b\ABD1133.d
Lab Smp Id: WG49821-1 Client Smp ID: WG49821-Blank
Inj Date : 09-APR-2008 17:10
Operator : JLP Inst ID: gc10.i
Smp Info : TPHA021A.M,GC10BD09A1.B,1,WG49821-1
Misc Info : SW846 M8015B
Comment :
Method : \\TARGET_SERVER\GG\chem\gc10.i\GC10BD09A1.B\TPHA021A.m
Meth Date : 17-Apr-2008 10:38 jprescott Quant Type: ESTD
Cal Date : 08-APR-2008 16:51 Cal File: ABD1097a.d
Als bottle: 1 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: SW8015M-TPH.sub
Subtraction File: \\Target_server\GG\chem\gc10.i\GC10BD09A1.b\ABD1205.d
Target Version: 4.12
Processing Host: V200T2

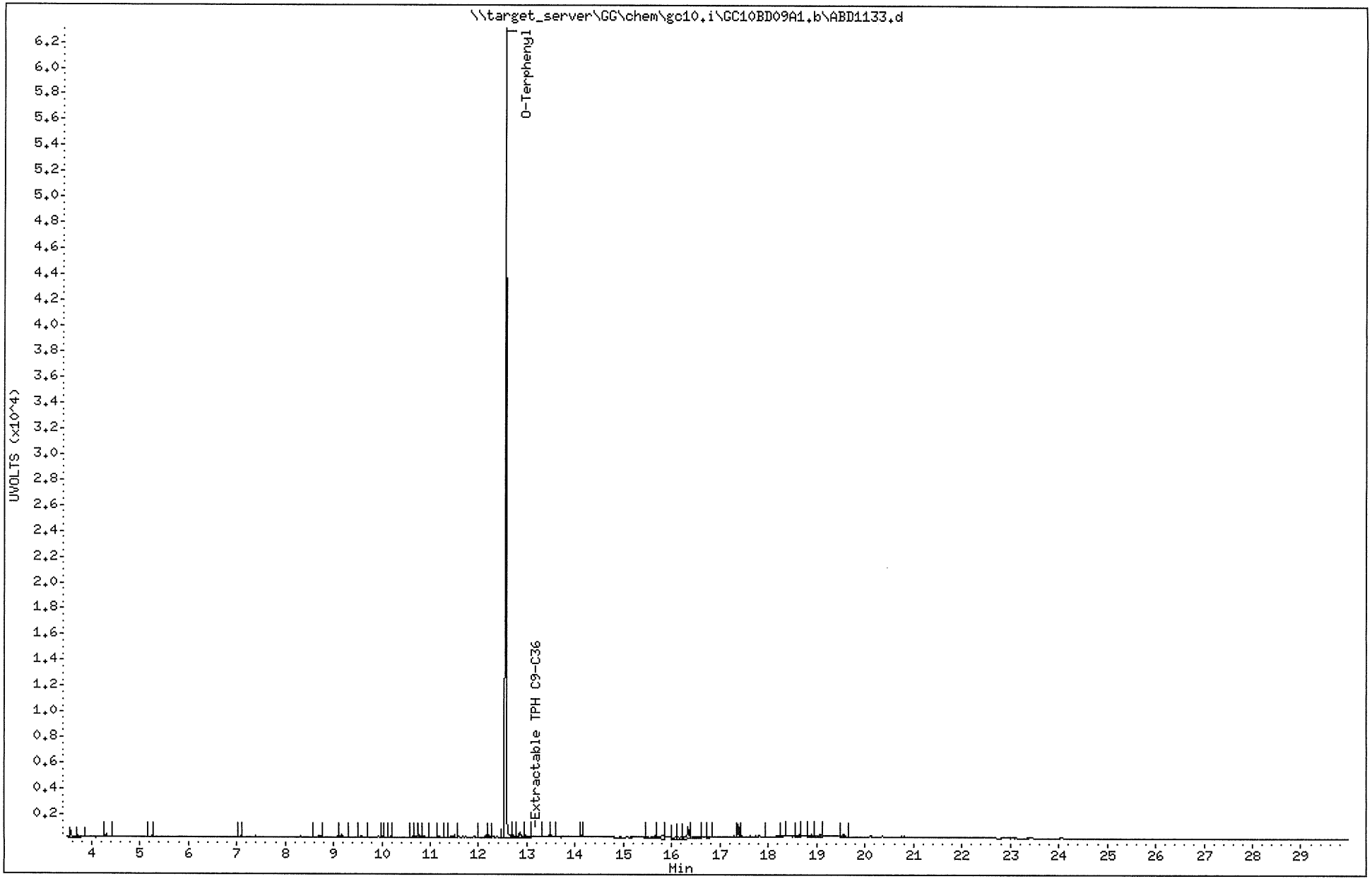
Concentration Formula: Amt * DF * (Vt/Vo)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00100	Final Volume (L)
Vo	1.000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/L)
$ 8 O-Terphenyl	12.560	12.559	0.001	114654	15.5148	15.5

Data File: \\target_server\GG\chem\gc10.i\GC10BD09A1.b\ABD1133.d
Date : 09-APR-2008 17:10
Client ID: WG49821-Blank
Sample Info: TPHA021A.M,GC10BD09A1.B,1,WG49821-1
Purge Volume: 1.0
Column phase: ZB-1

Instrument: gc10.i
Operator: JLP
Column diameter: 0.53



Katahdin Analytical Services 2000120

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client:
Project: CTO 426 NLON
PO No:
Sample Date:
Received Date:
Extraction Date: 04/02/08
Analysis Date: 14-APR-2008 15:41
Report Date: 04/15/2008
Matrix: WATER
% Solids: NA

Lab ID: WG49860-1RA
Client ID: WG49860-Blank
SDG: CTO426-2
Extracted by: KF
Extraction Method: SW846 3510
Analyst: KGT
Analysis Method: SW846 M8015B
Lab Prep Batch: WG49860
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
	Extractable TPH C9-C36	U	75	1.0	75	75	45
	O-Terphenyl		76%				

Data File: \\target_server\GG\chem\gc10.i\GC10BD14A1.b\ABD1213.d
Report Date: 15-Apr-2008 13:11

Katahdin Analytical Services

Data file : \\target_server\GG\chem\gc10.i\GC10BD14A1.b\ABD1213.d
Lab Smp Id: WG49860-1RA Client Smp ID: WG49860-Blank
Inj Date : 14-APR-2008 15:41
Operator : KGT Inst ID: gc10.i
Smp Info : TPHA021A.M,GC10BD14A1.B,1,WG49860-1RA
Misc Info : SW846 M8015B
Comment :
Method : \\TARGET_SERVER\GG\chem\gc10.i\GC10BD14A1.B\TPHA021A.m
Meth Date : 15-Apr-2008 10:39 jprescott Quant Type: ESTD
Cal Date : 08-APR-2008 16:51 Cal File: ABD1097a.d
Als bottle: 1 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: SW8015M-TPH.sub
Subtraction File: \\Target_server\GG\chem\gc10.i\GC10BD14A1.b\ABD1209.d
Target Version: 4.12
Processing Host: TARGET02

Concentration Formula: Amt * DF * (Vt/Vo)*1000 * CpndVariable

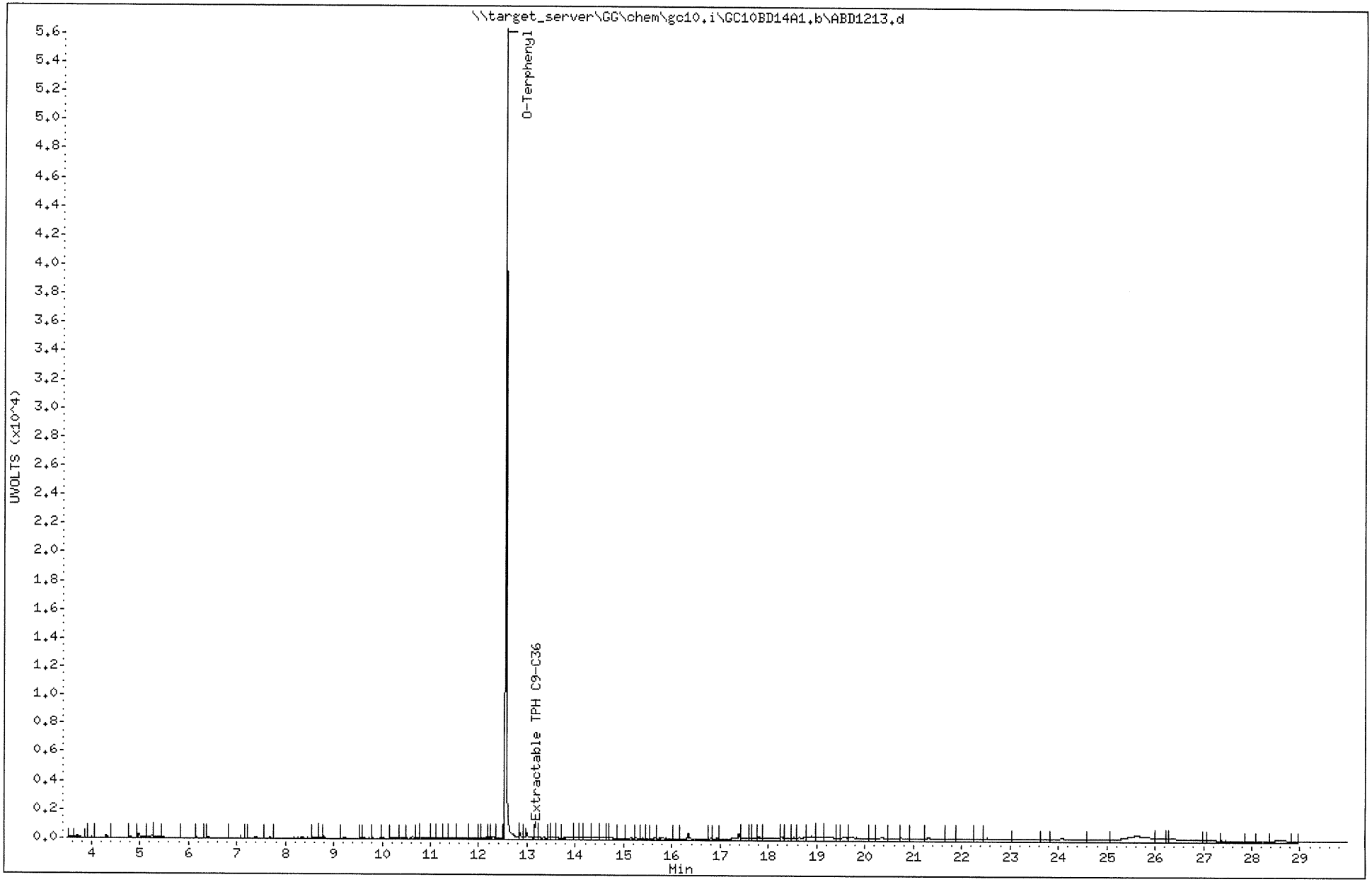
Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00100	Final Volume (L)
Vo	1.000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/L)
$ 8 O-Terphenyl	12.560	12.559	0.001	112113	15.1622	15.2

Data File: \\target_server\GC\chem\gc10.i\GC10BD14A1.b\ABD1213.d
Date : 14-APR-2008 15:41
Client ID: WG49860-Blank
Sample Info: TPHA021A.M,GC10BD14A1.B,1,WG49860-1RA
Purge Volume: 1.0
Column phase: ZB-1

Instrument: gc10.i

Operator: KGT
Column diameter: 0.53



Katahdin Analytical Services 2000123

KATAHDIN ANALYTICAL SERVICES
LAB CONTROL SAMPLE

Client:
Project: CTO 426 NLON
PO No:
Sample Date:
Received Date:
Extraction Date: 03/31/08
Analysis Date: 04/09/08
Report Date: 04/17/2008
Matrix: WATER

Lab ID: WG49821-2
Client ID: WG49821-LCS
SDG: CTO426-2
Extracted by: KF
Extraction Method: SW846 3510
Analyst: JLP
Analysis Method: SW846 M8015B
Lab Prep Batch: WG49821
Units: ug/L

COMPOUND	LCS SPIKE	SAMPLE CONC.	LCS CONC.	%REC.	QC. LIMITS
Extractable TPH C9-C36	500	NA	322	64	33-135

Data File: \\target_server\GG\chem\gc10.i\GC10BD09A1.b\ABD1134.d
Report Date: 17-Apr-2008 10:43

Katahdin Analytical Services

Data file : \\target_server\GG\chem\gc10.i\GC10BD09A1.b\ABD1134.d
Lab Smp Id: WG49821-2 Client Smp ID: WG49821-LCS
Inj Date : 09-APR-2008 17:47
Operator : JLP Inst ID: gc10.i
Smp Info : TPHA021A.M,GC10BD09A1.B,1,WG49821-2
Misc Info : SW846 M8015B
Comment :
Method : \\TARGET_SERVER\GG\chem\gc10.i\GC10BD09A1.B\TPHA021A.m
Meth Date : 17-Apr-2008 10:38 jprescott Quant Type: ESTD
Cal Date : 08-APR-2008 16:51 Cal File: ABD1097a.d
Als bottle: 1 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: SW8015M-TPH.sub
Subtraction File: \\Target_server\GG\chem\gc10.i\GC10BD09A1.b\ABD1205.d
Target Version: 4.12
Processing Host: V200T2

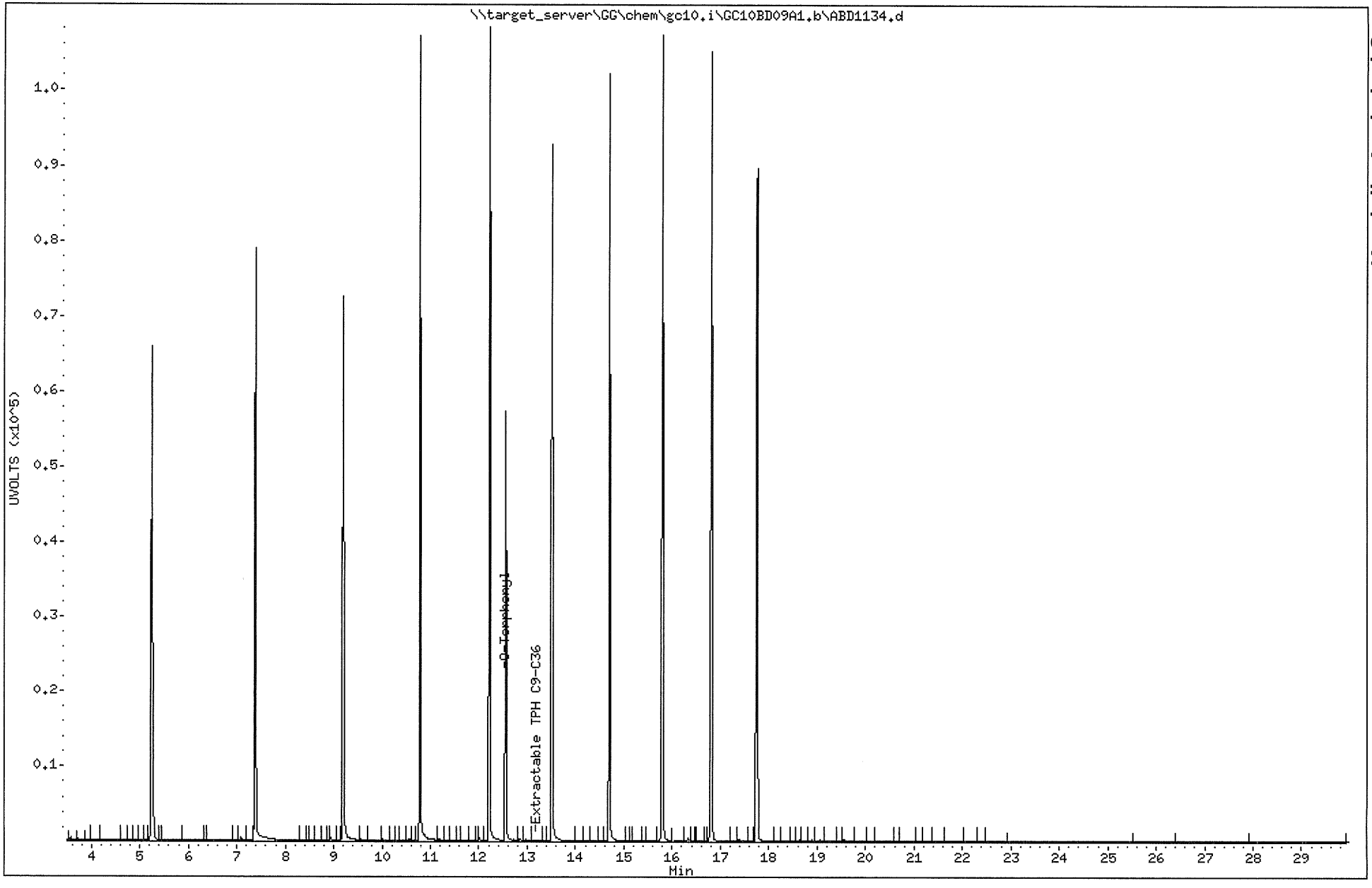
Concentration Formula: Amt * DF * (Vt/Vo)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00100	Final Volume (L)
Vo	1.000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/L)
$ 8 O-Terphenyl	12.559	12.559	0.000	106158	14.3360	14.3
S 10 Extractable TPH C9-C36	3.916	-22.493		2156725	321.765	322

Data File: \\target_server\GG\chem\gc10.i\GC10BD09A1.b\ABD1134.d
Date : 09-APR-2008 17:47
Client ID: WG49821-LCS
Sample Info: TPHA021A.M,GC10BD09A1.B,1,WG49821-2
Purge Volume: 1.0
Column phase: ZB-1

Instrument: gc10.i
Operator: JLP
Column diameter: 0.53



Katahdin Analytical Services 2000126

KATAHDIN ANALYTICAL SERVICES
LAB CONTROL SAMPLE

Client:
Project: CTO 426 NLON
PO No:
Sample Date:
Received Date:
Extraction Date: 04/02/08
Analysis Date: 04/11/08
Report Date: 04/15/2008
Matrix: WATER

Lab ID: WG49860-2 & WG49860-3
Client ID: WG49860-LCS & WG49860-LCSD
SDG: CTO426-2
Extracted by: KF
Extraction Method: SW846 3510
Analyst: KGT
Analysis Method: SW846 M8015B
Lab Prep Batch: WG49860
Units: ug/L

COMPOUND	LCS SPIKE	LCSD SPIKE	SAMPLE CONC.	LCS CONC.	LCSD CONC.	LCS %REC.	LCSD %REC.	%RPD	%RPD LIMIT	QC. LIMITS
Extractable TPH C9-C36	500	500	NA	374	376	75	75	0.5	20	33-135

FORM III DRO-1

ABD1187.d & ABD1188.d

Data File: \\target_server\GG\chem\gc10.i\GC10BD09A1.b\ABD1187.d
Report Date: 15-Apr-2008 13:10

Katahdin Analytical Services

Data file : \\target_server\GG\chem\gc10.i\GC10BD09A1.b\ABD1187.d
Lab Smp Id: WG49860-2 Client Smp ID: WG49860-LCS
Inj Date : 11-APR-2008 19:17
Operator : KGT Inst ID: gc10.i
Smp Info : TPHA021A.M,GC10BD09A1.B,1,WG49860-2
Misc Info : SW846 M8015B
Comment :
Method : \\TARGET_SERVER\GG\chem\gc10.i\GC10BD09A1.B\TPHA021A.m
Meth Date : 14-Apr-2008 10:33 ktanguay Quant Type: ESTD
Cal Date : 08-APR-2008 16:51 Cal File: ABD1097a.d
Als bottle: 1 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: SW8015M-TPH.sub
Subtraction File: \\Target_server\GG\chem\gc10.i\GC10BD09A1.b\ABD1178.d
Target Version: 4.12
Processing Host: TARGET02

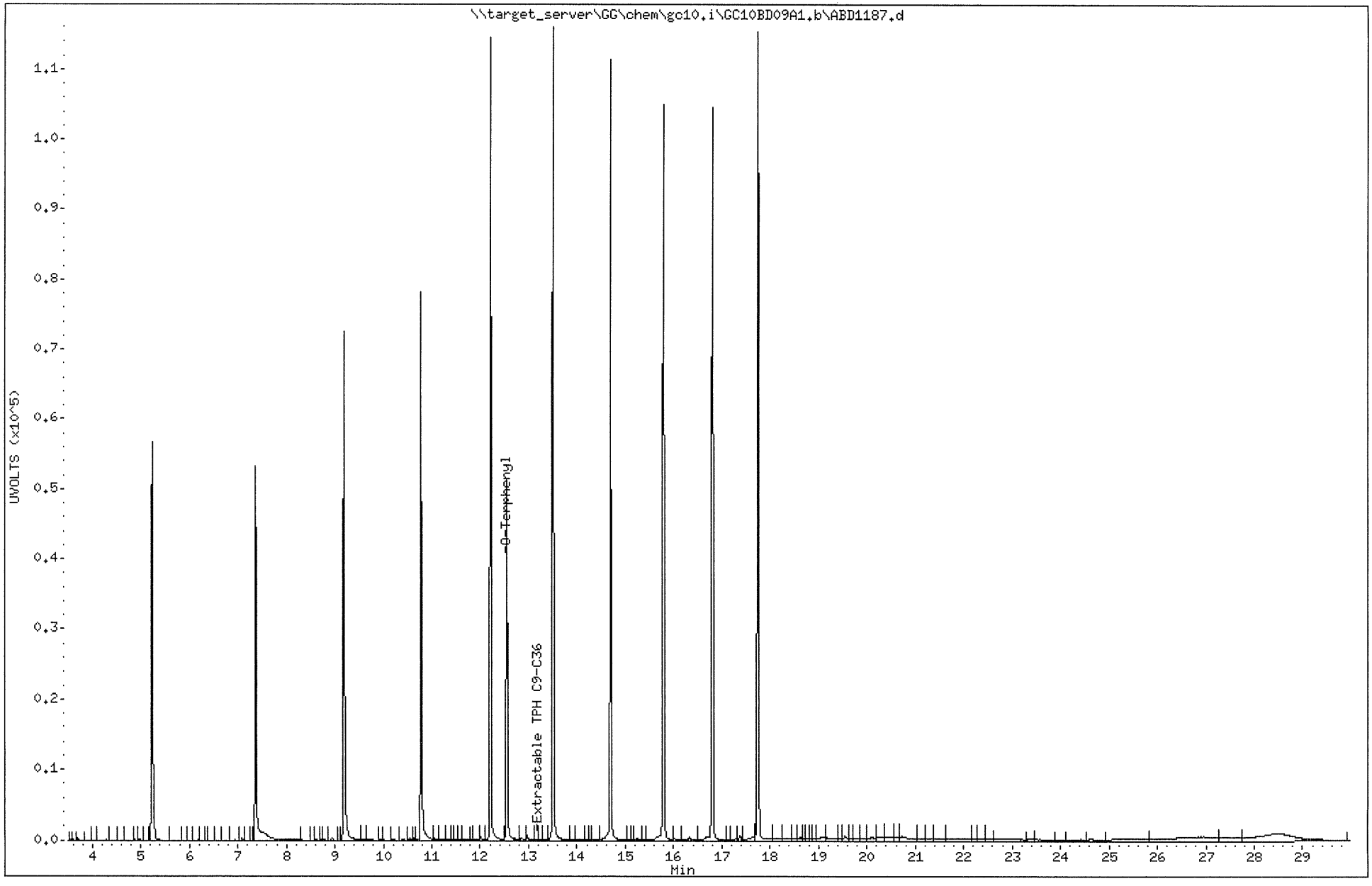
Concentration Formula: Amt * DF * (Vt/Vo)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00100	Final Volume (L)
Vo	1.000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/L)
$ 8 O-Terphenyl	12.556	12.559	-0.003	119261	16.1540	16.2
S 10 Extractable TPH C9-C36	3.916	-22.493		2498838	374.434	374

Data File: \\target_server\GC\chem\gc10.i\GC10BD09A1.b\ABD1187.d
Date : 11-APR-2008 19:17
Client ID: WG49860-LCS
Sample Info: TPHA021A.M,GC10BD09A1.B,1,WG49860-2
Purge Volume: 1.0
Column phase: ZB-1

Instrument: gc10.i
Operator: KGT
Column diameter: 0.53



Katahdin Analytical Services 2000129

Data File: \\target_server\GG\chem\gc10.i\GC10BD09A1.b\ABD1188.d
Report Date: 15-Apr-2008 13:10

Katahdin Analytical Services

Data file : \\target_server\GG\chem\gc10.i\GC10BD09A1.b\ABD1188.d
Lab Smp Id: WG49860-3 Client Smp ID: WG49860-LCSD
Inj Date : 11-APR-2008 19:56
Operator : KGT Inst ID: gc10.i
Smp Info : TPHA021A.M,GC10BD09A1.B,1,WG49860-3
Misc Info : SW846 M8015B
Comment :
Method : \\TARGET_SERVER\GG\chem\gc10.i\GC10BD09A1.B\TPHA021A.m
Meth Date : 14-Apr-2008 10:33 ktanguay Quant Type: ESTD
Cal Date : 08-APR-2008 16:51 Cal File: ABD1097a.d
Als bottle: 1 QC Sample: LCSD
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: SW8015M-TPH.sub
Subtraction File: \\Target_server\GG\chem\gc10.i\GC10BD09A1.b\ABD1178.d
Target Version: 4.12
Processing Host: TARGET02

Concentration Formula: Amt * DF * (Vt/Vo)*1000 * CpndVariable

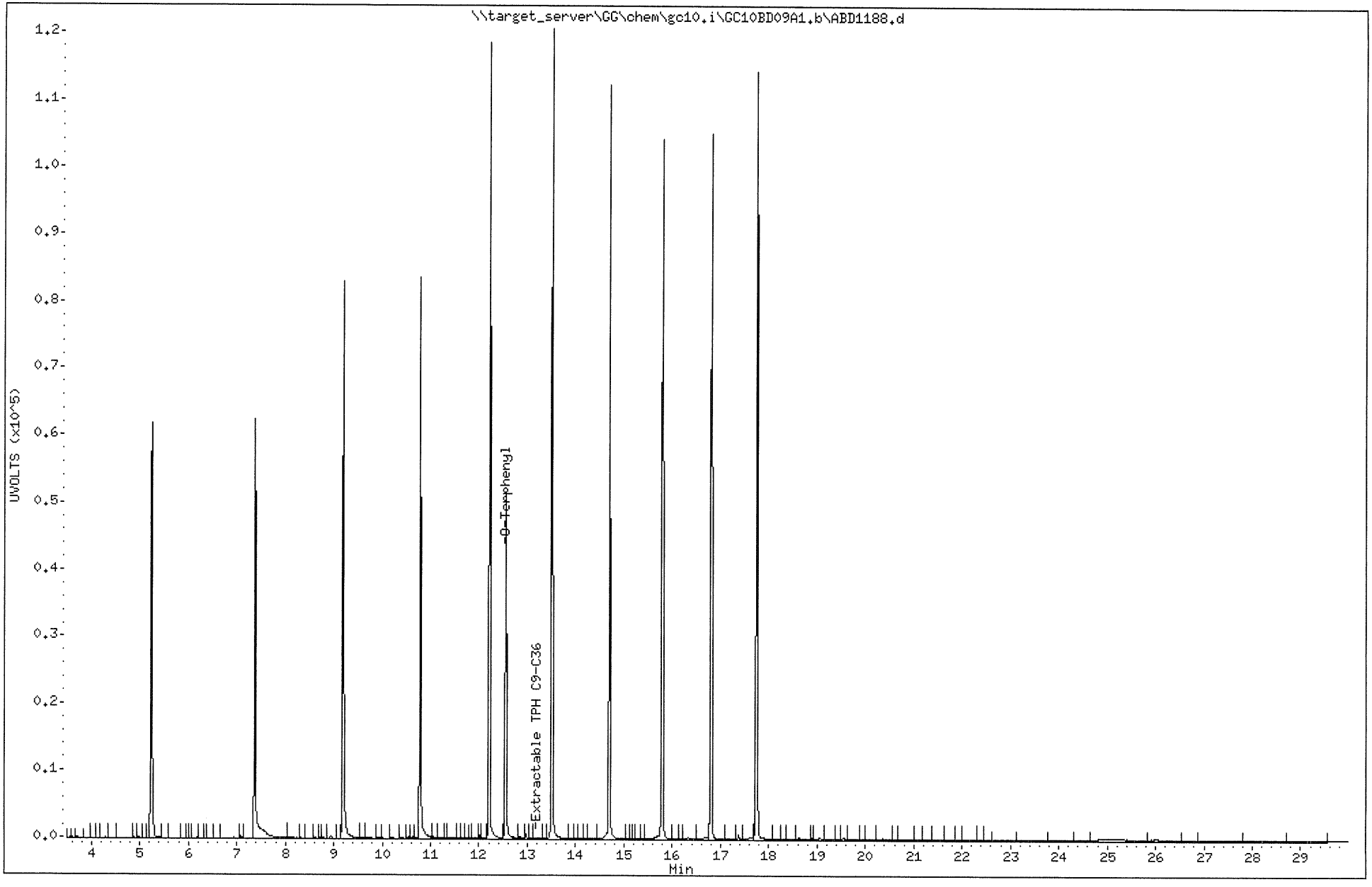
Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00100	Final Volume (L)
Vo	1.000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/L)
$ 8 O-Terphenyl	12.555	12.559	-0.004	122150	16.5548	16.6
S 10 Extractable TPH C9-C36	3.916-22.493			2508546	375.928	376

Data File: \\target_server\GC\chem\gc10.i\GC10BD09A1.b\ABD1188.d
Date : 11-APR-2008 19:56
Client ID: WG49860-LCSD
Sample Info: TPHA021A.M,GC10BD09A1.B,1,WG49860-3
Purge Volume: 1.0
Column phase: ZB-1

Instrument: gc10.i

Operator: KGT
Column diameter: 0.53



Katahdin Analytical Services 2000131

KATAHDIN ANALYTICAL SERVICES
MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 03/24/08
Received Date: 03/26/08
Extraction Date: 03/31/08
Analysis Date: 04/09/08
Report Date: 04/17/2008
Matrix: WATER

Lab ID: WG49821-3 & WG49821-4
Client ID: DGWMW10120080324MS & DGWMW10120080324MSD
SDG: CTO426-2
Extracted by: KF
Extraction Method: SW846 3510
Analyst: JLP
Analysis Method: SW846 M8015B
Lab Prep Batch: WG49821
Units: ug/L

COMPOUND	MS SPIKE	MSD SPIKE	SAMPLE CONC.	MS CONC.	MSD CONC.	MS %REC.	MSD %REC.	%RPD	%RPD LIMIT	QC. LIMITS
Extractable TPH C9-C36	472	472	0.00	339	381	72	81	12	20	33-135

FORM III DRO-1

ABD1135.d & ABD1136.d

Data File: \\target_server\GG\chem\gc10.i\GC10BD09A1.b\ABD1135.d
Report Date: 17-Apr-2008 10:43

Katahdin Analytical Services

Data file : \\target_server\GG\chem\gc10.i\GC10BD09A1.b\ABD1135.d
Lab Smp Id: WG49821-3 Client Smp ID: DGWMW10120080324MS
Inj Date : 09-APR-2008 18:26
Operator : JLP Inst ID: gc10.i
Smp Info : TPHA021A.M,GC10BD09A1.B,1,WG49821-3
Misc Info : SW846 M8015B
Comment :
Method : \\TARGET_SERVER\GG\chem\gc10.i\GC10BD09A1.B\TPHA021A.m
Meth Date : 17-Apr-2008 10:38 jprescott Quant Type: ESTD
Cal Date : 08-APR-2008 16:51 Cal File: ABD1097a.d
Als bottle: 1 QC Sample: MS
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: SW8015M-TPH.sub
Subtraction File: \\Target_server\GG\chem\gc10.i\GC10BD09A1.b\ABD1205.d
Target Version: 4.12
Processing Host: V200T2

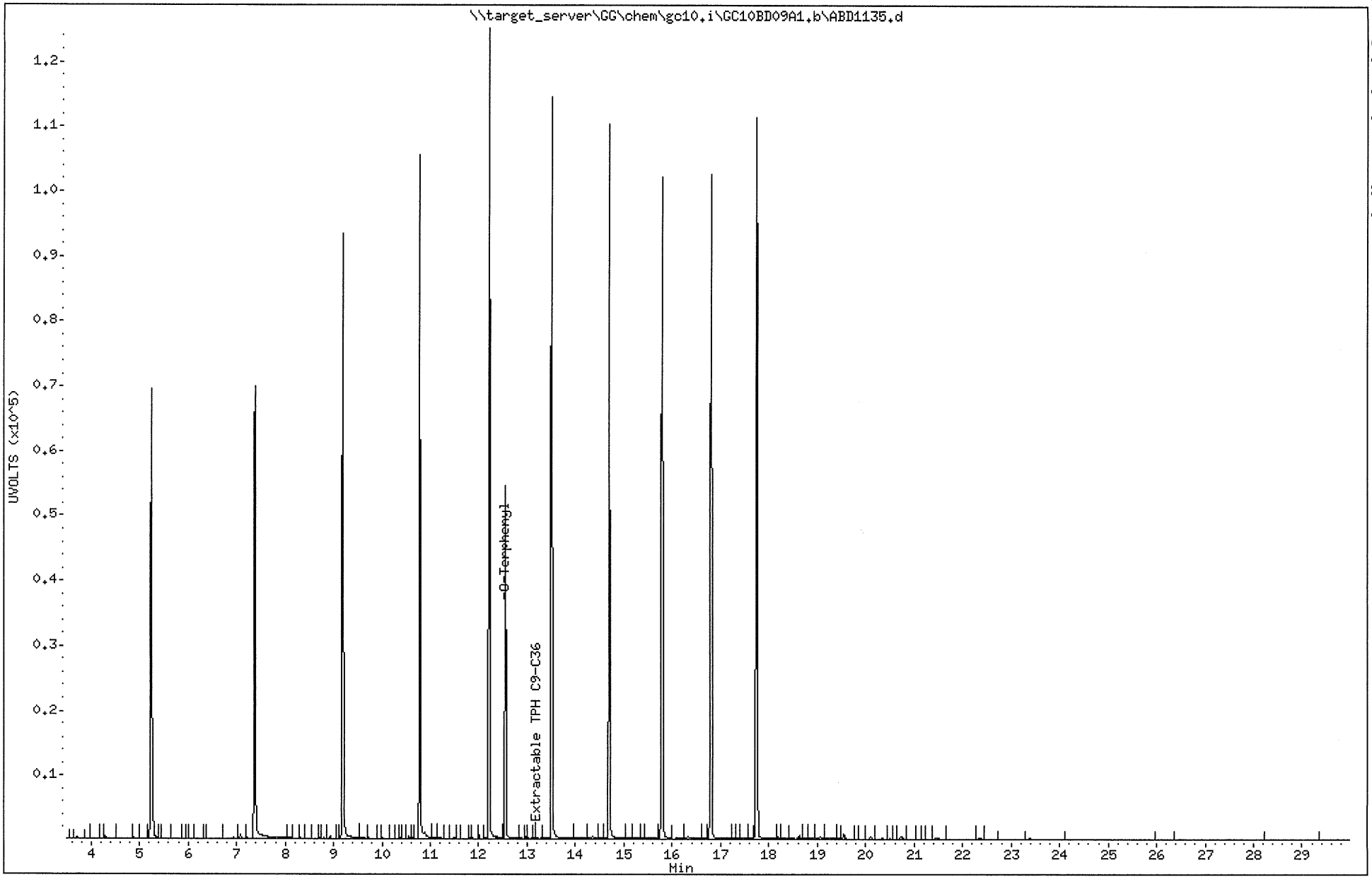
Concentration Formula: Amt * DF * (Vt/Vo)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00100	Final Volume (L)
Vo	1.060	Sample Volume (L)
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/L)
$ 8 O-Terphenyl	12.557	12.559	-0.002	109771	14.8373	14.0
S 10 Extractable TPH C9-C36	3.916	-22.493		2401338	359.424	339

Data File: \\target_server\GC\chem\gc10.i\GC10BD09A1.b\ABD1135.d
Date : 09-APR-2008 18:26
Client ID: DGWMW10120080324MS
Sample Info: TPHA021A.M,GC10BD09A1.B,1,WG49821-3
Purge Volume: 1.1
Column phase: ZB-1

Instrument: gc10.i
Operator: JLP
Column diameter: 0.53



Katahdin Analytical Services 2000134

Data File: \\target_server\GG\chem\gc10.i\GC10BD09A1.b\ABD1136.d
Report Date: 17-Apr-2008 10:43

Katahdin Analytical Services

Data file : \\target_server\GG\chem\gc10.i\GC10BD09A1.b\ABD1136.d
Lab Smp Id: WG49821-4 Client Smp ID: DGWMW10120080324MSD
Inj Date : 09-APR-2008 19:05
Operator : JLP Inst ID: gc10.i
Smp Info : TPHA021A.M,GC10BD09A1.B,1,WG49821-4
Misc Info : SW846 M8015B
Comment :
Method : \\TARGET_SERVER\GG\chem\gc10.i\GC10BD09A1.B\TPHA021A.m
Meth Date : 17-Apr-2008 10:38 jprescott Quant Type: ESTD
Cal Date : 08-APR-2008 16:51 Cal File: ABD1097a.d
Als bottle: 1 QC Sample: MSD
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: SW8015M-TPH.sub
Subtraction File: \\Target_server\GG\chem\gc10.i\GC10BD09A1.b\ABD1205.d
Target Version: 4.12
Processing Host: V200T2

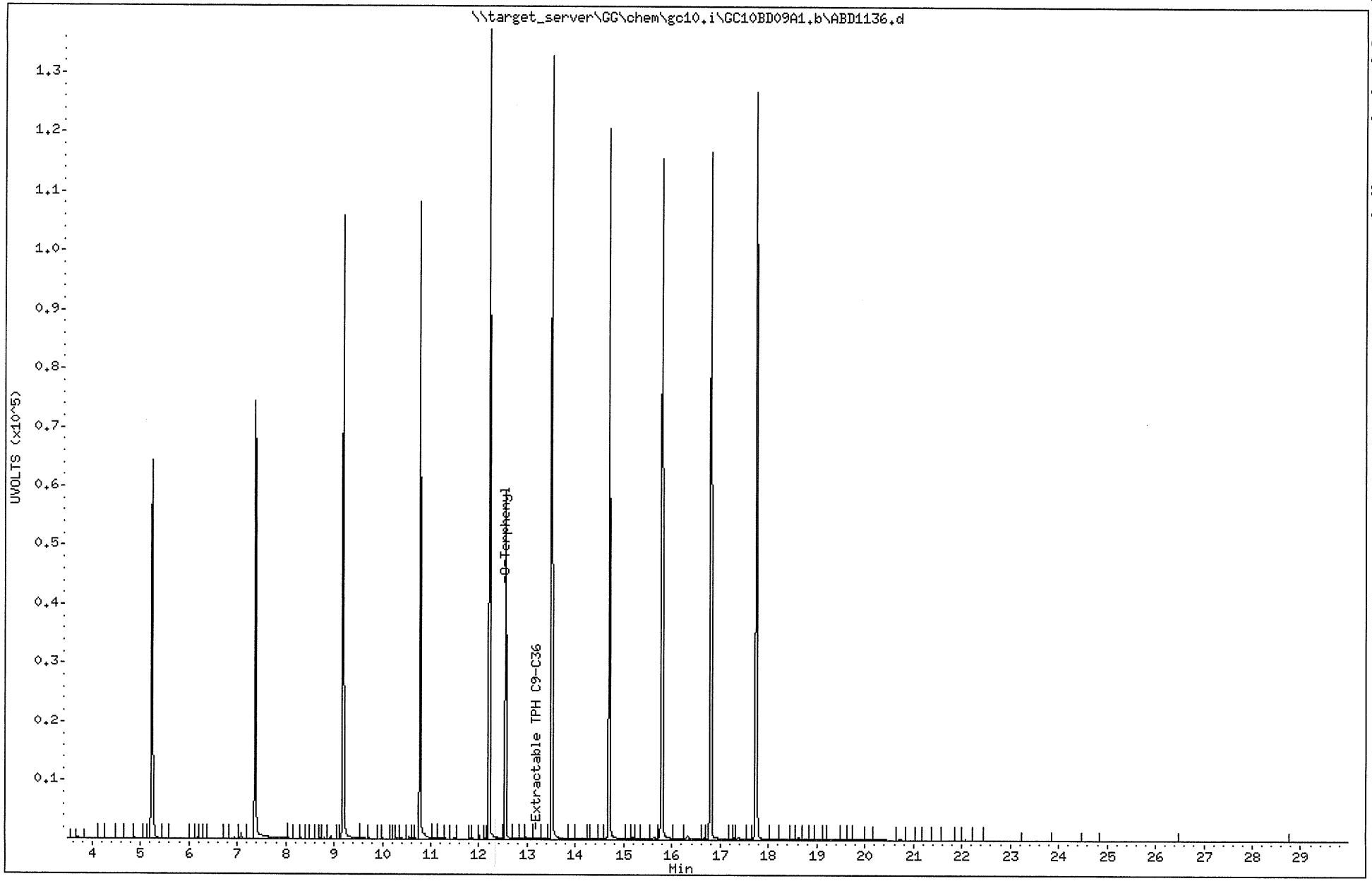
Concentration Formula: Amt * DF * (Vt/Vo)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00100	Final Volume (L)
Vo	1.060	Sample Volume (L)
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/L)
$ 8 O-Terphenyl	12.556	12.559	-0.003	121069	16.4048	15.5
S 10 Extractable TPH C9-C36	3.916	-22.493		2690000	403.863	381

Data File: \\target_server\GC\chem\gc10.i\GC10BD09A1.b\ABD1136.d
Date : 09-APR-2008 19:05
Client ID: DGWMW10120080324MSD
Sample Info: TPHA021A.M,GC10BD09A1.B,1,WG49821-4
Purge Volume: 1.1
Column phase: ZB-1

Instrument: gc10.i
Operator: JLP
Column diameter: 0.53



Katahdin Analytical Services 2000136

Logbooks and Supporting Documents

KATAHDIN ANALYTICAL SERVICES, INC. - GC LABORATORY RUN LOG

Instrument GC010

Methods – Circle Applicable Methods

Amount Injected: 1ul

DRO/TPH – 8015Mod. / MDEP 4.1.25 / 8100Mod.

Date	Init	Result File	Sample #	Accept Y/N	Method	Column	Comments
4-3-08	JLP	ABD10 60	WG49506-3DL 3550	Y	NJA001A	305	1:50 OTPL multi/100 ~~50~~/500
		61	-1DL	Y			
		62	MeCl2	N			
		63	TB	Y			
		64	FLPRO				
		65	PHC 50				
		66	FO 500				
4-3-08	JLP	67	MeCl2	N			New liner
		68					
		69					
		70					
		71	TB	Y			
		72	FO #2	N			clip col?
4-8-08	JLP	89	TB	N	DROA021A	305	clip column
		90	TB	Y	TPHA021A		
		91	FO #2	N			No syringe
		92	FO #2	Y			
		93	PHC 50ug/mL	Y			H1757
		94	200				H1752
		95	100				H1728
		96	20				H1734
		97	5				H1756
		98	PHC IND				H1735
		99	SB14469-17 3550	Y	TPHA021A		
		100	-7	Y			
		101	-23	Y			
		102	-11	N			R 1:5
		103	-1	Y			

REVIEWED BY _____ ON _____

KATAHDIN ANALYTICAL SERVICES, INC. - GC LABORATORY RUN LOG

Instrument GC010

Methods – Circle Applicable Methods

Amount Injected: 1 ul

DRO/TPH – 8015Mod. / MDEP 4.1.25 / 8100Mod.

Date	Init	Result File	Sample #	Accept Y/N	Method	Column	Comments
4-8-08	JLP	ABD1 104	SB1469-15 3550	Y	TPHA021A	305	
		105	-3DL	Y			1:5 100/500
		106	-5DL	Y			
		107	-9DL	N			@ 1:10
		108	-13DL	Y			
4-9-08		109	MeCl2	N			
		110	TB	Y			
		111	PHC 50ug/mL	Y			H7257
		112	SB1469-19DL 3550	Y			1:5 100/500
		113	-21	Y			
		114	-25	Y			
		115	-27	Y			
		116	MeCl2	N			
		117	TB	N			
		118	WG49705-1 3550	Y			
		119	-2				
		120	SB1469-11DL				1:5 100/500
		121	-9DL2				1:10 100/1000
		122	WG49705-3DL				1:5 100/500
		123	-4DL				
		124	MeCl2	Y			
		125	TB	N			NO sample
		126	FO H2	Y			
		127	PHC 20ug/mL	Y			H7224
04/09/08	KGS	128	Thermal Blend	Y		305	
		129	WG49908-1	Y			
		130	-2	Y			
		131	-3	Y			

REVIEWED BY _____ ON _____

KATAHDIN ANALYTICAL SERVICES, INC. - GC LABORATORY RUN LOG

Instrument GC010

Amount Injected: ~~1~~ KGS 1µl

Methods – Circle Applicable Methods

DRO/TPH – 8015Mod. / ~~MDEP 4.1.25~~ / 8100Mod.

Date	Init	Result File	Sample #	Accept Y/N	Method	Column	Comments
			SB1629-1				
04/08/08	KGS	ABD1132	~~Thermal bleed~~	Y	TPH-021A	305	
		133	WG49821-1	Y			
		134	-2	Y			
		135	-3	Y			
		136	-4	Y			
		137	SB1520-2	Y			
		138	-3	Y			
		139	Meck	Y			
		140	Thermal bleed	Y			
		141	Pitc 50ng/ml	Y			
		142	SB1520-4	Y			
		143	-5	Y			
04/08/08		144	-6	Y			
		145	-7	Y			
		146	-8	Y			
		147	-9	Y			
		148	SB1567-2	Y			
		149	Meck	Y			
		150	Thermal bleed	Y			
		151	FO #2	Y			
		152	Pitc 20ng/ml	Y			
		153	JP-4	Y	DRO-021A		
		154	JP-4	Y			
		155	JP-5	Y			
		156	JP-8	Y			
		157	FO #2	Y			
		158	FO #4	Y			
		159	FO #6	Y			

REVIEWED BY _____ ON _____

KATAHDIN ANALYTICAL SERVICES, INC. - GC LABORATORY RUN LOG

Instrument GC010

Methods – Circle Applicable Methods

Amount Injected: 1µl

DRO/TPH – 8015Mod. / MDEP 4.1.25 / 8100Mod.

Date	Init	Result File	Sample #	Accept Y/N	Method	Column	Comments
04/11/08	KRS	ABD1160	Gasoline	Y	DRGA021A	305	
		161	Kerosene	Y			
		162	mineral spirits	Y			
		163	Motor oil	Y			
		164	Mech 2	Y			
		165	↓	Y			
		166	coal tar	Y			
		167	Mech 2	Y			
		168	Mech 2	Y	↓		
		169	WG50108-1	Y	TPHA021A		
		170	SB17747	Y			
		171	-2	Y			
		172	-3	Y			
		173	-4	Y			
		174	-5	N			Rerun
		175	Mech 2	N			
↓	↓	↓ 176	PHC 50ug/ml	Y	↓	↓	
04/11/08	KRT	177	Thermal Bleed	N	TPHA021A	305	
		178	↓	Y			
		179	PHC 20ug/ml	Y			
		180	SB17747-5	Y			
		181	WG50028-1	Y			
		182	-2	Y			
		183	-3	Y			
		184	SB1676-2 DL	N			1:5 @ 1:20 100/500
		185	Mech 2	N			
		186	WG49860-1	N			@ C.O.
↓	↓	↓ 187	-2	Y	↓	↓	

REVIEWED BY _____ ON _____

KATAHDIN ANALYTICAL SERVICES, INC. - GC LABORATORY RUN LOG

Instrument GC010

Methods – Circle Applicable Methods

Amount Injected: 1µl

DRO/TPH – 8015Mod. / MDEP 4.1.25 / 8100Mod.

Date	Init	Result File	Sample #	Accept Y/N	Method	Column	Comments
04/11/08	KGT	ABD1188	WG49860-3	Y	TPHA021A	305	
		189	SB1567-3	Y			
		190	-4	Y			
		191	Meck2	N			
		192	Thermal bleed	N			
		193	PHC 50ug/ml	Y			
		194	SB1567-5	Y			
04/12/08		195	-6	Y			
		196	-7	Y			
		197	-8	Y			
		198	-9	Y			
		199	-10	Y			
		200	-11	Y			
		201	-12	Y			
		202	-13	Y			
		203	SB1568-2	Y			
		204	Meck2	N			
		205	Thermal bleed	Y			
		206	FO #2	Y			
		207	PHC 50ug/ml	Y			
4-14-08	KGT	208	TB	N			
		209		Y			
		210	PHC 20ug/ml	Y			
		211	SB ~~1567~~ KGT 1676-2DL2	Y			1:20 SD/1:10
		212	Meck2	N			
		213	WG49860-1RA	Y			
		214	WG49996-1 3550	Y			
		215	-2	Y			

REVIEWED BY _____ ON _____

KATAHDIN ANALYTICAL SERVICES, INC. - GC LABORATORY RUN LOG

Instrument GC010

Amount Injected: 1 ul

Methods – Circle Applicable Methods

DRO/TPH – 8015Mod. / MDEP 4.1.25 / 8100Mod.

Date	Init	Result File	Sample #	Accept Y/N	Method	Column	Comments
4-14-08	KGT	ABD1 216	WG49996-3 3550	Y	TPHA021A	305	
		217	SB1647-1				
		218	-5				
		219	-7				
		220	MeCl2	N			
		221	FO#2	Y			
		222	TB	Y			
		223	PHC 50ug/mL	Y			

REVIEWED BY _____ ON _____

CT ETPH SEP

Katahdin Analytical Services, Inc.
Organic Extraction Log

Analysis: Fuel Oils

Method: SW846 8015M MEDEP 4.1.25 MADEP EPH FLOPRO CT ETPH ✓

Matrix: Aqueous

Extraction: SW846 3520 SW846 3510 ✓

Surrogate Spike ID: GC0491

LCS/MS Spike ID: GC0502

KD Filter Paper Lot ID: H1375078

Acid Lot ID: —

Mecl2 Lot ID: G1DE48

Sample pHs checked prior to extraction: (Y) N

(unpreserved samples should be noted on comments.)

Blanks & LCSs adjusted to pH 2 w/ 1:1 HCl: Y / (N)

Mt Temp: 35°C

Date Extracted	Ext. Init.	Sample ID	Initial Volume mL	Surr. Volume mL	Spike Volume mL	Final Volume mL	Date Conc.	Tray Location	Conc. Init.	Comments
3-31-08	KF	MG19821-1	1000	1mL	NR	1mL	4-2-08	F0452 A1	Km	R78597 unpressured
		-2			1mL			A2		
		-3	1060					A3		MS SB1520-2J
		-4						A4		MSD " -2K

Km 4-2-08

QAEX145

000004

CT ETPH SEP

Date Extracted	Ext. Init.	Sample ID	Initial Volume mL	Surr. Volume mL	Spike Volume mL	Final Volume mL	Date Conc.	Tray Location	Conc. Init.	Comments
3-31-08	KF	SB1520-2L	1050	1mL	NR	1mL	4-2-08	F0452 A5	Km	unpressured
		-3D	1060					A6		
		-4D	960					A7		
		-5D	1060					A8		
		-6D	1000					A9		
		-7D	1060					A10		
		-8D	980					B1		
		-9D	1060					B2		
		SB1567-2A	1060					B3		emulsion

Km 4-2-08

Reviewed By: _____ Date: _____

QAEX145

00000

Katahdin Analytical Services 2000144

CT ETPH SEP

Katahdin Analytical Services, Inc.
Organic Extraction Log

Analysis: Fuel Oils

Method: SW846 8015M MEDEP 4.1.25 MADEP EPH FLOPRO CT ETPH ✓

Matrix: Aqueous

Extraction: SW846 3520 SW846 3510 ✓

Surrogate Spike ID: GC0491

LCS/MS Spike ID: GC0502

KD Filter Paper Lot ID: H1137S078

Acid Lot ID: —

Mecl2 Lot ID: G10E48

Nit Temp 35°C

Sample pHs checked prior to extraction: (Y) N

(unpreserved samples should be noted on comments.)

Blanks & LCSs adjusted to pH 2 w/ 1:1 HCl: Y / (N)

Date Extracted	Ext. Init.	Sample ID	Initial Volume mL	Surr. Volume mL	Spike Volume mL	Final Volume mL	Date Conc.	Tray Location	Conc. Init.	Comments
4.2.08	KF	WG498604	1000	1mL	NR	1.0	4/4/08	F0452 C8	JCG	R78680 no preservation
		-2			1mL			C9		
		-3						C10		

QAEX145

000004

CT ETPH SEP

Date Extracted	Ext. Init.	Sample ID	Initial Volume mL	Surr. Volume mL	Spike Volume mL	Final Volume mL	Date Conc.	Tray Location	Conc. Init.	Comments
4.2.08	KF	SB1567-3A	1060	1mL	NR	1.0	4/4/08	F0452 D1	JCG	no preservation
		-4A	1000					D2		
		-5A	1060					D3		
		-6A	1060					D4		
		-7A	960					D5		
		-8A	1060					D6		
		-9A	1060					D7		
		-10A	1060					D8		
		-11A	930					D9		sm. emulsion
		-12A	1000					D10		
		-13A	1060					E1		sm. emulsion
		SB1568-2D	400					E2 ✓		emulsion

Reviewed By: _____ Date: _____

QAEX145

000005

TETRA TECH NUS, INC.
CTO 426 NLON
SDG: CTO426-3
SB3059, SB3101

KATAHDIN ANALYTICAL SERVICES, INC.
600 TECHNOLOGY WAY
SCARBOROUGH, ME 04074

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SAMPLE DATA PACKAGE

SDG NARRATIVE
KATAHDIN ANALYTICAL SERVICES
TETRA TECH NUS
CASE CTO 426 NLON
SDG: CTO426-3
SB3059, SB3101

Sample Receipt

The following samples were received on June 11 and 12, 2008 and were logged in under Katahdin Analytical Services work order numbers SB3059 and SB3101 for a hardcopy due date of July 1, 2008.

KATAHDIN Sample No.	TTNUS Sample Identification
SB3059-1	AWD-GW-MW103-060908
SB3059-2	AWD-GW-MW102-060908
SB3059-3	AWD-GWMW40420080609
SB3059-4	AWD-GW-MW104-060908
SB3059-5	AWD-GWMW40320080609
SB3059-6	AWD-GWMW40220080609
SB3059-7	AWD-GW-MW304061008
SB3059-8	AWD-GW-MW101061008
SB3059-9	AWD-GW-MW305061008
SB3059-10	AWD-GW-MW201061008
SB3059-11	AWD-GW-DUP01
SB3059-12	AWD-GW-MW20220080610
SB3059-13	AWD-GW-MW1420080610
SB3059-14	AWD-TB061008
SB3101-1	AWD-GW-MW302-061108
SB3101-2	AWDSWPZ203A20080611
SB3101-3	AWD-GWMW30120080611
SB3101-4	AWD-GWMW401-061108
SB3101-5	AWD-GWMW303-061108
SB3101-6	AWD-GW-DUP02

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 CTO426-3 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 SB3059-4 was used for the Matrix Spike (MS) and Matrix Spike Duplicate (MSD), 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.

The sample with the client ID AWD-GW-MW104-060908 (laboratory ID SB3059-4) exceeds the 19-character limit of the Katahdin Analytical Services' organics forms processing system when appended with the MSD designation. Therefore, the first three characters ("AWD") in the client ID for this sample were omitted on all forms for the sample, MS, and MSD analyses.

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 to take corrective action only if the number of spiked analytes in the LCS that are outside of the QC limits is greater than the DoD QSM allowable number of exceedances. The LCS report consists of the full list of spiked analytes, but only the client's list of target analytes are evaluated. 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 initial analysis of samples SB3059-6 and 7 had recoveries for one or more surrogates that were outside of the laboratory established acceptance limit. The reanalyses of these samples are labeled with the suffix "RA". The reanalyses were analyzed within hold time and met all QC acceptance limits. Therefore, only the reanalyses are reported.

8015M-TPH Analysis

Samples SB3059-2, 3, 5, 6, 7, 9, 12, 13 and SB3101 -1, 2, 3 and 5 were manually integrated for the target range TPH and the extraction surrogate o-Terphenyl. 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 closing calibration verification standard (CV) (file ABF3090) had low responses for one or more hydrocarbons and the TPH range, which resulted in %D's that were greater than 20%.

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

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.

Deborah J. Nadeau for 7/1/08

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: AJC	Sampled By: Client
Project:	KIMS Entry By: DS	Delivered By: Fed Ex
KAS Work Order#: SB3059	KIMS Review By: AOC	Received By: DD
SDG #:	Cooler: 1 of 4	Date/Time Rec.: 6-11-08 1025

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): 12.3 *All Temp blanks werein bottom of cooler - ~~below samples~~ - IC
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) 6.0
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

0000006

Katahdin Analytical Services, Inc. **Sample Receipt Condition Report**

Client: Tetra Tech	KAS PM: AJC	Sampled By: client
Project:	KIMS Entry By: DS	Delivered By: Fed Ex
KAS Work Order#: SB 3059	KIMS Review By: MC	Received By: DP
SDG #:	Cooler: 2 of 4	Date/Time Rec.: 6-11-08 1025

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 4.
3. Chain of Custody signed by client?	X				
4. Chain of Custody matches samples?	X				
5. Temperature Blanks present?	X				Temp (°C): 14.6
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) 2.6
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: AJC	Sampled By: client
Project:	KIMS Entry By: DS	Delivered By: Fed Ex
KAS Work Order#: SB3059	KIMS Review By: AL	Received By: DD
SDG #:	Cooler: 3 of 4	Date/Time Rec.: 6-11-08 10:25

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 4
3. Chain of Custody signed by client?	X				
4. Chain of Custody matches samples?	X				
5. Temperature Blanks present?	X				Temp (°C): 13.7
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) 4.4
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

0000008

Katahdin Analytical Services, Inc. **Sample Receipt Condition Report**

Client: Tetra Tech	KAS PM: AJC	Sampled By: client
Project:	KIMS Entry By: DS	Delivered By: Fed Ex
KAS Work Order#: SB 3059	KIMS Review By: AJC	Received By: DD
SDG #:	Cooler: 4 of 4	Date/Time Rec.: 6-11-08 10:25

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 4
3. Chain of Custody signed by client?	X				
4. Chain of Custody matches samples?	X				
5. Temperature Blanks present?	X				Temp (°C): 9.0
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) 6.0
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

0000009

Katahdin Analytical Services, Inc. **Sample Receipt Condition Report**

Client: Tetra Tech	KAS PM: ADC	Sampled By: Client
Project:	KIMS Entry By: DD	Delivered By: Fed Ex
KAS Work Order#: SB3101 / SB3102	KIMS Review By: ADC	Received By: DD
SDG #:	Cooler: 1 of 2	Date/Time Rec.: 6-12-08 950

Receipt Criteria	Y	N	EX*	NA	Comments and/or Resolution
1. Custody seals present / intact?	X				
2. Chain of Custody present in cooler?		X			Chain of custody in cooler #2
3. Chain of Custody signed by client?	X				
4. Chain of Custody matches samples? *	X				
5. Temperature Blanks present?	X				Temp (°C): 13.6 ADC notified Lucy-proceed
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) 10.1
7. Volatiles free of headspace? **Aqueous:** No bubble larger than a pea	DD X			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

* Sample AWD-GW-MW301-20080611 was on COC 2 times

Only received one bottle for TPH for AWD-SW-PZ203A-20080610 and it was not even 1/4 full.

Samples in the cooler:

MW302-061108 DUP2 MW4004108 MW301-20080611 MW303 061108

0000010

Katahdin Analytical Services, Inc. **Sample Receipt Condition Report**

Client: Tetra Tech	KAS PM: Ade	Sampled By: client
Project:	KIMS Entry By: DJ	Delivered By: Fed Ex
KAS Work Order#: SB3102 / SB3101	KIMS Review By: pc	Received By: DD
SDG #:	Cooler: 2 of 2	Date/Time Rec.: 6-12-08 950

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): 10.4
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) 2.7
7. Volatiles free of headspace?	X or X			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
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

Client: Tetratech NUS Inc
Contact: Steve Vetere
Phone #: (978)474 8444
Fax #: (978)474 84
Address: 55 Jonspin Rd
City: Wilmington
State: MA
Zip Code: 01887
Purchase Order #:
Proj. Name / No.: Groton CT Arrowwood Drive
Katahdin Quote #:
Bill (if different than above):
Address:
Sampler (Print / Sign):
Copies To:

LAB USE ONLY
WORK ORDER #: SB53059
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.	Target VOC	ETPH CT Method									
					Filt. ❒Y ❒N	Filt. ❒Y ❒N	Filt. ❒Y ❒N	Filt. ❒Y ❒N	Filt. ❒Y ❒N	Filt. ❒Y ❒N	Filt. ❒Y ❒N	Filt. ❒Y ❒N	Filt. ❒Y ❒N	Filt. ❒Y ❒N	Filt. ❒Y ❒
	AWD-GW-MW103-060908	6/9/08/1430	A	5	3	2									
	AWD-GW-MW102-060908	6/9/08/1600	A	5	3	2									
	AWD-GW-MW404-20080609	6/9/08/1305	A	5	3	2									
	AWD-GW-MW104-060908	6/9/08/1225	A	15	9	6	Includes Lab QC								
	AWD-GW-MW403-20080609	6/9/08/1450	A	5	3	2									
	AWD-GW-MW402-20080609	6/9/08/1645	A	5	3	2									
	AWD-GW-MW304-061008	6/10/08/1200	A	5	3	2									
	AWD-GW-MW101-061008	6/10/08 0930	A	5	3	2									
	AWD-GW-MW305-061008	6/10/08/1340	A	5	3	2									
	AWD-GW-MW201-061008	6/10/08 1050	A	5	3	2									
	AWD-GW-DUP01	6/10/08 —	A	5	3	2									
	AWD-GW-MW202-20080610	6/10/08 1010	A	5	3	2									
	AWD-GW-MW14-20080610	6/10/08 1155	A	5	3	2									
	AWD-TB061008	6/10/08 —	A	2	2	—									
		/													
		/													

OMMENTS: See SOW for analyte list + Detection Limits
4 coolers

Relinquished By: (Signature)	Date / Time	Received By: (Signature)	Relinquished By: (Signature)	Date / Time	Received By: (Signature)
[signature]	6/10/08 1700	Dima Dor	6-11-08 10:25		
Relinquished By: (Signature)	Date / Time	Received By: (Signature)	Relinquished By: (Signature)	Date / Time	Received By: (Signature)
					0000012

THE TERMS AND CONDITIONS ON THE REVERSE SIDE HEREOF SHALL GOVERN

ORIGINAL

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

Client: Tetratech NUS Inc
Contact: Steve Vetere
Phone #: (978) 474 8444
Fax #: (978) 474 84
Address: 55 Jonspin Rd
City: Wilmington
State: MA
Zip Code:
Purchase Order #:
Proj. Name / No.:
Katahdin Quote #:
Bill (if different than above):
Address:
Sampler (Print / Sign): R Clark Reel
Copies To:

LAB USE ONLY
WORK ORDER #: SB 3101 / SB 3102
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: Target VOC	Filt. ☐Y ☐N: ETPH OPEP Method	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N
	AWD-GW-MW302-061108	6/11/08/1215	A	5	3	2								
	AWD-SW-PZ203A 20080611	6/11/08/1145	A	1		1								
	AWD-GW-~~301~~ MW301-20080611	6/11/08/1030	A	5	3	2								
	AWD-GW-MW401-061108	6/11/08/0930	A	5	3	2								
	AWD-GW-MW303-061108	6/11/08/1050	A	5	3	2								
	AWD-GW-Dup02	6/11/08/—	A	5	3	2								
	AWD-SW Dup01 20080610	6/10/08/—	A	2		2								
	AWD-GW-MW301 20080611	6/11/08/1030	A	5	3	2								
	AWD-SW-PZ203A 20080610	6/10/08/1630	A			1								
	AWD-SW SW1 20080610	6/10/08/1600	A	2		2								
	AWD-SW-PZ203A 20080610	6/10/08/1630	A	4	3	1								
	AWD-SW-SW1-20080611	6/11/08/1115	A	3	3									
	AWD-SW-Dup01 20080611	6/11/08/—	A	3	3									
	AWD-TB061108	6/11/08/—	A	2										
		/												
		/												

OMMENTS
See SOW for Analyte list & detection limit

Relinquished By: (Signature)	Date / Time	Received By: (Signature)	Relinquished By: (Signature)	Date / Time	Received By: (Signature)
Rob C	6/11/08 1600				
Relinquished By: (Signature)	Date / Time	Received By: (Signature)	Relinquished By: (Signature)	Date / Time	Received By: (Signature)
					0000013

THE TERMS AND CONDITIONS ON THE REVERSE SIDE HEREOF SHALL GOVERN

ORIGINAL

Katahdin ANALYTICAL SERVICES

Katahdin Analytical Services

Login Chain of Custody Report (Ino1)

Jun. 11, 2008
01:58 PM

Login Number: SB3059

Account: TETRAT001 Web
Tetra Tech NUS, Inc.

Project: TETRAT426001

Primary Report Address:
Lucy Guzman
Tetra Tech NUS
55 Jonspin Road

Wilmington,MA 01887-1020

Primary Invoice Address:
Accounts Payable
Tetra Tech NUS, Inc.
661 Andersen Drive
Foster Plaza 7
Pittsburgh,PA 15220

Report CC Addresses:
Invoice CC Addresses:

Login Information

ANALYSIS INSTRUCTIONS	:	TPH is CT-ETPH
CHECK NO.	:	
CLIENT PO#	:	1000693 25-426
COOLER TEMPERATURE	:	6.0, 2.6, 4.4, 6.0
DELIVERY SERVICES	:	FEDEX
EDD FORMAT	:	KAS087QC-TXT
PM	:	AJC
PROJECT NAME	:	CTO 426 NLON
QC LEVEL	:	IV
REGULATORY LIST	:	NFESC
REPORT INSTRUCTIONS	:	Rpt to MDL. Data summary needs all forms. Send hc and 1 CD w/ PDF to Lucy. Send 1 CD w/ PDF & EDD to Tobrena.
SDG ID	:	CTO426-3
SDG STATUS	:	Begin

Laboratory Sample ID	Client Sample Number	Collect Date/Time	Receive Date	PR	Verbal Date	Due Date	Mailed
SB3059-1	AWD-GW-MW103-060908	09-JUN-08 14:30	11-JUN-08			30-JUN-08	

Matrix		Product	Hold Date (shortest)	Bottle Type	Bottle Count	Comments
Aqueous	S	SW8015M-TPH-CT	16-JUN-08	1L N-Amber Glass	2	
Aqueous	S	SW8260-S	23-JUN-08	40mL Vial+HCl	3	

SB3059-2	AWD-GW-MW102-060908	09-JUN-08 16:00	11-JUN-08			30-JUN-08

Matrix		Product	Hold Date (shortest)	Bottle Type	Bottle Count	Comments
Aqueous	S	SW8015M-TPH-CT	16-JUN-08	1L N-Amber Glass	2	
Aqueous	S	SW8260-S	23-JUN-08	40mL Vial+HCl	3	

SB3059-3	AWD-GWMW40420080609	09-JUN-08 13:05	11-JUN-08			30-JUN-08

Matrix		Product	Hold Date (shortest)	Bottle Type	Bottle Count	Comments
Aqueous	S	SW8015M-TPH-CT	16-JUN-08	1L N-Amber Glass	2	
Aqueous	S	SW8260-S	23-JUN-08	40mL Vial+HCl	3	

SB3059-4	AWD-GW-MW104-060908	09-JUN-08 12:25	11-JUN-08			30-JUN-08

Matrix		Product	Hold Date (shortest)	Bottle Type	Bottle Count	Comments
Aqueous	S	SW8015M-TPH-CT	16-JUN-08	1L N-Amber Glass	6	MS/MSD
Aqueous	S	SW8260-S	23-JUN-08	40mL Vial+HCl	9	

SB3059-5	AWD-GWMW40320080609	09-JUN-08 14:50	11-JUN-08			30-JUN-08

Matrix		Product	Hold Date (shortest)	Bottle Type	Bottle Count	Comments
Aqueous	S	SW8015M-TPH-CT	16-JUN-08	1L N-Amber Glass	2	
Aqueous	S	SW8260-S	23-JUN-08	40mL Vial+HCl	3	

SB3059-6	AWD-GWMW40220080609	09-JUN-08 16:45	11-JUN-08			30-JUN-08

Matrix		Product	Hold Date (shortest)	Bottle Type	Bottle Count	Comments
Aqueous	S	SW8015M-TPH-CT	16-JUN-08	1L N-Amber Glass	2	
Aqueous	S	SW8260-S	23-JUN-08	40mL Vial+HCl	3	

SB3059-7	AWD-GW-MW304061008	10-JUN-08 12:00	11-JUN-08			30-JUN-08

Matrix		Product	Hold Date (shortest)	Bottle Type	Bottle Count	Comments
Aqueous	S	SW8015M-TPH-CT	17-JUN-08	1L N-Amber Glass	2	
Aqueous	S	SW8260-S	24-JUN-08	40mL Vial+HCl	3	

Katahdin ANALYTICAL SERVICES

Katahdin Analytical Services

Login Chain of Custody Report (lno1)

Jun. 11, 2008
01:58 PM

Login Number: SB3059

Account: TETRAT001 Web
Tetra Tech NUS, Inc.

Project: TETRAT426001

Laboratory Sample ID	Client Sample Number	Collect Date/Time	Receive Date	PR	Verbal Date	Due Date	Mailed
SB3059-8	AWD-GW-MW101061008	10-JUN-08 09:30	11-JUN-08			30-JUN-08	

Matrix		Product	Hold Date (shortest)	Bottle Type	Bottle Count	Comments
Aqueous	S	SW8015M-TPH-CT	17-JUN-08	1L N-Amber Glass	2	
Aqueous	S	SW8260-S	24-JUN-08	40mL Vial+HCl	3	

SB3059-9	AWD-GW-MW305061008	10-JUN-08 13:40	11-JUN-08			30-JUN-08

Matrix		Product	Hold Date (shortest)	Bottle Type	Bottle Count	Comments
Aqueous	S	SW8015M-TPH-CT	17-JUN-08	1L N-Amber Glass	2	
Aqueous	S	SW8260-S	24-JUN-08	40mL Vial+HCl	3	

SB3059-10	AWD-GW-MW201061008	10-JUN-08 10:50	11-JUN-08			30-JUN-08

Matrix		Product	Hold Date (shortest)	Bottle Type	Bottle Count	Comments
Aqueous	S	SW8015M-TPH-CT	17-JUN-08	1L N-Amber Glass	2	
Aqueous	S	SW8260-S	24-JUN-08	40mL Vial+HCl	3	

SB3059-11	AWD-GW-DUP01	10-JUN-08 00:00	11-JUN-08			30-JUN-08

Matrix		Product	Hold Date (shortest)	Bottle Type	Bottle Count	Comments
Aqueous	S	SW8015M-TPH-CT	17-JUN-08	1L N-Amber Glass	2	
Aqueous	S	SW8260-S	24-JUN-08	40mL Vial+HCl	3	

SB3059-12	AWD-GWMW20220080610	10-JUN-08 10:10	11-JUN-08			30-JUN-08

Matrix		Product	Hold Date (shortest)	Bottle Type	Bottle Count	Comments
Aqueous	S	SW8015M-TPH-CT	17-JUN-08	1L N-Amber Glass	2	
Aqueous	S	SW8260-S	24-JUN-08	40mL Vial+HCl	3	

SB3059-13	AWD-GWMW1420080610	10-JUN-08 11:55	11-JUN-08			30-JUN-08

Matrix		Product	Hold Date (shortest)	Bottle Type	Bottle Count	Comments
Aqueous	S	SW8015M-TPH-CT	17-JUN-08	1L N-Amber Glass	2	
Aqueous	S	SW8260-S	24-JUN-08	40mL Vial+HCl	3	

SB3059-14	AWD-TB061008	10-JUN-08 00:00	11-JUN-08			30-JUN-08

Matrix		Product	Hold Date (shortest)	Bottle Type	Bottle Count	Comments
Aqueous	S	SW8260-S	24-JUN-08	40mL Vial+HCl	2	

Total Samples: *14* ***Total Analyses:*** *27*

Katahdin
ANALYTICAL SERVICES

Katahdin Analytical Services

Login Chain of Custody Report (lno1)

Jun. 12, 2008
03:09 PM

Login Number: SB3101

Account: TETRAT001 Web
Tetra Tech NUS, Inc.

Project: TETRAT426001

Primary Report Address:
Lucy Guzman
Tetra Tech NUS
55 Jonspin Road

Wilmington,MA 01887-1020

Primary Invoice Address:
Accounts Payable
Tetra Tech NUS, Inc.
661 Andersen Drive
Foster Plaza 7
Pittsburgh,PA 15220

Report CC Addresses:
Invoice CC Addresses:

Login Information

ANALYSIS INSTRUCTIONS	:	TPH is CT-ETPH
CHECK NO.	:	
CLIENT PO#	:	1000693 25-426
COOLER TEMPERATURE	:	10.1, 2.7
DELIVERY SERVICES	:	FEDEX
EDD FORMAT	:	KAS087QC-TXT
PM	:	AJC
PROJECT NAME	:	CTO 426 NLON
QC LEVEL	:	IV
REGULATORY LIST	:	NFESC
REPORT INSTRUCTIONS	:	Rpt to MDL. Data summary needs all forms. Send hc and 1 CD w/ PDF to Lucy. Send 1 CD w/ PDF & EDD to Tobrena.
SDG ID	:	CTO426-3
SDG STATUS	:	End

Laboratory Sample ID	Client Sample Number	Collect Date/Time	Receive Date	PR	Verbal Date	Due Date	Mailed
SB3101-1	AWD-GW-MW302-061108	11-JUN-08 12:15	12-JUN-08			01-JUL-08	

Matrix		Product	Hold Date (shortest)	Bottle Type	Bottle Count	Comments
Aqueous	S	SW8015M-TPH-CT	18-JUN-08	1L N-Amber Glass	2	
Aqueous	S	SW8260-S	25-JUN-08	40mL Vial+HCl	3	

SB3101-2	AWDSWPZ203A20080611	11-JUN-08 11:45	12-JUN-08			01-JUL-08

Matrix		Product	Hold Date (shortest)	Bottle Type	Bottle Count	Comments
Aqueous	S	SW8015M-TPH-CT	18-JUN-08	1L N-Amber Glass	1	

SB3101-3	AWD-GWMW30120080611	11-JUN-08 10:30	12-JUN-08			01-JUL-08

Matrix		Product	Hold Date (shortest)	Bottle Type	Bottle Count	Comments
Aqueous	S	SW8015M-TPH-CT	18-JUN-08	1L N-Amber Glass	2	
Aqueous	S	SW8260-S	25-JUN-08	40mL Vial+HCl	3	

SB3101-4	AWD-GWMW401-061108	11-JUN-08 09:30	12-JUN-08			01-JUL-08

Matrix		Product	Hold Date (shortest)	Bottle Type	Bottle Count	Comments
Aqueous	S	SW8015M-TPH-CT	18-JUN-08	1L N-Amber Glass	2	
Aqueous	S	SW8260-S	25-JUN-08	40mL Vial+HCl	3	

SB3101-5	AWD-GWMW303-061108	11-JUN-08 10:50	12-JUN-08			01-JUL-08

Matrix		Product	Hold Date (shortest)	Bottle Type	Bottle Count	Comments
Aqueous	S	SW8015M-TPH-CT	18-JUN-08	1L N-Amber Glass	2	
Aqueous	S	SW8260-S	25-JUN-08	40mL Vial+HCl	3	

SB3101-6	AWD-GW-DUP02	11-JUN-08 00:00	12-JUN-08			01-JUL-08

Matrix		Product	Hold Date (shortest)	Bottle Type	Bottle Count	Comments
Aqueous	S	SW8015M-TPH-CT	18-JUN-08	1L N-Amber Glass	2	
Aqueous	S	SW8260-S	25-JUN-08	40mL Vial+HCl	3	

Total Samples: *6* ***Total Analyses:*** *11*

SAMPLE DATA SUMMARY PACKAGE

KATAHDIN ANALYTICAL SERVICES - ORGANIC DATA QUALIFIERS

U Indicates the compound was analyzed for but not detected above the laboratory Practical Quantitation Limit.

* Compound recovery outside of quality control limits.

D Indicates the result was obtained from analysis of a diluted sample. Surrogate recoveries may not be calculable.

E Estimated value. This flag identifies compounds whose concentrations exceed the upper level of the calibration range of the instrument for that specific analysis.

J Estimated value. The analyte was detected in the sample at a concentration less than the laboratory Practical Quantitation Limit (PQL), but above the Method Detection Limit (MDL).

or

J Used for Pesticide/Aroclor analyte when there is a greater than 40% difference for detected concentrations between the two GC columns.

B Indicates the analyte was detected in the laboratory method blank analyzed concurrently with the sample.

N Presumptive evidence of a compound based on a mass spectral library search.

A Indicates that a tentatively identified compound is a suspected aldol-condensation product.

P Used for Pesticide/Aroclor analyte when there is a greater than 25% difference for detected concentrations between the two GC columns. (for CLP methods only).

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 06/09/08
Received Date: 06/11/08
Extraction Date:
Analysis Date: 18-JUN-2008 13:16
Report Date: 06/26/2008
Matrix: WATER
% Solids: NA

Lab ID: SB3059-1
Client ID: AWD-GW-MW103-060908
SDG: CTO426-3
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG52635
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
1634-04-4	Methyl tert-butyl ether	U	1	1.0	1	1	0.5
71-43-2	Benzene	U	1	1.0	1	1	0.3
108-88-3	Toluene	U	1	1.0	1	1	0.4
100-41-4	Ethylbenzene	U	1	1.0	1	1	0.3
1330-20-7	Xylenes (total)	U	3	1.0	3	3	0.3
	m+p-Xylenes	U	2	1.0	2	2	0.7
95-47-6	o-Xylene	U	1	1.0	1	1	0.3
98-82-8	Isopropylbenzene	U	1	1.0	1	1	0.4
91-20-3	Naphthalene	U	1	1.0	1	1	0.4
1868-53-7	Dibromofluoromethane		100%				
17060-07-0	1,2-Dichloroethane-D4		98%				
2037-26-5	Toluene-D8		101%				
460-00-4	P-Bromofluorobenzene		109%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 06/09/08
Received Date: 06/11/08
Extraction Date:
Analysis Date: 18-JUN-2008 13:47
Report Date: 06/26/2008
Matrix: WATER
% Solids: NA

Lab ID: SB3059-2
Client ID: AWD-GW-MW102-060908
SDG: CTO426-3
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG52635
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
1634-04-4	Methyl tert-butyl ether	U	1	1.0	1	1	0.5
71-43-2	Benzene	U	1	1.0	1	1	0.3
108-88-3	Toluene	U	1	1.0	1	1	0.4
100-41-4	Ethylbenzene	U	1	1.0	1	1	0.3
1330-20-7	Xylenes (total)	U	3	1.0	3	3	0.3
	m+p-Xylenes	U	2	1.0	2	2	0.7
95-47-6	o-Xylene	U	1	1.0	1	1	0.3
98-82-8	Isopropylbenzene	U	1	1.0	1	1	0.4
91-20-3	Naphthalene	U	1	1.0	1	1	0.4
1868-53-7	Dibromofluoromethane		98%				
17060-07-0	1,2-Dichloroethane-D4		99%				
2037-26-5	Toluene-D8		100%				
460-00-4	P-Bromofluorobenzene		104%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 06/09/08
Received Date: 06/11/08
Extraction Date:
Analysis Date: 18-JUN-2008 15:52
Report Date: 06/26/2008
Matrix: WATER
% Solids: NA

Lab ID: SB3059-3
Client ID: AWD-GWMW40420080609
SDG: CTO426-3
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG52635
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
1634-04-4	Methyl tert-butyl ether	U	1	1.0	1	1	0.5
71-43-2	Benzene	U	1	1.0	1	1	0.3
108-88-3	Toluene	U	1	1.0	1	1	0.4
100-41-4	Ethylbenzene		3	1.0	1	1	0.3
1330-20-7	Xylenes (total)	U	3	1.0	3	3	0.3
	m+p-Xylenes	U	2	1.0	2	2	0.7
95-47-6	o-Xylene	U	1	1.0	1	1	0.3
98-82-8	Isopropylbenzene		4	1.0	1	1	0.4
91-20-3	Naphthalene	J	0.5	1.0	1	1	0.4
1868-53-7	Dibromofluoromethane		101%				
17060-07-0	1,2-Dichloroethane-D4		101%				
2037-26-5	Toluene-D8		103%				
460-00-4	P-Bromofluorobenzene		112%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 06/09/08
Received Date: 06/11/08
Extraction Date:
Analysis Date: 18-JUN-2008 14:19
Report Date: 06/26/2008
Matrix: WATER
% Solids: NA

Lab ID: SB3059-4
Client ID: GW-MW104-060908
SDG: CTO426-3
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG52635
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
1634-04-4	Methyl tert-butyl ether	U	1	1.0	1	1	0.5
71-43-2	Benzene	U	1	1.0	1	1	0.3
108-88-3	Toluene	U	1	1.0	1	1	0.4
100-41-4	Ethylbenzene	U	1	1.0	1	1	0.3
1330-20-7	Xylenes (total)	U	3	1.0	3	3	0.3
	m+p-Xylenes	U	2	1.0	2	2	0.7
95-47-6	o-Xylene	U	1	1.0	1	1	0.3
98-82-8	Isopropylbenzene	U	1	1.0	1	1	0.4
91-20-3	Naphthalene	U	1	1.0	1	1	0.4
1868-53-7	Dibromofluoromethane		98%				
17060-07-0	1,2-Dichloroethane-D4		98%				
2037-26-5	Toluene-D8		102%				
460-00-4	P-Bromofluorobenzene		105%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 06/09/08
Received Date: 06/11/08
Extraction Date:
Analysis Date: 18-JUN-2008 16:23
Report Date: 06/26/2008
Matrix: WATER
% Solids: NA

Lab ID: SB3059-5
Client ID: AWD-GWMW40320080609
SDG: CTO426-3
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG52635
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
1634-04-4	Methyl tert-butyl ether	U	1	1.0	1	1	0.5
71-43-2	Benzene	U	1	1.0	1	1	0.3
108-88-3	Toluene	U	1	1.0	1	1	0.4
100-41-4	Ethylbenzene	J	0.5	1.0	1	1	0.3
1330-20-7	Xylenes (total)	U	3	1.0	3	3	0.3
	m+p-Xylenes	U	2	1.0	2	2	0.7
95-47-6	o-Xylene	U	1	1.0	1	1	0.3
98-82-8	Isopropylbenzene	U	1	1.0	1	1	0.4
91-20-3	Naphthalene		1	1.0	1	1	0.4
1868-53-7	Dibromofluoromethane		101%				
17060-07-0	1,2-Dichloroethane-D4		99%				
2037-26-5	Toluene-D8		101%				
460-00-4	P-Bromofluorobenzene		108%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 06/09/08
Received Date: 06/11/08
Extraction Date:
Analysis Date: 19-JUN-2008 15:25
Report Date: 06/26/2008
Matrix: WATER
% Solids: NA

Lab ID: SB3059-6RA
Client ID: AWD-GWMW40220080609
SDG: CTO426-3
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG52683
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
1634-04-4	Methyl tert-butyl ether	U	1	1.0	1	1	0.5
71-43-2	Benzene	U	1	1.0	1	1	0.3
108-88-3	Toluene	U	1	1.0	1	1	0.4
100-41-4	Ethylbenzene		1	1.0	1	1	0.3
1330-20-7	Xylenes (total)	J	1	1.0	3	3	0.3
	m+p-Xylenes	J	1.0	1.0	2	2	0.7
95-47-6	o-Xylene	J	0.3	1.0	1	1	0.3
98-82-8	Isopropylbenzene		2	1.0	1	1	0.4
91-20-3	Naphthalene		10	1.0	1	1	0.4
1868-53-7	Dibromofluoromethane		102%				
17060-07-0	1,2-Dichloroethane-D4		101%				
2037-26-5	Toluene-D8		99%				
460-00-4	P-Bromofluorobenzene		109%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 06/10/08
Received Date: 06/11/08
Extraction Date:
Analysis Date: 19-JUN-2008 15:56
Report Date: 06/26/2008
Matrix: WATER
% Solids: NA

Lab ID: SB3059-7RA
Client ID: AWD-GW-MW304061008
SDG: CTO426-3
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG52683
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
1634-04-4	Methyl tert-butyl ether	U	1	1.0	1	1	0.5
71-43-2	Benzene	U	1	1.0	1	1	0.3
108-88-3	Toluene	U	1	1.0	1	1	0.4
100-41-4	Ethylbenzene	U	1	1.0	1	1	0.3
1330-20-7	Xylenes (total)	U	3	1.0	3	3	0.3
	m+p-Xylenes	U	2	1.0	2	2	0.7
95-47-6	o-Xylene	U	1	1.0	1	1	0.3
98-82-8	Isopropylbenzene	J	0.7	1.0	1	1	0.4
91-20-3	Naphthalene	J	0.4	1.0	1	1	0.4
1868-53-7	Dibromofluoromethane		104%				
17060-07-0	1,2-Dichloroethane-D4		97%				
2037-26-5	Toluene-D8		107%				
460-00-4	P-Bromofluorobenzene		107%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 06/10/08
Received Date: 06/11/08
Extraction Date:
Analysis Date: 18-JUN-2008 19:35
Report Date: 06/26/2008
Matrix: WATER
% Solids: NA

Lab ID: SB3059-8
Client ID: AWD-GW-MW101061008
SDG: CTO426-3
Extracted by:
Extraction Method: SW846 5030
Analyst: TTC
Analysis Method: SW846 8260B
Lab Prep Batch: WG52642
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
1634-04-4	Methyl tert-butyl ether	U	1	1.0	1	1	0.5
71-43-2	Benzene	U	1	1.0	1	1	0.3
108-88-3	Toluene	U	1	1.0	1	1	0.4
100-41-4	Ethylbenzene	U	1	1.0	1	1	0.3
1330-20-7	Xylenes (total)	U	3	1.0	3	3	0.3
	m+p-Xylenes	U	2	1.0	2	2	0.7
95-47-6	o-Xylene	U	1	1.0	1	1	0.3
98-82-8	Isopropylbenzene	U	1	1.0	1	1	0.4
91-20-3	Naphthalene	U	1	1.0	1	1	0.4
1868-53-7	Dibromofluoromethane		110%				
17060-07-0	1,2-Dichloroethane-D4		125%				
2037-26-5	Toluene-D8		97%				
460-00-4	P-Bromofluorobenzene		98%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 06/10/08
Received Date: 06/11/08
Extraction Date:
Analysis Date: 19-JUN-2008 16:58
Report Date: 06/26/2008
Matrix: WATER
% Solids: NA

Lab ID: SB3059-9
Client ID: AWD-GW-MW305061008
SDG: CTO426-3
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG52683
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
1634-04-4	Methyl tert-butyl ether	U	1	1.0	1	1	0.5
71-43-2	Benzene	U	1	1.0	1	1	0.3
108-88-3	Toluene	U	1	1.0	1	1	0.4
100-41-4	Ethylbenzene	U	1	1.0	1	1	0.3
1330-20-7	Xylenes (total)	U	3	1.0	3	3	0.3
	m+p-Xylenes	U	2	1.0	2	2	0.7
95-47-6	o-Xylene	U	1	1.0	1	1	0.3
98-82-8	Isopropylbenzene	U	1	1.0	1	1	0.4
91-20-3	Naphthalene	U	1	1.0	1	1	0.4
1868-53-7	Dibromofluoromethane		106%				
17060-07-0	1,2-Dichloroethane-D4		100%				
2037-26-5	Toluene-D8		105%				
460-00-4	P-Bromofluorobenzene		110%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 06/10/08
Received Date: 06/11/08
Extraction Date:
Analysis Date: 19-JUN-2008 17:29
Report Date: 06/26/2008
Matrix: WATER
% Solids: NA

Lab ID: SB3059-10
Client ID: AWD-GW-MW201061008
SDG: CTO426-3
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG52683
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
1634-04-4	Methyl tert-butyl ether	U	1	1.0	1	1	0.5
71-43-2	Benzene	U	1	1.0	1	1	0.3
108-88-3	Toluene	U	1	1.0	1	1	0.4
100-41-4	Ethylbenzene	U	1	1.0	1	1	0.3
1330-20-7	Xylenes (total)	U	3	1.0	3	3	0.3
	m+p-Xylenes	U	2	1.0	2	2	0.7
95-47-6	o-Xylene	U	1	1.0	1	1	0.3
98-82-8	Isopropylbenzene	U	1	1.0	1	1	0.4
91-20-3	Naphthalene	U	1	1.0	1	1	0.4
1868-53-7	Dibromofluoromethane		108%				
17060-07-0	1,2-Dichloroethane-D4		100%				
2037-26-5	Toluene-D8		97%				
460-00-4	P-Bromofluorobenzene		108%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 06/10/08
Received Date: 06/11/08
Extraction Date:
Analysis Date: 19-JUN-2008 18:00
Report Date: 06/26/2008
Matrix: WATER
% Solids: NA

Lab ID: SB3059-11
Client ID: AWD-GW-DUP01
SDG: CTO426-3
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG52683
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
1634-04-4	Methyl tert-butyl ether	U	1	1.0	1	1	0.5
71-43-2	Benzene	U	1	1.0	1	1	0.3
108-88-3	Toluene	U	1	1.0	1	1	0.4
100-41-4	Ethylbenzene	U	1	1.0	1	1	0.3
1330-20-7	Xylenes (total)	U	3	1.0	3	3	0.3
	m+p-Xylenes	U	2	1.0	2	2	0.7
95-47-6	o-Xylene	U	1	1.0	1	1	0.3
98-82-8	Isopropylbenzene	U	1	1.0	1	1	0.4
91-20-3	Naphthalene	U	1	1.0	1	1	0.4
1868-53-7	Dibromofluoromethane		103%				
17060-07-0	1,2-Dichloroethane-D4		98%				
2037-26-5	Toluene-D8		106%				
460-00-4	P-Bromofluorobenzene		108%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 06/10/08
Received Date: 06/11/08
Extraction Date:
Analysis Date: 19-JUN-2008 18:32
Report Date: 06/26/2008
Matrix: WATER
% Solids: NA

Lab ID: SB3059-12
Client ID: AWD-GWMW20220080610
SDG: CTO426-3
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG52683
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
1634-04-4	Methyl tert-butyl ether	U	1	1.0	1	1	0.5
71-43-2	Benzene	U	1	1.0	1	1	0.3
108-88-3	Toluene	U	1	1.0	1	1	0.4
100-41-4	Ethylbenzene	J	0.4	1.0	1	1	0.3
1330-20-7	Xylenes (total)	U	3	1.0	3	3	0.3
	m+p-Xylenes	U	2	1.0	2	2	0.7
95-47-6	o-Xylene	U	1	1.0	1	1	0.3
98-82-8	Isopropylbenzene		1	1.0	1	1	0.4
91-20-3	Naphthalene	J	0.5	1.0	1	1	0.4
1868-53-7	Dibromofluoromethane		104%				
17060-07-0	1,2-Dichloroethane-D4		103%				
2037-26-5	Toluene-D8		106%				
460-00-4	P-Bromofluorobenzene		114%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 06/10/08
Received Date: 06/11/08
Extraction Date:
Analysis Date: 19-JUN-2008 19:03
Report Date: 06/26/2008
Matrix: WATER
% Solids: NA

Lab ID: SB3059-13
Client ID: AWD-GWMW1420080610
SDG: CTO426-3
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG52683
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
1634-04-4	Methyl tert-butyl ether	U	1	1.0	1	1	0.5
71-43-2	Benzene	U	1	1.0	1	1	0.3
108-88-3	Toluene	U	1	1.0	1	1	0.4
100-41-4	Ethylbenzene	U	1	1.0	1	1	0.3
1330-20-7	Xylenes (total)	U	3	1.0	3	3	0.3
	m+p-Xylenes	U	2	1.0	2	2	0.7
95-47-6	o-Xylene	U	1	1.0	1	1	0.3
98-82-8	Isopropylbenzene		2	1.0	1	1	0.4
91-20-3	Naphthalene	J	0.4	1.0	1	1	0.4
1868-53-7	Dibromofluoromethane		104%				
17060-07-0	1,2-Dichloroethane-D4		99%				
2037-26-5	Toluene-D8		104%				
460-00-4	P-Bromofluorobenzene		115%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 06/10/08
Received Date: 06/11/08
Extraction Date:
Analysis Date: 19-JUN-2008 11:16
Report Date: 06/26/2008
Matrix: WATER
% Solids: NA

Lab ID: SB3059-14
Client ID: AWD-TB061008
SDG: CTO426-3
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG52683
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
1634-04-4	Methyl tert-butyl ether	U	1	1.0	1	1	0.5
71-43-2	Benzene	U	1	1.0	1	1	0.3
108-88-3	Toluene	U	1	1.0	1	1	0.4
100-41-4	Ethylbenzene	U	1	1.0	1	1	0.3
1330-20-7	Xylenes (total)	U	3	1.0	3	3	0.3
	m+p-Xylenes	U	2	1.0	2	2	0.7
95-47-6	o-Xylene	U	1	1.0	1	1	0.3
98-82-8	Isopropylbenzene	U	1	1.0	1	1	0.4
91-20-3	Naphthalene	U	1	1.0	1	1	0.4
1868-53-7	Dibromofluoromethane		102%				
17060-07-0	1,2-Dichloroethane-D4		94%				
2037-26-5	Toluene-D8		103%				
460-00-4	P-Bromofluorobenzene		107%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 06/11/08
Received Date: 06/12/08
Extraction Date:
Analysis Date: 20-JUN-2008 16:43
Report Date: 06/26/2008
Matrix: WATER
% Solids: NA

Lab ID: SB3101-1
Client ID: AWD-GW-MW302-061108
SDG: CTO426-3
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG52722
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
1634-04-4	Methyl tert-butyl ether	U	1	1.0	1	1	0.5
71-43-2	Benzene	U	1	1.0	1	1	0.3
108-88-3	Toluene	U	1	1.0	1	1	0.4
100-41-4	Ethylbenzene	U	1	1.0	1	1	0.3
1330-20-7	Xylenes (total)	U	3	1.0	3	3	0.3
	m+p-Xylenes	U	2	1.0	2	2	0.7
95-47-6	o-Xylene	U	1	1.0	1	1	0.3
98-82-8	Isopropylbenzene	U	1	1.0	1	1	0.4
91-20-3	Naphthalene	U	1	1.0	1	1	0.4
1868-53-7	Dibromofluoromethane		105%				
17060-07-0	1,2-Dichloroethane-D4		99%				
2037-26-5	Toluene-D8		106%				
460-00-4	P-Bromofluorobenzene		101%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 06/11/08
Received Date: 06/12/08
Extraction Date:
Analysis Date: 20-JUN-2008 17:14
Report Date: 06/26/2008
Matrix: WATER
% Solids: NA

Lab ID: SB3101-3
Client ID: AWD-GWMW30120080611
SDG: CTO426-3
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG52722
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
1634-04-4	Methyl tert-butyl ether	U	1	1.0	1	1	0.5
71-43-2	Benzene	U	1	1.0	1	1	0.3
108-88-3	Toluene	U	1	1.0	1	1	0.4
100-41-4	Ethylbenzene	U	1	1.0	1	1	0.3
1330-20-7	Xylenes (total)	U	3	1.0	3	3	0.3
	m+p-Xylenes	U	2	1.0	2	2	0.7
95-47-6	o-Xylene	U	1	1.0	1	1	0.3
98-82-8	Isopropylbenzene	U	1	1.0	1	1	0.4
91-20-3	Naphthalene	U	1	1.0	1	1	0.4
1868-53-7	Dibromofluoromethane		104%				
17060-07-0	1,2-Dichloroethane-D4		99%				
2037-26-5	Toluene-D8		114%				
460-00-4	P-Bromofluorobenzene		109%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 06/11/08
Received Date: 06/12/08
Extraction Date:
Analysis Date: 20-JUN-2008 17:45
Report Date: 06/26/2008
Matrix: WATER
% Solids: NA

Lab ID: SB3101-4
Client ID: AWD-GWMW401-061108
SDG: CTO426-3
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG52722
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
1634-04-4	Methyl tert-butyl ether	U	1	1.0	1	1	0.5
71-43-2	Benzene	U	1	1.0	1	1	0.3
108-88-3	Toluene	U	1	1.0	1	1	0.4
100-41-4	Ethylbenzene	U	1	1.0	1	1	0.3
1330-20-7	Xylenes (total)	U	3	1.0	3	3	0.3
	m+p-Xylenes	U	2	1.0	2	2	0.7
95-47-6	o-Xylene	U	1	1.0	1	1	0.3
98-82-8	Isopropylbenzene	U	1	1.0	1	1	0.4
91-20-3	Naphthalene	U	1	1.0	1	1	0.4
1868-53-7	Dibromofluoromethane		105%				
17060-07-0	1,2-Dichloroethane-D4		98%				
2037-26-5	Toluene-D8		108%				
460-00-4	P-Bromofluorobenzene		104%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 06/11/08
Received Date: 06/12/08
Extraction Date:
Analysis Date: 20-JUN-2008 18:16
Report Date: 06/26/2008
Matrix: WATER
% Solids: NA

Lab ID: SB3101-5
Client ID: AWD-GWMW303-061108
SDG: CTO426-3
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG52722
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
1634-04-4	Methyl tert-butyl ether	U	1	1.0	1	1	0.5
71-43-2	Benzene	U	1	1.0	1	1	0.3
108-88-3	Toluene	U	1	1.0	1	1	0.4
100-41-4	Ethylbenzene	J	0.5	1.0	1	1	0.3
1330-20-7	Xylenes (total)	J	2	1.0	3	3	0.3
	m+p-Xylenes	J	1	1.0	2	2	0.7
95-47-6	o-Xylene	J	0.9	1.0	1	1	0.3
98-82-8	Isopropylbenzene		7	1.0	1	1	0.4
91-20-3	Naphthalene		21	1.0	1	1	0.4
1868-53-7	Dibromofluoromethane		100%				
17060-07-0	1,2-Dichloroethane-D4		99%				
2037-26-5	Toluene-D8		105%				
460-00-4	P-Bromofluorobenzene		100%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 06/11/08
Received Date: 06/12/08
Extraction Date:
Analysis Date: 20-JUN-2008 18:48
Report Date: 06/26/2008
Matrix: WATER
% Solids: NA

Lab ID: SB3101-6
Client ID: AWD-GW-DUP02
SDG: CTO426-3
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG52722
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
1634-04-4	Methyl tert-butyl ether	U	1	1.0	1	1	0.5
71-43-2	Benzene	U	1	1.0	1	1	0.3
108-88-3	Toluene	U	1	1.0	1	1	0.4
100-41-4	Ethylbenzene	U	1	1.0	1	1	0.3
1330-20-7	Xylenes (total)	U	3	1.0	3	3	0.3
	m+p-Xylenes	U	2	1.0	2	2	0.7
95-47-6	o-Xylene	U	1	1.0	1	1	0.3
98-82-8	Isopropylbenzene	U	1	1.0	1	1	0.4
91-20-3	Naphthalene	U	1	1.0	1	1	0.4
1868-53-7	Dibromofluoromethane		108%				
17060-07-0	1,2-Dichloroethane-D4		96%				
2037-26-5	Toluene-D8		100%				
460-00-4	P-Bromofluorobenzene		100%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client:
Project: CTO 426 NLON
PO No:
Sample Date:
Received Date:
Extraction Date:
Analysis Date: 18-JUN-2008 13:21
Report Date: 06/26/2008
Matrix: WATER
% Solids: NA

Lab ID: WG52642-2
Client ID: WG52642-Blank
SDG: CTO426-3
Extracted by:
Extraction Method: SW846 5030
Analyst: TTC
Analysis Method: SW846 8260B
Lab Prep Batch: WG52642
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
1634-04-4	Methyl tert-butyl ether	U	1	1.0	1	1	0.5
71-43-2	Benzene	U	1	1.0	1	1	0.3
108-88-3	Toluene	U	1	1.0	1	1	0.4
100-41-4	Ethylbenzene	U	1	1.0	1	1	0.3
1330-20-7	Xylenes (total)	U	3	1.0	3	3	0.3
	m+p-Xylenes	U	2	1.0	2	2	0.7
95-47-6	o-Xylene	U	1	1.0	1	1	0.3
98-82-8	Isopropylbenzene	U	1	1.0	1	1	0.4
91-20-3	Naphthalene	U	1	1.0	1	1	0.4
1868-53-7	Dibromofluoromethane		99%				
17060-07-0	1,2-Dichloroethane-D4		115%				
2037-26-5	Toluene-D8		95%				
460-00-4	P-Bromofluorobenzene		93%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client:
Project: CTO 426 NLON
PO No:
Sample Date:
Received Date:
Extraction Date:
Analysis Date: 18-JUN-2008 11:12
Report Date: 06/26/2008
Matrix: WATER
% Solids: NA

Lab ID: WG52635-2
Client ID: WG52635-Blank
SDG: CTO426-3
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG52635
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
1634-04-4	Methyl tert-butyl ether	U	1	1.0	1	1	0.5
71-43-2	Benzene	U	1	1.0	1	1	0.3
108-88-3	Toluene	U	1	1.0	1	1	0.4
100-41-4	Ethylbenzene	U	1	1.0	1	1	0.3
1330-20-7	Xylenes (total)	U	3	1.0	3	3	0.3
	m+p-Xylenes	U	2	1.0	2	2	0.7
95-47-6	o-Xylene	U	1	1.0	1	1	0.3
98-82-8	Isopropylbenzene	U	1	1.0	1	1	0.4
91-20-3	Naphthalene	U	1	1.0	1	1	0.4
1868-53-7	Dibromofluoromethane		102%				
17060-07-0	1,2-Dichloroethane-D4		99%				
2037-26-5	Toluene-D8		102%				
460-00-4	P-Bromofluorobenzene		112%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client:
Project: CTO 426 NLON
PO No:
Sample Date:
Received Date:
Extraction Date:
Analysis Date: 19-JUN-2008 10:45
Report Date: 06/26/2008
Matrix: WATER
% Solids: NA

Lab ID: WG52683-2
Client ID: WG52683-Blank
SDG: CTO426-3
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG52683
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
1634-04-4	Methyl tert-butyl ether	U	1	1.0	1	1	0.5
71-43-2	Benzene	U	1	1.0	1	1	0.3
108-88-3	Toluene	U	1	1.0	1	1	0.4
100-41-4	Ethylbenzene	U	1	1.0	1	1	0.3
1330-20-7	Xylenes (total)	U	3	1.0	3	3	0.3
	m+p-Xylenes	U	2	1.0	2	2	0.7
95-47-6	o-Xylene	U	1	1.0	1	1	0.3
98-82-8	Isopropylbenzene	U	1	1.0	1	1	0.4
91-20-3	Naphthalene	U	1	1.0	1	1	0.4
1868-53-7	Dibromofluoromethane		103%				
17060-07-0	1,2-Dichloroethane-D4		94%				
2037-26-5	Toluene-D8		100%				
460-00-4	P-Bromofluorobenzene		102%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client:
Project: CTO 426 NLON
PO No:
Sample Date:
Received Date:
Extraction Date:
Analysis Date: 20-JUN-2008 09:49
Report Date: 06/26/2008
Matrix: WATER
% Solids: NA

Lab ID: WG52722-2
Client ID: WG52722-Blank
SDG: CTO426-3
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG52722
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
1634-04-4	Methyl tert-butyl ether	U	1	1.0	1	1	0.5
71-43-2	Benzene	U	1	1.0	1	1	0.3
108-88-3	Toluene	U	1	1.0	1	1	0.4
100-41-4	Ethylbenzene	U	1	1.0	1	1	0.3
1330-20-7	Xylenes (total)	U	3	1.0	3	3	0.3
	m+p-Xylenes	U	2	1.0	2	2	0.7
95-47-6	o-Xylene	U	1	1.0	1	1	0.3
98-82-8	Isopropylbenzene	U	1	1.0	1	1	0.4
91-20-3	Naphthalene	U	1	1.0	1	1	0.4
1868-53-7	Dibromofluoromethane		105%				
17060-07-0	1,2-Dichloroethane-D4		103%				
2037-26-5	Toluene-D8		101%				
460-00-4	P-Bromofluorobenzene		102%				

FORM 2
WATER VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 426 NLON SDG No.: CTO426-3

	CLIENT SAMPLE ID	LAB SAMPLE ID	SMC1 DBF#	SMC2 DCA#	SMC3 TOL#	SMC4 BFB#	TOT OUT
01	WG52635-LCS	WG52635-1	102	98	102	111	0
02	WG52635-BLANK	WG52635-2	102	99	102	112	0
03	WG52642-LCS	WG52642-1	87	100	90	96	0
04	AWD-GW-MW103-060908	SB3059-1	100	98	101	109	0
05	WG52642-BLANK	WG52642-2	99	115	95	93	0
06	AWD-GW-MW102-060908	SB3059-2	98	99	100	104	0
07	GW-MW104-060908	SB3059-4	98	98	102	105	0
08	AWD-GWMW40420080609	SB3059-3	101	101	103	112	0
09	AWD-GWMW40320080609	SB3059-5	101	99	101	108	0
10	GW-MW104-060908MS	WG52635-3	96	96	103	108	0
11	GW-MW104-060908MSD	WG52635-4	103	96	105	110	0
12	AWD-GW-MW101061008	SB3059-8	110	125	97	98	0
13	WG52683-LCS	WG52683-1	98	92	102	110	0
14	WG52683-BLANK	WG52683-2	103	94	100	102	0
15	AWD-TB061008	SB3059-14	102	94	103	107	0
16	AWD-GWMW40220080609	SB3059-6RA	102	101	99	109	0
17	AWD-GW-MW304061008	SB3059-7RA	104	97	107	107	0
18	AWD-GW-MW305061008	SB3059-9	106	100	105	110	0
19	AWD-GW-MW201061008	SB3059-10	108	100	97	108	0
20	AWD-GW-DUP01	SB3059-11	103	98	106	108	0
21	AWD-GWMW20220080610	SB3059-12	104	103	106	114	0
22	AWD-GWMW1420080610	SB3059-13	104	99	104	115	0
23	WG52722-LCS	WG52722-1	105	100	106	108	0
24	WG52722-BLANK	WG52722-2	105	103	101	102	0
25	AWD-GW-MW302-061108	SB3101-1	105	99	106	101	0
26	AWD-GWMW30120080611	SB3101-3	104	99	114	109	0
27	AWD-GWMW401-061108	SB3101-4	105	98	108	104	0
28	AWD-GWMW303-061108	SB3101-5	100	99	105	100	0

		QC LIMITS
SMC1 (DBF)	= Dibromofluoromethane	(76-114)
SMC2 (DCA)	= 1,2-Dichloroethane-D4	(71-128)
SMC3 (TOL)	= Toluene-D8	(74-117)
SMC4 (BFB)	= P-Bromofluorobenzene	(67-127)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D System Monitoring Compound diluted out

FORM 2
WATER VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 426 NLON SDG No.: CTO426-3

	CLIENT SAMPLE ID	LAB SAMPLE ID	SMC1 DBF#	SMC2 DCA#	SMC3 TOL#	SMC4 BFB#	TOT OUT
01	AWD-GW-DUP02	SB3101-6	108	96	100	100	0
02							
03							
04							
05							
06							
07							
08							
09							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							
23							
24							
25							
26							
27							
28							

		QC LIMITS
SMC1 (DBF)	= Dibromofluoromethane	(76-114)
SMC2 (DCA)	= 1,2-Dichloroethane-D4	(71-128)
SMC3 (TOL)	= Toluene-D8	(74-117)
SMC4 (BFB)	= P-Bromofluorobenzene	(67-127)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D System Monitoring Compound diluted out

KATAHDIN ANALYTICAL SERVICES
LAB CONTROL SAMPLE

Client:
Project: CTO 426 NLON
PO No:
Sample Date:
Received Date:
Extraction Date:
Analysis Date: 06/18/08
Report Date: 06/26/2008
Matrix: WATER

Lab ID: WG52642-1
Client ID: WG52642-LCS
SDG: CTO426-3
Extracted by:
Extraction Method: SW846 5030
Analyst: TTC
Analysis Method: SW846 8260B
Lab Prep Batch: WG52642
Units: ug/l

COMPOUND	LCS SPIKE	SAMPLE CONC.	LCS CONC.		%REC.	QC. LIMITS
Dichlorodifluoromethane	50	NA	15		30	20-143
Chloromethane	50	NA	23		46	34-132
Vinyl chloride	50	NA	26		53	48-136
Bromomethane	50	NA	34		69	52-129
Chloroethane	50	NA	38		75	43-146
Trichlorofluoromethane	50	NA	52		103	62-157
Diethyl Ether	50	NA	52		104	74-141
Tertiary-butyl alcohol	250	NA	228		91	10-152
1,1-Dichloroethene	50	NA	46		91	64-126
Carbon Disulfide	50	NA	50		99	59-136
Freon-113	50	NA	51		103	78-140
Iodomethane	50	NA	57	*	114	54-107
Acrolein	250	NA	242		97	42-156
Methylene Chloride	50	NA	44		89	63-122
Acetone	50	NA	49		97	15-160
Isobutyl Alcohol	1000	NA	964		96	10-169
trans-1,2-Dichloroethene	50	NA	47		93	65-128
Allyl Chloride	50	NA	56		111	64-150
Methyl tert-butyl ether	100	NA	110		110	71-140
Acetonitrile	500	NA	518		104	40-164
Di-isopropyl ether	50	NA	52		104	77-135
Chloroprene	50	NA	54		109	82-133
Methacrylonitrile	500	NA	569		114	69-146
Propionitrile	500	NA	532		106	51-161
1,1-Dichloroethane	50	NA	53		106	74-135
Acrylonitrile	250	NA	261		104	67-144
Ethyl tertiary-butyl ether	50	NA	52		104	79-136
Vinyl Acetate	50	NA	54		109	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	48		95	71-136
2,2-Dichloropropane	50	NA	63		126	55-140
Bromochloromethane	50	NA	57		114	80-132
Chloroform	50	NA	56		111	80-125
Carbon Tetrachloride	50	NA	54		109	76-123
Tetrahydrofuran	50	NA	44		88	38-157
1,1,1-Trichloroethane	50	NA	54		109	79-125
1,1-Dichloropropene	50	NA	51		101	80-125
2-Butanone	50	NA	50		100	45-184
Benzene	50	NA	49		98	71-125
Cyclohexane	50	NA	62		125	57-128
Ethyl Methacrylate	50	NA	43		86	73-134
Tertiary-amyl methyl ether	50	NA	48		96	78-133
1,2-Dichloroethane	50	NA	58		116	75-125
Trichloroethene	50	NA	52		103	78-118

KATAHDIN ANALYTICAL SERVICES
LAB CONTROL SAMPLE

Client:
Project: CTO 426 NLON
PO No:
Sample Date:
Received Date:
Extraction Date:
Analysis Date: 06/18/08
Report Date: 06/26/2008
Matrix: WATER

Lab ID: WG52642-1
Client ID: WG52642-LCS
SDG: CTO426-3
Extracted by:
Extraction Method: SW846 5030
Analyst: TTC
Analysis Method: SW846 8260B
Lab Prep Batch: WG52642
Units: ug/l

COMPOUND	LCS SPIKE	SAMPLE CONC.	LCS CONC.	%REC.	QC. LIMITS
Dibromomethane	50	NA	51	102	73-125
1,2-Dichloropropane	50	NA	49	98	78-127
Bromodichloromethane	50	NA	52	105	76-118
cis-1,3-dichloropropene	50	NA	54	107	84-125
1,4-Dioxane	1000	NA	503	50	10-178
2-Chloroethylvinylether	50	NA	45	90	20-191
Toluene	50	NA	50	100	79-118
4-methyl-2-pentanone	50	NA	48	97	44-157
Tetrachloroethene	50	NA	51	103	71-137
trans-1,3-Dichloropropene	50	NA	59	118	89-137
1,1,2-Trichloroethane	50	NA	49	98	76-125
Dibromochloromethane	50	NA	51	103	77-119
1,3-Dichloropropane	50	NA	52	105	79-122
1,2-Dibromoethane	50	NA	48	96	78-124
2-Hexanone	50	NA	45	90	27-182
Chlorobenzene	50	NA	50	99	81-118
Ethylbenzene	50	NA	50	101	80-115
1,1,1,2-Tetrachloroethane	50	NA	51	101	79-118
Xylenes (total)	150	NA	154	103	85-114
m+p-Xylenes	100	NA	104	104	87-113
o-Xylene	50	NA	51	102	80-118
Styrene	50	NA	48	96	81-116
Bromoform	50	NA	49	99	69-129
Isopropylbenzene	50	NA	52	105	87-129
cis-1,4-Dichloro-2-Butene	50	NA	53	106	60-133
trans-1,4-Dichloro-2-Butene	50	NA	56	113	67-134
Bromobenzene	50	NA	48	95	83-112
N-Propylbenzene	50	NA	53	106	79-121
1,1,2,2-Tetrachloroethane	50	NA	46	92	68-133
1,3,5-Trimethylbenzene	50	NA	52	103	80-117
2-Chlorotoluene	50	NA	49	99	86-113
1,2,3-Trichloropropane	50	NA	49	98	63-133
4-Chlorotoluene	50	NA	52	103	84-117
tert-Butylbenzene	50	NA	49	97	78-122
Pentachloroethane	50	NA	39	79	64-135
1,2,4-Trimethylbenzene	50	NA	47	93	78-116
P-Isopropyltoluene	50	NA	48	96	79-123
1,3-Dichlorobenzene	50	NA	48	96	86-111
1,4-Dichlorobenzene	50	NA	47	94	78-118
N-Butylbenzene	50	NA	52	104	76-119
sec-Butylbenzene	50	NA	51	101	77-121
1,2-Dichlorobenzene	50	NA	46	91	86-113
1,2-Dibromo-3-Chloropropane	50	NA	47	93	63-133
1,3,5-Trichlorobenzene	50	NA	43	87	84-118
Hexachlorobutadiene	50	NA	42	84	70-114

KATAHDIN ANALYTICAL SERVICES
LAB CONTROL SAMPLE

Client:
Project: CTO 426 NLON
PO No:
Sample Date:
Received Date:
Extraction Date:
Analysis Date: 06/18/08
Report Date: 06/26/2008
Matrix: WATER

Lab ID: WG52642-1
Client ID: WG52642-LCS
SDG: CTO426-3
Extracted by:
Extraction Method: SW846 5030
Analyst: TTC
Analysis Method: SW846 8260B
Lab Prep Batch: WG52642
Units: ug/l

COMPOUND	LCS SPIKE	SAMPLE CONC.	LCS CONC.	%REC.	QC. LIMITS
1,2,4-Trichlorobenzene	50	NA	43	86	74-116
1,2,3-Trimethylbenzene	50	NA	48	96	85-124
Naphthalene	50	NA	39	77	64-121
1,2,3-Trichlorobenzene	50	NA	39	78	73-117
Methyl Acetate	50	NA	52	104	52-142
Methylcyclohexane	50	NA	51	102	83-125
1-Chlorohexane	50	NA	50	100	78-128
Total Alkylbenzenes	350	NA	350	100	60-140

KATAHDIN ANALYTICAL SERVICES
LAB CONTROL SAMPLE

Client:
Project: CTO 426 NLON
PO No:
Sample Date:
Received Date:
Extraction Date:
Analysis Date: 06/18/08
Report Date: 06/26/2008
Matrix: WATER

Lab ID: WG52635-1
Client ID: WG52635-LCS
SDG: CTO426-3
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG52635
Units: ug/l

COMPOUND	LCS SPIKE	SAMPLE CONC.	LCS CONC.		%REC.	QC. LIMITS
Dichlorodifluoromethane	50	NA	16		33	20-143
Chloromethane	50	NA	25		50	34-132
Vinyl chloride	50	NA	28		55	48-136
Bromomethane	50	NA	36		72	52-129
Chloroethane	50	NA	35		70	43-146
Trichlorofluoromethane	50	NA	48		97	62-157
Diethyl Ether	50	NA	54		107	74-141
Tertiary-butyl alcohol	250	NA	207		83	10-152
1,1-Dichloroethene	50	NA	48		95	64-126
Carbon Disulfide	50	NA	51		102	59-136
Freon-113	50	NA	56		112	78-140
Iodomethane	50	NA	61	*	122	54-107
Acrolein	250	NA	262		105	42-156
Methylene Chloride	50	NA	50		100	63-122
Acetone	50	NA	44		87	15-160
Isobutyl Alcohol	1000	NA	718		72	10-169
trans-1,2-Dichloroethene	50	NA	51		101	65-128
Allyl Chloride	50	NA	52		104	64-150
Methyl tert-butyl ether	100	NA	111		111	71-140
Acetonitrile	500	NA	469		94	40-164
Di-isopropyl ether	50	NA	49		99	77-135
Chloroprene	50	NA	53		106	82-133
Methacrylonitrile	500	NA	532		106	69-146
Propionitrile	500	NA	484		97	51-161
1,1-Dichloroethane	50	NA	50		100	74-135
Acrylonitrile	250	NA	244		98	67-144
Ethyl tertiary-butyl ether	50	NA	50		100	79-136
Vinyl Acetate	50	NA	54		108	57-139
cis-1,2-Dichloroethene	50	NA	47		95	75-117
1,2-Dichloroethylene (total)	100	NA	98		98	72-121
Methyl Methacrylate	50	NA	52		105	71-136
2,2-Dichloropropane	50	NA	54		107	55-140
Bromochloromethane	50	NA	55		110	80-132
Chloroform	50	NA	55		110	80-125
Carbon Tetrachloride	50	NA	55		110	76-123
Tetrahydrofuran	50	NA	45		90	38-157
1,1,1-Trichloroethane	50	NA	53		106	79-125
1,1-Dichloropropene	50	NA	50		101	80-125
2-Butanone	50	NA	44		87	45-184
Benzene	50	NA	45		90	71-125
Cyclohexane	50	NA	53		105	57-128
Ethyl Methacrylate	50	NA	50		100	73-134
Tertiary-amyl methyl ether	50	NA	48		96	78-133
1,2-Dichloroethane	50	NA	54		108	75-125
Trichloroethene	50	NA	49		97	78-118

KATAHDIN ANALYTICAL SERVICES
LAB CONTROL SAMPLE

Client:
Project: CTO 426 NLON
PO No:
Sample Date:
Received Date:
Extraction Date:
Analysis Date: 06/18/08
Report Date: 06/26/2008
Matrix: WATER

Lab ID: WG52635-1
Client ID: WG52635-LCS
SDG: CTO426-3
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG52635
Units: ug/l

COMPOUND	LCS SPIKE	SAMPLE CONC.	LCS CONC.	%REC.	QC. LIMITS
Dibromomethane	50	NA	52	104	73-125
1,2-Dichloropropane	50	NA	49	98	78-127
Bromodichloromethane	50	NA	52	104	76-118
cis-1,3-dichloropropene	50	NA	49	99	84-125
1,4-Dioxane	1000	NA	613	61	10-178
2-Chloroethylvinylether	50	NA	46	92	20-191
Toluene	50	NA	48	96	79-118
4-methyl-2-pentanone	50	NA	50	101	44-157
Tetrachloroethene	50	NA	47	94	71-137
trans-1,3-Dichloropropene	50	NA	58	117	89-137
1,1,2-Trichloroethane	50	NA	50	99	76-125
Dibromochloromethane	50	NA	56	112	77-119
1,3-Dichloropropane	50	NA	48	97	79-122
1,2-Dibromoethane	50	NA	50	100	78-124
2-Hexanone	50	NA	47	94	27-182
Chlorobenzene	50	NA	50	101	81-118
Ethylbenzene	50	NA	51	102	80-115
1,1,1,2-Tetrachloroethane	50	NA	53	105	79-118
Xylenes (total)	150	NA	159	106	85-114
m+p-Xylenes	100	NA	105	105	87-113
o-Xylene	50	NA	54	107	80-118
Styrene	50	NA	53	107	81-116
Bromoform	50	NA	55	110	69-129
Isopropylbenzene	50	NA	60	119	87-129
cis-1,4-Dichloro-2-Butene	50	NA	57	115	60-133
trans-1,4-Dichloro-2-Butene	50	NA	52	104	67-134
Bromobenzene	50	NA	51	101	83-112
N-Propylbenzene	50	NA	53	105	79-121
1,1,2,2-Tetrachloroethane	50	NA	51	103	68-133
1,3,5-Trimethylbenzene	50	NA	50	101	80-117
2-Chlorotoluene	50	NA	50	101	86-113
1,2,3-Trichloropropane	50	NA	49	98	63-133
4-Chlorotoluene	50	NA	51	101	84-117
tert-Butylbenzene	50	NA	51	102	78-122
Pentachloroethane	50	NA	52	104	64-135
1,2,4-Trimethylbenzene	50	NA	47	95	78-116
P-Isopropyltoluene	50	NA	54	108	79-123
1,3-Dichlorobenzene	50	NA	51	103	86-111
1,4-Dichlorobenzene	50	NA	49	98	78-118
N-Butylbenzene	50	NA	52	103	76-119
sec-Butylbenzene	50	NA	51	103	77-121
1,2-Dichlorobenzene	50	NA	49	98	86-113
1,2-Dibromo-3-Chloropropane	50	NA	51	102	63-133
1,3,5-Trichlorobenzene	50	NA	50	100	84-118
Hexachlorobutadiene	50	NA	54	108	70-114

KATAHDIN ANALYTICAL SERVICES
LAB CONTROL SAMPLE

Client:
Project: CTO 426 NLON
PO No:
Sample Date:
Received Date:
Extraction Date:
Analysis Date: 06/18/08
Report Date: 06/26/2008
Matrix: WATER

Lab ID: WG52635-1
Client ID: WG52635-LCS
SDG: CTO426-3
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG52635
Units: ug/l

COMPOUND	LCS SPIKE	SAMPLE CONC.	LCS CONC.	%REC.	QC. LIMITS
1,2,4-Trichlorobenzene	50	NA	53	107	74-116
1,2,3-Trimethylbenzene	50	NA	46	92	85-124
Naphthalene	50	NA	49	98	64-121
1,2,3-Trichlorobenzene	50	NA	50	100	73-117
Methyl Acetate	50	NA	50	100	52-142
Methylcyclohexane	50	NA	51	103	83-125
1-Chlorohexane	50	NA	50	99	78-128
Total Alkylbenzenes	350	NA	358	102	60-140

KATAHDIN ANALYTICAL SERVICES
LAB CONTROL SAMPLE

Client:
Project: CTO 426 NLON
PO No:
Sample Date:
Received Date:
Extraction Date:
Analysis Date: 06/19/08
Report Date: 06/26/2008
Matrix: WATER

Lab ID: WG52683-1
Client ID: WG52683-LCS
SDG: CTO426-3
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG52683
Units: ug/l

COMPOUND	LCS SPIKE	SAMPLE CONC.	LCS CONC.		%REC.	QC. LIMITS
Dichlorodifluoromethane	50	NA	31		62	20-143
Chloromethane	50	NA	38		76	34-132
Vinyl chloride	50	NA	42		83	48-136
Bromomethane	50	NA	50		101	52-129
Chloroethane	50	NA	47		94	43-146
Trichlorofluoromethane	50	NA	58		115	62-157
Diethyl Ether	50	NA	54		107	74-141
Tertiary-butyl alcohol	250	NA	215		86	10-152
1,1-Dichloroethene	50	NA	52		105	64-126
Carbon Disulfide	50	NA	56		113	59-136
Freon-113	50	NA	55		109	78-140
Iodomethane	50	NA	73	*	146	54-107
Acrolein	250	NA	272		109	42-156
Methylene Chloride	50	NA	52		104	63-122
Acetone	50	NA	41		82	15-160
Isobutyl Alcohol	1000	NA	782		78	10-169
trans-1,2-Dichloroethene	50	NA	54		108	65-128
Allyl Chloride	50	NA	56		112	64-150
Methyl tert-butyl ether	100	NA	110		110	71-140
Acetonitrile	500	NA	534		107	40-164
Di-isopropyl ether	50	NA	48		97	77-135
Chloroprene	50	NA	51		101	82-133
Methacrylonitrile	500	NA	506		101	69-146
Propionitrile	500	NA	498		100	51-161
1,1-Dichloroethane	50	NA	49		98	74-135
Acrylonitrile	250	NA	230		92	67-144
Ethyl tertiary-butyl ether	50	NA	51		101	79-136
Vinyl Acetate	50	NA	56		112	57-139
cis-1,2-Dichloroethene	50	NA	49		98	75-117
1,2-Dichloroethylene (total)	100	NA	103		103	72-121
Methyl Methacrylate	50	NA	55		111	71-136
2,2-Dichloropropane	50	NA	56		112	55-140
Bromochloromethane	50	NA	57		115	80-132
Chloroform	50	NA	54		107	80-125
Carbon Tetrachloride	50	NA	57		113	76-123
Tetrahydrofuran	50	NA	45		90	38-157
1,1,1-Trichloroethane	50	NA	54		107	79-125
1,1-Dichloropropene	50	NA	54		107	80-125
2-Butanone	50	NA	44		88	45-184
Benzene	50	NA	52		103	71-125
Cyclohexane	50	NA	55		111	57-128
Ethyl Methacrylate	50	NA	54		108	73-134
Tertiary-amyl methyl ether	50	NA	50		99	78-133
1,2-Dichloroethane	50	NA	53		106	75-125
Trichloroethene	50	NA	53		106	78-118

KATAHDIN ANALYTICAL SERVICES
LAB CONTROL SAMPLE

Client:
Project: CTO 426 NLON
PO No:
Sample Date:
Received Date:
Extraction Date:
Analysis Date: 06/19/08
Report Date: 06/26/2008
Matrix: WATER

Lab ID: WG52683-1
Client ID: WG52683-LCS
SDG: CTO426-3
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG52683
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	53	107	78-127
Bromodichloromethane	50	NA	49	98	76-118
cis-1,3-dichloropropene	50	NA	53	106	84-125
1,4-Dioxane	1000	NA	597	60	10-178
2-Chloroethylvinylether	50	NA	54	107	20-191
Toluene	50	NA	51	101	79-118
4-methyl-2-pentanone	50	NA	49	98	44-157
Tetrachloroethene	50	NA	46	91	71-137
trans-1,3-Dichloropropene	50	NA	61	122	89-137
1,1,2-Trichloroethane	50	NA	50	101	76-125
Dibromochloromethane	50	NA	51	102	77-119
1,3-Dichloropropane	50	NA	46	92	79-122
1,2-Dibromoethane	50	NA	51	102	78-124
2-Hexanone	50	NA	43	86	27-182
Chlorobenzene	50	NA	52	103	81-118
Ethylbenzene	50	NA	53	105	80-115
1,1,1,2-Tetrachloroethane	50	NA	54	107	79-118
Xylenes (total)	150	NA	152	101	85-114
m+p-Xylenes	100	NA	102	102	87-113
o-Xylene	50	NA	49	99	80-118
Styrene	50	NA	50	101	81-116
Bromoform	50	NA	50	100	69-129
Isopropylbenzene	50	NA	61	121	87-129
cis-1,4-Dichloro-2-Butene	50	NA	55	110	60-133
trans-1,4-Dichloro-2-Butene	50	NA	53	106	67-134
Bromobenzene	50	NA	51	102	83-112
N-Propylbenzene	50	NA	51	102	79-121
1,1,2,2-Tetrachloroethane	50	NA	47	95	68-133
1,3,5-Trimethylbenzene	50	NA	51	102	80-117
2-Chlorotoluene	50	NA	48	96	86-113
1,2,3-Trichloropropane	50	NA	47	93	63-133
4-Chlorotoluene	50	NA	49	98	84-117
tert-Butylbenzene	50	NA	50	99	78-122
Pentachloroethane	50	NA	53	106	64-135
1,2,4-Trimethylbenzene	50	NA	46	93	78-116
P-Isopropyltoluene	50	NA	52	104	79-123
1,3-Dichlorobenzene	50	NA	48	96	86-111
1,4-Dichlorobenzene	50	NA	50	100	78-118
N-Butylbenzene	50	NA	52	105	76-119
sec-Butylbenzene	50	NA	50	101	77-121
1,2-Dichlorobenzene	50	NA	49	99	86-113
1,2-Dibromo-3-Chloropropane	50	NA	46	93	63-133
1,3,5-Trichlorobenzene	50	NA	51	103	84-118
Hexachlorobutadiene	50	NA	52	104	70-114

KATAHDIN ANALYTICAL SERVICES
LAB CONTROL SAMPLE

Client:
Project: CTO 426 NLON
PO No:
Sample Date:
Received Date:
Extraction Date:
Analysis Date: 06/19/08
Report Date: 06/26/2008
Matrix: WATER

Lab ID: WG52683-1
Client ID: WG52683-LCS
SDG: CTO426-3
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG52683
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	52	105	85-124
Naphthalene	50	NA	44	89	64-121
1,2,3-Trichlorobenzene	50	NA	45	89	73-117
Methyl Acetate	50	NA	53	106	52-142
Methylcyclohexane	50	NA	51	101	83-125
1-Chlorohexane	50	NA	50	100	78-128
Total Alkylbenzenes	350	NA	352	100	60-140

KATAHDIN ANALYTICAL SERVICES
LAB CONTROL SAMPLE

Client:
Project: CTO 426 NLON
PO No:
Sample Date:
Received Date:
Extraction Date:
Analysis Date: 06/20/08
Report Date: 06/26/2008
Matrix: WATER

Lab ID: WG52722-1
Client ID: WG52722-LCS
SDG: CTO426-3
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG52722
Units: ug/l

COMPOUND	LCS SPIKE	SAMPLE CONC.	LCS CONC.		%REC.	QC. LIMITS
Dichlorodifluoromethane	50	NA	30		60	20-143
Chloromethane	50	NA	36		73	34-132
Vinyl chloride	50	NA	40		80	48-136
Bromomethane	50	NA	53		105	52-129
Chloroethane	50	NA	47		93	43-146
Trichlorofluoromethane	50	NA	60		120	62-157
Diethyl Ether	50	NA	58		116	74-141
Tertiary-butyl alcohol	250	NA	266		106	10-152
1,1-Dichloroethene	50	NA	57		113	64-126
Carbon Disulfide	50	NA	59		119	59-136
Freon-113	50	NA	58		116	78-140
Iodomethane	50	NA	69	*	137	54-107
Acrolein	250	NA	286		114	42-156
Methylene Chloride	50	NA	53		105	63-122
Acetone	50	NA	60		120	15-160
Isobutyl Alcohol	1000	NA	1100		110	10-169
trans-1,2-Dichloroethene	50	NA	50		100	65-128
Allyl Chloride	50	NA	55		110	64-150
Methyl tert-butyl ether	100	NA	113		113	71-140
Acetonitrile	500	NA	562		112	40-164
Di-isopropyl ether	50	NA	44		89	77-135
Chloroprene	50	NA	50		101	82-133
Methacrylonitrile	500	NA	538		108	69-146
Propionitrile	500	NA	541		108	51-161
1,1-Dichloroethane	50	NA	51		102	74-135
Acrylonitrile	250	NA	229		92	67-144
Ethyl tertiary-butyl ether	50	NA	52		103	79-136
Vinyl Acetate	50	NA	62		123	57-139
cis-1,2-Dichloroethene	50	NA	53		107	75-117
1,2-Dichloroethylene (total)	100	NA	103		103	72-121
Methyl Methacrylate	50	NA	58		117	71-136
2,2-Dichloropropane	50	NA	54		109	55-140
Bromochloromethane	50	NA	60		120	80-132
Chloroform	50	NA	58		115	80-125
Carbon Tetrachloride	50	NA	60		120	76-123
Tetrahydrofuran	50	NA	56		113	38-157
1,1,1-Trichloroethane	50	NA	57		114	79-125
1,1-Dichloropropene	50	NA	57		114	80-125
2-Butanone	50	NA	54		108	45-184
Benzene	50	NA	55		111	71-125
Cyclohexane	50	NA	55		109	57-128
Ethyl Methacrylate	50	NA	49		98	73-134
Tertiary-amyl methyl ether	50	NA	51		103	78-133
1,2-Dichloroethane	50	NA	61		122	75-125
Trichloroethene	50	NA	53		106	78-118

KATAHDIN ANALYTICAL SERVICES
LAB CONTROL SAMPLE

Client:
Project: CTO 426 NLON
PO No:
Sample Date:
Received Date:
Extraction Date:
Analysis Date: 06/20/08
Report Date: 06/26/2008
Matrix: WATER

Lab ID: WG52722-1
Client ID: WG52722-LCS
SDG: CTO426-3
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG52722
Units: ug/l

COMPOUND	LCS SPIKE	SAMPLE CONC.	LCS CONC.	%REC.	QC. LIMITS
Dibromomethane	50	NA	59	118	73-125
1,2-Dichloropropane	50	NA	61	123	78-127
Bromodichloromethane	50	NA	59	117	76-118
cis-1,3-dichloropropene	50	NA	58	115	84-125
1,4-Dioxane	1000	NA	764	76	10-178
2-Chloroethylvinylether	50	NA	62	125	20-191
Toluene	50	NA	56	112	79-118
4-methyl-2-pentanone	50	NA	59	118	44-157
Tetrachloroethene	50	NA	52	104	71-137
trans-1,3-Dichloropropene	50	NA	64	128	89-137
1,1,2-Trichloroethane	50	NA	54	107	76-125
Dibromochloromethane	50	NA	54	109	77-119
1,3-Dichloropropane	50	NA	50	101	79-122
1,2-Dibromoethane	50	NA	58	116	78-124
2-Hexanone	50	NA	54	108	27-182
Chlorobenzene	50	NA	54	107	81-118
Ethylbenzene	50	NA	50	101	80-115
1,1,1,2-Tetrachloroethane	50	NA	55	111	79-118
Xylenes (total)	150	NA	156	104	85-114
m+p-Xylenes	100	NA	104	104	87-113
o-Xylene	50	NA	52	104	80-118
Styrene	50	NA	55	110	81-116
Bromoform	50	NA	56	112	69-129
Isopropylbenzene	50	NA	62	124	87-129
cis-1,4-Dichloro-2-Butene	50	NA	56	111	60-133
trans-1,4-Dichloro-2-Butene	50	NA	54	108	67-134
Bromobenzene	50	NA	53	106	83-112
N-Propylbenzene	50	NA	54	109	79-121
1,1,2,2-Tetrachloroethane	50	NA	52	105	68-133
1,3,5-Trimethylbenzene	50	NA	52	104	80-117
2-Chlorotoluene	50	NA	49	99	86-113
1,2,3-Trichloropropane	50	NA	50	99	63-133
4-Chlorotoluene	50	NA	54	107	84-117
tert-Butylbenzene	50	NA	51	102	78-122
Pentachloroethane	50	NA	49	97	64-135
1,2,4-Trimethylbenzene	50	NA	52	103	78-116
P-Isopropyltoluene	50	NA	54	108	79-123
1,3-Dichlorobenzene	50	NA	53	105	86-111
1,4-Dichlorobenzene	50	NA	53	106	78-118
N-Butylbenzene	50	NA	58	116	76-119
sec-Butylbenzene	50	NA	56	113	77-121
1,2-Dichlorobenzene	50	NA	55	110	86-113
1,2-Dibromo-3-Chloropropane	50	NA	55	110	63-133
1,3,5-Trichlorobenzene	50	NA	54	108	84-118
Hexachlorobutadiene	50	NA	53	106	70-114

KATAHDIN ANALYTICAL SERVICES
LAB CONTROL SAMPLE

Client:
Project: CTO 426 NLON
PO No:
Sample Date:
Received Date:
Extraction Date:
Analysis Date: 06/20/08
Report Date: 06/26/2008
Matrix: WATER

Lab ID: WG52722-1
Client ID: WG52722-LCS
SDG: CTO426-3
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG52722
Units: ug/l

COMPOUND	LCS SPIKE	SAMPLE CONC.	LCS CONC.	%REC.	QC. LIMITS
1,2,4-Trichlorobenzene	50	NA	55	110	74-116
1,2,3-Trimethylbenzene	50	NA	48	96	85-124
Naphthalene	50	NA	54	109	64-121
1,2,3-Trichlorobenzene	50	NA	53	107	73-117
Methyl Acetate	50	NA	54	108	52-142
Methylcyclohexane	50	NA	48	97	83-125
1-Chlorohexane	50	NA	50	100	78-128
Total Alkylbenzenes	350	NA	377	108	60-140

KATAHDIN ANALYTICAL SERVICES
MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 06/09/08
Received Date: 06/11/08
Extraction Date:
Analysis Date: 06/18/08
Report Date: 06/26/2008
Matrix: WATER

Lab ID: WG52635-3 & WG52635-4
Client ID: GW-MW104-060908MS & GW-MW104-060908MSD
SDG: CTO426-3
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG52635
Units: ug/l

COMPOUND	MS SPIKE	MSD SPIKE	SAMPLE CONC.	MS CONC.	MSD CONC.	MS %REC.	MSD %REC.	%RPD	%RPD LIMIT	QC. LIMITS
Methyl tert-butyl ether	100	100	0.00	114	126	114	126	10	20	71-140
Benzene	50	50	0.00	54	61	107	123	13	20	71-125
Toluene	50	50	0.00	58	62	116	* 123	6	20	79-118
Ethylbenzene	50	50	0.00	58	54	* 117	109	7	20	80-115
Xylenes (total)	150	150	0.00	176	167	* 117	111	5	20	85-114
m+p-Xylenes	100	100	0.00	120	110	* 120	110	9	20	87-113
o-Xylene	50	50	0.00	57	58	114	115	1	20	80-118
Isopropylbenzene	50	50	0.00	68	71	* 137	* 141	3	20	87-129
Naphthalene	50	50	0.00	52	56	104	113	8	20	64-121

FORM III VOA-1

S1431.D & S1432.D

FORM 4
VOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE ID

WG52642-BLANK

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 426 NLON SDG No.: CTO426-3

Lab File ID: F0963 Lab Sample ID: WG52642-2

Date Analyzed: 06/18/08 Time Analyzed: 1321

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) N

Instrument ID: GCMS-F

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	WG52642-LCS	WG52642-1	F0961	06/18/08	1208
02	AWD-GW-MW101061008	SB3059-8	F0975	06/18/08	1935
03					
04					
05					
06					
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COMMENTS:

FORM IVVOA

FORM 4
VOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE ID

WG52635-BLANK

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 426 NLON SDG No.: CTO426-3

Lab File ID: S1418 Lab Sample ID: WG52635-2

Date Analyzed: 06/18/08 Time Analyzed: 1112

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	WG52635-LCS	WG52635-1	S1416	06/18/08	1000
02	AWD-GW-MW103-060908	SB3059-1	S1422	06/18/08	1316
03	AWD-GW-MW102-060908	SB3059-2	S1423	06/18/08	1347
04	GW-MW104-060908	SB3059-4	S1424	06/18/08	1419
05	AWD-GWMW40420080609	SB3059-3	S1427	06/18/08	1552
06	AWD-GWMW40320080609	SB3059-5	S1428	06/18/08	1623
07	GW-MW104-060908MS	WG52635-3	S1431	06/18/08	1756
08	GW-MW104-060908MSD	WG52635-4	S1432	06/18/08	1828
09					
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COMMENTS:

FORM IVVOA

FORM 4
VOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE ID

WG52683-BLANK

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 426 NLON SDG No.: CTO426-3

Lab File ID: S1443 Lab Sample ID: WG52683-2

Date Analyzed: 06/19/08 Time Analyzed: 1045

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	WG52683-LCS	WG52683-1	S1441	06/19/08	0932
02	AWD-TB061008	SB3059-14	S1444	06/19/08	1116
03	AWD-GWMW40220080609	SB3059-6RA	S1452	06/19/08	1525
04	AWD-GW-MW304061008	SB3059-7RA	S1453	06/19/08	1556
05	AWD-GW-MW305061008	SB3059-9	S1455	06/19/08	1658
06	AWD-GW-MW201061008	SB3059-10	S1456	06/19/08	1729
07	AWD-GW-DUP01	SB3059-11	S1457	06/19/08	1800
08	AWD-GWMW20220080610	SB3059-12	S1458	06/19/08	1832
09	AWD-GWMW1420080610	SB3059-13	S1459	06/19/08	1903
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COMMENTS:

FORM IVVOA

FORM 4
VOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE ID

WG52722-BLANK

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 426 NLON SDG No.: CTO426-3

Lab File ID: S1468 Lab Sample ID: WG52722-2

Date Analyzed: 06/20/08 Time Analyzed: 0949

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	WG52722-LCS	WG52722-1	S1466	06/20/08	0836
02	AWD-GW-MW302-061108	SB3101-1	S1481	06/20/08	1643
03	AWD-GWMW30120080611	SB3101-3	S1482	06/20/08	1714
04	AWD-GWMW401-061108	SB3101-4	S1483	06/20/08	1745
05	AWD-GWMW303-061108	SB3101-5	S1484	06/20/08	1816
06	AWD-GW-DUP02	SB3101-6	S1485	06/20/08	1848
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COMMENTS:

FORM IVVOA

FORM 5
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 426 NLON SDG No.: CTO426-3

Lab File ID: FB955 BFB Injection Date: 06/13/08

Instrument ID: GCMS-F BFB Injection Time: 1412

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	20.1
75	30.0 - 60.0% of mass 95	42.7
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.5
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	Greater than 50.0% of mass 95	81.7
175	5.0 - 9.0% of mass 174	7.1 (8.7)1
176	95.0 - 101.0% of mass 174	80.8 (98.9)1
177	5.0 - 9.0% of mass 176	5.6 (6.9)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01		VSTD200F13A	F0834	06/13/08	1506
02		VSTD100F13A	F0835	06/13/08	1537
03		VSTD050F13A	F0836	06/13/08	1608
04		VSTD020F13A	F0837	06/13/08	1639
05		VSTD005F13A	F0838	06/13/08	1709
06		VSTD001F13A	F0839	06/13/08	1740
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FORM V VOA

FORM 5
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 426 NLON SDG No.: CTO426-3

Lab File ID: FB960 BFB Injection Date: 06/18/08

Instrument ID: GCMS-F BFB Injection Time: 0923

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	23.0
75	30.0 - 60.0% of mass 95	45.5
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.6
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	Greater than 50.0% of mass 95	82.2
175	5.0 - 9.0% of mass 174	6.3 (7.7)1
176	95.0 - 101.0% of mass 174	79.3 (96.5)1
177	5.0 - 9.0% of mass 176	4.7 (6.0)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		VSTD050F18B	F0959	06/18/08	1031
02	WG52642-LCS	WG52642-1	F0961	06/18/08	1208
03	WG52642-BLANK	WG52642-2	F0963	06/18/08	1321
04	AWD-GW-MW101061008	SB3059-8	F0975	06/18/08	1935
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FORM V VOA

FORM 5
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 426 NLON SDG No.: CTO426-3

Lab File ID: SB841 BFB Injection Date: 06/16/08

Instrument ID: GCMS-S BFB Injection Time: 0840

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	23.6
75	30.0 - 60.0% of mass 95	48.7
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.7
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	Greater than 50.0% of mass 95	81.6
175	5.0 - 9.0% of mass 174	5.1 (6.3)1
176	95.0 - 101.0% of mass 174	81.9 (100.4)1
177	5.0 - 9.0% of mass 176	5.5 (6.7)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		VSTD200S16A	S1368	06/16/08	0936
02		VSTD100S16A	S1369	06/16/08	1007
03		VSTD050S16A	S1370	06/16/08	1039
04		VSTD020S16A	S1371	06/16/08	1110
05		VSTD005S16A	S1372	06/16/08	1141
06		VSTD001S16B	S1375	06/16/08	1332
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FORM V VOA

FORM 5
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 426 NLON SDG No.: CTO426-3

Lab File ID: SB843 BFB Injection Date: 06/18/08

Instrument ID: GCMS-S BFB Injection Time: 0855

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	23.0
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	6.4
173	Less than 2.0% of mass 174	0.4 (0.4)1
174	Greater than 50.0% of mass 95	88.0
175	5.0 - 9.0% of mass 174	5.5 (6.3)1
176	95.0 - 101.0% of mass 174	85.7 (97.4)1
177	5.0 - 9.0% of mass 176	5.0 (5.9)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01		VSTD050S18A	S1415	06/18/08	0916
02	WG52635-LCS	WG52635-1	S1416	06/18/08	1000
03	WG52635-BLANK	WG52635-2	S1418	06/18/08	1112
04	AWD-GW-MW103-060908	SB3059-1	S1422	06/18/08	1316
05	AWD-GW-MW102-060908	SB3059-2	S1423	06/18/08	1347
06	GW-MW104-060908	SB3059-4	S1424	06/18/08	1419
07	AWD-GWMW40420080609	SB3059-3	S1427	06/18/08	1552
08	AWD-GWMW40320080609	SB3059-5	S1428	06/18/08	1623
09	GW-MW104-060908MS	WG52635-3	S1431	06/18/08	1756
10	GW-MW104-060908MSD	WG52635-4	S1432	06/18/08	1828
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FORM V VOA

FORM 5
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 426 NLON SDG No.: CTO426-3

Lab File ID: SB844 BFB Injection Date: 06/19/08

Instrument ID: GCMS-S BFB Injection Time: 0826

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	30.2
75	30.0 - 60.0% of mass 95	53.5
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.8
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	Greater than 50.0% of mass 95	59.8
175	5.0 - 9.0% of mass 174	5.0 (8.4)1
176	95.0 - 101.0% of mass 174	58.2 (97.3)1
177	5.0 - 9.0% of mass 176	4.0 (6.9)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01		VSTD050S19A	S1440	06/19/08	0851
02	WG52683-LCS	WG52683-1	S1441	06/19/08	0932
03	WG52683-BLANK	WG52683-2	S1443	06/19/08	1045
04	AWD-TB061008	SB3059-14	S1444	06/19/08	1116
05	AWD-GWMW40220080609	SB3059-6RA	S1452	06/19/08	1525
06	AWD-GW-MW304061008	SB3059-7RA	S1453	06/19/08	1556
07	AWD-GW-MW305061008	SB3059-9	S1455	06/19/08	1658
08	AWD-GW-MW201061008	SB3059-10	S1456	06/19/08	1729
09	AWD-GW-DUP01	SB3059-11	S1457	06/19/08	1800
10	AWD-GWMW20220080610	SB3059-12	S1458	06/19/08	1832
11	AWD-GWMW1420080610	SB3059-13	S1459	06/19/08	1903
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FORM V VOA

FORM 5
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 426 NLON SDG No.: CTO426-3

Lab File ID: SB845 BFB Injection Date: 06/20/08

Instrument ID: GCMS-S BFB Injection Time: 0728

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	22.9
75	30.0 - 60.0% of mass 95	44.8
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.8
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	Greater than 50.0% of mass 95	82.1
175	5.0 - 9.0% of mass 174	6.7 (8.2)1
176	95.0 - 101.0% of mass 174	78.6 (95.8)1
177	5.0 - 9.0% of mass 176	4.6 (5.9)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01		VSTD050S20A	S1465	06/20/08	0752
02	WG52722-LCS	WG52722-1	S1466	06/20/08	0836
03	WG52722-BLANK	WG52722-2	S1468	06/20/08	0949
04	AWD-GW-MW302-061108	SB3101-1	S1481	06/20/08	1643
05	AWD-GWMW30120080611	SB3101-3	S1482	06/20/08	1714
06	AWD-GWMW401-061108	SB3101-4	S1483	06/20/08	1745
07	AWD-GWMW303-061108	SB3101-5	S1484	06/20/08	1816
08	AWD-GW-DUP02	SB3101-6	S1485	06/20/08	1848
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FORM V VOA

FORM 6
VOLATILE INITIAL CALIBRATION DATA

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project CTO 426 NLON SDG No.: CTO426-3

Instrument ID: GCMS-F Calibration Date(s): 06/13/08 06/13/08

Column: RTX-VMS ID: 0.18 (mm) Calibration Time(s): 1506 1740

LAB FILE ID: RF1: F0839 RF5: F0838 RF20: F0837
RF50: F0836 RF100: F0835 RF200: F0834

COMPOUND	RF1	RF5	RF20	RF50	RF100	RF200	CURVE	COEFFICENTS A0	COEFFICENTS A1	%RSD OR R^2	MAX %RSD OR R^2
Methyl tert-butyl ether	1.124	1.295	1.342	1.454	1.384	1.466	AVRG		1.34425014	9.384	15.000
Benzene	1.218	1.271	1.296	1.405	1.339	1.453	AVRG		1.33035301	6.545	15.000
Toluene	0.688	0.819	0.808	0.832	0.814	0.834	AVRG		0.79916907	6.930	15.000
Ethylbenzene	0.482	0.501	0.530	0.548	0.519	0.553	AVRG		0.52211659	5.194	15.000
Xylenes (total)							AVRG				0.000
m+p-Xylenes	0.537	0.596	0.654	0.682	0.670	0.679	AVRG		0.63628343	9.115	15.000
o-Xylene	0.458	0.530	0.590	0.650	0.631	0.672	AVRG		0.58835775	13.785	15.000
Isopropylbenzene	10807	70532	341200	948240	1804100	3840500	LINR	2.545e-002	0.35612108	0.99819	0.99000
Naphthalene	1.174	1.374	1.526	1.705	1.477	1.538	AVRG		1.46572005	12.184	15.000
Dibromofluoromethane	0.623	0.531	0.556	0.567	0.581	0.552	AVRG		0.56837795	5.567	15.000
1,2-Dichloroethane-D4	0.763	0.609	0.616	0.623	0.631	0.610	AVRG		0.64194119	9.301	15.000
Toluene-D8	1.350	1.178	1.305	1.359	1.377	1.295	AVRG		1.31064194	5.532	15.000
P-Bromofluorobenzene	0.452	0.413	0.457	0.481	0.487	0.458	AVRG		0.45800606	5.701	15.000

Average %RSD test result.

Calculate Average %RSD: 9.866069794
Maximum Average %RSD: 15.00000000

Note: Passes Average %RSD Test.

FORM VI VOA

FORM 6
VOLATILE INITIAL CALIBRATION DATA

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project CTO 426 NLON SDG No.: CTO426-3

Instrument ID: GCMS-S Calibration Date(s): 06/16/08 06/16/08

Column: RTX-VMS ID: 0.18 (mm) Calibration Time(s): 0936 1332

LAB FILE ID: RF1: S1375 RF5: S1372 RF20: S1371
RF50: S1370 RF100: S1369 RF200: S1368

COMPOUND	RF1	RF5	RF20	RF50	RF100	RF200	CURVE	COEFF. A1	%RSD OR R^2	MAX %RSD OR R^2
Methyl tert-butyl ether	1.233	1.099	1.171	1.167	1.131	1.169	AVRG	1.16160498	3.867	15.000
Benzene	1.234	1.370	1.127	1.202	1.062	1.158	AVRG	1.19208118	8.854	15.000
Toluene	0.800	0.814	0.694	0.730	0.668	0.700	AVRG	0.73439700	8.140	15.000
Ethylbenzene	0.542	0.508	0.471	0.472	0.451	0.456	AVRG	0.48332683	7.279	15.000
Xylenes (total)							AVRG			0.000
m+p-Xylenes	0.670	0.640	0.591	0.578	0.583	0.525	AVRG	0.59788293	8.485	15.000
o-Xylene	0.680	0.633	0.599	0.584	0.587	0.595	AVRG	0.61304619	6.116	15.000
Isopropylbenzene	2.491	2.729	2.622	2.492	2.274	2.377	AVRG	2.49760882	6.550	15.000
Naphthalene	1.970	2.162	1.958	2.075	1.998	2.141	AVRG	2.05078259	4.297	15.000
Dibromofluoromethane	0.547	0.468	0.503	0.527	0.518	0.550	AVRG	0.51883556	5.896	15.000
1,2-Dichloroethane-D4	0.714	0.533	0.573	0.581	0.569	0.602	AVRG	0.59533880	10.485	15.000
Toluene-D8	1.155	0.957	0.962	1.072	0.963	0.933	AVRG	1.00704627	8.668	15.000
P-Bromofluorobenzene	0.554	0.414	0.403	0.437	0.394	0.411	AVRG	0.43542388	13.725	15.000

Average %RSD test result.

Calculate Average %RSD: 6.759081841
Maximum Average %RSD: 15.00000000

Note: Passes Average %RSD Test.

FORM VI VOA

FORM 7B
VOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 426 NLON SDG No.: CTO426-3

Instrument ID: GCMS-F Calibration Date: 06/18/08 Time: 1031

Lab File ID: F0959 Init. Calib. Date(s): 06/13/08 06/13/08

Init. Calib. Times: 1506 1740

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	
Methyl tert-butyl ether	1.3440000	1.3929000	1.3929000	0.01	3.64		AVRG	
Benzene	1.3300000	1.4309000	1.4309000	0.01	7.59		AVRG	
Toluene	0.7990000	0.8644400	0.8644400	0.01	8.19	20.00	AVRG	
Ethylbenzene	0.5220000	0.5505300	0.5505300	0.01	5.46	20.00	AVRG	
Xylenes (total)	0.0000000	0.6834100	0.6834100	0.01	0.00		AVRG	<-
m+p-Xylenes	0.6360000	0.7083400	0.7083400	0.01	11.37		AVRG	
o-Xylene	0.5880000	0.6335400	0.6335400	0.01	7.74		AVRG	
Isopropylbenzene	46.840000	50.000000	2.5591000	0.01	-6.32		LINR	
Naphthalene	1.4660000	0.9929200	0.9929200	0.01	-32.27		AVRG	
Dibromofluoromethane	0.5680000	0.5112500	0.5112500	0.01	-9.99		AVRG	
1,2-Dichloroethane-D4	0.6420000	0.6637100	0.6637100	0.01	3.38		AVRG	
Toluene-D8	1.3110000	1.2293000	1.2293000	0.01	-6.23		AVRG	
P-Bromofluorobenzene	0.4580000	0.4446200	0.4446200	0.01	-2.92		AVRG	

FORM 7B
VOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 426 NLON SDG No.: CTO426-3

Instrument ID: GCMS-S Calibration Date: 06/18/08 Time: 0916

Lab File ID: S1415 Init. Calib. Date(s): 06/16/08 06/16/08

Init. Calib. Times: 0936 1332

GC Column: RTX-VMS ID: 0.18 (mm)

COMPOUND	RRF OR AMOUNT	RRF50.000 OR AMOUNT	MIN RRF	%D OR %DRIFT	MAX %D OR %DRIFT	CURV TYPE	
Methyl tert-butyl ether	1.1620000	1.1332000	0.01	-2.48		AVRG	
Benzene	1.1920000	1.0358000	0.01	-13.10		AVRG	
Toluene	0.7340000	0.7003600	0.01	-4.58	20.00	AVRG	
Ethylbenzene	0.4830000	0.4856500	0.01	0.55	20.00	AVRG	
Xylenes (total)	0.0000000	0.6030600	0.01	0.00		AVRG	<-
m+p-Xylenes	0.5980000	0.5997100	0.01	0.28		AVRG	
o-Xylene	0.6130000	0.6097400	0.01	-0.53		AVRG	
Isopropylbenzene	2.4980000	2.5046000	0.01	0.26		AVRG	
Naphthalene	2.0510000	1.6987000	0.01	-17.18		AVRG	
Dibromofluoromethane	0.5190000	0.5118300	0.01	-1.38		AVRG	
1,2-Dichloroethane-D4	0.5950000	0.5785200	0.01	-2.77		AVRG	
Toluene-D8	1.0070000	0.9992400	0.01	-0.77		AVRG	
P-Bromofluorobenzene	0.4360000	0.4726200	0.01	8.40		AVRG	

FORM VII VOA

FORM 7B
VOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 426 NLON SDG No.: CTO426-3

Instrument ID: GCMS-S Calibration Date: 06/19/08 Time: 0851

Lab File ID: S1440 Init. Calib. Date(s): 06/16/08 06/16/08

Init. Calib. Times: 0936 1332

GC Column: RTX-VMS ID: 0.18 (mm)

COMPOUND	RRF OR AMOUNT	RRF50.000 OR AMOUNT	MIN RRF	%D OR %DRIFT	MAX %D OR %DRIFT	CURV TYPE	
Methyl tert-butyl ether	1.1620000	1.1954000	0.01	2.87		AVRG	
Benzene	1.1920000	1.2006000	0.01	0.72		AVRG	
Toluene	0.7340000	0.7156600	0.01	-2.50	20.00	AVRG	
Ethylbenzene	0.4830000	0.4575800	0.01	-5.26	20.00	AVRG	
Xylenes (total)	0.0000000	0.6105400	0.01	0.00		AVRG	<-
m+p-Xylenes	0.5980000	0.6104600	0.01	2.08		AVRG	
o-Xylene	0.6130000	0.6106900	0.01	-0.38		AVRG	
Isopropylbenzene	2.4980000	2.5088000	0.01	0.43		AVRG	
Naphthalene	2.0510000	1.8301000	0.01	-10.77		AVRG	
Dibromofluoromethane	0.5190000	0.5195500	0.01	0.10		AVRG	
1,2-Dichloroethane-D4	0.5950000	0.5483000	0.01	-7.85		AVRG	
Toluene-D8	1.0070000	1.0270000	0.01	1.99		AVRG	
P-Bromofluorobenzene	0.4360000	0.4742400	0.01	8.77		AVRG	

FORM 7B
VOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 426 NLON SDG No.: CTO426-3

Instrument ID: GCMS-S Calibration Date: 06/20/08 Time: 0752

Lab File ID: S1465 Init. Calib. Date(s): 06/16/08 06/16/08

Init. Calib. Times: 0936 1332

GC Column: RTX-VMS ID: 0.18 (mm)

COMPOUND	RRF OR AMOUNT	RRF50.000 OR AMOUNT	MIN RRF	%D OR %DRIFT	MAX %D OR %DRIFT	CURV TYPE	
Methyl tert-butyl ether	1.1620000	1.2648000	0.01	8.85		AVRG	
Benzene	1.1920000	1.0728000	0.01	-10.00		AVRG	
Toluene	0.7340000	0.6814700	0.01	-7.16	20.00	AVRG	
Ethylbenzene	0.4830000	0.4646100	0.01	-3.81	20.00	AVRG	
Xylenes (total)	0.0000000	0.5873500	0.01	0.00		AVRG	<-
m+p-Xylenes	0.5980000	0.5901500	0.01	-1.31		AVRG	
o-Xylene	0.6130000	0.5817500	0.01	-5.10		AVRG	
Isopropylbenzene	2.4980000	2.5929000	0.01	3.80		AVRG	
Naphthalene	2.0510000	1.7682000	0.01	-13.79		AVRG	
Dibromofluoromethane	0.5190000	0.5129500	0.01	-1.16		AVRG	
1,2-Dichloroethane-D4	0.5950000	0.5986600	0.01	0.62		AVRG	
Toluene-D8	1.0070000	0.9898200	0.01	-1.71		AVRG	
P-Bromofluorobenzene	0.4360000	0.4673300	0.01	7.18		AVRG	

FORM 8
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 426 NLON SDG No.: CTO426-3

Lab File ID (Standard): F0959 Date Analyzed: 06/18/08

Instrument ID: GCMS-F Time Analyzed: 1031

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) N

	IS1(PFB) AREA #	RT #	IS2(DFB) AREA #	RT #	IS3(CBZ) AREA #	RT #
12 HOUR STD	438882	8.53	678902	9.37	580047	12.87
UPPER LIMIT	877764	9.03	1357804	9.87	1160094	13.37
LOWER LIMIT	219441	8.03	339451	8.87	290024	12.37

	CLIENT SAMPLE ID	LAB SAMPLE ID						
01	WG52642-LCS	WG52642-1	450633	8.54	711828	9.36	590487	12.87
02	WG52642-BLANK	WG52642-2	356856	8.53	590227	9.37	502903	12.86
03	AWD-GW-MW101061008	SB3059-8	324178	8.52	546850	9.36	464475	12.86
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IS1 (PFB) = Pentafluorobenzene
IS2 (DFB) = 1,4-Difluorobenzene
IS3 (CBZ) = Chlorobenzene-D5

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

FORM VIII VOA

FORM 8
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 426 NLON SDG No.: CTO426-3

Lab File ID (Standard): F0959 Date Analyzed: 06/18/08

Instrument ID: GCMS-F Time Analyzed: 1031

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) N

	IS4(DCB) AREA #	RT #	AREA #	RT #	AREA #	RT #
12 HOUR STD	292252	15.99				
UPPER LIMIT	584504	16.49				
LOWER LIMIT	146126	15.49				

	CLIENT SAMPLE ID	LAB SAMPLE ID						
01	WG52642-LCS	WG52642-1	290758	15.99				
02	WG52642-BLANK	WG52642-2	216466	15.99				
03	AWD-GW-MW101061008	SB3059-8	203458	15.98				
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IS4 (DCB) = 1,4-Dichlorobenzene-D4

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

FORM 8
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 426 NLON SDG No.: CTO426-3

Lab File ID (Standard): S1415 Date Analyzed: 06/18/08

Instrument ID: GCMS-S Time Analyzed: 0916

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) N

	IS1(PFB) AREA #	RT #	IS2(DFB) AREA #	RT #	IS3(CBZ) AREA #	RT #
12 HOUR STD	310366	9.13	471386	9.85	391075	13.29
UPPER LIMIT	620732	9.63	942772	10.35	782150	13.79
LOWER LIMIT	155183	8.63	235693	9.35	195538	12.79

	CLIENT SAMPLE ID	LAB SAMPLE ID						
01	WG52635-LCS	WG52635-1	293226	9.13	452339	9.84	373408	13.29
02	WG52635-BLANK	WG52635-2	305864	9.13	426784	9.85	406183	13.29
03	AWD-GW-MW103-060908	SB3059-1	313979	9.13	472939	9.85	415225	13.29
04	AWD-GW-MW102-060908	SB3059-2	315007	9.13	487165	9.84	428176	13.28
05	GW-MW104-060908	SB3059-4	320080	9.13	476646	9.84	403317	13.29
06	AWD-GWMW40420080609	SB3059-3	310343	9.13	464959	9.85	395384	13.29
07	AWD-GWMW40320080609	SB3059-5	314513	9.13	473905	9.84	408125	13.28
08	GW-MW104-060908MS	WG52635-3	337430	9.13	502843	9.84	429369	13.30
09	GW-MW104-060908MSD	WG52635-4	314861	9.13	448812	9.84	410767	13.30
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IS1 (PFB) = Pentafluorobenzene
IS2 (DFB) = 1,4-Difluorobenzene
IS3 (CBZ) = Chlorobenzene-D5

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

FORM VIII VOA

FORM 8
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 426 NLON SDG No.: CTO426-3

Lab File ID (Standard): S1415 Date Analyzed: 06/18/08

Instrument ID: GCMS-S Time Analyzed: 0916

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) N

	IS4 (DCB) AREA #	RT #	AREA #	RT #	AREA #	RT #
12 HOUR STD	206672	16.43				
UPPER LIMIT	413344	16.93				
LOWER LIMIT	103336	15.93				

	CLIENT SAMPLE ID	LAB SAMPLE ID						
01	WG52635-LCS	WG52635-1	208143	16.43				
02	WG52635-BLANK	WG52635-2	198356	16.43				
03	AWD-GW-MW103-060908	SB3059-1	212289	16.43				
04	AWD-GW-MW102-060908	SB3059-2	213264	16.44				
05	GW-MW104-060908	SB3059-4	205673	16.43				
06	AWD-GWMW40420080609	SB3059-3	217516	16.43				
07	AWD-GWMW40320080609	SB3059-5	212732	16.44				
08	GW-MW104-060908MS	WG52635-3	224843	16.44				
09	GW-MW104-060908MSD	WG52635-4	210341	16.44				
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18								
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IS4 (DCB) = 1,4-Dichlorobenzene-D4

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

FORM VIII VOA

FORM 8
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 426 NLON SDG No.: CTO426-3

Lab File ID (Standard): S1440 Date Analyzed: 06/19/08

Instrument ID: GCMS-S Time Analyzed: 0851

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) N

	IS1(PFB) AREA #	RT #	IS2(DFB) AREA #	RT #	IS3(CBZ) AREA #	RT #
12 HOUR STD	330238	9.13	498117	9.84	406163	13.29
UPPER LIMIT	660476	9.63	996234	10.34	812326	13.79
LOWER LIMIT	165119	8.63	249059	9.34	203082	12.79

	CLIENT SAMPLE ID	LAB SAMPLE ID						
01	WG52683-LCS	WG52683-1	328911	9.13	478032	9.84	423810	13.28
02	WG52683-BLANK	WG52683-2	314933	9.13	483015	9.84	408760	13.29
03	AWD-TB061008	SB3059-14	314979	9.13	459746	9.84	407483	13.29
04	AWD-GWMW40220080609	SB3059-6RA	273101	9.12	426869	9.84	356591	13.29
05	AWD-GW-MW304061008	SB3059-7RA	289750	9.12	415484	9.84	380331	13.29
06	AWD-GW-MW305061008	SB3059-9	278695	9.13	420607	9.84	357721	13.29
07	AWD-GW-MW201061008	SB3059-10	270801	9.13	444052	9.84	379617	13.28
08	AWD-GW-DUP01	SB3059-11	289379	9.12	440685	9.84	389009	13.28
09	AWD-GWMW20220080610	SB3059-12	294735	9.13	442299	9.84	394265	13.29
10	AWD-GWMW1420080610	SB3059-13	300936	9.13	447097	9.84	411428	13.29
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IS1 (PFB) = Pentafluorobenzene
IS2 (DFB) = 1,4-Difluorobenzene
IS3 (CBZ) = Chlorobenzene-D5

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

FORM VIII VOA

FORM 8
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 426 NLON SDG No.: CTO426-3

Lab File ID (Standard): S1440 Date Analyzed: 06/19/08

Instrument ID: GCMS-S Time Analyzed: 0851

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) N

	IS4 (DCB) AREA #	RT #	AREA #	RT #	AREA #	RT #
12 HOUR STD	223189	16.43				
UPPER LIMIT	446378	16.93				
LOWER LIMIT	111595	15.93				

	CLIENT SAMPLE ID	LAB SAMPLE ID						
01	WG52683-LCS	WG52683-1	225505	16.43				
02	WG52683-BLANK	WG52683-2	208823	16.43				
03	AWD-TB061008	SB3059-14	202051	16.43				
04	AWD-GWMW40220080609	SB3059-6RA	188494	16.43				
05	AWD-GW-MW304061008	SB3059-7RA	195669	16.43				
06	AWD-GW-MW305061008	SB3059-9	197524	16.43				
07	AWD-GW-MW201061008	SB3059-10	178471	16.42				
08	AWD-GW-DUP01	SB3059-11	200718	16.42				
09	AWD-GWMW20220080610	SB3059-12	203445	16.43				
10	AWD-GWMW1420080610	SB3059-13	206158	16.43				
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18								
19								
20								

IS4 (DCB) = 1,4-Dichlorobenzene-D4

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

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* Values outside of QC limits.

FORM VIII VOA

FORM 8
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 426 NLON SDG No.: CTO426-3

Lab File ID (Standard): S1465 Date Analyzed: 06/20/08

Instrument ID: GCMS-S Time Analyzed: 0752

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) N

	IS1(PFB) AREA #	RT #	IS2(DFB) AREA #	RT #	IS3(CBZ) AREA #	RT #
12 HOUR STD	334758	9.12	508159	9.84	432696	13.28
UPPER LIMIT	669516	9.62	1016318	10.34	865392	13.78
LOWER LIMIT	167379	8.62	254080	9.34	216348	12.78

	CLIENT SAMPLE ID	LAB SAMPLE ID						
01	WG52722-LCS	WG52722-1	329377	9.12	466459	9.83	421180	13.29
02	WG52722-BLANK	WG52722-2	322069	9.12	495774	9.84	424651	13.28
03	AWD-GW-MW302-061108	SB3101-1	353046	9.12	550767	9.83	473876	13.29
04	AWD-GWMW30120080611	SB3101-3	354507	9.12	515598	9.84	461639	13.28
05	AWD-GWMW401-061108	SB3101-4	346582	9.13	525329	9.84	474441	13.28
06	AWD-GWMW303-061108	SB3101-5	360518	9.12	532669	9.84	455171	13.28
07	AWD-GW-DUP02	SB3101-6	350343	9.12	562973	9.84	466048	13.28
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19								
20								

IS1 (PFB) = Pentafluorobenzene
IS2 (DFB) = 1,4-Difluorobenzene
IS3 (CBZ) = Chlorobenzene-D5

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

FORM VIII VOA

FORM 8
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 426 NLON SDG No.: CTO426-3

Lab File ID (Standard): S1465 Date Analyzed: 06/20/08

Instrument ID: GCMS-S Time Analyzed: 0752

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) N

	IS4(DCB) AREA #	RT #	AREA #	RT #	AREA #	RT #
12 HOUR STD	230694	16.42				
UPPER LIMIT	461388	16.92				
LOWER LIMIT	115347	15.92				

	CLIENT SAMPLE ID	LAB SAMPLE ID						
01	WG52722-LCS	WG52722-1	224861	16.43				
02	WG52722-BLANK	WG52722-2	224654	16.42				
03	AWD-GW-MW302-061108	SB3101-1	248836	16.43				
04	AWD-GWMW30120080611	SB3101-3	239630	16.42				
05	AWD-GWMW401-061108	SB3101-4	243216	16.42				
06	AWD-GWMW303-061108	SB3101-5	234487	16.42				
07	AWD-GW-DUP02	SB3101-6	246200	16.42				
08								
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18								
19								
20								

IS4 (DCB) = 1,4-Dichlorobenzene-D4

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

FORM VIII VOA

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 06/09/08
Received Date: 06/11/08
Extraction Date: 06/13/08
Analysis Date: 20-JUN-2008 18:19
Report Date: 06/30/2008
Matrix: WATER
% Solids: NA

Lab ID: SB3059-1
Client ID: AWD-GW-MW103-060908
SDG: CTO426-3
Extracted by: KF
Extraction Method: SW846 3510
Analyst: KGT
Analysis Method: SW846 M8015B
Lab Prep Batch: WG52475
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
	Extractable TPH C9-C36	J	55	1.0	75	75	44
	O-Terphenyl		81%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 06/09/08
Received Date: 06/11/08
Extraction Date: 06/13/08
Analysis Date: 20-JUN-2008 18:58
Report Date: 06/30/2008
Matrix: WATER
% Solids: NA

Lab ID: SB3059-2
Client ID: AWD-GW-MW102-060908
SDG: CTO426-3
Extracted by: KF
Extraction Method: SW846 3510
Analyst: KGT
Analysis Method: SW846 M8015B
Lab Prep Batch: WG52475
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
	Extractable TPH C9-C36		80	1.0	75	75	43
	O-Terphenyl		70%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 06/09/08
Received Date: 06/11/08
Extraction Date: 06/13/08
Analysis Date: 20-JUN-2008 19:36
Report Date: 06/30/2008
Matrix: WATER
% Solids: NA

Lab ID: SB3059-3
Client ID: AWD-GWMW40420080609
SDG: CTO426-3
Extracted by: KF
Extraction Method: SW846 3510
Analyst: KGT
Analysis Method: SW846 M8015B
Lab Prep Batch: WG52475
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
	Extractable TPH C9-C36		320	1.0	75	75	43
	O-Terphenyl		74%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 06/09/08
Received Date: 06/11/08
Extraction Date: 06/13/08
Analysis Date: 20-JUN-2008 20:15
Report Date: 07/01/2008
Matrix: WATER
% Solids: NA

Lab ID: SB3059-4
Client ID: GW-MW104-060908
SDG: CTO426-3
Extracted by: KF
Extraction Method: SW846 3510
Analyst: KGT
Analysis Method: SW846 M8015B
Lab Prep Batch: WG52475
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
	Extractable TPH C9-C36	U	75	1.0	75	75	44
	O-Terphenyl		68%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 06/09/08
Received Date: 06/11/08
Extraction Date: 06/13/08
Analysis Date: 20-JUN-2008 20:54
Report Date: 06/30/2008
Matrix: WATER
% Solids: NA

Lab ID: SB3059-5
Client ID: AWD-GWMW40320080609
SDG: CTO426-3
Extracted by: KF
Extraction Method: SW846 3510
Analyst: KGT
Analysis Method: SW846 M8015B
Lab Prep Batch: WG52475
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
	Extractable TPH C9-C36		160	1.0	75	75	43
	O-Terphenyl		68%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 06/09/08
Received Date: 06/11/08
Extraction Date: 06/13/08
Analysis Date: 20-JUN-2008 21:33
Report Date: 06/30/2008
Matrix: WATER
% Solids: NA

Lab ID: SB3059-6
Client ID: AWD-GWMW40220080609
SDG: CTO426-3
Extracted by: KF
Extraction Method: SW846 3510
Analyst: KGT
Analysis Method: SW846 M8015B
Lab Prep Batch: WG52475
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
	Extractable TPH C9-C36		580	1.0	75	75	43
	O-Terphenyl		67%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 06/10/08
Received Date: 06/11/08
Extraction Date: 06/13/08
Analysis Date: 21-JUN-2008 00:09
Report Date: 06/30/2008
Matrix: WATER
% Solids: NA

Lab ID: SB3059-7
Client ID: AWD-GW-MW304061008
SDG: CTO426-3
Extracted by: KF
Extraction Method: SW846 3510
Analyst: KGT
Analysis Method: SW846 M8015B
Lab Prep Batch: WG52475
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
	Extractable TPH C9-C36		290	1.0	75	82	49
	O-Terphenyl		70%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 06/10/08
Received Date: 06/11/08
Extraction Date: 06/13/08
Analysis Date: 21-JUN-2008 00:48
Report Date: 06/30/2008
Matrix: WATER
% Solids: NA

Lab ID: SB3059-8
Client ID: AWD-GW-MW101061008
SDG: CTO426-3
Extracted by: KF
Extraction Method: SW846 3510
Analyst: KGT
Analysis Method: SW846 M8015B
Lab Prep Batch: WG52475
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
	Extractable TPH C9-C36	J	44	1.0	75	75	42
	O-Terphenyl		72%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 06/10/08
Received Date: 06/11/08
Extraction Date: 06/13/08
Analysis Date: 21-JUN-2008 01:27
Report Date: 06/30/2008
Matrix: WATER
% Solids: NA

Lab ID: SB3059-9
Client ID: AWD-GW-MW305061008
SDG: CTO426-3
Extracted by: KF
Extraction Method: SW846 3510
Analyst: KGT
Analysis Method: SW846 M8015B
Lab Prep Batch: WG52475
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
	Extractable TPH C9-C36		100	1.0	75	75	43
	O-Terphenyl		68%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 06/10/08
Received Date: 06/11/08
Extraction Date: 06/13/08
Analysis Date: 21-JUN-2008 02:06
Report Date: 06/30/2008
Matrix: WATER
% Solids: NA

Lab ID: SB3059-10
Client ID: AWD-GW-MW201061008
SDG: CTO426-3
Extracted by: KF
Extraction Method: SW846 3510
Analyst: KGT
Analysis Method: SW846 M8015B
Lab Prep Batch: WG52475
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
	Extractable TPH C9-C36	U	75	1.0	75	75	43
	O-Terphenyl		78%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 06/10/08
Received Date: 06/11/08
Extraction Date: 06/13/08
Analysis Date: 21-JUN-2008 02:45
Report Date: 06/30/2008
Matrix: WATER
% Solids: NA

Lab ID: SB3059-11
Client ID: AWD-GW-DUP01
SDG: CTO426-3
Extracted by: KF
Extraction Method: SW846 3510
Analyst: KGT
Analysis Method: SW846 M8015B
Lab Prep Batch: WG52475
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
	Extractable TPH C9-C36	U	75	1.0	75	75	42
	O-Terphenyl		78%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 06/10/08
Received Date: 06/11/08
Extraction Date: 06/13/08
Analysis Date: 21-JUN-2008 03:24
Report Date: 06/30/2008
Matrix: WATER
% Solids: NA

Lab ID: SB3059-12
Client ID: AWD-GWMW20220080610
SDG: CTO426-3
Extracted by: KF
Extraction Method: SW846 3510
Analyst: KGT
Analysis Method: SW846 M8015B
Lab Prep Batch: WG52475
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
	Extractable TPH C9-C36		260	1.0	75	75	43
	O-Terphenyl		61%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 06/10/08
Received Date: 06/11/08
Extraction Date: 06/13/08
Analysis Date: 21-JUN-2008 04:03
Report Date: 06/30/2008
Matrix: WATER
% Solids: NA

Lab ID: SB3059-13
Client ID: AWD-GWMW1420080610
SDG: CTO426-3
Extracted by: KF
Extraction Method: SW846 3510
Analyst: KGT
Analysis Method: SW846 M8015B
Lab Prep Batch: WG52475
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
	Extractable TPH C9-C36		200	1.0	75	75	45
	O-Terphenyl		70%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 06/11/08
Received Date: 06/12/08
Extraction Date: 06/13/08
Analysis Date: 21-JUN-2008 04:42
Report Date: 06/30/2008
Matrix: WATER
% Solids: NA

Lab ID: SB3101-1
Client ID: AWD-GW-MW302-061108
SDG: CTO426-3
Extracted by: KF
Extraction Method: SW846 3510
Analyst: KGT
Analysis Method: SW846 M8015B
Lab Prep Batch: WG52475
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
	Extractable TPH C9-C36		140	1.0	75	75	44
	O-Terphenyl		50%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 06/11/08
Received Date: 06/12/08
Extraction Date: 06/13/08
Analysis Date: 21-JUN-2008 05:21
Report Date: 06/30/2008
Matrix: WATER
% Solids: NA

Lab ID: SB3101-2
Client ID: AWDSWPZ203A20080611
SDG: CTO426-3
Extracted by: KF
Extraction Method: SW846 3510
Analyst: KGT
Analysis Method: SW846 M8015B
Lab Prep Batch: WG52475
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
	Extractable TPH C9-C36		230	1.0	75	77	46
	O-Terphenyl		60%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 06/11/08
Received Date: 06/12/08
Extraction Date: 06/13/08
Analysis Date: 21-JUN-2008 06:00
Report Date: 06/30/2008
Matrix: WATER
% Solids: NA

Lab ID: SB3101-3
Client ID: AWD-GWMW30120080611
SDG: CTO426-3
Extracted by: KF
Extraction Method: SW846 3510
Analyst: KGT
Analysis Method: SW846 M8015B
Lab Prep Batch: WG52475
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
	Extractable TPH C9-C36		90	1.0	75	77	46
	O-Terphenyl		71%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 06/11/08
Received Date: 06/12/08
Extraction Date: 06/13/08
Analysis Date: 21-JUN-2008 09:15
Report Date: 06/30/2008
Matrix: WATER
% Solids: NA

Lab ID: SB3101-4
Client ID: AWD-GWMW401-061108
SDG: CTO426-3
Extracted by: KF
Extraction Method: SW846 3510
Analyst: KGT
Analysis Method: SW846 M8015B
Lab Prep Batch: WG52475
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
	Extractable TPH C9-C36	U	77	1.0	75	77	46
	O-Terphenyl		81%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 06/11/08
Received Date: 06/12/08
Extraction Date: 06/17/08
Analysis Date: 23-JUN-2008 22:51
Report Date: 06/30/2008
Matrix: WATER
% Solids: NA

Lab ID: SB3101-5
Client ID: AWD-GWMW303-061108
SDG: CTO426-3
Extracted by: KF
Extraction Method: SW846 3510
Analyst: KGT
Analysis Method: SW846 M8015B
Lab Prep Batch: WG52594
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
	Extractable TPH C9-C36		1500	1.0	75	75	44
	O-Terphenyl		70%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 06/11/08
Received Date: 06/12/08
Extraction Date: 06/17/08
Analysis Date: 23-JUN-2008 23:30
Report Date: 06/30/2008
Matrix: WATER
% Solids: NA

Lab ID: SB3101-6
Client ID: AWD-GW-DUP02
SDG: CTO426-3
Extracted by: KF
Extraction Method: SW846 3510
Analyst: KGT
Analysis Method: SW846 M8015B
Lab Prep Batch: WG52594
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
	Extractable TPH C9-C36	J	43	1.0	75	75	42
	O-Terphenyl		70%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client:
Project: CTO 426 NLON
PO No:
Sample Date:
Received Date:
Extraction Date: 06/13/08
Analysis Date: 20-JUN-2008 15:46
Report Date: 06/30/2008
Matrix: WATER
% Solids: NA

Lab ID: WG52475-1
Client ID: WG52475-Blank
SDG: CTO426-3
Extracted by: KF
Extraction Method: SW846 3510
Analyst: KGT
Analysis Method: SW846 M8015B
Lab Prep Batch: WG52475
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
	Extractable TPH C9-C36	U	75	1.0	75	75	45
	O-Terphenyl		78%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client:
Project: CTO 426 NLON
PO No:
Sample Date:
Received Date:
Extraction Date: 06/17/08
Analysis Date: 23-JUN-2008 20:18
Report Date: 06/30/2008
Matrix: WATER
% Solids: NA

Lab ID: WG52594-1
Client ID: WG52594-Blank
SDG: CTO426-3
Extracted by: KF
Extraction Method: SW846 3510
Analyst: KGT
Analysis Method: SW846 M8015B
Lab Prep Batch: WG52594
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
	Extractable TPH C9-C36	U	75	1.0	75	75	45
	O-Terphenyl		65%				

FORM 2
WATER DRO SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 426 NLON SDG No.: CTO426-3

	CLIENT SAMPLE ID	LAB SAMPLE ID	S1 OTP#	S2 #	S3 #	S4 #	S5 #	S6 #	S7 #	S8 #	TOT OUT
01	WG52475-BLANK	WG52475-1	78								0
02	WG52475-LCS	WG52475-2	90								0
03	GW-MW104-060908MS	WG52475-3	73								0
04	GW-MW104-060908MSD	WG52475-4	78								0
05	AWD-GW-MW103-060908	SB3059-1	81								0
06	AWD-GW-MW102-060908	SB3059-2	70								0
07	AWD-GWMW40420080609	SB3059-3	74								0
08	GW-MW104-060908	SB3059-4	68								0
09	AWD-GWMW40320080609	SB3059-5	68								0
10	AWD-GWMW40220080609	SB3059-6	67								0
11	AWD-GW-MW304061008	SB3059-7	70								0
12	AWD-GW-MW101061008	SB3059-8	72								0
13	AWD-GW-MW305061008	SB3059-9	68								0
14	AWD-GW-MW201061008	SB3059-10	78								0
15	AWD-GW-DUP01	SB3059-11	78								0
16	AWD-GWMW20220080610	SB3059-12	61								0
17	AWD-GWMW1420080610	SB3059-13	70								0
18	AWD-GW-MW302-061108	SB3101-1	50								0
19	AWDSWPZ203A20080611	SB3101-2	60								0
20	AWD-GWMW30120080611	SB3101-3	71								0
21	AWD-GWMW401-061108	SB3101-4	81								0
22	WG52594-BLANK	WG52594-1	65								0
23	WG52594-LCS	WG52594-2	69								0
24	WG52594-LCSD	WG52594-3	66								0
25	AWD-GWMW303-061108	SB3101-5	70								0
26	AWD-GW-DUP02	SB3101-6	70								0
27											
28											

S1 (OTP) = O-Terphenyl QC LIMITS (46-116)

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

KATAHDIN ANALYTICAL SERVICES
LAB CONTROL SAMPLE

Client:
Project: CTO 426 NLON
PO No:
Sample Date:
Received Date:
Extraction Date: 06/13/08
Analysis Date: 06/20/08
Report Date: 06/30/2008
Matrix: WATER

Lab ID: WG52475-2
Client ID: WG52475-LCS
SDG: CTO426-3
Extracted by: KF
Extraction Method: SW846 3510
Analyst: KGT
Analysis Method: SW846 M8015B
Lab Prep Batch: WG52475
Units: ug/L

COMPOUND	LCS SPIKE	SAMPLE CONC.	LCS CONC.	%REC.	QC. LIMITS
Extractable TPH C9-C36	500	NA	407	81	33-135

FORM III DRO-1

ABF3041.d

KATAHDIN ANALYTICAL SERVICES
LAB CONTROL SAMPLE

Client:
Project: CTO 426 NLON
PO No:
Sample Date:
Received Date:
Extraction Date: 06/17/08
Analysis Date: 06/23/08
Report Date: 06/30/2008
Matrix: WATER

Lab ID: WG52594-2 & WG52594-3
Client ID: WG52594-LCS & WG52594-LCSD
SDG: CTO426-3
Extracted by: KF
Extraction Method: SW846 3510
Analyst: KGT
Analysis Method: SW846 M8015B
Lab Prep Batch: WG52594
Units: ug/L

COMPOUND	LCS SPIKE	LCSD SPIKE	SAMPLE CONC.	LCS CONC.	LCSD CONC.	LCS %REC.	LCSD %REC.	%RPD	%RPD LIMIT	QC. LIMITS
Extractable TPH C9-C36	500	500	NA	328	341	66	68	4	20	33-135

FORM III DRO-1

ABF3083.d & ABF3084.d

KATAHDIN ANALYTICAL SERVICES
MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 06/09/08
Received Date: 06/11/08
Extraction Date: 06/13/08
Analysis Date: 06/20/08
Report Date: 07/01/2008
Matrix: WATER

Lab ID: WG52475-3 & WG52475-4
Client ID: GW-MW104-060908MS & GW-MW104-060908MSD
SDG: CTO426-3
Extracted by: KF
Extraction Method: SW846 3510
Analyst: KGT
Analysis Method: SW846 M8015B
Lab Prep Batch: WG52475
Units: ug/L

COMPOUND	MS SPIKE	MSD SPIKE	SAMPLE CONC.	MS CONC.	MSD CONC.	MS %REC.	MSD %REC.	%RPD	%RPD LIMIT	QC. LIMITS
Extractable TPH C9-C36	472	521	0.00	311	378	66	72	19	20	33-135

FORM III DRO-1

ABF3042.d & ABF3043.d

FORM 4
SEMIVOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE ID

WG52475-BLANK

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 426 NLON SDG No.: CTO426-3

Lab File ID: ABF3040 Lab Sample ID: WG52475-1

Instrument ID: GC10 Date Extracted: 06/13/08

Matrix: (soil/water) WATER Date Analyzed: 06/20/08

Level:(low/med) LOW Time Analyzed: 1546

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	WG52475-LCS	WG52475-2	ABF3041	06/20/08	1624
02	GW-MW104-060908MS	WG52475-3	ABF3042	06/20/08	1702
03	GW-MW104-060908MSD	WG52475-4	ABF3043	06/20/08	1741
04	AWD-GW-MW103-060908	SB3059-1	ABF3044	06/20/08	1819
05	AWD-GW-MW102-060908	SB3059-2	ABF3045	06/20/08	1858
06	AWD-GWMW40420080609	SB3059-3	ABF3046	06/20/08	1936
07	GW-MW104-060908	SB3059-4	ABF3047	06/20/08	2015
08	AWD-GWMW40320080609	SB3059-5	ABF3048	06/20/08	2054
09	AWD-GWMW40220080609	SB3059-6	ABF3049	06/20/08	2133
10	AWD-GW-MW304061008	SB3059-7	ABF3053	06/21/08	0009
11	AWD-GW-MW101061008	SB3059-8	ABF3054	06/21/08	0048
12	AWD-GW-MW305061008	SB3059-9	ABF3055	06/21/08	0127
13	AWD-GW-MW201061008	SB3059-10	ABF3056	06/21/08	0206
14	AWD-GW-DUP01	SB3059-11	ABF3057	06/21/08	0245
15	AWD-GWMW20220080610	SB3059-12	ABF3058	06/21/08	0324
16	AWD-GWMW1420080610	SB3059-13	ABF3059	06/21/08	0403
17	AWD-GW-MW302-061108	SB3101-1	ABF3060	06/21/08	0442
18	AWDSWPZ203A20080611	SB3101-2	ABF3061	06/21/08	0521
19	AWD-GWMW30120080611	SB3101-3	ABF3062	06/21/08	0600
20	AWD-GWMW401-061108	SB3101-4	ABF3067	06/21/08	0915
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					

COMMENTS:

FORM IVDRO

FORM 4

SEMIVOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE ID

WG52594-BLANK

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 426 NLON SDG No.: CTO426-3

Lab File ID: ABF3082 Lab Sample ID: WG52594-1

Instrument ID: GC10 Date Extracted: 06/17/08

Matrix: (soil/water) WATER Date Analyzed: 06/23/08

Level:(low/med) LOW Time Analyzed: 2018

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	WG52594-LCS	WG52594-2	ABF3083	06/23/08	2056
02	WG52594-LCSD	WG52594-3	ABF3084	06/23/08	2134
03	AWD-GWMW303-061108	SB3101-5	ABF3086	06/23/08	2251
04	AWD-GW-DUP02	SB3101-6	ABF3087	06/23/08	2330
05					
06					
07					
08					
09					
10					
11					
12					
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30					

COMMENTS:

FORM IVDRO

FORM 6
DRO INITIAL CALIBRATION DATA

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project CTO 426 NLON SDG No.: CTO426-3

Instrument ID: GC10 Calibration Date(s): 04/08/08 04/08/08

Column: ZB-1 ID: 0.53 (mm) Calibration Time(s): 1420 1651

LAB FILE ID: RF5: ABD1097A RF20: ABD1096A RF50: ABD1093A
RF100: ABD1095A RF200: ABD1094A

COMPOUND	RF5	RF20	RF50	RF100	RF200	CURVE	COEFFICENTS A0	A1	%RSD OR R^2	MAX %RSD OR R^2
TPH Peaks C9-C36	456260	1909700	4544300	9497900	2e+007	LINR	-10.264417	1.54e-004	0.99937	0.99000
C-9	32386	131110	311890	653460	1248100	LINR	-0.6810611	1.595e-004	0.99943	0.99000
C-10	31005	132020	319160	664960	1274400	LINR	-0.5081632	1.561e-004	0.99951	0.99000
C-12	27211	125450	320650	673420	1279800	LINR	-0.1114423	1.548e-004	0.99923	0.99000
C-14	31425	136730	317000	672580	1282800	LINR	-0.5758226	1.551e-004	0.99933	0.99000
C-16	34123	135830	322490	673160	1282100	LINR	-0.8506545	1.553e-004	0.99938	0.99000
C-18	33247	138080	327370	683110	1300500	LINR	-0.8120776	1.53e-004	0.99936	0.99000
C-19	33132	137550	329450	685830	1302400	LINR	-0.8427309	1.527e-004	0.99930	0.99000
C-20	34097	140550	330000	691020	1316400	LINR	-0.8172681	1.512e-004	0.99936	0.99000
C-22	34304	139000	329680	685580	1308500	LINR	-0.8440508	1.522e-004	0.99943	0.99000
C-24	34078	143900	332590	683930	1304200	LINR	-1.1734825	1.529e-004	0.99940	0.99000
C-26	33545	137790	327210	674910	1278500	LINR	-1.1343041	1.557e-004	0.99925	0.99000
C-28	33967	141410	332500	687730	1311000	LINR	-0.9828310	1.52e-004	0.99940	0.99000
C-30	34330	143730	338520	702840	1348400	LINR	-0.7436945	1.478e-004	0.99954	0.99000
C-36	29401	126510	305840	665380	1256300	LINR	-0.1392394	1.577e-004	0.99895	0.99000
O-Terphenyl	15561	61620	145870	300120	574940	LINR	-0.3931122	1.387e-004	0.99953	0.99000

FORM VI DRO

Report Date : 30-Jun-2008 08:18

Katahdin Analytical Services

INITIAL CALIBRATION DATA

Start Cal Date : 08-APR-2008 14:20
End Cal Date : 08-APR-2008 16:51
Quant Method : ESTD
Origin : Included
Target Version : 4.12
Integrator : HP Genie
Method file : \\Target_server\GG\chem\gc10.i\GC10BD08A1.b\tpha021a.m
Cal Date : 29-May-2008 12:25 ktanguay

Calibration File Names:
Level 1: \\Target_server\GG\chem\gc10.i\GC10BD08A1.b\ABD1097a.d
Level 2: \\Target_server\GG\chem\gc10.i\GC10BD08A1.b\ABD1096a.d
Level 3: \\Target_server\GG\chem\gc10.i\GC10BD08A1.b\ABD1093a.d
Level 4: \\Target_server\GG\chem\gc10.i\GC10BD08A1.b\ABD1095a.d
Level 5: \\Target_server\GG\chem\gc10.i\GC10BD08A1.b\ABD1094a.d

	Compound	5.0000 Level 1	20.0000 Level 2	50.0000 Level 3	100.0000 Level 4	200.0000 Level 5	Curve	Coefficients b	m1	m2	%RSD or R^2	
M	1 TPH Peaks C9-C36	456258	1909678	4544345	9497893	18093636	LINR	-10.26442	6496		0.99937	
S	32 TPH-Product	+++++	+++++	+++++	+++++	+++++	LINR	0.000e+000	0.000e+000		0.000e+000	<-
	2 C-9	32386	131110	311889	653463	1248126	LINR	-0.68106	6270		0.99943	
	3 C-10	31005	132023	319159	664959	1274452	LINR	-0.50816	6406		0.99951	
	4 C-12	27211	125454	320651	673418	1279795	LINR	-0.11144	6459		0.99923	
	5 C-14	31425	136733	317002	672581	1282836	LINR	-0.57582	6449		0.99933	
	6 C-16	34123	135830	322487	673159	1282135	LINR	-0.85065	6440		0.99938	
	7 C-18	33247	138080	327374	683107	1300537	LINR	-0.81208	6535		0.99936	
	9 C-19	33132	137554	329450	685829	1302420	LINR	-0.84273	6547		0.99930	
	10 Extractable TPH C9-C36	456258	1909678	4544354	9497893	18093636	LINR	-10.26469	6496		0.99937	
	11 C-20	34097	140554	330004	691018	1316403	LINR	-0.81727	6612		0.99936	
	12 C-22	34304	139004	329681	685575	1308489	LINR	-0.84405	6570		0.99943	
	13 C-24	34078	143901	332588	683933	1304227	LINR	-1.17348	6540		0.99940	
	14 C-26	33545	137787	327206	674908	1278460	LINR	-1.13430	6422		0.99925	
	15 C-28	33967	141407	332501	687730	1311034	LINR	-0.98283	6581		0.99940	

Sample Data Summary A0000093

Report Date : 30-Jun-2008 08:18

Katahdin Analytical Services

INITIAL CALIBRATION DATA

Start Cal Date : 08-APR-2008 14:20
End Cal Date : 08-APR-2008 16:51
Quant Method : ESTD
Origin : Included
Target Version : 4.12
Integrator : HP Genie
Method file : \\Target_server\GG\chem\gc10.i\GC10BD08A1.b\tpha021a.m
Cal Date : 29-May-2008 12:25 ktanguay

Compound	5.0000 Level 1	20.0000 Level 2	50.0000 Level 3	100.0000 Level 4	200.0000 Level 5	Curve	Coefficients b	m1	m2	%RSD or R^2
16 C-30	34330	143726	338516	702836	1348413	LINR	-0.74369	6767		0.99954
17 C-36	29401	126507	305837	665377	1256309	LINR	-0.13924	6342		0.99895
$ 8 O-Terphenyl	15561	61620	145866	300124	574935	LINR	-0.39311	7207		0.99953

Sample Data Summary A0000094

Report Date : 30-Jun-2008 08:18

Katahdin Analytical Services

INITIAL CALIBRATION DATA

Start Cal Date : 08-APR-2008 14:20
End Cal Date : 08-APR-2008 16:51
Quant Method : ESTD
Origin : Included
Target Version : 4.12
Integrator : HP Genie
Method file : \\Target_server\GG\chem\gc10.i\GC10BD08A1.b\tpha021a.m
Cal Date : 29-May-2008 12:25 ktanguay

Curve	Formula	Units
Linear	Amt = b + Rsp/m1	Response

Sample Data Summary A0000095

FORM 7B
SEMIVOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 426 NLON SDG No.: CTO426-3

Instrument ID: GC10 Calibration Date: 04/08/08 Time: 1729

Lab File ID: ABD1098A Init. Calib. Date(s): 04/08/08 04/08/08

Init. Calib. Times: 1420 1651

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-10	47.982000	50.000000	6212.0000	0.01	-4.04	20.00	LINR
C-12	49.926000	50.000000	6464.1000	0.01	-0.15	20.00	LINR
C-14	48.222000	50.000000	6293.8000	0.01	-3.56	20.00	LINR
C-16	49.240000	50.000000	6451.3000	0.01	-1.52	20.00	LINR
C-18	49.344000	50.000000	6555.0000	0.01	-1.31	20.00	LINR
C-20	47.780000	50.000000	6427.0000	0.01	-4.44	20.00	LINR
C-22	49.249000	50.000000	6582.3000	0.01	-1.50	20.00	LINR
C-24	49.240000	50.000000	6594.6000	0.01	-1.52	20.00	LINR
C-26	50.386000	50.000000	6617.2000	0.01	0.77	20.00	LINR
C-28	44.499000	50.000000	5986.2000	0.01	-11.00	20.00	LINR

FORM VII DRO

FORM 7B
SEMIVOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 426 NLON SDG No.: CTO426-3

Instrument ID: GC10 Calibration Date: 06/20/08 Time: 1353

Lab File ID: ABF3039 Init. Calib. Date(s): 04/08/08 04/08/08

Init. Calib. Times: 1420 1651

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
TPH Peaks C9-C36	720.13000	700.00000	6776.7000	0.01	2.88	20.00	LINR
C-9	53.013000	50.000000	6733.5000	0.01	6.03	20.00	LINR
C-10	55.472000	50.000000	7171.6000	0.01	10.94	20.00	LINR
C-12	52.295000	50.000000	6770.1000	0.01	4.59	20.00	LINR
C-14	52.470000	50.000000	6841.6000	0.01	4.94	20.00	LINR
C-16	51.975000	50.000000	6803.6000	0.01	3.95	20.00	LINR
C-18	50.856000	50.000000	6752.6000	0.01	1.71	20.00	LINR
C-19	51.129000	50.000000	6805.6000	0.01	2.26	20.00	LINR
C-20	51.690000	50.000000	6943.9000	0.01	3.38	20.00	LINR
C-22	51.801000	50.000000	6917.7000	0.01	3.60	20.00	LINR
C-24	51.266000	50.000000	6859.6000	0.01	2.53	20.00	LINR
C-26	51.764000	50.000000	6794.1000	0.01	3.53	20.00	LINR
C-28	51.150000	50.000000	6861.7000	0.01	2.30	20.00	LINR
C-30	49.369000	50.000000	6782.3000	0.01	-1.26	20.00	LINR
C-36	45.878000	50.000000	5836.5000	0.01	-8.24	20.00	LINR
O-Terphenyl	21.147000	20.000000	7762.4000	0.01	5.74	20.00	LINR

FORM VII DRO

FORM 7B
SEMIVOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 426 NLON SDG No.: CTO426-3

Instrument ID: GC10 Calibration Date: 06/20/08 Time: 2330

Lab File ID: ABF3052 Init. Calib. Date(s): 04/08/08 04/08/08

Init. Calib. Times: 1420 1651

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
TPH Peaks C9-C36	256.94000	280.00000	6196.1000	0.01	-8.24	20.00	LINR
C-9	19.598000	20.000000	6357.6000	0.01	-2.01	20.00	LINR
C-10	21.310000	20.000000	6987.8000	0.01	6.55	20.00	LINR
C-12	19.407000	20.000000	6303.8000	0.01	-2.96	20.00	LINR
C-14	18.740000	20.000000	6228.4000	0.01	-6.30	20.00	LINR
C-16	18.261000	20.000000	6153.6000	0.01	-8.70	20.00	LINR
C-18	17.787000	20.000000	6076.8000	0.01	-11.06	20.00	LINR
C-19	17.925000	20.000000	6144.0000	0.01	-10.38	20.00	LINR
C-20	18.923000	20.000000	6526.5000	0.01	-5.38	20.00	LINR
C-22	18.126000	20.000000	6231.6000	0.01	-9.37	20.00	LINR
C-24	17.646000	20.000000	6154.5000	0.01	-11.77	20.00	LINR
C-26	17.786000	20.000000	6075.2000	0.01	-11.07	20.00	LINR
C-28	17.591000	20.000000	6111.6000	0.01	-12.04	20.00	LINR
C-30	17.224000	20.000000	6079.5000	0.01	-13.88	20.00	LINR
C-36	16.620000	20.000000	5314.0000	0.01	-16.90	20.00	LINR
O-Terphenyl	7.5016000	8.0000000	7112.5000	0.01	-6.23	20.00	LINR

FORM VII DRO

FORM 7B
SEMIVOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 426 NLON SDG No.: CTO426-3

Instrument ID: GC10 Calibration Date: 06/21/08 Time: 0836

Lab File ID: ABF3066 Init. Calib. Date(s): 04/08/08 04/08/08

Init. Calib. Times: 1420 1651

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
TPH Peaks C9-C36	655.73000	700.00000	6178.4000	0.01	-6.32	20.00	LINR
C-9	49.091000	50.000000	6241.7000	0.01	-1.82	20.00	LINR
C-10	50.882000	50.000000	6583.6000	0.01	1.76	20.00	LINR
C-12	49.026000	50.000000	6347.8000	0.01	-1.95	20.00	LINR
C-14	47.977000	50.000000	6262.1000	0.01	-4.05	20.00	LINR
C-16	47.301000	50.000000	6201.6000	0.01	-5.40	20.00	LINR
C-18	46.178000	50.000000	6141.3000	0.01	-7.64	20.00	LINR
C-19	46.370000	50.000000	6182.5000	0.01	-7.26	20.00	LINR
C-20	46.534000	50.000000	6262.2000	0.01	-6.93	20.00	LINR
C-22	46.434000	50.000000	6212.4000	0.01	-7.13	20.00	LINR
C-24	46.115000	50.000000	6185.7000	0.01	-7.77	20.00	LINR
C-26	46.288000	50.000000	6090.8000	0.01	-7.42	20.00	LINR
C-28	45.736000	50.000000	6149.1000	0.01	-8.53	20.00	LINR
C-30	45.074000	50.000000	6200.9000	0.01	-9.85	20.00	LINR
C-36	42.725000	50.000000	5436.6000	0.01	-14.55	20.00	LINR
O-Terphenyl	18.976000	20.000000	6980.0000	0.01	-5.12	20.00	LINR

FORM VII DRO

FORM 7B
SEMIVOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 426 NLON SDG No.: CTO426-3

Instrument ID: GC10 Calibration Date: 06/21/08 Time: 1230

Lab File ID: ABF3072 Init. Calib. Date(s): 04/08/08 04/08/08

Init. Calib. Times: 1420 1651

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
TPH Peaks C9-C36	262.66000	280.00000	6326.9000	0.01	-6.19	20.00	LINR
C-9	22.028000	20.000000	7119.6000	0.01	10.14	20.00	LINR
C-10	21.689000	20.000000	7109.4000	0.01	8.44	20.00	LINR
C-12	19.497000	20.000000	6332.6000	0.01	-2.52	20.00	LINR
C-14	19.012000	20.000000	6316.0000	0.01	-4.94	20.00	LINR
C-16	18.483000	20.000000	6225.2000	0.01	-7.58	20.00	LINR
C-18	18.015000	20.000000	6151.5000	0.01	-9.92	20.00	LINR
C-19	18.188000	20.000000	6230.2000	0.01	-9.06	20.00	LINR
C-20	18.729000	20.000000	6462.5000	0.01	-6.36	20.00	LINR
C-22	18.319000	20.000000	6295.2000	0.01	-8.40	20.00	LINR
C-24	18.074000	20.000000	6294.5000	0.01	-9.63	20.00	LINR
C-26	17.964000	20.000000	6132.3000	0.01	-10.18	20.00	LINR
C-28	17.935000	20.000000	6224.9000	0.01	-10.32	20.00	LINR
C-30	17.629000	20.000000	6216.6000	0.01	-11.86	20.00	LINR
C-36	17.100000	20.000000	5466.4000	0.01	-14.50	20.00	LINR
O-Terphenyl	7.5696000	8.0000000	7173.8000	0.01	-5.38	20.00	LINR

FORM VII DRO

FORM 7B
SEMIVOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 426 NLON SDG No.: CTO426-3

Instrument ID: GC10 Calibration Date: 06/23/08 Time: 1550

Lab File ID: ABF3078 Init. Calib. Date(s): 04/08/08 04/08/08

Init. Calib. Times: 1420 1651

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
TPH Peaks C9-C36	601.57000	700.00000	5675.5000	0.01	-14.06	20.00	LINR
C-9	44.883000	50.000000	5714.0000	0.01	-10.23	20.00	LINR
C-10	46.102000	50.000000	5971.3000	0.01	-7.80	20.00	LINR
C-12	43.662000	50.000000	5654.9000	0.01	-12.68	20.00	LINR
C-14	44.099000	50.000000	5762.0000	0.01	-11.80	20.00	LINR
C-16	43.452000	50.000000	5705.9000	0.01	-13.10	20.00	LINR
C-18	42.196000	50.000000	5620.9000	0.01	-15.61	20.00	LINR
C-19	42.280000	50.000000	5646.9000	0.01	-15.44	20.00	LINR
C-20	42.447000	50.000000	5721.6000	0.01	-15.11	20.00	LINR
C-22	42.663000	50.000000	5716.9000	0.01	-14.67	20.00	LINR
C-24	42.413000	50.000000	5701.6000	0.01	-15.17	20.00	LINR
C-26	42.759000	50.000000	5637.6000	0.01	-14.48	20.00	LINR
C-28	42.008000	50.000000	5658.3000	0.01	-15.98	20.00	LINR
C-30	41.125000	50.000000	5666.5000	0.01	-17.75	20.00	LINR
C-36	41.476000	50.000000	5278.3000	0.01	-17.05	20.00	LINR
O-Terphenyl	17.415000	20.000000	6417.6000	0.01	-12.92	20.00	LINR

FORM VII DRO

FORM 7B
SEMIVOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 426 NLON SDG No.: CTO426-3

Instrument ID: GC10 Calibration Date: 06/24/08 Time: 0125

Lab File ID: ABF3090 Init. Calib. Date(s): 04/08/08 04/08/08

Init. Calib. Times: 1420 1651

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	
TPH Peaks C9-C36	219.19000	280.00000	5321.1000	0.01	-21.72	20.00	LINR	<-
C-9	18.688000	20.000000	6072.6000	0.01	-6.56	20.00	LINR	
C-10	18.626000	20.000000	6128.2000	0.01	-6.87	20.00	LINR	
C-12	16.636000	20.000000	5408.6000	0.01	-16.82	20.00	LINR	
C-14	16.302000	20.000000	5442.2000	0.01	-18.49	20.00	LINR	
C-16	15.767000	20.000000	5350.6000	0.01	-21.16	20.00	LINR	<-
C-18	15.449000	20.000000	5313.2000	0.01	-22.76	20.00	LINR	<-
C-19	15.586000	20.000000	5378.4000	0.01	-22.07	20.00	LINR	<-
C-20	16.182000	20.000000	5620.3000	0.01	-19.09	20.00	LINR	
C-22	15.601000	20.000000	5402.2000	0.01	-22.00	20.00	LINR	<-
C-24	15.103000	20.000000	5322.9000	0.01	-24.48	20.00	LINR	<-
C-26	15.111000	20.000000	5216.3000	0.01	-24.44	20.00	LINR	<-
C-28	15.130000	20.000000	5301.7000	0.01	-24.35	20.00	LINR	<-
C-30	14.711000	20.000000	5229.0000	0.01	-26.44	20.00	LINR	<-
C-36	10.297000	20.000000	3309.1000	0.01	-48.52	20.00	LINR	<-
O-Terphenyl	6.4737000	8.0000000	6186.5000	0.01	-19.08	20.00	LINR	

FORM VII DRO

FORM 8
DRO ANALYTICAL SEQUENCE

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 426 NLON SDG No.: CTO426-3

GC Column: ZB-1 ID: 0.53 (mm) Init. Calib. Date(s): 04/08/08 04/08/08

Instrument ID: GC10

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION
S1 : 12.56

	CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	S1 RT #	RT #
01		PHC 50UG/ML	04/08/08	1420	12.56	
02		PHC 200UG/ML	04/08/08	1458	12.57	
03		PHC 100UG/ML	04/08/08	1535	12.56	
04		PHC 20UG/ML	04/08/08	1613	12.56	
05		PHC 5UG/ML	04/08/08	1651	12.55	
06		PHC IND	04/08/08	1729		
07		PHC 50UG/ML	06/20/08	1353	12.47	
08	WG52475-BLAN	WG52475-1	06/20/08	1546	12.46	
09	WG52475-LCS	WG52475-2	06/20/08	1624	12.46	
10	GW-MW104-060	WG52475-3	06/20/08	1702	12.45	
11	GW-MW104-060	WG52475-4	06/20/08	1741	12.45	
12	AWD-GW-MW103	SB3059-1	06/20/08	1819	12.45	
13	AWD-GW-MW102	SB3059-2	06/20/08	1858	12.44	
14	AWD-GWMW4042	SB3059-3	06/20/08	1936	12.44	
15	GW-MW104-060	SB3059-4	06/20/08	2015	12.45	
16	AWD-GWMW4032	SB3059-5	06/20/08	2054	12.44	
17	AWD-GWMW4022	SB3059-6	06/20/08	2133	12.44	
18		PHC 20UG/ML	06/20/08	2330	12.44	
19	AWD-GW-MW304	SB3059-7	06/21/08	0009	12.44	
20	AWD-GW-MW101	SB3059-8	06/21/08	0048	12.44	

S1 = O-Terphenyl QC LIMITS (+/- 0.38 MINUTES)

Column used to flag retention time values with an asterisk.
* Values outside of QC limits.

FORM VIII DRO

FORM 8
DRO ANALYTICAL SEQUENCE

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 426 NLON SDG No.: CTO426-3

GC Column: ZB-1 ID: 0.53 (mm) Init. Calib. Date(s): 04/08/08 04/08/08

Instrument ID: GC10

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION
S1 : 12.56

	CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	S1 RT #	RT #
01	AWD-GW-MW305	SB3059-9	06/21/08	0127	12.44	
02	AWD-GW-MW201	SB3059-10	06/21/08	0206	12.44	
03	AWD-GW-DUP01	SB3059-11	06/21/08	0245	12.44	
04	AWD-GWMW2022	SB3059-12	06/21/08	0324	12.44	
05	AWD-GWMW1420	SB3059-13	06/21/08	0403	12.44	
06	AWD-GW-MW302	SB3101-1	06/21/08	0442	12.44	
07	AWDSWPZ203A2	SB3101-2	06/21/08	0521	12.44	
08	AWD-GWMW3012	SB3101-3	06/21/08	0600	12.44	
09		PHC 50UG/ML	06/21/08	0836	12.44	
10	AWD-GWMW401-	SB3101-4	06/21/08	0915	12.44	
11		PHC 20UG/ML	06/21/08	1230	12.45	
12		PHC 50UG/ML	06/23/08	1550	12.46	
13	WG52594-BLAN	WG52594-1	06/23/08	2018	12.45	
14	WG52594-LCS	WG52594-2	06/23/08	2056	12.45	
15	WG52594-LCSD	WG52594-3	06/23/08	2134	12.45	
16	AWD-GWMW303-	SB3101-5	06/23/08	2251	12.44	
17	AWD-GW-DUP02	SB3101-6	06/23/08	2330	12.44	
18		PHC 20UG/ML	06/24/08	0125	12.45	
19						
20						

S1 = O-Terphenyl QC LIMITS (+/- 0.38 MINUTES)

Column used to flag retention time values with an asterisk.
* Values outside of QC limits.

FORM VIII DRO

VOLATILES DATA

QC Summary Section

FORM 2
WATER VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 426 NLON SDG No.: CTO426-3

	CLIENT SAMPLE ID	LAB SAMPLE ID	SMC1 DBF#	SMC2 DCA#	SMC3 TOL#	SMC4 BFB#	TOT OUT
01	WG52635-LCS	WG52635-1	102	98	102	111	0
02	WG52635-BLANK	WG52635-2	102	99	102	112	0
03	WG52642-LCS	WG52642-1	87	100	90	96	0
04	AWD-GW-MW103-060908	SB3059-1	100	98	101	109	0
05	WG52642-BLANK	WG52642-2	99	115	95	93	0
06	AWD-GW-MW102-060908	SB3059-2	98	99	100	104	0
07	GW-MW104-060908	SB3059-4	98	98	102	105	0
08	AWD-GWMW40420080609	SB3059-3	101	101	103	112	0
09	AWD-GWMW40320080609	SB3059-5	101	99	101	108	0
10	GW-MW104-060908MS	WG52635-3	96	96	103	108	0
11	GW-MW104-060908MSD	WG52635-4	103	96	105	110	0
12	AWD-GW-MW101061008	SB3059-8	110	125	97	98	0
13	WG52683-LCS	WG52683-1	98	92	102	110	0
14	WG52683-BLANK	WG52683-2	103	94	100	102	0
15	AWD-TB061008	SB3059-14	102	94	103	107	0
16	AWD-GWMW40220080609	SB3059-6RA	102	101	99	109	0
17	AWD-GW-MW304061008	SB3059-7RA	104	97	107	107	0
18	AWD-GW-MW305061008	SB3059-9	106	100	105	110	0
19	AWD-GW-MW201061008	SB3059-10	108	100	97	108	0
20	AWD-GW-DUP01	SB3059-11	103	98	106	108	0
21	AWD-GWMW20220080610	SB3059-12	104	103	106	114	0
22	AWD-GWMW1420080610	SB3059-13	104	99	104	115	0
23	WG52722-LCS	WG52722-1	105	100	106	108	0
24	WG52722-BLANK	WG52722-2	105	103	101	102	0
25	AWD-GW-MW302-061108	SB3101-1	105	99	106	101	0
26	AWD-GWMW30120080611	SB3101-3	104	99	114	109	0
27	AWD-GWMW401-061108	SB3101-4	105	98	108	104	0
28	AWD-GWMW303-061108	SB3101-5	100	99	105	100	0

		QC LIMITS
SMC1 (DBF)	= Dibromofluoromethane	(76-114)
SMC2 (DCA)	= 1,2-Dichloroethane-D4	(71-128)
SMC3 (TOL)	= Toluene-D8	(74-117)
SMC4 (BFB)	= P-Bromofluorobenzene	(67-127)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D System Monitoring Compound diluted out

FORM 2
WATER VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 426 NLON SDG No.: CTO426-3

	CLIENT SAMPLE ID	LAB SAMPLE ID	SMC1 DBF#	SMC2 DCA#	SMC3 TOL#	SMC4 BFB#	TOT OUT
01	AWD-GW-DUP02	SB3101-6	108	96	100	100	0
02							
03							
04							
05							
06							
07							
08							
09							
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		QC LIMITS
SMC1 (DBF)	= Dibromofluoromethane	(76-114)
SMC2 (DCA)	= 1,2-Dichloroethane-D4	(71-128)
SMC3 (TOL)	= Toluene-D8	(74-117)
SMC4 (BFB)	= P-Bromofluorobenzene	(67-127)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D System Monitoring Compound diluted out

FORM 4
VOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE ID

WG52642-BLANK

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 426 NLON SDG No.: CTO426-3

Lab File ID: F0963 Lab Sample ID: WG52642-2

Date Analyzed: 06/18/08 Time Analyzed: 1321

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) N

Instrument ID: GCMS-F

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	WG52642-LCS	WG52642-1	F0961	06/18/08	1208
02	AWD-GW-MW101061008	SB3059-8	F0975	06/18/08	1935
03					
04					
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COMMENTS:

FORM IVVOA

FORM 4
VOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE ID

WG52635-BLANK

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 426 NLON SDG No.: CTO426-3

Lab File ID: S1418 Lab Sample ID: WG52635-2

Date Analyzed: 06/18/08 Time Analyzed: 1112

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	WG52635-LCS	WG52635-1	S1416	06/18/08	1000
02	AWD-GW-MW103-060908	SB3059-1	S1422	06/18/08	1316
03	AWD-GW-MW102-060908	SB3059-2	S1423	06/18/08	1347
04	GW-MW104-060908	SB3059-4	S1424	06/18/08	1419
05	AWD-GWMW40420080609	SB3059-3	S1427	06/18/08	1552
06	AWD-GWMW40320080609	SB3059-5	S1428	06/18/08	1623
07	GW-MW104-060908MS	WG52635-3	S1431	06/18/08	1756
08	GW-MW104-060908MSD	WG52635-4	S1432	06/18/08	1828
09					
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COMMENTS:

FORM IVVOA

FORM 4
VOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE ID

WG52683-BLANK

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 426 NLON SDG No.: CTO426-3

Lab File ID: S1443 Lab Sample ID: WG52683-2

Date Analyzed: 06/19/08 Time Analyzed: 1045

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	WG52683-LCS	WG52683-1	S1441	06/19/08	0932
02	AWD-TB061008	SB3059-14	S1444	06/19/08	1116
03	AWD-GWMW40220080609	SB3059-6RA	S1452	06/19/08	1525
04	AWD-GW-MW304061008	SB3059-7RA	S1453	06/19/08	1556
05	AWD-GW-MW305061008	SB3059-9	S1455	06/19/08	1658
06	AWD-GW-MW201061008	SB3059-10	S1456	06/19/08	1729
07	AWD-GW-DUP01	SB3059-11	S1457	06/19/08	1800
08	AWD-GWMW20220080610	SB3059-12	S1458	06/19/08	1832
09	AWD-GWMW1420080610	SB3059-13	S1459	06/19/08	1903
10					
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COMMENTS:

FORM IVVOA

FORM 4
VOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE ID

WG52722-BLANK

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 426 NLON SDG No.: CTO426-3

Lab File ID: S1468 Lab Sample ID: WG52722-2

Date Analyzed: 06/20/08 Time Analyzed: 0949

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	WG52722-LCS	WG52722-1	S1466	06/20/08	0836
02	AWD-GW-MW302-061108	SB3101-1	S1481	06/20/08	1643
03	AWD-GWMW30120080611	SB3101-3	S1482	06/20/08	1714
04	AWD-GWMW401-061108	SB3101-4	S1483	06/20/08	1745
05	AWD-GWMW303-061108	SB3101-5	S1484	06/20/08	1816
06	AWD-GW-DUP02	SB3101-6	S1485	06/20/08	1848
07					
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COMMENTS:

FORM IVVOA

FORM 5
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 426 NLON SDG No.: CTO426-3

Lab File ID: FB955 BFB Injection Date: 06/13/08

Instrument ID: GCMS-F BFB Injection Time: 1412

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	20.1
75	30.0 - 60.0% of mass 95	42.7
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.5
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	Greater than 50.0% of mass 95	81.7
175	5.0 - 9.0% of mass 174	7.1 (8.7)1
176	95.0 - 101.0% of mass 174	80.8 (98.9)1
177	5.0 - 9.0% of mass 176	5.6 (6.9)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01		VSTD200F13A	F0834	06/13/08	1506
02		VSTD100F13A	F0835	06/13/08	1537
03		VSTD050F13A	F0836	06/13/08	1608
04		VSTD020F13A	F0837	06/13/08	1639
05		VSTD005F13A	F0838	06/13/08	1709
06		VSTD001F13A	F0839	06/13/08	1740
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FORM V VOA

FORM 5
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 426 NLON SDG No.: CTO426-3

Lab File ID: FB960 BFB Injection Date: 06/18/08

Instrument ID: GCMS-F BFB Injection Time: 0923

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	23.0
75	30.0 - 60.0% of mass 95	45.5
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.6
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	Greater than 50.0% of mass 95	82.2
175	5.0 - 9.0% of mass 174	6.3 (7.7)1
176	95.0 - 101.0% of mass 174	79.3 (96.5)1
177	5.0 - 9.0% of mass 176	4.7 (6.0)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		VSTD050F18B	F0959	06/18/08	1031
02	WG52642-LCS	WG52642-1	F0961	06/18/08	1208
03	WG52642-BLANK	WG52642-2	F0963	06/18/08	1321
04	AWD-GW-MW101061008	SB3059-8	F0975	06/18/08	1935
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FORM V VOA

FORM 5
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 426 NLON SDG No.: CTO426-3

Lab File ID: SB841 BFB Injection Date: 06/16/08

Instrument ID: GCMS-S BFB Injection Time: 0840

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	23.6
75	30.0 - 60.0% of mass 95	48.7
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.7
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	Greater than 50.0% of mass 95	81.6
175	5.0 - 9.0% of mass 174	5.1 (6.3)1
176	95.0 - 101.0% of mass 174	81.9 (100.4)1
177	5.0 - 9.0% of mass 176	5.5 (6.7)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		VSTD200S16A	S1368	06/16/08	0936
02		VSTD100S16A	S1369	06/16/08	1007
03		VSTD050S16A	S1370	06/16/08	1039
04		VSTD020S16A	S1371	06/16/08	1110
05		VSTD005S16A	S1372	06/16/08	1141
06		VSTD001S16B	S1375	06/16/08	1332
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FORM V VOA

FORM 5
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 426 NLON SDG No.: CTO426-3

Lab File ID: SB843 BFB Injection Date: 06/18/08

Instrument ID: GCMS-S BFB Injection Time: 0855

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	23.0
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	6.4
173	Less than 2.0% of mass 174	0.4 (0.4)1
174	Greater than 50.0% of mass 95	88.0
175	5.0 - 9.0% of mass 174	5.5 (6.3)1
176	95.0 - 101.0% of mass 174	85.7 (97.4)1
177	5.0 - 9.0% of mass 176	5.0 (5.9)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01		VSTD050S18A	S1415	06/18/08	0916
02	WG52635-LCS	WG52635-1	S1416	06/18/08	1000
03	WG52635-BLANK	WG52635-2	S1418	06/18/08	1112
04	AWD-GW-MW103-060908	SB3059-1	S1422	06/18/08	1316
05	AWD-GW-MW102-060908	SB3059-2	S1423	06/18/08	1347
06	GW-MW104-060908	SB3059-4	S1424	06/18/08	1419
07	AWD-GWMW40420080609	SB3059-3	S1427	06/18/08	1552
08	AWD-GWMW40320080609	SB3059-5	S1428	06/18/08	1623
09	GW-MW104-060908MS	WG52635-3	S1431	06/18/08	1756
10	GW-MW104-060908MSD	WG52635-4	S1432	06/18/08	1828
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FORM V VOA

FORM 5
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 426 NLON SDG No.: CTO426-3

Lab File ID: SB844 BFB Injection Date: 06/19/08

Instrument ID: GCMS-S BFB Injection Time: 0826

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	30.2
75	30.0 - 60.0% of mass 95	53.5
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.8
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	Greater than 50.0% of mass 95	59.8
175	5.0 - 9.0% of mass 174	5.0 (8.4)1
176	95.0 - 101.0% of mass 174	58.2 (97.3)1
177	5.0 - 9.0% of mass 176	4.0 (6.9)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01		VSTD050S19A	S1440	06/19/08	0851
02	WG52683-LCS	WG52683-1	S1441	06/19/08	0932
03	WG52683-BLANK	WG52683-2	S1443	06/19/08	1045
04	AWD-TB061008	SB3059-14	S1444	06/19/08	1116
05	AWD-GWMW40220080609	SB3059-6RA	S1452	06/19/08	1525
06	AWD-GW-MW304061008	SB3059-7RA	S1453	06/19/08	1556
07	AWD-GW-MW305061008	SB3059-9	S1455	06/19/08	1658
08	AWD-GW-MW201061008	SB3059-10	S1456	06/19/08	1729
09	AWD-GW-DUP01	SB3059-11	S1457	06/19/08	1800
10	AWD-GWMW20220080610	SB3059-12	S1458	06/19/08	1832
11	AWD-GWMW1420080610	SB3059-13	S1459	06/19/08	1903
12					
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FORM V VOA

FORM 5
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 426 NLON SDG No.: CTO426-3

Lab File ID: SB845 BFB Injection Date: 06/20/08

Instrument ID: GCMS-S BFB Injection Time: 0728

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	22.9
75	30.0 - 60.0% of mass 95	44.8
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.8
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	Greater than 50.0% of mass 95	82.1
175	5.0 - 9.0% of mass 174	6.7 (8.2)1
176	95.0 - 101.0% of mass 174	78.6 (95.8)1
177	5.0 - 9.0% of mass 176	4.6 (5.9)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01		VSTD050S20A	S1465	06/20/08	0752
02	WG52722-LCS	WG52722-1	S1466	06/20/08	0836
03	WG52722-BLANK	WG52722-2	S1468	06/20/08	0949
04	AWD-GW-MW302-061108	SB3101-1	S1481	06/20/08	1643
05	AWD-GWMW30120080611	SB3101-3	S1482	06/20/08	1714
06	AWD-GWMW401-061108	SB3101-4	S1483	06/20/08	1745
07	AWD-GWMW303-061108	SB3101-5	S1484	06/20/08	1816
08	AWD-GW-DUP02	SB3101-6	S1485	06/20/08	1848
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FORM V VOA

FORM 8
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 426 NLON SDG No.: CTO426-3

Lab File ID (Standard): F0959 Date Analyzed: 06/18/08

Instrument ID: GCMS-F Time Analyzed: 1031

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) N

		IS1(PFB) AREA #	RT #	IS2(DFB) AREA #	RT #	IS3(CBZ) AREA #	RT #
12 HOUR STD		438882	8.53	678902	9.37	580047	12.87
UPPER LIMIT		877764	9.03	1357804	9.87	1160094	13.37
LOWER LIMIT		219441	8.03	339451	8.87	290024	12.37
CLIENT SAMPLE ID	LAB SAMPLE ID						
01 WG52642-LCS	WG52642-1	450633	8.54	711828	9.36	590487	12.87
02 WG52642-BLANK	WG52642-2	356856	8.53	590227	9.37	502903	12.86
03 AWD-GW-MW101061008	SB3059-8	324178	8.52	546850	9.36	464475	12.86
04							
05							
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19							
20							

IS1 (PFB) = Pentafluorobenzene
IS2 (DFB) = 1,4-Difluorobenzene
IS3 (CBZ) = Chlorobenzene-D5

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

FORM VIII VOA

FORM 8
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 426 NLON SDG No.: CTO426-3

Lab File ID (Standard): F0959 Date Analyzed: 06/18/08

Instrument ID: GCMS-F Time Analyzed: 1031

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) N

		IS4 (DCB) AREA #	RT #	AREA #	RT #	AREA #	RT #
12 HOUR STD		292252	15.99				
UPPER LIMIT		584504	16.49				
LOWER LIMIT		146126	15.49				
CLIENT SAMPLE ID	LAB SAMPLE ID						
01 WG52642-LCS	WG52642-1	290758	15.99				
02 WG52642-BLANK	WG52642-2	216466	15.99				
03 AWD-GW-MW101061008	SB3059-8	203458	15.98				
04							
05							
06							
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19							
20							

IS4 (DCB) = 1,4-Dichlorobenzene-D4

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

FORM VIII VOA

FORM 8
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 426 NLON SDG No.: CTO426-3

Lab File ID (Standard): S1415 Date Analyzed: 06/18/08

Instrument ID: GCMS-S Time Analyzed: 0916

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) N

		IS1(PFB) AREA #	RT #	IS2(DFB) AREA #	RT #	IS3(CBZ) AREA #	RT #
12 HOUR STD		310366	9.13	471386	9.85	391075	13.29
UPPER LIMIT		620732	9.63	942772	10.35	782150	13.79
LOWER LIMIT		155183	8.63	235693	9.35	195538	12.79
	CLIENT SAMPLE ID	LAB SAMPLE ID					
01	WG52635-LCS	WG52635-1	293226	9.13	452339	9.84	373408	13.29
02	WG52635-BLANK	WG52635-2	305864	9.13	426784	9.85	406183	13.29
03	AWD-GW-MW103-060908	SB3059-1	313979	9.13	472939	9.85	415225	13.29
04	AWD-GW-MW102-060908	SB3059-2	315007	9.13	487165	9.84	428176	13.28
05	GW-MW104-060908	SB3059-4	320080	9.13	476646	9.84	403317	13.29
06	AWD-GWMW40420080609	SB3059-3	310343	9.13	464959	9.85	395384	13.29
07	AWD-GWMW40320080609	SB3059-5	314513	9.13	473905	9.84	408125	13.28
08	GW-MW104-060908MS	WG52635-3	337430	9.13	502843	9.84	429369	13.30
09	GW-MW104-060908MSD	WG52635-4	314861	9.13	448812	9.84	410767	13.30
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								

IS1 (PFB) = Pentafluorobenzene
IS2 (DFB) = 1,4-Difluorobenzene
IS3 (CBZ) = Chlorobenzene-D5

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

FORM VIII VOA

FORM 8
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 426 NLON SDG No.: CTO426-3

Lab File ID (Standard): S1415 Date Analyzed: 06/18/08

Instrument ID: GCMS-S Time Analyzed: 0916

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) N

		IS4 (DCB) AREA #	RT #	AREA #	RT #	AREA #	RT #
12 HOUR STD		206672	16.43				
UPPER LIMIT		413344	16.93				
LOWER LIMIT		103336	15.93				
CLIENT SAMPLE ID	LAB SAMPLE ID						
01 WG52635-LCS	WG52635-1	208143	16.43				
02 WG52635-BLANK	WG52635-2	198356	16.43				
03 AWD-GW-MW103-060908	SB3059-1	212289	16.43				
04 AWD-GW-MW102-060908	SB3059-2	213264	16.44				
05 GW-MW104-060908	SB3059-4	205673	16.43				
06 AWD-GWMW40420080609	SB3059-3	217516	16.43				
07 AWD-GWMW40320080609	SB3059-5	212732	16.44				
08 GW-MW104-060908MS	WG52635-3	224843	16.44				
09 GW-MW104-060908MSD	WG52635-4	210341	16.44				
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							

IS4 (DCB) = 1,4-Dichlorobenzene-D4

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

FORM VIII VOA

FORM 8
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 426 NLON SDG No.: CTO426-3

Lab File ID (Standard): S1440 Date Analyzed: 06/19/08

Instrument ID: GCMS-S Time Analyzed: 0851

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) N

		IS1(PFB) AREA #	RT #	IS2(DFB) AREA #	RT #	IS3(CBZ) AREA #	RT #
12 HOUR STD		330238	9.13	498117	9.84	406163	13.29
UPPER LIMIT		660476	9.63	996234	10.34	812326	13.79
LOWER LIMIT		165119	8.63	249059	9.34	203082	12.79
CLIENT SAMPLE ID	LAB SAMPLE ID						
01 WG52683-LCS	WG52683-1	328911	9.13	478032	9.84	423810	13.28
02 WG52683-BLANK	WG52683-2	314933	9.13	483015	9.84	408760	13.29
03 AWD-TB061008	SB3059-14	314979	9.13	459746	9.84	407483	13.29
04 AWD-GWMW40220080609	SB3059-6RA	273101	9.12	426869	9.84	356591	13.29
05 AWD-GW-MW304061008	SB3059-7RA	289750	9.12	415484	9.84	380331	13.29
06 AWD-GW-MW305061008	SB3059-9	278695	9.13	420607	9.84	357721	13.29
07 AWD-GW-MW201061008	SB3059-10	270801	9.13	444052	9.84	379617	13.28
08 AWD-GW-DUP01	SB3059-11	289379	9.12	440685	9.84	389009	13.28
09 AWD-GWMW20220080610	SB3059-12	294735	9.13	442299	9.84	394265	13.29
10 AWD-GWMW1420080610	SB3059-13	300936	9.13	447097	9.84	411428	13.29
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							

IS1 (PFB) = Pentafluorobenzene
IS2 (DFB) = 1,4-Difluorobenzene
IS3 (CBZ) = Chlorobenzene-D5

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

FORM 8
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 426 NLON SDG No.: CTO426-3

Lab File ID (Standard): S1440 Date Analyzed: 06/19/08

Instrument ID: GCMS-S Time Analyzed: 0851

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) N

	IS4(DCB) AREA #	RT #	AREA #	RT #	AREA #	RT #
12 HOUR STD	223189	16.43				
UPPER LIMIT	446378	16.93				
LOWER LIMIT	111595	15.93				

	CLIENT SAMPLE ID	LAB SAMPLE ID						
01	WG52683-LCS	WG52683-1	225505	16.43				
02	WG52683-BLANK	WG52683-2	208823	16.43				
03	AWD-TB061008	SB3059-14	202051	16.43				
04	AWD-GWMW40220080609	SB3059-6RA	188494	16.43				
05	AWD-GW-MW304061008	SB3059-7RA	195669	16.43				
06	AWD-GW-MW305061008	SB3059-9	197524	16.43				
07	AWD-GW-MW201061008	SB3059-10	178471	16.42				
08	AWD-GW-DUP01	SB3059-11	200718	16.42				
09	AWD-GWMW20220080610	SB3059-12	203445	16.43				
10	AWD-GWMW1420080610	SB3059-13	206158	16.43				
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								

IS4 (DCB) = 1,4-Dichlorobenzene-D4

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

FORM VIII VOA

FORM 8
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 426 NLON SDG No.: CTO426-3

Lab File ID (Standard): S1465 Date Analyzed: 06/20/08

Instrument ID: GCMS-S Time Analyzed: 0752

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) N

		IS1(PFB) AREA #	RT #	IS2(DFB) AREA #	RT #	IS3(CBZ) AREA #	RT #
12 HOUR STD		334758	9.12	508159	9.84	432696	13.28
UPPER LIMIT		669516	9.62	1016318	10.34	865392	13.78
LOWER LIMIT		167379	8.62	254080	9.34	216348	12.78
CLIENT SAMPLE ID	LAB SAMPLE ID						
01 WG52722-LCS	WG52722-1	329377	9.12	466459	9.83	421180	13.29
02 WG52722-BLANK	WG52722-2	322069	9.12	495774	9.84	424651	13.28
03 AWD-GW-MW302-061108	SB3101-1	353046	9.12	550767	9.83	473876	13.29
04 AWD-GWMW30120080611	SB3101-3	354507	9.12	515598	9.84	461639	13.28
05 AWD-GWMW401-061108	SB3101-4	346582	9.13	525329	9.84	474441	13.28
06 AWD-GWMW303-061108	SB3101-5	360518	9.12	532669	9.84	455171	13.28
07 AWD-GW-DUP02	SB3101-6	350343	9.12	562973	9.84	466048	13.28
08							
09							
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16							
17							
18							
19							
20							

IS1 (PFB) = Pentafluorobenzene
IS2 (DFB) = 1,4-Difluorobenzene
IS3 (CBZ) = Chlorobenzene-D5

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

FORM VIII VOA

FORM 8
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 426 NLON SDG No.: CTO426-3

Lab File ID (Standard): S1465 Date Analyzed: 06/20/08

Instrument ID: GCMS-S Time Analyzed: 0752

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) N

		IS4 (DCB) AREA #	RT #	AREA #	RT #	AREA #	RT #
12 HOUR STD		230694	16.42				
UPPER LIMIT		461388	16.92				
LOWER LIMIT		115347	15.92				
	CLIENT SAMPLE ID	LAB SAMPLE ID					
01	WG52722-LCS	WG52722-1	224861	16.43			
02	WG52722-BLANK	WG52722-2	224654	16.42			
03	AWD-GW-MW302-061108	SB3101-1	248836	16.43			
04	AWD-GWMW30120080611	SB3101-3	239630	16.42			
05	AWD-GWMW401-061108	SB3101-4	243216	16.42			
06	AWD-GWMW303-061108	SB3101-5	234487	16.42			
07	AWD-GW-DUP02	SB3101-6	246200	16.42			
08							
09							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							

IS4 (DCB) = 1,4-Dichlorobenzene-D4

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

FORM VIII VOA

Sample Data Section

KATAHDIN ANALYTICAL SERVICES - ORGANIC DATA QUALIFIERS

U Indicates the compound was analyzed for but not detected above the laboratory Practical Quantitation Limit.

* Compound recovery outside of quality control limits.

D Indicates the result was obtained from analysis of a diluted sample. Surrogate recoveries may not be calculable.

E Estimated value. This flag identifies compounds whose concentrations exceed the upper level of the calibration range of the instrument for that specific analysis.

J Estimated value. The analyte was detected in the sample at a concentration less than the laboratory Practical Quantitation Limit (PQL), but above the Method Detection Limit (MDL).

or

J Used for Pesticide/Aroclor analyte when there is a greater than 40% difference for detected concentrations between the two GC columns.

B Indicates the analyte was detected in the laboratory method blank analyzed concurrently with the sample.

N Presumptive evidence of a compound based on a mass spectral library search.

A Indicates that a tentatively identified compound is a suspected aldol-condensation product.

P Used for Pesticide/Aroclor analyte when there is a greater than 25% difference for detected concentrations between the two GC columns. (for CLP methods only).

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
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 06/09/08
Received Date: 06/11/08
Extraction Date:
Analysis Date: 18-JUN-2008 13:16
Report Date: 06/26/2008
Matrix: WATER
% Solids: NA

Lab ID: SB3059-1
Client ID: AWD-GW-MW103-060908
SDG: CTO426-3
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG52635
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
1634-04-4	Methyl tert-butyl ether	U	1	1.0	1	1	0.5
71-43-2	Benzene	U	1	1.0	1	1	0.3
108-88-3	Toluene	U	1	1.0	1	1	0.4
100-41-4	Ethylbenzene	U	1	1.0	1	1	0.3
1330-20-7	Xylenes (total)	U	3	1.0	3	3	0.3
	m+p-Xylenes	U	2	1.0	2	2	0.7
95-47-6	o-Xylene	U	1	1.0	1	1	0.3
98-82-8	Isopropylbenzene	U	1	1.0	1	1	0.4
91-20-3	Naphthalene	U	1	1.0	1	1	0.4
1868-53-7	Dibromofluoromethane		100%				
17060-07-0	1,2-Dichloroethane-D4		98%				
2037-26-5	Toluene-D8		101%				
460-00-4	P-Bromofluorobenzene		109%				

Data File: \\Target_server\GG\chem\gcms-s.i\S061808.b\S1422.D
Report Date: 25-Jun-2008 15:41

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gcms-s.i\S061808.b\S1422.D
Lab Smp Id: SB3059-1 Client Smp ID: AWD-GW-MW103-060908
Inj Date : 18-JUN-2008 13:16 MS Autotune Date: 21-NOV-2007 15:1
Operator : SKT Inst ID: gcms-s.i
Smp Info : SB3059-1
Misc Info : SW846 8260B
Comment :
Method : \\Target_server\GG\chem\gcms-s.i\S061808.b\s826a58.m
Meth Date : 18-Jun-2008 12:04 gcms-s.i Quant Type: ISTD
Cal Date : 16-JUN-2008 13:32 Cal File: S1375.D
Als bottle: 8
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TETRAT426001.sub
Target Version: 4.12
Processing Host: MIS_2

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	sample purged
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	CONCENTRATIONS FINAL (ug/l)	REVIEW COD
$ 37 Dibromofluoromethane	113	8.255	8.249	(0.904)	163285	50.1171	50.1	
$ 45 1,2-Dichloroethane-D4	65	9.138	9.132	(1.001)	183725	49.1443	49.1	
$ 55 Toluene-D8	98	11.395	11.400	(1.157)	483085	50.7153	50.7	
$ 76 P-Bromofluorobenzene	95	14.884	14.878	(1.511)	225374	54.7213	54.7	
* 42 Pentafluorobenzene	168	9.127	9.132	(1.000)	313979	50.0000		
* 49 1,4-Difluorobenzene	114	9.848	9.842	(1.000)	472939	50.0000		
* 66 Chlorobenzene-D5	117	13.290	13.284	(1.000)	415225	50.0000		
* 91 1,4-Dichlorobenzene-D4	152	16.430	16.424	(1.000)	212289	50.0000		

Data File: \\Target_server\GG\chem\gcms-s.i\S061808.b\S1422.D
Report Date: 25-Jun-2008 15:41

Katahdin Analytical Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcms-s.i
Lab File ID: S1422.D
Lab Smp Id: SB3059-1
Analysis Type: VOA
Quant Type: ISTD
Operator: SKT

Calibration Date: 18-JUN-2008
Calibration Time: 09:16
Client Smp ID: AWD-GW-MW103-06
Level: LOW
Sample Type: WATER

Method File: \\Target_server\GG\chem\gcms-s.i\S061808.b\s826a58.m
Misc Info: SW846 8260B

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 4

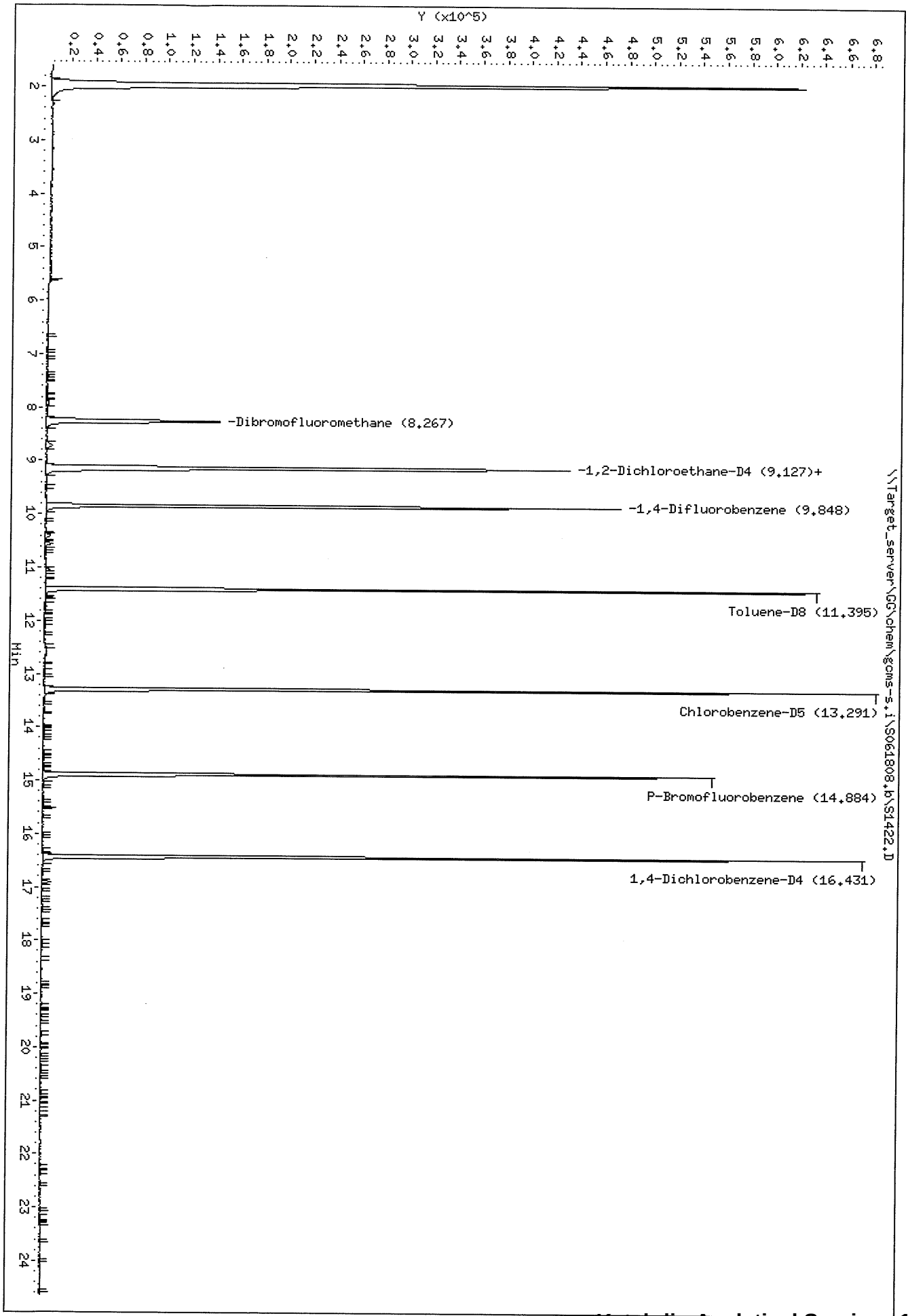
COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	310366	155183	620732	313979	1.16
49 1,4-Difluorobenze	471386	235693	942772	472939	0.33
66 Chlorobenzene-D5	391075	195538	782150	415225	6.18
91 1,4-Dichlorobenze	206672	103336	413344	212289	2.72

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	9.13	8.63	9.63	9.13	0.00
49 1,4-Difluorobenze	9.85	9.35	10.35	9.85	0.00
66 Chlorobenzene-D5	13.29	12.79	13.79	13.29	0.00
91 1,4-Dichlorobenze	16.43	15.93	16.93	16.43	0.00

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.

Data File: \\Target_server\GC\chem\gcms-s.i\S061808.b\S1422.D
Date : 18-JUN-2008 13:16
Client ID: AWD-GW-MW103-060908
Sample Info: SB3059-1

Instrument: gcms-s.i



KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 06/09/08
Received Date: 06/11/08
Extraction Date:
Analysis Date: 18-JUN-2008 13:47
Report Date: 06/26/2008
Matrix: WATER
% Solids: NA

Lab ID: SB3059-2
Client ID: AWD-GW-MW102-060908
SDG: CTO426-3
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG52635
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
1634-04-4	Methyl tert-butyl ether	U	1	1.0	1	1	0.5
71-43-2	Benzene	U	1	1.0	1	1	0.3
108-88-3	Toluene	U	1	1.0	1	1	0.4
100-41-4	Ethylbenzene	U	1	1.0	1	1	0.3
1330-20-7	Xylenes (total)	U	3	1.0	3	3	0.3
	m+p-Xylenes	U	2	1.0	2	2	0.7
95-47-6	o-Xylene	U	1	1.0	1	1	0.3
98-82-8	Isopropylbenzene	U	1	1.0	1	1	0.4
91-20-3	Naphthalene	U	1	1.0	1	1	0.4
1868-53-7	Dibromofluoromethane		98%				
17060-07-0	1,2-Dichloroethane-D4		99%				
2037-26-5	Toluene-D8		100%				
460-00-4	P-Bromofluorobenzene		104%				

Data File: \\Target_server\GG\chem\gcms-s.i\S061808.b\S1423.D
Report Date: 25-Jun-2008 15:41

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gcms-s.i\S061808.b\S1423.D
Lab Smp Id: SB3059-2 Client Smp ID: AWD-GW-MW102-060908
Inj Date : 18-JUN-2008 13:47 MS Autotune Date: 21-NOV-2007 15:1
Operator : SKT Inst ID: gcms-s.i
Smp Info : SB3059-2
Misc Info : SW846 8260B
Comment :
Method : \\Target_server\GG\chem\gcms-s.i\S061808.b\s826a58.m
Meth Date : 18-Jun-2008 12:04 gcms-s.i Quant Type: ISTD
Cal Date : 16-JUN-2008 13:32 Cal File: S1375.D
Als bottle: 9
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TETRAT426001.sub
Target Version: 4.12
Processing Host: MIS_2

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)	REVIEW CODE
$ 37 Dibromofluoromethane	113	8.260	8.249	(0.904)	160472	49.0930	49.1	
$ 45 1,2-Dichloroethane-D4	65	9.132	9.132	(1.000)	185869	49.5556	49.6	
$ 55 Toluene-D8	98	11.400	11.400	(1.158)	492491	50.1930	50.2	
$ 76 P-Bromofluorobenzene	95	14.889	14.878	(1.513)	220232	51.9113	51.9	
* 42 Pentafluorobenzene	168	9.132	9.132	(1.000)	315007	50.0000		
* 49 1,4-Difluorobenzene	114	9.842	9.842	(1.000)	487165	50.0000		
* 66 Chlorobenzene-D5	117	13.284	13.284	(1.000)	428176	50.0000		
* 91 1,4-Dichlorobenzene-D4	152	16.436	16.424	(1.000)	213264	50.0000		

Data File: \\Target_server\GG\chem\gcms-s.i\S061808.b\S1423.D
Report Date: 25-Jun-2008 15:41

Katahdin Analytical Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcms-s.i
Lab File ID: S1423.D
Lab Smp Id: SB3059-2
Analysis Type: VOA
Quant Type: ISTD
Operator: SKT
Method File: \\Target_server\GG\chem\gcms-s.i\S061808.b\s826a58.m
Misc Info: SW846 8260B

Calibration Date: 18-JUN-2008
Calibration Time: 09:16
Client Smp ID: AWD-GW-MW102-06
Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 4

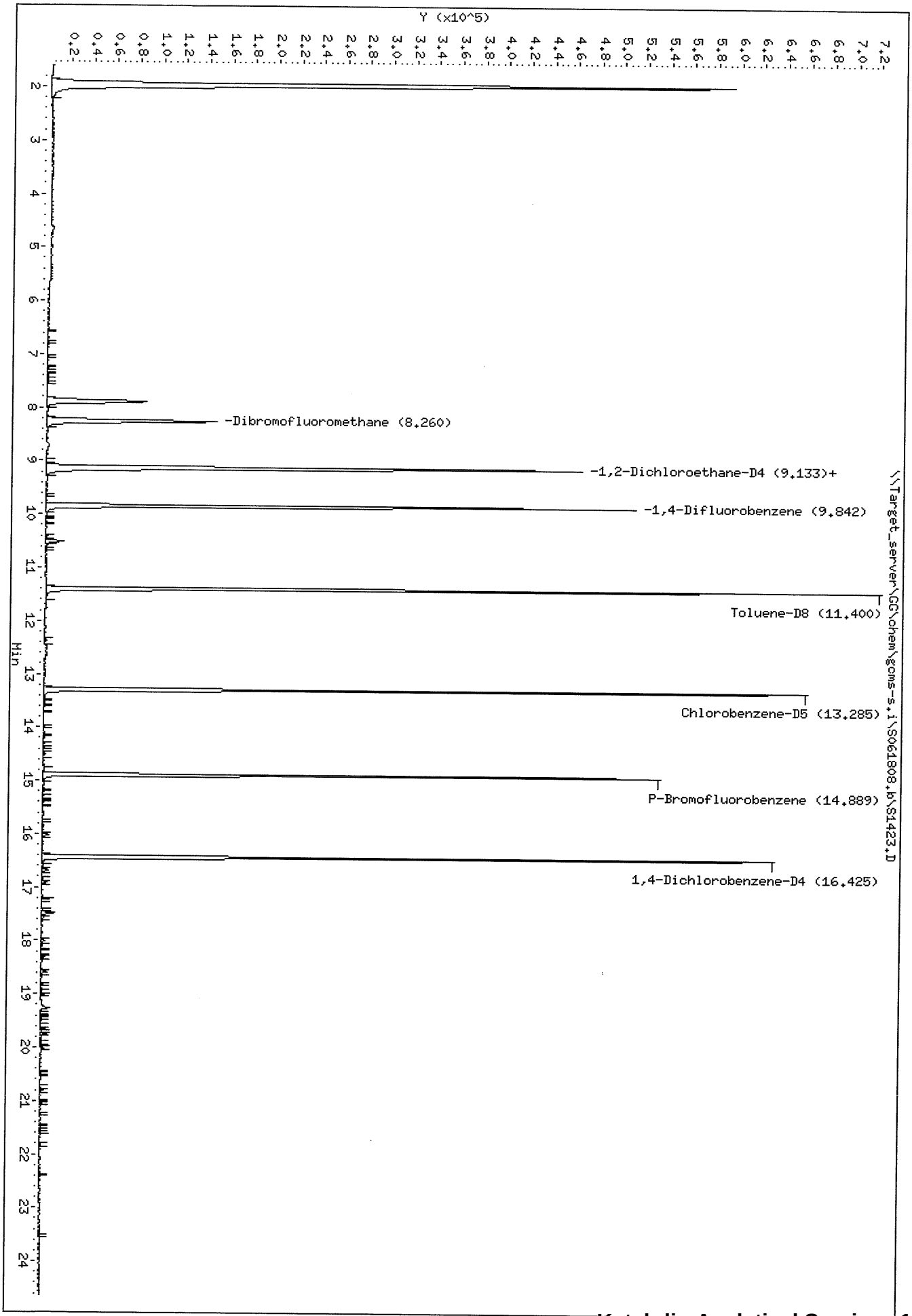
COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	310366	155183	620732	315007	1.50
49 1,4-Difluorobenze	471386	235693	942772	487165	3.35
66 Chlorobenzene-D5	391075	195538	782150	428176	9.49
91 1,4-Dichlorobenze	206672	103336	413344	213264	3.19

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	9.13	8.63	9.63	9.13	0.06
49 1,4-Difluorobenze	9.85	9.35	10.35	9.84	-0.06
66 Chlorobenzene-D5	13.29	12.79	13.79	13.28	-0.05
91 1,4-Dichlorobenze	16.43	15.93	16.93	16.44	0.03

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.

Data File: \\Target_server\GC\chem\gcms-s.i\S061808.b\S1423.D
Date : 18-JUN-2008 13:47
Client ID: AWD-GW-MW102-060908
Sample Info: SB3059-2

Instrument: gcms-s.i



KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 06/09/08
Received Date: 06/11/08
Extraction Date:
Analysis Date: 18-JUN-2008 15:52
Report Date: 06/26/2008
Matrix: WATER
% Solids: NA

Lab ID: SB3059-3
Client ID: AWD-GWMW40420080609
SDG: CTO426-3
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG52635
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
1634-04-4	Methyl tert-butyl ether	U	1	1.0	1	1	0.5
71-43-2	Benzene	U	1	1.0	1	1	0.3
108-88-3	Toluene	U	1	1.0	1	1	0.4
100-41-4	Ethylbenzene		3	1.0	1	1	0.3
1330-20-7	Xylenes (total)	U	3	1.0	3	3	0.3
	m+p-Xylenes	U	2	1.0	2	2	0.7
95-47-6	o-Xylene	U	1	1.0	1	1	0.3
98-82-8	Isopropylbenzene		4	1.0	1	1	0.4
91-20-3	Naphthalene	J	0.5	1.0	1	1	0.4
1868-53-7	Dibromofluoromethane		101%				
17060-07-0	1,2-Dichloroethane-D4		101%				
2037-26-5	Toluene-D8		103%				
460-00-4	P-Bromofluorobenzene		112%				

Data File: \\Target_server\GG\chem\gcms-s.i\S061808.b\S1427.D
Report Date: 25-Jun-2008 15:41

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gcms-s.i\S061808.b\S1427.D
Lab Smp Id: SB3059-3 Client Smp ID: AWD-GWMW40420080609
Inj Date : 18-JUN-2008 15:52 MS Autotune Date: 21-NOV-2007 15:16
Operator : SKT Inst ID: gcms-s.i
Smp Info : SB3059-3
Misc Info : SW846 8260B
Comment :
Method : \\Target_server\GG\chem\gcms-s.i\S061808.b\s826a58.m
Meth Date : 18-Jun-2008 12:04 gcms-s.i Quant Type: ISTD
Cal Date : 16-JUN-2008 13:32 Cal File: S1375.D
Als bottle: 13
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TETRAT426001.sub
Target Version: 4.12
Processing Host: MIS_2

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)	REVIEW CODE
68 Ethylbenzene	106	13.349	13.354	(1.004)	13063	3.41785	3.4	
75 Isopropylbenzene	105	14.512	14.505	(0.883)	42383	3.90073	3.9	
101 Naphthalene	128	19.745	19.750	(1.202)	4758	0.53331	0.53(aH)	
$ 37 Dibromofluoromethane	113	8.255	8.249	(0.904)	163360	50.7276	50.7	
$ 45 1,2-Dichloroethane-D4	65	9.139	9.132	(1.001)	186717	50.5298	50.5	
$ 55 Toluene-D8	98	11.395	11.400	(1.157)	483601	51.6408	51.6	
$ 76 P-Bromofluorobenzene	95	14.884	14.878	(1.511)	227346	56.1475	56.1	
* 42 Pentafluorobenzene	168	9.127	9.132	(1.000)	310343	50.0000		
* 49 1,4-Difluorobenzene	114	9.848	9.842	(1.000)	464959	50.0000		
* 66 Chlorobenzene-D5	117	13.291	13.284	(1.000)	395384	50.0000		
* 91 1,4-Dichlorobenzene-D4	152	16.431	16.424	(1.000)	217516	50.0000		

QC Flag Legend

a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).
H - Operator selected an alternate compound hit.

Data File: \\Target_server\GG\chem\gcms-s.i\S061808.b\S1427.D
Report Date: 25-Jun-2008 15:41

Katahdin Analytical Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcms-s.i
Lab File ID: S1427.D
Lab Smp Id: SB3059-3
Analysis Type: VOA
Quant Type: ISTD
Operator: SKT
Method File: \\Target_server\GG\chem\gcms-s.i\S061808.b\s826a58.m
Misc Info: SW846 8260B

Calibration Date: 18-JUN-2008
Calibration Time: 09:16
Client Smp ID: AWD-GWMW4042008
Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 4

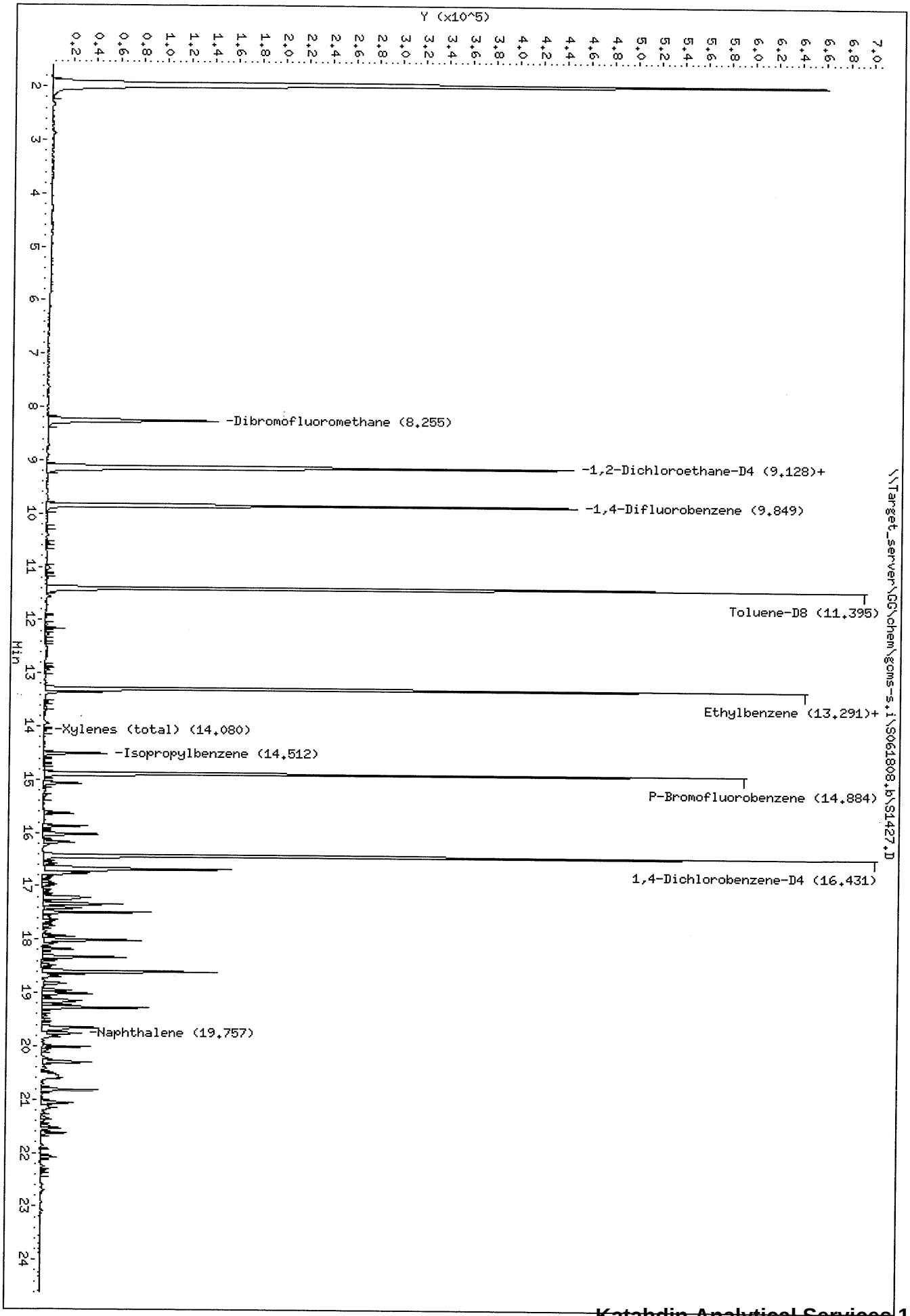
COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	310366	155183	620732	310343	-0.01
49 1,4-Difluorobenze	471386	235693	942772	464959	-1.36
66 Chlorobenzene-D5	391075	195538	782150	395384	1.10
91 1,4-Dichlorobenze	206672	103336	413344	217516	5.25

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	9.13	8.63	9.63	9.13	0.01
49 1,4-Difluorobenze	9.85	9.35	10.35	9.85	0.01
66 Chlorobenzene-D5	13.29	12.79	13.79	13.29	0.00
91 1,4-Dichlorobenze	16.43	15.93	16.93	16.43	0.00

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.

Data File: \\Target_server\GC\chem\gcms-s.i\S061808.b\S1427.D
Date : 18-JUN-2008 15:52
Client ID: AWD-GWW40420080609
Sample Info: SB3059-3

Instrument: gcms-s.i



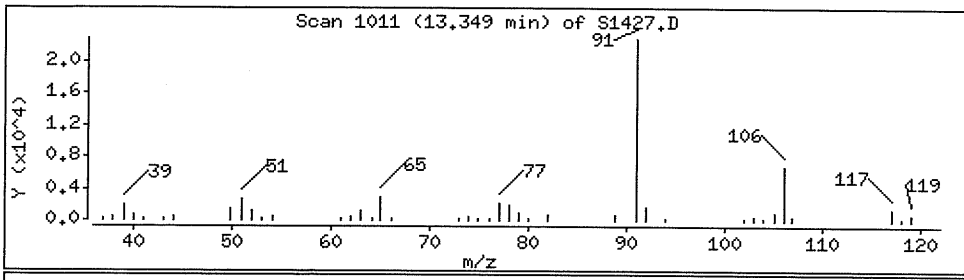
Data File: \\Target_server\GC\chem\gcms-s.i\S061808.b\S1427.D

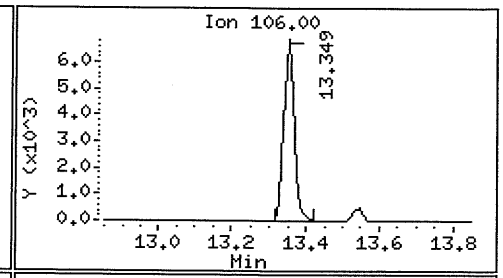
Date : 18-JUN-2008 15:52

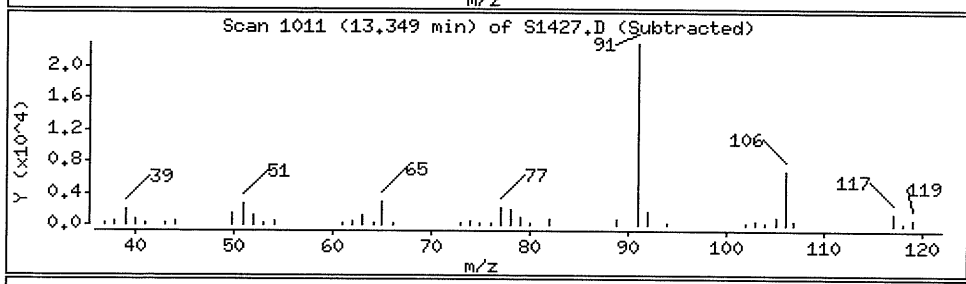
Client ID: AWD-GWMW40420080609 Instrument: gcms-s.i

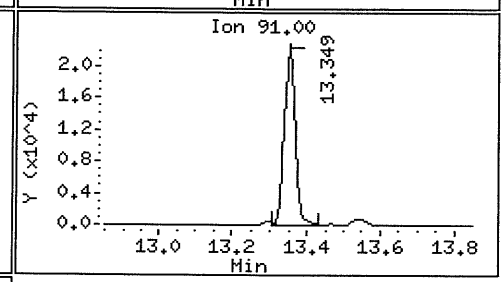
Sample Info: SB3059-3

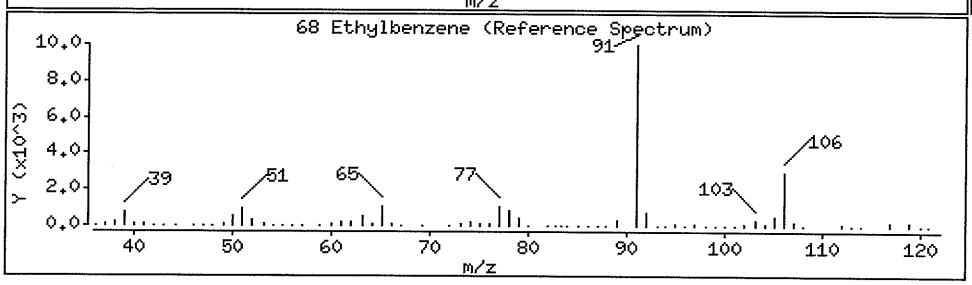
68 Ethylbenzene Concentration: 3.4 ug/l



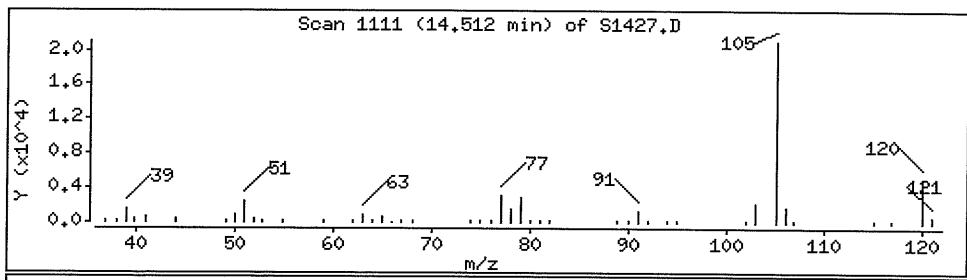


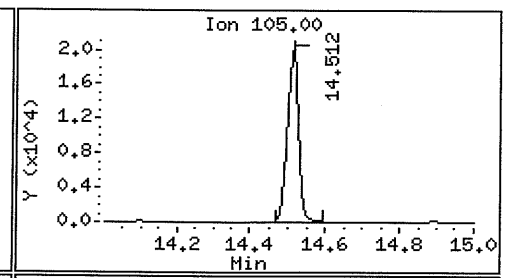


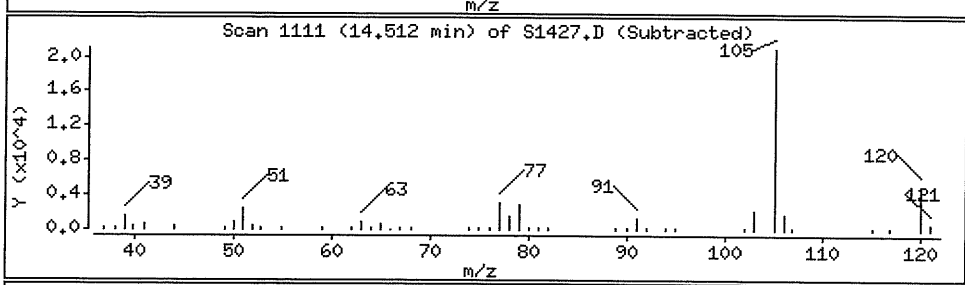


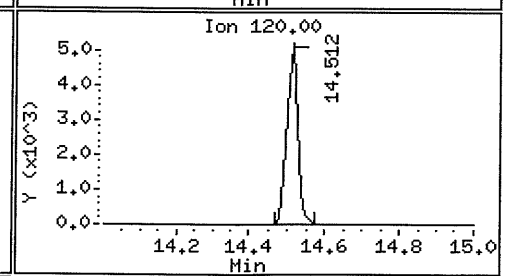


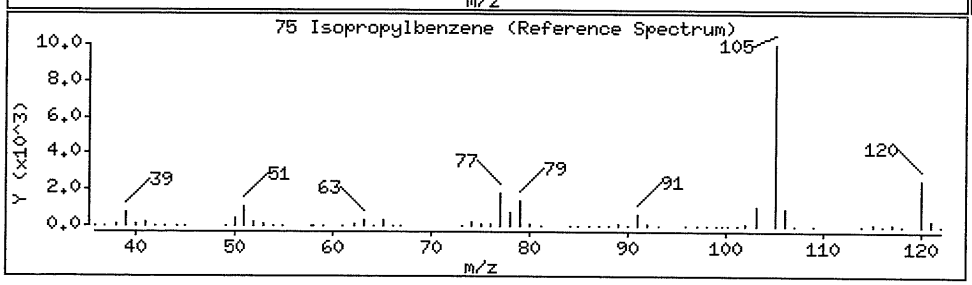
75 Isopropylbenzene Concentration: 3.9 ug/l











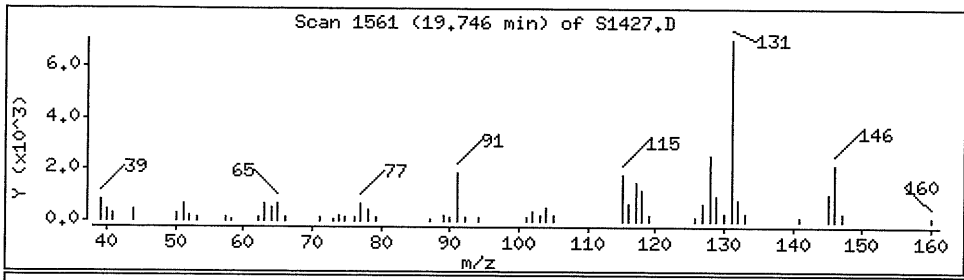
Data File: \\Target_server\GC\chem\gcms-s.i\S061808.b\S1427.D

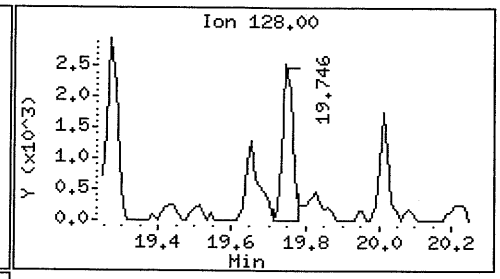
Date : 18-JUN-2008 15:52

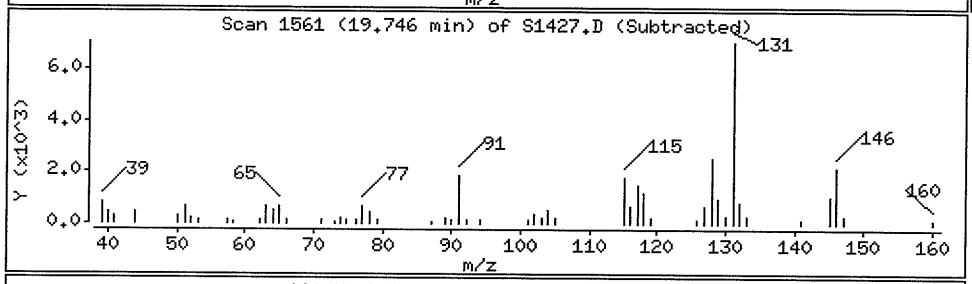
Client ID: AWD-GWMW40420080609 Instrument: gcms-s.i

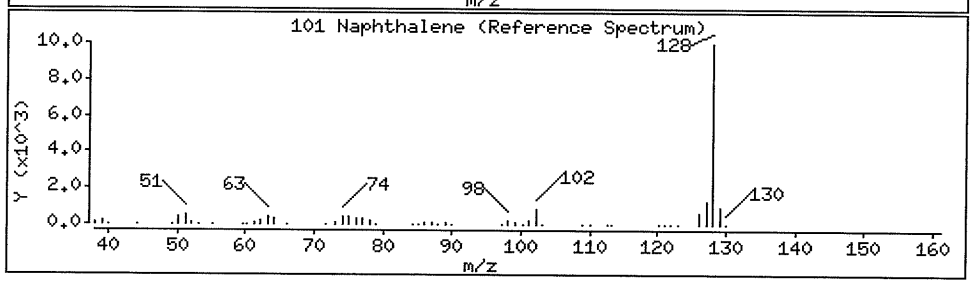
Sample Info: SB3059-3

101 Naphthalene Concentration: 0.53 ug/l









KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 06/09/08
Received Date: 06/11/08
Extraction Date:
Analysis Date: 18-JUN-2008 14:19
Report Date: 06/26/2008
Matrix: WATER
% Solids: NA

Lab ID: SB3059-4
Client ID: GW-MW104-060908
SDG: CTO426-3
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG52635
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
1634-04-4	Methyl tert-butyl ether	U	1	1.0	1	1	0.5
71-43-2	Benzene	U	1	1.0	1	1	0.3
108-88-3	Toluene	U	1	1.0	1	1	0.4
100-41-4	Ethylbenzene	U	1	1.0	1	1	0.3
1330-20-7	Xylenes (total)	U	3	1.0	3	3	0.3
	m+p-Xylenes	U	2	1.0	2	2	0.7
95-47-6	o-Xylene	U	1	1.0	1	1	0.3
98-82-8	Isopropylbenzene	U	1	1.0	1	1	0.4
91-20-3	Naphthalene	U	1	1.0	1	1	0.4
1868-53-7	Dibromofluoromethane		98%				
17060-07-0	1,2-Dichloroethane-D4		98%				
2037-26-5	Toluene-D8		102%				
460-00-4	P-Bromofluorobenzene		105%				

Data File: \\Target_server\GG\chem\gcms-s.i\S061808.b\S1424.D
Report Date: 25-Jun-2008 15:41

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gcms-s.i\S061808.b\S1424.D
Lab Smp Id: SB3059-4 Client Smp ID: GW-MW104-060908
Inj Date : 18-JUN-2008 14:19 MS Autotune Date: 21-NOV-2007 15:16
Operator : SKT Inst ID: gcms-s.i
Smp Info : SB3059-4
Misc Info : SW846 8260B
Comment :
Method : \\Target_server\GG\chem\gcms-s.i\S061808.b\s826a58.m
Meth Date : 18-Jun-2008 12:04 gcms-s.i Quant Type: ISTD
Cal Date : 16-JUN-2008 13:32 Cal File: S1375.D
Als bottle: 10
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TETRAT426001.sub
Target Version: 4.12
Processing Host: MIS_2

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)	REVIEW CODE
$ 37 Dibromofluoromethane	113	8.257	8.249	(0.904)	163299	49.1660	49.2	
$ 45 1,2-Dichloroethane-D4	65	9.141	9.132	(1.001)	187025	49.0735	49.1	
$ 55 Toluene-D8	98	11.397	11.400	(1.158)	491622	51.2101	51.2	
$ 76 P-Bromofluorobenzene	95	14.886	14.878	(1.513)	217387	52.3715	52.4	
* 42 Pentafluorobenzene	168	9.129	9.132	(1.000)	320080	50.0000		
* 49 1,4-Difluorobenzene	114	9.839	9.842	(1.000)	476646	50.0000		
* 66 Chlorobenzene-D5	117	13.293	13.284	(1.000)	403317	50.0000		
* 91 1,4-Dichlorobenzene-D4	152	16.433	16.424	(1.000)	205673	50.0000		

Data File: \\Target_server\GG\chem\gcms-s.i\S061808.b\S1424.D
Report Date: 25-Jun-2008 15:41

Katahdin Analytical Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcms-s.i
Lab File ID: S1424.D
Lab Smp Id: SB3059-4
Analysis Type: VOA
Quant Type: ISTD
Operator: SKT
Method File: \\Target_server\GG\chem\gcms-s.i\S061808.b\s826a58.m
Misc Info: SW846 8260B

Calibration Date: 18-JUN-2008
Calibration Time: 09:16
Client Smp ID: GW-MW104-060908
Level: LOW
Sample Type: WATER

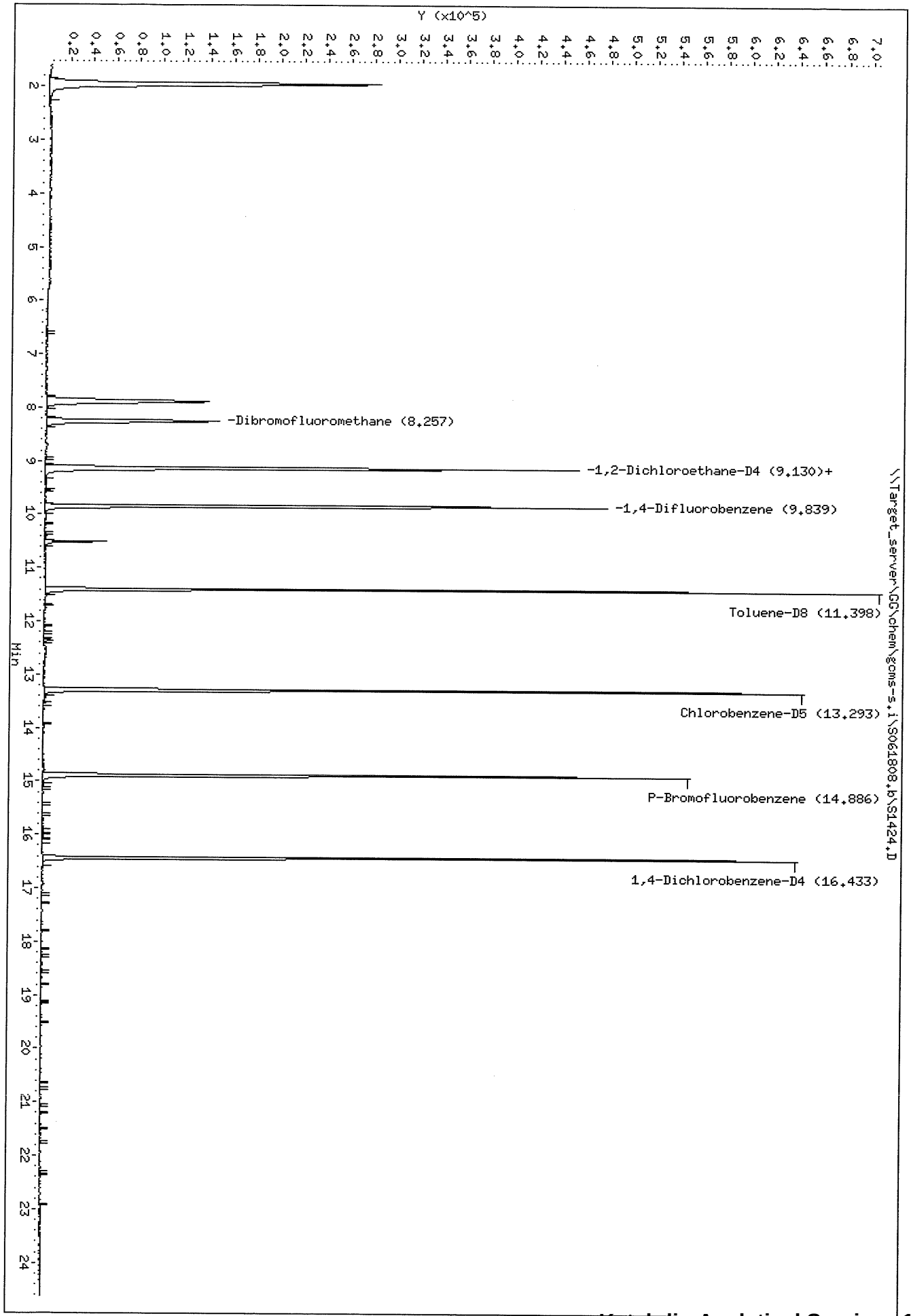
Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 4

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	310366	155183	620732	320080	3.13
49 1,4-Difluorobenze	471386	235693	942772	476646	1.12
66 Chlorobenzene-D5	391075	195538	782150	403317	3.13
91 1,4-Dichlorobenze	206672	103336	413344	205673	-0.48

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	9.13	8.63	9.63	9.13	0.03
49 1,4-Difluorobenze	9.85	9.35	10.35	9.84	-0.09
66 Chlorobenzene-D5	13.29	12.79	13.79	13.29	0.02
91 1,4-Dichlorobenze	16.43	15.93	16.93	16.43	0.02

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.

Data File: \\Target_server\GC\chem\gcms-s.i\S061808.b\S1424.D
Date : 18-JUN-2008 14:19
Client ID: GW-MW104-060908
Sample Info: SB3059-4



\\Target_server\GC\chem\gcms-s.i\S061808.b\S1424.D

Instrument: gcms-s.i

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 06/09/08
Received Date: 06/11/08
Extraction Date:
Analysis Date: 18-JUN-2008 16:23
Report Date: 06/26/2008
Matrix: WATER
% Solids: NA

Lab ID: SB3059-5
Client ID: AWD-GWMW40320080609
SDG: CTO426-3
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG52635
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
1634-04-4	Methyl tert-butyl ether	U	1	1.0	1	1	0.5
71-43-2	Benzene	U	1	1.0	1	1	0.3
108-88-3	Toluene	U	1	1.0	1	1	0.4
100-41-4	Ethylbenzene	J	0.5	1.0	1	1	0.3
1330-20-7	Xylenes (total)	U	3	1.0	3	3	0.3
	m+p-Xylenes	U	2	1.0	2	2	0.7
95-47-6	o-Xylene	U	1	1.0	1	1	0.3
98-82-8	Isopropylbenzene	U	1	1.0	1	1	0.4
91-20-3	Naphthalene		1	1.0	1	1	0.4
1868-53-7	Dibromofluoromethane		101%				
17060-07-0	1,2-Dichloroethane-D4		99%				
2037-26-5	Toluene-D8		101%				
460-00-4	P-Bromofluorobenzene		108%				

Data File: \\Target_server\GG\chem\gcms-s.i\S061808.b\S1428.D
Report Date: 25-Jun-2008 15:41

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gcms-s.i\S061808.b\S1428.D
Lab Smp Id: SB3059-5 Client Smp ID: AWD-GWMW40320080609
Inj Date : 18-JUN-2008 16:23 MS Autotune Date: 21-NOV-2007 15:16
Operator : SKT Inst ID: gcms-s.i
Smp Info : SB3059-5
Misc Info : SW846 8260B
Comment :
Method : \\Target_server\GG\chem\gcms-s.i\S061808.b\s826a58.m
Meth Date : 18-Jun-2008 12:04 gcms-s.i Quant Type: ISTD
Cal Date : 16-JUN-2008 13:32 Cal File: S1375.D
Als bottle: 14
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TETRAT426001.sub
Target Version: 4.12
Processing Host: MIS_2

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)	REVIEW CODE
68 Ethylbenzene	106	13.353	13.354	(1.005)	2079	0.52698	0.53(a)	
101 Naphthalene	128	19.750	19.750	(1.202)	10710	1.22746	1.2	
$ 37 Dibromofluoromethane	113	8.260	8.249	(0.904)	164629	50.4438	50.4	
$ 45 1,2-Dichloroethane-D4	65	9.132	9.132	(1.000)	185330	49.4895	49.5	
$ 55 Toluene-D8	98	11.400	11.400	(1.158)	483345	50.6392	50.6	
$ 76 P-Bromofluorobenzene	95	14.889	14.878	(1.513)	223108	54.0607	54.1	
* 42 Pentafluorobenzene	168	9.132	9.132	(1.000)	314513	50.0000		
* 49 1,4-Difluorobenzene	114	9.841	9.842	(1.000)	473905	50.0000		
* 66 Chlorobenzene-D5	117	13.284	13.284	(1.000)	408125	50.0000		
* 91 1,4-Dichlorobenzene-D4	152	16.435	16.424	(1.000)	212732	50.0000		

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: \\Target_server\GG\chem\gcms-s.i\S061808.b\S1428.D
Report Date: 25-Jun-2008 15:41

Katahdin Analytical Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcms-s.i
Lab File ID: S1428.D
Lab Smp Id: SB3059-5
Analysis Type: VOA
Quant Type: ISTD
Operator: SKT
Method File: \\Target_server\GG\chem\gcms-s.i\S061808.b\s826a58.m
Misc Info: SW846 8260B

Calibration Date: 18-JUN-2008
Calibration Time: 09:16
Client Smp ID: AWD-GWMW4032008
Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 4

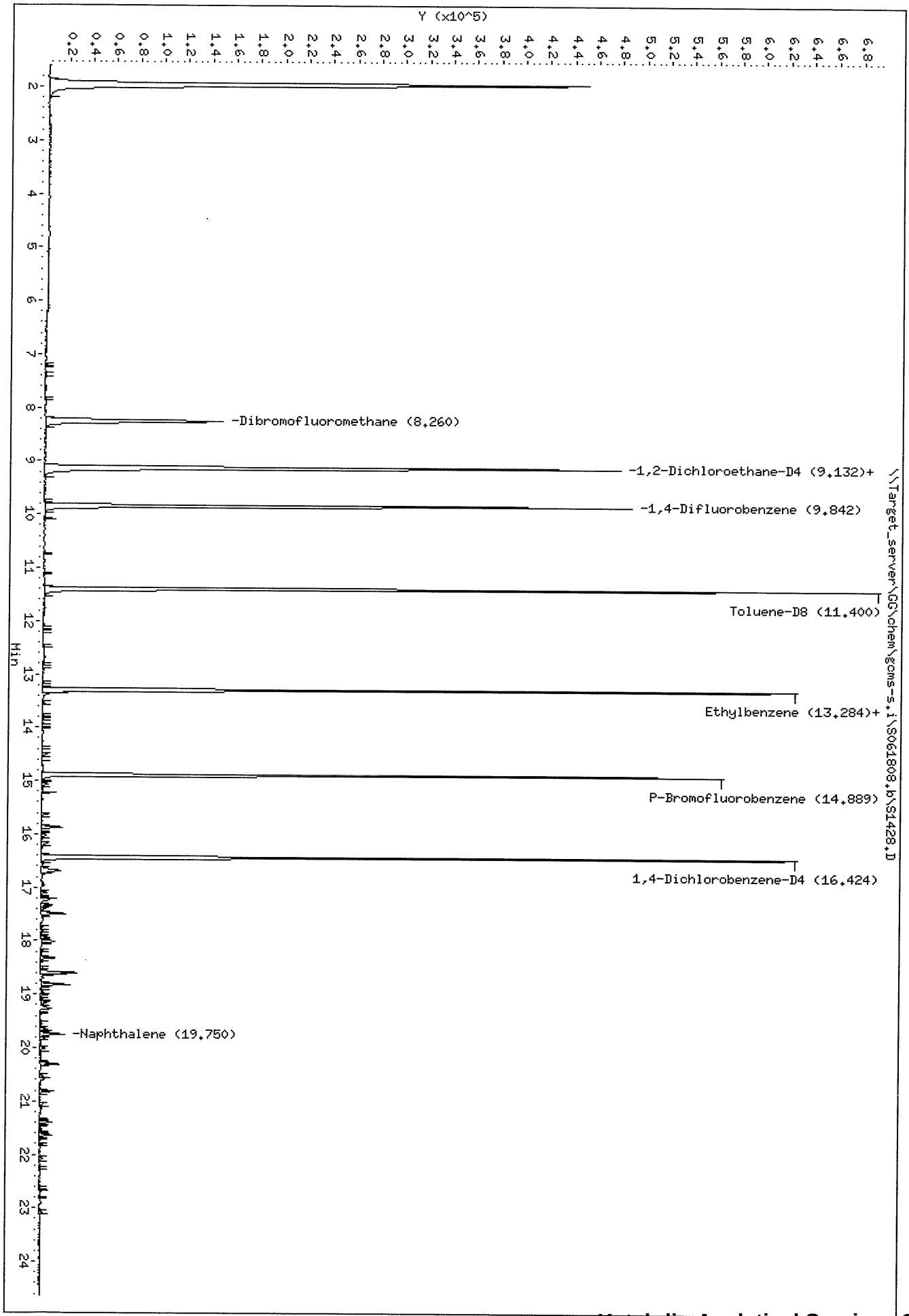
COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	310366	155183	620732	314513	1.34
49 1,4-Difluorobenze	471386	235693	942772	473905	0.53
66 Chlorobenzene-D5	391075	195538	782150	408125	4.36
91 1,4-Dichlorobenze	206672	103336	413344	212732	2.93

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	9.13	8.63	9.63	9.13	0.06
49 1,4-Difluorobenze	9.85	9.35	10.35	9.84	-0.06
66 Chlorobenzene-D5	13.29	12.79	13.79	13.28	-0.05
91 1,4-Dichlorobenze	16.43	15.93	16.93	16.44	0.03

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.

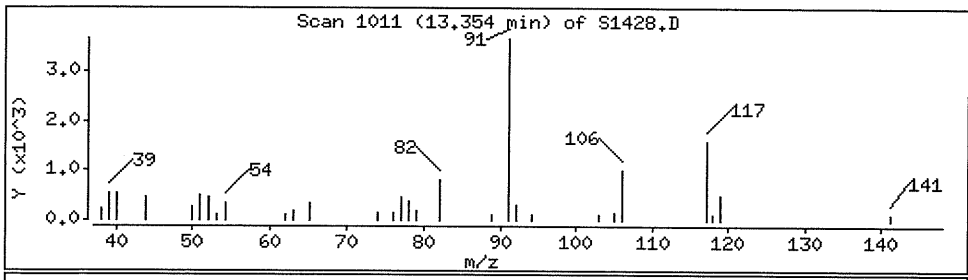
Data File: \\Target_server\GC\chem\gcms-s.i\S061808.b\S1428.D
Date : 18-JUN-2008 16:23
Client ID: AWD-GWMW40320080609
Sample Info: SB3059-5

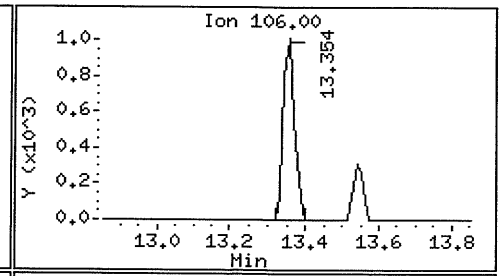
Instrument: gcms-s.i

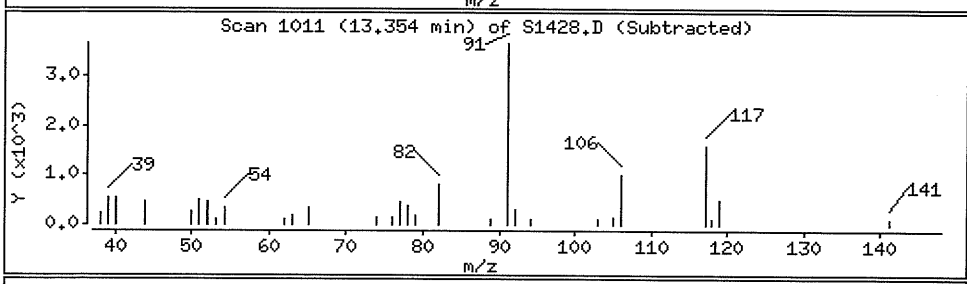


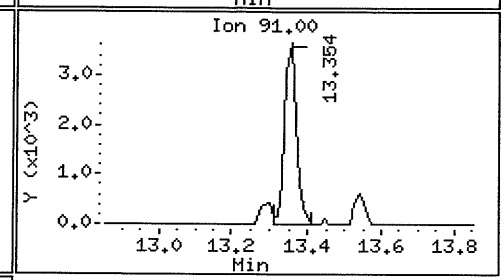
Data File: \\Target_server\GC\chem\gcms-s.i\S061808.b\S1428.D
Date : 18-JUN-2008 16:23
Client ID: AWD-GWMW40320080609 Instrument: gcms-s.i
Sample Info: SB3059-5

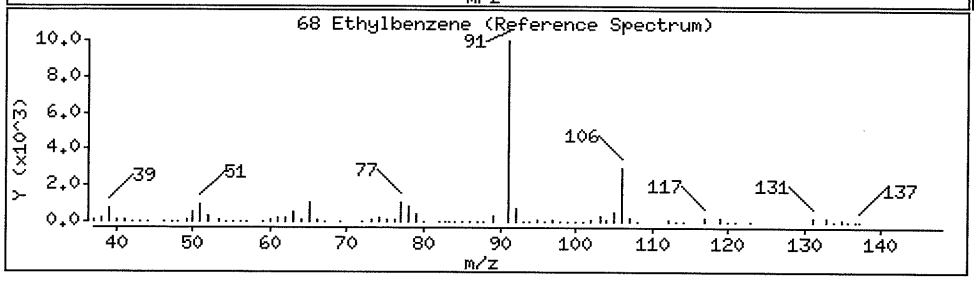
68 Ethylbenzene Concentration: 0.53 ug/l



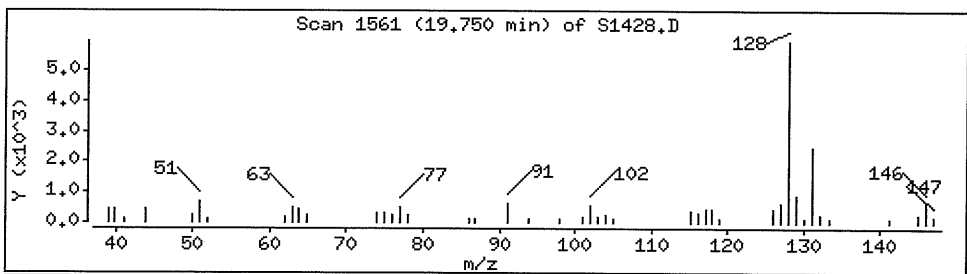


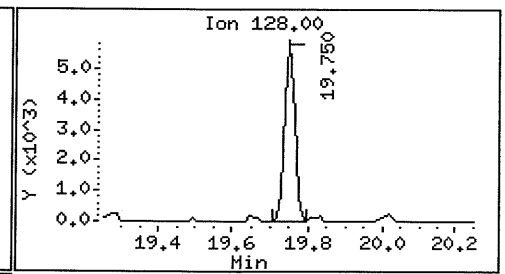


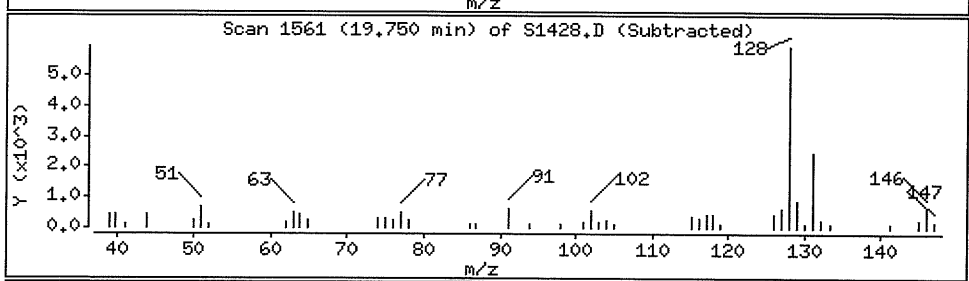


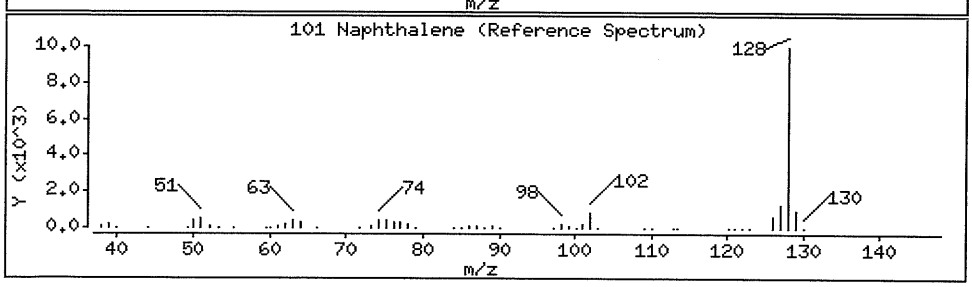


101 Naphthalene Concentration: 1.2 ug/l









KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 06/09/08
Received Date: 06/11/08
Extraction Date:
Analysis Date: 19-JUN-2008 15:25
Report Date: 06/26/2008
Matrix: WATER
% Solids: NA

Lab ID: SB3059-6RA
Client ID: AWD-GWMW40220080609
SDG: CTO426-3
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG52683
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
1634-04-4	Methyl tert-butyl ether	U	1	1.0	1	1	0.5
71-43-2	Benzene	U	1	1.0	1	1	0.3
108-88-3	Toluene	U	1	1.0	1	1	0.4
100-41-4	Ethylbenzene		1	1.0	1	1	0.3
1330-20-7	Xylenes (total)	J	1	1.0	3	3	0.3
	m+p-Xylenes	J	1.0	1.0	2	2	0.7
95-47-6	o-Xylene	J	0.3	1.0	1	1	0.3
98-82-8	Isopropylbenzene		2	1.0	1	1	0.4
91-20-3	Naphthalene		10	1.0	1	1	0.4
1868-53-7	Dibromofluoromethane		102%				
17060-07-0	1,2-Dichloroethane-D4		101%				
2037-26-5	Toluene-D8		99%				
460-00-4	P-Bromofluorobenzene		109%				

Data File: \\Target_server\GG\chem\gcms-s.i\S061908.b\S1452.D
Report Date: 25-Jun-2008 15:50

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gcms-s.i\S061908.b\S1452.D
Lab Smp Id: SB3059-6RA Client Smp ID: AWD-GWMW40220080609
Inj Date : 19-JUN-2008 15:25 MS Autotune Date: 21-NOV-2007 15:16
Operator : SKT Inst ID: gcms-s.i
Smp Info : SB3059-6RA
Misc Info : SW846 8260B
Comment :
Method : \\Target_server\GG\chem\gcms-s.i\S061908.b\s826a58.m
Meth Date : 19-Jun-2008 09:58 gcms-s.i Quant Type: ISTD
Cal Date : 16-JUN-2008 13:32 Cal File: S1375.D
Als bottle: 13
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TETRAT426001.sub
Target Version: 4.12
Processing Host: MIS_2

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)	REVIEW CODE
68 Ethylbenzene	106	13.343	13.354	(1.004)	3610	1.04729	1.0	
M 70 Xylenes (total)	106				5562	1.29572	1.3(a)	
71 m+p-Xylenes	106	13.540	13.540	(1.019)	4064	0.95310	0.95(a)	
72 o-Xylene	106	14.099	14.087	(1.061)	1498	0.34262	0.34(a)	
75 Isopropylbenzene	105	14.506	14.505	(0.883)	17254	1.83247	1.8	
101 Naphthalene	128	19.739	19.750	(1.202)	74942	9.69344	9.7	
$ 37 Dibromofluoromethane	113	8.249	8.249	(0.904)	144583	51.0193	51.0	
$ 45 1,2-Dichloroethane-D4	65	9.133	9.132	(1.001)	164884	50.7062	50.7	
$ 55 Toluene-D8	98	11.401	11.400	(1.158)	424941	49.4259	49.4	
$ 76 P-Bromofluorobenzene	95	14.878	14.878	(1.512)	202308	54.4222	54.4	
* 42 Pentafluorobenzene	168	9.121	9.132	(1.000)	273101	50.0000		
* 49 1,4-Difluorobenzene	114	9.842	9.842	(1.000)	426869	50.0000		
* 66 Chlorobenzene-D5	117	13.285	13.284	(1.000)	356591	50.0000		
* 91 1,4-Dichlorobenzene-D4	152	16.425	16.424	(1.000)	188494	50.0000		

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: \\Target_server\GG\chem\gcms-s.i\S061908.b\S1452.D
Report Date: 25-Jun-2008 15:50

Katahdin Analytical Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcms-s.i
Lab File ID: S1452.D
Lab Smp Id: SB3059-6RA
Analysis Type: VOA
Quant Type: ISTD
Operator: SKT

Calibration Date: 19-JUN-2008
Calibration Time: 08:51
Client Smp ID: AWD-GWMW4022008
Level: LOW
Sample Type: WATER

Method File: \\Target_server\GG\chem\gcms-s.i\S061908.b\s826a58.m
Misc Info: SW846 8260B

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 4

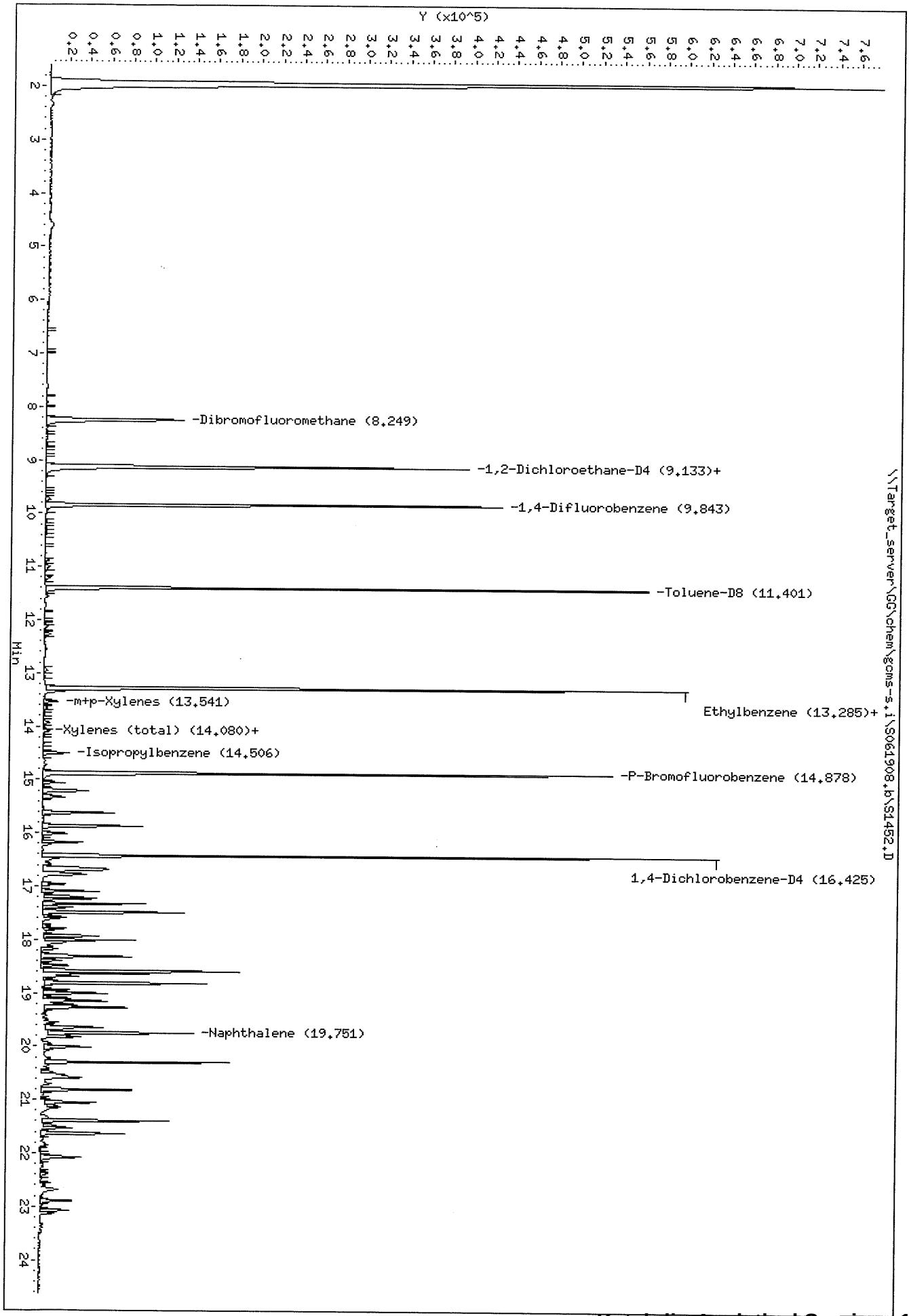
COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	330238	165119	660476	273101	-17.30
49 1,4-Difluorobenze	498117	249059	996234	426869	-14.30
66 Chlorobenzene-D5	406163	203082	812326	356591	-12.20
91 1,4-Dichlorobenze	223189	111595	446378	188494	-15.55

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	9.13	8.63	9.63	9.12	-0.06
49 1,4-Difluorobenze	9.84	9.34	10.34	9.84	0.06
66 Chlorobenzene-D5	13.29	12.79	13.79	13.29	-0.04
91 1,4-Dichlorobenze	16.43	15.93	16.93	16.43	-0.03

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.

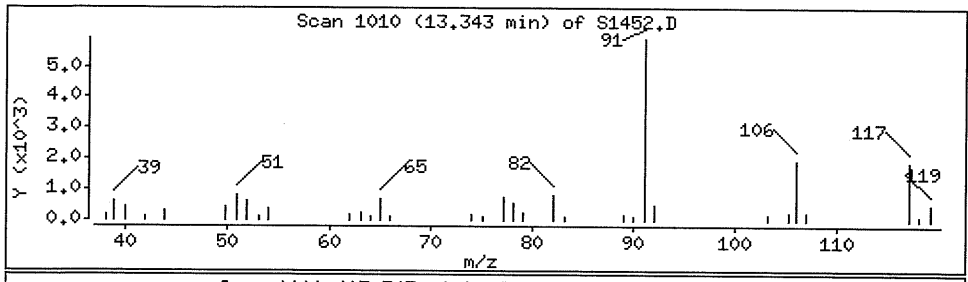
Data File: \\Target_server\GC\chem\gcms-s.i\S061908.b\S1452.D
Date : 19-JUN-2008 15:25
Client ID: AWD-GWMW40220080609
Sample Info: SB3059-6RA

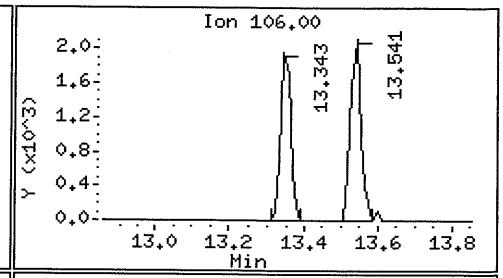
Instrument: gcms-s.i

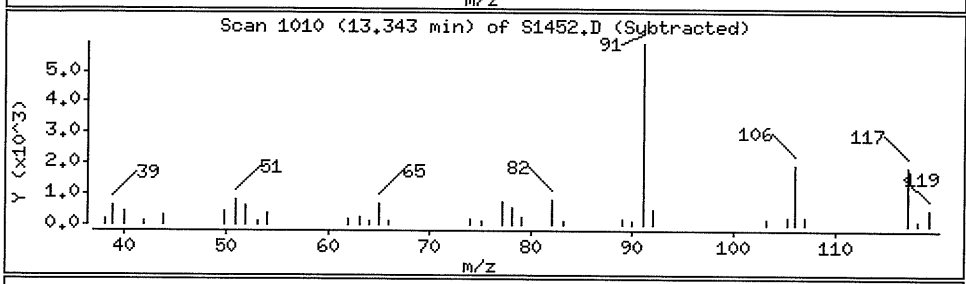


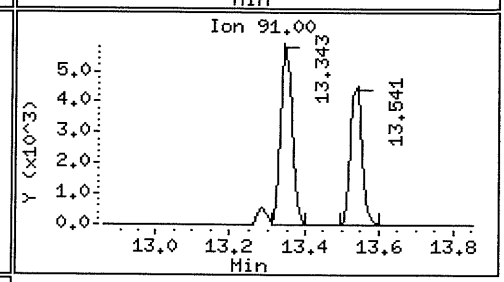
Data File: \\Target_server\GC\chem\gcms-s.i\S061908.b\S1452.D
Date : 19-JUN-2008 15:25
Client ID: AWD-GWMW40220080609 Instrument: gcms-s.i
Sample Info: SB3059-6RA

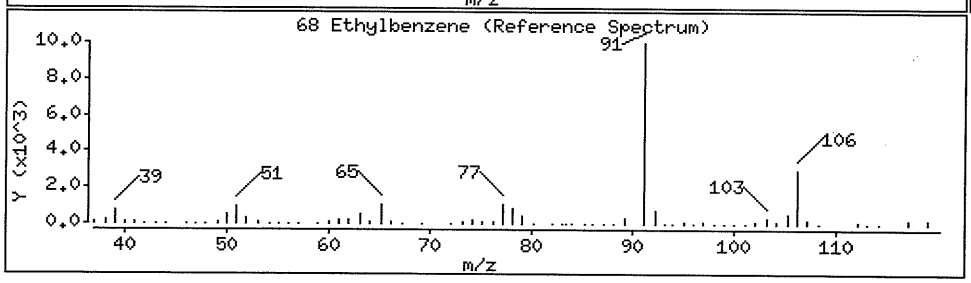
68 Ethylbenzene Concentration: 1.0 ug/l



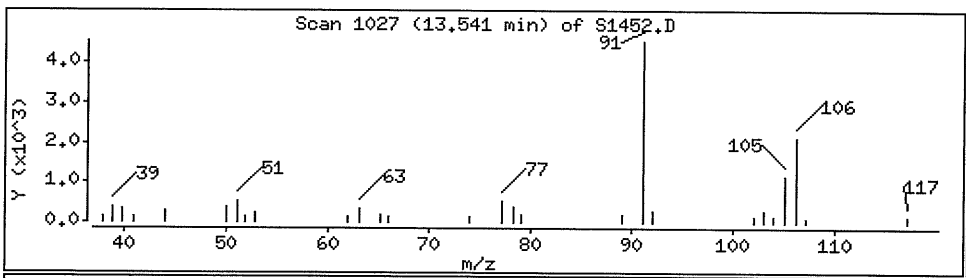


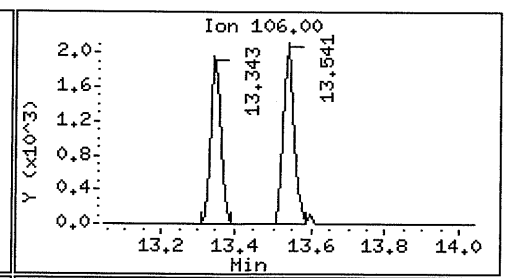


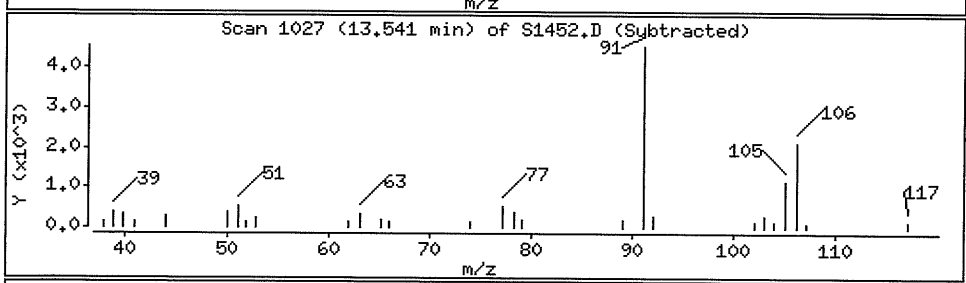


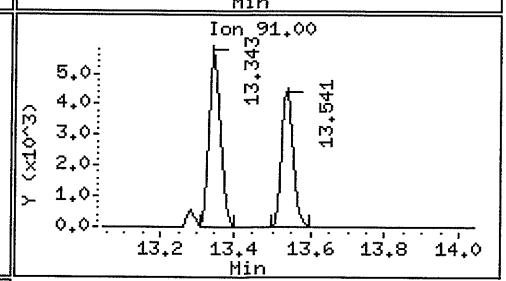


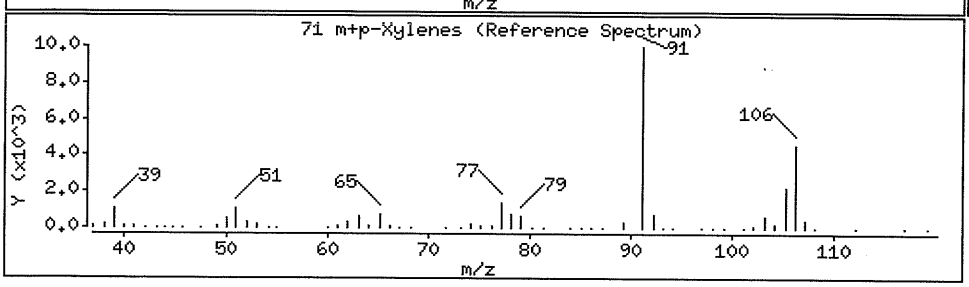
71 m+p-Xylenes Concentration: 0.95 ug/l











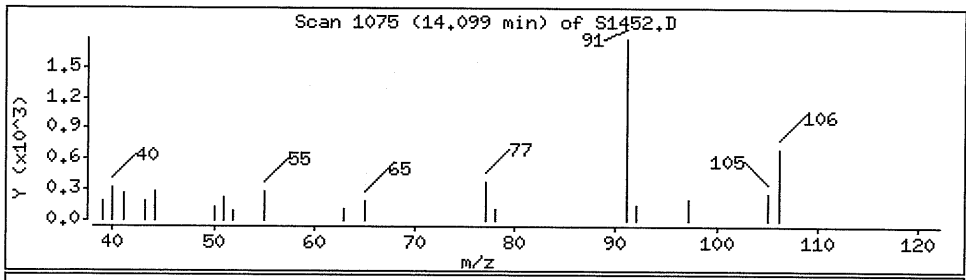
Data File: \\Target_server\GC\chem\gcms-s.i\S061908.b\S1452.D

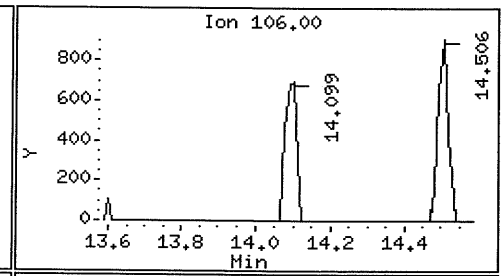
Date : 19-JUN-2008 15:25

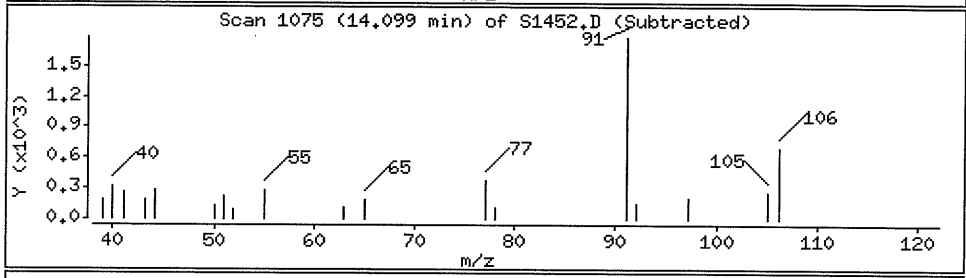
Client ID: AWD-GWMW40220080609 Instrument: gcms-s.i

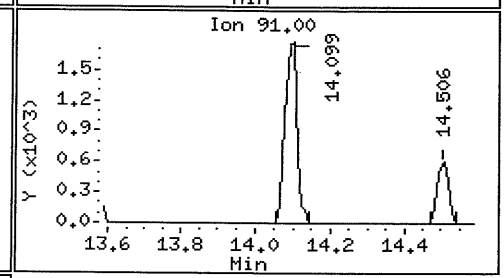
Sample Info: SB3059-6RA

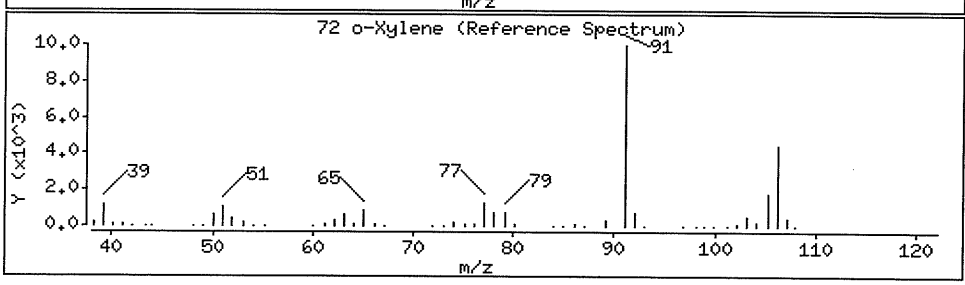
72 o-Xylene Concentration: 0.34 ug/l



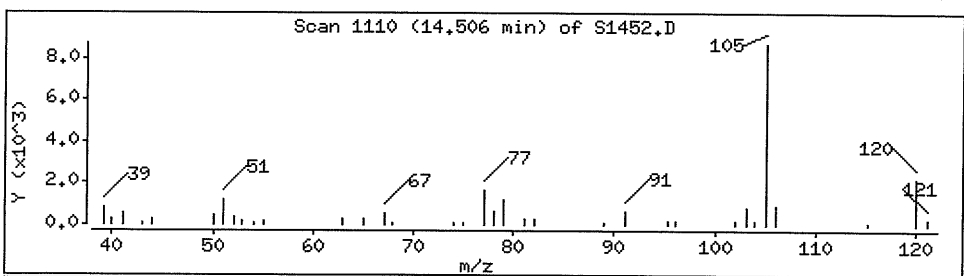


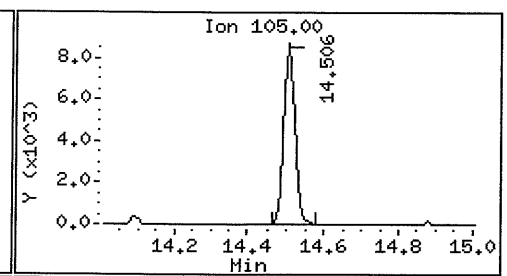


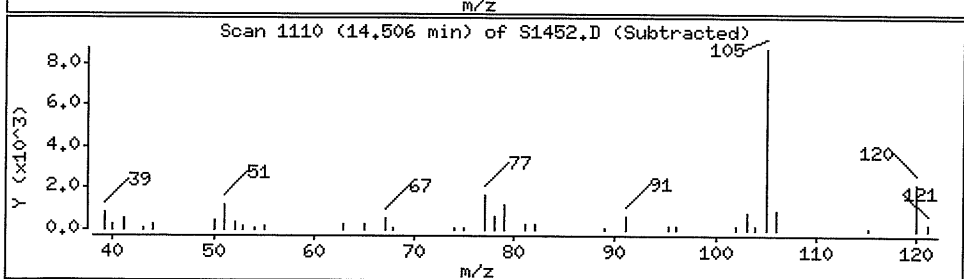


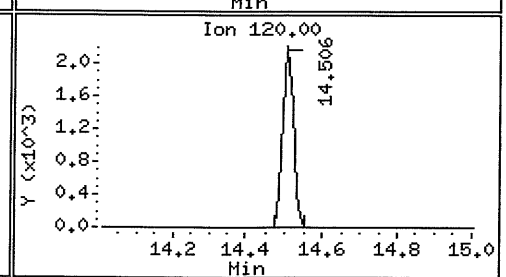


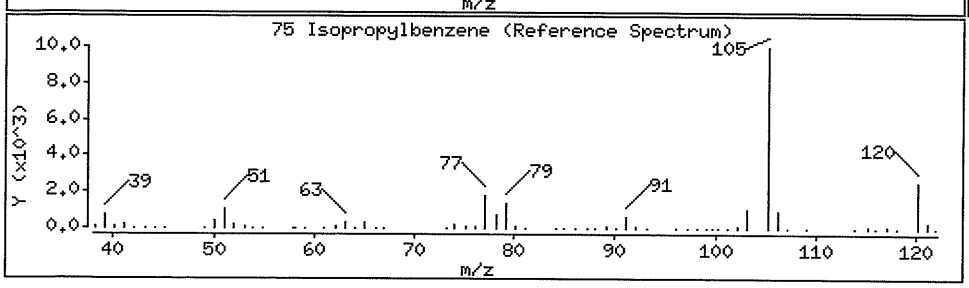
75 Isopropylbenzene Concentration: 1.8 ug/l











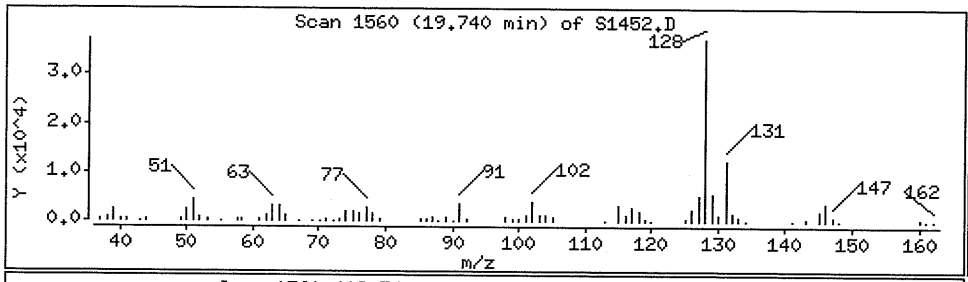
Data File: \\Target_server\GC\chem\gcms-s.i\S061908.b\S1452.D

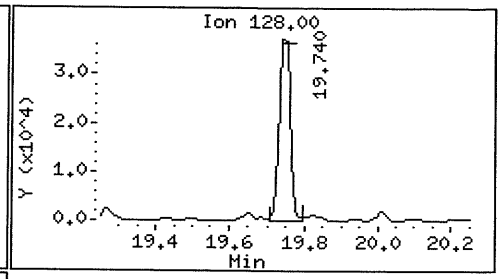
Date : 19-JUN-2008 15:25

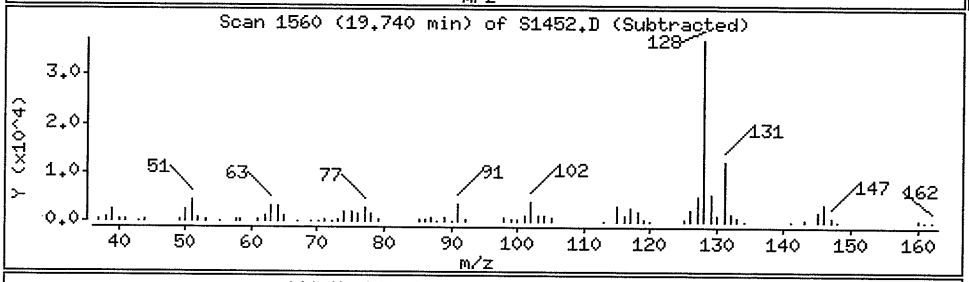
Client ID: AWD-GWMW40220080609 Instrument: gcms-s.i

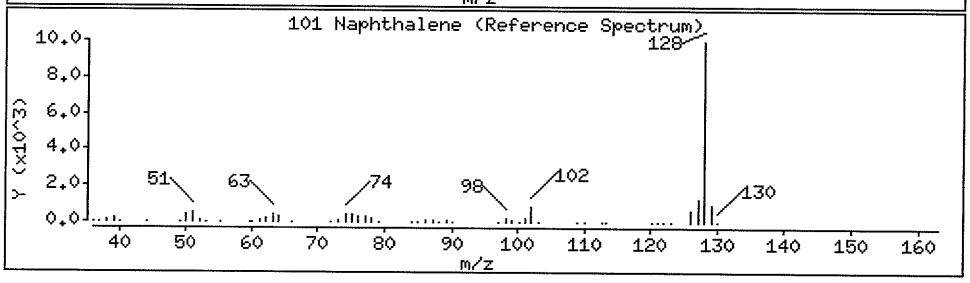
Sample Info: SB3059-6RA

101 Naphthalene Concentration: 9.7 ug/l









KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 06/10/08
Received Date: 06/11/08
Extraction Date:
Analysis Date: 19-JUN-2008 15:56
Report Date: 06/26/2008
Matrix: WATER
% Solids: NA

Lab ID: SB3059-7RA
Client ID: AWD-GW-MW304061008
SDG: CTO426-3
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG52683
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
1634-04-4	Methyl tert-butyl ether	U	1	1.0	1	1	0.5
71-43-2	Benzene	U	1	1.0	1	1	0.3
108-88-3	Toluene	U	1	1.0	1	1	0.4
100-41-4	Ethylbenzene	U	1	1.0	1	1	0.3
1330-20-7	Xylenes (total)	U	3	1.0	3	3	0.3
	m+p-Xylenes	U	2	1.0	2	2	0.7
95-47-6	o-Xylene	U	1	1.0	1	1	0.3
98-82-8	Isopropylbenzene	J	0.7	1.0	1	1	0.4
91-20-3	Naphthalene	J	0.4	1.0	1	1	0.4
1868-53-7	Dibromofluoromethane		104%				
17060-07-0	1,2-Dichloroethane-D4		97%				
2037-26-5	Toluene-D8		107%				
460-00-4	P-Bromofluorobenzene		107%				

Data File: \\Target_server\GG\chem\gcms-s.i\S061908.b\S1453.D
Report Date: 25-Jun-2008 15:50

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gcms-s.i\S061908.b\S1453.D
Lab Smp Id: SB3059-7RA
Client Smp ID: AWD-GW-MW304061008
Inj Date : 19-JUN-2008 15:56
MS Autotune Date: 21-NOV-2007 15:16
Operator : SKT
Inst ID: gcms-s.i
Smp Info : SB3059-7RA
Misc Info : SW846 8260B
Comment :
Method : \\Target_server\GG\chem\gcms-s.i\S061908.b\s826a58.m
Meth Date : 19-Jun-2008 09:58 gcms-s.i
Quant Type: ISTD
Cal Date : 16-JUN-2008 13:32
Cal File: S1375.D
Als bottle: 14
Dil Factor: 1.00000
Integrator: HP RTE
Compound Sublist: TETRAT426001.sub
Target Version: 4.12
Processing Host: MIS_2

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)	REVIEW CODE
75 Isopropylbenzene	105	14.506	14.505	(0.883)	7188	0.73541	0.74(a)	
101 Naphthalene	128	19.751	19.750	(1.202)	3637	0.45318	0.45(a)	
$ 37 Dibromofluoromethane	113	8.249	8.249	(0.904)	156007	51.8873	51.9	
$ 45 1,2-Dichloroethane-D4	65	9.133	9.132	(1.001)	166820	48.3538	48.4	
$ 55 Toluene-D8	98	11.390	11.400	(1.157)	446582	53.3663	53.4	
$ 76 P-Bromofluorobenzene	95	14.878	14.878	(1.512)	194321	53.7060	53.7	
* 42 Pentafluorobenzene	168	9.122	9.132	(1.000)	289750	50.0000		
* 49 1,4-Difluorobenzene	114	9.843	9.842	(1.000)	415484	50.0000		
* 66 Chlorobenzene-D5	117	13.285	13.284	(1.000)	380331	50.0000		
* 91 1,4-Dichlorobenzene-D4	152	16.425	16.424	(1.000)	195669	50.0000		

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: \\Target_server\GG\chem\gcms-s.i\S061908.b\S1453.D
Report Date: 25-Jun-2008 15:50

Katahdin Analytical Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcms-s.i
Lab File ID: S1453.D
Lab Smp Id: SB3059-7RA
Analysis Type: VOA
Quant Type: ISTD
Operator: SKT
Method File: \\Target_server\GG\chem\gcms-s.i\S061908.b\s826a58.m
Misc Info: SW846 8260B

Calibration Date: 19-JUN-2008
Calibration Time: 08:51
Client Smp ID: AWD-GW-MW304061
Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 4

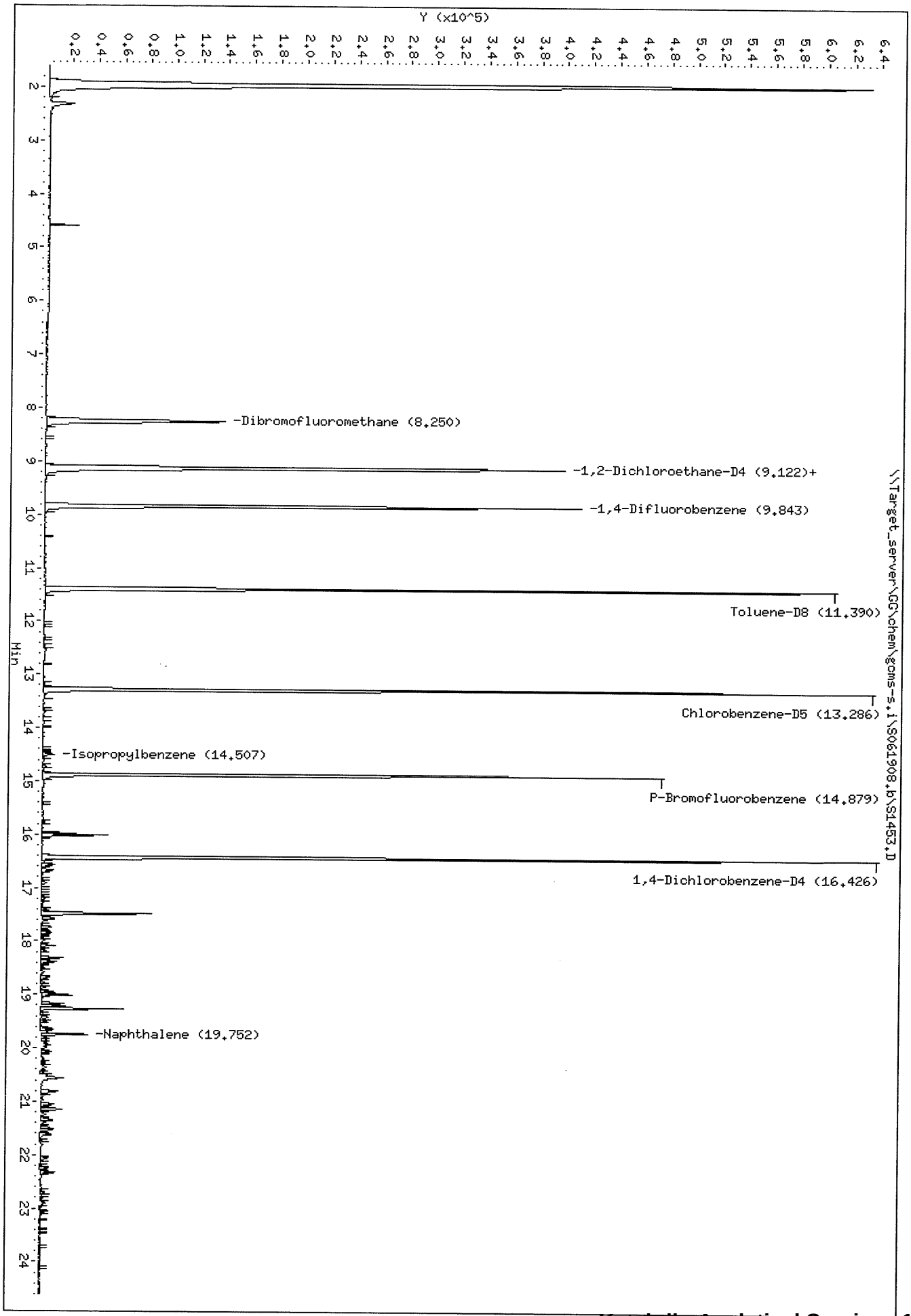
COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	330238	165119	660476	289750	-12.26
49 1,4-Difluorobenze	498117	249059	996234	415484	-16.59
66 Chlorobenzene-D5	406163	203082	812326	380331	-6.36
91 1,4-Dichlorobenze	223189	111595	446378	195669	-12.33

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	9.13	8.63	9.63	9.12	-0.05
49 1,4-Difluorobenze	9.84	9.34	10.34	9.84	0.07
66 Chlorobenzene-D5	13.29	12.79	13.79	13.29	-0.03
91 1,4-Dichlorobenze	16.43	15.93	16.93	16.43	-0.03

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.

Data File: \\Target_server\GC\chem\gcms-s.i\S061908.b\S1453.D
Date : 19-JUN-2008 15:56
Client ID: AWD-GW-MW304061008
Sample Info: SB3059-7RA

Instrument: gcms-s.i



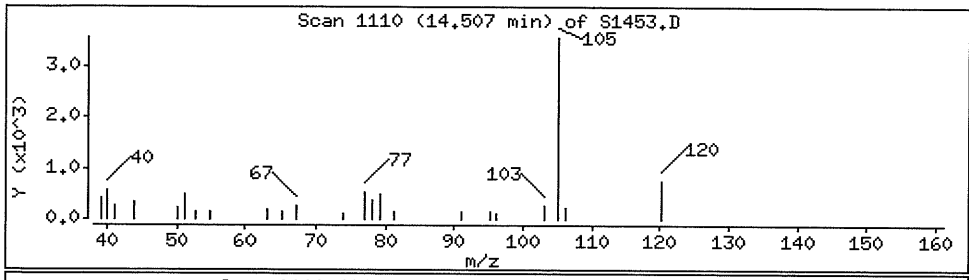
Data File: \\Target_server\GC\chem\gcms-s.i\S061908.b\S1453.D

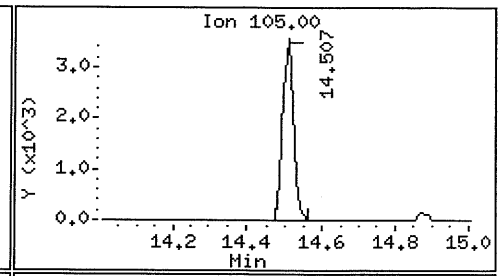
Date : 19-JUN-2008 15:56

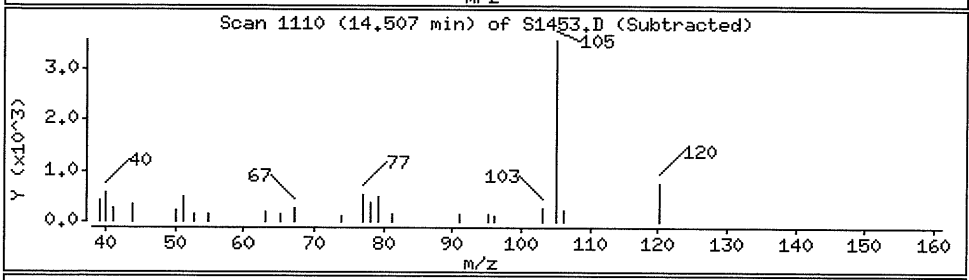
Client ID: AWD-GW-MW304061008 Instrument: gcms-s.i

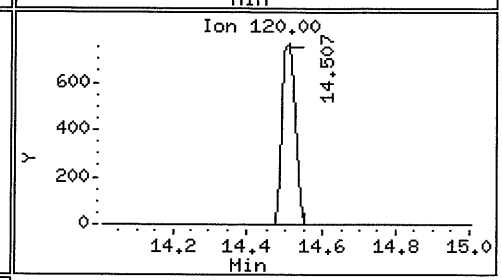
Sample Info: SB3059-7RA

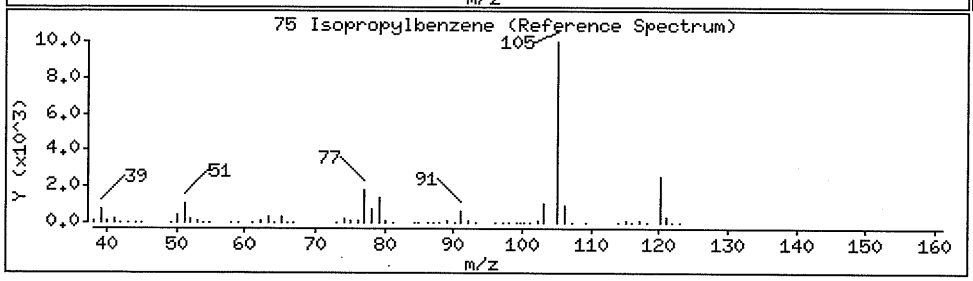
75 Isopropylbenzene Concentration: 0.74 ug/l



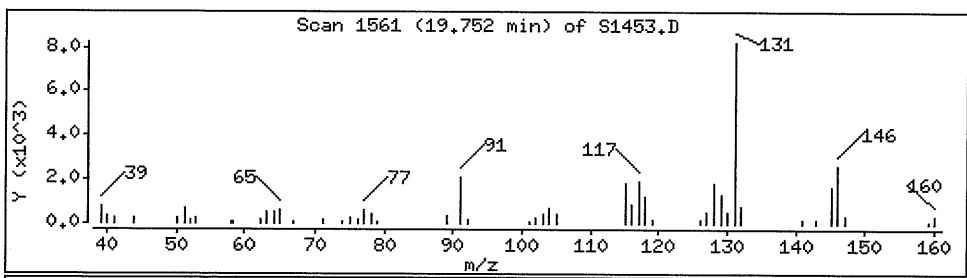


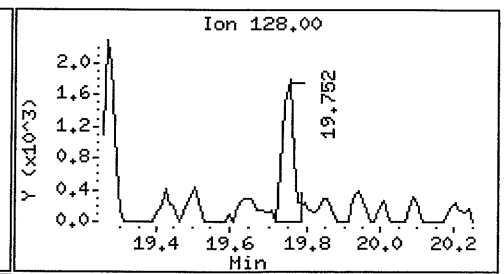


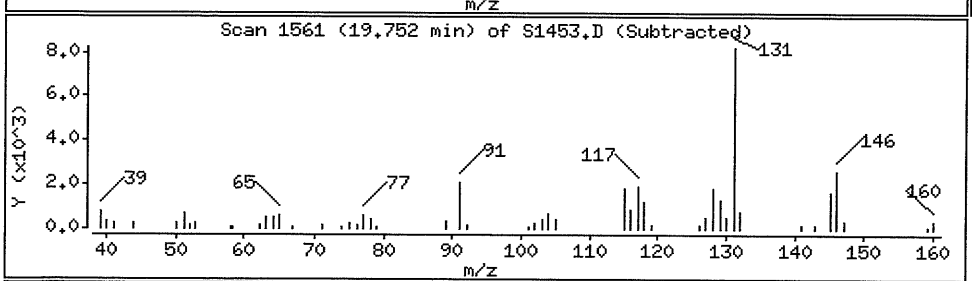


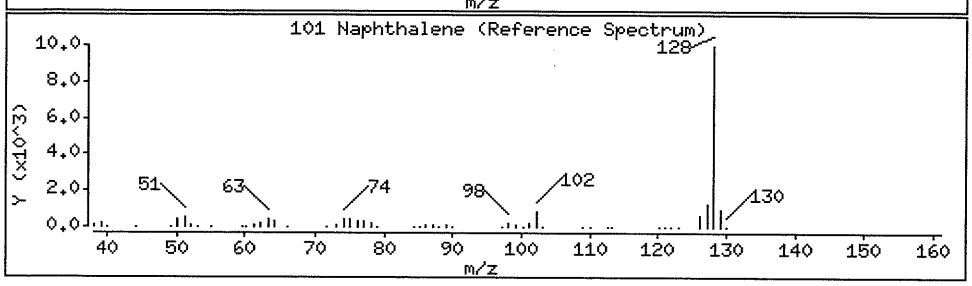


101 Naphthalene Concentration: 0.45 ug/l









KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 06/10/08
Received Date: 06/11/08
Extraction Date:
Analysis Date: 18-JUN-2008 19:35
Report Date: 06/26/2008
Matrix: WATER
% Solids: NA

Lab ID: SB3059-8
Client ID: AWD-GW-MW101061008
SDG: CTO426-3
Extracted by:
Extraction Method: SW846 5030
Analyst: TTC
Analysis Method: SW846 8260B
Lab Prep Batch: WG52642
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
1634-04-4	Methyl tert-butyl ether	U	1	1.0	1	1	0.5
71-43-2	Benzene	U	1	1.0	1	1	0.3
108-88-3	Toluene	U	1	1.0	1	1	0.4
100-41-4	Ethylbenzene	U	1	1.0	1	1	0.3
1330-20-7	Xylenes (total)	U	3	1.0	3	3	0.3
	m+p-Xylenes	U	2	1.0	2	2	0.7
95-47-6	o-Xylene	U	1	1.0	1	1	0.3
98-82-8	Isopropylbenzene	U	1	1.0	1	1	0.4
91-20-3	Naphthalene	U	1	1.0	1	1	0.4
1868-53-7	Dibromofluoromethane		110%				
17060-07-0	1,2-Dichloroethane-D4		125%				
2037-26-5	Toluene-D8		97%				
460-00-4	P-Bromofluorobenzene		98%				

Data File: \\Target_server\GG\chem\gcms-f.i\F061808.b\F0975.D
Report Date: 25-Jun-2008 14:37

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gcms-f.i\F061808.b\F0975.D
Lab Smp Id: SB3059-8 Client Smp ID: AWD-GW-MW101061008
Inj Date : 18-JUN-2008 19:35 MS Autotune Date: 01-JAN-1990 15:37
Operator : TTC Inst ID: gcms-f.i
Smp Info : SB3059-8
Misc Info : SW846 8260B
Comment :
Method : \\Target_server\GG\chem\gcms-f.i\F061808.b\F826a08.m
Meth Date : 18-Jun-2008 10:55 tcote Quant Type: ISTD
Cal Date : 13-JUN-2008 17:40 Cal File: F0839.D
Als bottle: 18
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TETRAT426001.sub
Target Version: 4.12
Processing Host: MIS_2

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)	REVIEW CODE
$ 37 Dibromofluoromethane	113	7.417	7.409	(0.871)	203267	55.1590	55.2	
$ 45 1,2-Dichloroethane-D4	65	8.508	8.500	(0.999)	260547	62.6004	62.6	
$ 55 Toluene-D8	98	11.038	11.031	(1.180)	692428	48.3050	48.3	
$ 76 P-Bromofluorobenzene	95	14.438	14.433	(1.543)	245795	49.0686	49.1	
* 42 Pentafluorobenzene	168	8.519	8.512	(1.000)	324178	50.0000		
* 49 1,4-Difluorobenzene	114	9.355	9.348	(1.000)	546850	50.0000		
* 66 Chlorobenzene-D5	117	12.860	12.854	(1.000)	464475	50.0000		
* 91 1,4-Dichlorobenzene-D4	152	15.982	15.977	(1.000)	203458	50.0000		

Data File: \\Target_server\GG\chem\gcms-f.i\F061808.b\F0975.D
Report Date: 25-Jun-2008 14:37

Katahdin Analytical Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcms-f.i
Lab File ID: F0975.D
Lab Smp Id: SB3059-8
Analysis Type: VOA
Quant Type: ISTD
Operator: TTC
Method File: \\Target_server\GG\chem\gcms-f.i\F061808.b\F826a08.m
Misc Info: SW846 8260B

Calibration Date: 18-JUN-2008
Calibration Time: 10:31
Client Smp ID: AWD-GW-MW101061
Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 4

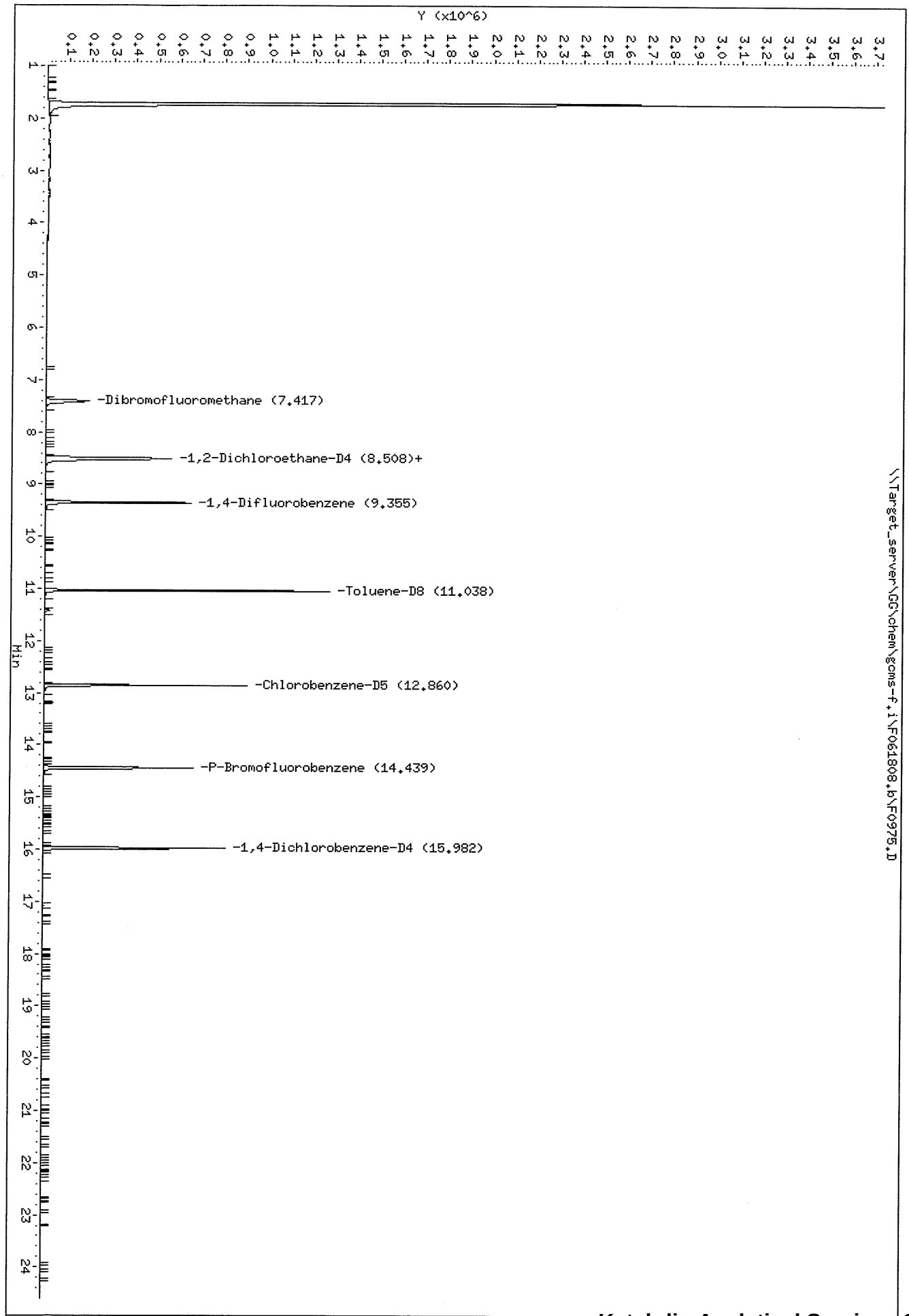
COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	438882	219441	877764	324178	-26.14
49 1,4-Difluorobenze	678902	339451	1357804	546850	-19.45
66 Chlorobenzene-D5	580047	290024	1160094	464475	-19.92
91 1,4-Dichlorobenze	292252	146126	584504	203458	-30.38

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	8.53	8.03	9.03	8.52	-0.14
49 1,4-Difluorobenze	9.37	8.87	9.87	9.36	-0.12
66 Chlorobenzene-D5	12.87	12.37	13.37	12.86	-0.09
91 1,4-Dichlorobenze	15.99	15.49	16.49	15.98	-0.07

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.

Data File: \\Target_server\GC\chem\gcms-f.i\F061808.b\F0975.D
Date : 18-JUN-2008 19:35
Client ID: AWD-GW-MW101061008
Sample Info: SB3059-8

Instrument: gcms-f.i



KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 06/10/08
Received Date: 06/11/08
Extraction Date:
Analysis Date: 19-JUN-2008 16:58
Report Date: 06/26/2008
Matrix: WATER
% Solids: NA

Lab ID: SB3059-9
Client ID: AWD-GW-MW305061008
SDG: CTO426-3
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG52683
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
1634-04-4	Methyl tert-butyl ether	U	1	1.0	1	1	0.5
71-43-2	Benzene	U	1	1.0	1	1	0.3
108-88-3	Toluene	U	1	1.0	1	1	0.4
100-41-4	Ethylbenzene	U	1	1.0	1	1	0.3
1330-20-7	Xylenes (total)	U	3	1.0	3	3	0.3
	m+p-Xylenes	U	2	1.0	2	2	0.7
95-47-6	o-Xylene	U	1	1.0	1	1	0.3
98-82-8	Isopropylbenzene	U	1	1.0	1	1	0.4
91-20-3	Naphthalene	U	1	1.0	1	1	0.4
1868-53-7	Dibromofluoromethane		106%				
17060-07-0	1,2-Dichloroethane-D4		100%				
2037-26-5	Toluene-D8		105%				
460-00-4	P-Bromofluorobenzene		110%				

Data File: \\Target_server\GG\chem\gcms-s.i\S061908.b\S1455.D
Report Date: 25-Jun-2008 15:50

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gcms-s.i\S061908.b\S1455.D
Lab Smp Id: SB3059-9 Client Smp ID: AWD-GW-MW305061008
Inj Date : 19-JUN-2008 16:58 MS Autotune Date: 21-NOV-2007 15:16
Operator : SKT Inst ID: gcms-s.i
Smp Info : SB3059-9
Misc Info : SW846 8260B
Comment :
Method : \\Target_server\GG\chem\gcms-s.i\S061908.b\s826a58.m
Meth Date : 19-Jun-2008 09:58 gcms-s.i Quant Type: ISTD
Cal Date : 16-JUN-2008 13:32 Cal File: S1375.D
Als bottle: 16
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TETRAT426001.sub
Target Version: 4.12
Processing Host: MIS_2

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)	REVIEW CODE
$ 37 Dibromofluoromethane	113	8.255	8.249	(0.904)	153855	53.2014	53.2	
$ 45 1,2-Dichloroethane-D4	65	9.127	9.132	(1.000)	165956	50.0115	50.0	
$ 55 Toluene-D8	98	11.395	11.400	(1.158)	444218	52.4373	52.4	
$ 76 P-Bromofluorobenzene	95	14.884	14.878	(1.513)	202074	55.1686	55.2	
* 42 Pentafluorobenzene	168	9.127	9.132	(1.000)	278695	50.0000		
* 49 1,4-Difluorobenzene	114	9.836	9.842	(1.000)	420607	50.0000		
* 66 Chlorobenzene-D5	117	13.290	13.284	(1.000)	357721	50.0000		
* 91 1,4-Dichlorobenzene-D4	152	16.430	16.424	(1.000)	197524	50.0000		

Data File: \\Target_server\GG\chem\gcms-s.i\S061908.b\S1455.D
Report Date: 25-Jun-2008 15:50

Katahdin Analytical Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcms-s.i
Lab File ID: S1455.D
Lab Smp Id: SB3059-9
Analysis Type: VOA
Quant Type: ISTD
Operator: SKT
Method File: \\Target_server\GG\chem\gcms-s.i\S061908.b\s826a58.m
Misc Info: SW846 8260B

Calibration Date: 19-JUN-2008
Calibration Time: 08:51
Client Smp ID: AWD-GW-MW305061
Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 4

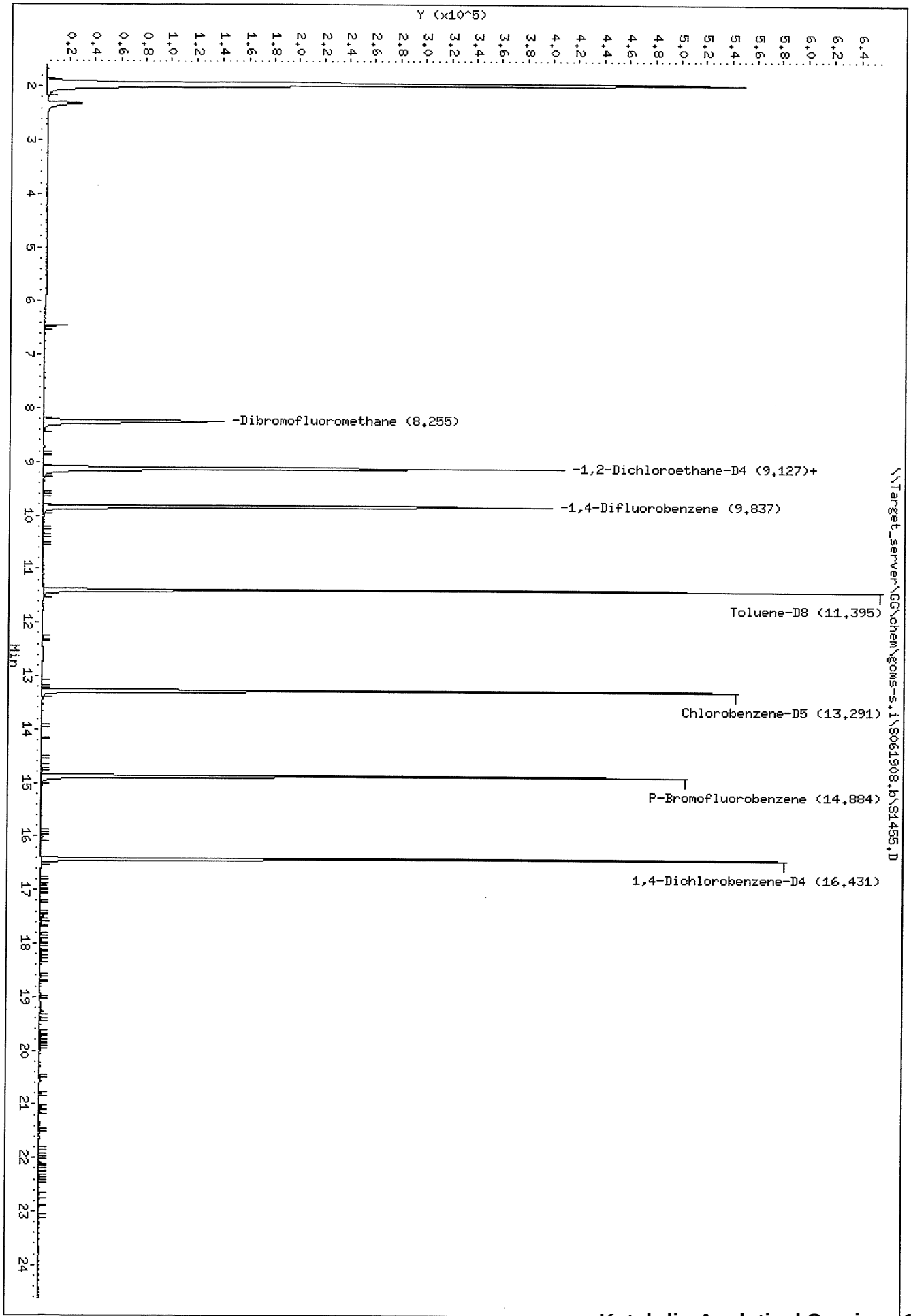
COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	330238	165119	660476	278695	-15.61
49 1,4-Difluorobenze	498117	249059	996234	420607	-15.56
66 Chlorobenzene-D5	406163	203082	812326	357721	-11.93
91 1,4-Dichlorobenze	223189	111595	446378	197524	-11.50

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	9.13	8.63	9.63	9.13	0.01
49 1,4-Difluorobenze	9.84	9.34	10.34	9.84	0.00
66 Chlorobenzene-D5	13.29	12.79	13.79	13.29	0.00
91 1,4-Dichlorobenze	16.43	15.93	16.93	16.43	0.00

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.

Data File: \\Target_server\GC\chem\gcms-s.i\S061908.b\S1455.D
Date : 19-JUN-2008 16:58
Client ID: AWD-GW-MW305061008
Sample Info: SB3059-9

Instrument: gcms-s.i



KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 06/10/08
Received Date: 06/11/08
Extraction Date:
Analysis Date: 19-JUN-2008 17:29
Report Date: 06/26/2008
Matrix: WATER
% Solids: NA

Lab ID: SB3059-10
Client ID: AWD-GW-MW201061008
SDG: CTO426-3
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG52683
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
1634-04-4	Methyl tert-butyl ether	U	1	1.0	1	1	0.5
71-43-2	Benzene	U	1	1.0	1	1	0.3
108-88-3	Toluene	U	1	1.0	1	1	0.4
100-41-4	Ethylbenzene	U	1	1.0	1	1	0.3
1330-20-7	Xylenes (total)	U	3	1.0	3	3	0.3
	m+p-Xylenes	U	2	1.0	2	2	0.7
95-47-6	o-Xylene	U	1	1.0	1	1	0.3
98-82-8	Isopropylbenzene	U	1	1.0	1	1	0.4
91-20-3	Naphthalene	U	1	1.0	1	1	0.4
1868-53-7	Dibromofluoromethane		108%				
17060-07-0	1,2-Dichloroethane-D4		100%				
2037-26-5	Toluene-D8		97%				
460-00-4	P-Bromofluorobenzene		108%				

Data File: \\Target_server\GG\chem\gcms-s.i\S061908.b\S1456.D
Report Date: 25-Jun-2008 15:50

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gcms-s.i\S061908.b\S1456.D
Lab Smp Id: SB3059-10 Client Smp ID: AWD-GW-MW201061008
Inj Date : 19-JUN-2008 17:29 MS Autotune Date: 21-NOV-2007 15:16
Operator : SKT Inst ID: gcms-s.i
Smp Info : SB3059-10
Misc Info : SW846 8260B
Comment :
Method : \\Target_server\GG\chem\gcms-s.i\S061908.b\s826a58.m
Meth Date : 19-Jun-2008 09:58 gcms-s.i Quant Type: ISTD
Cal Date : 16-JUN-2008 13:32 Cal File: S1375.D
Als bottle: 17
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TETRAT426001.sub
Target Version: 4.12
Processing Host: MIS_2

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)	REVIEW CODE
$ 37 Dibromofluoromethane	113	8.257	8.249	(0.904)	151747	54.0020	54.0	
$ 45 1,2-Dichloroethane-D4	65	9.130	9.132	(1.000)	162095	50.2719	50.3	
$ 55 Toluene-D8	98	11.397	11.400	(1.158)	433728	48.4958	48.5	
$ 76 P-Bromofluorobenzene	95	14.886	14.878	(1.513)	208127	53.8211	53.8	
* 42 Pentafluorobenzene	168	9.130	9.132	(1.000)	270801	50.0000		
* 49 1,4-Difluorobenzene	114	9.839	9.842	(1.000)	444052	50.0000		
* 66 Chlorobenzene-D5	117	13.281	13.284	(1.000)	379617	50.0000		
* 91 1,4-Dichlorobenzene-D4	152	16.422	16.424	(1.000)	178471	50.0000		

Data File: \\Target_server\GG\chem\gcms-s.i\S061908.b\S1456.D
Report Date: 25-Jun-2008 15:50

Katahdin Analytical Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcms-s.i
Lab File ID: S1456.D
Lab Smp Id: SB3059-10
Analysis Type: VOA
Quant Type: ISTD
Operator: SKT

Calibration Date: 19-JUN-2008
Calibration Time: 08:51
Client Smp ID: AWD-GW-MW201061
Level: LOW
Sample Type: WATER

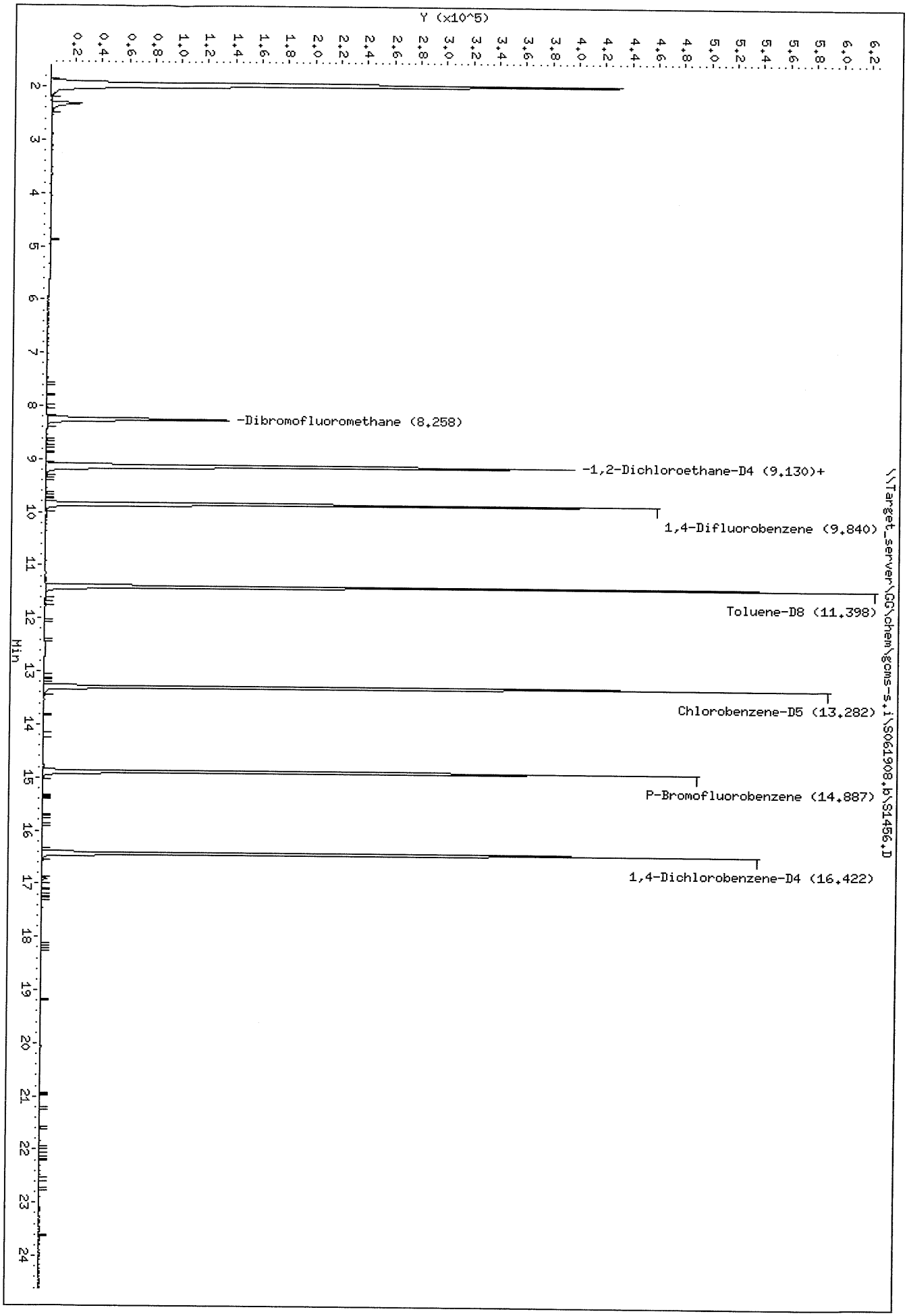
Method File: \\Target_server\GG\chem\gcms-s.i\S061908.b\s826a58.m
Misc Info: SW846 8260B

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 4

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	330238	165119	660476	270801	-18.00
49 1,4-Difluorobenze	498117	249059	996234	444052	-10.85
66 Chlorobenzene-D5	406163	203082	812326	379617	-6.54
91 1,4-Dichlorobenze	223189	111595	446378	178471	-20.04

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	9.13	8.63	9.63	9.13	0.04
49 1,4-Difluorobenze	9.84	9.34	10.34	9.84	0.03
66 Chlorobenzene-D5	13.29	12.79	13.79	13.28	-0.06
91 1,4-Dichlorobenze	16.43	15.93	16.93	16.42	-0.05

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.


Data File: \\Target_server\GC\chem\gcms-s.i\S061908.b\S1456.D
Date : 19-JUN-2008 17:29
Client ID: AWD-GW-MW201061008
Sample Info: SB3059-10
Instrument: gcms-s.i
Y (x10^5)
Min
-Dibromofluoromethane (8.258)
-1,2-Dichloroethane-D4 (9.130)+
1,4-Difluorobenzene (9.840)
Toluene-D8 (11.398)
Chlorobenzene-D5 (13.282)
P-Bromofluorobenzene (14.887)
1,4-Dichlorobenzene-D4 (16.422)
\\Target_server\GC\chem\gcms-s.i\S061908.b\S1456.D

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 06/10/08
Received Date: 06/11/08
Extraction Date:
Analysis Date: 19-JUN-2008 18:00
Report Date: 06/26/2008
Matrix: WATER
% Solids: NA

Lab ID: SB3059-11
Client ID: AWD-GW-DUP01
SDG: CTO426-3
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG52683
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
1634-04-4	Methyl tert-butyl ether	U	1	1.0	1	1	0.5
71-43-2	Benzene	U	1	1.0	1	1	0.3
108-88-3	Toluene	U	1	1.0	1	1	0.4
100-41-4	Ethylbenzene	U	1	1.0	1	1	0.3
1330-20-7	Xylenes (total)	U	3	1.0	3	3	0.3
	m+p-Xylenes	U	2	1.0	2	2	0.7
95-47-6	o-Xylene	U	1	1.0	1	1	0.3
98-82-8	Isopropylbenzene	U	1	1.0	1	1	0.4
91-20-3	Naphthalene	U	1	1.0	1	1	0.4
1868-53-7	Dibromofluoromethane		103%				
17060-07-0	1,2-Dichloroethane-D4		98%				
2037-26-5	Toluene-D8		106%				
460-00-4	P-Bromofluorobenzene		108%				

Data File: \\Target_server\GG\chem\gcms-s.i\S061908.b\S1457.D
Report Date: 25-Jun-2008 15:50

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gcms-s.i\S061908.b\S1457.D
Lab Smp Id: SB3059-11 Client Smp ID: AWD-GW-DUP01
Inj Date : 19-JUN-2008 18:00 MS Autotune Date: 21-NOV-2007 15:16
Operator : SKT Inst ID: gcms-s.i
Smp Info : SB3059-11
Misc Info : SW846 8260B
Comment :
Method : \\Target_server\GG\chem\gcms-s.i\S061908.b\s826a58.m
Meth Date : 19-Jun-2008 09:58 gcms-s.i Quant Type: ISTD
Cal Date : 16-JUN-2008 13:32 Cal File: S1375.D
Als bottle: 18
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TETRAT426001.sub
Target Version: 4.12
Processing Host: MIS_2

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)	REVIEW CODE
$ 37 Dibromofluoromethane	113	8.247	8.249	(0.904)	155043	51.6328	51.6	
$ 45 1,2-Dichloroethane-D4	65	9.130	9.132	(1.001)	169847	49.2943	49.3	
$ 55 Toluene-D8	98	11.398	11.400	(1.158)	469290	52.8730	52.9	
$ 76 P-Bromofluorobenzene	95	14.887	14.878	(1.513)	207738	54.1309	54.1	
* 42 Pentafluorobenzene	168	9.119	9.132	(1.000)	289379	50.0000		
* 49 1,4-Difluorobenzene	114	9.840	9.842	(1.000)	440685	50.0000		
* 66 Chlorobenzene-D5	117	13.282	13.284	(1.000)	389009	50.0000		
* 91 1,4-Dichlorobenzene-D4	152	16.422	16.424	(1.000)	200718	50.0000		

Data File: \\Target_server\GG\chem\gcms-s.i\S061908.b\S1457.D
Report Date: 25-Jun-2008 15:50

Katahdin Analytical Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcms-s.i
Lab File ID: S1457.D
Lab Smp Id: SB3059-11
Analysis Type: VOA
Quant Type: ISTD
Operator: SKT
Method File: \\Target_server\GG\chem\gcms-s.i\S061908.b\s826a58.m
Misc Info: SW846 8260B

Calibration Date: 19-JUN-2008
Calibration Time: 08:51
Client Smp ID: AWD-GW-DUP01
Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 4

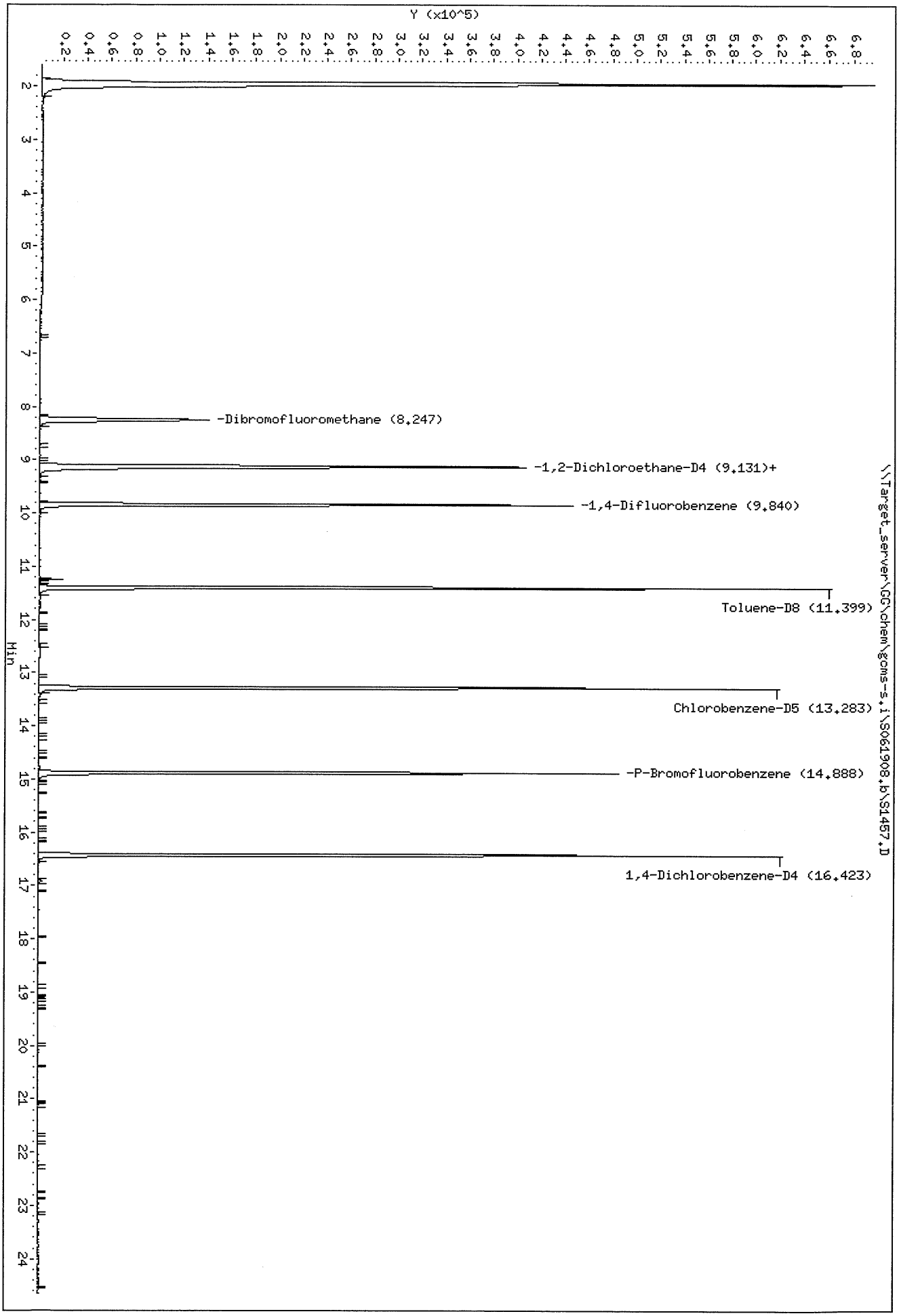
COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	330238	165119	660476	289379	-12.37
49 1,4-Difluorobenze	498117	249059	996234	440685	-11.53
66 Chlorobenzene-D5	406163	203082	812326	389009	-4.22
91 1,4-Dichlorobenze	223189	111595	446378	200718	-10.07

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	9.13	8.63	9.63	9.12	-0.08
49 1,4-Difluorobenze	9.84	9.34	10.34	9.84	0.04
66 Chlorobenzene-D5	13.29	12.79	13.79	13.28	-0.06
91 1,4-Dichlorobenze	16.43	15.93	16.93	16.42	-0.05

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.

Data File: \\Target_server\GC\chem\gcms-s.i\S061908.b\S1457.D
Date : 19-JUN-2008 18:00
Client ID: AWD-GW-DUP01
Sample Info: SB3059-11

Instrument: gcms-s.i



KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 06/10/08
Received Date: 06/11/08
Extraction Date:
Analysis Date: 19-JUN-2008 18:32
Report Date: 06/26/2008
Matrix: WATER
% Solids: NA

Lab ID: SB3059-12
Client ID: AWD-GWMW20220080610
SDG: CTO426-3
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG52683
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
1634-04-4	Methyl tert-butyl ether	U	1	1.0	1	1	0.5
71-43-2	Benzene	U	1	1.0	1	1	0.3
108-88-3	Toluene	U	1	1.0	1	1	0.4
100-41-4	Ethylbenzene	J	0.4	1.0	1	1	0.3
1330-20-7	Xylenes (total)	U	3	1.0	3	3	0.3
	m+p-Xylenes	U	2	1.0	2	2	0.7
95-47-6	o-Xylene	U	1	1.0	1	1	0.3
98-82-8	Isopropylbenzene		1	1.0	1	1	0.4
91-20-3	Naphthalene	J	0.5	1.0	1	1	0.4
1868-53-7	Dibromofluoromethane		104%				
17060-07-0	1,2-Dichloroethane-D4		103%				
2037-26-5	Toluene-D8		106%				
460-00-4	P-Bromofluorobenzene		114%				

Data File: \\Target_server\GG\chem\gcms-s.i\S061908.b\S1458.D
Report Date: 25-Jun-2008 15:50

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gcms-s.i\S061908.b\S1458.D
Lab Smp Id: SB3059-12 Client Smp ID: AWD-GWMW20220080610
Inj Date : 19-JUN-2008 18:32 MS Autotune Date: 21-NOV-2007 15:16
Operator : SKT Inst ID: gcms-s.i
Smp Info : SB3059-12
Misc Info : SW846 8260B
Comment :
Method : \\Target_server\GG\chem\gcms-s.i\S061908.b\s826a58.m
Meth Date : 19-Jun-2008 09:58 gcms-s.i Quant Type: ISTD
Cal Date : 16-JUN-2008 13:32 Cal File: S1375.D
Als bottle: 19
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TETRAT426001.sub
Target Version: 4.12
Processing Host: MIS_2

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)	REVIEW CODE
68 Ethylbenzene	106	13.348	13.354	(1.004)	1576	0.41352	0.41(a)	
75 Isopropylbenzene	105	14.500	14.505	(0.883)	13088	1.28787	1.3	
101 Naphthalene	128	19.745	19.750	(1.202)	3990	0.47816	0.48(a)	
$ 37 Dibromofluoromethane	113	8.254	8.249	(0.904)	159183	52.0481	52.0	
$ 45 1,2-Dichloroethane-D4	65	9.138	9.132	(1.001)	181547	51.7325	51.7	
$ 55 Toluene-D8	98	11.395	11.400	(1.158)	469999	52.7596	52.8	
$ 76 P-Bromofluorobenzene	95	14.883	14.878	(1.513)	219397	56.9603	57.0	
* 42 Pentafluorobenzene	168	9.127	9.132	(1.000)	294735	50.0000		
* 49 1,4-Difluorobenzene	114	9.836	9.842	(1.000)	442299	50.0000		
* 66 Chlorobenzene-D5	117	13.290	13.284	(1.000)	394265	50.0000		
* 91 1,4-Dichlorobenzene-D4	152	16.430	16.424	(1.000)	203445	50.0000		

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: \\Target_server\GG\chem\gcms-s.i\S061908.b\S1458.D
Report Date: 25-Jun-2008 15:50

Katahdin Analytical Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcms-s.i
Lab File ID: S1458.D
Lab Smp Id: SB3059-12
Analysis Type: VOA
Quant Type: ISTD
Operator: SKT
Calibration Date: 19-JUN-2008
Calibration Time: 08:51
Client Smp ID: AWD-GWMW2022008
Level: LOW
Sample Type: WATER
Method File: \\Target_server\GG\chem\gcms-s.i\S061908.b\s826a58.m
Misc Info: SW846 8260B

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 4

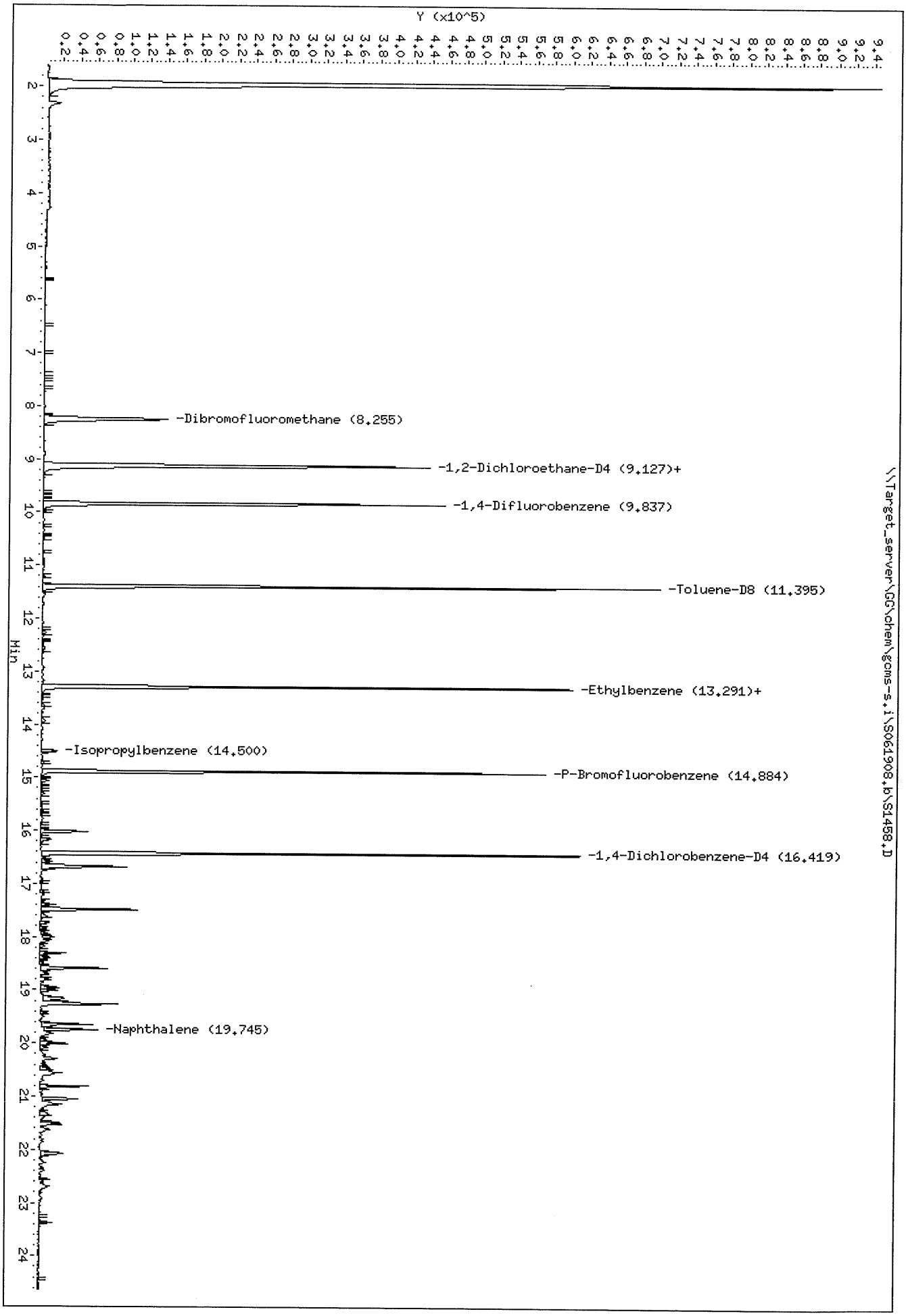
COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	330238	165119	660476	294735	-10.75
49 1,4-Difluorobenze	498117	249059	996234	442299	-11.21
66 Chlorobenzene-D5	406163	203082	812326	394265	-2.93
91 1,4-Dichlorobenze	223189	111595	446378	203445	-8.85

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	9.13	8.63	9.63	9.13	0.00
49 1,4-Difluorobenze	9.84	9.34	10.34	9.84	0.00
66 Chlorobenzene-D5	13.29	12.79	13.79	13.29	0.00
91 1,4-Dichlorobenze	16.43	15.93	16.93	16.43	0.00

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.

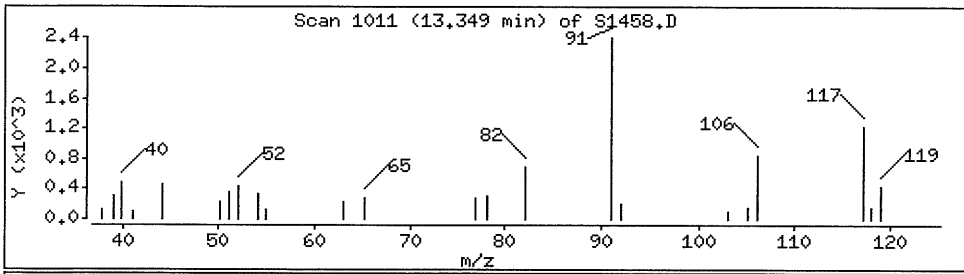
Data File: \\Target_server\GC\chem\gcms-s.i\S061908.b\S1458.D
Date : 19-JUN-2008 18:32
Client ID: AWD-GWMW20220080610
Sample Info: SB3059-12

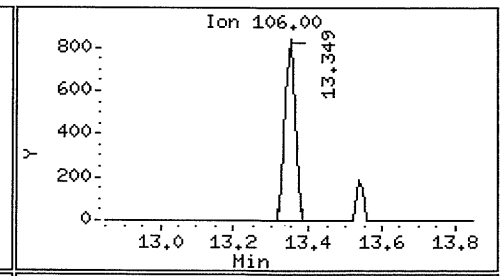
Instrument: gcms-s.i

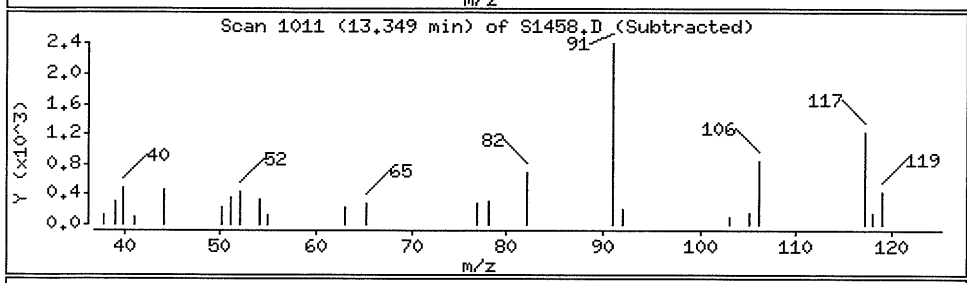


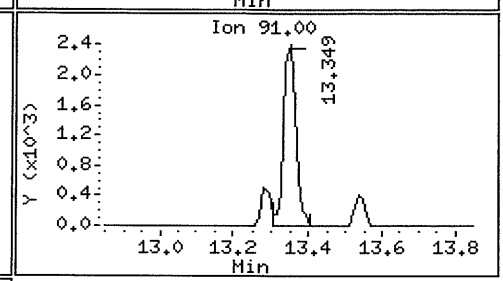
Data File: \\Target_server\GC\chem\gcms-s.i\S061908.b\S1458.D
Date : 19-JUN-2008 18:32
Client ID: AWD-GWMW20220080610 Instrument: gcms-s.i
Sample Info: SB3059-12

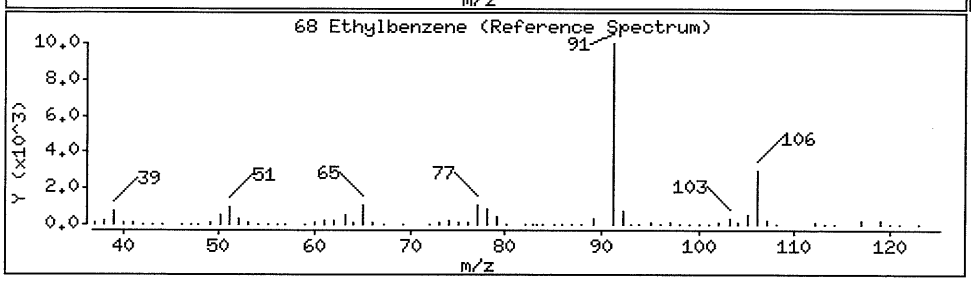
68 Ethylbenzene Concentration: 0.41 ug/l



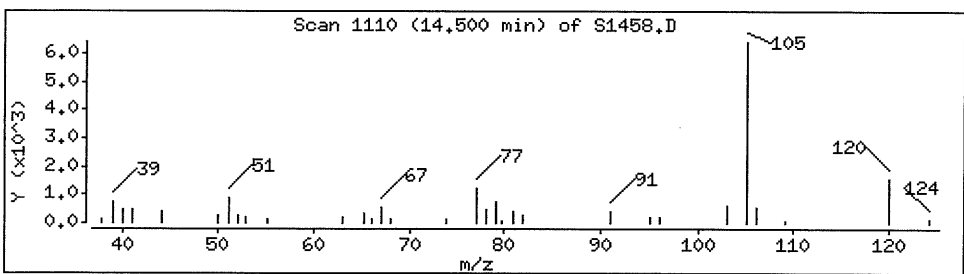


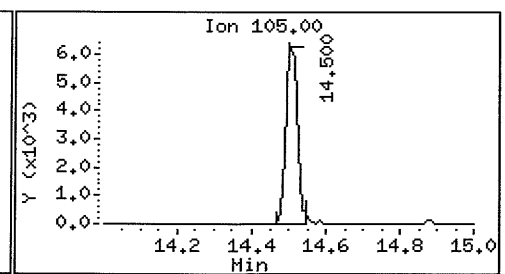


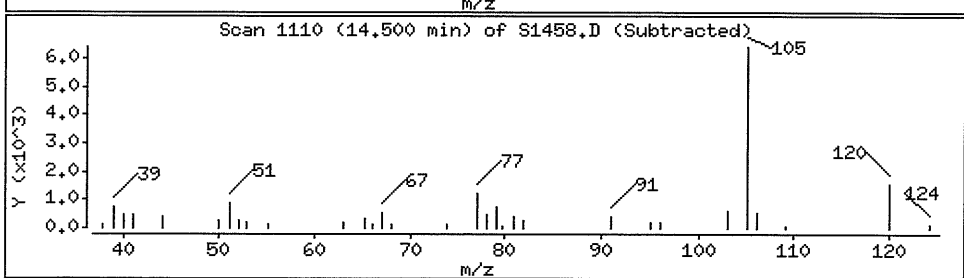


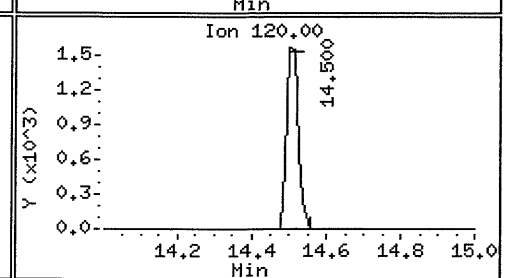


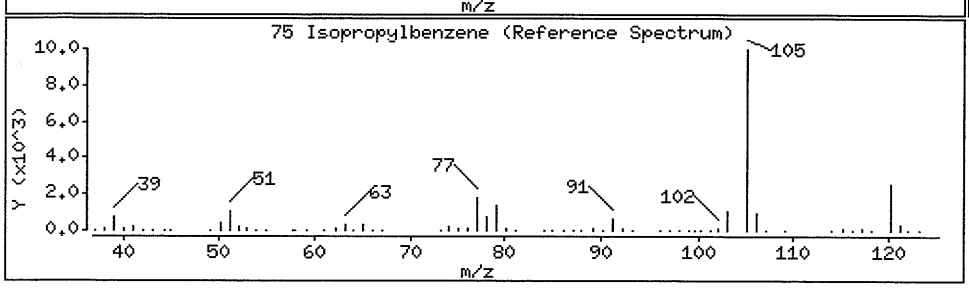
75 Isopropylbenzene Concentration: 1.3 ug/l











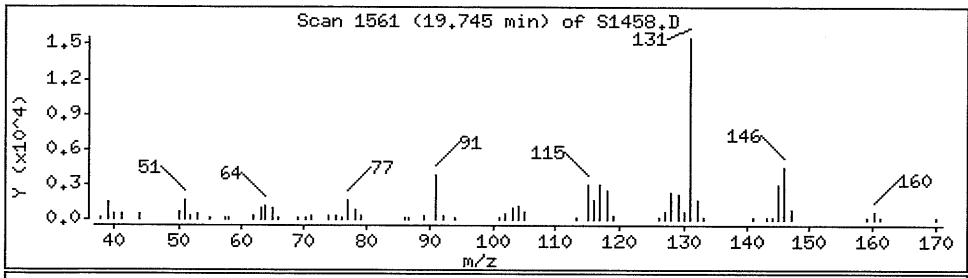
Data File: \\Target_server\GC\chem\gcms-s.i\S061908.b\S1458.D

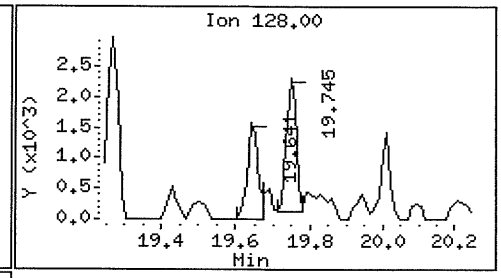
Date : 19-JUN-2008 18:32

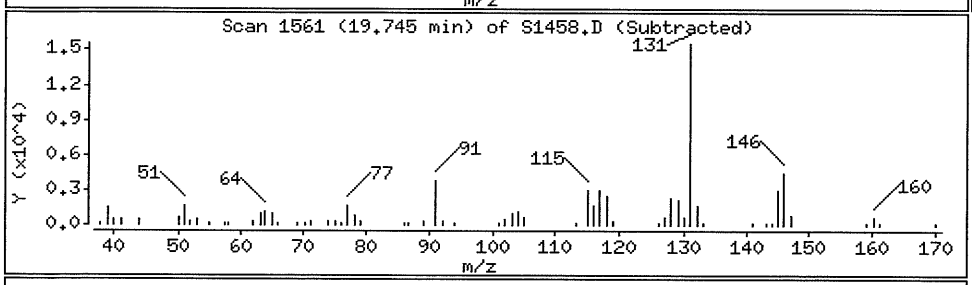
Client ID: AWD-GWMW20220080610 Instrument: gcms-s.i

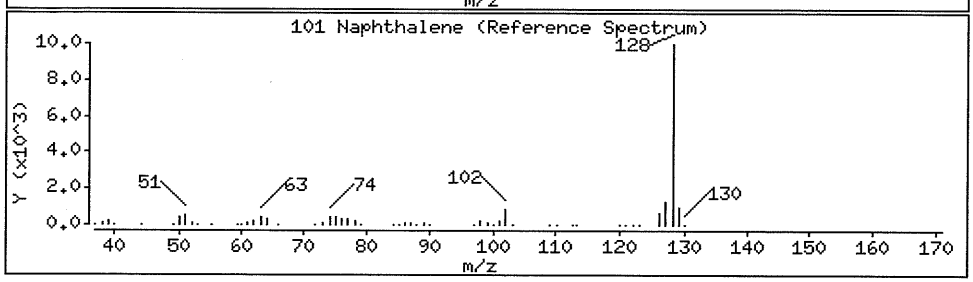
Sample Info: SB3059-12

101 Naphthalene Concentration: 0.48 ug/l









KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 06/10/08
Received Date: 06/11/08
Extraction Date:
Analysis Date: 19-JUN-2008 19:03
Report Date: 06/26/2008
Matrix: WATER
% Solids: NA

Lab ID: SB3059-13
Client ID: AWD-GWMW1420080610
SDG: CTO426-3
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG52683
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
1634-04-4	Methyl tert-butyl ether	U	1	1.0	1	1	0.5
71-43-2	Benzene	U	1	1.0	1	1	0.3
108-88-3	Toluene	U	1	1.0	1	1	0.4
100-41-4	Ethylbenzene	U	1	1.0	1	1	0.3
1330-20-7	Xylenes (total)	U	3	1.0	3	3	0.3
	m+p-Xylenes	U	2	1.0	2	2	0.7
95-47-6	o-Xylene	U	1	1.0	1	1	0.3
98-82-8	Isopropylbenzene		2	1.0	1	1	0.4
91-20-3	Naphthalene	J	0.4	1.0	1	1	0.4
1868-53-7	Dibromofluoromethane		104%				
17060-07-0	1,2-Dichloroethane-D4		99%				
2037-26-5	Toluene-D8		104%				
460-00-4	P-Bromofluorobenzene		115%				

Data File: \\Target_server\GG\chem\gcms-s.i\S061908.b\S1459.D
Report Date: 25-Jun-2008 15:50

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gcms-s.i\S061908.b\S1459.D
Lab Smp Id: SB3059-13 Client Smp ID: AWD-GWMW1420080610
Inj Date : 19-JUN-2008 19:03 MS Autotune Date: 21-NOV-2007 15:16
Operator : SKT Inst ID: gcms-s.i
Smp Info : SB3059-13
Misc Info : SW846 8260B
Comment :
Method : \\Target_server\GG\chem\gcms-s.i\S061908.b\s826a58.m
Meth Date : 19-Jun-2008 09:58 gcms-s.i Quant Type: ISTD
Cal Date : 16-JUN-2008 13:32 Cal File: S1375.D
Als bottle: 20
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TETRAT426001.sub
Target Version: 4.12
Processing Host: MIS_2

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)	REVIEW CODE
75 Isopropylbenzene	105	14.500	14.505	(0.883)	22254	2.16099	2.2	
101 Naphthalene	128	19.745	19.750	(1.202)	3631	0.42941	0.43(a)	
$ 37 Dibromofluoromethane	113	8.255	8.249	(0.904)	162477	52.0305	52.0	
$ 45 1,2-Dichloroethane-D4	65	9.127	9.132	(1.000)	178245	49.7450	49.7	
$ 55 Toluene-D8	98	11.395	11.400	(1.158)	470719	52.2734	52.3	
$ 76 P-Bromofluorobenzene	95	14.884	14.878	(1.513)	224156	57.5713	57.6	
* 42 Pentafluorobenzene	168	9.127	9.132	(1.000)	300936	50.0000		
* 49 1,4-Difluorobenzene	114	9.837	9.842	(1.000)	447097	50.0000		
* 66 Chlorobenzene-D5	117	13.291	13.284	(1.000)	411428	50.0000		
* 91 1,4-Dichlorobenzene-D4	152	16.431	16.424	(1.000)	206158	50.0000		

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: \\Target_server\GG\chem\gcms-s.i\S061908.b\S1459.D
Report Date: 25-Jun-2008 15:50

Katahdin Analytical Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcms-s.i
Lab File ID: S1459.D
Lab Smp Id: SB3059-13
Analysis Type: VOA
Quant Type: ISTD
Operator: SKT
Method File: \\Target_server\GG\chem\gcms-s.i\S061908.b\s826a58.m
Misc Info: SW846 8260B

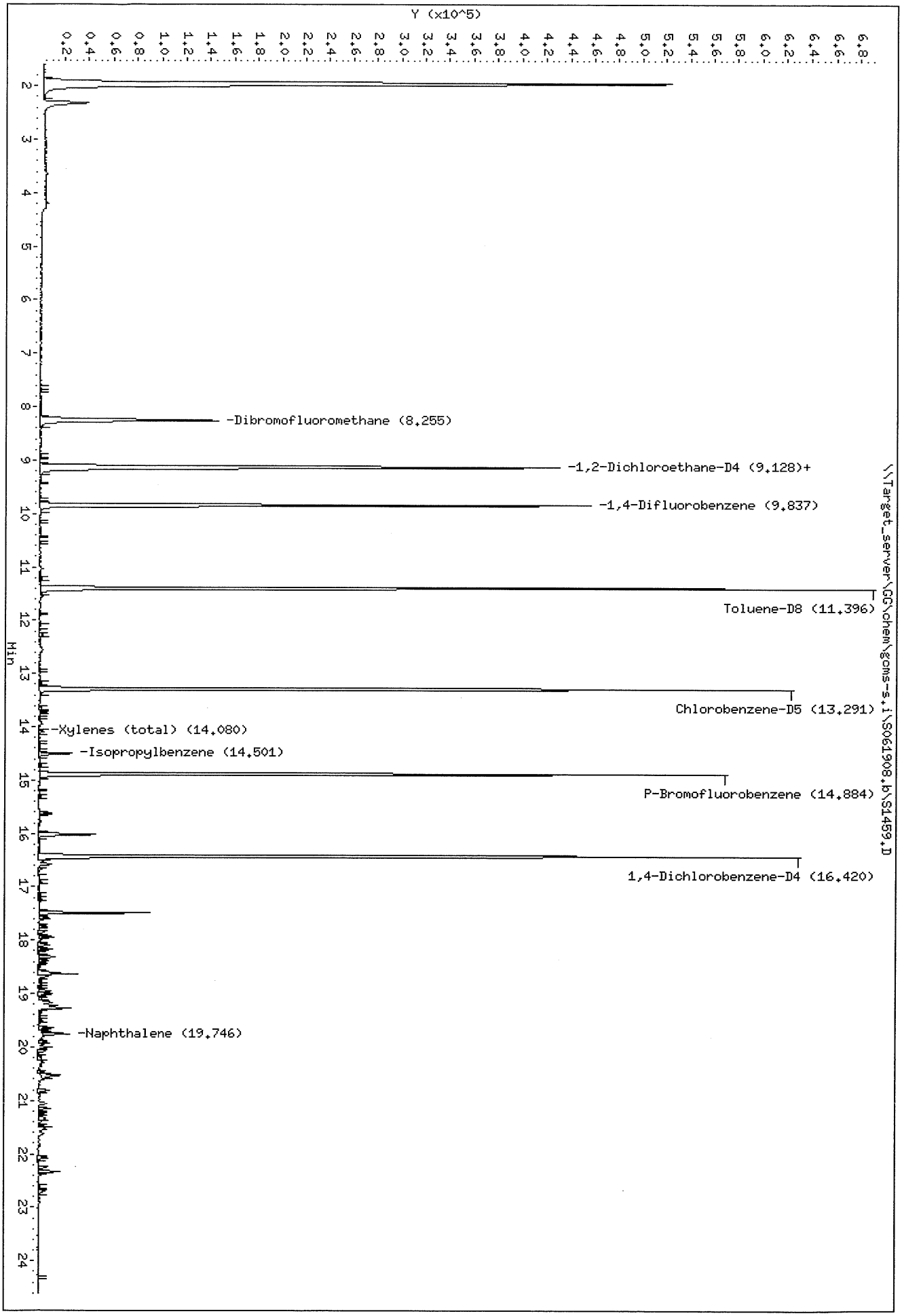
Calibration Date: 19-JUN-2008
Calibration Time: 08:51
Client Smp ID: AWD-GWMW1420080
Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 4

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	330238	165119	660476	300936	-8.87
49 1,4-Difluorobenze	498117	249059	996234	447097	-10.24
66 Chlorobenzene-D5	406163	203082	812326	411428	1.30
91 1,4-Dichlorobenze	223189	111595	446378	206158	-7.63

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	9.13	8.63	9.63	9.13	0.01
49 1,4-Difluorobenze	9.84	9.34	10.34	9.84	0.01
66 Chlorobenzene-D5	13.29	12.79	13.79	13.29	0.01
91 1,4-Dichlorobenze	16.43	15.93	16.93	16.43	0.01

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.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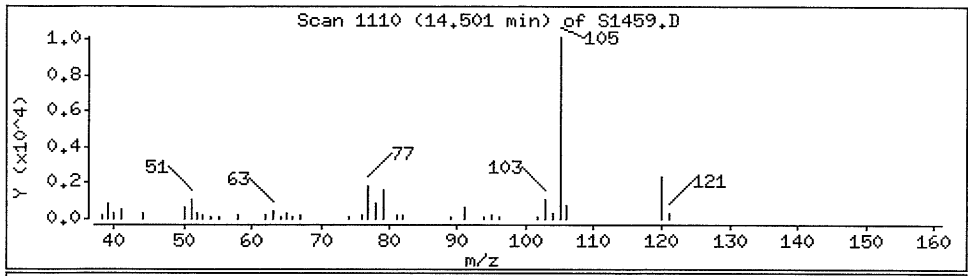
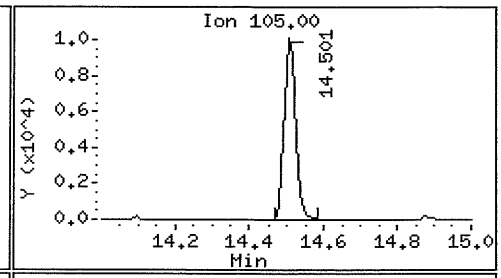
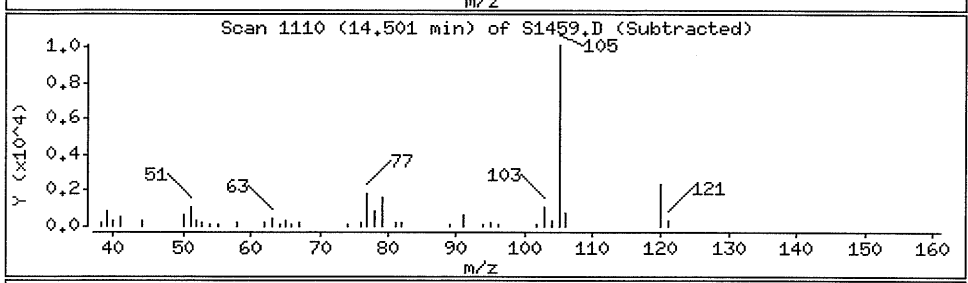
Date : 19-JUN-2008 19:03
Client ID: AWD-GWM142008061O
Sample Info: SB3059-13
Instrument: gcms-s.i
Y (x10^5)
Min
-Dibromofluoromethane (8.255)
-1,2-Dichloroethane-D4 (9.128)+
-1,4-Difluorobenzene (9.837)
Toluene-D8 (11.396)
Chlorobenzene-D5 (13.291)
-Xylenes (total) (14.080)
-Isopropylbenzene (14.501)
P-Bromofluorobenzene (14.884)
1,4-Dichlorobenzene-D4 (16.420)
-Naphthalene (19.746)
\\Target_server\GC\chem\gcms-s.i\S061908.b\S1459.D

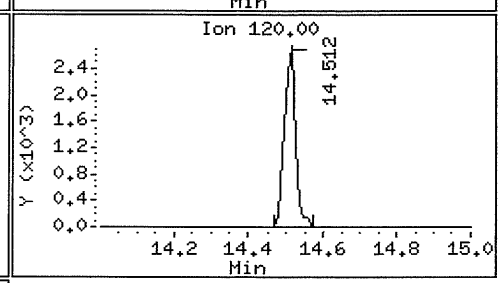
Data File: \\Target_server\GC\chem\gcms-s.i\S061908.b\S1459.D
Date : 19-JUN-2008 19:03
Client ID: AWD-GWMW1420080610 Instrument: gcms-s.i
Sample Info: SB3059-13

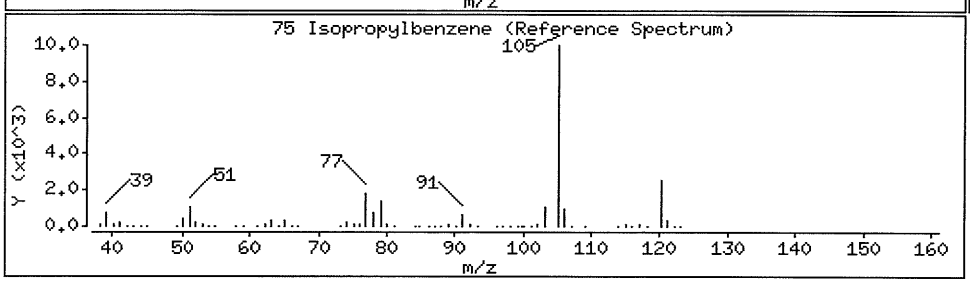
75 Isopropylbenzene Concentration: 2.2 ug/l



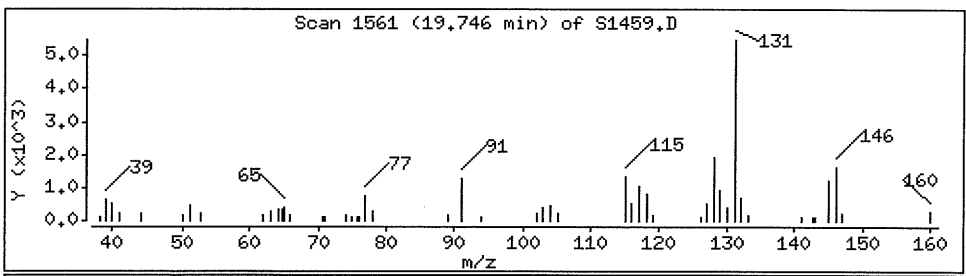


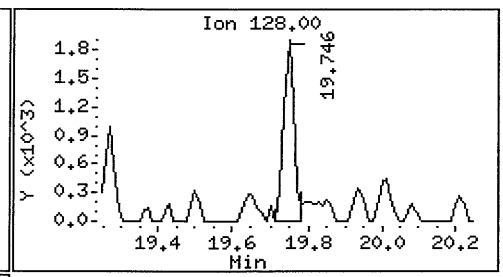


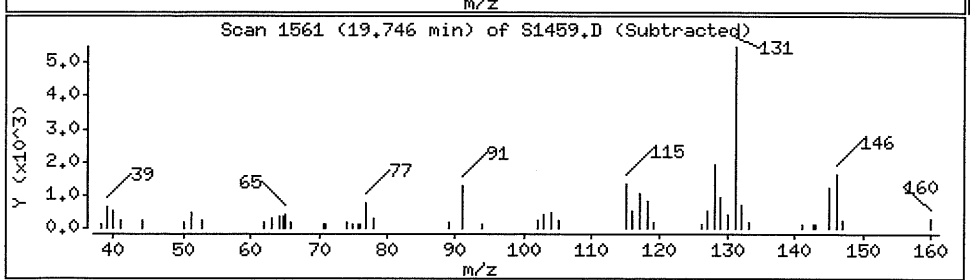


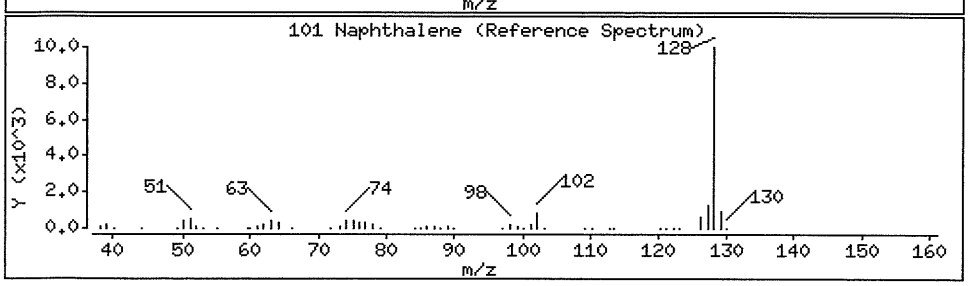


101 Naphthalene Concentration: 0.43 ug/l









KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 06/10/08
Received Date: 06/11/08
Extraction Date:
Analysis Date: 19-JUN-2008 11:16
Report Date: 06/26/2008
Matrix: WATER
% Solids: NA

Lab ID: SB3059-14
Client ID: AWD-TB061008
SDG: CTO426-3
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG52683
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
1634-04-4	Methyl tert-butyl ether	U	1	1.0	1	1	0.5
71-43-2	Benzene	U	1	1.0	1	1	0.3
108-88-3	Toluene	U	1	1.0	1	1	0.4
100-41-4	Ethylbenzene	U	1	1.0	1	1	0.3
1330-20-7	Xylenes (total)	U	3	1.0	3	3	0.3
	m+p-Xylenes	U	2	1.0	2	2	0.7
95-47-6	o-Xylene	U	1	1.0	1	1	0.3
98-82-8	Isopropylbenzene	U	1	1.0	1	1	0.4
91-20-3	Naphthalene	U	1	1.0	1	1	0.4
1868-53-7	Dibromofluoromethane		102%				
17060-07-0	1,2-Dichloroethane-D4		94%				
2037-26-5	Toluene-D8		103%				
460-00-4	P-Bromofluorobenzene		107%				

Data File: \\Target_server\GG\chem\gcms-s.i\S061908.b\S1444.D
Report Date: 25-Jun-2008 15:50

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gcms-s.i\S061908.b\S1444.D
Lab Smp Id: SB3059-14 Client Smp ID: AWD-TB061008
Inj Date : 19-JUN-2008 11:16 MS Autotune Date: 21-NOV-2007 15:16
Operator : SKT Inst ID: gcms-s.i
Smp Info : SB3059-14
Misc Info : SW846 8260B
Comment :
Method : \\Target_server\GG\chem\gcms-s.i\S061908.b\s826a58.m
Meth Date : 19-Jun-2008 09:58 gcms-s.i Quant Type: ISTD
Cal Date : 16-JUN-2008 13:32 Cal File: S1375.D
Als bottle: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TETRAT426001.sub
Target Version: 4.12
Processing Host: MIS_2

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)	REVIEW COD
$ 37 Dibromofluoromethane	113	8.255	8.249	(0.904)	167112	51.1289	51.1	
$ 45 1,2-Dichloroethane-D4	65	9.127	9.132	(1.000)	177382	47.2970	47.3	
$ 55 Toluene-D8	98	11.395	11.400	(1.158)	475409	51.3417	51.3	
$ 76 P-Bromofluorobenzene	95	14.884	14.878	(1.513)	214311	53.5284	53.5	
* 42 Pentafluorobenzene	168	9.127	9.132	(1.000)	314979	50.0000		
* 49 1,4-Difluorobenzene	114	9.836	9.842	(1.000)	459746	50.0000		
* 66 Chlorobenzene-D5	117	13.290	13.284	(1.000)	407483	50.0000		
* 91 1,4-Dichlorobenzene-D4	152	16.430	16.424	(1.000)	202051	50.0000		

Data File: \\Target_server\GG\chem\gcms-s.i\S061908.b\S1444.D
Report Date: 25-Jun-2008 15:50

Katahdin Analytical Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcms-s.i
Lab File ID: S1444.D
Lab Smp Id: SB3059-14
Analysis Type: VOA
Quant Type: ISTD
Operator: SKT
Method File: \\Target_server\GG\chem\gcms-s.i\S061908.b\s826a58.m
Misc Info: SW846 8260B

Calibration Date: 19-JUN-2008
Calibration Time: 08:51
Client Smp ID: AWD-TB061008
Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 4

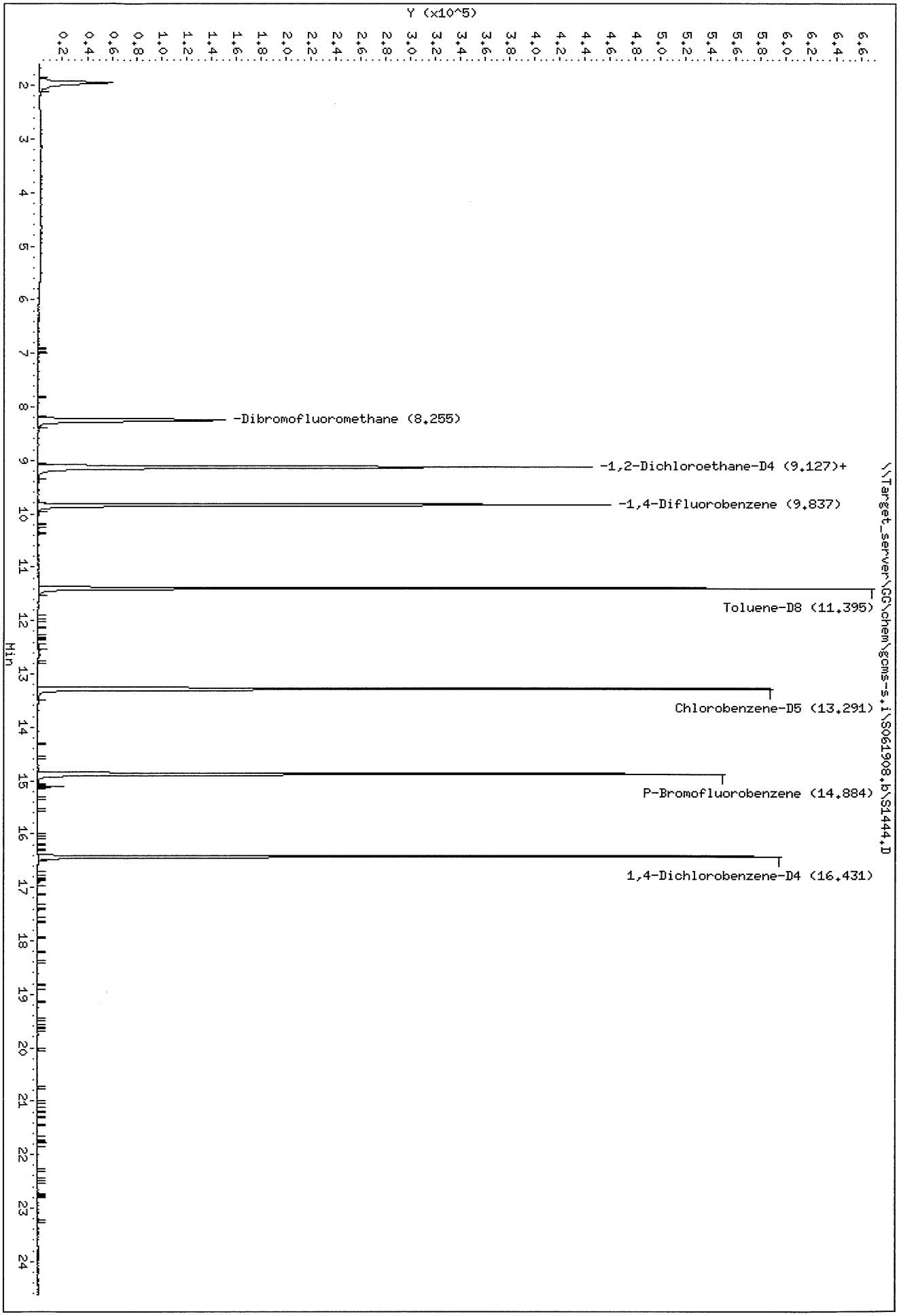
COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	330238	165119	660476	314979	-4.62
49 1,4-Difluorobenze	498117	249059	996234	459746	-7.70
66 Chlorobenzene-D5	406163	203082	812326	407483	0.32
91 1,4-Dichlorobenze	223189	111595	446378	202051	-9.47

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	9.13	8.63	9.63	9.13	0.01
49 1,4-Difluorobenze	9.84	9.34	10.34	9.84	0.01
66 Chlorobenzene-D5	13.29	12.79	13.79	13.29	0.00
91 1,4-Dichlorobenze	16.43	15.93	16.93	16.43	0.00

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.

Data File: \\Target_server\GC\chem\gcms-s.i\S061908.b\S1444.D
Date : 19-JUN-2008 11:16
Client ID: AWD-TB061008
Sample Info: SB3059-14

Instrument: gcms-s.i



KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 06/11/08
Received Date: 06/12/08
Extraction Date:
Analysis Date: 20-JUN-2008 16:43
Report Date: 06/26/2008
Matrix: WATER
% Solids: NA

Lab ID: SB3101-1
Client ID: AWD-GW-MW302-061108
SDG: CTO426-3
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG52722
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
1634-04-4	Methyl tert-butyl ether	U	1	1.0	1	1	0.5
71-43-2	Benzene	U	1	1.0	1	1	0.3
108-88-3	Toluene	U	1	1.0	1	1	0.4
100-41-4	Ethylbenzene	U	1	1.0	1	1	0.3
1330-20-7	Xylenes (total)	U	3	1.0	3	3	0.3
	m+p-Xylenes	U	2	1.0	2	2	0.7
95-47-6	o-Xylene	U	1	1.0	1	1	0.3
98-82-8	Isopropylbenzene	U	1	1.0	1	1	0.4
91-20-3	Naphthalene	U	1	1.0	1	1	0.4
1868-53-7	Dibromofluoromethane		105%				
17060-07-0	1,2-Dichloroethane-D4		99%				
2037-26-5	Toluene-D8		106%				
460-00-4	P-Bromofluorobenzene		101%				

Data File: \\Target_server\GG\chem\gcms-s.i\S062008.b\S1481.D
Report Date: 25-Jun-2008 15:54

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gcms-s.i\S062008.b\S1481.D
Lab Smp Id: SB3101-1 Client Smp ID: AWD-GW-MW302-061108
Inj Date : 20-JUN-2008 16:43 MS Autotune Date: 21-NOV-2007 15:16
Operator : SKT Inst ID: gcms-s.i
Smp Info : SB3101-1
Misc Info : SW846 8260B
Comment :
Method : \\Target_server\GG\chem\gcms-s.i\S062008.b\s826a58.m
Meth Date : 20-Jun-2008 08:05 tcote Quant Type: ISTD
Cal Date : 16-JUN-2008 13:32 Cal File: S1375.D
Als bottle: 17
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TETRAT426001.sub
Target Version: 4.12
Processing Host: MIS_2

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)	REVIEW CODE
$ 37 Dibromofluoromethane	113	8.249	8.249	(0.904)	191767	52.3459	52.3	
$ 45 1,2-Dichloroethane-D4	65	9.121	9.132	(1.000)	207893	49.4555	49.4	
$ 55 Toluene-D8	98	11.389	11.400	(1.159)	588475	53.0494	53.0	
$ 76 P-Bromofluorobenzene	95	14.878	14.878	(1.513)	242935	50.6501	50.6	
* 42 Pentafluorobenzene	168	9.121	9.132	(1.000)	353046	50.0000		
* 49 1,4-Difluorobenzene	114	9.831	9.842	(1.000)	550767	50.0000		
* 66 Chlorobenzene-D5	117	13.285	13.284	(1.000)	473876	50.0000		
* 91 1,4-Dichlorobenzene-D4	152	16.425	16.424	(1.000)	248836	50.0000		

Data File: \\Target_server\GG\chem\gcms-s.i\S062008.b\S1481.D
Report Date: 25-Jun-2008 15:54

Katahdin Analytical Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcms-s.i
Lab File ID: S1481.D
Lab Smp Id: SB3101-1
Analysis Type: VOA
Quant Type: ISTD
Operator: SKT
Method File: \\Target_server\GG\chem\gcms-s.i\S062008.b\s826a58.m
Misc Info: SW846 8260B

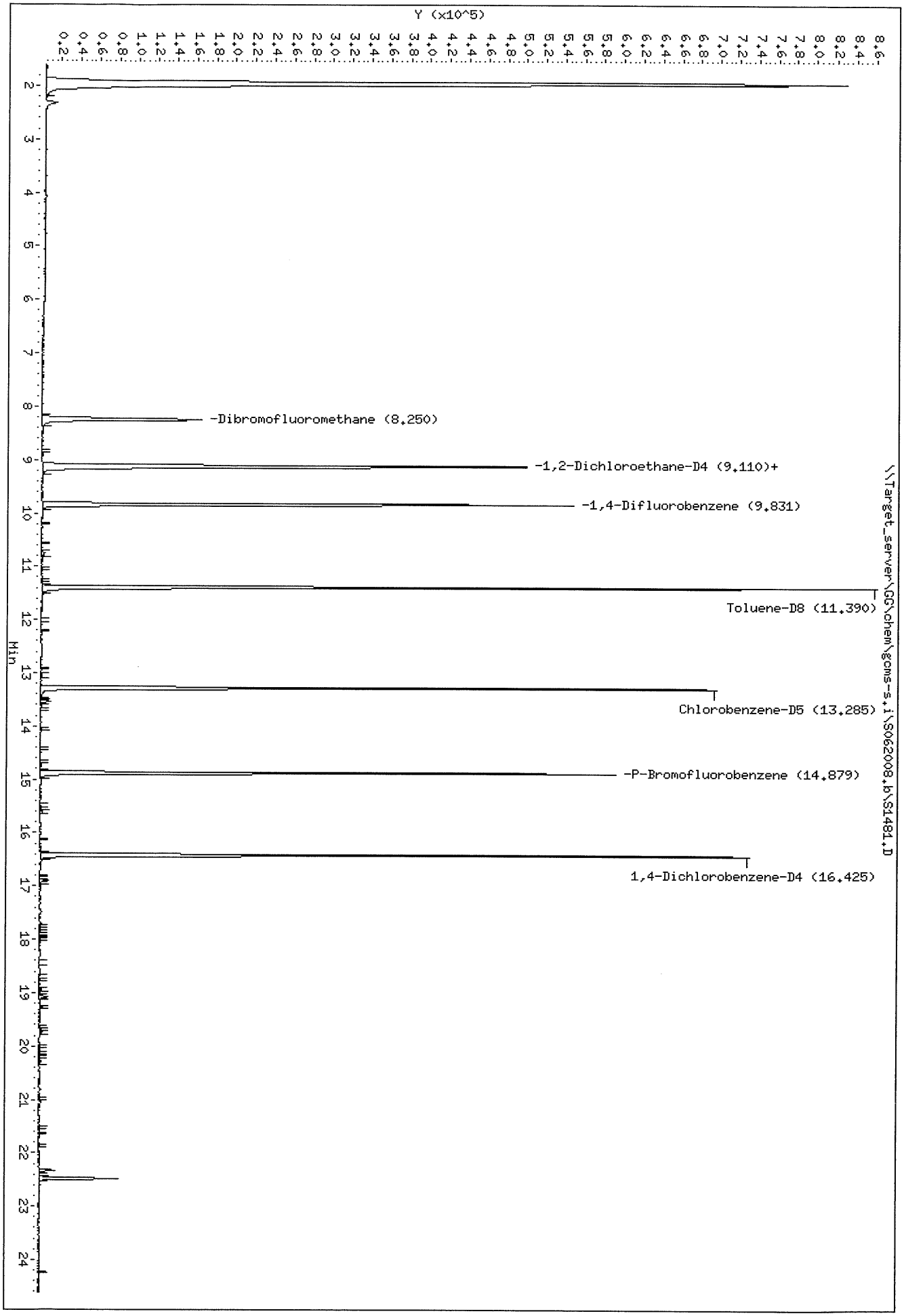
Calibration Date: 20-JUN-2008
Calibration Time: 07:52
Client Smp ID: AWD-GW-MW302-06
Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 4

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	334758	167379	669516	353046	5.46
49 1,4-Difluorobenze	508159	254080	1016318	550767	8.38
66 Chlorobenzene-D5	432696	216348	865392	473876	9.52
91 1,4-Dichlorobenze	230694	115347	461388	248836	7.86

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	9.12	8.62	9.62	9.12	0.03
49 1,4-Difluorobenze	9.84	9.34	10.34	9.83	-0.09
66 Chlorobenzene-D5	13.28	12.78	13.78	13.29	0.02
91 1,4-Dichlorobenze	16.42	15.92	16.92	16.43	0.02

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.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Date : 20-JUN-2008 16:43
Client ID: AWD-GW-MW302-061108
Sample Info: SB3101-1
Instrument: gcms-s.i
\\Target_server\GC\chem\gcms-s.i\S062008.b\S1481.D
Y (x10^5)
Min
-Dibromofluoromethane (8.250)
-1,2-Dichloroethane-D4 (9.110)+
-1,4-Difluorobenzene (9.831)
Toluene-D8 (11.390)
Chlorobenzene-D5 (13.285)
-P-Bromofluorobenzene (14.879)
1,4-Dichlorobenzene-D4 (16.425)

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 06/11/08
Received Date: 06/12/08
Extraction Date:
Analysis Date: 20-JUN-2008 17:14
Report Date: 06/26/2008
Matrix: WATER
% Solids: NA

Lab ID: SB3101-3
Client ID: AWD-GWMW30120080611
SDG: CTO426-3
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG52722
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
1634-04-4	Methyl tert-butyl ether	U	1	1.0	1	1	0.5
71-43-2	Benzene	U	1	1.0	1	1	0.3
108-88-3	Toluene	U	1	1.0	1	1	0.4
100-41-4	Ethylbenzene	U	1	1.0	1	1	0.3
1330-20-7	Xylenes (total)	U	3	1.0	3	3	0.3
	m+p-Xylenes	U	2	1.0	2	2	0.7
95-47-6	o-Xylene	U	1	1.0	1	1	0.3
98-82-8	Isopropylbenzene	U	1	1.0	1	1	0.4
91-20-3	Naphthalene	U	1	1.0	1	1	0.4
1868-53-7	Dibromofluoromethane		104%				
17060-07-0	1,2-Dichloroethane-D4		99%				
2037-26-5	Toluene-D8		114%				
460-00-4	P-Bromofluorobenzene		109%				

Data File: \\Target_server\GG\chem\gcms-s.i\S062008.b\S1482.D
Report Date: 25-Jun-2008 15:54

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gcms-s.i\S062008.b\S1482.D
Lab Smp Id: SB3101-3 Client Smp ID: AWD-GWMW30120080611
Inj Date : 20-JUN-2008 17:14 MS Autotune Date: 21-NOV-2007 15:16
Operator : SKT Inst ID: gcms-s.i
Smp Info : SB3101-3
Misc Info : SW846 8260B
Comment :
Method : \\Target_server\GG\chem\gcms-s.i\S062008.b\s826a58.m
Meth Date : 20-Jun-2008 08:05 tcote Quant Type: ISTD
Cal Date : 16-JUN-2008 13:32 Cal File: S1375.D
Als bottle: 18
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TETRAT426001.sub
Target Version: 4.12
Processing Host: MIS_2

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)	REVIEW CODE
$ 37 Dibromofluoromethane	113	8.243	8.249	(0.904)	191657	52.1003	52.1	
$ 45 1,2-Dichloroethane-D4	65	9.127	9.132	(1.001)	209649	49.6677	49.7	
$ 55 Toluene-D8	98	11.395	11.400	(1.158)	592384	57.0444	57.0	
$ 76 P-Bromofluorobenzene	95	14.872	14.878	(1.512)	244182	54.3826	54.4	
* 42 Pentafluorobenzene	168	9.116	9.132	(1.000)	354507	50.0000		
* 49 1,4-Difluorobenzene	114	9.837	9.842	(1.000)	515598	50.0000		
* 66 Chlorobenzene-D5	117	13.279	13.284	(1.000)	461639	50.0000		
* 91 1,4-Dichlorobenzene-D4	152	16.419	16.424	(1.000)	239630	50.0000		

Data File: \\Target_server\GG\chem\gcms-s.i\S062008.b\S1482.D
Report Date: 25-Jun-2008 15:54

Katahdin Analytical Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcms-s.i
Lab File ID: S1482.D
Lab Smp Id: SB3101-3
Analysis Type: VOA
Quant Type: ISTD
Operator: SKT
Method File: \\Target_server\GG\chem\gcms-s.i\S062008.b\s826a58.m
Misc Info: SW846 8260B

Calibration Date: 20-JUN-2008
Calibration Time: 07:52
Client Smp ID: AWD-GWMW3012008
Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 4

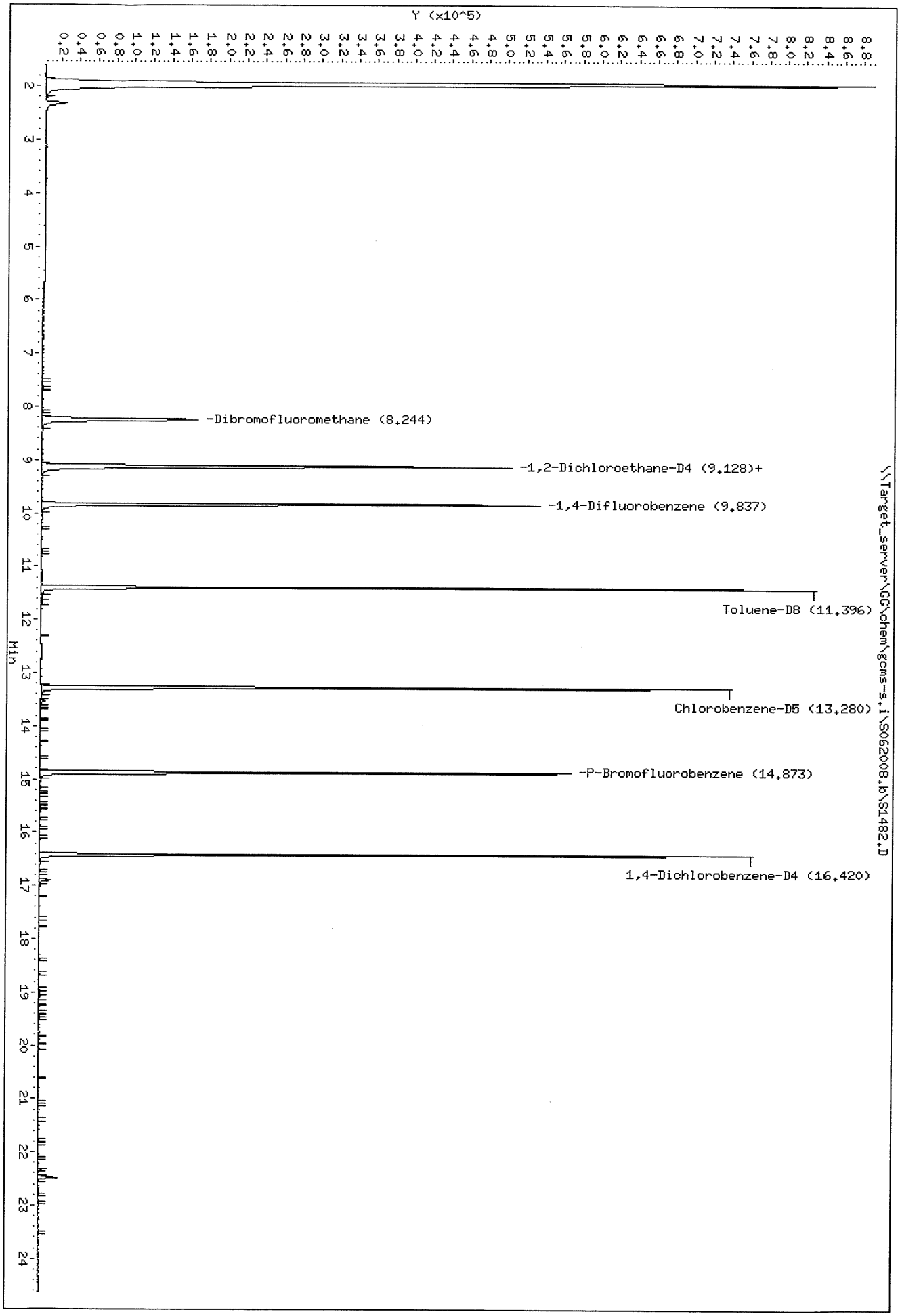
COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	334758	167379	669516	354507	5.90
49 1,4-Difluorobenze	508159	254080	1016318	515598	1.46
66 Chlorobenzene-D5	432696	216348	865392	461639	6.69
91 1,4-Dichlorobenze	230694	115347	461388	239630	3.87

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	9.12	8.62	9.62	9.12	-0.03
49 1,4-Difluorobenze	9.84	9.34	10.34	9.84	-0.03
66 Chlorobenzene-D5	13.28	12.78	13.78	13.28	-0.02
91 1,4-Dichlorobenze	16.42	15.92	16.92	16.42	-0.02

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.

Data File: \\Target_server\GC\chem\gcms-s.i\S062008.b\S1482.D
Date : 20-JUN-2008 17:14
Client ID: AWD-GWMW3012008061 1
Sample Info: SB3101-3

Instrument: gcms-s.i



KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 06/11/08
Received Date: 06/12/08
Extraction Date:
Analysis Date: 20-JUN-2008 17:45
Report Date: 06/26/2008
Matrix: WATER
% Solids: NA

Lab ID: SB3101-4
Client ID: AWD-GWMW401-061108
SDG: CTO426-3
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG52722
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
1634-04-4	Methyl tert-butyl ether	U	1	1.0	1	1	0.5
71-43-2	Benzene	U	1	1.0	1	1	0.3
108-88-3	Toluene	U	1	1.0	1	1	0.4
100-41-4	Ethylbenzene	U	1	1.0	1	1	0.3
1330-20-7	Xylenes (total)	U	3	1.0	3	3	0.3
	m+p-Xylenes	U	2	1.0	2	2	0.7
95-47-6	o-Xylene	U	1	1.0	1	1	0.3
98-82-8	Isopropylbenzene	U	1	1.0	1	1	0.4
91-20-3	Naphthalene	U	1	1.0	1	1	0.4
1868-53-7	Dibromofluoromethane		105%				
17060-07-0	1,2-Dichloroethane-D4		98%				
2037-26-5	Toluene-D8		108%				
460-00-4	P-Bromofluorobenzene		104%				

Data File: \\Target_server\GG\chem\gcms-s.i\S062008.b\S1483.D
Report Date: 25-Jun-2008 15:54

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gcms-s.i\S062008.b\S1483.D
Lab Smp Id: SB3101-4 Client Smp ID: AWD-GWMW401-061108
Inj Date : 20-JUN-2008 17:45 MS Autotune Date: 21-NOV-2007 15:16
Operator : SKT Inst ID: gcms-s.i
Smp Info : SB3101-4
Misc Info : SW846 8260B
Comment :
Method : \\Target_server\GG\chem\gcms-s.i\S062008.b\s826a58.m
Meth Date : 20-Jun-2008 08:05 tcote Quant Type: ISTD
Cal Date : 16-JUN-2008 13:32 Cal File: S1375.D
Als bottle: 19
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TETRAT426001.sub
Target Version: 4.12
Processing Host: MIS_2

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	sample purged
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	CONCENTRATIONS FINAL (ug/l)	REVIEW CODE
$ 37 Dibromofluoromethane	113	8.243	8.249	(0.903)	188681	52.4641	52.5	
$ 45 1,2-Dichloroethane-D4	65	9.127	9.132	(1.000)	201323	48.7858	48.8	
$ 55 Toluene-D8	98	11.395	11.400	(1.158)	570567	53.9257	53.9	
$ 76 P-Bromofluorobenzene	95	14.884	14.878	(1.513)	237271	51.8646	51.9	
* 42 Pentafluorobenzene	168	9.127	9.132	(1.000)	346582	50.0000		
* 49 1,4-Difluorobenzene	114	9.836	9.842	(1.000)	525329	50.0000		
* 66 Chlorobenzene-D5	117	13.279	13.284	(1.000)	474441	50.0000		
* 91 1,4-Dichlorobenzene-D4	152	16.419	16.424	(1.000)	243216	50.0000		

Data File: \\Target_server\GG\chem\gcms-s.i\S062008.b\S1483.D
Report Date: 25-Jun-2008 15:54

Katahdin Analytical Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcms-s.i
Lab File ID: S1483.D
Lab Smp Id: SB3101-4
Analysis Type: VOA
Quant Type: ISTD
Operator: SKT
Calibration Date: 20-JUN-2008
Calibration Time: 07:52
Client Smp ID: AWD-GWMW401-061
Level: LOW
Sample Type: WATER
Method File: \\Target_server\GG\chem\gcms-s.i\S062008.b\s826a58.m
Misc Info: SW846 8260B

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 4

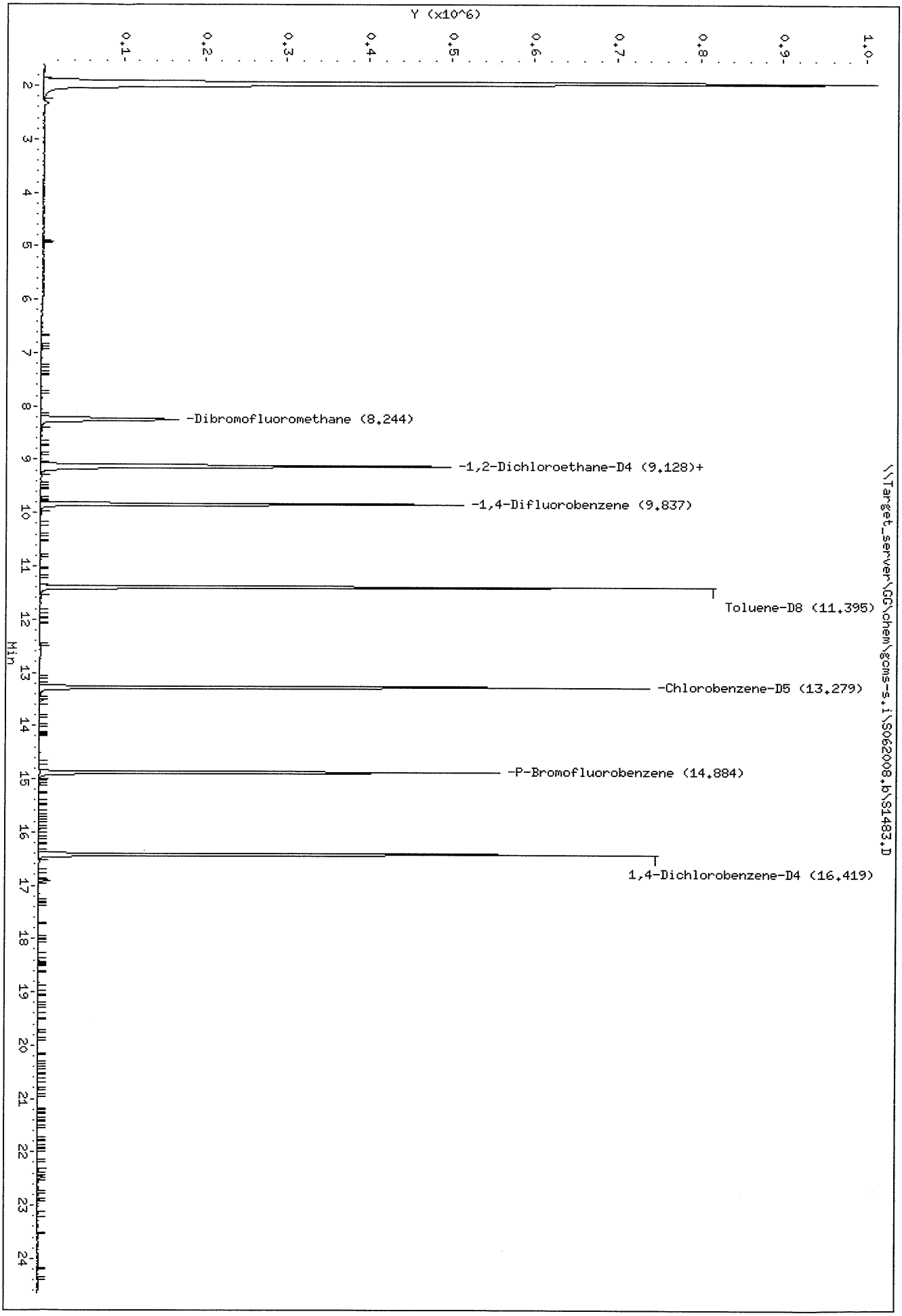
COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	334758	167379	669516	346582	3.53
49 1,4-Difluorobenze	508159	254080	1016318	525329	3.38
66 Chlorobenzene-D5	432696	216348	865392	474441	9.65
91 1,4-Dichlorobenze	230694	115347	461388	243216	5.43

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	9.12	8.62	9.62	9.13	0.09
49 1,4-Difluorobenze	9.84	9.34	10.34	9.84	-0.03
66 Chlorobenzene-D5	13.28	12.78	13.78	13.28	-0.02
91 1,4-Dichlorobenze	16.42	15.92	16.92	16.42	-0.02

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.

Data File: \\Target_server\GC\chem\gcms-s.i\S062008.b\S1483.D
Date : 20-JUN-2008 17:45
Client ID: AWD-GWW401-061108
Sample Info: SB3101-4

Instrument: gcms-s.i



KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 06/11/08
Received Date: 06/12/08
Extraction Date:
Analysis Date: 20-JUN-2008 18:16
Report Date: 06/26/2008
Matrix: WATER
% Solids: NA

Lab ID: SB3101-5
Client ID: AWD-GWMW303-061108
SDG: CTO426-3
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG52722
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
1634-04-4	Methyl tert-butyl ether	U	1	1.0	1	1	0.5
71-43-2	Benzene	U	1	1.0	1	1	0.3
108-88-3	Toluene	U	1	1.0	1	1	0.4
100-41-4	Ethylbenzene	J	0.5	1.0	1	1	0.3
1330-20-7	Xylenes (total)	J	2	1.0	3	3	0.3
	m+p-Xylenes	J	1	1.0	2	2	0.7
95-47-6	o-Xylene	J	0.9	1.0	1	1	0.3
98-82-8	Isopropylbenzene		7	1.0	1	1	0.4
91-20-3	Naphthalene		21	1.0	1	1	0.4
1868-53-7	Dibromofluoromethane		100%				
17060-07-0	1,2-Dichloroethane-D4		99%				
2037-26-5	Toluene-D8		105%				
460-00-4	P-Bromofluorobenzene		100%				

Data File: \\Target_server\GG\chem\gcms-s.i\S062008.b\S1484.D
Report Date: 25-Jun-2008 15:54

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gcms-s.i\S062008.b\S1484.D
Lab Smp Id: SB3101-5 Client Smp ID: AWD-GWMW303-061108
Inj Date : 20-JUN-2008 18:16 MS Autotune Date: 21-NOV-2007 15:16
Operator : SKT Inst ID: gcms-s.i
Smp Info : SB3101-5
Misc Info : SW846 8260B
Comment :
Method : \\Target_server\GG\chem\gcms-s.i\S062008.b\s826a58.m
Meth Date : 20-Jun-2008 08:05 tcote Quant Type: ISTD
Cal Date : 16-JUN-2008 13:32 Cal File: S1375.D
Als bottle: 20
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TETRAT426001.sub
Target Version: 4.12
Processing Host: MIS_2

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)	REVIEW CODE
68 Ethylbenzene	106	13.342	13.354	(1.004)	2300	0.52274	0.52(a)	
M 70 Xylenes (total)	106				12540	2.28136	2.3(a)	
71 m+p-Xylenes	106	13.528	13.540	(1.018)	7564	1.38973	1.4(a)	
72 o-Xylene	106	14.086	14.087	(1.060)	4976	0.89163	0.89(a)	
75 Isopropylbenzene	105	14.493	14.505	(0.882)	84671	7.22872	7.2	
101 Naphthalene	128	19.738	19.750	(1.202)	198598	20.6494	20.6	
$ 37 Dibromofluoromethane	113	8.248	8.249	(0.904)	187015	49.9908	50.0	
$ 45 1,2-Dichloroethane-D4	65	9.132	9.132	(1.001)	212979	49.6153	49.6	
$ 55 Toluene-D8	98	11.388	11.400	(1.157)	562119	52.3952	52.4	
$ 76 P-Bromofluorobenzene	95	14.877	14.878	(1.512)	232551	50.1324	50.1	
* 42 Pentafluorobenzene	168	9.120	9.132	(1.000)	360518	50.0000		
* 49 1,4-Difluorobenzene	114	9.841	9.842	(1.000)	532669	50.0000		
* 66 Chlorobenzene-D5	117	13.284	13.284	(1.000)	455171	50.0000		
* 91 1,4-Dichlorobenzene-D4	152	16.424	16.424	(1.000)	234487	50.0000		

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: \\Target_server\GG\chem\gcms-s.i\S062008.b\S1484.D
Report Date: 25-Jun-2008 15:54

Katahdin Analytical Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcms-s.i
Lab File ID: S1484.D
Lab Smp Id: SB3101-5
Analysis Type: VOA
Quant Type: ISTD
Operator: SKT
Method File: \\Target_server\GG\chem\gcms-s.i\S062008.b\s826a58.m
Misc Info: SW846 8260B

Calibration Date: 20-JUN-2008
Calibration Time: 07:52
Client Smp ID: AWD-GWMW303-061
Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 4

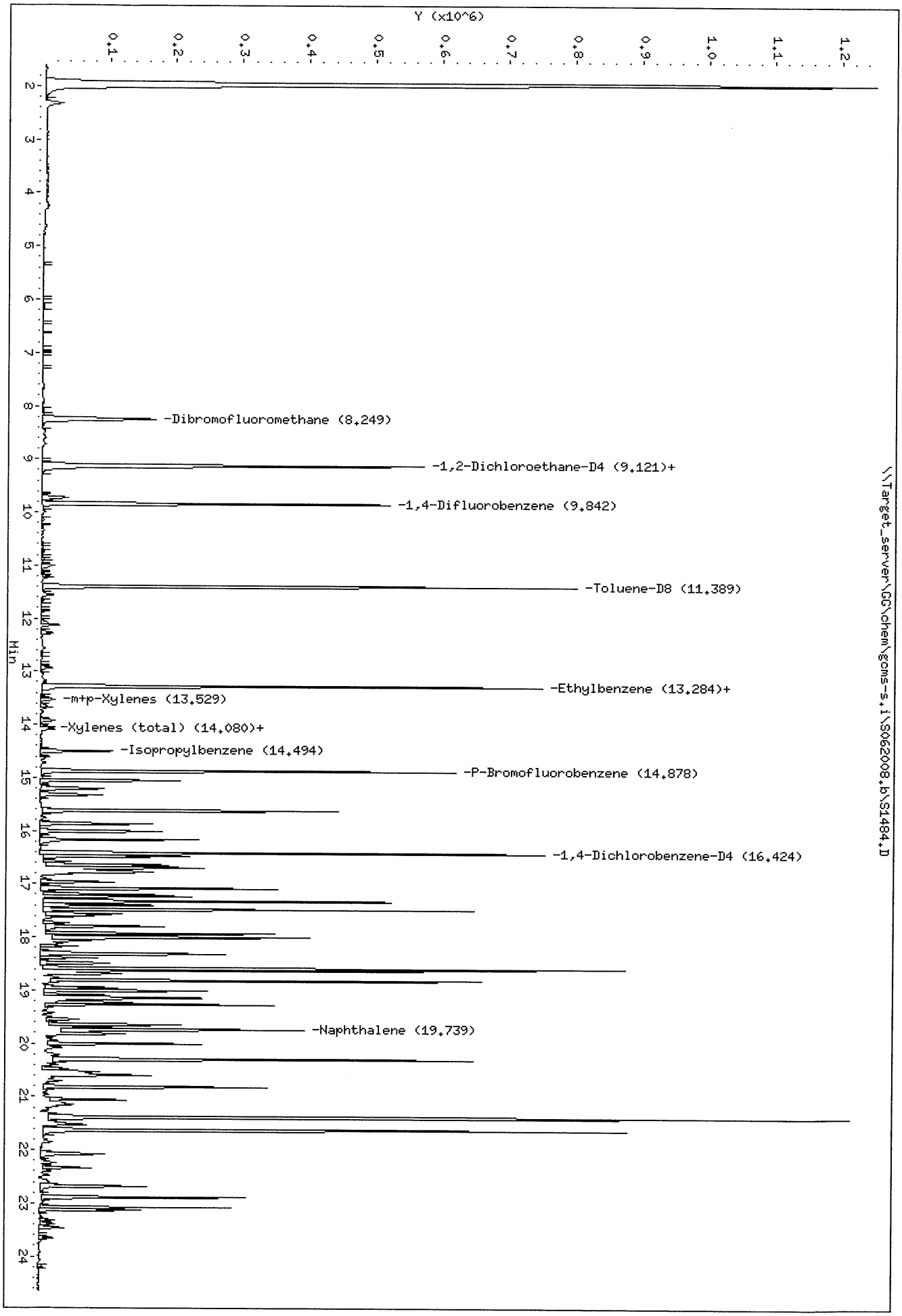
COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	334758	167379	669516	360518	7.70
49 1,4-Difluorobenze	508159	254080	1016318	532669	4.82
66 Chlorobenzene-D5	432696	216348	865392	455171	5.19
91 1,4-Dichlorobenze	230694	115347	461388	234487	1.64

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	9.12	8.62	9.62	9.12	0.02
49 1,4-Difluorobenze	9.84	9.34	10.34	9.84	0.02
66 Chlorobenzene-D5	13.28	12.78	13.78	13.28	0.01
91 1,4-Dichlorobenze	16.42	15.92	16.92	16.42	0.01

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.

Data File: \\Target_server\GC\chem\gcms-s.i\S062008.b\S1484.D
Date : 20-JUN-2008 18:16
Client ID: AWD-GWMW303-061108
Sample Info: SB3101-5

Instrument: gcms-s.i



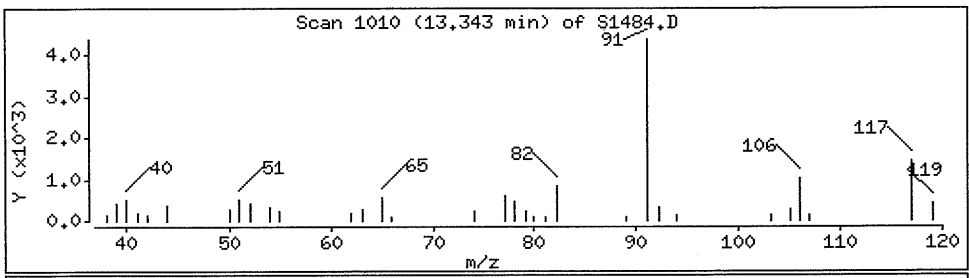
Data File: \\Target_server\GC\chem\gcms-s.i\S062008.b\S1484.D

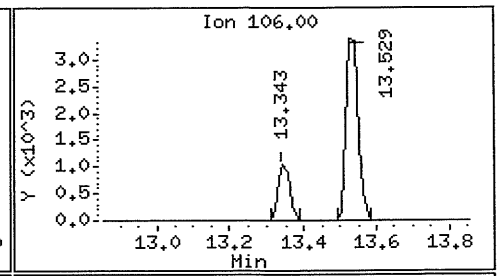
Date : 20-JUN-2008 18:16

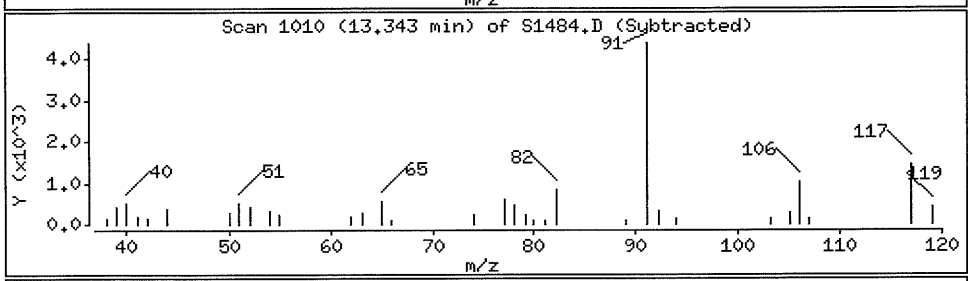
Client ID: AWD-GWMW303-061108 Instrument: gcms-s.i

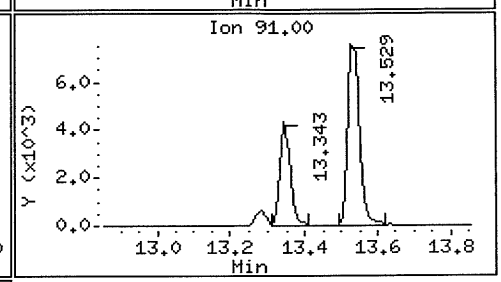
Sample Info: SB3101-5

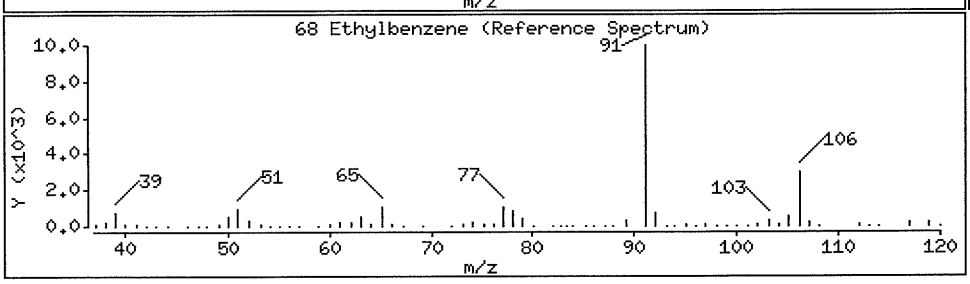
68 Ethylbenzene Concentration: 0.52 ug/l



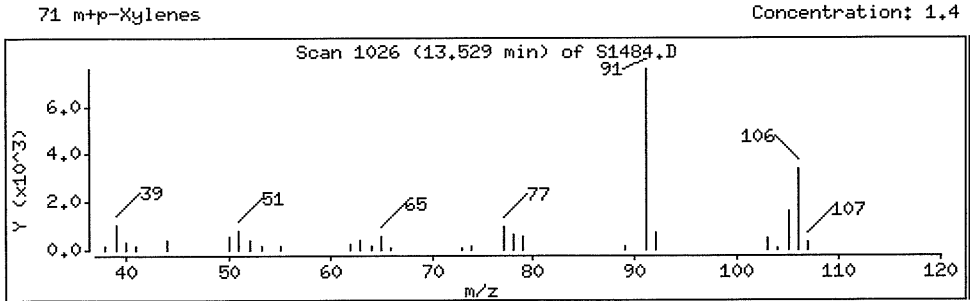


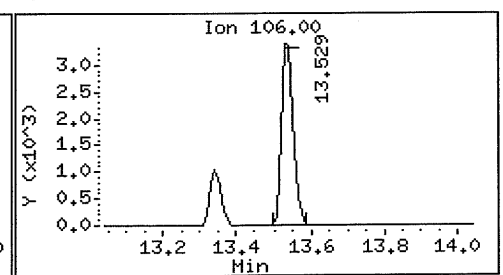


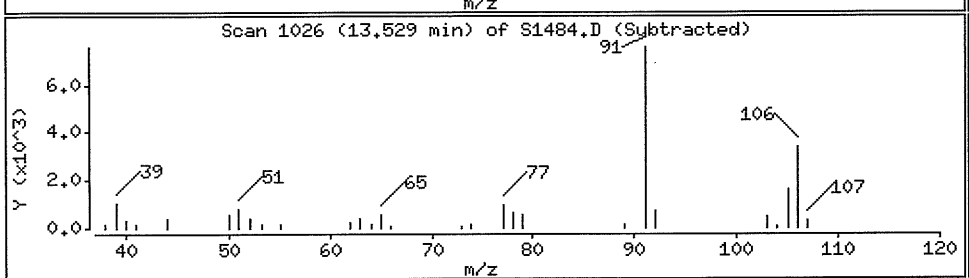


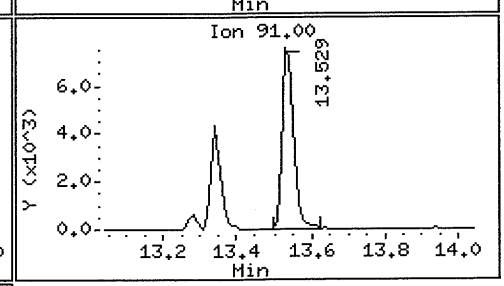


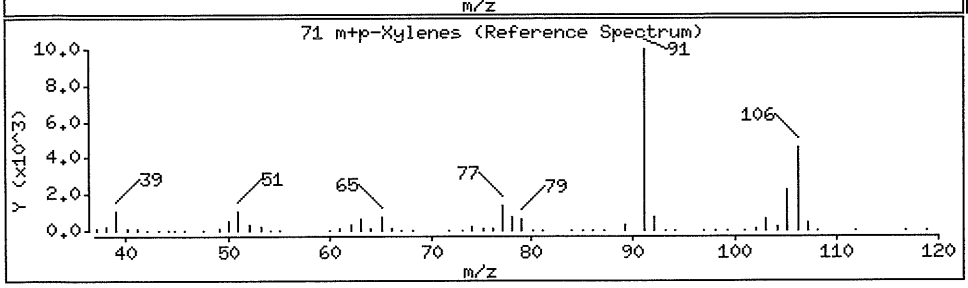
71 m+p-Xylenes Concentration: 1.4 ug/l











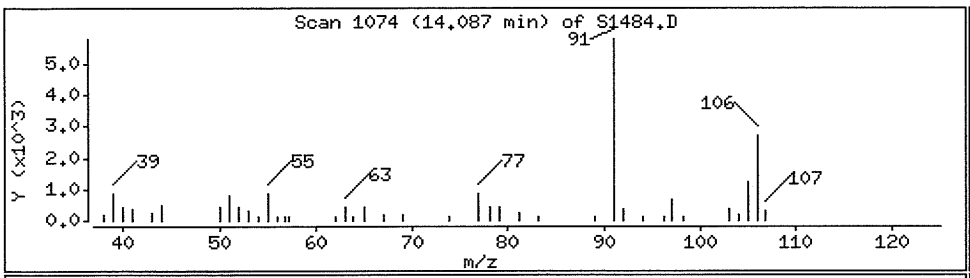
Data File: \\Target_server\GC\chem\gcms-s.i\S062008.b\S1484.D

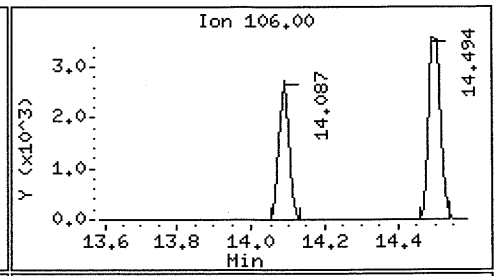
Date : 20-JUN-2008 18:16

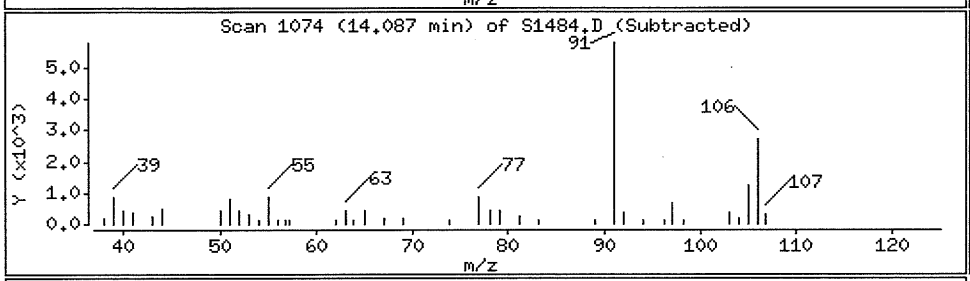
Client ID: AWD-GWMW303-061108 Instrument: gcms-s.i

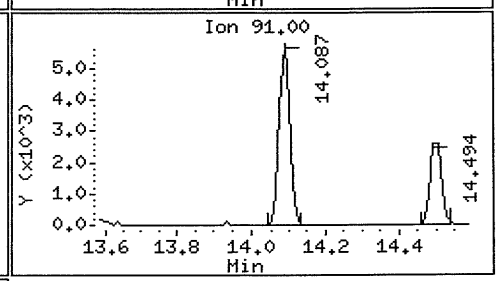
Sample Info: SB3101-5

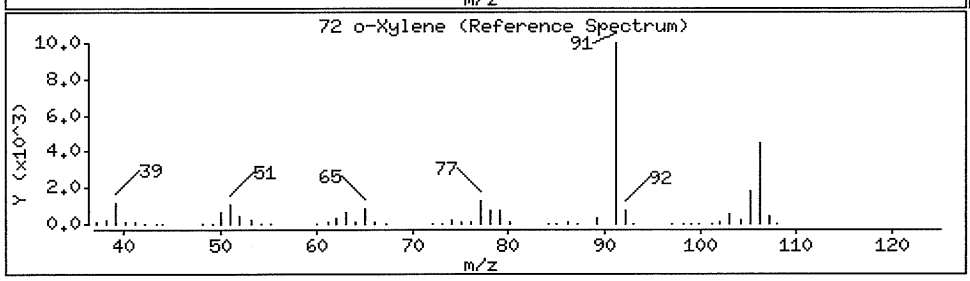
72 o-Xylene Concentration: 0.89 ug/l



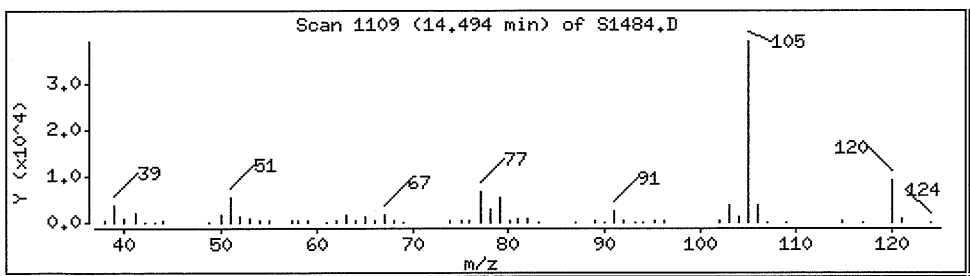


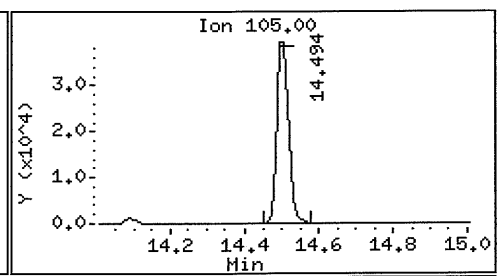


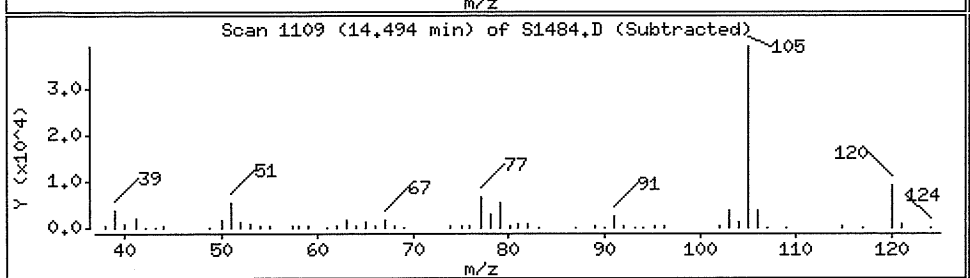


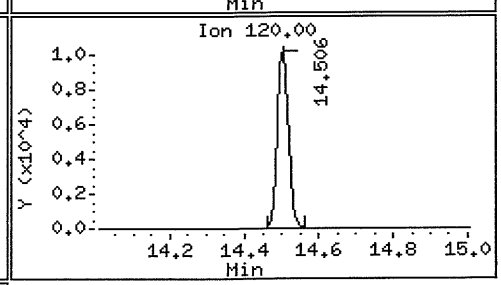


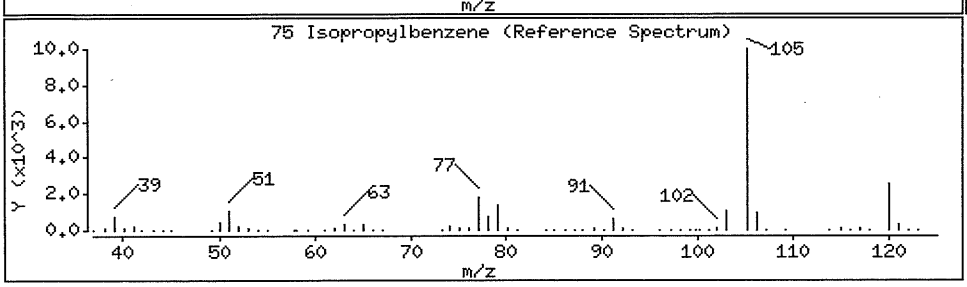
75 Isopropylbenzene Concentration: 7.2 ug/l











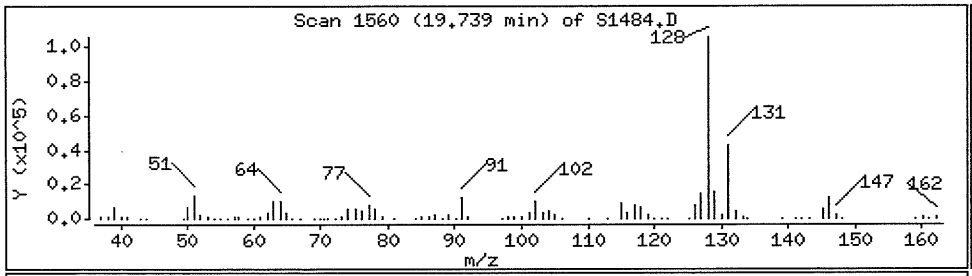
Data File: \\Target_server\GC\chem\gcms-s.i\S062008.b\S1484.D

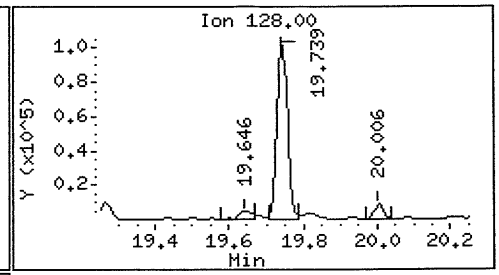
Date : 20-JUN-2008 18:16

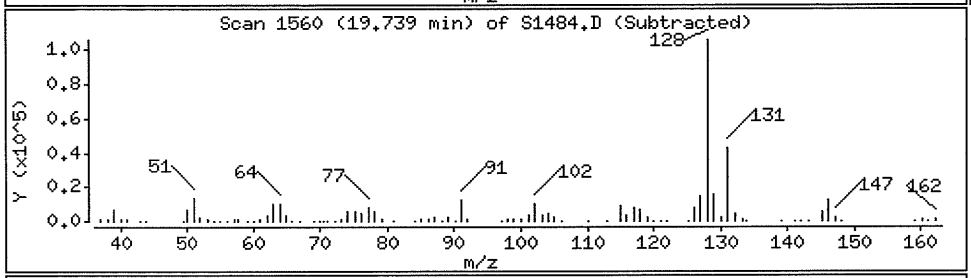
Client ID: AWD-GWMW303-061108 Instrument: gcms-s.i

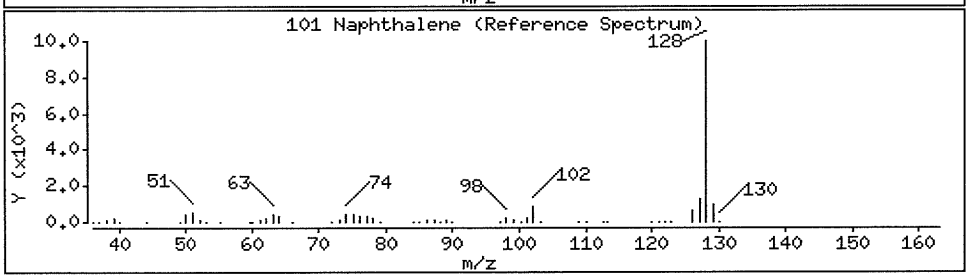
Sample Info: SB3101-5

101 Naphthalene Concentration: 20.6 ug/l









KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 06/11/08
Received Date: 06/12/08
Extraction Date:
Analysis Date: 20-JUN-2008 18:48
Report Date: 06/26/2008
Matrix: WATER
% Solids: NA

Lab ID: SB3101-6
Client ID: AWD-GW-DUP02
SDG: CTO426-3
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG52722
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
1634-04-4	Methyl tert-butyl ether	U	1	1.0	1	1	0.5
71-43-2	Benzene	U	1	1.0	1	1	0.3
108-88-3	Toluene	U	1	1.0	1	1	0.4
100-41-4	Ethylbenzene	U	1	1.0	1	1	0.3
1330-20-7	Xylenes (total)	U	3	1.0	3	3	0.3
	m+p-Xylenes	U	2	1.0	2	2	0.7
95-47-6	o-Xylene	U	1	1.0	1	1	0.3
98-82-8	Isopropylbenzene	U	1	1.0	1	1	0.4
91-20-3	Naphthalene	U	1	1.0	1	1	0.4
1868-53-7	Dibromofluoromethane		108%				
17060-07-0	1,2-Dichloroethane-D4		96%				
2037-26-5	Toluene-D8		100%				
460-00-4	P-Bromofluorobenzene		100%				

Data File: \\Target_server\GG\chem\gcms-s.i\S062008.b\S1485.D
Report Date: 25-Jun-2008 15:55

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gcms-s.i\S062008.b\S1485.D
Lab Smp Id: SB3101-6 Client Smp ID: AWD-GW-DUP02
Inj Date : 20-JUN-2008 18:48 MS Autotune Date: 21-NOV-2007 15:16
Operator : SKT Inst ID: gcms-s.i
Smp Info : SB3101-6
Misc Info : SW846 8260B
Comment :
Method : \\Target_server\GG\chem\gcms-s.i\S062008.b\s826a58.m
Meth Date : 20-Jun-2008 08:05 tcote Quant Type: ISTD
Cal Date : 16-JUN-2008 13:32 Cal File: S1375.D
Als bottle: 21
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TETRAT426001.sub
Target Version: 4.12
Processing Host: MIS_2

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)	REVIEW CODE
$ 37 Dibromofluoromethane	113	8.247	8.249	(0.904)	196131	53.9502	54.0	
$ 45 1,2-Dichloroethane-D4	65	9.131	9.132	(1.001)	200730	48.1199	48.1	
$ 55 Toluene-D8	98	11.387	11.400	(1.157)	565413	49.8653	49.9	
$ 76 P-Bromofluorobenzene	95	14.876	14.878	(1.512)	245624	50.1004	50.1	
* 42 Pentafluorobenzene	168	9.119	9.132	(1.000)	350343	50.0000		
* 49 1,4-Difluorobenzene	114	9.840	9.842	(1.000)	562973	50.0000		
* 66 Chlorobenzene-D5	117	13.282	13.284	(1.000)	466048	50.0000		
* 91 1,4-Dichlorobenzene-D4	152	16.422	16.424	(1.000)	246200	50.0000		

Data File: \\Target_server\GG\chem\gcms-s.i\S062008.b\S1485.D
Report Date: 25-Jun-2008 15:55

Katahdin Analytical Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcms-s.i
Lab File ID: S1485.D
Lab Smp Id: SB3101-6
Analysis Type: VOA
Quant Type: ISTD
Operator: SKT
Method File: \\Target_server\GG\chem\gcms-s.i\S062008.b\s826a58.m
Misc Info: SW846 8260B

Calibration Date: 20-JUN-2008
Calibration Time: 07:52
Client Smp ID: AWD-GW-DUP02
Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 4

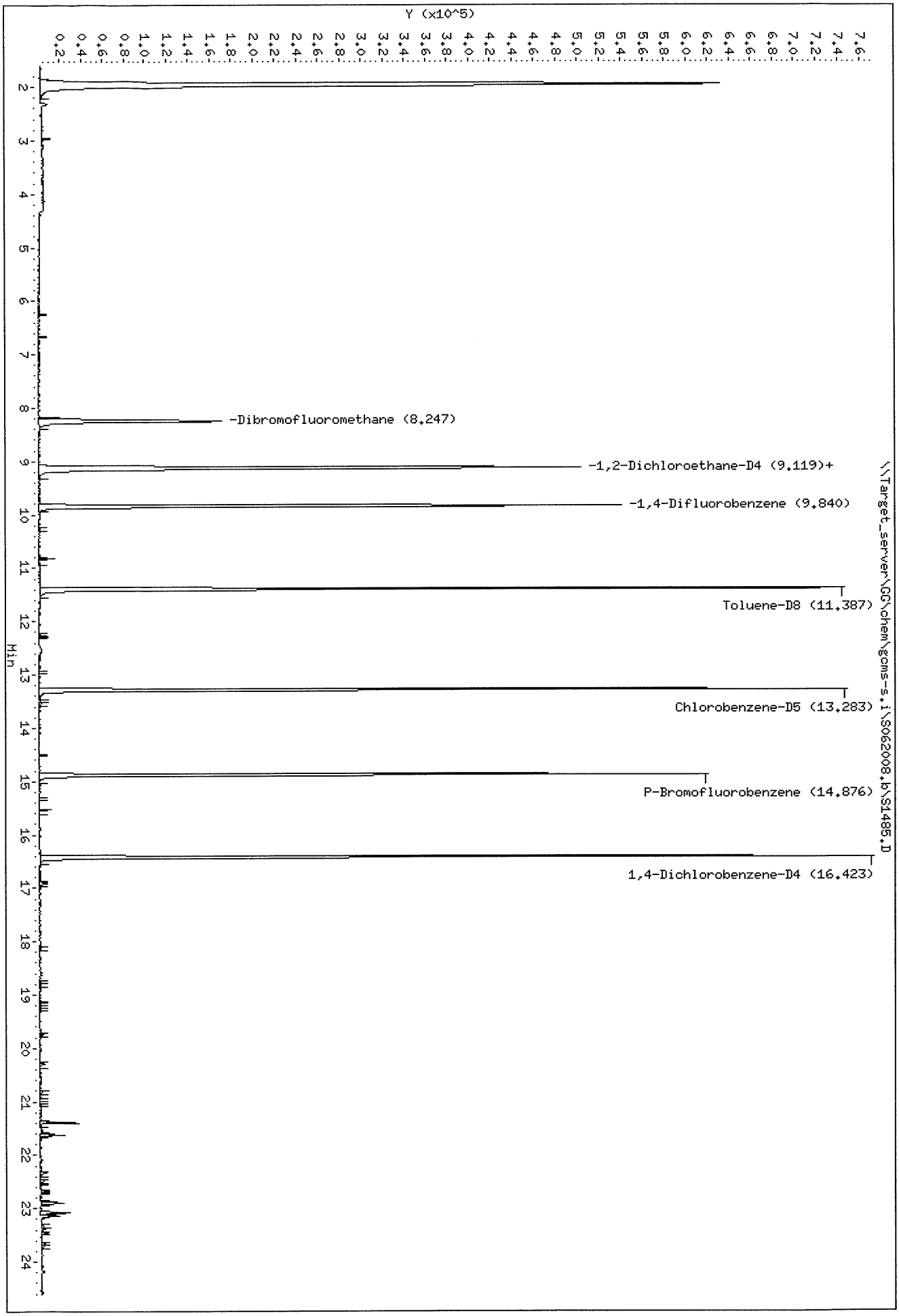
COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	334758	167379	669516	350343	4.66
49 1,4-Difluorobenze	508159	254080	1016318	562973	10.79
66 Chlorobenzene-D5	432696	216348	865392	466048	7.71
91 1,4-Dichlorobenze	230694	115347	461388	246200	6.72

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	9.12	8.62	9.62	9.12	0.00
49 1,4-Difluorobenze	9.84	9.34	10.34	9.84	0.00
66 Chlorobenzene-D5	13.28	12.78	13.78	13.28	0.00
91 1,4-Dichlorobenze	16.42	15.92	16.92	16.42	0.00

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.

Data File: \\Target_server\GC\chem\gcms-s.i\S062008.b\S1485.D
Date : 20-JUN-2008 18:48
Client ID: AWD-GW-DUP02
Sample Info: SB3101-6

Instrument: gcms-s.i



Standards Data Section

FORM 6
VOLATILE INITIAL CALIBRATION DATA

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project CTO 426 NLON SDG No.: CTO426-3

Instrument ID: GCMS-F Calibration Date(s): 06/13/08 06/13/08

Column: RTX-VMS ID: 0.18 (mm) Calibration Time(s): 1506 1740

LAB FILE ID: RF1: F0839 RF5: F0838 RF20: F0837
RF50: F0836 RF100: F0835 RF200: F0834

COMPOUND	RF1	RF5	RF20	RF50	RF100	RF200	CURVE	COEFFICENTS A0	COEFFICENTS A1	%RSD OR R^2	MAX %RSD OR R^2
Methyl tert-butyl ether	1.124	1.295	1.342	1.454	1.384	1.466	AVRG		1.34425014	9.384	15.000
Benzene	1.218	1.271	1.296	1.405	1.339	1.453	AVRG		1.33035301	6.545	15.000
Toluene	0.688	0.819	0.808	0.832	0.814	0.834	AVRG		0.79916907	6.930	15.000
Ethylbenzene	0.482	0.501	0.530	0.548	0.519	0.553	AVRG		0.52211659	5.194	15.000
Xylenes (total)							AVRG				0.000
m+p-Xylenes	0.537	0.596	0.654	0.682	0.670	0.679	AVRG		0.63628343	9.115	15.000
o-Xylene	0.458	0.530	0.590	0.650	0.631	0.672	AVRG		0.58835775	13.785	15.000
Isopropylbenzene	10807	70532	341200	948240	1804100	3840500	LINR	2.545e-002	0.35612108	0.99819	0.99000
Naphthalene	1.174	1.374	1.526	1.705	1.477	1.538	AVRG		1.46572005	12.184	15.000
Dibromofluoromethane	0.623	0.531	0.556	0.567	0.581	0.552	AVRG		0.56837795	5.567	15.000
1,2-Dichloroethane-D4	0.763	0.609	0.616	0.623	0.631	0.610	AVRG		0.64194119	9.301	15.000
Toluene-D8	1.350	1.178	1.305	1.359	1.377	1.295	AVRG		1.31064194	5.532	15.000
P-Bromofluorobenzene	0.452	0.413	0.457	0.481	0.487	0.458	AVRG		0.45800606	5.701	15.000

Average %RSD test result.

Calculate Average %RSD: 9.866069794
Maximum Average %RSD: 15.00000000

Note: Passes Average %RSD Test.

FORM VI VOA

Data File: \\Target_server\GG\chem\gcms-f.i\F061308.b\F0834.D
Report Date: 25-Jun-2008 14:33

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gcms-f.i\F061308.b\F0834.D
Lab Smp Id: VSTD200F13A
Inj Date : 13-JUN-2008 15:06
Operator : SKT Inst ID: gcms-f.i
Smp Info : VSTD200F13A
Misc Info : SW846 8260B
Comment :
Method : \\target_server\GG\chem\gcms-f.i\F061308.b\F826a08.m
Meth Date : 20-Jun-2008 13:40 sthompson Quant Type: ISTD
Cal Date : 13-JUN-2008 15:06 Cal File: F0834.D
Als bottle: 2 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.12
Processing Host: V200T1

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	sample purged
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)	REVIEW CODE
1 Dichlorodifluoromethane	85	1.883	1.883	(0.221)	1111796	200.000	211(A)	
2 Chloromethane	50	2.068	2.080	(0.243)	1704990	200.000	202(A)	
3 Vinyl chloride	62	2.161	2.161	(0.254)	1495808	200.000	206(A)	
4 Bromomethane	94	2.486	2.498	(0.292)	728388	200.000	201(A)	
5 Chloroethane	64	2.626	2.626	(0.308)	746345	200.000	196	
6 Trichlorofluoromethane	101	2.777	2.777	(0.326)	1191524	200.000	210(A)	
7 Diethyl Ether	59	3.125	3.125	(0.367)	943374	200.000	196	
8 Tertiary-butyl alcohol	59	4.704	4.704	(0.552)	352283	1000.00	987	
9 1,1-Dichloroethene	96	3.345	3.346	(0.393)	935715	200.000	205(A)	
10 Carbon Disulfide	76	3.380	3.380	(0.397)	2818548	200.000	204(A)	
11 Freon-113	151	3.403	3.404	(0.399)	612578	200.000	203(A)	
12 Iodomethane	142	3.520	3.520	(0.413)	1381789	200.000	209(A)	
13 Acrolein	56	3.775	3.775	(0.443)	1016035	1000.00	1020(A)	
14 Methylene Chloride	84	4.088	4.089	(0.480)	1136931	200.000	191	
15 Acetone	43	4.193	4.192	(0.492)	1913931	1000.00	1030(A)	
16 Isobutyl Alcohol	43	8.872	8.872	(1.041)	728745	4000.00	4200(A)	
17 trans-1,2-Dichloroethene	96	4.321	4.320	(0.507)	1211312	200.000	202(A)	
18 Allyl Chloride	41	3.949	3.949	(0.463)	2118633	200.000	208(A)	
19 Methyl tert-butyl ether	73	4.506	4.507	(0.529)	6271826	400.000	402(A)	
20 Acetonitrile	39	4.866	4.866	(0.571)	369802	2000.00	2020(A)	
21 Di-isopropyl ether	45	5.145	5.145	(0.604)	5168960	200.000	202(A)	
22 Chloroprene	53	5.261	5.261	(0.617)	2036507	200.000	201(A)	
23 Propionitrile	54	8.361	8.337	(0.981)	1707278	2000.00	1960	

Data File: \\Target_server\GG\chem\gcms-f.i\F061308.b\F0834.D
Report Date: 25-Jun-2008 14:33

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)	REVIEW CODE
	24 Methacrylonitrile	41	8.396	8.372	(0.985)	9430452	2000.00	1970	
	25 1,1-Dichloroethane	63	5.296	5.296	(0.621)	2188898	200.000	202(A)	
	26 Acrylonitrile	52	5.412	5.412	(0.635)	2194650	1000.00	998	
	27 Ethyl tertiary-butyl ether	59	5.830	5.818	(0.684)	3976673	200.000	198	
	28 Vinyl Acetate	43	5.830	5.830	(0.624)	3274601	200.000	201(A)	
	29 cis-1,2-Dichloroethene	96	6.341	6.341	(0.744)	1294412	200.000	204(A)	
M	30 1,2-Dichloroethylene (total)	96				2505724	200.000	406	
	31 Methyl Methacrylate	41	10.334	10.335	(1.106)	1179996	200.000	200(A)	
	32 2,2-Dichloropropane	77	6.561	6.561	(0.770)	1204732	200.000	205(A)	
	33 Bromochloromethane	128	6.770	6.759	(0.794)	521142	200.000	199	
	34 Chloroform	83	6.991	6.991	(0.820)	1852424	200.000	204(A)	
	35 Carbon Tetrachloride	117	7.235	7.235	(0.774)	1138241	200.000	205(A)	
	36 Tetrahydrofuran	42	7.339	7.339	(0.861)	1964329	1000.00	1020(A)	
$	37 Dibromofluoromethane	113	7.409	7.409	(0.869)	1180026	200.000	197	
	38 1,1,1-Trichloroethane	97	7.409	7.409	(0.869)	1449234	200.000	207(A)	
	39 1,1-Dichloropropene	75	7.699	7.699	(0.824)	1511322	200.000	203(A)	
	40 2-Butanone	43	7.745	7.746	(0.909)	3273142	1000.00	1020(A)	
	41 Benzene	78	8.233	8.233	(0.881)	4929882	200.000	203(A)	
*	42 Pentafluorobenzene	168	8.523	8.512	(1.000)	534735	50.0000		
	43 Cyclohexane	56	6.735	6.736	(0.790)	1592501	200.000	207(A)	
	44 Ethyl Methacrylate	69	11.786	11.774	(1.261)	1513294	200.000	202(A)	
$	45 1,2-Dichloroethane-D4	65	8.512	8.500	(0.999)	1303867	200.000	198	
	46 Tertiary-amyl methyl ether	73	8.558	8.558	(1.004)	3264140	200.000	200	
	47 1,2-Dichloroethane	62	8.628	8.628	(0.923)	1482958	200.000	203(A)	
	48 Trichloroethene	95	9.255	9.255	(0.990)	1150019	200.000	202(A)	
*	49 1,4-Difluorobenzene	114	9.348	9.348	(1.000)	848046	50.0000		
	50 Dibromomethane	93	9.835	9.835	(1.052)	668912	200.000	202(A)	
	51 1,2-Dichloropropane	63	9.975	9.975	(1.067)	1230203	200.000	201(A)	
	52 Bromodichloromethane	83	10.079	10.079	(1.078)	1499185	200.000	205(A)	
	53 cis-1,3-dichloropropene	75	10.834	10.834	(1.159)	1899745	200.000	204(A)	
	54 1,4-Dioxane	88	10.346	10.346	(1.107)	107347	4000.00	2640	
$	55 Toluene-D8	98	11.031	11.031	(1.180)	4392547	200.000	195	
	56 2-Chloroethylvinylether	63	10.799	10.799	(1.155)	785864	200.000	202(A)	
	57 Toluene	92	11.089	11.078	(1.186)	2829198	200.000	200(A)	
	58 4-methyl-2-pentanone	43	11.530	11.530	(1.233)	6445748	1000.00	963	
	59 Tetrachloroethene	164	11.495	11.484	(0.894)	880209	200.000	196	
	60 trans-1,3-Dichloropropene	75	11.565	11.554	(1.237)	1547179	200.000	200	
	61 1,1,2-Trichloroethane	83	11.728	11.728	(1.255)	858592	200.000	203(A)	
	62 Dibromochloromethane	129	11.937	11.925	(0.929)	1068944	200.000	207(A)	
	63 1,3-Dichloropropane	76	12.053	12.041	(0.938)	1788111	200.000	205(A)	
	64 1,2-Dibromoethane	107	12.204	12.204	(1.306)	1041246	200.000	200(A)	
	65 2-Hexanone	43	12.540	12.540	(0.976)	4630705	1000.00	1010(A)	
*	66 Chlorobenzene-D5	117	12.854	12.854	(1.000)	702146	50.0000		
	67 Chlorobenzene	112	12.877	12.877	(1.002)	2991184	200.000	201(A)	
	152 1-Chlorohexane	91	12.877	12.877	(1.511)	1364908	200.000	200(A)	
	68 Ethylbenzene	106	12.935	12.923	(1.006)	1552155	200.000	201(A)	
	69 1,1,1,2-Tetrachloroethane	131	12.970	12.958	(1.009)	981701	200.000	202(A)	
M	70 Xylenes (total)	106				5698367	600.000	602	
	71 m+p-Xylenes	106	13.121	13.121	(1.021)	3811991	400.000	399	
	72 o-Xylene	106	13.666	13.666	(1.063)	1886376	200.000	203(A)	
	73 Styrene	104	13.736	13.736	(1.069)	3364968	200.000	203(A)	
	74 Bromoform	173	13.748	13.748	(1.070)	696924	200.000	202(A)	
	75 Isopropylbenzene	105	14.084	14.073	(0.882)	3840509	200.000	200(A)	
$	76 P-Bromofluorobenzene	95	14.433	14.433	(1.544)	1552058	200.000	195	

Data File: \\Target_server\GG\chem\gcms-f.i\F061308.b\F0834.D
Report Date: 25-Jun-2008 14:33

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)	REVIEW CODE
77 cis-1,4-Dichloro-2-Butene	53	14.537	14.537	(0.910)	412531	200.000	198	
78 trans-1,4-Dichloro-2-Butene	53	14.967	14.967	(0.937)	401233	200.000	198	
79 Bromobenzene	156	14.572	14.572	(0.912)	1155777	200.000	202(A)	
80 N-Propylbenzene	91	14.630	14.630	(0.916)	4982668	200.000	200(A)	
81 1,1,2,2-Tetrachloroethane	83	14.723	14.723	(0.922)	1174579	200.000	196	
82 1,3,5-Trimethylbenzene	105	14.909	14.909	(0.933)	3353246	200.000	200(A)	
83 2-Chlorotoluene	91	14.827	14.827	(0.928)	3171007	200.000	199	
84 1,2,3-Trichloropropane	75	14.897	14.897	(0.932)	957545	200.000	198	
85 4-Chlorotoluene	91	15.060	15.060	(0.943)	3290803	200.000	199	
86 tert-Butylbenzene	119	15.338	15.338	(0.960)	3014388	200.000	201(A)	
87 Pentachloroethane	117	15.350	15.350	(0.961)	706139	200.000	204(A)	
88 1,2,4-Trimethylbenzene	105	15.443	15.443	(0.967)	3563964	200.000	198	
89 P-Isopropyltoluene	119	15.803	15.803	(0.989)	2872480	200.000	197	
90 1,3-Dichlorobenzene	146	15.872	15.861	(0.993)	1986181	200.000	202(A)	
* 91 1,4-Dichlorobenzene-D4	152	15.977	15.977	(1.000)	339489	50.0000		
92 1,4-Dichlorobenzene	146	16.000	16.000	(1.001)	2052789	200.000	201(A)	
93 N-Butylbenzene	91	16.395	16.395	(1.026)	2608490	200.000	204(A)	
94 sec-Butylbenzene	105	15.594	15.582	(0.976)	3673218	200.000	196	
95 1,2-Dichlorobenzene	146	16.592	16.591	(1.039)	1879840	200.000	199	
96 1,2-Dibromo-3-Chloropropane	75	17.765	17.765	(1.112)	152399	200.000	196	
97 1,3,5-Trichlorobenzene	180	17.823	17.823	(1.116)	1098058	200.000	198	
98 Hexachlorobutadiene	225	18.763	18.763	(1.174)	378028	200.000	191	
99 1,2,4-Trichlorobenzene	180	18.786	18.786	(1.176)	984816	200.000	198	
100 1,2,3-Trimethylbenzene	105	16.046	16.046	(1.004)	3729763	200.000	200(A)	
101 Naphthalene	128	19.285	19.286	(1.207)	2088144	200.000	190	
102 1,2,3-Trichlorobenzene	180	19.564	19.564	(1.225)	706333	200.000	189	
103 Methyl Acetate	43	4.379	4.379	(0.514)	1238210	200.000	201(A)	
104 Methylcyclohexane	83	9.220	9.220	(1.082)	1233629	200.000	209(A)	
M 153 Total Alkylbenzenes	100				24068454	200.000	1400	

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.

Data File: \\Target_server\GG\chem\gcms-f.i\F061308.b\F0834.D
Report Date: 25-Jun-2008 14:33

Katahdin Analytical Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcms-f.i
Lab File ID: F0834.D
Lab Smp Id: VSTD200F13A
Analysis Type: VOA
Quant Type: ISTD
Operator: SKT
Method File: \\target_server\GG\chem\gcms-f.i\F061308.b\F826a08.m
Misc Info: SW846 8260B

Calibration Date: 13-JUN-2008
Calibration Time: 16:08

Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 4

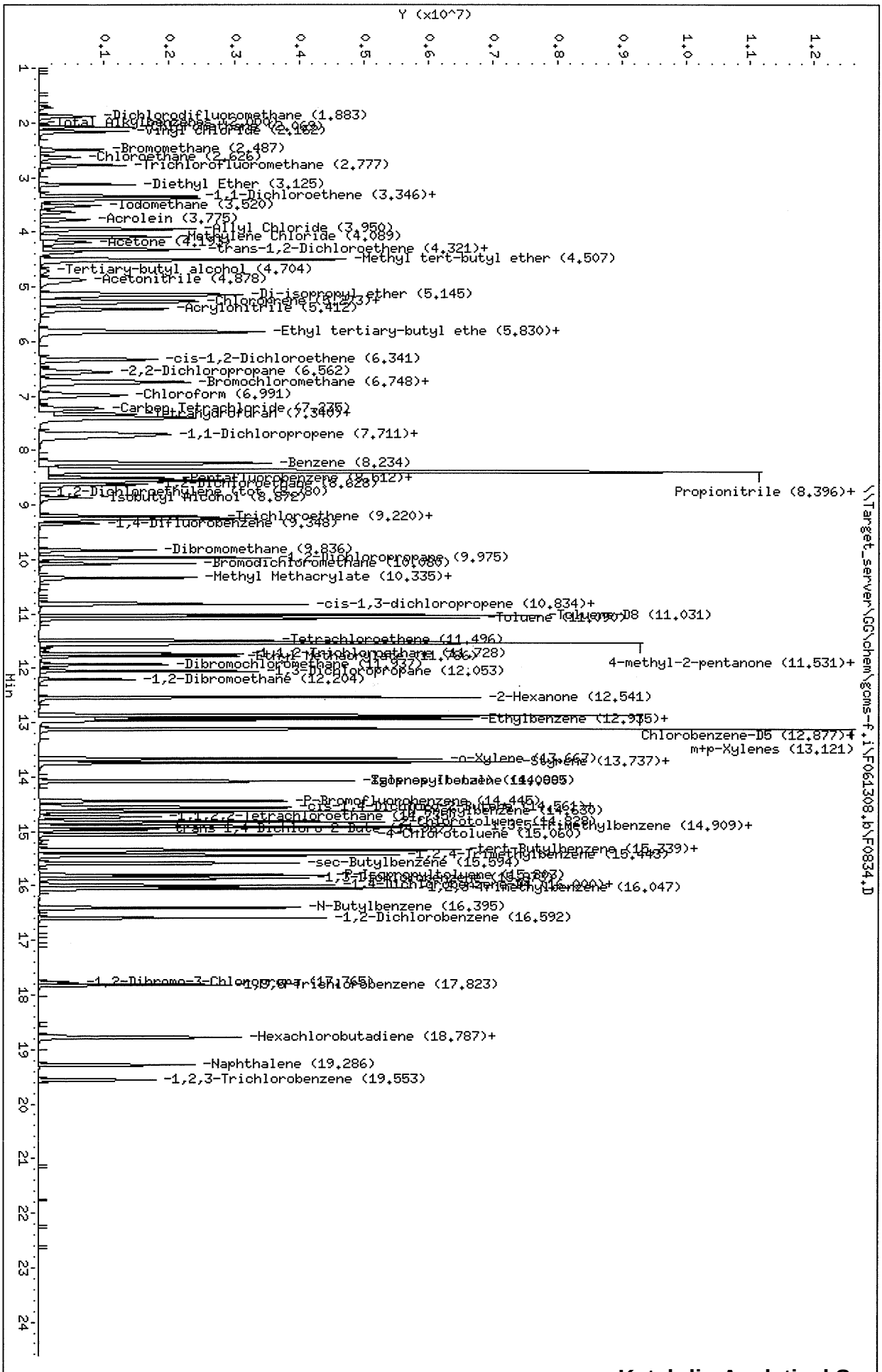
COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	549958	274979	1099916	534735	-2.77
49 1,4-Difluorobenze	859297	429649	1718594	848046	-1.31
66 Chlorobenzene-D5	720945	360473	1441890	702146	-2.61
91 1,4-Dichlorobenze	335414	167707	670828	339489	1.21

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	8.51	8.01	9.01	8.52	0.14
49 1,4-Difluorobenze	9.35	8.85	9.85	9.35	0.00
66 Chlorobenzene-D5	12.85	12.35	13.35	12.85	0.00
91 1,4-Dichlorobenze	15.98	15.48	16.48	15.98	0.00

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.

Data File: \\Target_server\GC\chem\gcms-f.i\F061308.b\F0834.D
Date : 13-JUN-2008 15:06
Client ID:
Sample Info: VSTD200F13A
Purge Volume: 5.0
Column phase: RTX-VMS

Instrument: gcms-f.i
Operator: SKT
Column diameter: 0.18



Data File: \\Target_server\GG\chem\gcms-f.i\F061308.b\F0835.D
Report Date: 25-Jun-2008 14:33

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gcms-f.i\F061308.b\F0835.D
Lab Smp Id: VSTD100F13A
Inj Date : 13-JUN-2008 15:37
Operator : SKT Inst ID: gcms-f.i
Smp Info : VSTD100F13A
Misc Info : SW846 8260B
Comment :
Method : \\target_server\GG\chem\gcms-f.i\F061308.b\F826a08.m
Meth Date : 20-Jun-2008 13:40 sthompson Quant Type: ISTD
Cal Date : 13-JUN-2008 15:37 Cal File: F0835.D
Als bottle: 3 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.12
Processing Host: V200T1

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	sample purged
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)	REVIEW CODE
1 Dichlorodifluoromethane	85	1.884	1.883	(0.221)	466398	100.000	89.1	
2 Chloromethane	50	2.082	2.080	(0.245)	834382	100.000	96.0	
3 Vinyl chloride	62	2.163	2.161	(0.254)	636550	100.000	88.3	
4 Bromomethane	94	2.488	2.498	(0.292)	347926	100.000	94.1	
5 Chloroethane	64	2.627	2.626	(0.309)	368022	100.000	94.7	
6 Trichlorofluoromethane	101	2.778	2.777	(0.326)	491818	100.000	87.8	
7 Diethyl Ether	59	3.127	3.125	(0.367)	467550	100.000	95.0	
8 Tertiary-butyl alcohol	59	4.705	4.704	(0.553)	175700	500.000	210	
9 1,1-Dichloroethene	96	3.347	3.346	(0.393)	423088	100.000	91.8	
10 Carbon Disulfide	76	3.370	3.380	(0.396)	1312913	100.000	93.6	
11 Freon-113	151	3.405	3.404	(0.400)	288602	100.000	94.1	
12 Iodomethane	142	3.521	3.520	(0.414)	671872	100.000	97.8	
13 Acrolein	56	3.777	3.775	(0.444)	480959	500.000	209	
14 Methylene Chloride	84	4.090	4.089	(0.480)	649967	100.000	103	
15 Acetone	43	4.183	4.192	(0.491)	909510	500.000	210	
16 Isobutyl Alcohol	43	8.862	8.872	(1.041)	347041	2000.00	272	
17 trans-1,2-Dichloroethene	96	4.322	4.320	(0.508)	575686	100.000	94.1	
18 Allyl Chloride	41	3.951	3.949	(0.464)	1061653	100.000	99.7	
19 Methyl tert-butyl ether	73	4.508	4.507	(0.530)	3105591	200.000	146	
20 Acetonitrile	39	4.868	4.866	(0.572)	177799	1000.00	247	
21 Di-isopropyl ether	45	5.147	5.145	(0.605)	2706834	100.000	100	
22 Chloroprene	53	5.263	5.261	(0.618)	997444	100.000	95.8	
23 Propionitrile	54	8.339	8.337	(0.980)	863057	1000.00	248	

Data File: \\Target_server\GG\chem\gcms-f.i\F061308.b\F0835.D
Report Date: 25-Jun-2008 14:33

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)	REVIEW CODE
	24 Methacrylonitrile	41	8.374	8.372	(0.984)	4863669	1000.00	248	
	25 1,1-Dichloroethane	63	5.298	5.296	(0.622)	1061899	100.000	95.6	
	26 Acrylonitrile	52	5.414	5.412	(0.636)	1094286	500.000	211	
	27 Ethyl tertiary-butyl ether	59	5.820	5.818	(0.684)	2081630	100.000	99.4	
	28 Vinyl Acetate	43	5.832	5.830	(0.624)	1522845	100.000	94.3	
	29 cis-1,2-Dichloroethene	96	6.342	6.341	(0.745)	634827	100.000	96.8	
M	30 1,2-Dichloroethylene (total)	96				1210513	100.000	191	
	31 Methyl Methacrylate	41	10.336	10.335	(1.106)	596824	100.000	99.4	
	32 2,2-Dichloropropane	77	6.563	6.561	(0.771)	565374	100.000	94.3	
	33 Bromochloromethane	128	6.760	6.759	(0.794)	258509	100.000	96.1	
	34 Chloroform	83	6.981	6.991	(0.820)	908140	100.000	96.9	
	35 Carbon Tetrachloride	117	7.236	7.235	(0.774)	513416	100.000	93.5	
	36 Tetrahydrofuran	42	7.341	7.339	(0.862)	963469	500.000	211	
$	37 Dibromofluoromethane	113	7.411	7.409	(0.870)	652002	100.000	102	
	38 1,1,1-Trichloroethane	97	7.411	7.409	(0.870)	670100	100.000	93.9	
	39 1,1-Dichloropropene	75	7.701	7.699	(0.824)	697275	100.000	94.3	
	40 2-Butanone	43	7.747	7.746	(0.910)	1601071	500.000	211	
	41 Benzene	78	8.235	8.233	(0.881)	2319309	100.000	95.7	
*	42 Pentafluorobenzene	168	8.513	8.512	(1.000)	560962	50.0000		
	43 Cyclohexane	56	6.737	6.736	(0.791)	689422	100.000	89.8	
	44 Ethyl Methacrylate	69	11.776	11.774	(1.260)	735371	100.000	97.4	
$	45 1,2-Dichloroethane-D4	65	8.502	8.500	(0.999)	708402	100.000	102	
	46 Tertiary-amyl methyl ether	73	8.560	8.558	(1.005)	1629180	100.000	96.7	
	47 1,2-Dichloroethane	62	8.630	8.628	(0.923)	712200	100.000	97.1	
	48 Trichloroethene	95	9.256	9.255	(0.990)	550031	100.000	96.2	
*	49 1,4-Difluorobenzene	114	9.349	9.348	(1.000)	866291	50.0000		
	50 Dibromomethane	93	9.837	9.835	(1.052)	323512	100.000	97.2	
	51 1,2-Dichloropropane	63	9.976	9.975	(1.067)	606738	100.000	98.2	
	52 Bromodichloromethane	83	10.081	10.079	(1.078)	717155	100.000	97.2	
	53 cis-1,3-dichloropropene	75	10.835	10.834	(1.159)	930468	100.000	98.5	
	54 1,4-Dioxane	88	10.348	10.346	(1.107)	100479	2000.00	277	
$	55 Toluene-D8	98	11.033	11.031	(1.180)	2386029	100.000	102	
	56 2-Chloroethylvinylether	63	10.801	10.799	(1.155)	386451	100.000	98.3	
	57 Toluene	92	11.079	11.078	(1.185)	1409723	100.000	98.4	
	58 4-methyl-2-pentanone	43	11.532	11.530	(1.233)	3295049	500.000	212	
	59 Tetrachloroethene	164	11.485	11.484	(0.893)	532255	100.000	111	
	60 trans-1,3-Dichloropropene	75	11.555	11.554	(1.236)	759375	100.000	97.3	
	61 1,1,2-Trichloroethane	83	11.729	11.728	(1.255)	401037	100.000	95.2	
	62 Dibromochloromethane	129	11.927	11.925	(0.928)	503199	100.000	97.8	
	63 1,3-Dichloropropane	76	12.043	12.041	(0.937)	880903	100.000	100	
	64 1,2-Dibromoethane	107	12.194	12.204	(1.304)	505336	100.000	96.7	
	65 2-Hexanone	43	12.542	12.540	(0.976)	2140397	500.000	210	
*	66 Chlorobenzene-D5	117	12.855	12.854	(1.000)	706503	50.0000		
	67 Chlorobenzene	112	12.879	12.877	(1.002)	1482210	100.000	99.3	
	152 1-Chlorohexane	91	12.879	12.877	(1.513)	668374	100.000	95.6	
	68 Ethylbenzene	106	12.925	12.923	(1.005)	733847	100.000	96.2	
	69 1,1,1,2-Tetrachloroethane	131	12.960	12.958	(1.008)	489383	100.000	99.9	
M	70 Xylenes (total)	106				2784792	100.000	246	
	71 m+p-Xylenes	106	13.122	13.121	(1.021)	1893756	200.000	149	
	72 o-Xylene	106	13.656	13.666	(1.062)	891036	100.000	96.9	
	73 Styrene	104	13.738	13.736	(1.069)	1639049	100.000	98.9	
	74 Bromoform	173	13.749	13.748	(1.070)	333866	100.000	97.4	
	75 Isopropylbenzene	105	14.074	14.073	(0.881)	1804095	100.000	94.0	
$	76 P-Bromofluorobenzene	95	14.434	14.433	(1.544)	844226	100.000	102	

Data File: \\Target_server\GG\chem\gcms-f.i\F061308.b\F0835.D
Report Date: 25-Jun-2008 14:33

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)	REVIEW CODE
77 cis-1,4-Dichloro-2-Butene	53	14.539	14.537	(0.910)	202129	100.000	96.2	
78 trans-1,4-Dichloro-2-Butene	53	14.968	14.967	(0.937)	201105	100.000	97.7	
79 Bromobenzene	156	14.562	14.572	(0.911)	561197	100.000	96.7	
80 N-Propylbenzene	91	14.632	14.630	(0.916)	2314489	100.000	93.4	
81 1,1,2,2-Tetrachloroethane	83	14.725	14.723	(0.922)	557170	100.000	93.4	
82 1,3,5-Trimethylbenzene	105	14.910	14.909	(0.933)	1659803	100.000	97.5	
83 2-Chlorotoluene	91	14.829	14.827	(0.928)	1527057	100.000	95.3	
84 1,2,3-Trichloropropane	75	14.899	14.897	(0.932)	472396	100.000	96.4	
85 4-Chlorotoluene	91	15.050	15.060	(0.942)	1633617	100.000	97.4	
86 tert-Butylbenzene	119	15.340	15.338	(0.960)	1362900	100.000	91.8	
87 Pentachloroethane	117	15.351	15.350	(0.961)	238182	100.000	75.0	
88 1,2,4-Trimethylbenzene	105	15.444	15.443	(0.967)	1728446	100.000	95.2	
89 P-Isopropyltoluene	119	15.804	15.803	(0.989)	1386355	100.000	94.7	
90 1,3-Dichlorobenzene	146	15.862	15.861	(0.993)	952068	100.000	95.9	
* 91 1,4-Dichlorobenzene-D4	152	15.978	15.977	(1.000)	349597	50.0000		
92 1,4-Dichlorobenzene	146	15.990	16.000	(1.001)	1022195	100.000	98.1	
93 N-Butylbenzene	91	16.396	16.395	(1.026)	1236687	100.000	95.7	
94 sec-Butylbenzene	105	15.584	15.582	(0.975)	1776958	100.000	94.5	
95 1,2-Dichlorobenzene	146	16.594	16.591	(1.039)	917839	100.000	96.2	
96 1,2-Dibromo-3-Chloropropane	75	17.766	17.765	(1.112)	76621	100.000	97.0	
97 1,3,5-Trichlorobenzene	180	17.824	17.823	(1.116)	559621	100.000	98.6	
98 Hexachlorobutadiene	225	18.765	18.763	(1.174)	193290	100.000	96.5	
99 1,2,4-Trichlorobenzene	180	18.788	18.786	(1.176)	482608	100.000	95.9	
100 1,2,3-Trimethylbenzene	105	16.048	16.046	(1.004)	1860386	100.000	98.0	
101 Naphthalene	128	19.276	19.286	(1.206)	1032799	100.000	93.9	
102 1,2,3-Trichlorobenzene	180	19.554	19.564	(1.224)	351681	100.000	94.1	
103 Methyl Acetate	43	4.369	4.379	(0.513)	618536	100.000	97.0	
104 Methylcyclohexane	83	9.222	9.220	(1.083)	564654	100.000	93.8	
M 153 Total Alkylbenzenes	100				11465638	100.000	663	

Data File: \\Target_server\GG\chem\gcms-f.i\F061308.b\F0835.D
Report Date: 25-Jun-2008 14:33

Katahdin Analytical Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcms-f.i
Lab File ID: F0835.D
Lab Smp Id: VSTD100F13A
Analysis Type: VOA
Quant Type: ISTD
Operator: SKT
Method File: \\target_server\GG\chem\gcms-f.i\F061308.b\F826a08.m
Misc Info: SW846 8260B

Calibration Date: 13-JUN-2008
Calibration Time: 16:08

Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 4

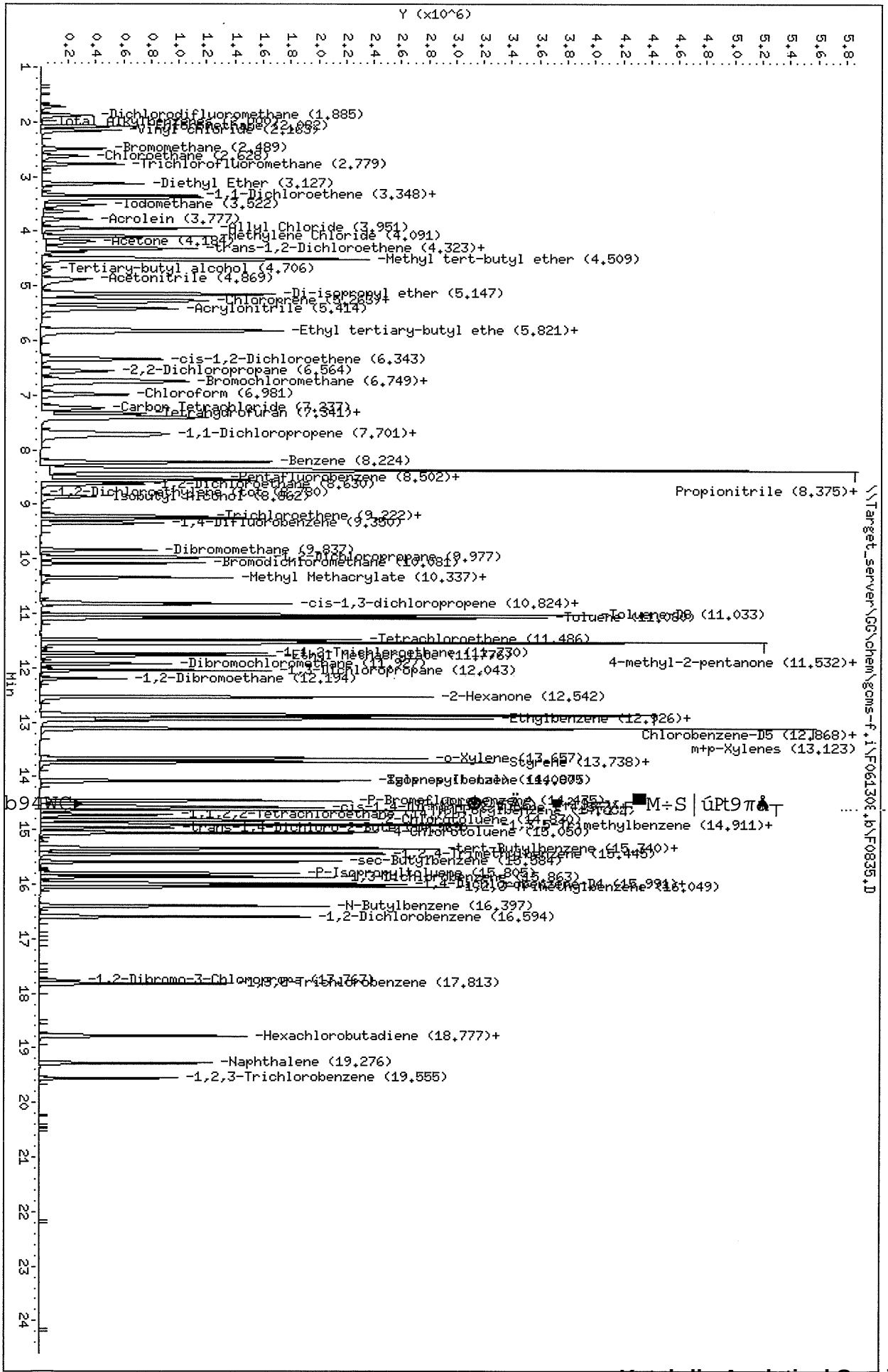
COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	549958	274979	1099916	560962	2.00
49 1,4-Difluorobenze	859297	429649	1718594	866291	0.81
66 Chlorobenzene-D5	720945	360473	1441890	706503	-2.00
91 1,4-Dichlorobenze	335414	167707	670828	349597	4.23

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	8.51	8.01	9.01	8.51	0.02
49 1,4-Difluorobenze	9.35	8.85	9.85	9.35	0.02
66 Chlorobenzene-D5	12.85	12.35	13.35	12.86	0.02
91 1,4-Dichlorobenze	15.98	15.48	16.48	15.98	0.01

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.

Data File: \\Target_server\GC\chem\gcms-f.i\F061308.b\F0835.D
Date : 13-JUN-2008 15:37
Client ID:
Sample Info: VSTD100F13A
Purge Volume: 5.0
Column phase: RTX-VMS

Instrument: gcms-f.i
Operator: SKT
Column diameter: 0.18



Data File: \\Target_server\GG\chem\gcms-f.i\F061308.b\F0836.D
Report Date: 25-Jun-2008 14:33

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gcms-f.i\F061308.b\F0836.D
Lab Smp Id: VSTD050F13A
Inj Date : 13-JUN-2008 16:08
Operator : SKT Inst ID: gcms-f.i
Smp Info : VSTD050F13A
Misc Info : SW846 8260B
Comment :
Method : \\target_server\GG\chem\gcms-f.i\F061308.b\F826a08.m
Meth Date : 20-Jun-2008 13:40 sthompson Quant Type: ISTD
Cal Date : 13-JUN-2008 16:08 Cal File: F0836.D
Als bottle: 4 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.12
Processing Host: V200T1

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	sample purged
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	ON-COL (ug/l)	REVIEW CODE
1 Dichlorodifluoromethane	85	1.882	1.883	(0.221)	254959	50.0000	50.0	
2 Chloromethane	50	2.080	2.080	(0.244)	430879	50.0000	50.0	
3 Vinyl chloride	62	2.161	2.161	(0.254)	362926	50.0000	50.0	
4 Bromomethane	94	2.498	2.498	(0.293)	186075	50.0000	50.0	
5 Chloroethane	64	2.625	2.626	(0.308)	199395	50.0000	50.0	
6 Trichlorofluoromethane	101	2.776	2.777	(0.326)	276664	50.0000	50.0	
7 Diethyl Ether	59	3.124	3.125	(0.367)	252205	50.0000	50.0	
8 Tertiary-butyl alcohol	59	4.703	4.704	(0.553)	92963	250.000	250	
9 1,1-Dichloroethene	96	3.345	3.346	(0.393)	229673	50.0000	50.0	
10 Carbon Disulfide	76	3.380	3.380	(0.397)	693850	50.0000	50.0	
11 Freon-113	151	3.403	3.404	(0.400)	152187	50.0000	50.0	
12 Iodomethane	142	3.519	3.520	(0.414)	325948	50.0000	50.0	
13 Acrolein	56	3.775	3.775	(0.444)	249015	250.000	250	
14 Methylene Chloride	84	4.088	4.089	(0.480)	318684	50.0000	50.0	
15 Acetone	43	4.193	4.192	(0.493)	460835	250.000	250	
16 Isobutyl Alcohol	43	8.871	8.872	(1.042)	169271	1000.00	1000	
17 trans-1,2-Dichloroethene	96	4.320	4.320	(0.508)	305556	50.0000	50.0	
18 Allyl Chloride	41	3.949	3.949	(0.464)	501119	50.0000	50.0	
19 Methyl tert-butyl ether	73	4.506	4.507	(0.529)	1599342	100.000	100	
20 Acetonitrile	39	4.866	4.866	(0.572)	92668	500.000	500	
21 Di-isopropyl ether	45	5.145	5.145	(0.604)	1305530	50.0000	50.0	
22 Chloroprene	53	5.261	5.261	(0.618)	519206	50.0000	50.0	
23 Propionitrile	54	8.337	8.337	(0.980)	456223	500.000	500	

Data File: \\Target_server\GG\chem\gcms-f.i\F061308.b\F0836.D
Report Date: 25-Jun-2008 14:33

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)	REVIEW CODE
	24 Methacrylonitrile	41	8.372	8.372	(0.984)	2506857	500.000	500	
	25 1,1-Dichloroethane	63	5.295	5.296	(0.622)	550825	50.0000	50.0	
	26 Acrylonitrile	52	5.412	5.412	(0.636)	566102	250.000	250	
	27 Ethyl tertiary-butyl ether	59	5.818	5.818	(0.684)	1037199	50.0000	50.0	
	28 Vinyl Acetate	43	5.830	5.830	(0.624)	817443	50.0000	50.0	
	29 cis-1,2-Dichloroethene	96	6.340	6.341	(0.745)	320567	50.0000	50.0	
M	30 1,2-Dichloroethylene (total)	96				626123	50.0000	100	
	31 Methyl Methacrylate	41	10.334	10.335	(1.106)	298582	50.0000	50.0	
	32 2,2-Dichloropropane	77	6.561	6.561	(0.771)	294845	50.0000	50.0	
	33 Bromochloromethane	128	6.758	6.759	(0.794)	134687	50.0000	50.0	
	34 Chloroform	83	6.990	6.991	(0.821)	456200	50.0000	50.0	
	35 Carbon Tetrachloride	117	7.234	7.235	(0.774)	274361	50.0000	50.0	
	36 Tetrahydrofuran	42	7.339	7.339	(0.862)	483510	250.000	250	
$	37 Dibromofluoromethane	113	7.408	7.409	(0.870)	311787	50.0000	50.0	
	38 1,1,1-Trichloroethane	97	7.408	7.409	(0.870)	348411	50.0000	50.0	
	39 1,1-Dichloropropene	75	7.699	7.699	(0.824)	371409	50.0000	50.0	
	40 2-Butanone	43	7.745	7.746	(0.910)	806482	250.000	250	
	41 Benzene	78	8.233	8.233	(0.881)	1207048	50.0000	50.0	
*	42 Pentafluorobenzene	168	8.511	8.512	(1.000)	549958	50.0000		
	43 Cyclohexane	56	6.735	6.736	(0.791)	381807	50.0000	50.0	
	44 Ethyl Methacrylate	69	11.774	11.774	(1.260)	375082	50.0000	50.0	
$	45 1,2-Dichloroethane-D4	65	8.500	8.500	(0.999)	342628	50.0000	50.0	
	46 Tertiary-amyl methyl ether	73	8.558	8.558	(1.005)	839610	50.0000	50.0	
	47 1,2-Dichloroethane	62	8.627	8.628	(0.923)	362826	50.0000	50.0	
	48 Trichloroethene	95	9.254	9.255	(0.990)	286620	50.0000	50.0	
*	49 1,4-Difluorobenzene	114	9.347	9.348	(1.000)	859297	50.0000		
	50 Dibromomethane	93	9.835	9.835	(1.052)	165478	50.0000	50.0	
	51 1,2-Dichloropropane	63	9.974	9.975	(1.067)	307150	50.0000	50.0	
	52 Bromodichloromethane	83	10.079	10.079	(1.078)	362491	50.0000	50.0	
	53 cis-1,3-dichloropropene	75	10.833	10.834	(1.159)	462836	50.0000	50.0	
	54 1,4-Dioxane	88	10.346	10.346	(1.107)	55111	1000.00	1000	
$	55 Toluene-D8	98	11.031	11.031	(1.180)	1167644	50.0000	50.0	
	56 2-Chloroethylvinylether	63	10.798	10.799	(1.155)	194360	50.0000	50.0	
	57 Toluene	92	11.077	11.078	(1.185)	715213	50.0000	50.0	
	58 4-methyl-2-pentanone	43	11.530	11.530	(1.233)	1758231	250.000	250	
	59 Tetrachloroethene	164	11.483	11.484	(0.893)	234013	50.0000	50.0	
	60 trans-1,3-Dichloropropene	75	11.553	11.554	(1.236)	392666	50.0000	50.0	
	61 1,1,2-Trichloroethane	83	11.727	11.728	(1.255)	210608	50.0000	50.0	
	62 Dibromochloromethane	129	11.925	11.925	(0.928)	256682	50.0000	50.0	
	63 1,3-Dichloropropane	76	12.041	12.041	(0.937)	436401	50.0000	50.0	
	64 1,2-Dibromoethane	107	12.203	12.204	(1.306)	263127	50.0000	50.0	
	65 2-Hexanone	43	12.540	12.540	(0.976)	1156163	250.000	250	
*	66 Chlorobenzene-D5	117	12.853	12.854	(1.000)	720945	50.0000		
	67 Chlorobenzene	112	12.877	12.877	(1.002)	761078	50.0000	50.0	
	152 1-Chlorohexane	91	12.877	12.877	(1.513)	349565	50.0000	50.0	
	68 Ethylbenzene	106	12.923	12.923	(1.005)	394858	50.0000	50.0	
	69 1,1,1,2-Tetrachloroethane	131	12.958	12.958	(1.008)	248040	50.0000	50.0	
M	70 Xylenes (total)	106				1451502	150.000	150	
	71 m+p-Xylenes	106	13.120	13.121	(1.021)	983179	100.000	100	
	72 o-Xylene	106	13.666	13.666	(1.063)	468323	50.0000	50.0	
	73 Styrene	104	13.736	13.736	(1.069)	837648	50.0000	50.0	
	74 Bromoform	173	13.747	13.748	(1.070)	175121	50.0000	50.0	
	75 Isopropylbenzene	105	14.072	14.073	(0.881)	948237	50.0000	50.0	
$	76 P-Bromofluorobenzene	95	14.432	14.433	(1.544)	413083	50.0000	50.0	

Data File: \\Target_server\GG\chem\gcms-f.i\F061308.b\F0836.D
Report Date: 25-Jun-2008 14:33

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)	REVIEW CODE
77 cis-1,4-Dichloro-2-Butene	53	14.537	14.537	(0.910)	103588	50.0000	50.0	
78 trans-1,4-Dichloro-2-Butene	53	14.966	14.967	(0.937)	100698	50.0000	50.0	
79 Bromobenzene	156	14.572	14.572	(0.912)	280665	50.0000	50.0	
80 N-Propylbenzene	91	14.630	14.630	(0.916)	1223439	50.0000	50.0	
81 1,1,2,2-Tetrachloroethane	83	14.722	14.723	(0.922)	300655	50.0000	50.0	
82 1,3,5-Trimethylbenzene	105	14.908	14.909	(0.933)	825881	50.0000	50.0	
83 2-Chlorotoluene	91	14.827	14.827	(0.928)	789479	50.0000	50.0	
84 1,2,3-Trichloropropane	75	14.897	14.897	(0.932)	242350	50.0000	50.0	
85 4-Chlorotoluene	91	15.059	15.060	(0.943)	817892	50.0000	50.0	
86 tert-Butylbenzene	119	15.338	15.338	(0.960)	737115	50.0000	50.0	
87 Pentachloroethane	117	15.349	15.350	(0.961)	168199	50.0000	50.0	
88 1,2,4-Trimethylbenzene	105	15.442	15.443	(0.967)	901984	50.0000	50.0	
89 P-Isopropyltoluene	119	15.802	15.803	(0.989)	732158	50.0000	50.0	
90 1,3-Dichlorobenzene	146	15.860	15.861	(0.993)	481090	50.0000	50.0	
* 91 1,4-Dichlorobenzene-D4	152	15.976	15.977	(1.000)	335414	50.0000		
92 1,4-Dichlorobenzene	146	16.000	16.000	(1.001)	502035	50.0000	50.0	
93 N-Butylbenzene	91	16.394	16.395	(1.026)	621473	50.0000	50.0	
94 sec-Butylbenzene	105	15.582	15.582	(0.975)	945351	50.0000	50.0	
95 1,2-Dichlorobenzene	146	16.592	16.591	(1.039)	467850	50.0000	50.0	
96 1,2-Dibromo-3-Chloropropane	75	17.764	17.765	(1.112)	39277	50.0000	50.0	
97 1,3,5-Trichlorobenzene	180	17.822	17.823	(1.116)	276909	50.0000	50.0	
98 Hexachlorobutadiene	225	18.763	18.763	(1.174)	102192	50.0000	50.0	
99 1,2,4-Trichlorobenzene	180	18.786	18.786	(1.176)	249222	50.0000	50.0	
100 1,2,3-Trimethylbenzene	105	16.046	16.046	(1.004)	919549	50.0000	50.0	
101 Naphthalene	128	19.285	19.286	(1.207)	571821	50.0000	50.0	
102 1,2,3-Trichlorobenzene	180	19.564	19.564	(1.225)	194909	50.0000	50.0	
103 Methyl Acetate	43	4.378	4.379	(0.514)	315831	50.0000	50.0	
104 Methylcyclohexane	83	9.220	9.220	(1.083)	290899	50.0000	50.0	
M 153 Total Alkylbenzenes	100				5987401	50.0000	350	

Data File: \\Target_server\GG\chem\gcms-f.i\F061308.b\F0836.D
Report Date: 25-Jun-2008 14:33

Katahdin Analytical Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcms-f.i
Lab File ID: F0836.D
Lab Smp Id: VSTD050F13A
Analysis Type: VOA
Quant Type: ISTD
Operator: SKT
Method File: \\target_server\GG\chem\gcms-f.i\F061308.b\F826a08.m
Misc Info: SW846 8260B

Calibration Date: 13-JUN-2008
Calibration Time: 16:08

Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 4

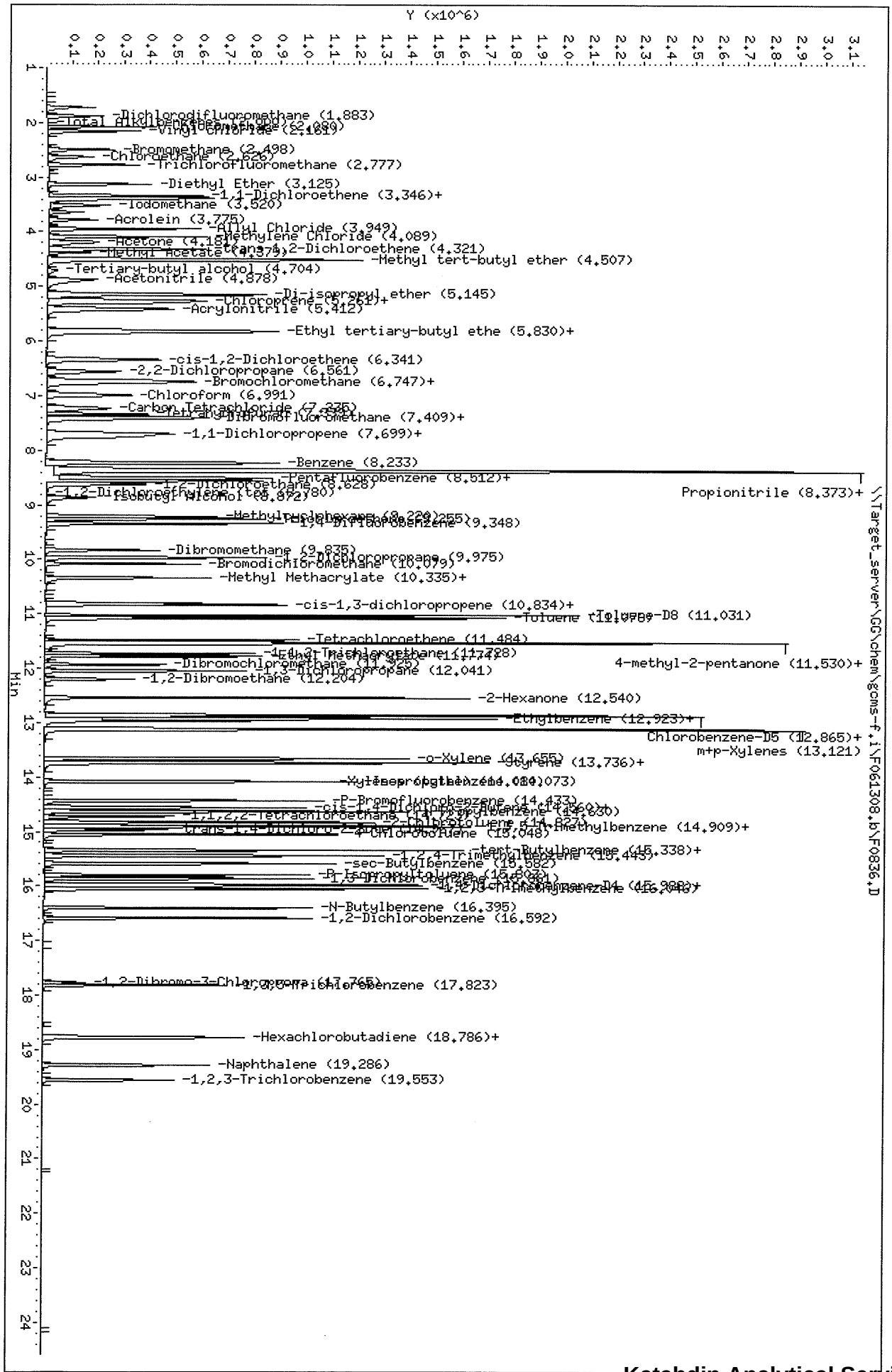
COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	549958	274979	1099916	549958	0.00
49 1,4-Difluorobenze	859297	429649	1718594	859297	0.00
66 Chlorobenzene-D5	720945	360473	1441890	720945	0.00
91 1,4-Dichlorobenze	335414	167707	670828	335414	0.00

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	8.51	8.01	9.01	8.51	0.00
49 1,4-Difluorobenze	9.35	8.85	9.85	9.35	0.00
66 Chlorobenzene-D5	12.85	12.35	13.35	12.85	0.00
91 1,4-Dichlorobenze	15.98	15.48	16.48	15.98	0.00

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.

Data File: \\Target_server\GC\chem\gcms-f.i\F061308.b\F0836.D
Date : 13-JUN-2008 16:08
Client ID:
Sample Info: VSTD050F13A
Purge Volume: 5.0
Column phase: RTX-VMS

Instrument: gcms-f.i
Operator: SKT
Column diameter: 0.18



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Report Date: 25-Jun-2008 14:33

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gcms-f.i\F061308.b\F0837.D
Lab Smp Id: VSTD020F13A
Inj Date : 13-JUN-2008 16:39
Operator : SKT Inst ID: gcms-f.i
Smp Info : VSTD020F13A
Misc Info : SW846 8260B
Comment :
Method : \\target_server\GG\chem\gcms-f.i\F061308.b\F826a08.m
Meth Date : 20-Jun-2008 13:40 sthompson Quant Type: ISTD
Cal Date : 13-JUN-2008 16:39 Cal File: F0837.D
Als bottle: 5 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.12
Processing Host: V200T1

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	sample purged
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)	REVIEW CODE
1 Dichlorodifluoromethane	85	1.882	1.883	(0.221)	97973	20.0000	19.8	
2 Chloromethane	50	2.079	2.080	(0.244)	160348	20.0000	19.6	
3 Vinyl chloride	62	2.160	2.161	(0.254)	135837	20.0000	19.9	
4 Bromomethane	94	2.497	2.498	(0.293)	66307	20.0000	19.2	
5 Chloroethane	64	2.625	2.626	(0.308)	76684	20.0000	20.6	
6 Trichlorofluoromethane	101	2.775	2.777	(0.326)	105281	20.0000	19.9	
7 Diethyl Ether	59	3.124	3.125	(0.367)	91704	20.0000	19.8	
8 Tertiary-butyl alcohol	59	4.703	4.704	(0.553)	34309	100.000	50.6	
9 1,1-Dichloroethene	96	3.344	3.346	(0.393)	85618	20.0000	19.7	
10 Carbon Disulfide	76	3.368	3.380	(0.396)	256653	20.0000	19.5	
11 Freon-113	151	3.402	3.404	(0.400)	59242	20.0000	20.3	
12 Iodomethane	142	3.518	3.520	(0.413)	116782	20.0000	18.4	
13 Acrolein	56	3.774	3.775	(0.443)	91652	100.000	49.3	
14 Methylene Chloride	84	4.087	4.089	(0.480)	119607	20.0000	20.0	
15 Acetone	43	4.192	4.192	(0.493)	165758	100.000	47.6	
16 Isobutyl Alcohol	43	8.870	8.872	(1.042)	58004	400.000	61.5	
17 trans-1,2-Dichloroethene	96	4.320	4.320	(0.508)	110956	20.0000	19.4	
18 Allyl Chloride	41	3.948	3.949	(0.464)	196480	20.0000	19.6	
19 Methyl tert-butyl ether	73	4.505	4.507	(0.529)	569875	40.0000	30.5	
20 Acetonitrile	39	4.877	4.866	(0.573)	34090	200.000	61.6	
21 Di-isopropyl ether	45	5.144	5.145	(0.604)	484740	20.0000	19.2	
22 Chloroprene	53	5.260	5.261	(0.618)	195513	20.0000	19.9	
23 Propionitrile	54	8.336	8.337	(0.980)	163082	200.000	60.9	

Data File: \\Target_server\GG\chem\gcms-f.i\F061308.b\F0837.D
Report Date: 25-Jun-2008 14:33

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)	REVIEW CODE
	24 Methacrylonitrile	41	8.371	8.372	(0.984)	906465	200.000	60.4	
	25 1,1-Dichloroethane	63	5.295	5.296	(0.622)	206497	20.0000	19.7	
	26 Acrylonitrile	52	5.411	5.412	(0.636)	211186	100.000	50.2	
	27 Ethyl tertiary-butyl ether	59	5.817	5.818	(0.684)	377077	20.0000	19.3	
	28 Vinyl Acetate	43	5.829	5.830	(0.624)	286347	20.0000	18.6	
	29 cis-1,2-Dichloroethene	96	6.340	6.341	(0.745)	119025	20.0000	19.4	
M	30 1,2-Dichloroethylene (total)	96				229981	20.0000	38.8	
	31 Methyl Methacrylate	41	10.333	10.335	(1.106)	102408	20.0000	18.0	
	32 2,2-Dichloropropane	77	6.560	6.561	(0.771)	106146	20.0000	19.0	
	33 Bromochloromethane	128	6.758	6.759	(0.794)	49567	20.0000	19.6	
	34 Chloroform	83	6.978	6.991	(0.820)	173389	20.0000	19.7	
	35 Carbon Tetrachloride	117	7.234	7.235	(0.774)	99848	20.0000	18.9	
	36 Tetrahydrofuran	42	7.350	7.339	(0.864)	165792	100.000	45.4	
$	37 Dibromofluoromethane	113	7.408	7.409	(0.870)	117951	20.0000	19.7	
	38 1,1,1-Trichloroethane	97	7.396	7.409	(0.869)	130685	20.0000	19.5	
	39 1,1-Dichloropropene	75	7.698	7.699	(0.824)	131521	20.0000	18.6	
	40 2-Butanone	43	7.744	7.746	(0.910)	280555	100.000	46.2	
	41 Benzene	78	8.232	8.233	(0.881)	439475	20.0000	18.9	
*	42 Pentafluorobenzene	168	8.511	8.512	(1.000)	530677	50.0000		
	43 Cyclohexane	56	6.723	6.736	(0.790)	136959	20.0000	19.1	
	44 Ethyl Methacrylate	69	11.773	11.774	(1.260)	128838	20.0000	18.0	
$	45 1,2-Dichloroethane-D4	65	8.499	8.500	(0.999)	130671	20.0000	19.9	
	46 Tertiary-amyl methyl ether	73	8.557	8.558	(1.005)	305937	20.0000	19.4	
	47 1,2-Dichloroethane	62	8.627	8.628	(0.923)	136685	20.0000	19.3	
	48 Trichloroethene	95	9.254	9.255	(0.990)	108790	20.0000	19.6	
*	49 1,4-Difluorobenzene	114	9.346	9.348	(1.000)	847940	50.0000		
	50 Dibromomethane	93	9.834	9.835	(1.052)	62259	20.0000	19.3	
	51 1,2-Dichloropropane	63	9.973	9.975	(1.067)	114441	20.0000	19.2	
	52 Bromodichloromethane	83	10.078	10.079	(1.078)	131544	20.0000	18.6	
	53 cis-1,3-dichloropropene	75	10.832	10.834	(1.159)	165893	20.0000	18.4	
	54 1,4-Dioxane	88	10.356	10.346	(1.108)	26504	400.000	93.7	
$	55 Toluene-D8	98	11.030	11.031	(1.180)	442645	20.0000	19.6	
	56 2-Chloroethylvinylether	63	10.798	10.799	(1.155)	65347	20.0000	17.6	
	57 Toluene	92	11.076	11.078	(1.185)	274034	20.0000	19.6	
	58 4-methyl-2-pentanone	43	11.529	11.530	(1.234)	611376	100.000	47.2	
	59 Tetrachloroethene	164	11.494	11.484	(0.894)	88472	20.0000	18.8	
	60 trans-1,3-Dichloropropene	75	11.552	11.554	(1.236)	140687	20.0000	18.8	
	61 1,1,2-Trichloroethane	83	11.726	11.728	(1.255)	80993	20.0000	19.7	
	62 Dibromochloromethane	129	11.924	11.925	(0.928)	93350	20.0000	18.6	
	63 1,3-Dichloropropane	76	12.051	12.041	(0.938)	166352	20.0000	19.2	
	64 1,2-Dibromoethane	107	12.202	12.204	(1.306)	94299	20.0000	18.8	
	65 2-Hexanone	43	12.539	12.540	(0.976)	392245	100.000	45.4	
*	66 Chlorobenzene-D5	117	12.853	12.854	(1.000)	707281	50.0000		
	67 Chlorobenzene	112	12.876	12.877	(1.002)	298556	20.0000	20.0	
	152 1-Chlorohexane	91	12.876	12.877	(1.513)	134306	20.0000	20.2	
	68 Ethylbenzene	106	12.922	12.923	(1.005)	149859	20.0000	19.7	
	69 1,1,1,2-Tetrachloroethane	131	12.957	12.958	(1.008)	92973	20.0000	19.2	
M	70 Xylenes (total)	106				537115	60.0000	49.8	
	71 m+p-Xylenes	106	13.120	13.121	(1.021)	370036	40.0000	31.2	
	72 o-Xylene	106	13.665	13.666	(1.063)	167079	20.0000	18.6	
	73 Styrene	104	13.735	13.736	(1.069)	295391	20.0000	18.3	
	74 Bromoform	173	13.746	13.748	(1.070)	62864	20.0000	18.7	
	75 Isopropylbenzene	105	14.083	14.073	(0.882)	341202	20.0000	19.4	
$	76 P-Bromofluorobenzene	95	14.431	14.433	(1.544)	155155	20.0000	19.4	

Data File: \\Target_server\GG\chem\gcms-f.i\F061308.b\F0837.D
Report Date: 25-Jun-2008 14:33

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)	REVIEW CODE
77 cis-1,4-Dichloro-2-Butene	53	14.536	14.537	(0.910)	37590	20.0000	19.5	
78 trans-1,4-Dichloro-2-Butene	53	14.965	14.967	(0.937)	36658	20.0000	19.4	
79 Bromobenzene	156	14.571	14.572	(0.912)	107138	20.0000	19.9	
80 N-Propylbenzene	91	14.629	14.630	(0.916)	442716	20.0000	19.4	
81 1,1,2,2-Tetrachloroethane	83	14.722	14.723	(0.922)	109690	20.0000	19.9	
82 1,3,5-Trimethylbenzene	105	14.907	14.909	(0.933)	298493	20.0000	19.2	
83 2-Chlorotoluene	91	14.826	14.827	(0.928)	294882	20.0000	19.9	
84 1,2,3-Trichloropropane	75	14.896	14.897	(0.932)	90875	20.0000	20.0	
85 4-Chlorotoluene	91	15.058	15.060	(0.943)	296807	20.0000	19.3	
86 tert-Butylbenzene	119	15.337	15.338	(0.960)	265838	20.0000	19.5	
87 Pentachloroethane	117	15.349	15.350	(0.961)	60531	20.0000	20.4	
88 1,2,4-Trimethylbenzene	105	15.441	15.443	(0.967)	328321	20.0000	19.6	
89 P-Isopropyltoluene	119	15.801	15.803	(0.989)	263928	20.0000	19.6	
90 1,3-Dichlorobenzene	146	15.859	15.861	(0.993)	182284	20.0000	19.9	
* 91 1,4-Dichlorobenzene-D4	152	15.976	15.977	(1.000)	324031	50.0000		
92 1,4-Dichlorobenzene	146	15.999	16.000	(1.001)	193948	20.0000	20.1	
93 N-Butylbenzene	91	16.393	16.395	(1.026)	224416	20.0000	19.0	
94 sec-Butylbenzene	105	15.581	15.582	(0.975)	339432	20.0000	19.6	
95 1,2-Dichlorobenzene	146	16.591	16.591	(1.039)	170483	20.0000	19.5	
96 1,2-Dibromo-3-Chloropropane	75	17.763	17.765	(1.112)	15416	20.0000	20.8	
97 1,3,5-Trichlorobenzene	180	17.821	17.823	(1.116)	104107	20.0000	19.8	
98 Hexachlorobutadiene	225	18.762	18.763	(1.174)	40224	20.0000	21.2	
99 1,2,4-Trichlorobenzene	180	18.785	18.786	(1.176)	90841	20.0000	19.6	
100 1,2,3-Trimethylbenzene	105	16.045	16.046	(1.004)	343429	20.0000	19.6	
101 Naphthalene	128	19.284	19.286	(1.207)	197838	20.0000	19.6	
102 1,2,3-Trichlorobenzene	180	19.563	19.564	(1.225)	70584	20.0000	20.3	
103 Methyl Acetate	43	4.378	4.379	(0.514)	115802	20.0000	19.4	
104 Methylcyclohexane	83	9.219	9.220	(1.083)	113515	20.0000	20.0	
M 153 Total Alkylbenzenes	100				2163144	20.0000	136	

Data File: \\Target_server\GG\chem\gcms-f.i\F061308.b\F0837.D
Report Date: 25-Jun-2008 14:33

Katahdin Analytical Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcms-f.i
Lab File ID: F0837.D
Lab Smp Id: VSTD020F13A
Analysis Type: VOA
Quant Type: ISTD
Operator: SKT
Method File: \\target_server\GG\chem\gcms-f.i\F061308.b\F826a08.m
Misc Info: SW846 8260B

Calibration Date: 13-JUN-2008
Calibration Time: 16:08

Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 4

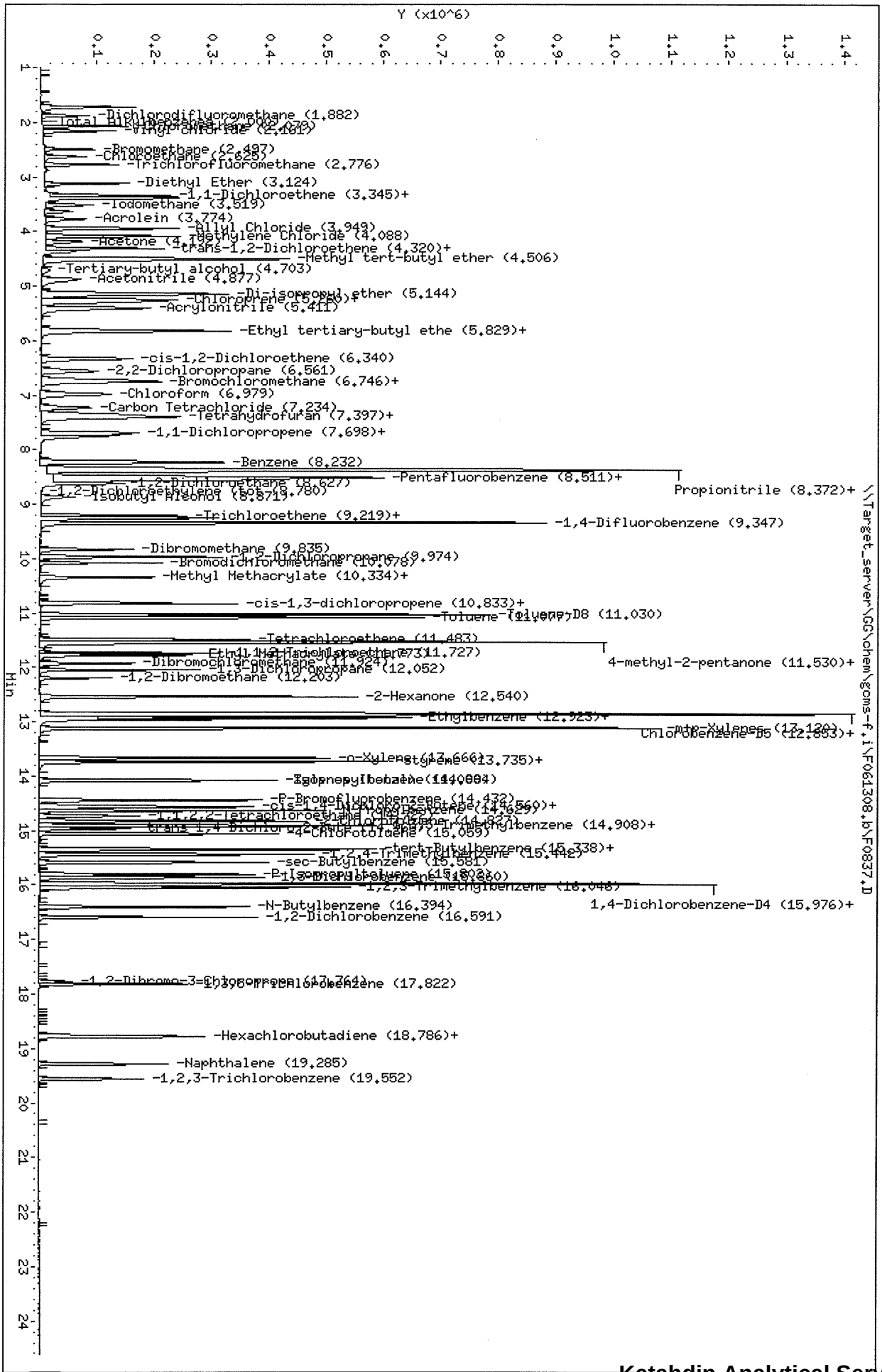
COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	549958	274979	1099916	530677	-3.51
49 1,4-Difluorobenze	859297	429649	1718594	847940	-1.32
66 Chlorobenzene-D5	720945	360473	1441890	707281	-1.90
91 1,4-Dichlorobenze	335414	167707	670828	324031	-3.39

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	8.51	8.01	9.01	8.51	-0.01
49 1,4-Difluorobenze	9.35	8.85	9.85	9.35	-0.01
66 Chlorobenzene-D5	12.85	12.35	13.35	12.85	-0.01
91 1,4-Dichlorobenze	15.98	15.48	16.48	15.98	-0.00

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.

Data File: \\Target_server\GC\chem\gcms-f.i\F061308.b\F0837.D
Date : 13-JUN-2008 16:39
Client ID:
Sample Info: VSTD020F13A
Purge Volume: 5.0
Column phase: RTX-VMS

Instrument: gcms-f.i
Operator: SKT
Column diameter: 0.18



Data File: \\Target_server\GG\chem\gcms-f.i\F061308.b\F0838.D
Report Date: 25-Jun-2008 14:33

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gcms-f.i\F061308.b\F0838.D
Lab Smp Id: VSTD005F13A
Inj Date : 13-JUN-2008 17:09
Operator : SKT Inst ID: gcms-f.i
Smp Info : VSTD005F13A
Misc Info : SW846 8260B
Comment :
Method : \\target_server\GG\chem\gcms-f.i\F061308.b\F826a08.m
Meth Date : 20-Jun-2008 13:40 sthompson Quant Type: ISTD
Cal Date : 13-JUN-2008 17:09 Cal File: F0838.D
Als bottle: 6 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.12
Processing Host: V200T1

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	sample purged
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)	REVIEW CODE
1 Dichlorodifluoromethane	85	1.882	1.883	(0.221)	24149	5.00000	5.0	
2 Chloromethane	50	2.080	2.080	(0.244)	39271	5.00000	4.9	
3 Vinyl chloride	62	2.161	2.161	(0.254)	32752	5.00000	4.9	
4 Bromomethane	94	2.498	2.498	(0.293)	16561	5.00000	4.9	
5 Chloroethane	64	2.625	2.626	(0.308)	19061	5.00000	5.2	
6 Trichlorofluoromethane	101	2.776	2.777	(0.326)	25509	5.00000	4.9	
7 Diethyl Ether	59	3.125	3.125	(0.367)	21918	5.00000	4.9	
8 Tertiary-butyl alcohol	59	4.715	4.704	(0.554)	7220	25.0000	12.3	
9 1,1-Dichloroethene	96	3.345	3.346	(0.393)	21264	5.00000	5.0	
10 Carbon Disulfide	76	3.368	3.380	(0.396)	63416	5.00000	4.9	
11 Freon-113	151	3.403	3.404	(0.400)	13462	5.00000	4.8	
12 Iodomethane	142	3.519	3.520	(0.414)	26581	5.00000	4.4	
13 Acrolein	56	3.775	3.775	(0.444)	21800	25.0000	13.4	
14 Methylene Chloride	84	4.088	4.089	(0.480)	32533	5.00000	5.4	
15 Acetone	43	4.193	4.192	(0.493)	45407	25.0000	14.7	
16 Isobutyl Alcohol	43	8.871	8.872	(1.042)	10954	100.000	14.4(a)	
17 trans-1,2-Dichloroethene	96	4.320	4.320	(0.508)	28012	5.00000	5.0	
18 Allyl Chloride	41	3.949	3.949	(0.464)	46197	5.00000	4.8	
19 Methyl tert-butyl ether	73	4.506	4.507	(0.529)	134410	10.0000	7.8	
20 Acetonitrile	39	4.866	4.866	(0.572)	8454	50.0000	18.1(a)	
21 Di-isopropyl ether	45	5.145	5.145	(0.604)	101404	5.00000	4.3	
22 Chloroprene	53	5.261	5.261	(0.618)	39571	5.00000	4.3	
23 Propionitrile	54	8.337	8.337	(0.980)	36304	50.0000	16.2	

Data File: \\Target_server\GG\chem\gcms-f.i\F061308.b\F0838.D
Report Date: 25-Jun-2008 14:33

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)	REVIEW CODE
	24 Methacrylonitrile	41	8.372	8.372	(0.984)	202892	50.0000	16.2	
	25 1,1-Dichloroethane	63	5.296	5.296	(0.622)	51448	5.00000	5.0	
	26 Acrylonitrile	52	5.412	5.412	(0.636)	45820	25.0000	12.5	
	27 Ethyl tertiary-butyl ether	59	5.818	5.818	(0.684)	80776	5.00000	4.4	
	28 Vinyl Acetate	43	5.830	5.830	(0.624)	64764	5.00000	4.5	
	29 cis-1,2-Dichloroethene	96	6.340	6.341	(0.745)	28348	5.00000	4.8	
M	30 1,2-Dichloroethylene (total)	96				56360	5.00000	9.8	
	31 Methyl Methacrylate	41	10.334	10.335	(1.106)	20823	5.00000	4.0	
	32 2,2-Dichloropropane	77	6.561	6.561	(0.771)	26179	5.00000	4.8	
	33 Bromochloromethane	128	6.758	6.759	(0.794)	12534	5.00000	5.0	
	34 Chloroform	83	6.991	6.991	(0.821)	41662	5.00000	4.9	
	35 Carbon Tetrachloride	117	7.234	7.235	(0.774)	24541	5.00000	4.9	
	36 Tetrahydrofuran	42	7.351	7.339	(0.864)	38318	25.0000	12.1	
$	37 Dibromofluoromethane	113	7.409	7.409	(0.870)	27570	5.00000	4.8	
	38 1,1,1-Trichloroethane	97	7.409	7.409	(0.870)	30632	5.00000	4.7	
	39 1,1-Dichloropropene	75	7.699	7.699	(0.824)	29763	5.00000	4.5	
	40 2-Butanone	43	7.745	7.746	(0.910)	69161	25.0000	13.0	
	41 Benzene	78	8.221	8.233	(0.880)	103103	5.00000	4.7	
*	42 Pentafluorobenzene	168	8.511	8.512	(1.000)	518826	50.0000		
	43 Cyclohexane	56	6.724	6.736	(0.790)	29208	5.00000	4.3	
	44 Ethyl Methacrylate	69	11.785	11.774	(1.261)	24153	5.00000	3.8	
$	45 1,2-Dichloroethane-D4	65	8.500	8.500	(0.999)	31620	5.00000	4.9	
	46 Tertiary-amyl methyl ether	73	8.558	8.558	(1.005)	64780	5.00000	4.3	
	47 1,2-Dichloroethane	62	8.628	8.628	(0.923)	34069	5.00000	5.0	
	48 Trichloroethene	95	9.254	9.255	(0.990)	25747	5.00000	4.9	
*	49 1,4-Difluorobenzene	114	9.347	9.348	(1.000)	811049	50.0000		
	50 Dibromomethane	93	9.835	9.835	(1.052)	15762	5.00000	5.1	
	51 1,2-Dichloropropane	63	9.974	9.975	(1.067)	27403	5.00000	4.8	
	52 Bromodichloromethane	83	10.079	10.079	(1.078)	33415	5.00000	5.0	
	53 cis-1,3-dichloropropene	75	10.833	10.834	(1.159)	40646	5.00000	4.8	
	54 1,4-Dioxane	88	10.357	10.346	(1.108)	7662	100.000	33.1	
$	55 Toluene-D8	98	11.031	11.031	(1.180)	95512	5.00000	4.5	
	56 2-Chloroethylvinylether	63	10.799	10.799	(1.155)	13715	5.00000	4.0	
	57 Toluene	92	11.077	11.078	(1.185)	66424	5.00000	5.0	
	58 4-methyl-2-pentanone	43	11.530	11.530	(1.233)	139040	25.0000	12.6	
	59 Tetrachloroethene	164	11.495	11.484	(0.894)	23645	5.00000	5.2	
	60 trans-1,3-Dichloropropene	75	11.553	11.554	(1.236)	34182	5.00000	4.8	
	61 1,1,2-Trichloroethane	83	11.727	11.728	(1.255)	19957	5.00000	5.1	
	62 Dibromochloromethane	129	11.925	11.925	(0.928)	22855	5.00000	4.8	
	63 1,3-Dichloropropane	76	12.052	12.041	(0.938)	42011	5.00000	5.0	
	64 1,2-Dibromoethane	107	12.203	12.204	(1.306)	24103	5.00000	5.0	
	65 2-Hexanone	43	12.540	12.540	(0.976)	85884	25.0000	11.7	
*	66 Chlorobenzene-D5	117	12.853	12.854	(1.000)	681961	50.0000		
	67 Chlorobenzene	112	12.877	12.877	(1.002)	75572	5.00000	5.2	
	152 1-Chlorohexane	91	12.877	12.877	(1.513)	30992	5.00000	4.8	
	68 Ethylbenzene	106	12.923	12.923	(1.005)	34158	5.00000	4.7	
	69 1,1,1,2-Tetrachloroethane	131	12.958	12.958	(1.008)	22635	5.00000	4.9	
M	70 Xylenes (total)	106				117445	15.0000	11.8	
	71 m+p-Xylenes	106	13.120	13.121	(1.021)	81325	10.0000	7.5	
	72 o-Xylene	106	13.666	13.666	(1.063)	36120	5.00000	4.3	
	73 Styrene	104	13.736	13.736	(1.069)	64746	5.00000	4.3	
	74 Bromoform	173	13.747	13.748	(1.070)	15819	5.00000	4.9	
	75 Isopropylbenzene	105	14.084	14.073	(0.882)	70532	5.00000	4.3	
$	76 P-Bromofluorobenzene	95	14.432	14.433	(1.544)	33522	5.00000	4.5	

Data File: \\Target_server\GG\chem\gcms-f.i\F061308.b\F0838.D
Report Date: 25-Jun-2008 14:33

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)	REVIEW CODE
77 cis-1,4-Dichloro-2-Butene	53	14.537	14.537	(0.910)	7662	5.00000	4.3	
78 trans-1,4-Dichloro-2-Butene	53	14.966	14.967	(0.937)	8116	5.00000	4.6	
79 Bromobenzene	156	14.572	14.572	(0.912)	26079	5.00000	5.0	
80 N-Propylbenzene	91	14.630	14.630	(0.916)	99426	5.00000	4.6	
81 1,1,2,2-Tetrachloroethane	83	14.723	14.723	(0.922)	27877	5.00000	5.2	
82 1,3,5-Trimethylbenzene	105	14.908	14.909	(0.933)	66771	5.00000	4.6	
83 2-Chlorotoluene	91	14.827	14.827	(0.928)	66817	5.00000	4.8	
84 1,2,3-Trichloropropane	75	14.897	14.897	(0.932)	24477	5.00000	5.5	
85 4-Chlorotoluene	91	15.059	15.060	(0.943)	70477	5.00000	4.8	
86 tert-Butylbenzene	119	15.338	15.338	(0.960)	53439	5.00000	4.2	
87 Pentachloroethane	117	15.350	15.350	(0.961)	11399	5.00000	4.2	
88 1,2,4-Trimethylbenzene	105	15.442	15.443	(0.967)	71423	5.00000	4.6	
89 P-Isopropyltoluene	119	15.802	15.803	(0.989)	52054	5.00000	4.2	
90 1,3-Dichlorobenzene	146	15.860	15.861	(0.993)	44861	5.00000	5.1	
* 91 1,4-Dichlorobenzene-D4	152	15.976	15.977	(1.000)	310059	50.0000		
92 1,4-Dichlorobenzene	146	16.000	16.000	(1.001)	48717	5.00000	5.2	
93 N-Butylbenzene	91	16.394	16.395	(1.026)	45662	5.00000	4.2	
94 sec-Butylbenzene	105	15.593	15.582	(0.976)	71596	5.00000	4.4	
95 1,2-Dichlorobenzene	146	16.592	16.591	(1.039)	41835	5.00000	5.0	
96 1,2-Dibromo-3-Chloropropane	75	17.764	17.765	(1.112)	3744	5.00000	5.2	
97 1,3,5-Trichlorobenzene	180	17.822	17.823	(1.116)	24127	5.00000	4.8	
98 Hexachlorobutadiene	225	18.763	18.763	(1.174)	10559	5.00000	5.6	
99 1,2,4-Trichlorobenzene	180	18.786	18.786	(1.176)	21764	5.00000	4.9	
100 1,2,3-Trimethylbenzene	105	16.046	16.046	(1.004)	74887	5.00000	4.6	
101 Naphthalene	128	19.285	19.286	(1.207)	42597	5.00000	4.5	
102 1,2,3-Trichlorobenzene	180	19.564	19.564	(1.225)	18305	5.00000	5.4	
103 Methyl Acetate	43	4.378	4.379	(0.514)	26738	5.00000	4.6	
104 Methylcyclohexane	83	9.220	9.220	(1.083)	22715	5.00000	4.2	
M 153 Total Alkylbenzenes	100				460371	5.00000	30.9	

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: \\Target_server\GG\chem\gcms-f.i\F061308.b\F0838.D
Report Date: 25-Jun-2008 14:33

Katahdin Analytical Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcms-f.i
Lab File ID: F0838.D
Lab Smp Id: VSTD005F13A
Analysis Type: VOA
Quant Type: ISTD
Operator: SKT
Method File: \\target_server\GG\chem\gcms-f.i\F061308.b\F826a08.m
Misc Info: SW846 8260B

Calibration Date: 13-JUN-2008
Calibration Time: 16:08

Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 4

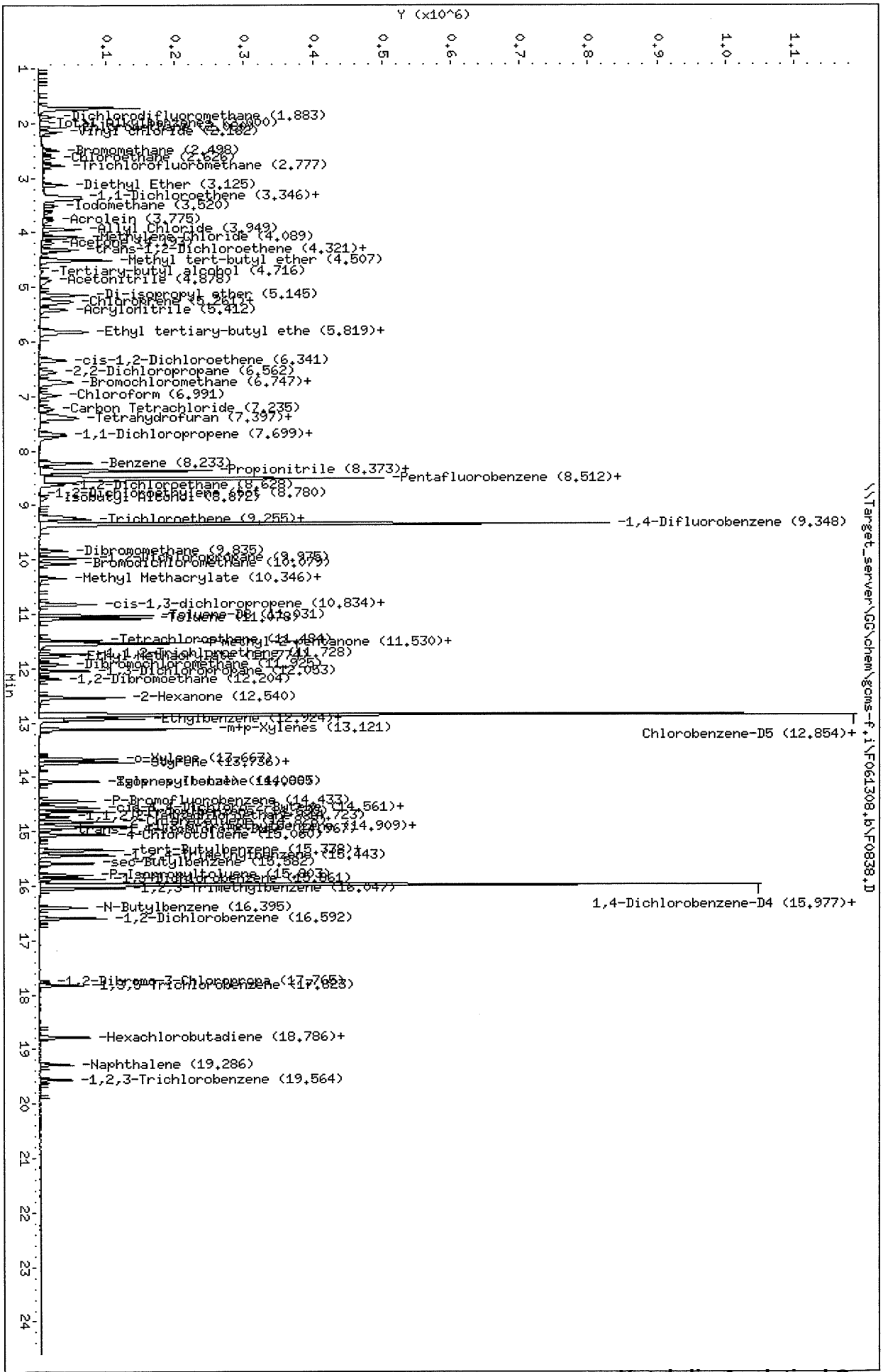
COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	549958	274979	1099916	518826	-5.66
49 1,4-Difluorobenze	859297	429649	1718594	811049	-5.61
66 Chlorobenzene-D5	720945	360473	1441890	681961	-5.41
91 1,4-Dichlorobenze	335414	167707	670828	310059	-7.56

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	8.51	8.01	9.01	8.51	0.00
49 1,4-Difluorobenze	9.35	8.85	9.85	9.35	0.00
66 Chlorobenzene-D5	12.85	12.35	13.35	12.85	0.00
91 1,4-Dichlorobenze	15.98	15.48	16.48	15.98	0.00

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.

Data File: \\Target_server\GC\chem\gcms-f.i\F061308.b\F0838.D
Date : 13-JUN-2008 17:09
Client ID:
Sample Info: VSTD005F13A
Purge Volume: 5.0
Column phase: RTX-VMS

Instrument: gcms-f.i
Operator: SKT
Column diameter: 0.18



Data File: \\Target_server\GG\chem\gcms-f.i\F061308.b\F0839.D
Report Date: 25-Jun-2008 14:33

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gcms-f.i\F061308.b\F0839.D
Lab Smp Id: VSTD001F13A
Inj Date : 13-JUN-2008 17:40
Operator : SKT Inst ID: gcms-f.i
Smp Info : VSTD001F13A
Misc Info : SW846 8260B
Comment :
Method : \\target_server\GG\chem\gcms-f.i\F061308.b\F826a08.m
Meth Date : 20-Jun-2008 13:40 sthompson Quant Type: ISTD
Cal Date : 13-JUN-2008 17:40 Cal File: F0839.D
Als bottle: 7 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.12
Processing Host: V200T1

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	sample purged
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)	REVIEW CODE
1 Dichlorodifluoromethane	85	1.882	1.883	(0.221)	4463	1.00000	0.95(a)	
2 Chloromethane	50	2.079	2.080	(0.244)	7953	1.00000	1.0	
3 Vinyl chloride	62	2.161	2.161	(0.254)	6284	1.00000	0.97(a)	
4 Bromomethane	94	2.497	2.498	(0.293)	3999	1.00000	1.2	SKT 062508
5 Chloroethane	64	2.625	2.626	(0.308)	4110	1.00000	1.1	
6 Trichlorofluoromethane	101	2.776	2.777	(0.326)	4601	1.00000	0.93(a)	
7 Diethyl Ether	59	3.136	3.125	(0.368)	4533	1.00000	1.0	
8 Tertiary-butyl alcohol	59	4.703	4.704	(0.553)	1667	5.00000	3.1(aM)	M1
9 1,1-Dichloroethene	96	3.345	3.346	(0.393)	4267	1.00000	1.0	
10 Carbon Disulfide	76	3.368	3.380	(0.396)	12452	1.00000	0.99(a)	
11 Freon-113	151	3.403	3.404	(0.400)	2948	1.00000	1.0	
12 Iodomethane	142	3.519	3.520	(0.413)	4806	1.00000	0.84(a)	
13 Acrolein	56	3.774	3.775	(0.443)	5458	5.00000	3.6(a)	
14 Methylene Chloride	84	4.099	4.089	(0.482)	7166	1.00000	1.2(a)	
15 Acetone	43	4.192	4.192	(0.493)	8620	5.00000	3.1(a)	
16 Isobutyl Alcohol	43	8.883	8.872	(1.044)	2622	20.0000	4.1(aM)	M10
17 trans-1,2-Dichloroethene	96	4.320	4.320	(0.508)	5293	1.00000	0.97(a)	
18 Allyl Chloride	41	3.949	3.949	(0.464)	10845	1.00000	1.1	
19 Methyl tert-butyl ether	73	4.517	4.507	(0.531)	22788	2.00000	1.4	
20 Acetonitrile	39	4.889	4.866	(0.574)	2219	10.0000	5.3(aM)	M9
21 Di-isopropyl ether	45	5.156	5.145	(0.606)	21728	1.00000	0.95(a)	
22 Chloroprene	53	5.260	5.261	(0.618)	7931	1.00000	0.89(a)	
23 Propionitrile	54	8.337	8.337	(0.980)	6413	10.0000	3.3(a)	

Data File: \\Target_server\GG\chem\gcms-f.i\F061308.b\F0839.D
Report Date: 25-Jun-2008 14:33

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)	REVIEW CODE
	24 Methacrylonitrile	41	8.372	8.372	(0.984)	35360	10.0000	3.3(a)	
	25 1,1-Dichloroethane	63	5.295	5.296	(0.622)	9559	1.00000	0.96(a)	
	26 Acrylonitrile	52	5.423	5.412	(0.637)	8534	5.00000	2.6(a)	
	27 Ethyl tertiary-butyl ether	59	5.829	5.818	(0.685)	14309	1.00000	0.82(a)	
	28 Vinyl Acetate	43	5.841	5.830	(0.625)	11007	1.00000	0.81(a)	
	29 cis-1,2-Dichloroethene	96	6.340	6.341	(0.745)	4832	1.00000	0.86(a)	
M	30 1,2-Dichloroethylene (total)	96				10125	1.00000	1.8(a)	
	31 Methyl Methacrylate	41	10.345	10.335	(1.107)	3576	1.00000	0.74(a)	
	32 2,2-Dichloropropane	77	6.561	6.561	(0.771)	4927	1.00000	0.94(a)	
	33 Bromochloromethane	128	6.770	6.759	(0.795)	2054	1.00000	0.87(a)	
	34 Chloroform	83	6.990	6.991	(0.821)	8365	1.00000	1.00	
	35 Carbon Tetrachloride	117	7.234	7.235	(0.774)	4536	1.00000	0.93(a)	
	36 Tetrahydrofuran	42	7.362	7.339	(0.865)	6643	5.00000	2.4(a)	
$	37 Dibromofluoromethane	113	7.397	7.409	(0.869)	6322	1.00000	1.1	SAT 06 25 08
	38 1,1,1-Trichloroethane	97	7.408	7.409	(0.870)	5915	1.00000	0.95(a)	
	39 1,1-Dichloropropene	75	7.698	7.699	(0.824)	5418	1.00000	0.86(a)	
	40 2-Butanone	43	7.756	7.746	(0.911)	11009	5.00000	2.3(a)	
	41 Benzene	78	8.232	8.233	(0.881)	19351	1.00000	0.92(a)	
*	42 Pentafluorobenzene	168	8.511	8.512	(1.000)	507017	50.0000		
	43 Cyclohexane	56	6.735	6.736	(0.791)	5339	1.00000	0.83(a)	
	44 Ethyl Methacrylate	69	11.785	11.774	(1.261)	4022	1.00000	0.68(a)	
$	45 1,2-Dichloroethane-D4	65	8.499	8.500	(0.999)	7733	1.00000	1.2	
	46 Tertiary-amyl methyl ether	73	8.558	8.558	(1.005)	13439	1.00000	0.93(a)	
	47 1,2-Dichloroethane	62	8.627	8.628	(0.923)	6325	1.00000	0.96(aM)	M10
	48 Trichloroethene	95	9.254	9.255	(0.990)	4562	1.00000	0.90(a)	
*	49 1,4-Difluorobenzene	114	9.347	9.348	(1.000)	794029	50.0000		
	50 Dibromomethane	93	9.835	9.835	(1.052)	2954	1.00000	0.98(a)	
	51 1,2-Dichloropropane	63	9.974	9.975	(1.067)	5140	1.00000	0.94(aM)	M6
	52 Bromodichloromethane	83	10.078	10.079	(1.078)	6019	1.00000	0.92(a)	
	53 cis-1,3-dichloropropene	75	10.833	10.834	(1.159)	6791	1.00000	0.84(a)	
	54 1,4-Dioxane	88	10.357	10.346	(1.108)	2125	20.0000	10.3(a)	
$	55 Toluene-D8	98	11.030	11.031	(1.180)	21443	1.00000	1.0	
	56 2-Chloroethylvinylether	63	10.798	10.799	(1.155)	1932	1.00000	0.63(a)	
	57 Toluene	92	11.088	11.078	(1.186)	10927	1.00000	0.86(a)	
	58 4-methyl-2-pentanone	43	11.530	11.530	(1.233)	20659	5.00000	2.1(a)	
	59 Tetrachloroethene	164	11.495	11.484	(0.894)	4435	1.00000	1.0	
	60 trans-1,3-Dichloropropene	75	11.553	11.554	(1.236)	5367	1.00000	0.80(a)	
	61 1,1,2-Trichloroethane	83	11.727	11.728	(1.255)	3447	1.00000	0.91(a)	
	62 Dibromochloromethane	129	11.936	11.925	(0.929)	3903	1.00000	0.88(a)	
	63 1,3-Dichloropropane	76	12.052	12.041	(0.938)	6934	1.00000	0.90(a)	
	64 1,2-Dibromoethane	107	12.203	12.204	(1.306)	3998	1.00000	0.87(aM)	M6
	65 2-Hexanone	43	12.540	12.540	(0.976)	11609	5.00000	1.9(a)	
*	66 Chlorobenzene-D5	117	12.853	12.854	(1.000)	643104	50.0000		
	67 Chlorobenzene	112	12.876	12.877	(1.002)	13416	1.00000	0.98(a)	
	152 1-Chlorohexane	91	12.876	12.877	(1.513)	6333	1.00000	1.0	
	68 Ethylbenzene	106	12.923	12.923	(1.005)	6205	1.00000	0.92(a)	
	69 1,1,1,2-Tetrachloroethane	131	12.958	12.958	(1.008)	4192	1.00000	0.96(aM)	M10
M	70 Xylenes (total)	106				19702	5.00000	2.2(a)	
	71 m+p-Xylenes	106	13.120	13.121	(1.021)	13810	2.00000	1.4(a)	
	72 o-Xylene	106	13.666	13.666	(1.063)	5892	1.00000	0.78(a)	
	73 Styrene	104	13.735	13.736	(1.069)	9423	1.00000	0.70(a)	
	74 Bromoform	173	13.747	13.748	(1.070)	2564	1.00000	0.87(a)	
	75 Isopropylbenzene	105	14.084	14.073	(0.882)	10807	1.00000	0.71(a)	
$	76 P-Bromofluorobenzene	95	14.444	14.433	(1.545)	7174	1.00000	0.99(a)	

Data File: \\Target_server\GG\chem\gcms-f.i\F061308.b\F0839.D
Report Date: 25-Jun-2008 14:33

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)	REVIEW CODE
77 cis-1,4-Dichloro-2-Butene	53	14.536	14.537	(0.910)	1207	1.00000	0.72(a)	
78 trans-1,4-Dichloro-2-Butene	53	14.966	14.967	(0.937)	1240	1.00000	0.75(a)	
79 Bromobenzene	156	14.571	14.572	(0.912)	4414	1.00000	0.89(a)	
80 N-Propylbenzene	91	14.629	14.630	(0.916)	15286	1.00000	0.76(a)	
81 1,1,2,2-Tetrachloroethane	83	14.734	14.723	(0.922)	4839	1.00000	0.93(a)	
82 1,3,5-Trimethylbenzene	105	14.908	14.909	(0.933)	9833	1.00000	0.72(a)	
83 2-Chlorotoluene	91	14.827	14.827	(0.928)	11600	1.00000	0.86(a)	
84 1,2,3-Trichloropropane	75	14.896	14.897	(0.932)	4046	1.00000	0.94(a)	
85 4-Chlorotoluene	91	15.059	15.060	(0.943)	10979	1.00000	0.80(a)	
86 tert-Butylbenzene	119	15.338	15.338	(0.960)	8897	1.00000	0.75(a)	
87 Pentachloroethane	117	15.349	15.350	(0.961)	2642	1.00000	0.99(a)	
88 1,2,4-Trimethylbenzene	105	15.442	15.443	(0.967)	10058	1.00000	0.69(a)	
89 P-Isopropyltoluene	119	15.802	15.803	(0.989)	7943	1.00000	0.69(a)	
90 1,3-Dichlorobenzene	146	15.860	15.861	(0.993)	7855	1.00000	0.92(a)	
* 91 1,4-Dichlorobenzene-D4	152	15.976	15.977	(1.000)	304868	50.0000		
92 1,4-Dichlorobenzene	146	15.999	16.000	(1.001)	9731	1.00000	1.0	
93 N-Butylbenzene	91	16.394	16.395	(1.026)	7944	1.00000	0.78(a)	
94 sec-Butylbenzene	105	15.593	15.582	(0.976)	11342	1.00000	0.75(a)	
95 1,2-Dichlorobenzene	146	16.591	16.591	(1.039)	7544	1.00000	0.93(a)	
96 1,2-Dibromo-3-Chloropropane	75	17.764	17.765	(1.112)	821	1.00000	1.1	
97 1,3,5-Trichlorobenzene	180	17.822	17.823	(1.116)	5215	1.00000	1.0	
98 Hexachlorobutadiene	225	18.762	18.763	(1.174)	3025	1.00000	1.5	
99 1,2,4-Trichlorobenzene	180	18.786	18.786	(1.176)	4502	1.00000	1.0	
100 1,2,3-Trimethylbenzene	105	16.046	16.046	(1.004)	14240	1.00000	0.90(a)	
101 Naphthalene	128	19.285	19.286	(1.207)	7161	1.00000	0.80(a)	
102 1,2,3-Trichlorobenzene	180	19.563	19.564	(1.225)	3855	1.00000	1.1	
103 Methyl Acetate	43	4.378	4.379	(0.514)	5865	1.00000	1.0	
104 Methylcyclohexane	83	9.219	9.220	(1.083)	4776	1.00000	0.92(a)	
M 153 Total Alkylbenzenes	100				71303	1.00000	5.2(a)	

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
M - Compound response manually integrated.

Data File: \\Target_server\GG\chem\gcms-f.i\F061308.b\F0839.D
Report Date: 25-Jun-2008 14:33

Katahdin Analytical Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcms-f.i
Lab File ID: F0839.D
Lab Smp Id: VSTD001F13A
Analysis Type: VOA
Quant Type: ISTD
Operator: SKT
Method File: \\target_server\GG\chem\gcms-f.i\F061308.b\F826a08.m
Misc Info: SW846 8260B

Calibration Date: 13-JUN-2008
Calibration Time: 16:08

Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 4

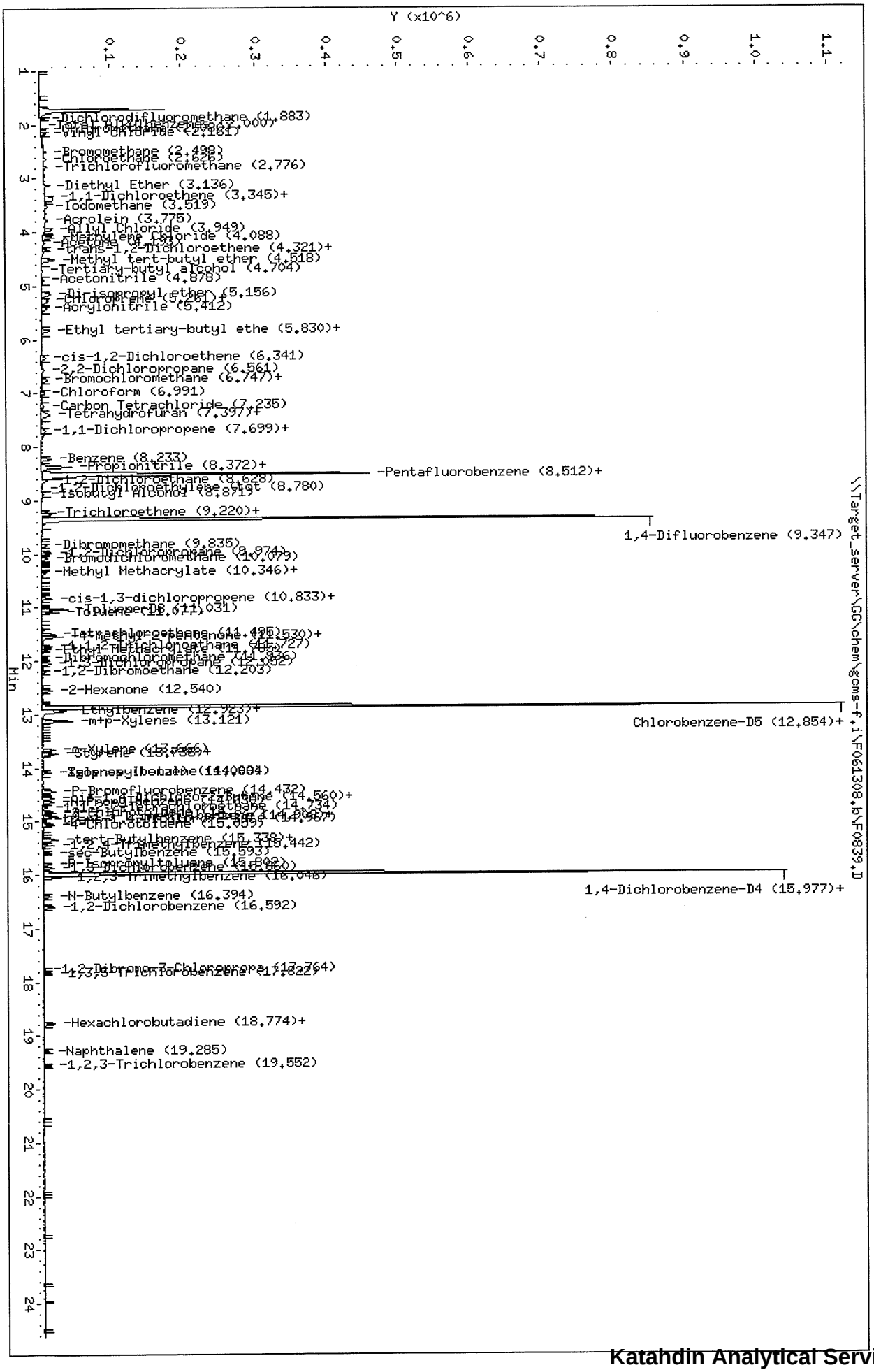
COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	549958	274979	1099916	507017	-7.81
49 1,4-Difluorobenze	859297	429649	1718594	794029	-7.60
66 Chlorobenzene-D5	720945	360473	1441890	643104	-10.80
91 1,4-Dichlorobenze	335414	167707	670828	304868	-9.11

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	8.51	8.01	9.01	8.51	-0.00
49 1,4-Difluorobenze	9.35	8.85	9.85	9.35	-0.00
66 Chlorobenzene-D5	12.85	12.35	13.35	12.85	-0.00
91 1,4-Dichlorobenze	15.98	15.48	16.48	15.98	-0.00

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.

Data File: \\Target_server\GC\chem\gcms-f.i\F061308.b\F0839.D
Date : 13-JUN-2008 17:40
Client ID:
Sample Info: VSTD001F13A
Purge Volume: 5.0
Column phase: RTX-VMS

Instrument: gcms-f.i
Operator: SKT
Column diameter: 0.18



FORM 6
VOLATILE INITIAL CALIBRATION DATA

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project CTO 426 NLON SDG No.: CTO426-3

Instrument ID: GCMS-S Calibration Date(s): 06/16/08 06/16/08

Column: RTX-VMS ID: 0.18 (mm) Calibration Time(s): 0936 1332

LAB FILE ID: RF1: S1375 RF5: S1372 RF20: S1371
RF50: S1370 RF100: S1369 RF200: S1368

COMPOUND	RF1	RF5	RF20	RF50	RF100	RF200	CURVE	COEFF. A1	%RSD OR R^2	MAX %RSD OR R^2
Methyl tert-butyl ether	1.233	1.099	1.171	1.167	1.131	1.169	AVRG	1.16160498	3.867	15.000
Benzene	1.234	1.370	1.127	1.202	1.062	1.158	AVRG	1.19208118	8.854	15.000
Toluene	0.800	0.814	0.694	0.730	0.668	0.700	AVRG	0.73439700	8.140	15.000
Ethylbenzene	0.542	0.508	0.471	0.472	0.451	0.456	AVRG	0.48332683	7.279	15.000
Xylenes (total)							AVRG			0.000
m+p-Xylenes	0.670	0.640	0.591	0.578	0.583	0.525	AVRG	0.59788293	8.485	15.000
o-Xylene	0.680	0.633	0.599	0.584	0.587	0.595	AVRG	0.61304619	6.116	15.000
Isopropylbenzene	2.491	2.729	2.622	2.492	2.274	2.377	AVRG	2.49760882	6.550	15.000
Naphthalene	1.970	2.162	1.958	2.075	1.998	2.141	AVRG	2.05078259	4.297	15.000
Dibromofluoromethane	0.547	0.468	0.503	0.527	0.518	0.550	AVRG	0.51883556	5.896	15.000
1,2-Dichloroethane-D4	0.714	0.533	0.573	0.581	0.569	0.602	AVRG	0.59533880	10.485	15.000
Toluene-D8	1.155	0.957	0.962	1.072	0.963	0.933	AVRG	1.00704627	8.668	15.000
P-Bromofluorobenzene	0.554	0.414	0.403	0.437	0.394	0.411	AVRG	0.43542388	13.725	15.000

Average %RSD test result.

Calculate Average %RSD: 6.759081841
Maximum Average %RSD: 15.00000000

Note: Passes Average %RSD Test.

FORM VI VOA

Data File: \\Target_server\GG\chem\gcms-s.i\S061608.b\S1368.D
Report Date: 25-Jun-2008 15:27

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gcms-s.i\S061608.b\S1368.D
Lab Smp Id: VSTD200S16A
Inj Date : 16-JUN-2008 09:36
Operator : SKT Inst ID: gcms-s.i
Smp Info : VSTD200S16A
Misc Info : SW846 8260B
Comment :
Method : \\Target_server\GG\chem\gcms-s.i\S061608.b\s826a58.m
Meth Date : 25-Jun-2008 15:23 gcms-s.i Quant Type: ISTD
Cal Date : 16-JUN-2008 09:36 Cal File: S1368.D
Als bottle: 2 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.12

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	sample purged
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	ON-COL (ug/l)	REVIEW CODE
1 Dichlorodifluoromethane	85	2.119	2.120	(0.232)	809722	200.000	215(A)	
2 Chloromethane	50	2.340	2.341	(0.256)	866543	200.000	182	
3 Vinyl chloride	62	2.433	2.434	(0.266)	824534	200.000	203(A)	
4 Bromomethane	94	2.817	2.817	(0.309)	378691	200.000	216(A)	
5 Chloroethane	64	2.968	2.969	(0.325)	369472	200.000	178	
6 Trichlorofluoromethane	101	3.131	3.131	(0.343)	803021	200.000	201(A)	
7 Diethyl Ether	59	3.538	3.527	(0.387)	463235	200.000	193	
8 Tertiary-butyl alcohol	59	5.387	5.376	(0.590)	240948	1000.00	1010(A)	
9 1,1-Dichloroethene	96	3.782	3.783	(0.414)	503902	200.000	196	
10 Carbon Disulfide	76	3.817	3.818	(0.418)	1547480	200.000	196	
11 Freon-113	151	3.852	3.853	(0.422)	428860	200.000	217(A)	
12 Iodomethane	142	3.980	3.980	(0.436)	539801	200.000	201(A)	
13 Acrolein	56	4.282	4.283	(0.469)	581001	1000.00	1060(A)	
14 Methylene Chloride	84	4.655	4.655	(0.510)	655241	200.000	200	
15 Acetone	43	4.759	4.760	(0.521)	1102283	1000.00	930	
16 Isobutyl Alcohol	43	9.434	9.423	(1.033)	428716	4000.00	3970	
17 trans-1,2-Dichloroethene	96	4.910	4.911	(0.538)	619648	200.000	206(A)	
18 Allyl Chloride	41	4.480	4.481	(0.491)	1120160	200.000	206(A)	
19 Methyl tert-butyl ether	73	5.120	5.120	(0.561)	3390812	400.000	403(A)	
20 Acetonitrile	39	5.573	5.574	(0.610)	161933	2000.00	1990	
21 Di-isopropyl ether	45	5.852	5.841	(0.641)	2573325	200.000	197	
22 Chloroprene	53	5.980	5.981	(0.655)	1254192	200.000	220(A)	
23 Propionitrile	54	9.027	9.005	(0.989)	852175	2000.00	1960	
24 Methacrylonitrile	41	9.051	9.028	(0.991)	4492723	2000.00	1830	

Data File: \\Target_server\GG\chem\gcms-s.i\S061608.b\S1368.D
Report Date: 25-Jun-2008 15:27

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)	REVIEW CODE
	25 1,1-Dichloroethane	63	6.039	6.027	(0.661)	1234351	200.000	200	
	26 Acrylonitrile	52	6.178	6.167	(0.677)	1094961	1000.00	1020(A)	
	27 Ethyl tertiary-butyl ether	59	6.632	6.620	(0.726)	2503471	200.000	213(A)	
	28 Vinyl Acetate	43	6.643	6.644	(0.675)	1841999	200.000	208(A)	
	29 cis-1,2-Dichloroethene	96	7.236	7.225	(0.792)	714376	200.000	198	
M	30 1,2-Dichloroethylene (total)	96				1334024	200.000	(a)	
	31 Methyl Methacrylate	41	10.725	10.726	(1.090)	752306	200.000	222(A)	
	32 2,2-Dichloropropane	77	7.457	7.458	(0.817)	1000659	200.000	206(A)	
	33 Bromochloromethane	128	7.667	7.667	(0.840)	355282	200.000	208(A)	
	34 Chloroform	83	7.888	7.876	(0.864)	1172911	200.000	198	
	35 Carbon Tetrachloride	117	8.097	8.086	(0.823)	827758	200.000	211(A)	
	36 Tetrahydrofuran	42	8.202	8.189	(0.898)	934141	1000.00	971	
$	37 Dibromofluoromethane	113	8.260	8.249	(0.904)	796866	200.000	212(A)	
	38 1,1,1-Trichloroethane	97	8.248	8.237	(0.903)	989801	200.000	211(A)	
	39 1,1-Dichloropropene	75	8.492	8.481	(0.863)	968590	200.000	212(A)	
	40 2-Butanone	43	8.527	8.528	(0.934)	1760277	1000.00	992	
	41 Benzene	78	8.911	8.900	(0.905)	2534029	200.000	194	
*	42 Pentafluorobenzene	168	9.132	9.132	(1.000)	362458	50.0000		
	43 Cyclohexane	56	7.620	7.621	(0.834)	952171	200.000	212(A)	
	44 Ethyl Methacrylate	69	12.167	12.168	(1.236)	860442	200.000	213(A)	
$	45 1,2-Dichloroethane-D4	65	9.144	9.132	(1.001)	872477	200.000	202(A)	
	46 Tertiary-amyl methyl ether	73	9.167	9.167	(1.004)	2026662	200.000	212(A)	
	47 1,2-Dichloroethane	62	9.237	9.237	(0.939)	1066007	200.000	208(A)	
	48 Trichloroethene	95	9.772	9.772	(0.993)	674305	200.000	197	
*	49 1,4-Difluorobenzene	114	9.841	9.842	(1.000)	547078	50.0000		
	50 Dibromomethane	93	10.295	10.295	(1.046)	479872	200.000	200	
	51 1,2-Dichloropropane	63	10.411	10.412	(1.058)	683058	200.000	208(A)	
	52 Bromodichloromethane	83	10.516	10.505	(1.069)	1000557	200.000	205(A)	
	53 cis-1,3-dichloropropene	75	11.202	11.203	(1.138)	1143743	200.000	202(A)	
	54 1,4-Dioxane	88	10.760	10.761	(1.093)	69987	4000.00	2040	
$	55 Toluene-D8	98	11.400	11.400	(1.158)	2040985	200.000	185	
	56 2-Chloroethylvinylether	63	11.156	11.156	(1.134)	340201	200.000	227(A)	
	57 Toluene	92	11.458	11.458	(1.164)	1532431	200.000	191	
	58 4-methyl-2-pentanone	43	11.923	11.924	(1.212)	3389821	1000.00	945	
	59 Tetrachloroethene	164	11.888	11.889	(0.894)	538683	200.000	182	
	60 trans-1,3-Dichloropropene	75	11.958	11.958	(1.215)	1001150	200.000	206(A)	
	61 1,1,2-Trichloroethane	83	12.144	12.145	(1.234)	505909	200.000	202(A)	
	62 Dibromochloromethane	129	12.365	12.366	(0.930)	838693	200.000	216(A)	
	63 1,3-Dichloropropane	76	12.481	12.482	(0.939)	1054252	200.000	202(A)	
	64 1,2-Dibromoethane	107	12.644	12.645	(1.285)	713817	200.000	203(A)	
	65 2-Hexanone	43	12.958	12.947	(0.975)	2494288	1000.00	944	
*	66 Chlorobenzene-D5	117	13.296	13.284	(1.000)	458169	50.0000		
	67 Chlorobenzene	112	13.319	13.308	(1.002)	1680495	200.000	193	
	152 1-Chlorohexane	91	13.296	13.296	(1.456)	887544	200.000	188	
	68 Ethylbenzene	106	13.354	13.354	(1.004)	835324	200.000	189	
	69 1,1,1,2-Tetrachloroethane	131	13.400	13.401	(1.008)	604378	200.000	190	
M	70 Xylenes (total)	106				3016124	600.000	(a)	
	71 m+p-Xylenes	106	13.540	13.540	(1.018)	1925792	400.000	352	
	72 o-Xylene	106	14.098	14.087	(1.060)	1090332	200.000	194	
	73 Styrene	104	14.168	14.168	(1.066)	1791062	200.000	189	
	74 Bromoform	173	14.203	14.191	(1.068)	566974	200.000	214(A)	
	75 Isopropylbenzene	105	14.505	14.505	(0.883)	2297133	200.000	190	
$	76 P-Bromofluorobenzene	95	14.889	14.878	(1.513)	900444	200.000	189	
	77 cis-1,4-Dichloro-2-Butene	53	14.982	14.982	(0.912)	246202	200.000	223(A)	

Data File: \\Target_server\GG\chem\gcms-s.i\S061608.b\S1368.D
Report Date: 25-Jun-2008 15:27

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)	REVIEW CODE
78	trans-1,4-Dichloro-2-Butene	53	15.412	15.413	(0.938)	262843	200.000	227(A)	
79	Bromobenzene	156	15.028	15.017	(0.914)	743095	200.000	191	
80	N-Propylbenzene	91	15.063	15.064	(0.917)	3153894	200.000	188	
81	1,1,2,2-Tetrachloroethane	83	15.168	15.168	(0.923)	790493	200.000	203(A)	
82	1,3,5-Trimethylbenzene	105	15.342	15.331	(0.933)	1948320	200.000	176	
83	2-Chlorotoluene	91	15.273	15.273	(0.929)	1982547	200.000	188	
84	1,2,3-Trichloropropane	75	15.354	15.343	(0.934)	567591	200.000	182	
85	4-Chlorotoluene	91	15.505	15.506	(0.943)	2036633	200.000	190	
86	tert-Butylbenzene	119	15.773	15.773	(0.960)	2315573	200.000	208(A)	
87	Pentachloroethane	117	15.796	15.796	(0.961)	589592	200.000	206(A)	
88	1,2,4-Trimethylbenzene	105	15.877	15.866	(0.966)	2371489	200.000	195	
89	P-Isopropyltoluene	119	16.226	16.227	(0.987)	2303360	200.000	203(A)	
90	1,3-Dichlorobenzene	146	16.319	16.320	(0.993)	1356062	200.000	192	
* 91	1,4-Dichlorobenzene-D4	152	16.436	16.424	(1.000)	241628	50.0000		
92	1,4-Dichlorobenzene	146	16.459	16.448	(1.001)	1331576	200.000	186	
93	N-Butylbenzene	91	16.831	16.831	(1.024)	2194419	200.000	202(A)	
94	sec-Butylbenzene	105	16.017	16.017	(0.975)	2867817	200.000	199	
95	1,2-Dichlorobenzene	146	17.052	17.052	(1.038)	1254524	200.000	186	
96	1,2-Dibromo-3-Chloropropane	75	18.227	18.227	(1.109)	151265	200.000	206(A)	
97	1,3,5-Trichlorobenzene	180	18.285	18.273	(1.113)	1053377	200.000	214(A)	
98	Hexachlorobutadiene	225	19.215	19.215	(1.169)	409433	200.000	209(A)	
99	1,2,4-Trichlorobenzene	180	19.250	19.250	(1.171)	910681	200.000	189	
100	1,2,3-Trimethylbenzene	105	16.494	16.482	(1.004)	2278753	200.000	194	
101	Naphthalene	128	19.750	19.750	(1.202)	2069104	200.000	209(A)	
102	1,2,3-Trichlorobenzene	180	20.029	20.030	(1.219)	897525	200.000	200(A)	
103	Methyl Acetate	43	4.969	4.969	(0.544)	582732	200.000	210(A)	
104	Methylcyclohexane	83	9.737	9.737	(1.066)	974028	200.000	217(A)	
M 153	Total Alkylbenzenes	100				17154872	200.000	(a)	

QC Flag Legend

a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).
A - Target compound detected but, quantitated amount exceeded maximum amount.

Data File: \\Target_server\GG\chem\gcms-s.i\S061608.b\S1368.D
Report Date: 25-Jun-2008 15:27

Katahdin Analytical Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcms-s.i
Lab File ID: S1368.D
Lab Smp Id: VSTD200S16A
Analysis Type: VOA
Quant Type: ISTD
Operator: SKT
Method File: \\Target_server\GG\chem\gcms-s.i\S061608.b\s826a58.m
Misc Info: SW846 8260B

Calibration Date: 16-JUN-2008
Calibration Time: 10:39

Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 4

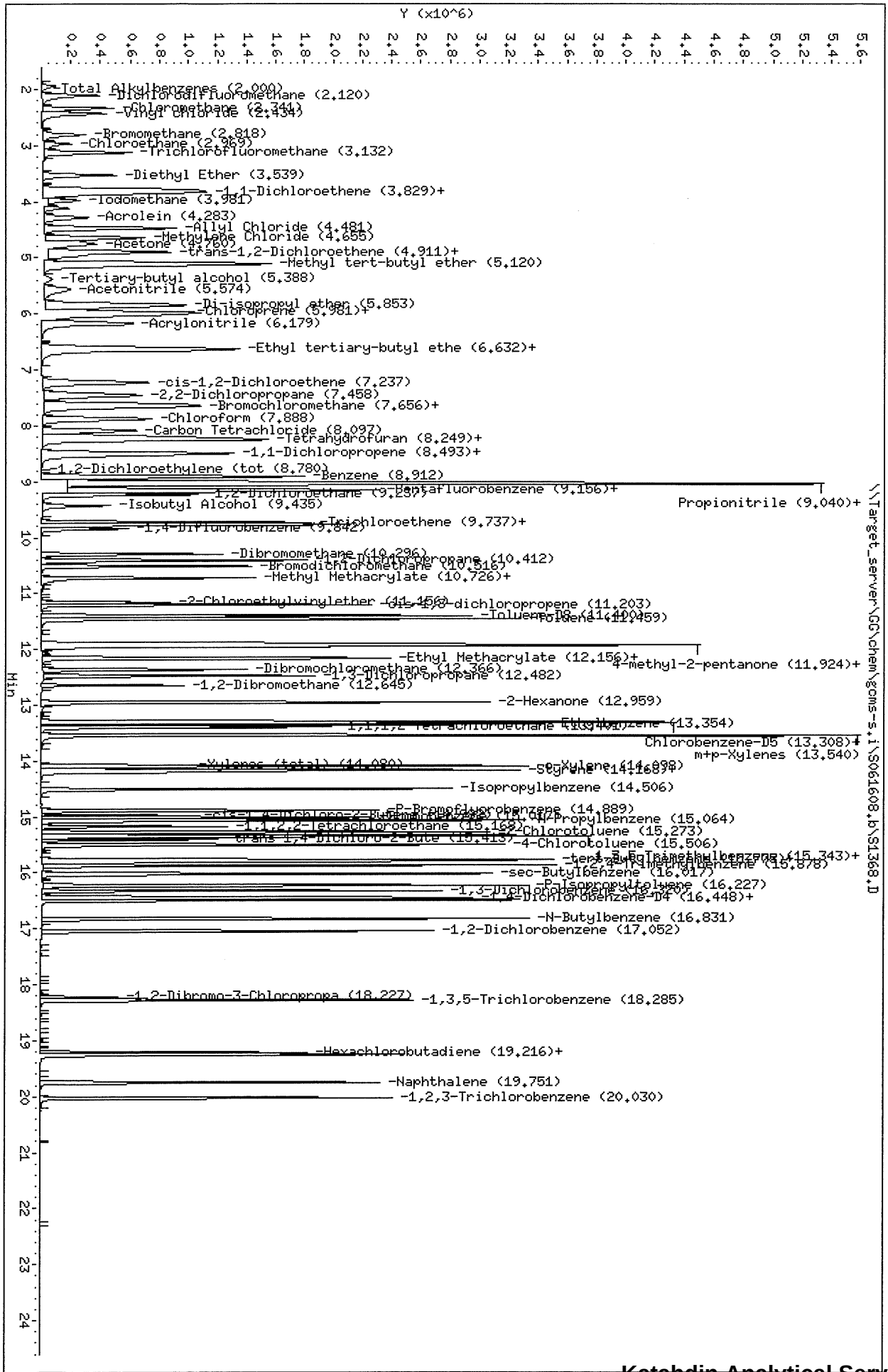
COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	390919	195460	781838	362458	-7.28
49 1,4-Difluorobenze	592560	296280	1185120	547078	-7.68
66 Chlorobenzene-D5	505984	252992	1011968	458169	-9.45
91 1,4-Dichlorobenze	260532	130266	521064	241628	-7.26

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	9.13	8.63	9.63	9.13	0.00
49 1,4-Difluorobenze	9.84	9.34	10.34	9.84	0.00
66 Chlorobenzene-D5	13.28	12.78	13.78	13.30	0.09
91 1,4-Dichlorobenze	16.42	15.92	16.92	16.44	0.07

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.

Data File: \\Target_server\GC\chem\gcms-s.i\S061608.b\S1368.D
Date : 16-JUN-2008 09:36
Client ID:
Sample Info: VSTD200S16A
Purge Volume: 5.0
Column phase: RTX-VMS

Instrument: gcms-s.i
Operator: SKT
Column diameter: 0.18



Data File: \\Target_server\GG\chem\gcms-s.i\S061608.b\S1369.D
Report Date: 25-Jun-2008 15:27

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gcms-s.i\S061608.b\S1369.D
Lab Smp Id: VSTD100S16A
Inj Date : 16-JUN-2008 10:07
Operator : SKT Inst ID: gcms-s.i
Smp Info : VSTD100S16A
Misc Info : SW846 8260B
Comment :
Method : \\Target_server\GG\chem\gcms-s.i\S061608.b\s826a58.m
Meth Date : 25-Jun-2008 15:23 gcms-s.i Quant Type: ISTD
Cal Date : 16-JUN-2008 10:07 Cal File: S1369.D
Als bottle: 3 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.12

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	sample purged
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)	REVIEW CODE
1 Dichlorodifluoromethane	85	2.114	2.120	(0.232)	358229	100.000	91.0	
2 Chloromethane	50	2.335	2.341	(0.256)	453174	100.000	91.1	
3 Vinyl chloride	62	2.428	2.434	(0.266)	388492	100.000	91.4	
4 Bromomethane	94	2.812	2.817	(0.308)	180086	100.000	98.4	
5 Chloroethane	64	2.974	2.969	(0.326)	179961	100.000	83.2	
6 Trichlorofluoromethane	101	3.126	3.131	(0.343)	366386	100.000	87.6	
7 Diethyl Ether	59	3.533	3.527	(0.387)	242137	100.000	96.5	
8 Tertiary-butyl alcohol	59	5.382	5.376	(0.590)	117206	500.000	472	
9 1,1-Dichloroethene	96	3.788	3.783	(0.415)	242750	100.000	90.4	
10 Carbon Disulfide	76	3.823	3.818	(0.419)	764266	100.000	92.7	
11 Freon-113	151	3.847	3.853	(0.422)	196525	100.000	95.2	
12 Iodomethane	142	3.986	3.980	(0.437)	269362	100.000	97.2	
13 Acrolein	56	4.289	4.283	(0.470)	288348	500.000	504	
14 Methylene Chloride	84	4.649	4.655	(0.509)	326950	100.000	95.4	
15 Acetone	43	4.765	4.760	(0.522)	568648	500.000	459	
16 Isobutyl Alcohol	43	9.429	9.423	(1.033)	227460	2000.00	2000	
17 trans-1,2-Dichloroethene	96	4.905	4.911	(0.537)	294290	100.000	93.8	
18 Allyl Chloride	41	4.475	4.481	(0.490)	542334	100.000	95.6	
19 Methyl tert-butyl ether	73	5.114	5.120	(0.560)	1712967	200.000	195	
20 Acetonitrile	39	5.568	5.574	(0.610)	85749	1000.00	1010	
21 Di-isopropyl ether	45	5.847	5.841	(0.641)	1353983	100.000	99.1	
22 Chloroprene	53	5.975	5.981	(0.655)	583799	100.000	98.0	
23 Propionitrile	54	9.010	9.005	(0.987)	432621	1000.00	954	
24 Methacrylonitrile	41	9.033	9.028	(0.990)	2364165	1000.00	924	

Data File: \\Target_server\GG\chem\gcms-s.i\S061608.b\S1369.D
Report Date: 25-Jun-2008 15:27

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)	REVIEW CODE
	25 1,1-Dichloroethane	63	6.021	6.027	(0.660)	603268	100.000	93.4	
	26 Acrylonitrile	52	6.173	6.167	(0.676)	538553	500.000	478	
	27 Ethyl tertiary-butyl ether	59	6.626	6.620	(0.726)	1152606	100.000	93.7	
	28 Vinyl Acetate	43	6.638	6.644	(0.674)	882876	100.000	95.0	
	29 cis-1,2-Dichloroethene	96	7.231	7.225	(0.792)	361389	100.000	95.7	
M	30 1,2-Dichloroethylene (total)	96				655679	100.000	(a)	
	31 Methyl Methacrylate	41	10.720	10.726	(1.089)	345865	100.000	97.0	
	32 2,2-Dichloropropane	77	7.463	7.458	(0.818)	457907	100.000	90.0	
	33 Bromochloromethane	128	7.661	7.667	(0.839)	178538	100.000	100	
	34 Chloroform	83	7.882	7.876	(0.864)	585424	100.000	94.8	
	35 Carbon Tetrachloride	117	8.091	8.086	(0.822)	379988	100.000	92.3	
	36 Tetrahydrofuran	42	8.196	8.189	(0.898)	495667	500.000	493	
$	37 Dibromofluoromethane	113	8.254	8.249	(0.904)	392332	100.000	99.8	
	38 1,1,1-Trichloroethane	97	8.243	8.237	(0.903)	463263	100.000	94.7	
	39 1,1-Dichloropropene	75	8.487	8.481	(0.862)	443146	100.000	92.1	
	40 2-Butanone	43	8.522	8.528	(0.934)	912202	500.000	492	
	41 Benzene	78	8.906	8.900	(0.904)	1220881	100.000	89.1	
*	42 Pentafluorobenzene	168	9.127	9.132	(1.000)	378740	50.0000		
	43 Cyclohexane	56	7.626	7.621	(0.836)	429322	100.000	91.4	
	44 Ethyl Methacrylate	69	12.162	12.168	(1.235)	399440	100.000	94.2	
$	45 1,2-Dichloroethane-D4	65	9.138	9.132	(1.001)	431210	100.000	95.6	
	46 Tertiary-amyl methyl ether	73	9.161	9.167	(1.004)	943160	100.000	94.3	
	47 1,2-Dichloroethane	62	9.243	9.237	(0.939)	509996	100.000	94.9	
	48 Trichloroethene	95	9.766	9.772	(0.992)	337014	100.000	93.6	
*	49 1,4-Difluorobenzene	114	9.848	9.842	(1.000)	574667	50.0000		
	50 Dibromomethane	93	10.289	10.295	(1.045)	238512	100.000	94.6	
	51 1,2-Dichloropropane	63	10.417	10.412	(1.058)	341390	100.000	99.1	
	52 Bromodichloromethane	83	10.510	10.505	(1.067)	502281	100.000	98.0	
	53 cis-1,3-dichloropropene	75	11.197	11.203	(1.137)	580658	100.000	97.4	
	54 1,4-Dioxane	88	10.755	10.761	(1.092)	61651	2000.00	1710	
$	55 Toluene-D8	98	11.394	11.400	(1.157)	1106502	100.000	95.6	
	56 2-Chloroethylvinylether	63	11.162	11.156	(1.133)	164461	100.000	104	
	57 Toluene	92	11.452	11.458	(1.163)	767339	100.000	90.9	
	58 4-methyl-2-pentanone	43	11.918	11.924	(1.210)	1696232	500.000	450	
	59 Tetrachloroethene	164	11.894	11.889	(0.895)	270968	100.000	90.6	
	60 trans-1,3-Dichloropropene	75	11.953	11.958	(1.214)	492046	100.000	96.5	
	61 1,1,2-Trichloroethane	83	12.150	12.145	(1.234)	249448	100.000	94.7	
	62 Dibromochloromethane	129	12.360	12.366	(0.930)	405269	100.000	103	
	63 1,3-Dichloropropane	76	12.476	12.482	(0.939)	502878	100.000	95.4	
	64 1,2-Dibromoethane	107	12.639	12.645	(1.283)	360874	100.000	97.8	
	65 2-Hexanone	43	12.953	12.947	(0.975)	1343487	500.000	503	
*	66 Chlorobenzene-D5	117	13.290	13.284	(1.000)	463114	50.0000		
	67 Chlorobenzene	112	13.313	13.308	(1.002)	854515	100.000	97.2	
	152 1-Chlorohexane	91	13.290	13.296	(1.456)	417629	100.000	84.9	
	68 Ethylbenzene	106	13.348	13.354	(1.004)	417358	100.000	93.2	
	69 1,1,1,2-Tetrachloroethane	131	13.395	13.401	(1.008)	331789	100.000	103	
M	70 Xylenes (total)	106				1624047	300.000	(a)	
	71 m+p-Xylenes	106	13.534	13.540	(1.018)	1080475	200.000	195	
	72 o-Xylene	106	14.092	14.087	(1.060)	543572	100.000	95.7	
	73 Styrene	104	14.162	14.168	(1.066)	969721	100.000	101	
	74 Bromoform	173	14.197	14.191	(1.068)	289073	100.000	108	
	75 Isopropylbenzene	105	14.511	14.505	(0.883)	1180817	100.000	91.0	
$	76 P-Bromofluorobenzene	95	14.883	14.878	(1.511)	452515	100.000	90.4	
	77 cis-1,4-Dichloro-2-Butene	53	14.976	14.982	(0.912)	122508	100.000	103	

Data File: \\Target_server\GG\chem\gcms-s.i\S061608.b\S1369.D
Report Date: 25-Jun-2008 15:27

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)	REVIEW CODE
78 trans-1,4-Dichloro-2-Butene	53	15.407	15.413	(0.938)	115710	100.000	93.2	
79 Bromobenzene	156	15.023	15.017	(0.914)	395289	100.000	94.4	
80 N-Propylbenzene	91	15.058	15.064	(0.916)	1626998	100.000	90.3	
81 1,1,2,2-Tetrachloroethane	83	15.174	15.168	(0.924)	393877	100.000	94.2	
82 1,3,5-Trimethylbenzene	105	15.337	15.331	(0.933)	1130890	100.000	95.1	
83 2-Chlorotoluene	91	15.267	15.273	(0.929)	1028966	100.000	91.0	
84 1,2,3-Trichloropropane	75	15.348	15.343	(0.934)	316993	100.000	94.4	
85 4-Chlorotoluene	91	15.500	15.506	(0.943)	1086148	100.000	94.2	
86 tert-Butylbenzene	119	15.767	15.773	(0.960)	1142388	100.000	95.3	
87 Pentachloroethane	117	15.802	15.796	(0.962)	261659	100.000	87.1	
88 1,2,4-Trimethylbenzene	105	15.872	15.866	(0.966)	1195965	100.000	91.6	
89 P-Isopropyltoluene	119	16.221	16.227	(0.987)	1102641	100.000	90.6	
90 1,3-Dichlorobenzene	146	16.325	16.320	(0.994)	701468	100.000	92.7	
* 91 1,4-Dichlorobenzene-D4	152	16.430	16.424	(1.000)	259600	50.0000		
92 1,4-Dichlorobenzene	146	16.453	16.448	(1.001)	719358	100.000	93.5	
93 N-Butylbenzene	91	16.825	16.831	(1.024)	1163273	100.000	99.9	
94 sec-Butylbenzene	105	16.023	16.017	(0.975)	1463811	100.000	94.8	
95 1,2-Dichlorobenzene	146	17.046	17.052	(1.038)	687685	100.000	95.1	
96 1,2-Dibromo-3-Chloropropane	75	18.233	18.227	(1.110)	88041	100.000	111	
97 1,3,5-Trichlorobenzene	180	18.279	18.273	(1.113)	487114	100.000	92.2	
98 Hexachlorobutadiene	225	19.221	19.215	(1.170)	199690	100.000	95.0	
99 1,2,4-Trichlorobenzene	180	19.256	19.250	(1.172)	504076	100.000	97.2	
100 1,2,3-Trimethylbenzene	105	16.488	16.482	(1.004)	1233385	100.000	97.5	
101 Naphthalene	128	19.745	19.750	(1.202)	1037636	100.000	97.4	
102 1,2,3-Trichlorobenzene	180	20.035	20.030	(1.219)	446943	100.000	92.9	
103 Methyl Acetate	43	4.963	4.969	(0.544)	268577	100.000	92.5	
104 Methylcyclohexane	83	9.731	9.737	(1.066)	431418	100.000	92.1	
M 153 Total Alkylbenzenes	100				8825966	100.000	(a)	

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: \\Target_server\GG\chem\gcms-s.i\S061608.b\S1369.D
Report Date: 25-Jun-2008 15:27

Katahdin Analytical Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcms-s.i
Lab File ID: S1369.D
Lab Smp Id: VSTD100S16A
Analysis Type: VOA
Quant Type: ISTD
Operator: SKT
Method File: \\Target_server\GG\chem\gcms-s.i\S061608.b\s826a58.m
Misc Info: SW846 8260B

Calibration Date: 16-JUN-2008
Calibration Time: 10:39

Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 4

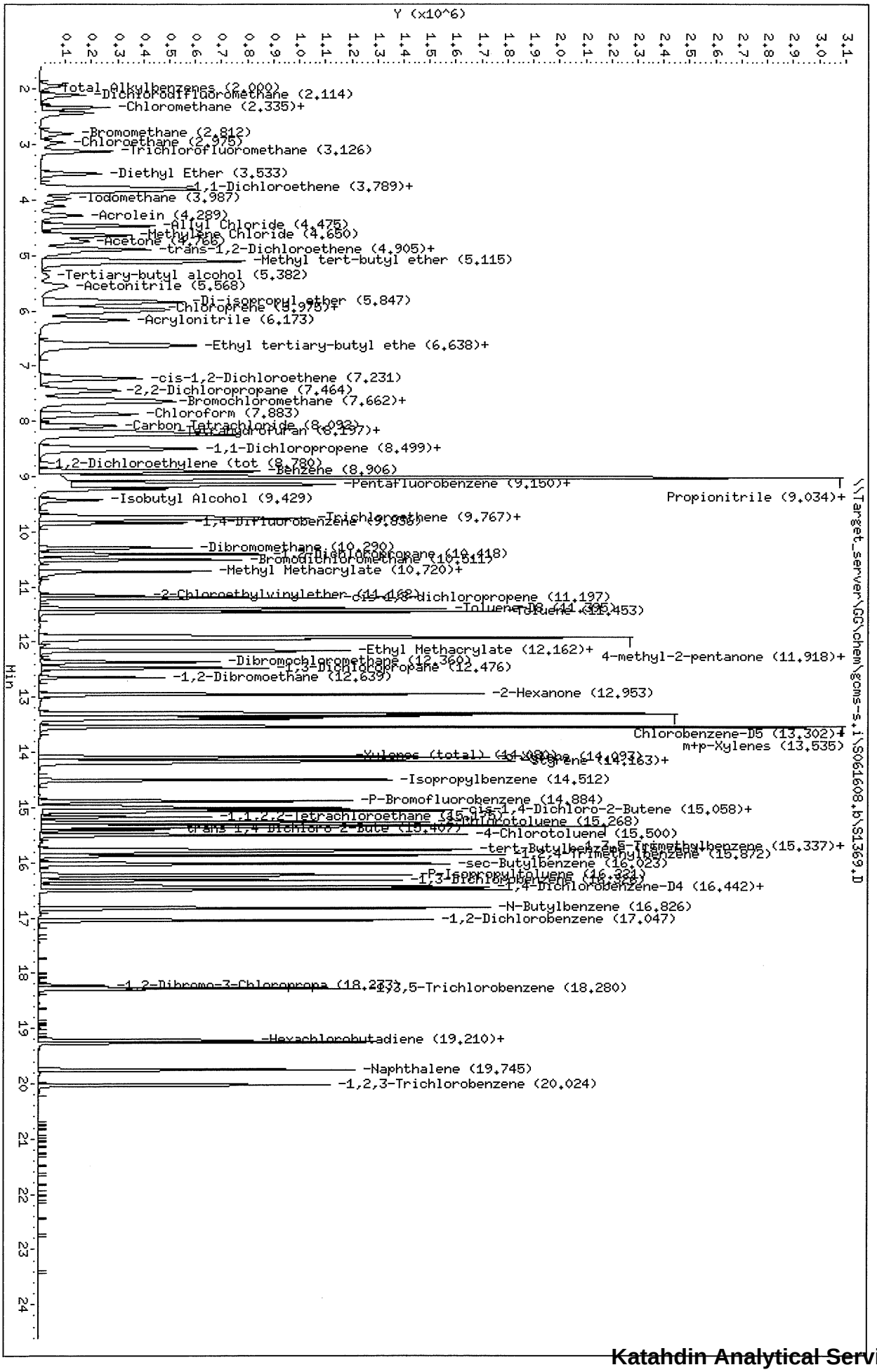
COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	390919	195460	781838	378740	-3.12
49 1,4-Difluorobenze	592560	296280	1185120	574667	-3.02
66 Chlorobenzene-D5	505984	252992	1011968	463114	-8.47
91 1,4-Dichlorobenze	260532	130266	521064	259600	-0.36

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	9.13	8.63	9.63	9.13	-0.06
49 1,4-Difluorobenze	9.84	9.34	10.34	9.85	0.06
66 Chlorobenzene-D5	13.28	12.78	13.78	13.29	0.05
91 1,4-Dichlorobenze	16.42	15.92	16.92	16.43	0.04

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.

Data File: \\Target_server\GC\chem\gcms-s.i\S061608.b\S1369.D
Date : 16-JUN-2008 10:07
Client ID:
Sample Info: VSTD100S16A
Purge Volume: 5.0
Column phase: RTX-VMS

Instrument: gcms-s.i
Operator: SKT
Column diameter: 0.18



Data File: \\Target_server\GG\chem\gcms-s.i\S061608.b\S1370.D
Report Date: 25-Jun-2008 15:27

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gcms-s.i\S061608.b\S1370.D
Lab Smp Id: VSTD050S16A
Inj Date : 16-JUN-2008 10:39
Operator : SKT Inst ID: gcms-s.i
Smp Info : VSTD050S16A
Misc Info : SW846 8260B
Comment :
Method : \\Target_server\GG\chem\gcms-s.i\S061608.b\s826a58.m
Meth Date : 25-Jun-2008 15:23 gcms-s.i Quant Type: ISTD
Cal Date : 31-MAY-2008 18:01 Cal File: S1037.D
Als bottle: 4 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.12

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	sample purged
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)	REVIEW COD
1 Dichlorodifluoromethane	85	2.119	2.120	(0.232)	210256	50.0000	51.8	
2 Chloromethane	50	2.340	2.341	(0.256)	251689	50.0000	49.0	
3 Vinyl chloride	62	2.433	2.434	(0.266)	217821	50.0000	49.7	
4 Bromomethane	94	2.817	2.817	(0.309)	95463	50.0000	50.6	
5 Chloroethane	64	2.968	2.969	(0.325)	110668	50.0000	49.5	
6 Trichlorofluoromethane	101	3.131	3.131	(0.343)	223272	50.0000	51.7	
7 Diethyl Ether	59	3.526	3.527	(0.386)	134092	50.0000	51.8	
8 Tertiary-butyl alcohol	59	5.376	5.376	(0.589)	66976	250.000	263	
9 1,1-Dichloroethene	96	3.782	3.783	(0.414)	138661	50.0000	50.0	
10 Carbon Disulfide	76	3.817	3.818	(0.418)	424902	50.0000	49.9	
11 Freon-113	151	3.852	3.853	(0.422)	110671	50.0000	51.9	
12 Iodomethane	142	3.980	3.980	(0.436)	142116	50.0000	50.6	
13 Acrolein	56	4.282	4.283	(0.469)	158537	250.000	268	
14 Methylene Chloride	84	4.654	4.655	(0.510)	180021	50.0000	50.9	
15 Acetone	43	4.759	4.760	(0.521)	292113	250.000	228	
16 Isobutyl Alcohol	43	9.423	9.423	(1.032)	130998	1000.00	1110	SKJ 062508
17 trans-1,2-Dichloroethene	96	4.910	4.911	(0.538)	158997	50.0000	49.1	
18 Allyl Chloride	41	4.480	4.481	(0.491)	290645	50.0000	49.6	
19 Methyl tert-butyl ether	73	5.120	5.120	(0.561)	912120	100.000	100	
20 Acetonitrile	39	5.573	5.574	(0.610)	46329	500.000	524(M)	M9
21 Di-isopropyl ether	45	5.841	5.841	(0.640)	737770	50.0000	52.3	
22 Chloroprene	53	5.980	5.981	(0.655)	315927	50.0000	51.4	
23 Propionitrile	54	9.004	9.005	(0.986)	255880	500.000	547	
24 Methacrylonitrile	41	9.027	9.028	(0.989)	1377696	500.000	521	

Data File: \\Target_server\GG\chem\gcms-s.i\S061608.b\S1370.D
Report Date: 25-Jun-2008 15:27

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)		REVIEW CODE
	25 1,1-Dichloroethane	63	6.027	6.027	(0.660)	329553	50.0000	49.4		
	26 Acrylonitrile	52	6.166	6.167	(0.675)	303201	250.000	261		
	27 Ethyl tertiary-butyl ether	59	6.620	6.620	(0.725)	662692	50.0000	52.2		
	28 Vinyl Acetate	43	6.643	6.644	(0.675)	491691	50.0000	51.3		
	29 cis-1,2-Dichloroethene	96	7.225	7.225	(0.791)	198255	50.0000	50.9		
M	30 1,2-Dichloroethylene (total)	96				357252	50.0000		(a)	
	31 Methyl Methacrylate	41	10.725	10.726	(1.090)	192331	50.0000	52.3		
	32 2,2-Dichloropropane	77	7.457	7.458	(0.817)	257481	50.0000	49.0		
	33 Bromochloromethane	128	7.667	7.667	(0.840)	92262	50.0000	50.2		
	34 Chloroform	83	7.876	7.876	(0.862)	322119	50.0000	50.5		
	35 Carbon Tetrachloride	117	8.085	8.086	(0.822)	218093	50.0000	51.4		
	36 Tetrahydrofuran	42	8.190	8.189	(0.897)	265714	250.000	256		
$	37 Dibromofluoromethane	113	8.248	8.249	(0.903)	206190	50.0000	50.8		
	38 1,1,1-Trichloroethane	97	8.236	8.237	(0.902)	254673	50.0000	50.4		
	39 1,1-Dichloropropene	75	8.481	8.481	(0.862)	244999	50.0000	49.4		
	40 2-Butanone	43	8.527	8.528	(0.934)	478931	250.000	250		
	41 Benzene	78	8.899	8.900	(0.904)	712215	50.0000	50.4		
*	42 Pentafluorobenzene	168	9.132	9.132	(1.000)	390919	50.0000			
	43 Cyclohexane	56	7.620	7.621	(0.834)	248519	50.0000	51.3		
	44 Ethyl Methacrylate	69	12.167	12.168	(1.236)	232413	50.0000	53.2		
$	45 1,2-Dichloroethane-D4	65	9.132	9.132	(1.000)	227209	50.0000	48.8		
	46 Tertiary-amyl methyl ether	73	9.167	9.167	(1.004)	537297	50.0000	52.0		
	47 1,2-Dichloroethane	62	9.237	9.237	(0.939)	278760	50.0000	50.3		
	48 Trichloroethene	95	9.772	9.772	(0.993)	188983	50.0000	50.9		
*	49 1,4-Difluorobenzene	114	9.841	9.842	(1.000)	592560	50.0000			
	50 Dibromomethane	93	10.295	10.295	(1.046)	128146	50.0000	49.3		
	51 1,2-Dichloropropane	63	10.411	10.412	(1.058)	187570	50.0000	52.8		
	52 Bromodichloromethane	83	10.504	10.505	(1.067)	261913	50.0000	49.5		
	53 cis-1,3-dichloropropene	75	11.202	11.203	(1.138)	306723	50.0000	49.9		
	54 1,4-Dioxane	88	10.760	10.761	(1.093)	33184	1000.00	892		
$	55 Toluene-D8	98	11.400	11.400	(1.158)	635532	50.0000	53.2		
	56 2-Chloroethylvinylether	63	11.156	11.156	(1.134)	80625	50.0000	49.6		
	57 Toluene	92	11.458	11.458	(1.164)	432897	50.0000	49.7		
	58 4-methyl-2-pentanone	43	11.923	11.924	(1.212)	1024828	250.000	264		
	59 Tetrachloroethene	164	11.888	11.889	(0.895)	159897	50.0000	49.0		
	60 trans-1,3-Dichloropropene	75	11.958	11.958	(1.215)	262054	50.0000	49.8		
	61 1,1,2-Trichloroethane	83	12.144	12.145	(1.234)	138340	50.0000	51.0		
	62 Dibromochloromethane	129	12.365	12.366	(0.931)	210890	50.0000	49.2		
	63 1,3-Dichloropropane	76	12.481	12.482	(0.940)	286527	50.0000	49.8		
	64 1,2-Dibromoethane	107	12.644	12.645	(1.285)	184039	50.0000	48.4		
	65 2-Hexanone	43	12.947	12.947	(0.975)	725918	250.000	249		
*	66 Chlorobenzene-D5	117	13.284	13.284	(1.000)	505984	50.0000			
	67 Chlorobenzene	112	13.307	13.308	(1.002)	476351	50.0000	49.6		
	152 1-Chlorohexane	91	13.295	13.296	(1.456)	258807	50.0000	51.0		
	68 Ethylbenzene	106	13.354	13.354	(1.005)	238718	50.0000	48.8		
	69 1,1,1,2-Tetrachloroethane	131	13.400	13.401	(1.009)	172951	50.0000	49.3		
M	70 Xylenes (total)	106				879963	150.000		(a)	
	71 m+p-Xylenes	106	13.540	13.540	(1.019)	584615	100.000	96.6		
	72 o-Xylene	106	14.086	14.087	(1.060)	295348	50.0000	47.6		
	73 Styrene	104	14.168	14.168	(1.067)	524261	50.0000	50.2		
	74 Bromoform	173	14.191	14.191	(1.068)	148652	50.0000	50.8		
	75 Isopropylbenzene	105	14.505	14.505	(0.883)	649167	50.0000	49.9		
$	76 P-Bromofluorobenzene	95	14.877	14.878	(1.512)	258786	50.0000	50.1		
	77 cis-1,4-Dichloro-2-Butene	53	14.982	14.982	(0.912)	62556	50.0000	52.5		

Data File: \\Target_server\GG\chem\gcms-s.i\S061608.b\S1370.D
Report Date: 25-Jun-2008 15:27

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)	REVIEW CODE
78 trans-1,4-Dichloro-2-Butene	53	15.412	15.413	(0.938)	65075	50.0000	52.2	
79 Bromobenzene	156	15.017	15.017	(0.914)	214113	50.0000	50.9	
80 N-Propylbenzene	91	15.063	15.064	(0.917)	922929	50.0000	51.0	
81 1,1,2,2-Tetrachloroethane	83	15.168	15.168	(0.924)	212442	50.0000	50.6	
82 1,3,5-Trimethylbenzene	105	15.331	15.331	(0.933)	613080	50.0000	51.4	
83 2-Chlorotoluene	91	15.272	15.273	(0.930)	565683	50.0000	49.8	
84 1,2,3-Trichloropropane	75	15.342	15.343	(0.934)	162663	50.0000	48.3	
85 4-Chlorotoluene	91	15.505	15.506	(0.944)	572257	50.0000	49.5	
86 tert-Butylbenzene	119	15.773	15.773	(0.960)	623521	50.0000	51.8	
87 Pentachloroethane	117	15.796	15.796	(0.962)	140723	50.0000	48.4	
88 1,2,4-Trimethylbenzene	105	15.866	15.866	(0.966)	666264	50.0000	50.8	
89 P-Isopropyltoluene	119	16.226	16.227	(0.988)	650791	50.0000	53.3	
90 1,3-Dichlorobenzene	146	16.319	16.320	(0.994)	374299	50.0000	49.3	
* 91 1,4-Dichlorobenzene-D4	152	16.424	16.424	(1.000)	260532	50.0000		
92 1,4-Dichlorobenzene	146	16.447	16.448	(1.001)	392592	50.0000	50.8	
93 N-Butylbenzene	91	16.831	16.831	(1.025)	606062	50.0000	51.8	
94 sec-Butylbenzene	105	16.017	16.017	(0.975)	785999	50.0000	50.7	
95 1,2-Dichlorobenzene	146	17.052	17.052	(1.038)	380742	50.0000	52.5	
96 1,2-Dibromo-3-Chloropropane	75	18.226	18.227	(1.110)	41748	50.0000	52.6	
97 1,3,5-Trichlorobenzene	180	18.273	18.273	(1.113)	277058	50.0000	52.2	
98 Hexachlorobutadiene	225	19.215	19.215	(1.170)	105483	50.0000	50.0	
99 1,2,4-Trichlorobenzene	180	19.250	19.250	(1.172)	261037	50.0000	50.2	
100 1,2,3-Trimethylbenzene	105	16.482	16.482	(1.004)	659425	50.0000	51.9	
101 Naphthalene	128	19.750	19.750	(1.203)	540513	50.0000	50.6	
102 1,2,3-Trichlorobenzene	180	20.029	20.030	(1.220)	238634	50.0000	49.4	
103 Methyl Acetate	43	4.968	4.969	(0.544)	158426	50.0000	52.9	
104 Methylcyclohexane	83	9.737	9.737	(1.066)	258279	50.0000	53.4	
M 153 Total Alkylbenzenes	100				4868646	50.0000	(a)	

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
M - Compound response manually integrated.

Data File: \\Target_server\GG\chem\gcms-s.i\S061608.b\S1370.D
Report Date: 25-Jun-2008 15:27

Katahdin Analytical Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcms-s.i
Lab File ID: S1370.D
Lab Smp Id: VSTD050S16A
Analysis Type: VOA
Quant Type: ISTD
Operator: SKT
Method File: \\Target_server\GG\chem\gcms-s.i\S061608.b\s826a58.m
Misc Info: SW846 8260B

Calibration Date: 16-JUN-2008
Calibration Time: 10:39

Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 4

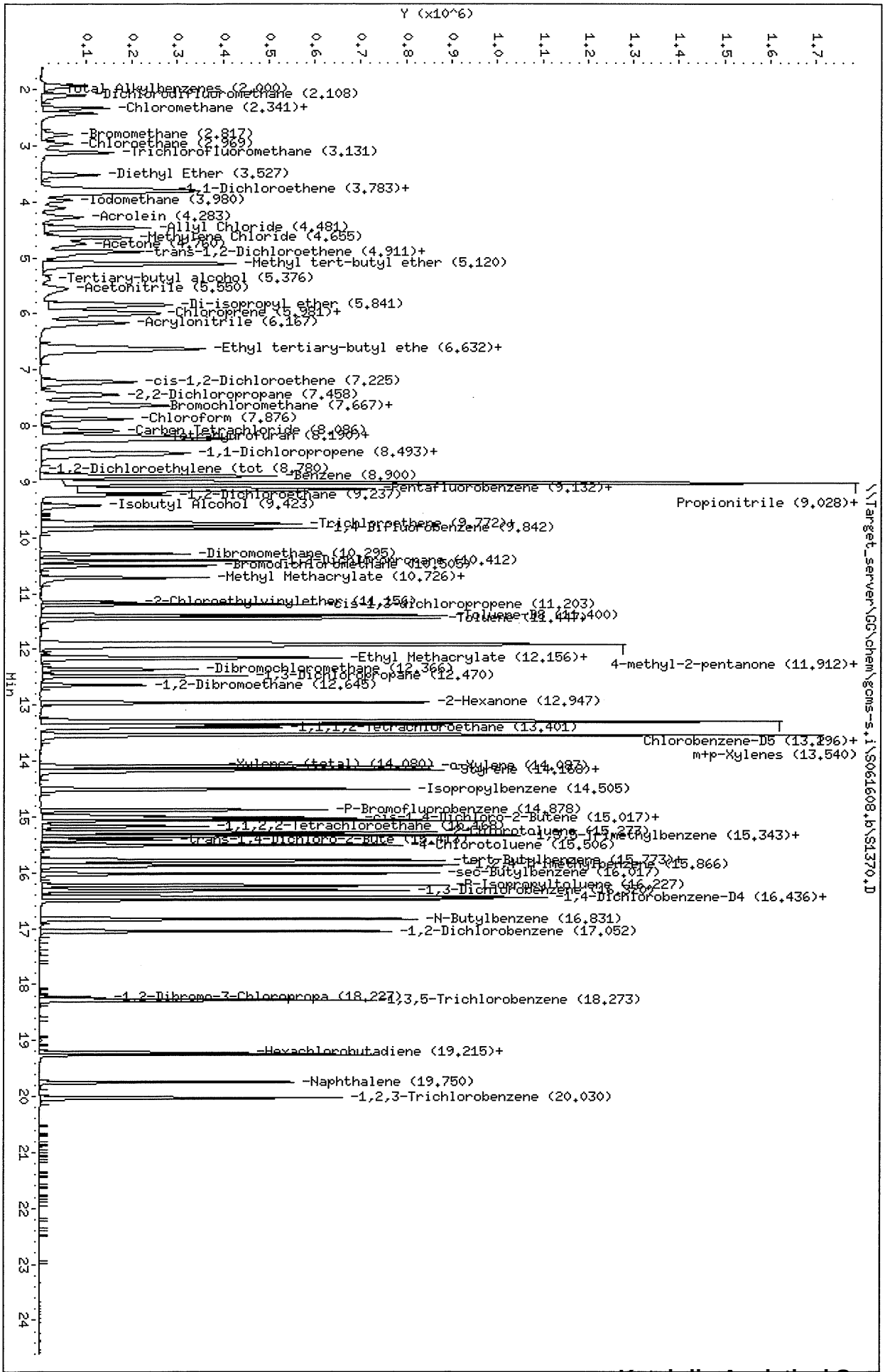
COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	390919	195460	781838	390919	0.00
49 1,4-Difluorobenze	592560	296280	1185120	592560	0.00
66 Chlorobenzene-D5	505984	252992	1011968	505984	0.00
91 1,4-Dichlorobenze	260532	130266	521064	260532	0.00

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	9.13	8.63	9.63	9.13	0.00
49 1,4-Difluorobenze	9.84	9.34	10.34	9.84	0.00
66 Chlorobenzene-D5	13.28	12.78	13.78	13.28	0.00
91 1,4-Dichlorobenze	16.42	15.92	16.92	16.42	0.00

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.

Data File: \\Target_server\GC\chem\gcms-s.i\S061608.b\S1370.D
Date : 16-JUN-2008 10:39
Client ID:
Sample Info: VSTD050S16A
Purge Volume: 5.0
Column phase: RTX-VMS

Instrument: gcms-s.i
Operator: SKT
Column diameter: 0.18



Data File: \\Target_server\GG\chem\gcms-s.i\S061608.b\S1371.D
Report Date: 25-Jun-2008 15:27

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gcms-s.i\S061608.b\S1371.D
Lab Smp Id: VSTD020S16A
Inj Date : 16-JUN-2008 11:10
Operator : SKT Inst ID: gcms-s.i
Smp Info : VSTD020S16A
Misc Info : SW846 8260B
Comment :
Method : \\Target_server\GG\chem\gcms-s.i\S061608.b\s826a58.m
Meth Date : 25-Jun-2008 15:23 gcms-s.i Quant Type: ISTD
Cal Date : 16-JUN-2008 11:10 Cal File: S1371.D
Als bottle: 5 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.12

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	sample purged
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	ON-COL (ug/l)	REVIEW CODE
1 Dichlorodifluoromethane	85	2.114	2.120	(0.232)	78938	20.0000	19.3	
2 Chloromethane	50	2.335	2.341	(0.256)	104010	20.0000	20.1	
3 Vinyl chloride	62	2.428	2.434	(0.266)	83861	20.0000	19.0	
4 Bromomethane	94	2.811	2.817	(0.308)	32439	20.0000	17.0	
5 Chloroethane	64	2.963	2.969	(0.325)	43868	20.0000	19.5	SKT 062508
6 Trichlorofluoromethane	101	3.137	3.131	(0.344)	85135	20.0000	19.6	
7 Diethyl Ether	59	3.532	3.527	(0.387)	53686	20.0000	20.6	
8 Tertiary-butyl alcohol	59	5.393	5.376	(0.591)	25097	100.000	99.9(M)	M1
9 1,1-Dichloroethene	96	3.788	3.783	(0.415)	56092	20.0000	20.1	
10 Carbon Disulfide	76	3.812	3.818	(0.418)	170106	20.0000	19.8	
11 Freon-113	151	3.847	3.853	(0.422)	44872	20.0000	20.9	
12 Iodomethane	142	3.986	3.980	(0.437)	47338	20.0000	18.0	
13 Acrolein	56	4.288	4.283	(0.470)	61003	100.000	102	
14 Methylene Chloride	84	4.649	4.655	(0.509)	71642	20.0000	20.1	
15 Acetone	43	4.754	4.760	(0.521)	116466	100.000	90.4	
16 Isobutyl Alcohol	43	9.429	9.423	(1.033)	48967	400.000	397	
17 trans-1,2-Dichloroethene	96	4.905	4.911	(0.537)	63453	20.0000	19.4	
18 Allyl Chloride	41	4.475	4.481	(0.490)	113532	20.0000	19.2	
19 Methyl tert-butyl ether	73	5.114	5.120	(0.560)	369070	40.0000	40.3	
20 Acetonitrile	39	5.568	5.574	(0.610)	17003	200.000	186	
21 Di-isopropyl ether	45	5.847	5.841	(0.641)	297776	20.0000	20.9	
22 Chloroprene	53	5.975	5.981	(0.655)	127587	20.0000	20.6	
23 Propionitrile	54	8.999	9.005	(0.986)	99792	200.000	212	
24 Methacrylonitrile	41	9.022	9.028	(0.989)	552240	200.000	207	

Data File: \\Target_server\GG\chem\gcms-s.i\S061608.b\S1371.D
Report Date: 25-Jun-2008 15:27

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)	REVIEW CODE
	25 1,1-Dichloroethane	63	6.033	6.027	(0.661)	130532	20.0000	19.4	
	26 Acrylonitrile	52	6.172	6.167	(0.676)	120110	100.000	102	
	27 Ethyl tertiary-butyl ether	59	6.626	6.620	(0.726)	265413	20.0000	20.7	
	28 Vinyl Acetate	43	6.638	6.644	(0.675)	194877	20.0000	19.7	
	29 cis-1,2-Dichloroethene	96	7.231	7.225	(0.792)	78464	20.0000	20.0	
M	30 1,2-Dichloroethylene (total)	96				141917	20.0000	(a)	
	31 Methyl Methacrylate	41	10.720	10.726	(1.090)	73642	20.0000	19.4	
	32 2,2-Dichloropropane	77	7.452	7.458	(0.817)	97873	20.0000	18.5	
	33 Bromochloromethane	128	7.673	7.667	(0.841)	36374	20.0000	19.6	
	34 Chloroform	83	7.882	7.876	(0.864)	125246	20.0000	19.5	
	35 Carbon Tetrachloride	117	8.091	8.086	(0.823)	83588	20.0000	19.1	
	36 Tetrahydrofuran	42	8.196	8.189	(0.898)	103974	100.000	99.4	
$	37 Dibromofluoromethane	113	8.254	8.249	(0.904)	79264	20.0000	19.4	
	38 1,1,1-Trichloroethane	97	8.243	8.237	(0.903)	95620	20.0000	18.8	
	39 1,1-Dichloropropene	75	8.487	8.481	(0.863)	97780	20.0000	19.1	
	40 2-Butanone	43	8.533	8.528	(0.935)	190050	100.000	98.5	
	41 Benzene	78	8.905	8.900	(0.905)	275156	20.0000	18.9	
*	42 Pentafluorobenzene	168	9.126	9.132	(1.000)	394051	50.0000		
	43 Cyclohexane	56	7.626	7.621	(0.836)	90845	20.0000	18.6	
	44 Ethyl Methacrylate	69	12.173	12.168	(1.238)	96530	20.0000	21.4	
$	45 1,2-Dichloroethane-D4	65	9.138	9.132	(1.001)	90314	20.0000	19.2	
	46 Tertiary-amyl methyl ether	73	9.161	9.167	(1.004)	213747	20.0000	20.5	
	47 1,2-Dichloroethane	62	9.231	9.237	(0.939)	109640	20.0000	19.2	
	48 Trichloroethene	95	9.766	9.772	(0.993)	72953	20.0000	19.1	
*	49 1,4-Difluorobenzene	114	9.836	9.842	(1.000)	610538	50.0000		
	50 Dibromomethane	93	10.289	10.295	(1.046)	51787	20.0000	19.3	
	51 1,2-Dichloropropane	63	10.417	10.412	(1.059)	76553	20.0000	20.9	
	52 Bromodichloromethane	83	10.510	10.505	(1.069)	102685	20.0000	18.8	
	53 cis-1,3-dichloropropene	75	11.197	11.203	(1.138)	120190	20.0000	19.0	
	54 1,4-Dioxane	88	10.755	10.761	(1.093)	14035	400.000	366	
$	55 Toluene-D8	98	11.394	11.400	(1.158)	235068	20.0000	19.1	
	56 2-Chloroethylvinylether	63	11.162	11.156	(1.135)	31259	20.0000	18.7	
	57 Toluene	92	11.452	11.458	(1.164)	169522	20.0000	18.9	
	58 4-methyl-2-pentanone	43	11.918	11.924	(1.212)	407025	100.000	102	
	59 Tetrachloroethene	164	11.894	11.889	(0.895)	64123	20.0000	19.4	
	60 trans-1,3-Dichloropropene	75	11.952	11.958	(1.215)	103118	20.0000	19.0	
	61 1,1,2-Trichloroethane	83	12.150	12.145	(1.235)	56381	20.0000	20.2	
	62 Dibromochloromethane	129	12.360	12.366	(0.930)	83620	20.0000	19.2	
	63 1,3-Dichloropropane	76	12.476	12.482	(0.939)	113983	20.0000	19.5	
	64 1,2-Dibromoethane	107	12.639	12.645	(1.285)	73457	20.0000	18.7	
	65 2-Hexanone	43	12.953	12.947	(0.975)	280636	100.000	94.8	
*	66 Chlorobenzene-D5	117	13.290	13.284	(1.000)	512776	50.0000		
	67 Chlorobenzene	112	13.313	13.308	(1.002)	189950	20.0000	19.5	
	152 1-Chlorohexane	91	13.290	13.296	(1.456)	99487	20.0000	19.4	
	68 Ethylbenzene	106	13.348	13.354	(1.004)	96662	20.0000	19.5	
	69 1,1,1,2-Tetrachloroethane	131	13.395	13.401	(1.008)	68715	20.0000	19.3	
M	70 Xylenes (total)	106				365372	60.0000	(a)	
	71 m+p-Xylenes	106	13.534	13.540	(1.018)	242517	40.0000	39.6	
	72 o-Xylene	106	14.092	14.087	(1.060)	122855	20.0000	19.5	
	73 Styrene	104	14.162	14.168	(1.066)	208520	20.0000	19.7	
	74 Bromoform	173	14.197	14.191	(1.068)	58110	20.0000	19.6	
	75 Isopropylbenzene	105	14.511	14.505	(0.883)	267094	20.0000	21.0	
$	76 P-Bromofluorobenzene	95	14.883	14.878	(1.513)	98344	20.0000	18.5	
	77 cis-1,4-Dichloro-2-Butene	53	14.976	14.982	(0.912)	23552	20.0000	20.2	

Data File: \\Target_server\GG\chem\gcms-s.i\S061608.b\S1371.D
Report Date: 25-Jun-2008 15:27

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)	REVIEW CODE
78 trans-1,4-Dichloro-2-Butene	53	15.407	15.413	(0.938)	26068	20.0000	21.4	
79 Bromobenzene	156	15.023	15.017	(0.914)	85006	20.0000	20.7	
80 N-Propylbenzene	91	15.058	15.064	(0.916)	354924	20.0000	20.1	
81 1,1,2,2-Tetrachloroethane	83	15.174	15.168	(0.924)	88529	20.0000	21.6	
82 1,3,5-Trimethylbenzene	105	15.337	15.331	(0.933)	253416	20.0000	21.7	
83 2-Chlorotoluene	91	15.267	15.273	(0.929)	237950	20.0000	21.4	
84 1,2,3-Trichloropropane	75	15.348	15.343	(0.934)	69673	20.0000	21.2	
85 4-Chlorotoluene	91	15.500	15.506	(0.943)	230646	20.0000	20.4	
86 tert-Butylbenzene	119	15.767	15.773	(0.960)	239667	20.0000	20.4	
87 Pentachloroethane	117	15.802	15.796	(0.962)	52279	20.0000	20.7	
88 1,2,4-Trimethylbenzene	105	15.872	15.866	(0.966)	265485	20.0000	20.7	
89 P-Isopropyltoluene	119	16.221	16.227	(0.987)	242385	20.0000	20.3	
90 1,3-Dichlorobenzene	146	16.325	16.320	(0.994)	149440	20.0000	20.1	
* 91 1,4-Dichlorobenzene-D4	152	16.430	16.424	(1.000)	254650	50.0000		
92 1,4-Dichlorobenzene	146	16.453	16.448	(1.001)	155569	20.0000	20.6	
93 N-Butylbenzene	91	16.825	16.831	(1.024)	234053	20.0000	20.5	
94 sec-Butylbenzene	105	16.023	16.017	(0.975)	315646	20.0000	20.8	
95 1,2-Dichlorobenzene	146	17.046	17.052	(1.038)	143590	20.0000	20.2	
96 1,2-Dibromo-3-Chloropropane	75	18.221	18.227	(1.109)	15441	20.0000	19.9	
97 1,3,5-Trichlorobenzene	180	18.279	18.273	(1.113)	105424	20.0000	20.3	
98 Hexachlorobutadiene	225	19.209	19.215	(1.169)	42349	20.0000	20.5	
99 1,2,4-Trichlorobenzene	180	19.244	19.250	(1.171)	106785	20.0000	21.0	
100 1,2,3-Trimethylbenzene	105	16.488	16.482	(1.004)	262485	20.0000	21.2	
101 Naphthalene	128	19.744	19.750	(1.202)	199452	20.0000	19.1	
102 1,2,3-Trichlorobenzene	180	20.024	20.030	(1.219)	98917	20.0000	21.0	
103 Methyl Acetate	43	4.963	4.969	(0.544)	63751	20.0000	21.1	
104 Methylcyclohexane	83	9.731	9.737	(1.066)	98580	20.0000	20.2	
M 153 Total Alkylbenzenes	100				1905576	20.0000	(a)	

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
M - Compound response manually integrated.

Data File: \\Target_server\GG\chem\gcms-s.i\S061608.b\S1371.D
Report Date: 25-Jun-2008 15:27

Katahdin Analytical Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcms-s.i
Lab File ID: S1371.D
Lab Smp Id: VSTD020S16A
Analysis Type: VOA
Quant Type: ISTD
Operator: SKT
Method File: \\Target_server\GG\chem\gcms-s.i\S061608.b\s826a58.m
Misc Info: SW846 8260B

Calibration Date: 16-JUN-2008
Calibration Time: 10:39

Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 4

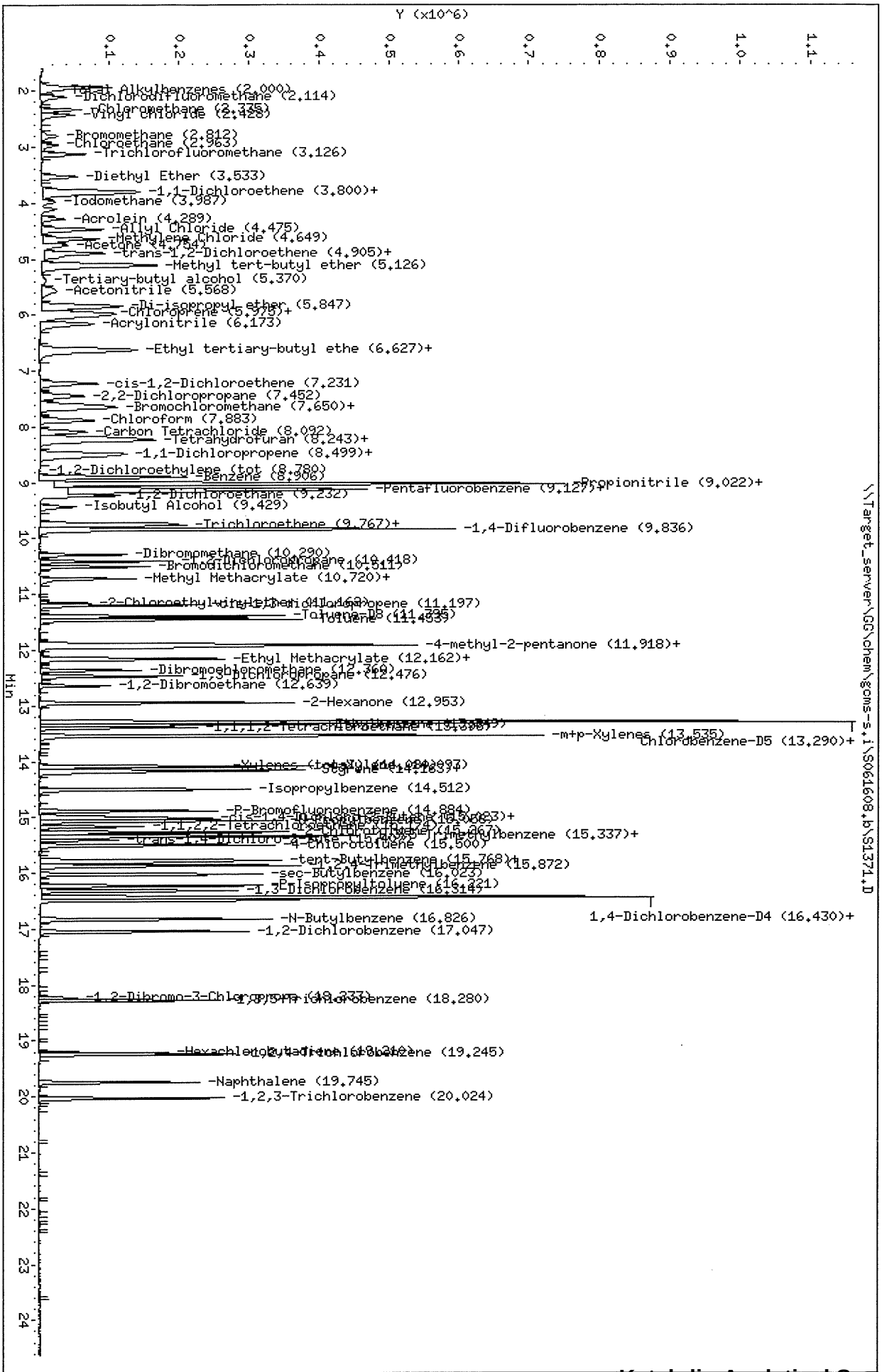
COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	390919	195460	781838	394051	0.80
49 1,4-Difluorobenze	592560	296280	1185120	610538	3.03
66 Chlorobenzene-D5	505984	252992	1011968	512776	1.34
91 1,4-Dichlorobenze	260532	130266	521064	254650	-2.26

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	9.13	8.63	9.63	9.13	-0.06
49 1,4-Difluorobenze	9.84	9.34	10.34	9.84	-0.06
66 Chlorobenzene-D5	13.28	12.78	13.78	13.29	0.05
91 1,4-Dichlorobenze	16.42	15.92	16.92	16.43	0.04

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.

Data File: \\Target_server\GC\chem\gcms-s.i\S061608.b\S1371.D
Date : 16-JUN-2008 11:10
Client ID:
Sample Info: VSTD020S16A
Purge Volume: 5.0
Column phase: RTX-VMS

Instrument: gcms-s.i
Operator: SKT
Column diameter: 0.18



Data File: \\Target_server\GG\chem\gcms-s.i\S061608.b\S1372.D
Report Date: 25-Jun-2008 15:27

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gcms-s.i\S061608.b\S1372.D
Lab Smp Id: VSTD005S16A
Inj Date : 16-JUN-2008 11:41
Operator : SKT Inst ID: gcms-s.i
Smp Info : VSTD005S16A
Misc Info : SW846 8260B
Comment :
Method : \\Target_server\GG\chem\gcms-s.i\S061608.b\s826a58.m
Meth Date : 25-Jun-2008 15:23 gcms-s.i Quant Type: ISTD
Cal Date : 16-JUN-2008 11:41 Cal File: S1372.D
Als bottle: 6 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.12

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	sample purged
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)	REVIEW CODE
1 Dichlorodifluoromethane	85	2.118	2.120	(0.232)	20462	5.00000	5.2	
2 Chloromethane	50	2.338	2.341	(0.256)	27165	5.00000	5.4	
3 Vinyl chloride	62	2.432	2.434	(0.266)	23724	5.00000	5.5	
4 Bromomethane	94	2.804	2.817	(0.307)	7844	5.00000	4.2	
5 Chloroethane	64	2.967	2.969	(0.325)	12219	5.00000	5.6	
6 Trichlorofluoromethane	101	3.141	3.131	(0.344)	23126	5.00000	5.5	
7 Diethyl Ether	59	3.536	3.527	(0.387)	11841	5.00000	4.7	
8 Tertiary-butyl alcohol	59	5.386	5.376	(0.590)	5802	25.0000	26.5	
9 1,1-Dichloroethene	96	3.792	3.783	(0.415)	14874	5.00000	5.5	
10 Carbon Disulfide	76	3.815	3.818	(0.418)	44933	5.00000	5.4	
11 Freon-113	151	3.839	3.853	(0.420)	10120	5.00000	4.9	
12 Iodomethane	142	3.978	3.980	(0.436)	8071	5.00000	4.7	
13 Acrolein	56	4.281	4.283	(0.469)	12755	25.0000	22.1	
14 Methylene Chloride	84	4.653	4.655	(0.510)	18079	5.00000	5.2	SKT 062508
15 Acetone	43	4.757	4.760	(0.521)	33220	25.0000	26.6	
16 Isobutyl Alcohol	43	9.433	9.423	(1.033)	10888	100.000	73.7	
17 trans-1,2-Dichloroethene	96	4.897	4.911	(0.536)	16185	5.00000	5.1	
18 Allyl Chloride	41	4.478	4.481	(0.491)	27532	5.00000	4.8	
19 Methyl tert-butyl ether	73	5.130	5.120	(0.562)	83992	10.0000	9.5	
20 Acetonitrile	39	5.560	5.574	(0.609)	4507	50.0000	46.2(M)	M1
21 Di-isopropyl ether	45	5.862	5.841	(0.642)	60647	5.00000	4.4	
22 Chloroprene	53	5.979	5.981	(0.655)	26309	5.00000	4.4	
23 Propionitrile	54	9.002	9.005	(0.986)	21014	50.0000	46.0	
24 Methacrylonitrile	41	9.026	9.028	(0.989)	122613	50.0000	47.5	

Data File: \\Target_server\GG\chem\gcms-s.i\S061608.b\S1372.D
Report Date: 25-Jun-2008 15:27

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)		REVIEW CODE
	25 1,1-Dichloroethane	63	6.025	6.027	(0.660)	32971	5.00000	5.1		
	26 Acrylonitrile	52	6.176	6.167	(0.676)	26037	25.0000	22.9		
	27 Ethyl tertiary-butyl ether	59	6.618	6.620	(0.725)	54660	5.00000	4.4		
	28 Vinyl Acetate	43	6.653	6.644	(0.676)	41159	5.00000	4.6		
	29 cis-1,2-Dichloroethene	96	7.235	7.225	(0.792)	20050	5.00000	5.3		
M	30 1,2-Dichloroethylene (total)	96				36235	5.00000		(a)	
	31 Methyl Methacrylate	41	10.724	10.726	(1.090)	15449	5.00000	4.4		
	32 2,2-Dichloropropane	77	7.467	7.458	(0.818)	25995	5.00000	5.1		
	33 Bromochloromethane	128	7.665	7.667	(0.840)	9062	5.00000	5.0		
	34 Chloroform	83	7.874	7.876	(0.862)	31993	5.00000	5.1		
	35 Carbon Tetrachloride	117	8.095	8.086	(0.823)	21558	5.00000	5.4		
	36 Tetrahydrofuran	42	8.212	8.189	(0.899)	27195	25.0000	26.8		
$	37 Dibromofluoromethane	113	8.258	8.249	(0.904)	17875	5.00000	4.5		
	38 1,1,1-Trichloroethane	97	8.235	8.237	(0.902)	26217	5.00000	5.3		
	39 1,1-Dichloropropene	75	8.491	8.481	(0.863)	25856	5.00000	5.5		
	40 2-Butanone	43	8.537	8.528	(0.935)	49378	25.0000	26.4		
	41 Benzene	78	8.909	8.900	(0.905)	76478	5.00000	5.7		
*	42 Pentafluorobenzene	168	9.130	9.132	(1.000)	382034	50.0000			
	43 Cyclohexane	56	7.618	7.621	(0.834)	25626	5.00000	5.4		
	44 Ethyl Methacrylate	69	12.166	12.168	(1.236)	18114	5.00000	4.4		
$	45 1,2-Dichloroethane-D4	65	9.130	9.132	(1.000)	20347	5.00000	4.5		
	46 Tertiary-amyl methyl ether	73	9.165	9.167	(1.004)	43631	5.00000	4.3		
	47 1,2-Dichloroethane	62	9.235	9.237	(0.939)	26240	5.00000	5.0		
	48 Trichloroethene	95	9.770	9.772	(0.993)	18530	5.00000	5.3		
*	49 1,4-Difluorobenzene	114	9.840	9.842	(1.000)	558338	50.0000			
	50 Dibromomethane	93	10.293	10.295	(1.046)	13462	5.00000	5.5		
	51 1,2-Dichloropropane	63	10.410	10.412	(1.058)	19051	5.00000	5.7		
	52 Bromodichloromethane	83	10.514	10.505	(1.069)	26276	5.00000	5.3		
	53 cis-1,3-dichloropropene	75	11.200	11.203	(1.138)	30050	5.00000	5.2		
	54 1,4-Dioxane	88	10.758	10.761	(1.093)	4695	100.000	134		
$	55 Toluene-D8	98	11.398	11.400	(1.158)	53433	5.00000	4.8		
	56 2-Chloroethylvinylether	63	11.154	11.156	(1.134)	7627	5.00000	5.0		
	57 Toluene	92	11.456	11.458	(1.164)	45452	5.00000	5.5		
	58 4-methyl-2-pentanone	43	11.921	11.924	(1.212)	97008	25.0000	26.5		
	59 Tetrachloroethene	164	11.898	11.889	(0.896)	20345	5.00000	6.5		
	60 trans-1,3-Dichloropropene	75	11.956	11.958	(1.215)	25595	5.00000	5.2		
	61 1,1,2-Trichloroethane	83	12.142	12.145	(1.234)	14144	5.00000	5.5		
	62 Dibromochloromethane	129	12.363	12.366	(0.931)	20308	5.00000	5.0		
	63 1,3-Dichloropropane	76	12.480	12.482	(0.940)	28459	5.00000	5.2		
	64 1,2-Dibromoethane	107	12.642	12.645	(1.285)	19012	5.00000	5.3		
	65 2-Hexanone	43	12.957	12.947	(0.975)	73149	25.0000	26.2		
*	66 Chlorobenzene-D5	117	13.282	13.284	(1.000)	484019	50.0000			
	67 Chlorobenzene	112	13.305	13.308	(1.002)	48364	5.00000	5.3		
	152 1-Chlorohexane	91	13.294	13.296	(1.456)	26836	5.00000	5.4		
	68 Ethylbenzene	106	13.352	13.354	(1.005)	24610	5.00000	5.2		
	69 1,1,1,2-Tetrachloroethane	131	13.398	13.401	(1.009)	17162	5.00000	5.1		
M	70 Xylenes (total)	106				92588	15.0000		(a)	
	71 m+p-Xylenes	106	13.538	13.540	(1.019)	61934	10.0000	10.7		
	72 o-Xylene	106	14.096	14.087	(1.061)	30654	5.00000	5.2		
	73 Styrene	104	14.166	14.168	(1.067)	53156	5.00000	5.3		
	74 Bromoform	173	14.201	14.191	(1.069)	14318	5.00000	5.1		
	75 Isopropylbenzene	105	14.503	14.505	(0.883)	67851	5.00000	5.5		
$	76 P-Bromofluorobenzene	95	14.887	14.878	(1.513)	23121	5.00000	4.8		
	77 cis-1,4-Dichloro-2-Butene	53	14.980	14.982	(0.912)	4888	5.00000	4.3		

Data File: \\Target_server\GG\chem\gcms-s.i\S061608.b\S1372.D
Report Date: 25-Jun-2008 15:27

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)	REVIEW COD
78 trans-1,4-Dichloro-2-Butene	53	15.410	15.413	(0.938)	5202	5.00000	4.4	
79 Bromobenzene	156	15.015	15.017	(0.914)	21191	5.00000	5.3	
80 N-Propylbenzene	91	15.061	15.064	(0.917)	96869	5.00000	5.6	
81 1,1,2,2-Tetrachloroethane	83	15.166	15.168	(0.924)	20571	5.00000	5.1	
82 1,3,5-Trimethylbenzene	105	15.341	15.331	(0.934)	62664	5.00000	5.5	
83 2-Chlorotoluene	91	15.271	15.273	(0.930)	58794	5.00000	5.4	
84 1,2,3-Trichloropropane	75	15.352	15.343	(0.935)	17477	5.00000	5.4	
85 4-Chlorotoluene	91	15.503	15.506	(0.944)	60135	5.00000	5.4	
86 tert-Butylbenzene	119	15.771	15.773	(0.960)	56486	5.00000	4.9	
87 Pentachloroethane	117	15.794	15.796	(0.962)	7097	5.00000	6.0	
88 1,2,4-Trimethylbenzene	105	15.876	15.866	(0.967)	68387	5.00000	5.5	
89 P-Isopropyltoluene	119	16.224	16.227	(0.988)	60971	5.00000	5.2	
90 1,3-Dichlorobenzene	146	16.318	16.320	(0.994)	39290	5.00000	5.4	
* 91 1,4-Dichlorobenzene-D4	152	16.422	16.424	(1.000)	248593	50.0000		
92 1,4-Dichlorobenzene	146	16.445	16.448	(1.001)	38903	5.00000	5.3	
93 N-Butylbenzene	91	16.829	16.831	(1.025)	56640	5.00000	5.1	
94 sec-Butylbenzene	105	16.015	16.017	(0.975)	76289	5.00000	5.2	
95 1,2-Dichlorobenzene	146	17.050	17.052	(1.038)	36631	5.00000	5.3	
96 1,2-Dibromo-3-Chloropropane	75	18.225	18.227	(1.110)	3725	5.00000	4.9	
97 1,3,5-Trichlorobenzene	180	18.271	18.273	(1.113)	24136	5.00000	4.8	
98 Hexachlorobutadiene	225	19.213	19.215	(1.170)	10706	5.00000	5.3	
99 1,2,4-Trichlorobenzene	180	19.248	19.250	(1.172)	25323	5.00000	5.1	
100 1,2,3-Trimethylbenzene	105	16.480	16.482	(1.004)	58928	5.00000	4.9	
101 Naphthalene	128	19.748	19.750	(1.203)	53748	5.00000	5.3	
102 1,2,3-Trichlorobenzene	180	20.027	20.030	(1.220)	24437	5.00000	5.3	
103 Methyl Acetate	43	4.967	4.969	(0.544)	12182	5.00000	4.2	
104 Methylcyclohexane	83	9.735	9.737	(1.066)	22569	5.00000	4.8	
M 153 Total Alkylbenzenes	100				478306	5.00000	(a)	

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
M - Compound response manually integrated.

Data File: \\Target_server\GG\chem\gcms-s.i\S061608.b\S1372.D
Report Date: 25-Jun-2008 15:27

Katahdin Analytical Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcms-s.i
Lab File ID: S1372.D
Lab Smp Id: VSTD005S16A
Analysis Type: VOA
Quant Type: ISTD
Operator: SKT
Method File: \\Target_server\GG\chem\gcms-s.i\S061608.b\s826a58.m
Misc Info: SW846 8260B

Calibration Date: 16-JUN-2008
Calibration Time: 10:39

Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 4

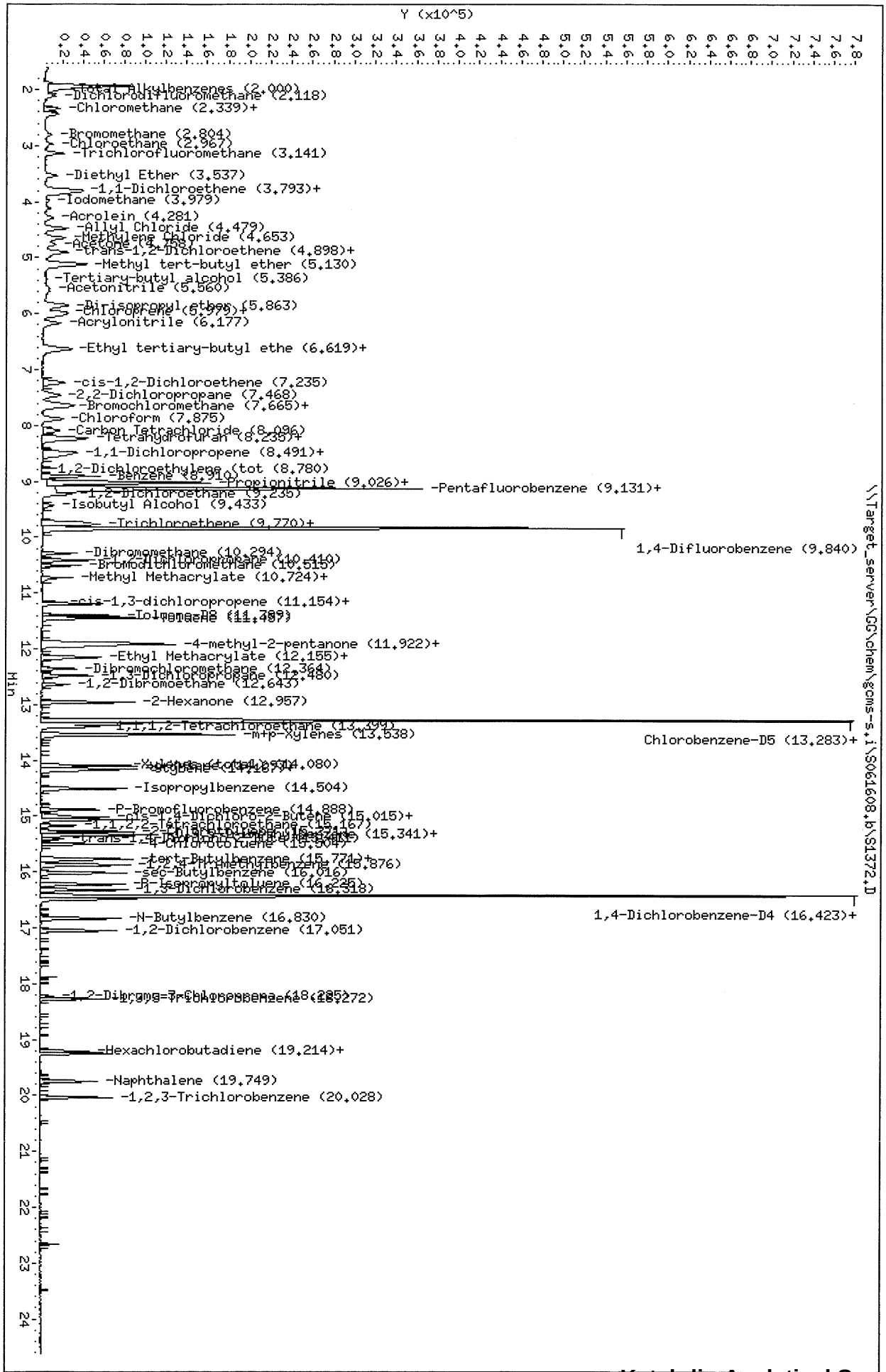
COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	390919	195460	781838	382034	-2.27
49 1,4-Difluorobenze	592560	296280	1185120	558338	-5.78
66 Chlorobenzene-D5	505984	252992	1011968	484019	-4.34
91 1,4-Dichlorobenze	260532	130266	521064	248593	-4.58

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	9.13	8.63	9.63	9.13	-0.02
49 1,4-Difluorobenze	9.84	9.34	10.34	9.84	-0.02
66 Chlorobenzene-D5	13.28	12.78	13.78	13.28	-0.01
91 1,4-Dichlorobenze	16.42	15.92	16.92	16.42	-0.01

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.

Data File: \\Target_server\GC\chem\gcms-s.i\S061608.b\S1372.D
Date : 16-JUN-2008 11:41
Client ID:
Sample Info: VSTD005S16A
Purge Volume: 5.0
Column phase: RTX-VMS

Instrument: gcms-s.i
Operator: SKT
Column diameter: 0.18



Data File: \\Target_server\GG\chem\gcms-s.i\S061608.b\S1375.D
Report Date: 25-Jun-2008 15:27

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gcms-s.i\S061608.b\S1375.D
Lab Smp Id: VSTD001S16B
Inj Date : 16-JUN-2008 13:32 MS Autotune Date: 21-NOV-2007 15:16
Operator : SKT Inst ID: gcms-s.i
Smp Info : VSTD001S16B
Misc Info : SW846 8260B
Comment :
Method : \\Target_server\GG\chem\gcms-s.i\S061608.b\s826a58.m
Meth Date : 25-Jun-2008 15:23 gcms-s.i Quant Type: ISTD
Cal Date : 16-JUN-2008 13:32 Cal File: S1375.D
Als bottle: 9 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.12

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	sample purged
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)	REVIEW CODE
1 Dichlorodifluoromethane	85	2.114	2.120	(0.232)	4002	1.00000	0.98(a)	
2 Chloromethane	50	2.335	2.341	(0.256)	5710	1.00000	1.1	
3 Vinyl chloride	62	2.428	2.434	(0.266)	4491	1.00000	1.0	
4 Bromomethane	94	2.800	2.817	(0.307)	2308	1.00000	1.2	
5 Chloroethane	64	2.974	2.969	(0.326)	2667	1.00000	1.2	SKT 062508
6 Trichlorofluoromethane	101	3.137	3.131	(0.344)	4379	1.00000	1.0	
7 Diethyl Ether	59	3.544	3.527	(0.388)	2778	1.00000	1.1	
8 Tertiary-butyl alcohol	59	5.370	5.376	(0.588)	553	5.00000	5.6(M)	M1
9 1,1-Dichloroethene	96	3.789	3.783	(0.415)	2811	1.00000	1.0	
10 Carbon Disulfide	76	3.812	3.818	(0.418)	8725	1.00000	1.0	
11 Freon-113	151	3.847	3.853	(0.422)	1936	1.00000	0.91(a)	
12 Iodomethane	142	3.975	3.980	(0.436)	1164	1.00000	2.3	
13 Acrolein	56	4.289	4.283	(0.470)	2807	5.00000	4.7(a)	
14 Methylene Chloride	84	4.649	4.655	(0.509)	3479	1.00000	0.98(a)	
15 Acetone	43	4.777	4.760	(0.523)	8121	5.00000	6.3	
16 Isobutyl Alcohol	43	9.441	9.423	(1.034)	1592	20.0000	(a)	
17 trans-1,2-Dichloroethene	96	4.917	4.911	(0.539)	3426	1.00000	1.0	
18 Allyl Chloride	41	4.475	4.481	(0.490)	6428	1.00000	1.1	
19 Methyl tert-butyl ether	73	5.126	5.120	(0.562)	19317	2.00000	2.1	
20 Acetonitrile	39	5.591	5.574	(0.613)	1632	10.0000	12.1(aM)	M1
21 Di-isopropyl ether	45	5.859	5.841	(0.642)	14851	1.00000	1.0	
22 Chloroprene	53	5.987	5.981	(0.656)	6101	1.00000	0.99(a)	
23 Propionitrile	54	8.999	9.005	(0.986)	4652	10.0000	9.9(a)	
24 Methacrylonitrile	41	9.022	9.028	(0.989)	29907	10.0000	11.3	

Data File: \\Target_server\GG\chem\gcms-s.i\S061608.b\S1375.D
Report Date: 25-Jun-2008 15:27

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)	REVIEW CODE
	25 1,1-Dichloroethane	63	6.033	6.027	(0.661)	7300	1.00000	1.1	
	26 Acrylonitrile	52	6.184	6.167	(0.678)	6095	5.00000	5.2	
	27 Ethyl tertiary-butyl ether	59	6.638	6.620	(0.727)	13189	1.00000	1.0	
	28 Vinyl Acetate	43	6.638	6.644	(0.675)	10376	1.00000	1.1	
	29 cis-1,2-Dichloroethene	96	7.243	7.225	(0.794)	3847	1.00000	0.98(aM)	M9
M	30 1,2-Dichloroethylene (total)	96				7273	1.00000	(a)	
	31 Methyl Methacrylate	41	10.720	10.726	(1.090)	3708	1.00000	1.0	
	32 2,2-Dichloropropane	77	7.464	7.458	(0.818)	6075	1.00000	1.2	
	33 Bromochloromethane	128	7.673	7.667	(0.841)	1763	1.00000	0.96(aM)	M9
	34 Chloroform	83	7.871	7.876	(0.862)	6684	1.00000	1.0	
	35 Carbon Tetrachloride	117	8.080	8.086	(0.821)	4064	1.00000	0.96(a)	
	36 Tetrahydrofuran	42	8.231	8.189	(0.902)	4940	5.00000	4.8(a)	
$	37 Dibromofluoromethane	113	8.254	8.249	(0.904)	4287	1.00000	1.0	
	38 1,1,1-Trichloroethane	97	8.243	8.237	(0.903)	4994	1.00000	0.99(a)	
	39 1,1-Dichloropropene	75	8.487	8.481	(0.863)	4797	1.00000	0.97(a)	
	40 2-Butanone	43	8.533	8.528	(0.935)	9416	5.00000	4.9(a)	
	41 Benzene	78	8.906	8.900	(0.905)	14573	1.00000	1.0	
*	42 Pentafluorobenzene	168	9.127	9.132	(1.000)	391704	50.0000		
	43 Cyclohexane	56	7.638	7.621	(0.837)	4811	1.00000	0.99(a)	
	44 Ethyl Methacrylate	69	12.174	12.168	(1.238)	4258	1.00000	0.98(a)	
$	45 1,2-Dichloroethane-D4	65	9.138	9.132	(1.001)	5595	1.00000	1.2	
	46 Tertiary-amyl methyl ether	73	9.162	9.167	(1.004)	11034	1.00000	1.1	
	47 1,2-Dichloroethane	62	9.243	9.237	(0.940)	5723	1.00000	1.0(M)	M10
	48 Trichloroethene	95	9.778	9.772	(0.994)	3879	1.00000	1.0	
*	49 1,4-Difluorobenzene	114	9.836	9.842	(1.000)	590533	50.0000		
	50 Dibromomethane	93	10.290	10.295	(1.046)	2598	1.00000	1.0	
	51 1,2-Dichloropropane	63	10.418	10.412	(1.059)	2566	1.00000	0.72(aM)	M6
	52 Bromodichloromethane	83	10.511	10.505	(1.069)	5304	1.00000	1.0	
	53 cis-1,3-dichloropropene	75	11.197	11.203	(1.138)	6325	1.00000	1.0	
$	55 Toluene-D8	98	11.394	11.400	(1.158)	13639	1.00000	1.1	
	56 2-Chloroethylvinylether	63	11.162	11.156	(1.135)	1459	1.00000	0.90(a)	
	57 Toluene	92	11.453	11.458	(1.164)	9445	1.00000	1.1	
	58 4-methyl-2-pentanone	43	11.918	11.924	(1.212)	19788	5.00000	5.1	
	59 Tetrachloroethene	164	11.895	11.889	(0.895)	2960	1.00000	0.93(a)	
	60 trans-1,3-Dichloropropene	75	11.953	11.958	(1.215)	5347	1.00000	1.0	
	61 1,1,2-Trichloroethane	83	12.139	12.145	(1.234)	2464	1.00000	0.91(a)	
	62 Dibromochloromethane	129	12.360	12.366	(0.930)	3956	1.00000	0.95(a)	
	63 1,3-Dichloropropane	76	12.476	12.482	(0.939)	5755	1.00000	1.0	
	64 1,2-Dibromoethane	107	12.639	12.645	(1.285)	3934	1.00000	1.0(M)	M6
	65 2-Hexanone	43	12.953	12.947	(0.975)	15046	5.00000	5.3	
*	66 Chlorobenzene-D5	117	13.290	13.284	(1.000)	492014	50.0000		
	67 Chlorobenzene	112	13.313	13.308	(1.002)	9714	1.00000	1.0	
	152 1-Chlorohexane	91	13.290	13.296	(1.456)	5771	1.00000	1.1	
	68 Ethylbenzene	106	13.348	13.354	(1.004)	5334	1.00000	1.1	
	69 1,1,1,2-Tetrachloroethane	131	13.395	13.401	(1.008)	3558	1.00000	1.0(M)	M10
M	70 Xylenes (total)	106				19881	5.00000	(a)	
	71 m+p-Xylenes	106	13.534	13.540	(1.018)	13185	2.00000	2.2	
	72 o-Xylene	106	14.093	14.087	(1.060)	6696	1.00000	1.1	
	73 Styrene	104	14.162	14.168	(1.066)	10061	1.00000	0.99(a)	
	74 Bromoform	173	14.197	14.191	(1.068)	2378	1.00000	0.84(Ta)	
	75 Isopropylbenzene	105	14.511	14.505	(0.883)	13078	1.00000	1.00	
$	76 P-Bromofluorobenzene	95	14.883	14.878	(1.513)	6541	1.00000	1.3	
	77 cis-1,4-Dichloro-2-Butene	53	14.976	14.982	(0.912)	1124	1.00000	0.94(a)	
	78 trans-1,4-Dichloro-2-Butene	53	15.407	15.413	(0.938)	1182	1.00000	0.94(a)	

SKT 062508

Data File: \\Target_server\GG\chem\gcms-s.i\S061608.b\S1375.D
Report Date: 25-Jun-2008 15:27

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT. (ug/l)	AMOUNTS ON-COL (ug/l)	REVIEW CODE
79 Bromobenzene	156	15.023	15.017	(0.914)	4202	1.00000	0.99(a)	
80 N-Propylbenzene	91	15.058	15.064	(0.916)	18378	1.00000	1.0	
81 1,1,2,2-Tetrachloroethane	83	15.174	15.168	(0.924)	3907	1.00000	0.92(a)	
82 1,3,5-Trimethylbenzene	105	15.337	15.331	(0.933)	11452	1.00000	0.95(a)	
83 2-Chlorotoluene	91	15.267	15.273	(0.929)	11367	1.00000	0.99(a)	
84 1,2,3-Trichloropropane	75	15.349	15.343	(0.934)	3525	1.00000	1.0	
85 4-Chlorotoluene	91	15.500	15.506	(0.943)	11752	1.00000	1.0	
86 tert-Butylbenzene	119	15.767	15.773	(0.960)	11717	1.00000	0.97(a)	
87 Pentachloroethane	117	15.802	15.796	(0.962)	2805	1.00000	4.6	
88 1,2,4-Trimethylbenzene	105	15.872	15.866	(0.966)	12689	1.00000	0.96(a)	
89 P-Isopropyltoluene	119	16.221	16.227	(0.987)	11714	1.00000	0.95(a)	
90 1,3-Dichlorobenzene	146	16.325	16.320	(0.994)	7893	1.00000	1.0	
* 91 1,4-Dichlorobenzene-D4	152	16.430	16.424	(1.000)	262467	50.0000		
92 1,4-Dichlorobenzene	146	16.453	16.448	(1.001)	8042	1.00000	1.0	
93 N-Butylbenzene	91	16.826	16.831	(1.024)	10736	1.00000	0.91(a)	
94 sec-Butylbenzene	105	16.023	16.017	(0.975)	15108	1.00000	0.97(a)	
95 1,2-Dichlorobenzene	146	17.047	17.052	(1.038)	7271	1.00000	1.00	
96 1,2-Dibromo-3-Chloropropane	75	18.221	18.227	(1.109)	658	1.00000	0.82(a)	
97 1,3,5-Trichlorobenzene	180	18.279	18.273	(1.113)	5288	1.00000	0.99(a)	
98 Hexachlorobutadiene	225	19.210	19.215	(1.169)	1938	1.00000	0.91(a)	
99 1,2,4-Trichlorobenzene	180	19.256	19.250	(1.172)	5310	1.00000	1.0	
100 1,2,3-Trimethylbenzene	105	16.488	16.482	(1.004)	12624	1.00000	0.99(a)	
101 Naphthalene	128	19.745	19.750	(1.202)	10344	1.00000	0.96(a)	
102 1,2,3-Trichlorobenzene	180	20.035	20.030	(1.219)	4727	1.00000	0.97(a)	
103 Methyl Acetate	43	4.975	4.969	(0.545)	3241	1.00000	1.1(M)	M1
104 Methylcyclohexane	83	9.743	9.737	(1.068)	4638	1.00000	0.96(a)	
M 153 Total Alkylbenzenes	100				91794	1.00000	(a)	

SRT
6/25/08

QC Flag Legend

T - Target compound detected outside RT window.
a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).
M - Compound response manually integrated.

Data File: \\Target_server\GG\chem\gcms-s.i\S061608.b\S1375.D
Report Date: 25-Jun-2008 15:27

Katahdin Analytical Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcms-s.i
Lab File ID: S1375.D
Lab Smp Id: VSTD001S16B
Analysis Type: VOA
Quant Type: ISTD
Operator: SKT
Method File: \\Target_server\GG\chem\gcms-s.i\S061608.b\s826a58.m
Misc Info: SW846 8260B

Calibration Date: 16-JUN-2008
Calibration Time: 10:39

Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 4

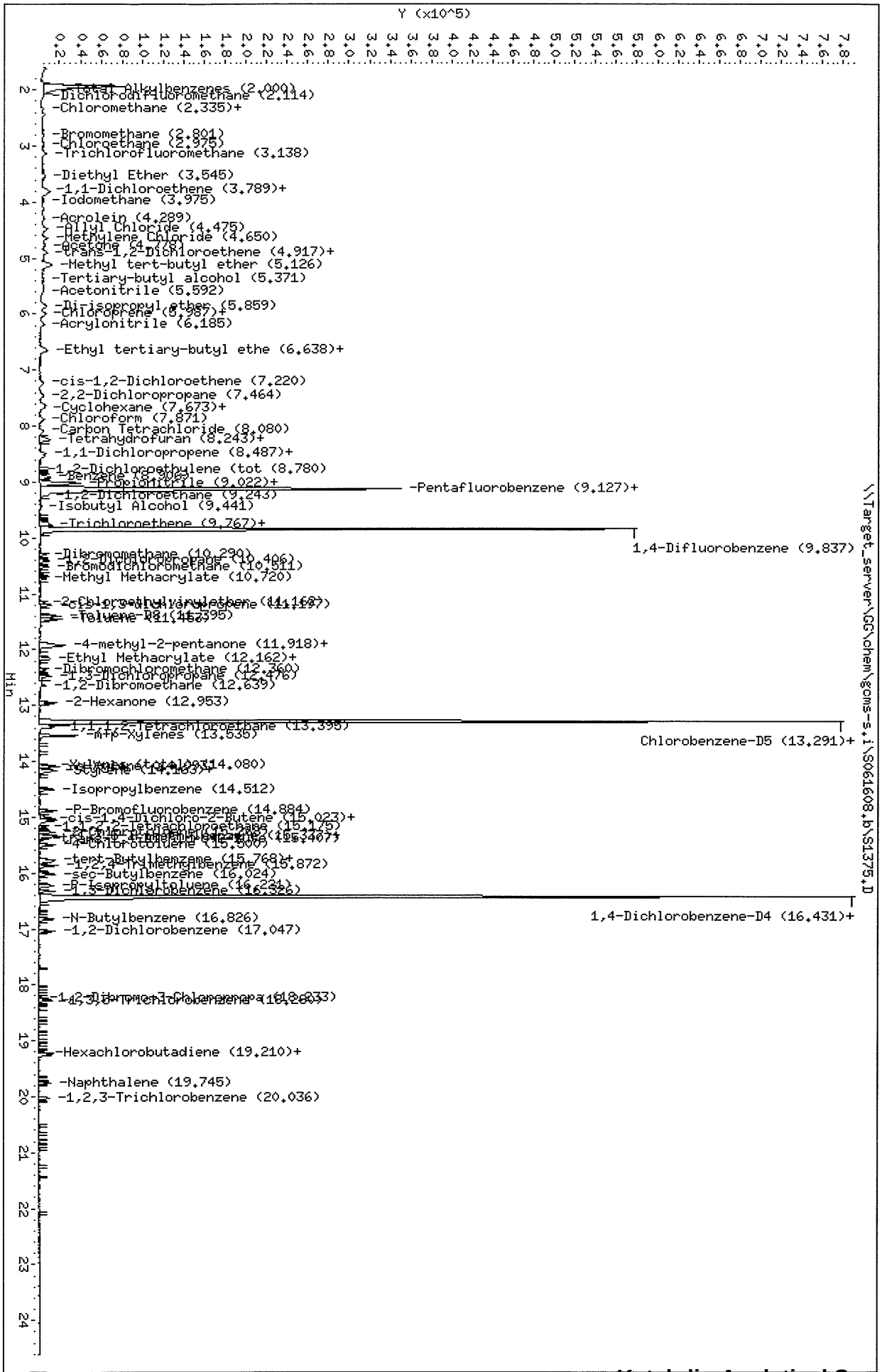
COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	390919	195460	781838	391704	0.20
49 1,4-Difluorobenze	592560	296280	1185120	590533	-0.34
66 Chlorobenzene-D5	505984	252992	1011968	492014	-2.76
91 1,4-Dichlorobenze	260532	130266	521064	262467	0.74

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	9.13	8.63	9.63	9.13	-0.06
49 1,4-Difluorobenze	9.84	9.34	10.34	9.84	-0.05
66 Chlorobenzene-D5	13.28	12.78	13.78	13.29	0.05
91 1,4-Dichlorobenze	16.42	15.92	16.92	16.43	0.04

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.

Data File: \\Target_server\GC\chem\gcms-s.i\S061608.b\S1375.D
Date : 16-JUN-2008 13:32
Client ID:
Sample Info: VSTD001S16B
Purge Volume: 5.0
Column phase: RTX-VMS

Instrument: gcms-s.i
Operator: SKT
Column diameter: 0.18



FORM 7B
VOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 426 NLON SDG No.: CTO426-3

Instrument ID: GCMS-F Calibration Date: 06/18/08 Time: 1031

Lab File ID: F0959 Init. Calib. Date(s): 06/13/08 06/13/08

Init. Calib. Times: 1506 1740

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	
Methyl tert-butyl ether	1.3440000	1.3929000	1.3929000	0.01	3.64		AVRG	
Benzene	1.3300000	1.4309000	1.4309000	0.01	7.59		AVRG	
Toluene	0.7990000	0.8644400	0.8644400	0.01	8.19	20.00	AVRG	
Ethylbenzene	0.5220000	0.5505300	0.5505300	0.01	5.46	20.00	AVRG	
Xylenes (total)	0.0000000	0.6834100	0.6834100	0.01	0.00		AVRG	<-
m+p-Xylenes	0.6360000	0.7083400	0.7083400	0.01	11.37		AVRG	
o-Xylene	0.5880000	0.6335400	0.6335400	0.01	7.74		AVRG	
Isopropylbenzene	46.840000	50.000000	2.5591000	0.01	-6.32		LINR	
Naphthalene	1.4660000	0.9929200	0.9929200	0.01	-32.27		AVRG	
Dibromofluoromethane	0.5680000	0.5112500	0.5112500	0.01	-9.99		AVRG	
1,2-Dichloroethane-D4	0.6420000	0.6637100	0.6637100	0.01	3.38		AVRG	
Toluene-D8	1.3110000	1.2293000	1.2293000	0.01	-6.23		AVRG	
P-Bromofluorobenzene	0.4580000	0.4446200	0.4446200	0.01	-2.92		AVRG	

Data File: \\target_server\GG\chem\gcms-f.i\F061808.b\F0959.D
Report Date: 25-Jun-2008 15:52

Katahdin Analytical Services

Data file : \\target_server\GG\chem\gcms-f.i\F061808.b\F0959.D
Lab Smp Id: VSTD050F18B
Inj Date : 18-JUN-2008 10:31 MS Autotune Date: 01-JAN-1990 15:37
Operator : TTC Inst ID: gcms-f.i
Smp Info : VSTD050F18B
Misc Info : SW846 8260B
Comment :
Method : \\Target_server\GG\chem\gcms-f.i\F061808.b\F826a08.m
Meth Date : 18-Jun-2008 10:55 tcote Quant Type: ISTD
Cal Date : 13-JUN-2008 17:40 Cal File: F0839.D
Als bottle: 2 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.12
Processing Host: TARGET06

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	sample purged
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)	REVIEW CODE
1 Dichlorodifluoromethane	85	1.892	1.883	(0.222)	243123	50.0000	60.1	
2 Chloromethane	50	2.090	2.080	(0.245)	382580	50.0000	56.6	
3 Vinyl chloride	62	2.171	2.161	(0.255)	326970	50.0000	58.5	
4 Bromomethane	94	2.507	2.498	(0.294)	176781	50.0000	60.0	
5 Chloroethane	64	2.647	2.626	(0.310)	193203	50.0000	60.8	
6 Trichlorofluoromethane	101	2.786	2.777	(0.327)	304711	50.0000	70.8	
7 Diethyl Ether	59	3.146	3.125	(0.369)	223124	50.0000	58.3	
8 Tertiary-butyl alcohol	59	4.724	4.704	(0.554)	58352	250.000	209	
9 1,1-Dichloroethene	96	3.366	3.346	(0.395)	212923	50.0000	59.0	
10 Carbon Disulfide	76	3.389	3.380	(0.397)	668833	50.0000	61.7	
11 Freon-113	151	3.413	3.404	(0.400)	152730	50.0000	63.3	
12 Iodomethane	142	3.540	3.520	(0.415)	299532	50.0000	60.7	
13 Acrolein	56	3.796	3.775	(0.445)	188040	250.000	234	
14 Methylene Chloride	84	4.109	4.089	(0.482)	268831	50.0000	51.2	
15 Acetone	43	4.202	4.192	(0.493)	339134	250.000	230	
16 Isobutyl Alcohol	43	8.891	8.872	(1.042)	130181	1000.00	928	
17 trans-1,2-Dichloroethene	96	4.341	4.320	(0.509)	252591	50.0000	53.6	
18 Allyl Chloride	41	3.970	3.949	(0.465)	526207	50.0000	62.7	
19 Methyl tert-butyl ether	73	4.527	4.507	(0.531)	1222642	100.000	104	
20 Acetonitrile	39	4.898	4.866	(0.574)	82014	500.000	538	
21 Di-isopropyl ether	45	5.165	5.145	(0.605)	1047240	50.0000	52.7	
22 Chloroprene	53	5.281	5.261	(0.619)	456532	50.0000	59.4	
23 Propionitrile	54	8.357	8.337	(0.980)	361283	500.000	549	

Data File: \\target_server\GG\chem\gcms-f.i\F061808.b\F0959.D
Report Date: 25-Jun-2008 15:52

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)	REVIEW CODE
	24 Methacrylonitrile	41	8.392	8.372	(0.984)	2130927	500.000	583	
	25 1,1-Dichloroethane	63	5.316	5.296	(0.623)	501475	50.0000	58.3	
	26 Acrylonitrile	52	5.432	5.412	(0.637)	446407	250.000	265	
	27 Ethyl tertiary-butyl ether	59	5.850	5.818	(0.686)	792870	50.0000	52.4	
	28 Vinyl Acetate	43	5.850	5.830	(0.625)	613898	50.0000	52.9	
	29 cis-1,2-Dichloroethene	96	6.372	6.341	(0.747)	251653	50.0000	51.5	
M	30 1,2-Dichloroethylene (total)	96				504244	50.0000	105	
	31 Methyl Methacrylate	41	10.353	10.335	(1.105)	209480	50.0000	45.1	
	32 2,2-Dichloropropane	77	6.593	6.561	(0.773)	317943	50.0000	70.2	
	33 Bromochloromethane	128	6.790	6.759	(0.796)	110320	50.0000	54.0	
	34 Chloroform	83	7.011	6.991	(0.822)	417667	50.0000	57.7	
	35 Carbon Tetrachloride	117	7.266	7.235	(0.776)	255684	50.0000	61.6	
	36 Tetrahydrofuran	42	7.370	7.339	(0.864)	349276	250.000	247	
$	37 Dibromofluoromethane	113	7.440	7.409	(0.872)	224377	50.0000	45.0	
	38 1,1,1-Trichloroethane	97	7.440	7.409	(0.872)	322809	50.0000	59.7	
	39 1,1-Dichloropropene	75	7.730	7.699	(0.825)	301839	50.0000	56.1	
	40 2-Butanone	43	7.777	7.746	(0.912)	672295	250.000	281	
	41 Benzene	78	8.252	8.233	(0.881)	971444	50.0000	53.8	
*	42 Pentafluorobenzene	168	8.531	8.512	(1.000)	438882	50.0000		
	43 Cyclohexane	56	6.767	6.736	(0.793)	341761	50.0000	61.7	
	44 Ethyl Methacrylate	69	11.792	11.774	(1.259)	262892	50.0000	45.0	
$	45 1,2-Dichloroethane-D4	65	8.519	8.500	(0.999)	291290	50.0000	51.7	
	46 Tertiary-amyl methyl ether	73	8.577	8.558	(1.005)	616494	50.0000	49.5	
	47 1,2-Dichloroethane	62	8.647	8.628	(0.923)	364301	50.0000	64.6	
	48 Trichloroethene	95	9.274	9.255	(0.990)	247052	50.0000	57.0	
*	49 1,4-Difluorobenzene	114	9.367	9.348	(1.000)	678902	50.0000		
	50 Dibromomethane	93	9.854	9.835	(1.052)	137682	50.0000	53.3	
	51 1,2-Dichloropropane	63	9.993	9.975	(1.067)	250729	50.0000	53.5	
	52 Bromodichloromethane	83	10.098	10.079	(1.078)	326385	50.0000	58.7	
	53 cis-1,3-dichloropropene	75	10.841	10.834	(1.157)	402305	50.0000	58.2	
	54 1,4-Dioxane	88	10.365	10.346	(1.107)	27027	1000.00	519	
$	55 Toluene-D8	98	11.038	11.031	(1.178)	834566	50.0000	46.9	
	56 2-Chloroethylvinylether	63	10.817	10.799	(1.155)	128066	50.0000	42.2	
	57 Toluene	92	11.096	11.078	(1.185)	586872	50.0000	54.1	
	58 4-methyl-2-pentanone	43	11.549	11.530	(1.233)	1413114	250.000	293	
	59 Tetrachloroethene	164	11.502	11.484	(0.894)	218592	50.0000	56.0	
	60 trans-1,3-Dichloropropene	75	11.572	11.554	(1.235)	347335	50.0000	60.8	
	61 1,1,2-Trichloroethane	83	11.746	11.728	(1.254)	172502	50.0000	53.2	
	62 Dibromochloromethane	129	11.943	11.925	(0.928)	206012	50.0000	51.7	
	63 1,3-Dichloropropane	76	12.059	12.041	(0.937)	378586	50.0000	54.3	
	64 1,2-Dibromoethane	107	12.210	12.204	(1.304)	195814	50.0000	50.0	
	65 2-Hexanone	43	12.558	12.540	(0.976)	849193	250.000	232	
*	66 Chlorobenzene-D5	117	12.872	12.854	(1.000)	580047	50.0000		
	67 Chlorobenzene	112	12.883	12.877	(1.001)	652653	50.0000	52.9	
	152 1-Chlorohexane	91	12.895	12.877	(1.512)	290071	50.0000	53.2	
	68 Ethylbenzene	106	12.941	12.923	(1.005)	319332	50.0000	52.7	
	69 1,1,1,2-Tetrachloroethane	131	12.976	12.958	(1.008)	209028	50.0000	53.4	
M	70 Xylenes (total)	106				1189230	150.000	165	
	71 m+p-Xylenes	106	13.127	13.121	(1.020)	821746	100.000	111	
	72 o-Xylene	106	13.672	13.666	(1.062)	367484	50.0000	53.8	
	73 Styrene	104	13.742	13.736	(1.068)	679626	50.0000	50.1	
	74 Bromoform	173	13.765	13.748	(1.069)	133283	50.0000	49.9(T)	
	75 Isopropylbenzene	105	14.090	14.073	(0.881)	747897	50.0000	46.8	
$	76 P-Bromofluorobenzene	95	14.450	14.433	(1.543)	301852	50.0000	48.5	

Data File: \\target_server\GG\chem\gcms-f.i\F061808.b\F0959.D
Report Date: 25-Jun-2008 15:52

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)	REVIEW CODE
77 cis-1,4-Dichloro-2-Butene	53	14.554	14.537	(0.910)	91351	50.0000	52.3	
78 trans-1,4-Dichloro-2-Butene	53	14.984	14.967	(0.937)	92901	50.0000	58.5	
79 Bromobenzene	156	14.578	14.572	(0.911)	234680	50.0000	49.3	
80 N-Propylbenzene	91	14.647	14.630	(0.916)	1057892	50.0000	55.0	
81 1,1,2,2-Tetrachloroethane	83	14.740	14.723	(0.922)	220139	50.0000	44.3	
82 1,3,5-Trimethylbenzene	105	14.926	14.909	(0.933)	703701	50.0000	54.0	
83 2-Chlorotoluene	91	14.845	14.827	(0.928)	670370	50.0000	52.1	
84 1,2,3-Trichloropropane	75	14.914	14.897	(0.933)	203766	50.0000	49.1	
85 4-Chlorotoluene	91	15.065	15.060	(0.942)	704605	50.0000	53.3	
86 tert-Butylbenzene	119	15.355	15.338	(0.960)	579170	50.0000	51.2	
87 Pentachloroethane	117	15.367	15.350	(0.961)	104645	50.0000	40.8	
88 1,2,4-Trimethylbenzene	105	15.460	15.443	(0.967)	737299	50.0000	48.9	
89 P-Isopropyltoluene	119	15.820	15.803	(0.989)	581395	50.0000	48.0	
90 1,3-Dichlorobenzene	146	15.878	15.861	(0.993)	405565	50.0000	49.6	
* 91 1,4-Dichlorobenzene-D4	152	15.994	15.977	(1.000)	292252	50.0000		
92 1,4-Dichlorobenzene	146	16.005	16.000	(1.001)	430964	50.0000	48.4	
93 N-Butylbenzene	91	16.411	16.395	(1.026)	543201	50.0000	55.5	
94 sec-Butylbenzene	105	15.599	15.582	(0.975)	780431	50.0000	53.9	
95 1,2-Dichlorobenzene	146	16.609	16.591	(1.038)	367010	50.0000	47.1	
96 1,2-Dibromo-3-Chloropropane	75	17.781	17.765	(1.112)	30590	50.0000	44.0	
97 1,3,5-Trichlorobenzene	180	17.839	17.823	(1.115)	215482	50.0000	45.4	
98 Hexachlorobutadiene	225	18.779	18.763	(1.174)	74485	50.0000	44.5	
99 1,2,4-Trichlorobenzene	180	18.802	18.786	(1.176)	170117	50.0000	40.6	
100 1,2,3-Trimethylbenzene	105	16.063	16.046	(1.004)	763697	50.0000	50.4	
101 Naphthalene	128	19.301	19.286	(1.207)	290183	50.0000	33.9	
102 1,2,3-Trichlorobenzene	180	19.580	19.564	(1.224)	114929	50.0000	35.0	
103 Methyl Acetate	43	4.388	4.379	(0.514)	253215	50.0000	51.8	
104 Methylcyclohexane	83	9.239	9.220	(1.083)	253040	50.0000	56.7	
M 153 Total Alkylbenzenes	100				4983089	50.0000	366	

QC Flag Legend

T - Target compound detected outside RT window.

Data File: \\target_server\GG\chem\gcms-f.i\F061808.b\F0959.D
Report Date: 25-Jun-2008 15:52

Katahdin Analytical Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcms-f.i
Lab File ID: F0959.D
Lab Smp Id: VSTD050F18B
Analysis Type: VOA
Quant Type: ISTD
Operator: TTC
Method File: \\Target_server\GG\chem\gcms-f.i\F061808.b\F826a08.m
Misc Info: SW846 8260B

Calibration Date: 18-JUN-2008
Calibration Time: 09:48

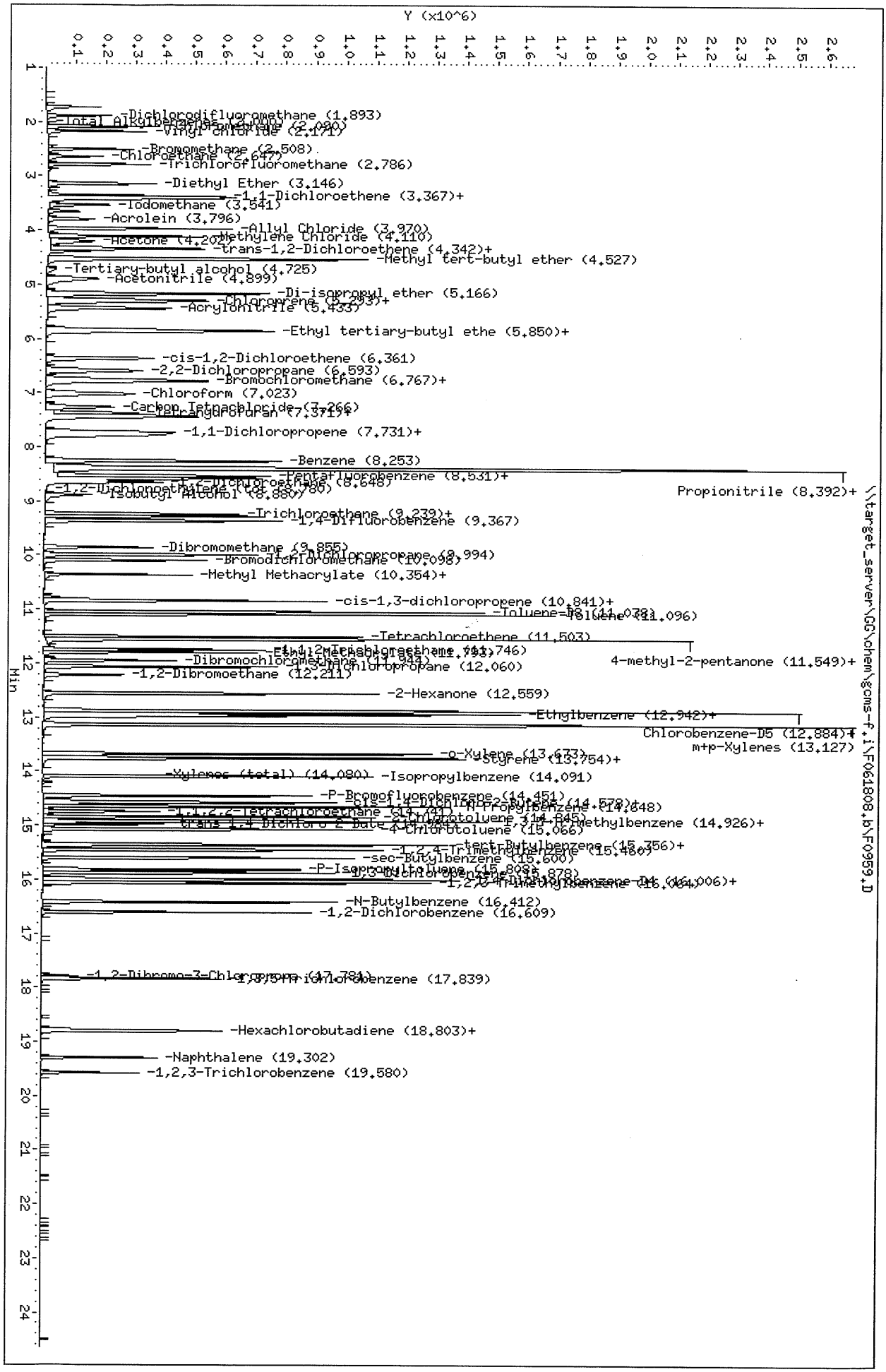
Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 4

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	549958	274979	1099916	438882	-20.20
49 1,4-Difluorobenze	859297	429649	1718594	678902	-20.99
66 Chlorobenzene-D5	720945	360473	1441890	580047	-19.54
91 1,4-Dichlorobenze	335414	167707	670828	292252	-12.87

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	8.51	8.01	9.01	8.53	0.23
49 1,4-Difluorobenze	9.35	8.85	9.85	9.37	0.21
66 Chlorobenzene-D5	12.85	12.35	13.35	12.87	0.14
91 1,4-Dichlorobenze	15.98	15.48	16.48	15.99	0.11

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.


Data File: \\target_server\GC\chem\gcms-f.i\F061808.b\F0959.D
Date : 18-JUN-2008 10:31
Client ID:
Sample Info: VSTD050F18B
Purge Volume: 5.0
Column phase: RTX-VMS
Instrument: gcms-f.i
Operator: TTC
Column diameter: 0.18
Y (x10^6)
Min
-Dichlorodifluoromethane (1.893)
-Total Alkylbenzenes (3.000)
-Vinyl chloride (2.171)
-Bromomethane (2.508)
-Chloroethane (2.647)
-Trichlorofluoromethane (2.786)
-Diethyl Ether (3.146)
-1,1-Dichloroethene (3.367)+
-Iodomethane (3.541)
-Acrolein (3.796)
-Allyl Chloride (3.970)
-Acetone (4.207)
-Methylene Chloride (4.110)
-trans-1,2-Dichloroethene (4.342)+
-Methyl tert-butyl ether (4.527)
-Tertiary-butyl alcohol (4.725)
-Acetonitrile (4.899)
-Di-isopropyl ether (5.166)
-Chloroprene (5.293)+
-Acrylonitrile (5.433)
-Ethyl tertiary-butyl ethe (5.850)+
-cis-1,2-Dichloroethene (6.361)
-2,2-Dichloropropane (6.593)
-Bromochloromethane (6.767)+
-Chloroform (7.023)
-Carbon Tetrachloride (7.266)
-Tetrahydrofuran (7.371)+
-1,1-Dichloropropene (7.731)+
-Benzene (8.253)
-Pentafluorobenzene (8.531)+
-1,1-Dichloroethane (8.648)
-1,2-Dichloroethane-D4 (8.786)
-Isobutyl Alcohol (8.880)
Propionitrile (8.392)+
-Trichloroethene (9.239)+
-1,4-Difluorobenzene (9.367)
-Dibromomethane (9.855)
-1,2-Dichloropropane (9.994)
-Bromodichloromethane (10.098)
-Methyl Methacrylate (10.354)+
-cis-1,3-dichloropropene (10.841)+
-Toluene-D8 (11.078)
-Toluene (11.096)
-Tetrachloroethene (11.503)
-Ethyl Methacrylate (11.746)
-Dibromochloromethane (11.944)
-1,3-Trichloropropane (12.060)
4-methyl-2-pentanone (11.549)+
-1,2-Dibromoethane (12.211)
-2-Hexanone (12.559)
-Ethylbenzene (12.942)+
Chlorobenzene-D5 (12.884)+
m+p-Xylenes (13.127)
-o-Xylene (13.673)
-Styrene (13.754)+
-Xylenes (total) (14.080)
-Isopropylbenzene (14.091)
-P-Bromofluorobenzene (14.451)
-cis-1,4-Dichlorobutene (14.578)
-N-Propylbenzene (14.648)
-1,1,2,2-Tetrachloroethane (14.701)
-2-Chlorotoluene (14.845)
-trans-1,4-Dichloro-2-butene
-1,3,5-Trimethylbenzene (14.926)+
-4-Chlorotoluene (15.066)
-1,2,4-Trimethylbenzene (15.469)
-tert-Butylbenzene (15.356)+
-sec-Butylbenzene (15.600)
-P-Isopropyltoluene (15.808)
-1,3-Dichlorobenzene (15.878)
-1,4-Dichlorobenzene-D4 (16.006)+
-1,2,3-Trimethylbenzene (16.064)
-N-Butylbenzene (16.412)
-1,2-Dichlorobenzene (16.609)
-1,2-Dibromo-3-Chloropropane (17.781)
-1,3,5-Trichlorobenzene (17.839)
-Hexachlorobutadiene (18.803)+
-Naphthalene (19.302)
-1,2,3-Trichlorobenzene (19.580)
\\target_server\GC\chem\gcms-f.i\F061808.b\F0959.D

FORM 7B
VOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 426 NLON SDG No.: CTO426-3

Instrument ID: GCMS-S Calibration Date: 06/18/08 Time: 0916

Lab File ID: S1415 Init. Calib. Date(s): 06/16/08 06/16/08

Init. Calib. Times: 0936 1332

GC Column: RTX-VMS ID: 0.18 (mm)

COMPOUND	RRF OR AMOUNT	RRF50.000 OR AMOUNT	MIN RRF	%D OR %DRIFT	MAX %D OR %DRIFT	CURV TYPE	
Methyl tert-butyl ether	1.1620000	1.1332000	0.01	-2.48		AVRG	
Benzene	1.1920000	1.0358000	0.01	-13.10		AVRG	
Toluene	0.7340000	0.7003600	0.01	-4.58	20.00	AVRG	
Ethylbenzene	0.4830000	0.4856500	0.01	0.55	20.00	AVRG	
Xylenes (total)	0.0000000	0.6030600	0.01	0.00		AVRG	<-
m+p-Xylenes	0.5980000	0.5997100	0.01	0.28		AVRG	
o-Xylene	0.6130000	0.6097400	0.01	-0.53		AVRG	
Isopropylbenzene	2.4980000	2.5046000	0.01	0.26		AVRG	
Naphthalene	2.0510000	1.6987000	0.01	-17.18		AVRG	
Dibromofluoromethane	0.5190000	0.5118300	0.01	-1.38		AVRG	
1,2-Dichloroethane-D4	0.5950000	0.5785200	0.01	-2.77		AVRG	
Toluene-D8	1.0070000	0.9992400	0.01	-0.77		AVRG	
P-Bromofluorobenzene	0.4360000	0.4726200	0.01	8.40		AVRG	

Data File: \\target_server\GG\chem\gcms-s.i\S061808.b\S1415.D
Report Date: 25-Jun-2008 15:52

Katahdin Analytical Services

Data file : \\target_server\GG\chem\gcms-s.i\S061808.b\S1415.D
Lab Smp Id: VSTD050S18A
Inj Date : 18-JUN-2008 09:16 MS Autotune Date: 21-NOV-2007 15:16
Operator : SKT Inst ID: gcms-s.i
Smp Info : VSTD050S18A
Misc Info : SW846 8260B
Comment :
Method : \\Target_server\GG\chem\gcms-s.i\S061808.b\s826a58.m
Meth Date : 18-Jun-2008 12:04 gcms-s.i Quant Type: ISTD
Cal Date : 16-JUN-2008 13:32 Cal File: S1375.D
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.12

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	sample purged
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)	REVIEW CODE
1 Dichlorodifluoromethane	85	2.125	2.120	(0.233)	166671	50.0000	51.7	
2 Chloromethane	50	2.346	2.341	(0.257)	178653	50.0000	43.8	
3 Vinyl chloride	62	2.439	2.434	(0.267)	169322	50.0000	48.6	
4 Bromomethane	94	2.823	2.817	(0.309)	86337	50.0000	57.6	
5 Chloroethane	64	2.974	2.969	(0.326)	92852	50.0000	52.4	
6 Trichlorofluoromethane	101	3.137	3.131	(0.344)	198381	50.0000	57.9	
7 Diethyl Ether	59	3.533	3.527	(0.387)	99723	50.0000	48.5	
8 Tertiary-butyl alcohol	59	5.370	5.376	(0.588)	28844	250.000	144	
9 1,1-Dichloroethene	96	3.800	3.783	(0.416)	112604	50.0000	51.2	
10 Carbon Disulfide	76	3.823	3.818	(0.419)	342243	50.0000	50.6	
11 Freon-113	151	3.858	3.853	(0.423)	87225	50.0000	51.6	
12 Iodomethane	142	3.986	3.980	(0.437)	134032	50.0000	59.7	SKT 062506
13 Acrolein	56	4.289	4.283	(0.470)	100641	250.000	215	
14 Methylene Chloride	84	4.661	4.655	(0.511)	137018	50.0000	48.8	
15 Acetone	43	4.754	4.760	(0.521)	191927	250.000	189	
16 Isobutyl Alcohol	43	9.429	9.423	(1.033)	49019	1000.00	510	
17 trans-1,2-Dichloroethene	96	4.905	4.911	(0.537)	135811	50.0000	52.8	
18 Allyl Chloride	41	4.486	4.481	(0.492)	230909	50.0000	49.7	
19 Methyl tert-butyl ether	73	5.114	5.120	(0.560)	703415	100.000	97.6	
20 Acetonitrile	39	5.579	5.574	(0.611)	27399	500.000	388(M)	M9
21 Di-isopropyl ether	45	5.847	5.841	(0.641)	552105	50.0000	49.3	
22 Chloroprene	53	5.986	5.981	(0.656)	259387	50.0000	53.1	
23 Propionitrile	54	8.999	9.005	(0.986)	150472	500.000	405	
24 Methacrylonitrile	41	9.022	9.028	(0.989)	960013	500.000	458	

Data File: \\target_server\GG\chem\gcms-s.i\S061808.b\S1415.D
Report Date: 25-Jun-2008 15:52

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)	REVIEW CODE
	25 1,1-Dichloroethane	63	6.033	6.027	(0.661)	261251	50.0000	49.4	
	26 Acrylonitrile	52	6.173	6.167	(0.676)	199373	250.000	216	
	27 Ethyl tertiary-butyl ether	59	6.626	6.620	(0.726)	495010	50.0000	49.1	
	28 Vinyl Acetate	43	6.649	6.644	(0.675)	362031	50.0000	47.5	
	29 cis-1,2-Dichloroethene	96	7.243	7.225	(0.794)	146544	50.0000	47.4	
M	30 1,2-Dichloroethylene (total)	96				282355	50.0000	(a)	
	31 Methyl Methacrylate	41	10.720	10.726	(1.089)	136546	50.0000	46.7	
	32 2,2-Dichloropropane	77	7.463	7.458	(0.818)	229044	50.0000	54.9	
	33 Bromochloromethane	128	7.673	7.667	(0.841)	72385	50.0000	49.6	
	34 Chloroform	83	7.882	7.876	(0.864)	269545	50.0000	53.3	
	35 Carbon Tetrachloride	117	8.103	8.086	(0.823)	189347	50.0000	56.1	
	36 Tetrahydrofuran	42	8.196	8.189	(0.898)	162042	250.000	197	
$	37 Dibromofluoromethane	113	8.254	8.249	(0.904)	158856	50.0000	49.3	
	38 1,1,1-Trichloroethane	97	8.243	8.237	(0.903)	217106	50.0000	54.1	
	39 1,1-Dichloropropene	75	8.487	8.481	(0.862)	194886	50.0000	49.4	
	40 2-Butanone	43	8.533	8.528	(0.935)	291001	250.000	192	
	41 Benzene	78	8.917	8.900	(0.906)	488263	50.0000	43.4	
*	42 Pentafluorobenzene	168	9.127	9.132	(1.000)	310366	50.0000		
	43 Cyclohexane	56	7.638	7.621	(0.837)	192989	50.0000	50.1	
	44 Ethyl Methacrylate	69	12.174	12.168	(1.236)	162577	50.0000	46.8	
$	45 1,2-Dichloroethane-D4	65	9.138	9.132	(1.001)	179553	50.0000	48.6	
	46 Tertiary-amyl methyl ether	73	9.161	9.167	(1.004)	403345	50.0000	49.2	
	47 1,2-Dichloroethane	62	9.243	9.237	(0.939)	228911	50.0000	51.9	
	48 Trichloroethene	95	9.778	9.772	(0.993)	152212	50.0000	51.5	
*	49 1,4-Difluorobenzene	114	9.848	9.842	(1.000)	471386	50.0000		
	50 Dibromomethane	93	10.290	10.295	(1.045)	102658	50.0000	49.6	
	51 1,2-Dichloropropane	63	10.417	10.412	(1.058)	141298	50.0000	50.0	
	52 Bromodichloromethane	83	10.510	10.505	(1.067)	218458	50.0000	51.9	
	53 cis-1,3-dichloropropene	75	11.197	11.203	(1.137)	245896	50.0000	50.3	
	54 1,4-Dioxane	88	10.755	10.761	(1.092)	6147	1000.00	208	
$	55 Toluene-D8	98	11.394	11.400	(1.157)	471026	50.0000	49.6	
	56 2-Chloroethylvinylether	63	11.162	11.156	(1.133)	50511	50.0000	39.1	
	57 Toluene	92	11.452	11.458	(1.163)	330142	50.0000	47.7	
	58 4-methyl-2-pentanone	43	11.918	11.924	(1.210)	657712	250.000	213	
	59 Tetrachloroethene	164	11.894	11.889	(0.895)	112611	50.0000	44.6	
	60 trans-1,3-Dichloropropene	75	11.953	11.958	(1.214)	204758	50.0000	49.0	
	61 1,1,2-Trichloroethane	83	12.150	12.145	(1.234)	103030	50.0000	47.7	
	62 Dibromochloromethane	129	12.360	12.366	(0.930)	169465	50.0000	51.2	
	63 1,3-Dichloropropane	76	12.476	12.482	(0.939)	207550	50.0000	46.6	
	64 1,2-Dibromoethane	107	12.639	12.645	(1.283)	143451	50.0000	47.4	
	65 2-Hexanone	43	12.953	12.947	(0.975)	470055	250.000	208	
*	66 Chlorobenzene-D5	117	13.290	13.284	(1.000)	391075	50.0000		
	67 Chlorobenzene	112	13.313	13.308	(1.002)	364248	50.0000	49.1	
	152 1-Chlorohexane	91	13.290	13.296	(1.456)	187364	50.0000	46.5	
	68 Ethylbenzene	106	13.348	13.354	(1.004)	189925	50.0000	50.2	
	69 1,1,1,2-Tetrachloroethane	131	13.395	13.401	(1.008)	143627	50.0000	52.9	
M	70 Xylenes (total)	106				707522	150.000	(a)	
	71 m+p-Xylenes	106	13.546	13.540	(1.019)	469067	100.000	100	
	72 o-Xylene	106	14.092	14.087	(1.060)	238455	50.0000	49.7	
	73 Styrene	104	14.162	14.168	(1.066)	406611	50.0000	50.3	
	74 Bromoform	173	14.197	14.191	(1.068)	113516	50.0000	50.2	
	75 Isopropylbenzene	105	14.511	14.505	(0.883)	517636	50.0000	50.1	
$	76 P-Bromofluorobenzene	95	14.883	14.878	(1.511)	222785	50.0000	54.3	
	77 cis-1,4-Dichloro-2-Butene	53	14.988	14.982	(0.912)	53354	50.0000	56.4	

Data File: \\target_server\GG\chem\gcms-s.i\S061808.b\S1415.D
Report Date: 25-Jun-2008 15:52

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)	REVIEW CODE
78 trans-1,4-Dichloro-2-Butene	53	15.407	15.413	(0.938)	51297	50.0000	51.9	
79 Bromobenzene	156	15.023	15.017	(0.914)	166853	50.0000	50.0	
80 N-Propylbenzene	91	15.069	15.064	(0.917)	743222	50.0000	51.8	
81 1,1,2,2-Tetrachloroethane	83	15.174	15.168	(0.924)	151501	50.0000	45.5	
82 1,3,5-Trimethylbenzene	105	15.337	15.331	(0.933)	465711	50.0000	49.2	
83 2-Chlorotoluene	91	15.279	15.273	(0.930)	464837	50.0000	51.6	
84 1,2,3-Trichloropropane	75	15.348	15.343	(0.934)	117346	50.0000	43.9	
85 4-Chlorotoluene	91	15.500	15.506	(0.943)	462168	50.0000	50.4	
86 tert-Butylbenzene	119	15.779	15.773	(0.960)	490420	50.0000	51.4	
87 Pentachloroethane	117	15.802	15.796	(0.962)	129870	50.0000	55.7	
88 1,2,4-Trimethylbenzene	105	15.872	15.866	(0.966)	524672	50.0000	50.5	
89 P-Isopropyltoluene	119	16.232	16.227	(0.988)	479627	50.0000	49.5	
90 1,3-Dichlorobenzene	146	16.325	16.320	(0.994)	304302	50.0000	50.5	
* 91 1,4-Dichlorobenzene-D4	152	16.430	16.424	(1.000)	206672	50.0000		
92 1,4-Dichlorobenzene	146	16.453	16.448	(1.001)	293247	50.0000	47.8	
93 N-Butylbenzene	91	16.837	16.831	(1.025)	459763	50.0000	49.6	
94 sec-Butylbenzene	105	16.023	16.017	(0.975)	633469	50.0000	51.5	
95 1,2-Dichlorobenzene	146	17.046	17.052	(1.038)	268114	50.0000	46.6	
96 1,2-Dibromo-3-Chloropropane	75	18.233	18.227	(1.110)	30633	50.0000	48.7	
97 1,3,5-Trichlorobenzene	180	18.279	18.273	(1.113)	214027	50.0000	50.9	
98 Hexachlorobutadiene	225	19.221	19.215	(1.170)	87413	50.0000	52.2	
99 1,2,4-Trichlorobenzene	180	19.256	19.250	(1.172)	192678	50.0000	46.7	
100 1,2,3-Trimethylbenzene	105	16.488	16.482	(1.004)	493260	50.0000	49.0	
101 Naphthalene	128	19.745	19.750	(1.202)	351083	50.0000	41.4	
102 1,2,3-Trichlorobenzene	180	20.035	20.030	(1.219)	178388	50.0000	46.6	
103 Methyl Acetate	43	4.963	4.969	(0.544)	112261	50.0000	47.2	
104 Methylcyclohexane	83	9.743	9.737	(1.068)	196211	50.0000	51.1	
M 153 Total Alkylbenzenes	100				3796884	50.0000	(a)	

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
M - Compound response manually integrated.

Data File: \\target_server\GG\chem\gcms-s.i\S061808.b\S1415.D
Report Date: 25-Jun-2008 15:52

Katahdin Analytical Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcms-s.i
Lab File ID: S1415.D
Lab Smp Id: VSTD050S18A
Analysis Type: VOA
Quant Type: ISTD
Operator: SKT
Method File: \\Target_server\GG\chem\gcms-s.i\S061808.b\s826a58.m
Misc Info: SW846 8260B

Calibration Date: 18-JUN-2008
Calibration Time: 09:16

Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 4

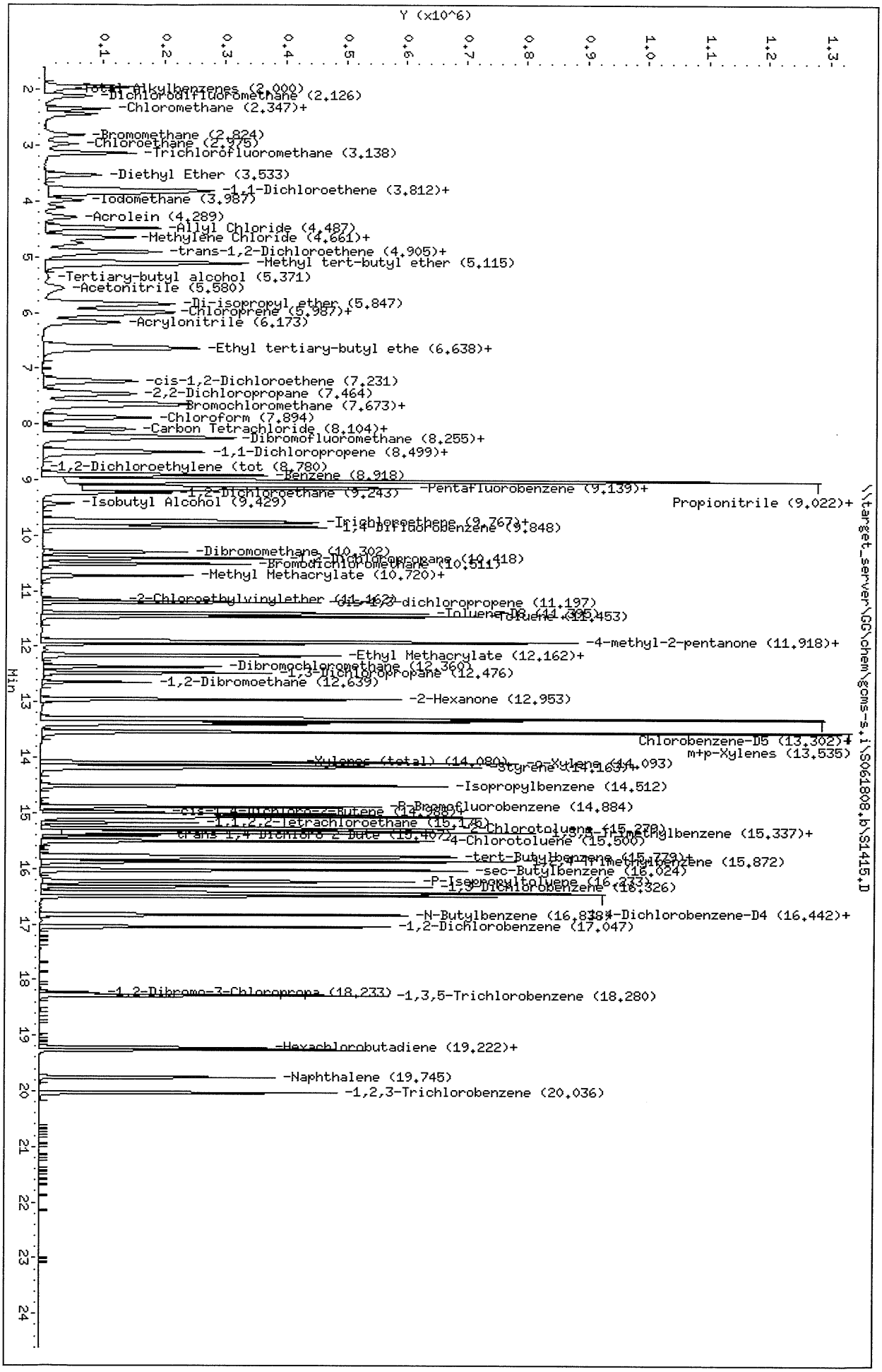
COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	390919	195460	781838	310366	-20.61
49 1,4-Difluorobenze	592560	296280	1185120	471386	-20.45
66 Chlorobenzene-D5	505984	252992	1011968	391075	-22.71
91 1,4-Dichlorobenze	260532	130266	521064	206672	-20.67

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	9.13	8.63	9.63	9.13	-0.06
49 1,4-Difluorobenze	9.84	9.34	10.34	9.85	0.06
66 Chlorobenzene-D5	13.28	12.78	13.78	13.29	0.05
91 1,4-Dichlorobenze	16.42	15.92	16.92	16.43	0.04

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.

Data File: \\target_server\GC\chem\gcms-s.i\S061808.b\S1415.D
Date : 18-JUN-2008 09:16
Client ID:
Sample Info: VSTD050S18A
Purge Volume: 5.0
Column phase: RTX-VMS

Instrument: gcms-s.i
Operator: SKT
Column diameter: 0.18



FORM 7B
VOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 426 NLON SDG No.: CTO426-3

Instrument ID: GCMS-S Calibration Date: 06/19/08 Time: 0851

Lab File ID: S1440 Init. Calib. Date(s): 06/16/08 06/16/08

Init. Calib. Times: 0936 1332

GC Column: RTX-VMS ID: 0.18 (mm)

COMPOUND	RRF OR AMOUNT	RRF50.000 OR AMOUNT	MIN RRF	%D OR %DRIFT	MAX %D OR %DRIFT	CURV TYPE	
Methyl tert-butyl ether	1.1620000	1.1954000	0.01	2.87		AVRG	
Benzene	1.1920000	1.2006000	0.01	0.72		AVRG	
Toluene	0.7340000	0.7156600	0.01	-2.50	20.00	AVRG	
Ethylbenzene	0.4830000	0.4575800	0.01	-5.26	20.00	AVRG	
Xylenes (total)	0.0000000	0.6105400	0.01	0.00		AVRG	<-
m+p-Xylenes	0.5980000	0.6104600	0.01	2.08		AVRG	
o-Xylene	0.6130000	0.6106900	0.01	-0.38		AVRG	
Isopropylbenzene	2.4980000	2.5088000	0.01	0.43		AVRG	
Naphthalene	2.0510000	1.8301000	0.01	-10.77		AVRG	
Dibromofluoromethane	0.5190000	0.5195500	0.01	0.10		AVRG	
1,2-Dichloroethane-D4	0.5950000	0.5483000	0.01	-7.85		AVRG	
Toluene-D8	1.0070000	1.0270000	0.01	1.99		AVRG	
P-Bromofluorobenzene	0.4360000	0.4742400	0.01	8.77		AVRG	

Data File: \\target_server\GG\chem\gcms-s.i\S061908.b\S1440.D
Report Date: 25-Jun-2008 15:52

Katahdin Analytical Services

Data file : \\target_server\GG\chem\gcms-s.i\S061908.b\S1440.D
Lab Smp Id: VSTD050S19A
Inj Date : 19-JUN-2008 08:51 MS Autotune Date: 21-NOV-2007 15:16
Operator : SKT Inst ID: gcms-s.i
Smp Info : VSTD050S19A
Misc Info : SW846 8260B
Comment :
Method : \\TARGET_SERVER\GG\chem\gcms-s.i\S061908.b\s826a58.m
Meth Date : 19-Jun-2008 09:58 gcms-s.i Quant Type: ISTD
Cal Date : 16-JUN-2008 13:32 Cal File: S1375.D
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.12

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	sample purged
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)	REVIEW CODE
1 Dichlorodifluoromethane	85	2.114	2.120	(0.232)	170058	50.0000	49.6	
2 Chloromethane	50	2.335	2.341	(0.256)	215240	50.0000	49.6	
3 Vinyl chloride	62	2.428	2.434	(0.266)	191642	50.0000	51.7	
4 Bromomethane	94	2.811	2.817	(0.308)	84125	50.0000	52.7	
5 Chloroethane	64	2.974	2.969	(0.326)	97843	50.0000	51.8	
6 Trichlorofluoromethane	101	3.137	3.131	(0.344)	204032	50.0000	55.9	
7 Diethyl Ether	59	3.532	3.527	(0.387)	120862	50.0000	55.2	
8 Tertiary-butyl alcohol	59	5.382	5.376	(0.590)	59470	250.000	276	
9 1,1-Dichloroethene	96	3.788	3.783	(0.415)	120118	50.0000	51.3	
10 Carbon Disulfide	76	3.812	3.818	(0.418)	370800	50.0000	51.6	
11 Freon-113	151	3.846	3.853	(0.421)	100063	50.0000	55.6	
12 Iodomethane	142	3.986	3.980	(0.437)	145793	50.0000	61.0	
13 Acrolein	56	4.288	4.283	(0.470)	143426	250.000	287	
14 Methylene Chloride	84	4.661	4.655	(0.511)	146873	50.0000	49.1	
15 Acetone	43	4.765	4.760	(0.522)	232453	250.000	215	
16 Isobutyl Alcohol	43	9.429	9.423	(1.033)	100022	1000.00	999	
17 trans-1,2-Dichloroethene	96	4.905	4.911	(0.537)	140202	50.0000	51.2	
18 Allyl Chloride	41	4.486	4.481	(0.492)	263813	50.0000	53.3	
19 Methyl tert-butyl ether	73	5.114	5.120	(0.560)	789564	100.000	103	
20 Acetonitrile	39	5.556	5.574	(0.609)	42155	500.000	564	
21 Di-isopropyl ether	45	5.847	5.841	(0.641)	627043	50.0000	52.6	
22 Chloroprene	53	5.986	5.981	(0.656)	280159	50.0000	53.9	
23 Propionitrile	54	8.998	9.005	(0.986)	221153	500.000	560	
24 Methacrylonitrile	41	9.022	9.028	(0.989)	1227279	500.000	550	

Data File: \\target_server\GG\chem\gcms-s.i\S061908.b\S1440.D
Report Date: 25-Jun-2008 15:52

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)	REVIEW COD
	25 1,1-Dichloroethane	63	6.033	6.027	(0.661)	287277	50.0000	51.0	
	26 Acrylonitrile	52	6.172	6.167	(0.676)	253783	250.000	258	
	27 Ethyl tertiary-butyl ether	59	6.614	6.620	(0.725)	577821	50.0000	53.9	
	28 Vinyl Acetate	43	6.638	6.644	(0.675)	432903	50.0000	53.7	
	29 cis-1,2-Dichloroethene	96	7.231	7.225	(0.792)	169094	50.0000	51.4	
M	30 1,2-Dichloroethylene (total)	96				309296	50.0000	(a)	
	31 Methyl Methacrylate	41	10.720	10.726	(1.090)	164025	50.0000	53.1	
	32 2,2-Dichloropropane	77	7.452	7.458	(0.817)	241893	50.0000	54.5	
	33 Bromochloromethane	128	7.661	7.667	(0.839)	79891	50.0000	51.5	
	34 Chloroform	83	7.882	7.876	(0.864)	278331	50.0000	51.7	
	35 Carbon Tetrachloride	117	8.091	8.086	(0.823)	192280	50.0000	53.9	
	36 Tetrahydrofuran	42	8.196	8.189	(0.898)	214443	250.000	245	
$	37 Dibromofluoromethane	113	8.254	8.249	(0.904)	171574	50.0000	50.1	
	38 1,1,1-Trichloroethane	97	8.242	8.237	(0.903)	228877	50.0000	53.6	
	39 1,1-Dichloropropene	75	8.487	8.481	(0.863)	214890	50.0000	51.5	
	40 2-Butanone	43	8.522	8.528	(0.934)	382608	250.000	237	
	41 Benzene	78	8.905	8.900	(0.905)	598048	50.0000	50.4	
*	42 Pentafluorobenzene	168	9.126	9.132	(1.000)	330238	50.0000		
	43 Cyclohexane	56	7.626	7.621	(0.836)	216052	50.0000	52.8	
	44 Ethyl Methacrylate	69	12.162	12.168	(1.236)	190085	50.0000	51.7	
$	45 1,2-Dichloroethane-D4	65	9.138	9.132	(1.001)	181071	50.0000	46.0	
	46 Tertiary-amyl methyl ether	73	9.161	9.167	(1.004)	443399	50.0000	50.8	
	47 1,2-Dichloroethane	62	9.231	9.237	(0.939)	233019	50.0000	50.0	
	48 Trichloroethene	95	9.766	9.772	(0.993)	157597	50.0000	50.5	
*	49 1,4-Difluorobenzene	114	9.836	9.842	(1.000)	498117	50.0000		
	50 Dibromomethane	93	10.289	10.295	(1.046)	113724	50.0000	52.0	
	51 1,2-Dichloropropane	63	10.406	10.412	(1.058)	157405	50.0000	52.7	
	52 Bromodichloromethane	83	10.510	10.505	(1.069)	234634	50.0000	52.8	
	53 cis-1,3-dichloropropene	75	11.196	11.203	(1.138)	259432	50.0000	50.2	
	54 1,4-Dioxane	88	10.755	10.761	(1.093)	15533	1000.00	496	
$	55 Toluene-D8	98	11.394	11.400	(1.158)	511546	50.0000	51.0	
	56 2-Chloroethylvinylether	63	11.150	11.156	(1.134)	61960	50.0000	45.4	
	57 Toluene	92	11.452	11.458	(1.164)	356485	50.0000	48.7	
	58 4-methyl-2-pentanone	43	11.917	11.924	(1.212)	841095	250.000	258	
	59 Tetrachloroethene	164	11.894	11.889	(0.895)	127658	50.0000	48.7	
	60 trans-1,3-Dichloropropene	75	11.952	11.958	(1.215)	227307	50.0000	51.4	
	61 1,1,2-Trichloroethane	83	12.150	12.145	(1.235)	116314	50.0000	51.0	
	62 Dibromochloromethane	129	12.359	12.366	(0.930)	181098	50.0000	52.6	
	63 1,3-Dichloropropane	76	12.476	12.482	(0.939)	231809	50.0000	50.2	
	64 1,2-Dibromoethane	107	12.639	12.645	(1.285)	162622	50.0000	50.9	
	65 2-Hexanone	43	12.953	12.947	(0.975)	587345	250.000	251	
*	66 Chlorobenzene-D5	117	13.290	13.284	(1.000)	406163	50.0000		
	67 Chlorobenzene	112	13.313	13.308	(1.002)	370081	50.0000	48.0	
	152 1-Chlorohexane	91	13.290	13.296	(1.456)	200835	50.0000	46.8	
	68 Ethylbenzene	106	13.348	13.354	(1.004)	185854	50.0000	47.3	
	69 1,1,1,2-Tetrachloroethane	131	13.394	13.401	(1.008)	147153	50.0000	52.2	
M	70 Xylenes (total)	106				743933	150.000	(a)	
	71 m+p-Xylenes	106	13.534	13.540	(1.018)	495892	100.000	102	
	72 o-Xylene	106	14.092	14.087	(1.060)	248041	50.0000	49.8	
	73 Styrene	104	14.162	14.168	(1.066)	428897	50.0000	51.1	
	74 Bromoform	173	14.197	14.191	(1.068)	123976	50.0000	52.7	
	75 Isopropylbenzene	105	14.499	14.505	(0.883)	559935	50.0000	50.2	
$	76 P-Bromofluorobenzene	95	14.883	14.878	(1.513)	236228	50.0000	54.4	
	77 cis-1,4-Dichloro-2-Butene	53	14.976	14.982	(0.912)	55238	50.0000	54.1	

Data File: \\target_server\GG\chem\gcms-s.i\S061908.b\S1440.D
Report Date: 25-Jun-2008 15:52

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)	REVIEW CODE
78 trans-1,4-Dichloro-2-Butene	53	15.406	15.413	(0.938)	52634	50.0000	49.3	
79 Bromobenzene	156	15.023	15.017	(0.914)	182609	50.0000	50.7	
80 N-Propylbenzene	91	15.058	15.064	(0.916)	807329	50.0000	52.1	
81 1,1,2,2-Tetrachloroethane	83	15.174	15.168	(0.924)	183974	50.0000	51.2	
82 1,3,5-Trimethylbenzene	105	15.337	15.331	(0.933)	521826	50.0000	51.0	
83 2-Chlorotoluene	91	15.267	15.273	(0.929)	470842	50.0000	48.4	
84 1,2,3-Trichloropropane	75	15.348	15.343	(0.934)	138657	50.0000	48.0	
85 4-Chlorotoluene	91	15.499	15.506	(0.943)	460093	50.0000	46.4	
86 tert-Butylbenzene	119	15.767	15.773	(0.960)	520546	50.0000	50.5	
87 Pentachloroethane	117	15.802	15.796	(0.962)	133639	50.0000	53.2	
88 1,2,4-Trimethylbenzene	105	15.872	15.866	(0.966)	547985	50.0000	48.8	
89 P-Isopropyltoluene	119	16.221	16.227	(0.987)	521533	50.0000	49.8	
90 1,3-Dichlorobenzene	146	16.314	16.320	(0.993)	311038	50.0000	47.8	
* 91 1,4-Dichlorobenzene-D4	152	16.430	16.424	(1.000)	223189	50.0000		
92 1,4-Dichlorobenzene	146	16.441	16.448	(1.001)	314842	50.0000	47.6	
93 N-Butylbenzene	91	16.825	16.831	(1.024)	548777	50.0000	54.8	
94 sec-Butylbenzene	105	16.011	16.017	(0.975)	643874	50.0000	48.5	
95 1,2-Dichlorobenzene	146	17.046	17.052	(1.038)	306286	50.0000	49.3	
96 1,2-Dibromo-3-Chloropropane	75	18.221	18.227	(1.109)	34096	50.0000	50.2	
97 1,3,5-Trichlorobenzene	180	18.279	18.273	(1.113)	240438	50.0000	52.9	
98 Hexachlorobutadiene	225	19.209	19.215	(1.169)	89541	50.0000	49.6	
99 1,2,4-Trichlorobenzene	180	19.256	19.250	(1.172)	215557	50.0000	48.3	
100 1,2,3-Trimethylbenzene	105	16.476	16.482	(1.003)	554059	50.0000	51.0	
101 Naphthalene	128	19.744	19.750	(1.202)	408456	50.0000	44.6	
102 1,2,3-Trichlorobenzene	180	20.023	20.030	(1.219)	198590	50.0000	48.0	
103 Methyl Acetate	43	4.963	4.969	(0.544)	126656	50.0000	50.0	
104 Methylcyclohexane	83	9.731	9.737	(1.066)	224180	50.0000	54.9	
M 153 Total Alkylbenzenes	100				4111870	50.0000	(a)	

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: \\target_server\GG\chem\gcms-s.i\S061908.b\S1440.D
Report Date: 25-Jun-2008 15:52

Katahdin Analytical Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcms-s.i
Lab File ID: S1440.D
Lab Smp Id: VSTD050S19A
Analysis Type: VOA
Quant Type: ISTD
Operator: SKT
Method File: \\TARGET_SERVER\GG\chem\gcms-s.i\S061908.b\s826a58.m
Misc Info: SW846 8260B

Calibration Date: 19-JUN-2008
Calibration Time: 09:32

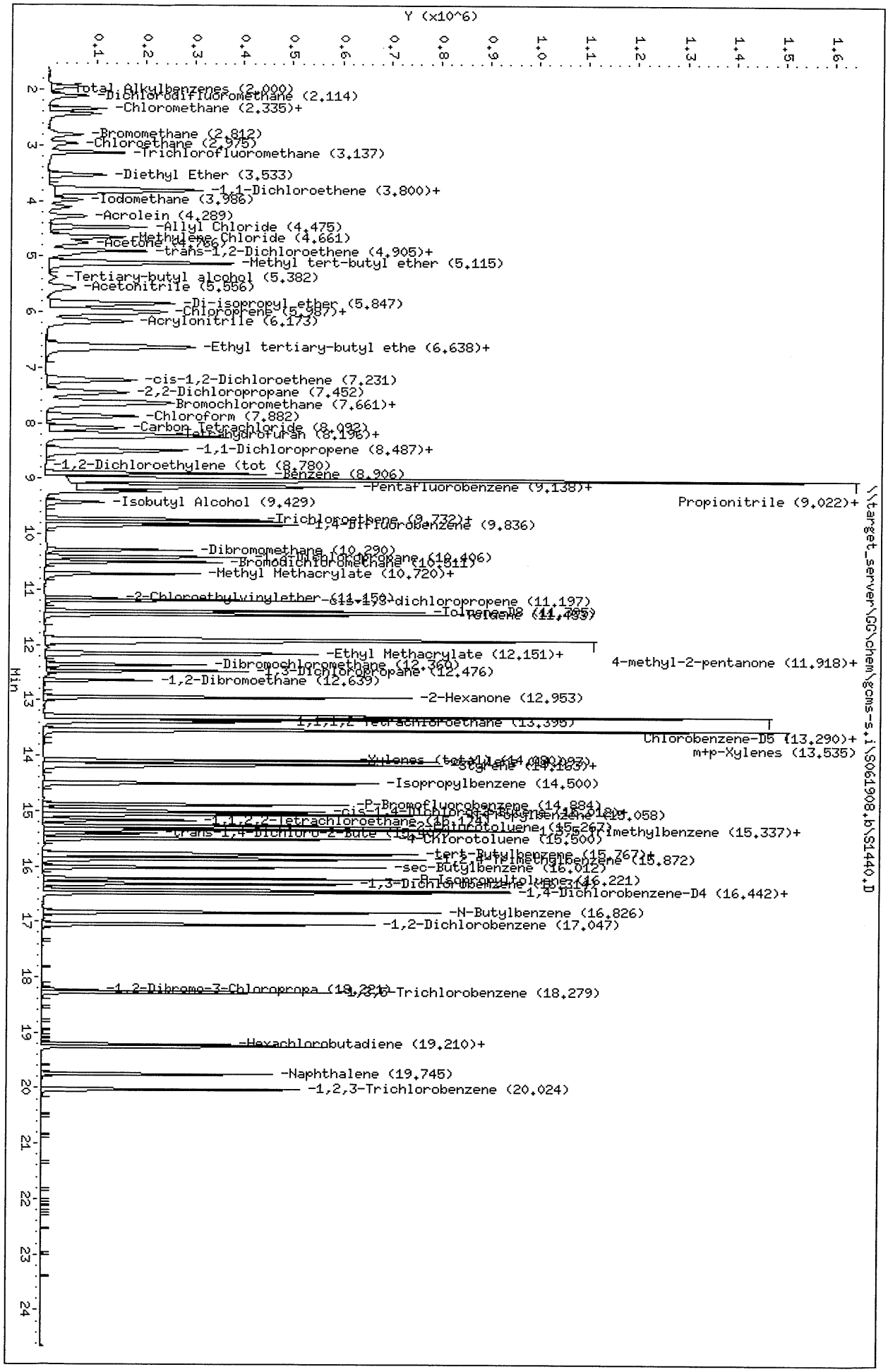
Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 4

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	390919	195460	781838	330238	-15.52
49 1,4-Difluorobenze	592560	296280	1185120	498117	-15.94
66 Chlorobenzene-D5	505984	252992	1011968	406163	-19.73
91 1,4-Dichlorobenze	260532	130266	521064	223189	-14.33

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	9.13	8.63	9.63	9.13	-0.06
49 1,4-Difluorobenze	9.84	9.34	10.34	9.84	-0.06
66 Chlorobenzene-D5	13.28	12.78	13.78	13.29	0.05
91 1,4-Dichlorobenze	16.42	15.92	16.92	16.43	0.04

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.


Data File: \\target_server\GC\chem\gcms-s.i\S061908.b\S1440.D
Date : 19-JUN-2008 08:51
Client ID:
Sample Info: VSTD050S19A
Purge Volume: 5.0
Column phase: RTX-VMS
Instrument: gcms-s.i
Operator: SKT
Column diameter: 0.18
Y (x10^6)
Min
Total Alkylbenzenes (2.000)
Dichlorodifluoromethane (2.114)
Chloromethane (2.335)+
Bromomethane (2.812)
Chloroethane (2.975)
Trichlorofluoromethane (3.137)
Diethyl Ether (3.533)
1,1-Dichloroethene (3.800)+
Iodomethane (3.986)
Acrolein (4.289)
Allyl Chloride (4.475)
Methylene Chloride (4.661)
Acetone (4.766)
trans-1,2-Dichloroethene (4.905)+
Methyl tert-butyl ether (5.115)
Tertiary-butyl alcohol (5.382)
Acetonitrile (5.556)
Di-isopropyl ether (5.847)
Chloroprene (5.987)+
Acrylonitrile (6.173)
Ethyl tertiary-butyl ethe (6.638)+
cis-1,2-Dichloroethene (7.231)
2,2-Dichloropropane (7.452)
Bromochloromethane (7.661)+
Chloroform (7.882)
Carbon Tetrachloride (8.092)
Tetrahydrofuran (8.196)+
1,1-Dichloropropene (8.487)+
1,2-Dichloroethylene (tot (8.780)
Benzene (8.906)
Pentafluorobenzene (9.138)+
Isobutyl Alcohol (9.429)
Propionitrile (9.022)+
Trichloroethene (9.732)+
1,4-Difluorobenzene (9.836)
Dibromomethane (10.290)
1,1,1-Trichloroethane (10.406)
Bromodichloromethane (10.511)
Methyl Methacrylate (10.720)+
2-Chloroethylvinylether (11.150)
1,3-dichloropropene (11.197)
Toluene-D8 (11.395)
Toluene (11.493)
Ethyl Methacrylate (12.151)+
4-methyl-2-pentanone (11.918)+
Dibromochloromethane (12.360)
1,3-Dichloropropane (12.476)
1,2-Dibromoethane (12.639)
2-Hexanone (12.953)
1,1,1,2-Tetrachloroethane (13.395)
Chlorobenzene-D5 (13.290)+
m+p-Xylenes (13.535)
Xylenes (total) (14.090)
Styrene (14.163)+
Isopropylbenzene (14.500)
P-Bromofluorobenzene (14.884)
cis-1,4-Dichloro-2-butene (15.058)
1,1,2,2-Tetrachloroethane (15.147)
2-Chlorotoluene (15.267)
trans-1,4-Dichloro-2-bute (15.300)
4-Chlorotoluene (15.500)
1,2,4-Trimethylbenzene (15.337)+
tert-Butylbenzene (15.767)+
sec-Butylbenzene (16.012)
p-Isopropyltoluene (16.221)
1,3-Dichlorobenzene (16.314)
1,4-Dichlorobenzene-D4 (16.442)+
N-Butylbenzene (16.826)
1,2-Dichlorobenzene (17.047)
1,2-Dibromo-3-Chloropropa (19.221)
1,2,4-Trichlorobenzene (18.279)
Hexachlorobutadiene (19.210)+
Naphthalene (19.745)
1,2,3-Trichlorobenzene (20.024)
\\target_server\GC\chem\gcms-s.i\S061908.b\S1440.D

FORM 7B
VOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 426 NLON SDG No.: CTO426-3

Instrument ID: GCMS-S Calibration Date: 06/20/08 Time: 0752

Lab File ID: S1465 Init. Calib. Date(s): 06/16/08 06/16/08

Init. Calib. Times: 0936 1332

GC Column: RTX-VMS ID: 0.18 (mm)

COMPOUND	RRF OR AMOUNT	RRF50.000 OR AMOUNT	MIN RRF	%D OR %DRIFT	MAX %D OR %DRIFT	CURV TYPE	
Methyl tert-butyl ether	1.1620000	1.2648000	0.01	8.85		AVRG	
Benzene	1.1920000	1.0728000	0.01	-10.00		AVRG	
Toluene	0.7340000	0.6814700	0.01	-7.16	20.00	AVRG	
Ethylbenzene	0.4830000	0.4646100	0.01	-3.81	20.00	AVRG	
Xylenes (total)	0.0000000	0.5873500	0.01	0.00		AVRG	<-
m+p-Xylenes	0.5980000	0.5901500	0.01	-1.31		AVRG	
o-Xylene	0.6130000	0.5817500	0.01	-5.10		AVRG	
Isopropylbenzene	2.4980000	2.5929000	0.01	3.80		AVRG	
Naphthalene	2.0510000	1.7682000	0.01	-13.79		AVRG	
Dibromofluoromethane	0.5190000	0.5129500	0.01	-1.16		AVRG	
1,2-Dichloroethane-D4	0.5950000	0.5986600	0.01	0.62		AVRG	
Toluene-D8	1.0070000	0.9898200	0.01	-1.71		AVRG	
P-Bromofluorobenzene	0.4360000	0.4673300	0.01	7.18		AVRG	

FORM VII VOA

Data File: \\target_server\GG\chem\gcms-s.i\S062008.b\S1465.D
Report Date: 25-Jun-2008 15:52

Katahdin Analytical Services

Data file : \\target_server\GG\chem\gcms-s.i\S062008.b\S1465.D
Lab Smp Id: VSTD050S20A
Inj Date : 20-JUN-2008 07:52 MS Autotune Date: 21-NOV-2007 15:16
Operator : SKT Inst ID: gcms-s.i
Smp Info : VSTD050S20A
Misc Info : SW846 8260B
Comment :
Method : \\Target_server\GG\chem\gcms-s.i\S062008.b\s826a58.m
Meth Date : 20-Jun-2008 08:05 tcote Quant Type: ISTD
Cal Date : 16-JUN-2008 13:32 Cal File: S1375.D
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.12
Processing Host: TARGET06

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	sample purged
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)	REVIEW CODE
1 Dichlorodifluoromethane	85	2.117	2.120	(0.232)	154574	50.0000	44.4	
2 Chloromethane	50	2.338	2.341	(0.256)	190836	50.0000	43.4	
3 Vinyl chloride	62	2.431	2.434	(0.267)	182217	50.0000	48.5	
4 Bromomethane	94	2.804	2.817	(0.307)	89761	50.0000	55.5	
5 Chloroethane	64	2.966	2.969	(0.325)	93471	50.0000	48.9	
6 Trichlorofluoromethane	101	3.129	3.131	(0.343)	197330	50.0000	53.4	
7 Diethyl Ether	59	3.525	3.527	(0.387)	123233	50.0000	55.6	
8 Tertiary-butyl alcohol	59	5.350	5.376	(0.587)	60453	250.000	277	
9 1,1-Dichloroethene	96	3.780	3.783	(0.415)	112327	50.0000	47.3	
10 Carbon Disulfide	76	3.815	3.818	(0.418)	355530	50.0000	48.8	
11 Freon-113	151	3.839	3.853	(0.421)	108973	50.0000	59.7	
12 Iodomethane	142	3.978	3.980	(0.436)	141074	50.0000	58.3	
13 Acrolein	56	4.269	4.283	(0.468)	145276	250.000	287	
14 Methylene Chloride	84	4.641	4.655	(0.509)	145893	50.0000	48.1	
15 Acetone	43	4.746	4.760	(0.520)	236274	250.000	216	
16 Isobutyl Alcohol	43	9.421	9.423	(1.033)	114633	1000.00	1130	
17 trans-1,2-Dichloroethene	96	4.897	4.911	(0.537)	133507	50.0000	48.1	
18 Allyl Chloride	41	4.467	4.481	(0.490)	283129	50.0000	56.5	
19 Methyl tert-butyl ether	73	5.106	5.120	(0.560)	846821	100.000	109	
20 Acetonitrile	39	5.571	5.574	(0.611)	43410	500.000	574	
21 Di-isopropyl ether	45	5.827	5.841	(0.639)	640309	50.0000	53.0	
22 Chloroprene	53	5.967	5.981	(0.654)	296496	50.0000	56.3	
23 Propionitrile	54	8.991	9.005	(0.986)	230006	500.000	574	

Data File: \\target_server\GG\chem\gcms-s.i\S062008.b\S1465.D
Report Date: 25-Jun-2008 15:52

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)	REVIEW CODE
	24 Methacrylonitrile	41	9.014	9.028	(0.989)	1274488	500.000	563	
	25 1,1-Dichloroethane	63	6.025	6.027	(0.661)	259472	50.0000	45.5	
	26 Acrylonitrile	52	6.153	6.167	(0.675)	263347	250.000	264	
	27 Ethyl tertiary-butyl ether	59	6.606	6.620	(0.725)	606804	50.0000	55.8	
	28 Vinyl Acetate	43	6.630	6.644	(0.674)	419361	50.0000	51.0	
	29 cis-1,2-Dichloroethene	96	7.211	7.225	(0.791)	154360	50.0000	46.2	
M	30 1,2-Dichloroethylene (total)	96				287867	50.0000	94.4	
	31 Methyl Methacrylate	41	10.712	10.726	(1.089)	182228	50.0000	57.8	
	32 2,2-Dichloropropane	77	7.444	7.458	(0.816)	235093	50.0000	52.3	
	33 Bromochloromethane	128	7.653	7.667	(0.839)	75201	50.0000	47.8	
	34 Chloroform	83	7.874	7.876	(0.864)	276173	50.0000	50.6	
	35 Carbon Tetrachloride	117	8.083	8.086	(0.822)	192307	50.0000	52.8	
	36 Tetrahydrofuran	42	8.188	8.189	(0.898)	221409	250.000	249	
$	37 Dibromofluoromethane	113	8.246	8.249	(0.904)	171713	50.0000	49.4	
	38 1,1,1-Trichloroethane	97	8.223	8.237	(0.902)	220175	50.0000	50.9	
	39 1,1-Dichloropropene	75	8.479	8.481	(0.862)	212996	50.0000	50.1	
	40 2-Butanone	43	8.514	8.528	(0.934)	398484	250.000	243	
	41 Benzene	78	8.898	8.900	(0.904)	545158	50.0000	45.0	
*	42 Pentafluorobenzene	168	9.119	9.132	(1.000)	334758	50.0000		
	43 Cyclohexane	56	7.607	7.621	(0.834)	194449	50.0000	46.8	
	44 Ethyl Methacrylate	69	12.166	12.168	(1.236)	223442	50.0000	59.6	
$	45 1,2-Dichloroethane-D4	65	9.130	9.132	(1.001)	200407	50.0000	50.3	
	46 Tertiary-amyl methyl ether	73	9.153	9.167	(1.004)	493296	50.0000	55.8	
	47 1,2-Dichloroethane	62	9.223	9.237	(0.937)	248798	50.0000	52.4	
	48 Trichloroethene	95	9.758	9.772	(0.992)	152882	50.0000	48.0	
*	49 1,4-Difluorobenzene	114	9.840	9.842	(1.000)	508159	50.0000		
	50 Dibromomethane	93	10.281	10.295	(1.045)	113304	50.0000	50.8	
	51 1,2-Dichloropropane	63	10.409	10.412	(1.058)	155945	50.0000	51.2	
	52 Bromodichloromethane	83	10.502	10.505	(1.067)	229698	50.0000	50.7	
	53 cis-1,3-dichloropropene	75	11.189	11.203	(1.137)	264494	50.0000	50.2	
	54 1,4-Dioxane	88	10.747	10.761	(1.092)	17508	1000.00	549	
$	55 Toluene-D8	98	11.386	11.400	(1.157)	502986	50.0000	49.1	
	56 2-Chloroethylvinylether	63	11.154	11.156	(1.134)	50596	50.0000	36.3	
	57 Toluene	92	11.444	11.458	(1.163)	346296	50.0000	46.4	
	58 4-methyl-2-pentanone	43	11.910	11.924	(1.210)	836994	250.000	251	
	59 Tetrachloroethene	164	11.886	11.889	(0.895)	116401	50.0000	41.7	
	60 trans-1,3-Dichloropropene	75	11.945	11.958	(1.214)	233617	50.0000	51.8	
	61 1,1,2-Trichloroethane	83	12.142	12.145	(1.234)	116275	50.0000	49.9	
	62 Dibromochloromethane	129	12.352	12.366	(0.930)	181155	50.0000	49.4	
	63 1,3-Dichloropropane	76	12.468	12.482	(0.939)	238440	50.0000	48.4	
	64 1,2-Dibromoethane	107	12.631	12.645	(1.284)	157988	50.0000	48.4	
	65 2-Hexanone	43	12.945	12.947	(0.975)	605186	250.000	242	
*	66 Chlorobenzene-D5	117	13.282	13.284	(1.000)	432696	50.0000		
	67 Chlorobenzene	112	13.305	13.308	(1.002)	396323	50.0000	48.3	
	152 1-Chlorohexane	91	13.282	13.296	(1.457)	205296	50.0000	47.2	
	68 Ethylbenzene	106	13.340	13.354	(1.004)	201034	50.0000	48.1	
	69 1,1,1,2-Tetrachloroethane	131	13.387	13.401	(1.008)	147308	50.0000	49.1	
M	70 Xylenes (total)	106				762431	150.000	146	
	71 m+p-Xylenes	106	13.526	13.540	(1.018)	510710	100.000	98.7	
	72 o-Xylene	106	14.084	14.087	(1.060)	251721	50.0000	47.4	
	73 Styrene	104	14.154	14.168	(1.066)	437748	50.0000	49.0	
	74 Bromoform	173	14.189	14.191	(1.068)	125111	50.0000	50.0	
	75 Isopropylbenzene	105	14.503	14.505	(0.883)	598176	50.0000	51.9	
$	76 P-Bromofluorobenzene	95	14.875	14.878	(1.512)	237478	50.0000	53.7	

Data File: \\target_server\GG\chem\gcms-s.i\S062008.b\S1465.D
Report Date: 25-Jun-2008 15:52

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)	REVIEW COD
77 cis-1,4-Dichloro-2-Butene	53	14.968	14.982	(0.911)	60491	50.0000	57.3	
78 trans-1,4-Dichloro-2-Butene	53	15.399	15.413	(0.938)	67304	50.0000	61.0	
79 Bromobenzene	156	15.015	15.017	(0.914)	180334	50.0000	48.4	
80 N-Propylbenzene	91	15.061	15.064	(0.917)	809498	50.0000	50.6	
81 1,1,2,2-Tetrachloroethane	83	15.166	15.168	(0.924)	189690	50.0000	51.0	
82 1,3,5-Trimethylbenzene	105	15.329	15.331	(0.933)	551028	50.0000	52.2	
83 2-Chlorotoluene	91	15.259	15.273	(0.929)	489143	50.0000	48.7	
84 1,2,3-Trichloropropane	75	15.340	15.343	(0.934)	147960	50.0000	49.6	
85 4-Chlorotoluene	91	15.492	15.506	(0.943)	522388	50.0000	51.0	
86 tert-Butylbenzene	119	15.759	15.773	(0.960)	587961	50.0000	55.2	
87 Pentachloroethane	117	15.794	15.796	(0.962)	157516	50.0000	60.2	
88 1,2,4-Trimethylbenzene	105	15.864	15.866	(0.966)	577990	50.0000	49.8	
89 P-Isopropyltoluene	119	16.224	16.227	(0.988)	537337	50.0000	49.7	
90 1,3-Dichlorobenzene	146	16.317	16.320	(0.994)	316702	50.0000	47.1	
* 91 1,4-Dichlorobenzene-D4	152	16.422	16.424	(1.000)	230694	50.0000		
92 1,4-Dichlorobenzene	146	16.445	16.448	(1.001)	319874	50.0000	46.8	
93 N-Butylbenzene	91	16.817	16.831	(1.024)	512389	50.0000	49.5	
94 sec-Butylbenzene	105	16.015	16.017	(0.975)	704523	50.0000	51.3	
95 1,2-Dichlorobenzene	146	17.038	17.052	(1.038)	305725	50.0000	47.6	
96 1,2-Dibromo-3-Chloropropane	75	18.225	18.227	(1.110)	39164	50.0000	55.8	
97 1,3,5-Trichlorobenzene	180	18.271	18.273	(1.113)	264542	50.0000	56.4	
98 Hexachlorobutadiene	225	19.213	19.215	(1.170)	97997	50.0000	52.5	
99 1,2,4-Trichlorobenzene	180	19.248	19.250	(1.172)	225864	50.0000	49.0	
100 1,2,3-Trimethylbenzene	105	16.480	16.482	(1.004)	554859	50.0000	49.4	
101 Naphthalene	128	19.737	19.750	(1.202)	407920	50.0000	43.1	
102 1,2,3-Trichlorobenzene	180	20.027	20.030	(1.220)	203009	50.0000	47.5	
103 Methyl Acetate	43	4.955	4.969	(0.543)	143850	50.0000	56.1	
104 Methylcyclohexane	83	9.723	9.737	(1.066)	228506	50.0000	55.2	
M 153 Total Alkylbenzenes	100				4280726	50.0000	358	

Data File: \\target_server\GG\chem\gcms-s.i\S062008.b\S1465.D
Report Date: 25-Jun-2008 15:52

Katahdin Analytical Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcms-s.i
Lab File ID: S1465.D
Lab Smp Id: VSTD050S20A
Analysis Type: VOA
Quant Type: ISTD
Operator: SKT
Method File: \\Target_server\GG\chem\gcms-s.i\S062008.b\s826a58.m
Misc Info: SW846 8260B

Calibration Date: 20-JUN-2008
Calibration Time: 07:52

Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 4

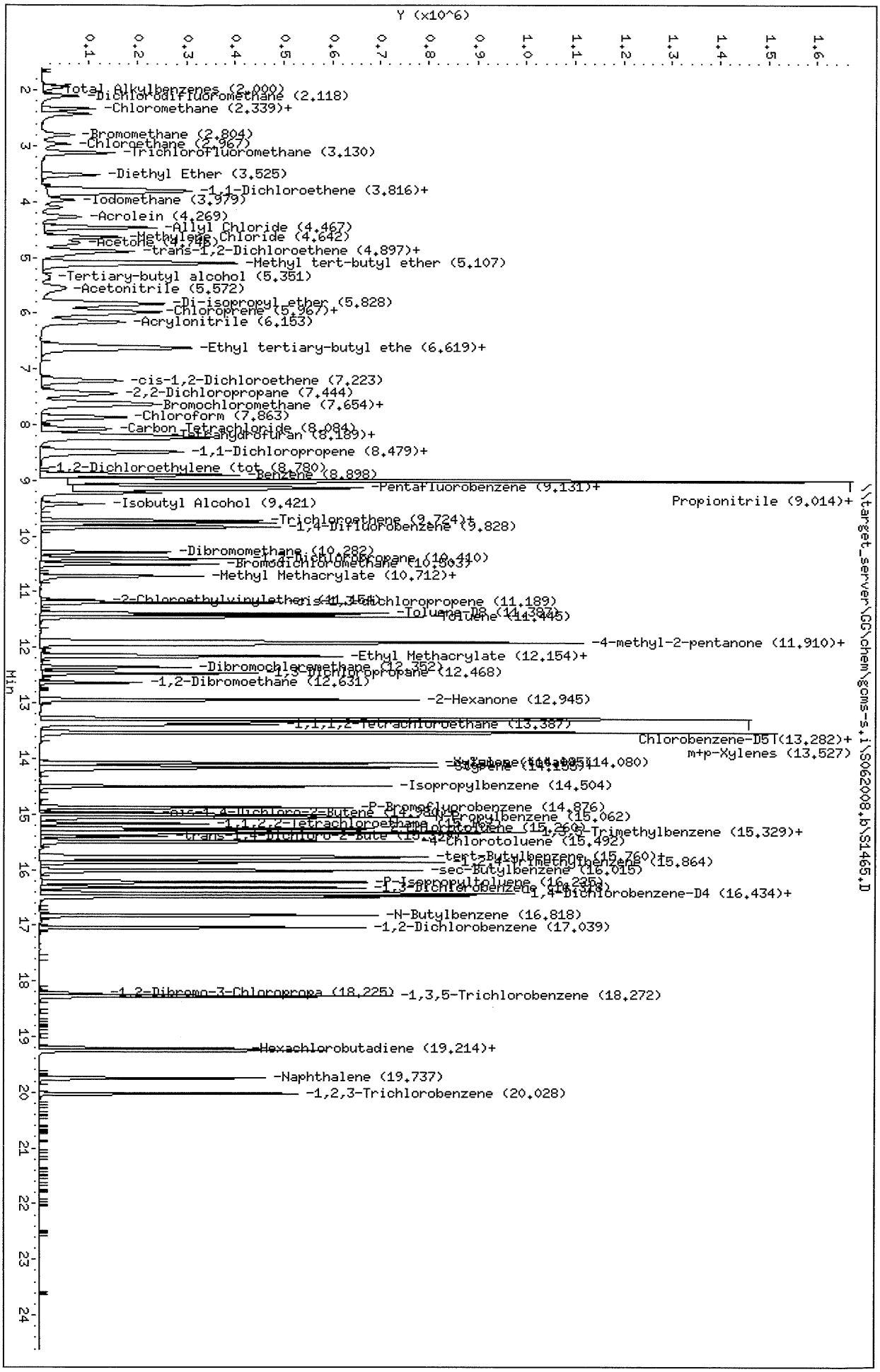
COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	390919	195460	781838	334758	-14.37
49 1,4-Difluorobenze	592560	296280	1185120	508159	-14.24
66 Chlorobenzene-D5	505984	252992	1011968	432696	-14.48
91 1,4-Dichlorobenze	260532	130266	521064	230694	-11.45

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	9.13	8.63	9.63	9.12	-0.15
49 1,4-Difluorobenze	9.84	9.34	10.34	9.84	-0.02
66 Chlorobenzene-D5	13.28	12.78	13.78	13.28	-0.01
91 1,4-Dichlorobenze	16.42	15.92	16.92	16.42	-0.01

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.

Data File: \\target_server\GC\chem\gcms-s.i\S062008.b\S1465.D
Date : 20-JUN-2008 07:52
Client ID:
Sample Info: VSTD050S20A
Purge Volume: 5.0
Column phase: RTX-VMS

Instrument: gcms-s.i
Operator: SKT
Column diameter: 0.18



Data File: \\Target_server\GC\chem\gcms-f.i\F061308.b\FB955.D

Date : 13-JUN-2008 14:12

Client ID:

Instrument: gcms-f.i

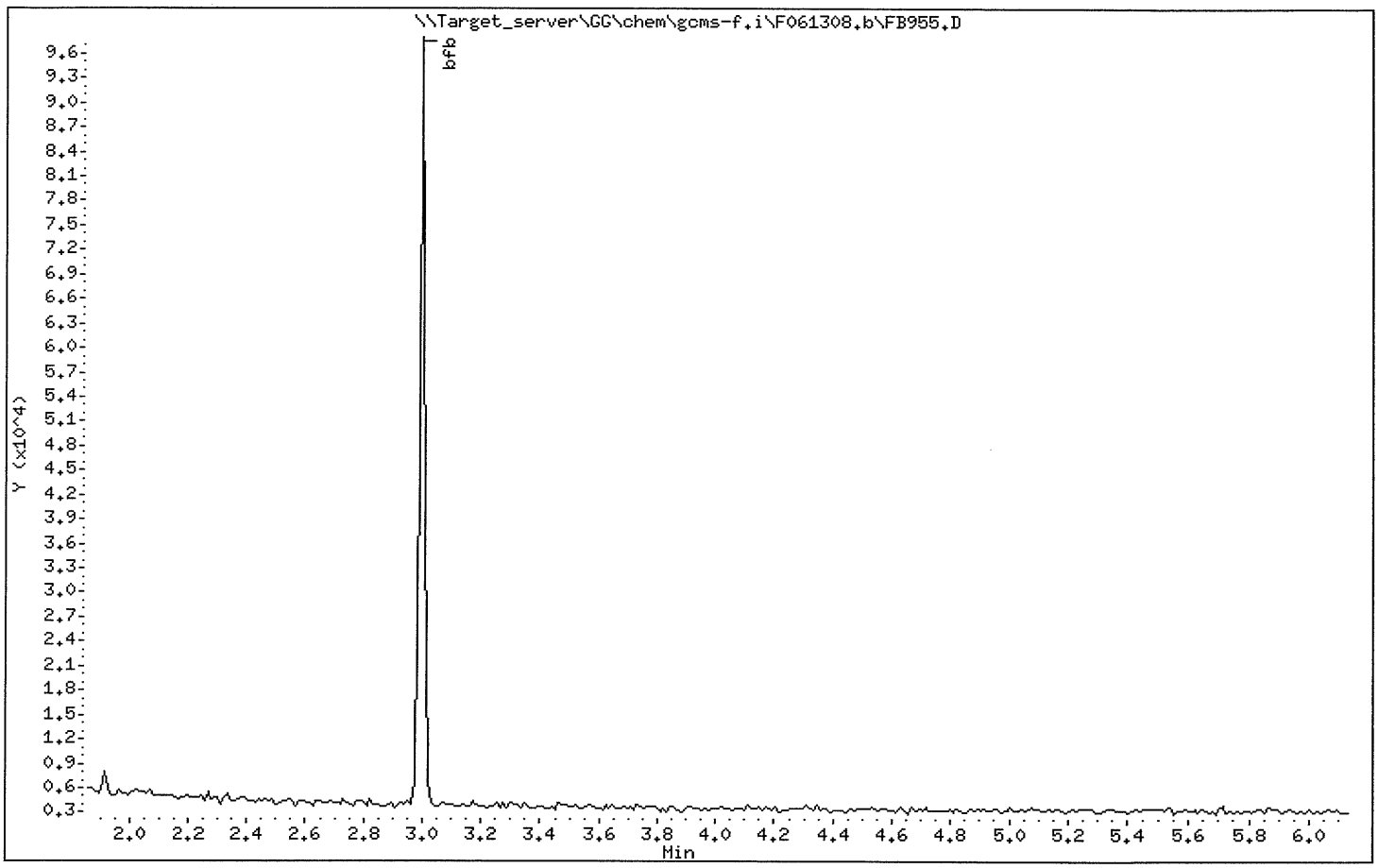
Sample Info: 50NG BFB

Volume Injected (uL): 1.0

Operator: SKT

Column phase: RTX-VMS

Column diameter: 0.18



Data File: \\Target_server\GG\chem\gcms-f.i\F061308.b\FB955.D

Date : 13-JUN-2008 14:12

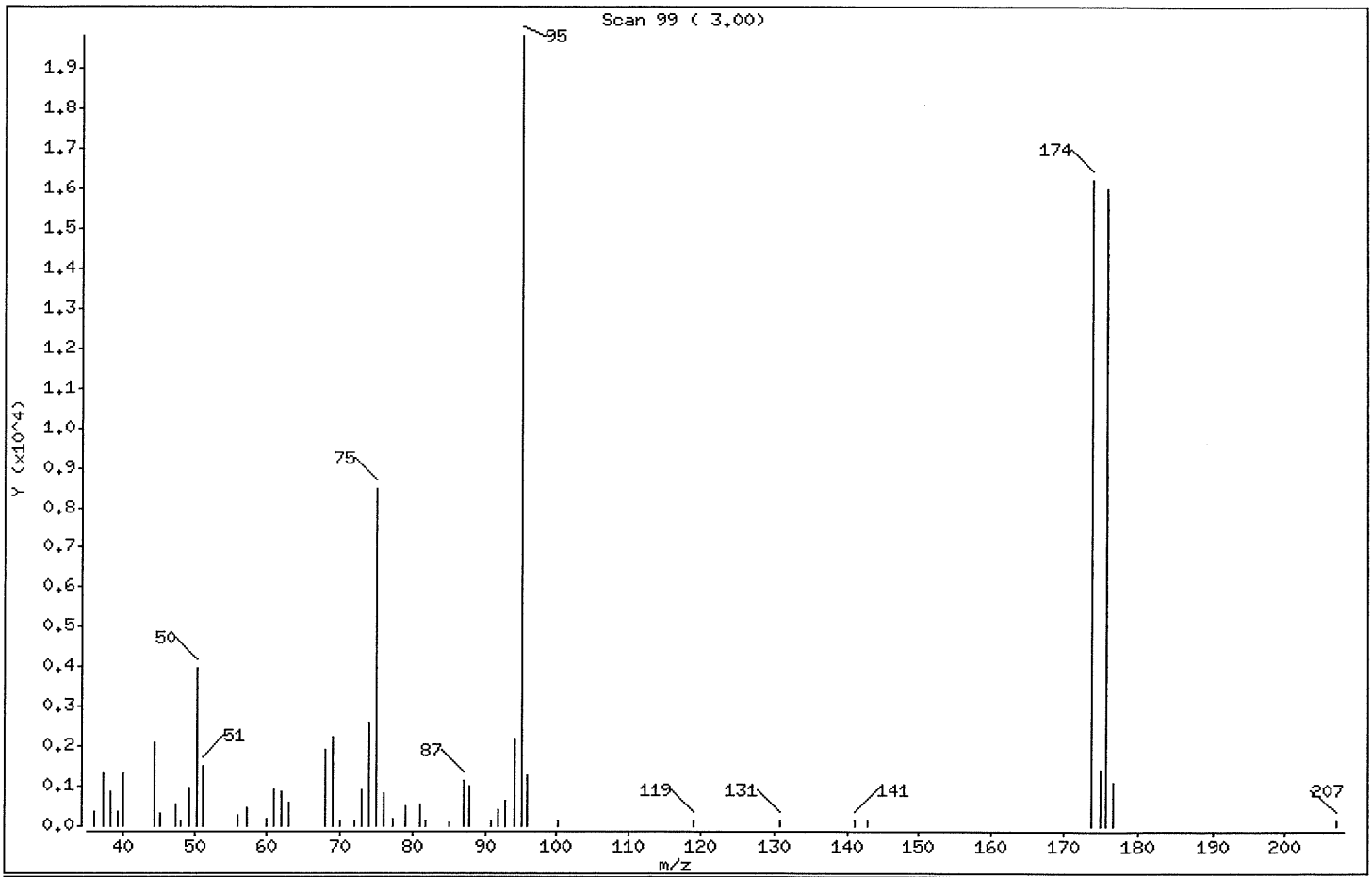
Client ID: | Instrument: gcms-f.i

Sample Info: 50NG BFB

Volume Injected (uL): 1.0 | Operator: SKT

Column phase: RTX-VMS | Column diameter: 0.18

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	20.06
75	30.00 - 60.00% of mass 95	42.73
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	81.73
175	5.00 - 9.00% of mass 174	7.15 (8.74)
176	95.00 - 101.00% of mass 174	80.80 (98.86)
177	5.00 - 9.00% of mass 176	5.58 (6.90)

Data File: \\Target_server\GG\chem\gcms-f.i\F061308.b\FB955.D

Date : 13-JUN-2008 14:12

Client ID: Instrument: gcms-f.i

Sample Info: 50NG BFB

Volume Injected (uL): 1.0 Operator: SKT

Column phase: RTX-VMS Column diameter: 0.18

Data File: FB955.D
Spectrum: Scan 99 (3.00)
Location of Maximum: 95.10
Number of points: 49

m/z	Y	m/z	Y	m/z	Y	m/z	Y
35.85	364	57.10	434	77.20	192	100.10	159
37.05	1315	60.00	204	79.00	516	119.10	153
38.05	867	61.10	908	81.00	549	130.90	118
39.05	354	62.00	888	81.90	131	141.00	134
39.95	1326	63.10	576	85.00	102	143.00	132
44.10	2104	68.10	1901	87.10	1135	173.90	16208
44.90	304	69.00	2242	87.90	1004	175.00	1417
47.10	564	70.00	141	90.90	114	175.90	16024
47.90	150	72.00	117	92.00	404	176.90	1106
49.10	946	73.10	933	93.00	631	206.95	144
50.10	3979	74.10	2606	94.10	2201		
51.00	1495	75.10	8474	95.10	19832		
56.00	251	76.00	817	96.00	1293		

Data File: \\Target_server\GC\chem\gcms-f.i\F061808.b\FB960.D

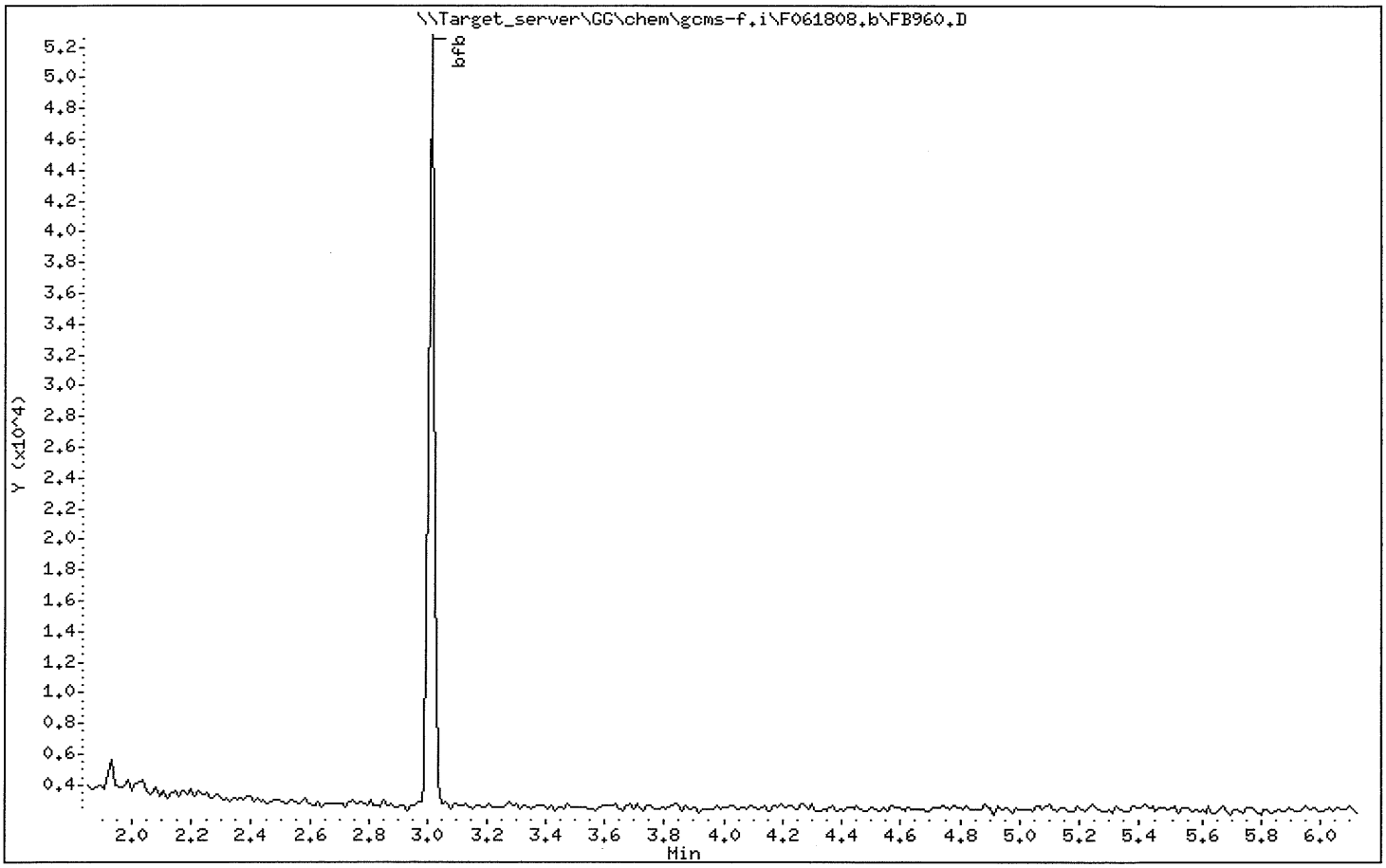
Date : 18-JUN-2008 09:23

Client ID: | Instrument: gcms-f.i

Sample Info: 50NG BFB

Volume Injected (uL): 1.0 | Operator: TTC

Column phase: RTX-VMS | Column diameter: 0.18



Data File: \\Target_server\GC\chem\gcms-f.i\F061808.b\FB960.D

Date : 18-JUN-2008 09:23

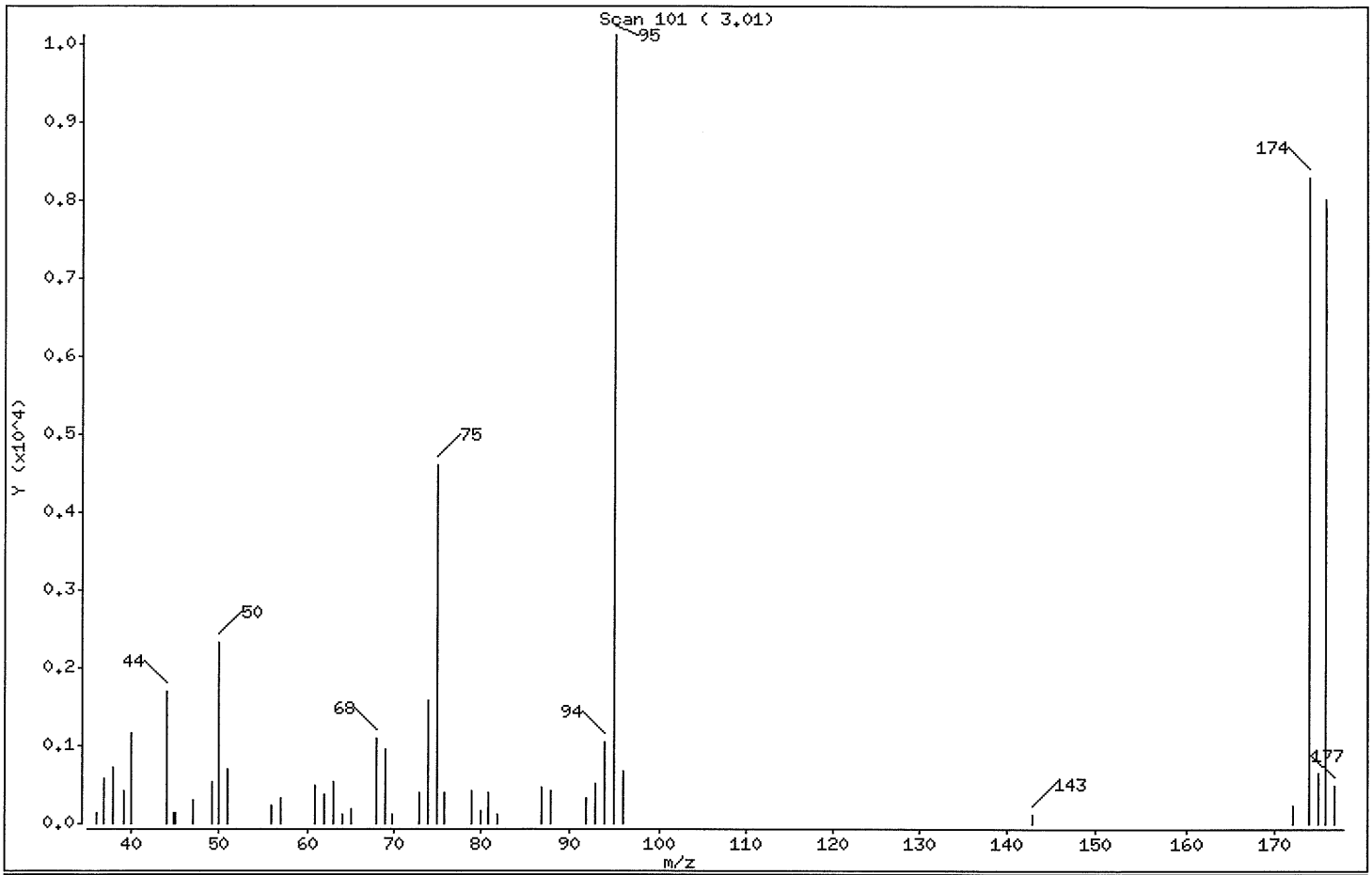
Client ID: | Instrument: gcms-f.i

Sample Info: 50NG BFB

Volume Injected (uL): 1.0 | Operator: TTC

Column phase: RTX-VMS | Column diameter: 0.18

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	22.97
75	30.00 - 60.00% of mass 95	45.47
96	5.00 - 9.00% of mass 95	6.63
173	Less than 2.00% of mass 174	0.00 (0.00)
174	Greater than 50.00% of mass 95	82.18
175	5.00 - 9.00% of mass 174	6.34 (7.71)
176	95.00 - 101.00% of mass 174	79.29 (96.48)
177	5.00 - 9.00% of mass 176	4.72 (5.95)

Data File: \\Target_server\GG\chem\gcms-f.i\F061808.b\FB960.D

Date : 18-JUN-2008 09:23

Client ID: Instrument: gcms-f.i

Sample Info: 50NG BFB

Volume Injected (uL): 1.0 Operator: TTC

Column phase: RTX-VMS Column diameter: 0.18

Data File: FB960.D
Spectrum: Scan 101 (3.01)
Location of Maximum: 94.90
Number of points: 43

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	140	50.90	697	72.90	403	92.90	521
36.90	582	55.90	236	73.90	1594	93.90	1043
38.00	723	57.00	319	75.00	4605	94.90	10128
39.10	416	61.00	488	75.90	403	96.00	671
39.90	1174	61.90	372	78.90	425	142.80	110
44.00	1694	62.90	530	80.00	170	171.95	227
44.80	146	64.00	118	80.90	401	173.85	8323
45.00	144	65.00	177	81.80	126	174.95	642
47.00	307	67.90	1088	86.90	459	175.85	8030
49.10	525	69.00	959	87.90	425	176.85	478
50.00	2326	69.80	127	91.90	320		

Data File: \\Target_server\GC\chem\gcms-s.i\S061608.b\SB841.D

Date : 16-JUN-2008 08:40

Client ID:

Instrument: gcms-s.i

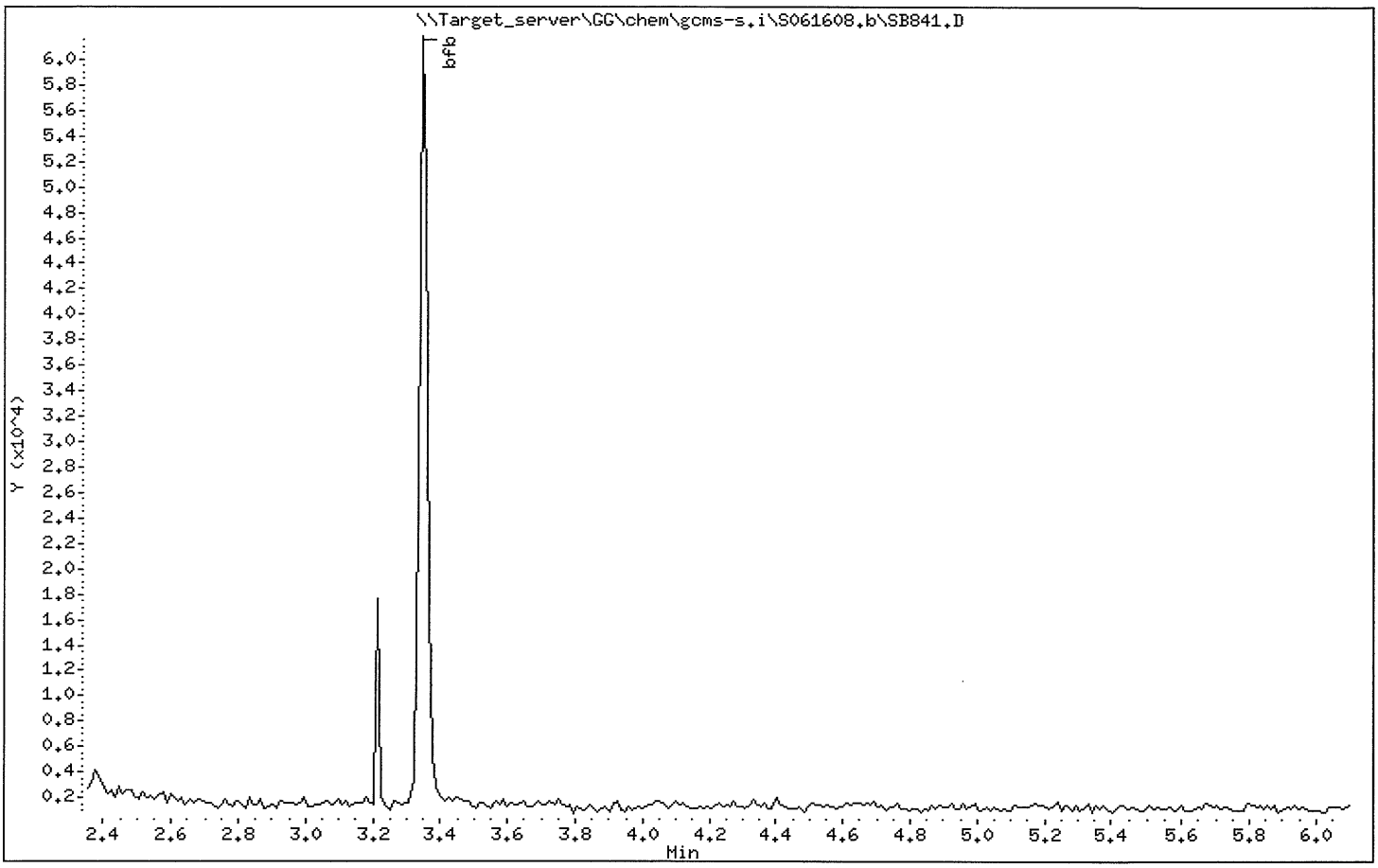
Sample Info: 50NG BFB

Volume Injected (uL): 1.0

Operator: SKT

Column phase: RTX-VMS

Column diameter: 0.18



Data File: \\Target_server\GC\chem\gcms-s.i\S061608.b\SB841.D

Date : 16-JUN-2008 08:40

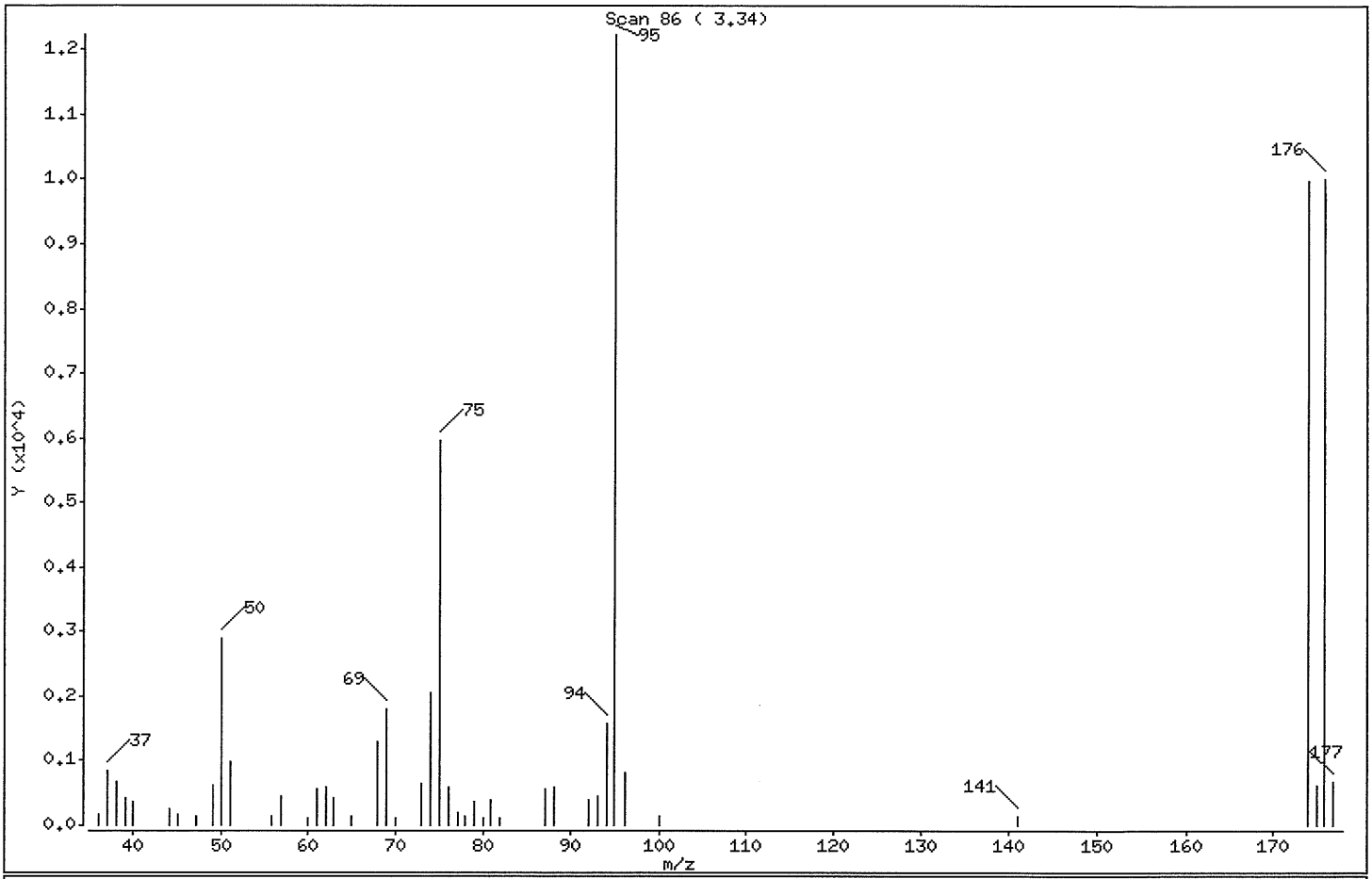
Client ID: | Instrument: gcms-s.i

Sample Info: 50NG BFB

Volume Injected (uL): 1.0 | Operator: SKT

Column phase: RTX-VMS | Column diameter: 0.18

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	23.58
75	30.00 - 60.00% of mass 95	48.71
96	5.00 - 9.00% of mass 95	6.72
173	Less than 2.00% of mass 174	0.00 (0.00)
174	Greater than 50.00% of mass 95	81.59
175	5.00 - 9.00% of mass 174	5.11 (6.26)
176	95.00 - 101.00% of mass 174	81.89 (100.37)
177	5.00 - 9.00% of mass 176	5.48 (6.69)

Data File: \\Target_server\GC\chem\gcms-s.i\S061608.b\SB841.D

Date : 16-JUN-2008 08:40

Client ID: Instrument: gcms-s.i

Sample Info: 50NG BFB

Volume Injected (uL): 1.0 Operator: SKT

Column phase: RTX-VMS Column diameter: 0.18

Data File: SB841.D
Spectrum: Scan 86 (3.34)
Location of Maximum: 95.00
Number of points: 44

m/z	Y	m/z	Y	m/z	Y	m/z	Y
35.95	179	56.90	436	75.95	598	95.00	12236
37.05	844	60.15	101	77.05	196	96.10	822
38.05	687	61.05	558	77.85	127	100.05	136
39.10	421	62.05	601	78.95	367	141.05	150
39.90	364	63.05	416	79.90	119	173.90	9983
44.00	257	65.05	147	80.90	397	174.90	625
45.10	155	68.00	1286	81.90	101	175.90	10020
47.15	129	69.00	1792	86.95	553	176.90	670
49.05	607	70.00	108	88.05	577		
50.05	2885	72.95	652	91.95	384		
51.05	992	74.05	2054	93.00	454		
55.90	142	74.95	5960	94.00	1564		

Data File: \\Target_server\GC\chem\gcms-s.i\S061808.b\SB843.D

Date : 18-JUN-2008 08:55

Client ID:

Instrument: gcms-s.i

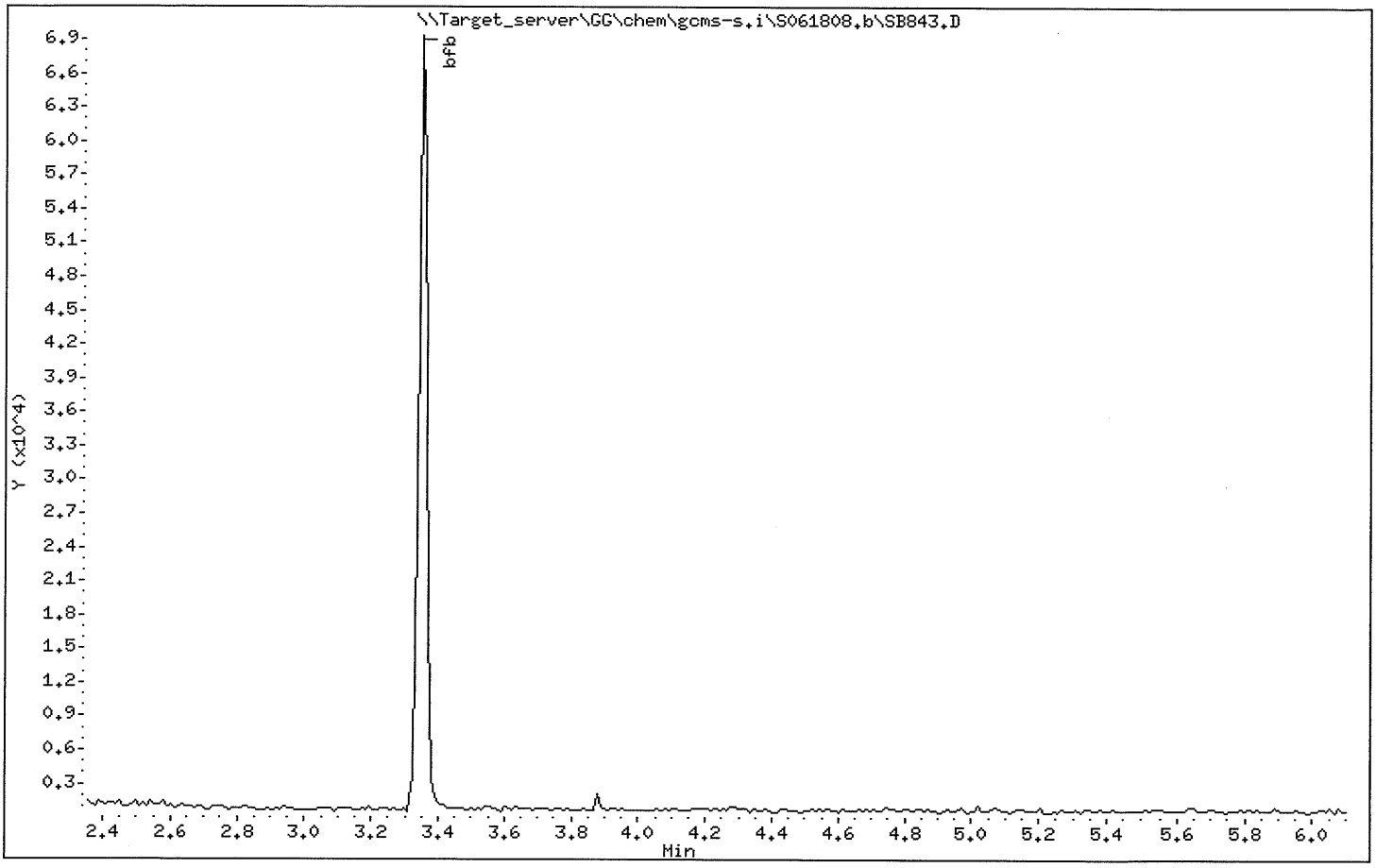
Sample Info: 50NG BFB

Volume Injected (uL): 1.0

Operator: SKT

Column phase: RTX-VMS

Column diameter: 0.18



Data File: \\Target_server\GC\chem\gcms-s.i\S061808.b\SB843.D

Date : 18-JUN-2008 08:55

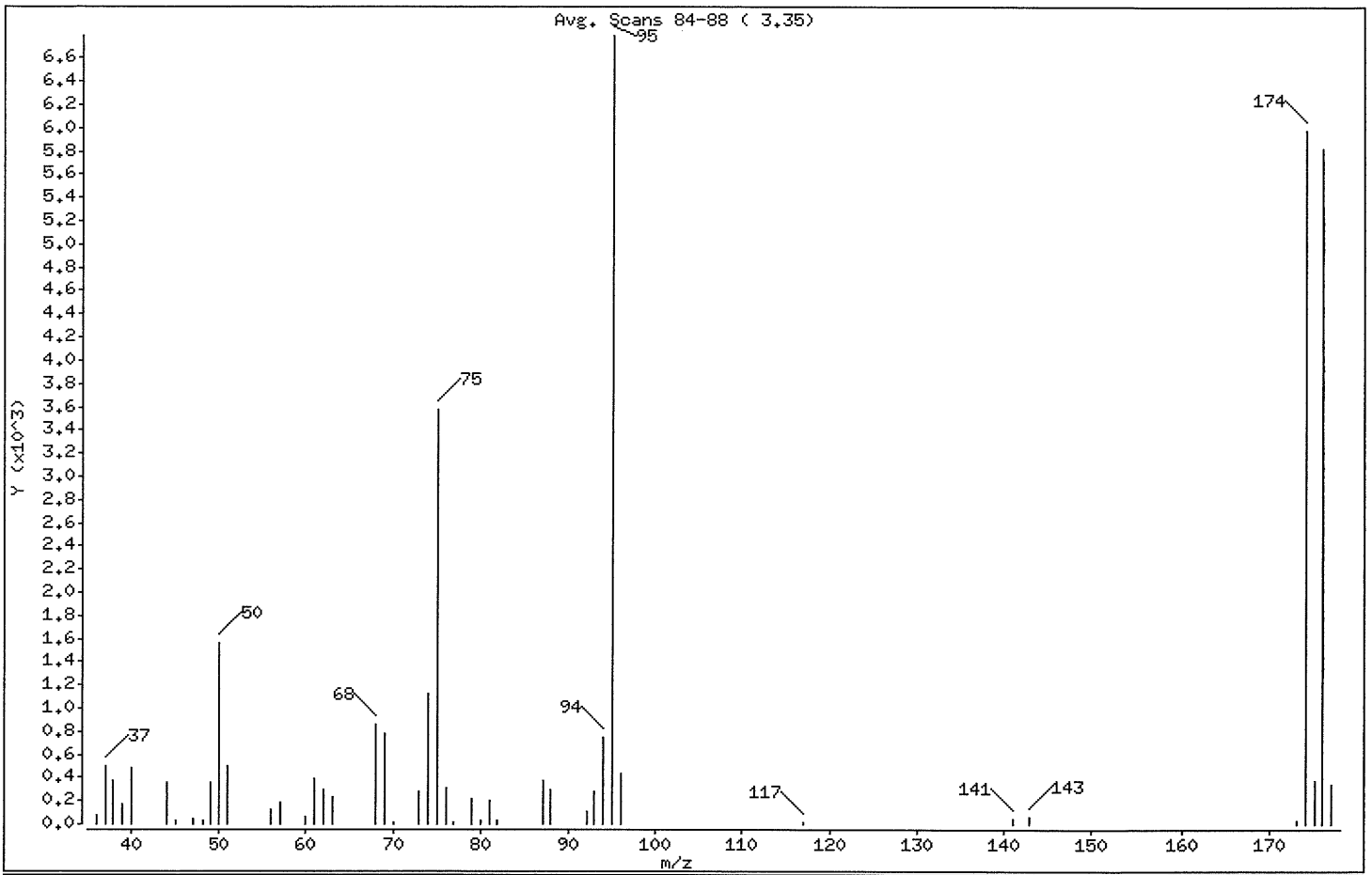
Client ID: | Instrument: gcms-s.i

Sample Info: 50NG BFB

Volume Injected (uL): 1.0 | Operator: SKT

Column phase: RTX-VMS | Column diameter: 0.18

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	22.98
75	30.00 - 60.00% of mass 95	52.55
96	5.00 - 9.00% of mass 95	6.43
173	Less than 2.00% of mass 174	0.35 (0.40)
174	Greater than 50.00% of mass 95	87.96
175	5.00 - 9.00% of mass 174	5.55 (6.31)
176	95.00 - 101.00% of mass 174	85.69 (97.42)
177	5.00 - 9.00% of mass 176	5.03 (5.87)

Data File: \\Target_server\GC\chem\gcms-s.i\S061808.b\SB843.D

Date : 18-JUN-2008 08:55

Client ID: Instrument: gcms-s.i

Sample Info: 50NG BFB

Volume Injected (uL): 1.0 Operator: SKT

Column phase: RTX-VMS Column diameter: 0.18

Data File: SB843.D
Spectrum: Avg. Scans 84-88 (3.35)
Location of Maximum: 95.00
Number of points: 45

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	85	56.00	122	76.00	312	96.00	437
37.00	493	57.00	186	77.00	20	117.00	21
38.00	372	60.00	58	79.00	211	141.00	51
39.00	174	61.00	393	80.00	25	143.00	70
40.00	483	62.00	299	81.00	202	173.00	24
44.00	366	63.00	228	82.00	35	174.00	5976
45.00	37	68.00	865	87.00	371	175.00	377
47.00	46	69.00	782	88.00	296	176.00	5822
48.00	29	70.00	22	92.00	110	177.00	342
49.00	360	73.00	282	93.00	275		
50.00	1561	74.00	1132	94.00	750		
51.00	499	75.00	3570	95.00	6794		

Data File: \\Target_server\GG\chem\gcms-s.i\S061908.b\SB844.D

Date : 19-JUN-2008 08:26

Client ID:

Instrument: gcms-s.i

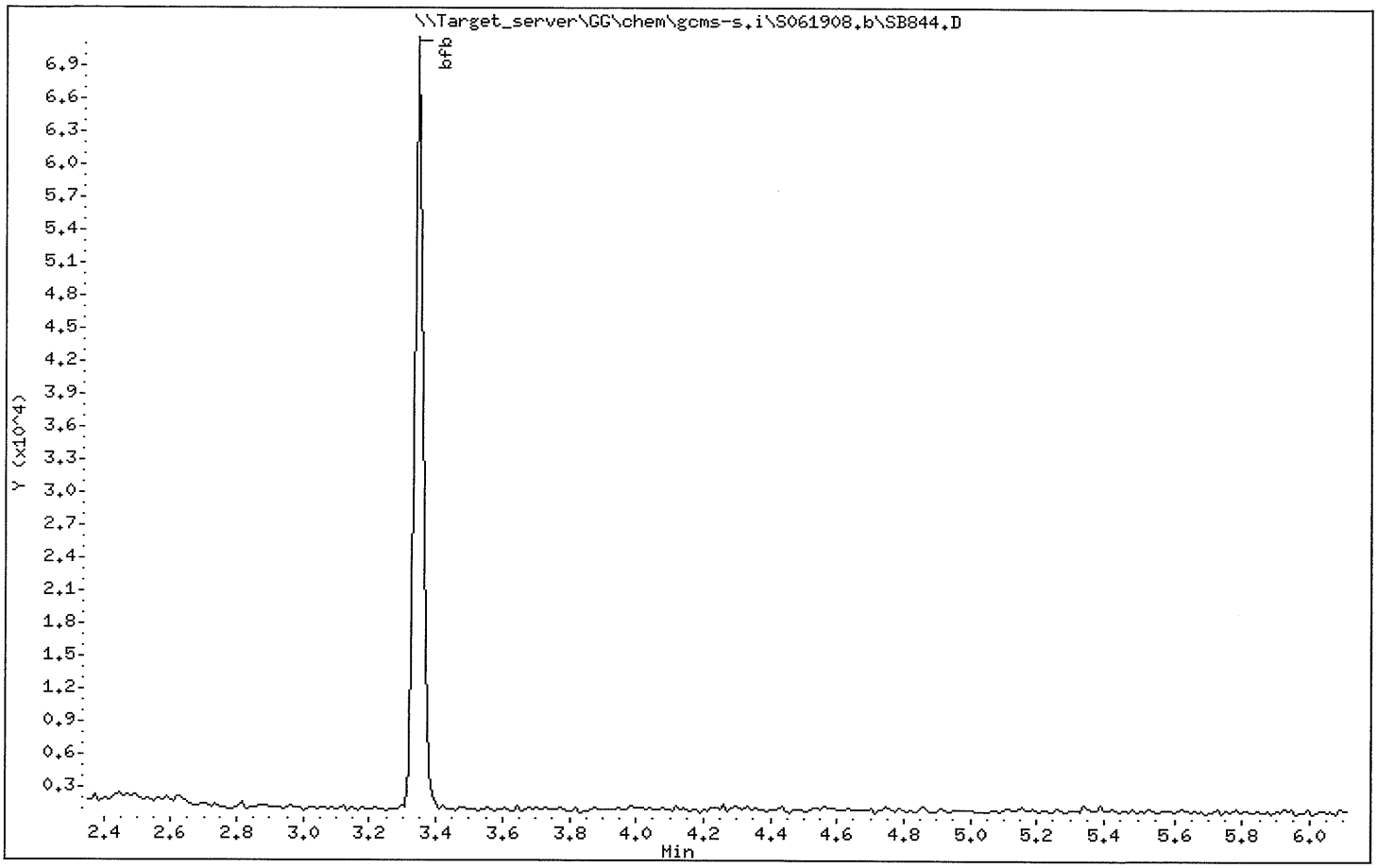
Sample Info: 50NG BFB

Volume Injected (uL): 1.0

Operator: SKT

Column phase: RTX-VMS

Column diameter: 0.18



Data File: \\Target_server\GG\chem\gcms-s.i\S061908.b\SB844.D

Date : 19-JUN-2008 08:26

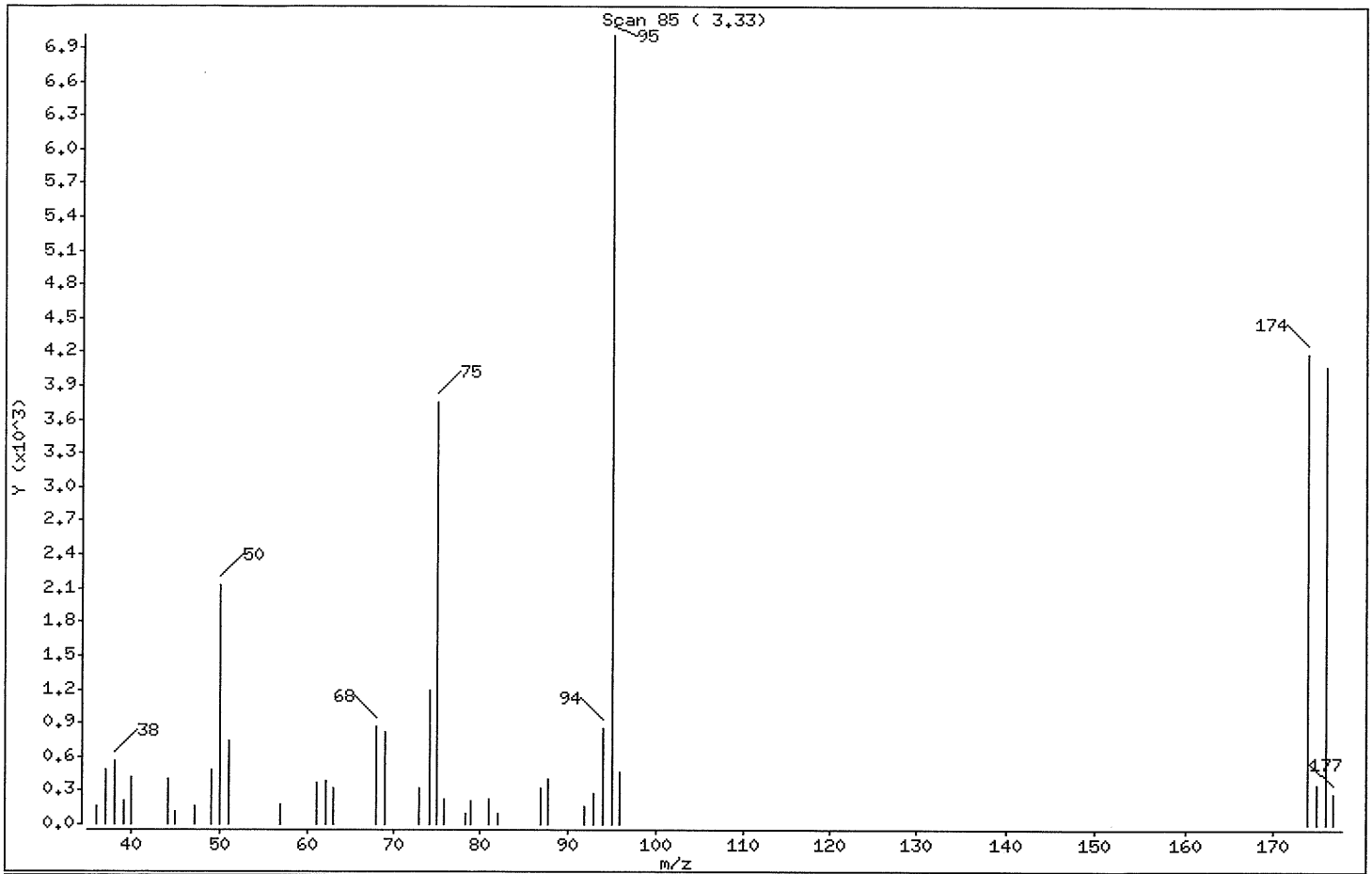
Client ID: | Instrument: gcms-s.i

Sample Info: 50NG BFB

Volume Injected (uL): 1.0 | Operator: SKT

Column phase: RTX-VMS | Column diameter: 0.18

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	30.24
75	30.00 - 60.00% of mass 95	53.46
96	5.00 - 9.00% of mass 95	6.76
173	Less than 2.00% of mass 174	0.00 (0.00)
174	Greater than 50.00% of mass 95	59.78
175	5.00 - 9.00% of mass 174	5.02 (8.40)
176	95.00 - 101.00% of mass 174	58.15 (97.28)
177	5.00 - 9.00% of mass 176	4.01 (6.89)

Data File: \\Target_server\GC\chem\gcms-s.i\S061908.b\SB844.D

Date : 19-JUN-2008 08:26

Client ID:

Instrument: gcms-s.i

Sample Info: 50NG BFB

Volume Injected (uL): 1.0

Operator: SKT

Column phase: RTX-VMS

Column diameter: 0.18

Data File: SB844.D
Spectrum: Scan 85 (3.33)
Location of Maximum: 95.00
Number of points: 36

m/z	Y	m/z	Y	m/z	Y	m/z	Y
35.95	161	51.05	736	75.85	227	95.00	7011
37.05	491	57.00	170	78.25	104	96.00	474
38.05	571	61.05	370	78.95	214	173.90	4191
39.00	208	62.05	382	80.90	229	174.90	352
39.90	423	62.95	325	82.00	101	175.90	4077
44.10	404	68.00	870	86.95	316	176.80	281
45.00	111	69.00	820	87.85	397		
47.15	154	72.95	322	91.95	155		
49.05	477	74.05	1185	93.00	280		
50.05	2120	75.05	3748	94.00	852		

Data File: \\Target_server\GC\chem\gcms-s.i\S062008.b\SB845.D

Date : 20-JUN-2008 07:28

Client ID:

Instrument: gcms-s.i

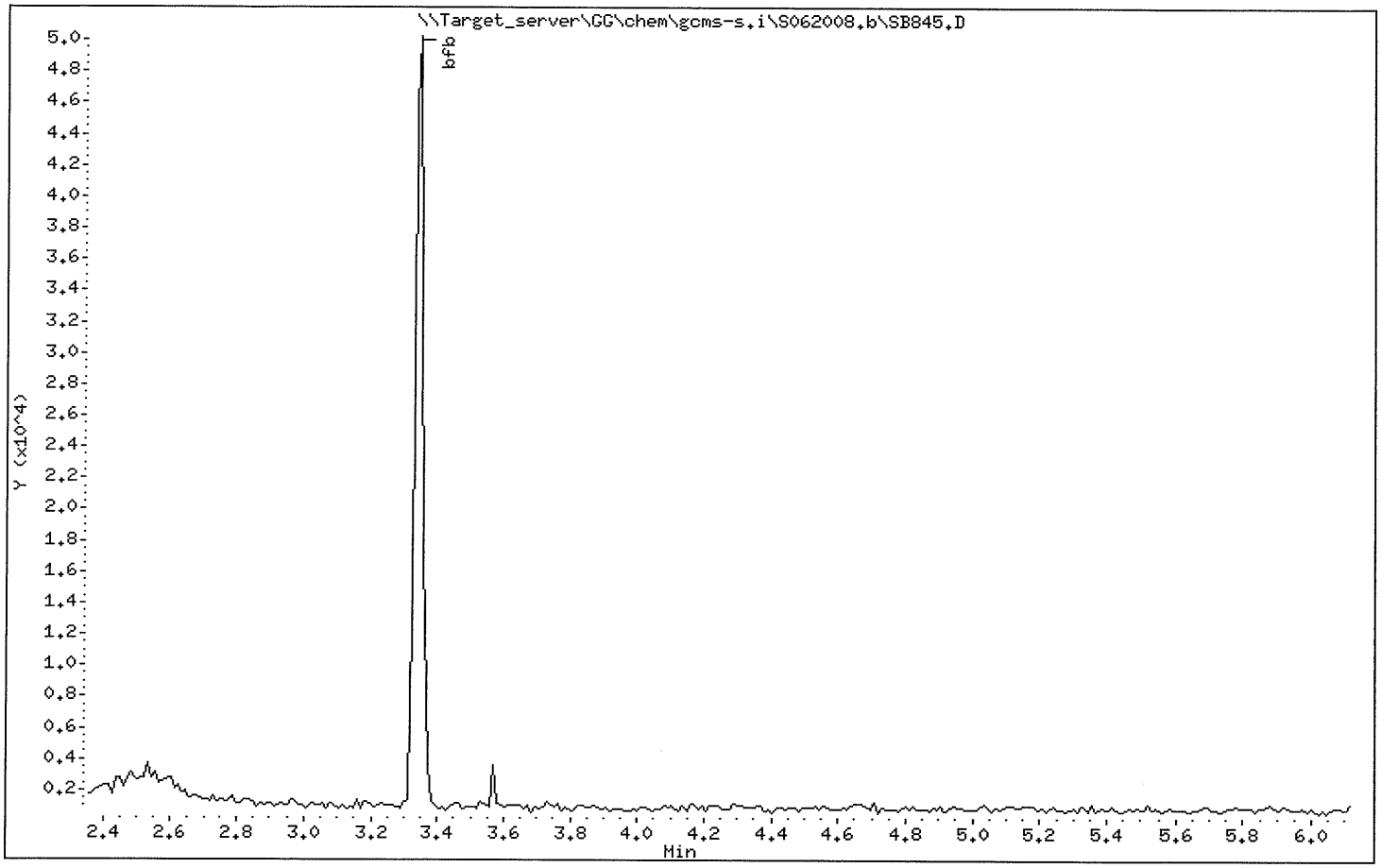
Sample Info: 50NG BFB

Volume Injected (uL): 1.0

Operator: SKT

Column phase: RTX-VMS

Column diameter: 0.18



Data File: \\Target_server\GG\chem\gcms-s.i\S062008.b\SB845.D

Date : 20-JUN-2008 07:28

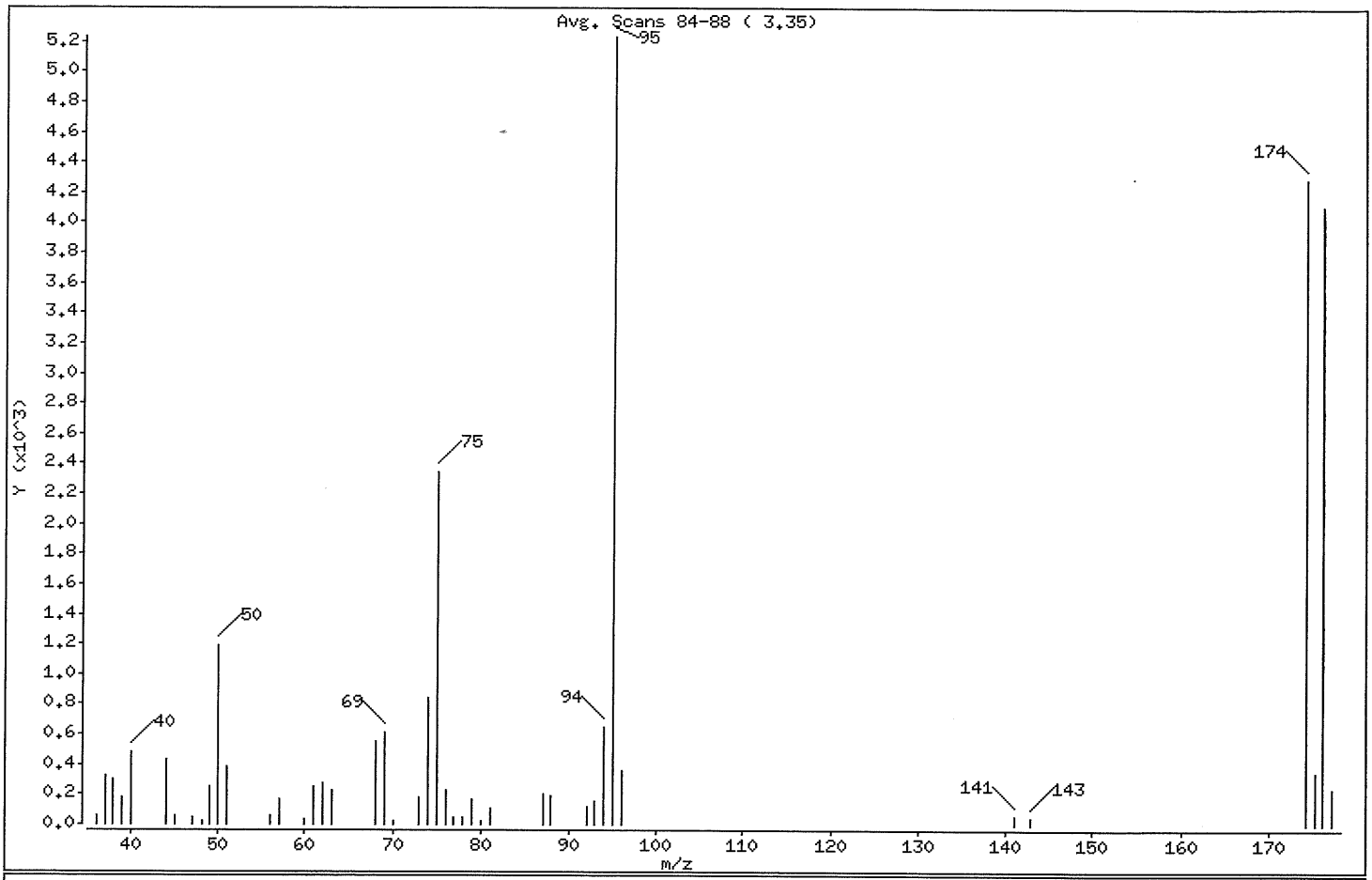
Client ID: Instrument: gcms-s.i

Sample Info: 50NG BFB

Volume Injected (uL): 1.0 Operator: SKT

Column phase: RTX-VMS Column diameter: 0.18

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	22.86
75	30.00 - 60.00% of mass 95	44.78
96	5.00 - 9.00% of mass 95	6.79
173	Less than 2.00% of mass 174	0.00 (0.00)
174	Greater than 50.00% of mass 95	82.07
175	5.00 - 9.00% of mass 174	6.75 (8.22)
176	95.00 - 101.00% of mass 174	78.63 (95.81)
177	5.00 - 9.00% of mass 176	4.61 (5.86)

Data File: \\Target_server\GC\chem\gcms-s.i\S062008.b\SB845.D

Date : 20-JUN-2008 07:28

Client ID:

Instrument: gcms-s.i

Sample Info: 50NG BFB

Volume Injected (uL): 1.0

Operator: SKT

Column phase: RTX-VMS

Column diameter: 0.18

Data File: SB845.D
Spectrum: Avg. Scans 84-88 (3.35)
Location of Maximum: 95.00
Number of points: 43

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	56	51.00	383	74.00	837	93.00	154
37.00	324	56.00	65	75.00	2343	94.00	645
38.00	298	57.00	165	76.00	225	95.00	5232
39.00	181	60.00	35	77.00	48	96.00	355
40.00	480	61.00	250	78.00	45	141.00	57
44.00	429	62.00	271	79.00	166	143.00	53
45.00	59	63.00	233	80.00	21	174.00	4294
47.00	54	68.00	550	81.00	109	175.00	353
48.00	23	69.00	614	87.00	207	176.00	4114
49.00	247	70.00	28	88.00	187	177.00	241
50.00	1196	73.00	183	92.00	119		

Raw QC Data Section

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client:
Project: CTO 426 NLON
PO No:
Sample Date:
Received Date:
Extraction Date:
Analysis Date: 18-JUN-2008 13:21
Report Date: 06/26/2008
Matrix: WATER
% Solids: NA

Lab ID: WG52642-2
Client ID: WG52642-Blank
SDG: CTO426-3
Extracted by:
Extraction Method: SW846 5030
Analyst: TTC
Analysis Method: SW846 8260B
Lab Prep Batch: WG52642
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
1634-04-4	Methyl tert-butyl ether	U	1	1.0	1	1	0.5
71-43-2	Benzene	U	1	1.0	1	1	0.3
108-88-3	Toluene	U	1	1.0	1	1	0.4
100-41-4	Ethylbenzene	U	1	1.0	1	1	0.3
1330-20-7	Xylenes (total)	U	3	1.0	3	3	0.3
	m+p-Xylenes	U	2	1.0	2	2	0.7
95-47-6	o-Xylene	U	1	1.0	1	1	0.3
98-82-8	Isopropylbenzene	U	1	1.0	1	1	0.4
91-20-3	Naphthalene	U	1	1.0	1	1	0.4
1868-53-7	Dibromofluoromethane		99%				
17060-07-0	1,2-Dichloroethane-D4		115%				
2037-26-5	Toluene-D8		95%				
460-00-4	P-Bromofluorobenzene		93%				

Data File: \\Target_server\GG\chem\gcms-f.i\F061808.b\F0963.D
Report Date: 25-Jun-2008 14:37

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gcms-f.i\F061808.b\F0963.D
Lab Smp Id: WG52642-2 Client Smp ID: WG52642-Blank
Inj Date : 18-JUN-2008 13:21 MS Autotune Date: 01-JAN-1990 15:37
Operator : TTC Inst ID: gcms-f.i
Smp Info : WG52642-2
Misc Info : SW846 8260B
Comment :
Method : \\Target_server\GG\chem\gcms-f.i\F061808.b\F826a08.m
Meth Date : 18-Jun-2008 10:55 tcote Quant Type: ISTD
Cal Date : 13-JUN-2008 17:40 Cal File: F0839.D
Als bottle: 6 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.12
Processing Host: MIS_2

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)	REVIEW CODE
$ 37 Dibromofluoromethane	113	7.440	7.409	(0.872)	200282	49.3721	49.4	
* 42 Pentafluorobenzene	168	8.531	8.512	(1.000)	356856	50.0000		
$ 45 1,2-Dichloroethane-D4	65	8.520	8.500	(0.999)	263806	57.5793	57.6	
* 49 1,4-Difluorobenzene	114	9.367	9.348	(1.000)	590227	50.0000		
$ 55 Toluene-D8	98	11.038	11.031	(1.178)	734532	47.4764	47.5	
* 66 Chlorobenzene-D5	117	12.860	12.854	(1.000)	502903	50.0000		
$ 76 P-Bromofluorobenzene	95	14.450	14.433	(1.543)	251520	46.5213	46.5	
* 91 1,4-Dichlorobenzene-D4	152	15.994	15.977	(1.000)	216466	50.0000		

Data File: \\Target_server\GG\chem\gcms-f.i\F061808.b\F0963.D
Report Date: 25-Jun-2008 14:37

Katahdin Analytical Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcms-f.i
Lab File ID: F0963.D
Lab Smp Id: WG52642-2
Analysis Type: VOA
Quant Type: ISTD
Operator: TTC
Method File: \\Target_server\GG\chem\gcms-f.i\F061808.b\F826a08.m
Misc Info: SW846 8260B

Calibration Date: 18-JUN-2008
Calibration Time: 10:31
Client Smp ID: WG52642-Blank
Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 4

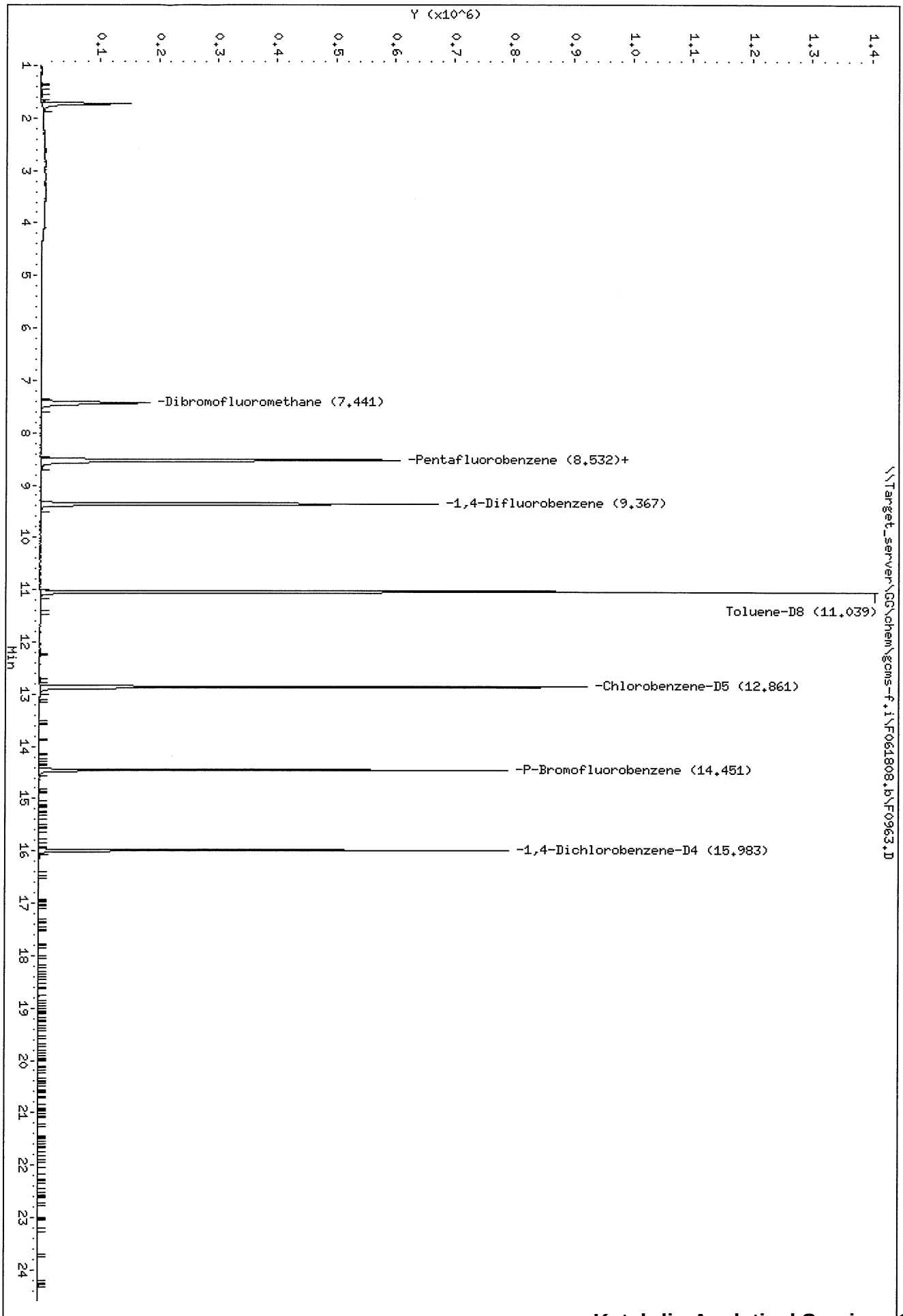
COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	438882	219441	877764	356856	-18.69
49 1,4-Difluorobenze	678902	339451	1357804	590227	-13.06
66 Chlorobenzene-D5	580047	290024	1160094	502903	-13.30
91 1,4-Dichlorobenze	292252	146126	584504	216466	-25.93

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	8.53	8.03	9.03	8.53	0.00
49 1,4-Difluorobenze	9.37	8.87	9.87	9.37	0.00
66 Chlorobenzene-D5	12.87	12.37	13.37	12.86	-0.09
91 1,4-Dichlorobenze	15.99	15.49	16.49	15.99	0.00

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.

Data File: \\Target_server\GC\chem\gcms-f.i\F061808.b\F0963.D
Date : 18-JUN-2008 13:21
Client ID: WG52642-Blank
Sample Info: WG52642-2

Instrument: gcms-f.i



KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client:
Project: CTO 426 NLON
PO No:
Sample Date:
Received Date:
Extraction Date:
Analysis Date: 18-JUN-2008 11:12
Report Date: 06/26/2008
Matrix: WATER
% Solids: NA

Lab ID: WG52635-2
Client ID: WG52635-Blank
SDG: CTO426-3
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG52635
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
1634-04-4	Methyl tert-butyl ether	U	1	1.0	1	1	0.5
71-43-2	Benzene	U	1	1.0	1	1	0.3
108-88-3	Toluene	U	1	1.0	1	1	0.4
100-41-4	Ethylbenzene	U	1	1.0	1	1	0.3
1330-20-7	Xylenes (total)	U	3	1.0	3	3	0.3
	m+p-Xylenes	U	2	1.0	2	2	0.7
95-47-6	o-Xylene	U	1	1.0	1	1	0.3
98-82-8	Isopropylbenzene	U	1	1.0	1	1	0.4
91-20-3	Naphthalene	U	1	1.0	1	1	0.4
1868-53-7	Dibromofluoromethane		102%				
17060-07-0	1,2-Dichloroethane-D4		99%				
2037-26-5	Toluene-D8		102%				
460-00-4	P-Bromofluorobenzene		112%				

Data File: \\Target_server\GG\chem\gcms-s.i\S061808.b\S1418.D
Report Date: 25-Jun-2008 15:41

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gcms-s.i\S061808.b\S1418.D
Lab Smp Id: WG52635-2 Client Smp ID: WG52635-Blank
Inj Date : 18-JUN-2008 11:12 MS Autotune Date: 21-NOV-2007 15:16
Operator : SKT Inst ID: gcms-s.i
Smp Info : WG52635-2
Misc Info : SW846 8260B
Comment :
Method : \\Target_server\GG\chem\gcms-s.i\S061808.b\s826a58.m
Meth Date : 18-Jun-2008 12:04 gcms-s.i Quant Type: ISTD
Cal Date : 16-JUN-2008 13:32 Cal File: S1375.D
Als bottle: 4 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.12
Processing Host: MIS_2

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)	REVIEW CODE
$ 37 Dibromofluoromethane	113	8.255	8.249	(0.904)	161229	50.7990	50.8	
* 42 Pentafluorobenzene	168	9.128	9.132	(1.000)	305864	50.0000		
$ 45 1,2-Dichloroethane-D4	65	9.139	9.132	(1.001)	180061	49.4421	49.4	
* 49 1,4-Difluorobenzene	114	9.849	9.842	(1.000)	426784	50.0000		
$ 55 Toluene-D8	98	11.395	11.400	(1.157)	437171	50.8585	50.8	
* 66 Chlorobenzene-D5	117	13.291	13.284	(1.000)	406183	50.0000		
$ 76 P-Bromofluorobenzene	95	14.884	14.878	(1.511)	209084	56.2562	56.2	
* 91 1,4-Dichlorobenzene-D4	152	16.431	16.424	(1.000)	198356	50.0000		

Data File: \\Target_server\GG\chem\gcms-s.i\S061808.b\S1418.D
Report Date: 25-Jun-2008 15:41

Katahdin Analytical Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcms-s.i
Lab File ID: S1418.D
Lab Smp Id: WG52635-2
Analysis Type: VOA
Quant Type: ISTD
Operator: SKT
Method File: \\Target_server\GG\chem\gcms-s.i\S061808.b\s826a58.m
Misc Info: SW846 8260B

Calibration Date: 18-JUN-2008
Calibration Time: 09:16
Client Smp ID: WG52635-Blank
Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 4

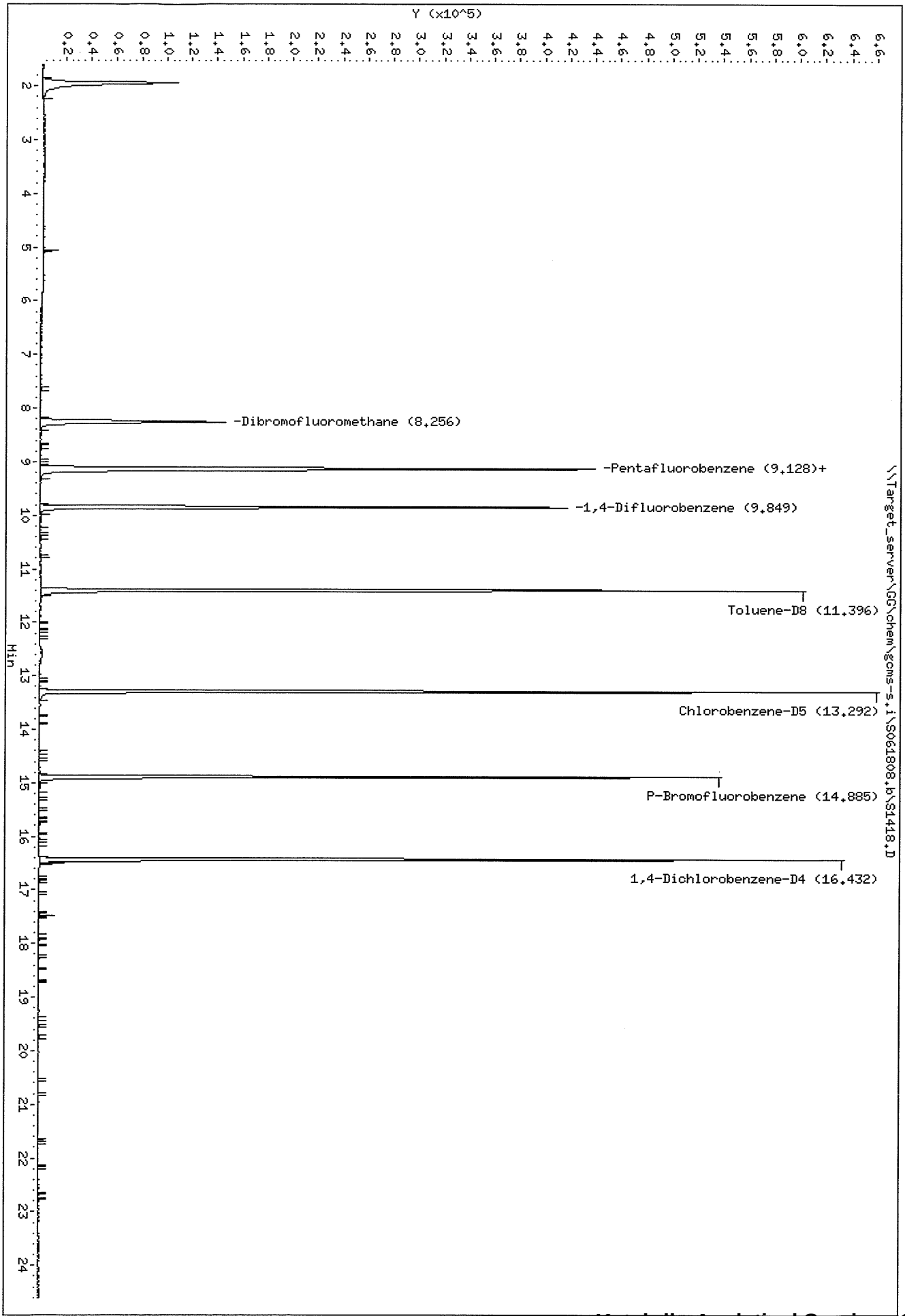
COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	310366	155183	620732	305864	-1.45
49 1,4-Difluorobenze	471386	235693	942772	426784	-9.46
66 Chlorobenzene-D5	391075	195538	782150	406183	3.86
91 1,4-Dichlorobenze	206672	103336	413344	198356	-4.02

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	9.13	8.63	9.63	9.13	0.01
49 1,4-Difluorobenze	9.85	9.35	10.35	9.85	0.01
66 Chlorobenzene-D5	13.29	12.79	13.79	13.29	0.01
91 1,4-Dichlorobenze	16.43	15.93	16.93	16.43	0.01

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.

Data File: \\Target_server\GC\chem\gcms-s.i\S061808.b\S1418.D
Date : 18-JUN-2008 11:12
Client ID: WG52635-Blank
Sample Info: WG52635-2

Instrument: gcms-s.i



KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client:
Project: CTO 426 NLON
PO No:
Sample Date:
Received Date:
Extraction Date:
Analysis Date: 19-JUN-2008 10:45
Report Date: 06/26/2008
Matrix: WATER
% Solids: NA

Lab ID: WG52683-2
Client ID: WG52683-Blank
SDG: CTO426-3
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG52683
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
1634-04-4	Methyl tert-butyl ether	U	1	1.0	1	1	0.5
71-43-2	Benzene	U	1	1.0	1	1	0.3
108-88-3	Toluene	U	1	1.0	1	1	0.4
100-41-4	Ethylbenzene	U	1	1.0	1	1	0.3
1330-20-7	Xylenes (total)	U	3	1.0	3	3	0.3
	m+p-Xylenes	U	2	1.0	2	2	0.7
95-47-6	o-Xylene	U	1	1.0	1	1	0.3
98-82-8	Isopropylbenzene	U	1	1.0	1	1	0.4
91-20-3	Naphthalene	U	1	1.0	1	1	0.4
1868-53-7	Dibromofluoromethane		103%				
17060-07-0	1,2-Dichloroethane-D4		94%				
2037-26-5	Toluene-D8		100%				
460-00-4	P-Bromofluorobenzene		102%				

Data File: \\Target_server\GG\chem\gcms-s.i\S061908.b\S1443.D
Report Date: 25-Jun-2008 15:50

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gcms-s.i\S061908.b\S1443.D
Lab Smp Id: WG52683-2 Client Smp ID: WG52683-Blank
Inj Date : 19-JUN-2008 10:45 MS Autotune Date: 21-NOV-2007 15:16
Operator : SKT Inst ID: gcms-s.i
Smp Info : WG52683-2
Misc Info : SW846 8260B
Comment :
Method : \\target_server\GG\chem\gcms-s.i\S061908.b\s826a58.m
Meth Date : 19-Jun-2008 09:58 gcms-s.i Quant Type: ISTD
Cal Date : 16-JUN-2008 13:32 Cal File: S1375.D
Als bottle: 4 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.12
Processing Host: V200T3

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)	REVIEW CODE
$ 37 Dibromofluoromethane	113	8.254	8.249	(0.904)	168048	51.4228	51.4	
* 42 Pentafluorobenzene	168	9.127	9.132	(1.000)	314933	50.0000		
$ 45 1,2-Dichloroethane-D4	65	9.127	9.132	(1.000)	175571	46.8210	46.8	
* 49 1,4-Difluorobenzene	114	9.836	9.842	(1.000)	483015	50.0000		
$ 55 Toluene-D8	98	11.395	11.400	(1.158)	484542	49.8071	49.8	
* 66 Chlorobenzene-D5	117	13.290	13.284	(1.000)	408760	50.0000		
$ 76 P-Bromofluorobenzene	95	14.883	14.878	(1.513)	215024	51.1192	51.1	
* 91 1,4-Dichlorobenzene-D4	152	16.430	16.424	(1.000)	208823	50.0000		

Data File: \\Target_server\GG\chem\gcms-s.i\S061908.b\S1443.D
Report Date: 25-Jun-2008 15:50

Katahdin Analytical Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcms-s.i
Lab File ID: S1443.D
Lab Smp Id: WG52683-2
Analysis Type: VOA
Quant Type: ISTD
Operator: SKT
Method File: \\target_server\GG\chem\gcms-s.i\S061908.b\s826a58.m
Misc Info: SW846 8260B

Calibration Date: 19-JUN-2008
Calibration Time: 08:51
Client Smp ID: WG52683-Blank
Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 4

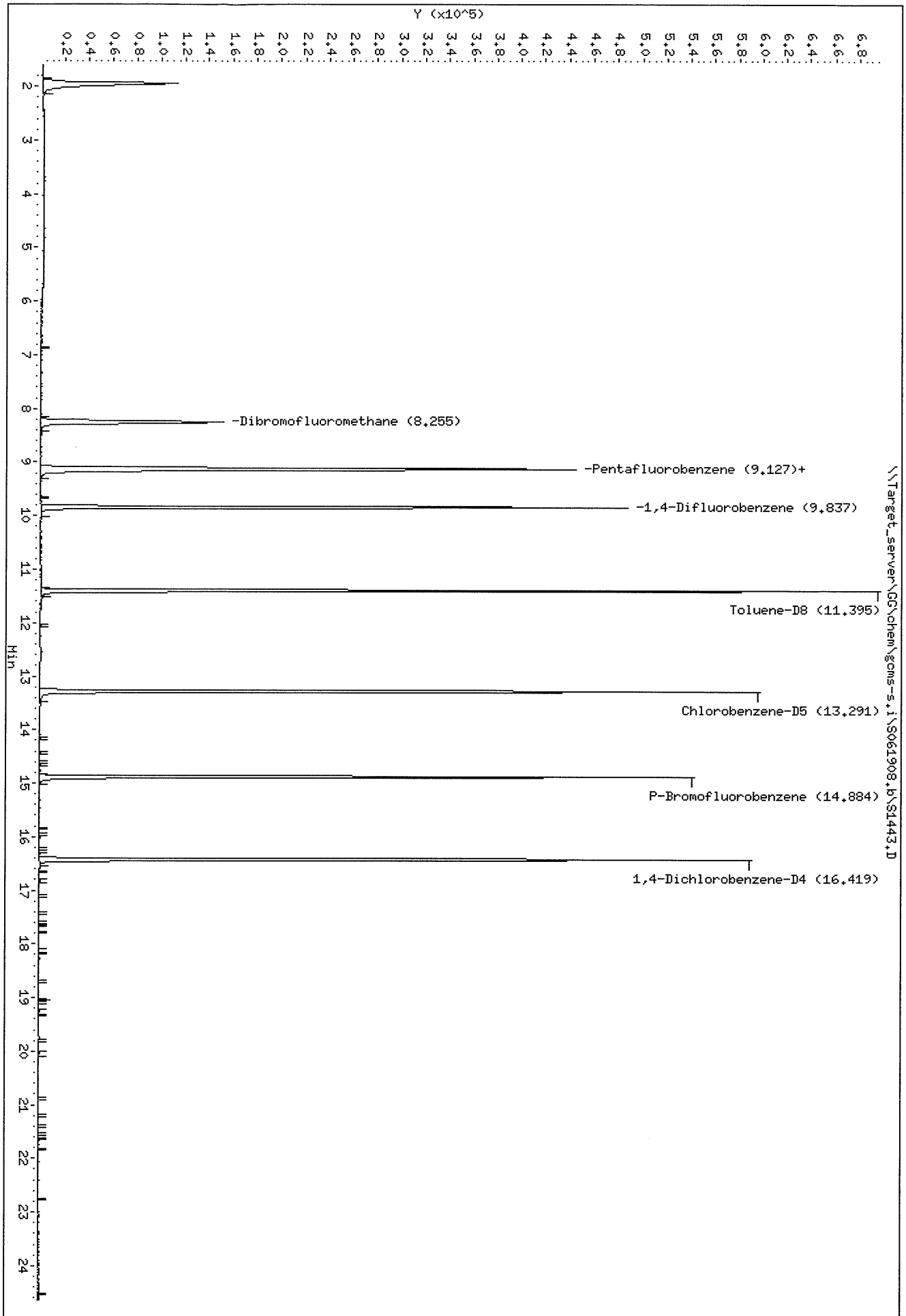
COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	330238	165119	660476	314933	-4.63
49 1,4-Difluorobenze	498117	249059	996234	483015	-3.03
66 Chlorobenzene-D5	406163	203082	812326	408760	0.64
91 1,4-Dichlorobenze	223189	111595	446378	208823	-6.44

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	9.13	8.63	9.63	9.13	0.00
49 1,4-Difluorobenze	9.84	9.34	10.34	9.84	0.00
66 Chlorobenzene-D5	13.29	12.79	13.79	13.29	0.00
91 1,4-Dichlorobenze	16.43	15.93	16.93	16.43	0.00

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.

Data File: \\Target_server\GC\chem\gcms-s.i\S061908.b\S1443.D
Date : 19-JUN-2008 10:45
Client ID: WC52683-Blank
Sample Info: WC52683-2

Instrument: gcms-s.i



KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client:
Project: CTO 426 NLON
PO No:
Sample Date:
Received Date:
Extraction Date:
Analysis Date: 20-JUN-2008 09:49
Report Date: 06/26/2008
Matrix: WATER
% Solids: NA

Lab ID: WG52722-2
Client ID: WG52722-Blank
SDG: CTO426-3
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG52722
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
1634-04-4	Methyl tert-butyl ether	U	1	1.0	1	1	0.5
71-43-2	Benzene	U	1	1.0	1	1	0.3
108-88-3	Toluene	U	1	1.0	1	1	0.4
100-41-4	Ethylbenzene	U	1	1.0	1	1	0.3
1330-20-7	Xylenes (total)	U	3	1.0	3	3	0.3
	m+p-Xylenes	U	2	1.0	2	2	0.7
95-47-6	o-Xylene	U	1	1.0	1	1	0.3
98-82-8	Isopropylbenzene	U	1	1.0	1	1	0.4
91-20-3	Naphthalene	U	1	1.0	1	1	0.4
1868-53-7	Dibromofluoromethane		105%				
17060-07-0	1,2-Dichloroethane-D4		103%				
2037-26-5	Toluene-D8		101%				
460-00-4	P-Bromofluorobenzene		102%				

Data File: \\Target_server\GG\chem\gcms-s.i\S062008.b\S1468.D
Report Date: 25-Jun-2008 15:54

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gcms-s.i\S062008.b\S1468.D
Lab Smp Id: WG52722-2 Client Smp ID: WG52722-Blank
Inj Date : 20-JUN-2008 09:49 MS Autotune Date: 21-NOV-2007 15:16
Operator : SKT Inst ID: gcms-s.i
Smp Info : WG52722-2
Misc Info : SW846 8260B
Comment :
Method : \\target_server\GG\chem\gcms-s.i\S062008.b\s826a58.m
Meth Date : 20-Jun-2008 08:05 tcote Quant Type: ISTD
Cal Date : 16-JUN-2008 13:32 Cal File: S1375.D
Als bottle: 4 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.12
Processing Host: V200T1

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)	REVIEW CODE
$ 37 Dibromofluoromethane	113	8.245	8.249	(0.904)	175637	52.5542	52.6	
* 42 Pentafluorobenzene	168	9.117	9.132	(1.000)	322069	50.0000		
$ 45 1,2-Dichloroethane-D4	65	9.128	9.132	(1.001)	197628	51.5354	51.5	
* 49 1,4-Difluorobenzene	114	9.838	9.842	(1.000)	495774	50.0000		
$ 55 Toluene-D8	98	11.396	11.400	(1.158)	506592	50.7335	50.7	
* 66 Chlorobenzene-D5	117	13.280	13.284	(1.000)	424651	50.0000		
$ 76 P-Bromofluorobenzene	95	14.874	14.878	(1.512)	220763	51.1329	51.1	
* 91 1,4-Dichlorobenzene-D4	152	16.420	16.424	(1.000)	224654	50.0000		

Data File: \\Target_server\GG\chem\gcms-s.i\S062008.b\S1468.D
Report Date: 25-Jun-2008 15:54

Katahdin Analytical Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcms-s.i
Lab File ID: S1468.D
Lab Smp Id: WG52722-2
Analysis Type: VOA
Quant Type: ISTD
Operator: SKT
Method File: \\target_server\GG\chem\gcms-s.i\S062008.b\s826a58.m
Misc Info: SW846 8260B

Calibration Date: 20-JUN-2008
Calibration Time: 07:52
Client Smp ID: WG52722-Blank
Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 4

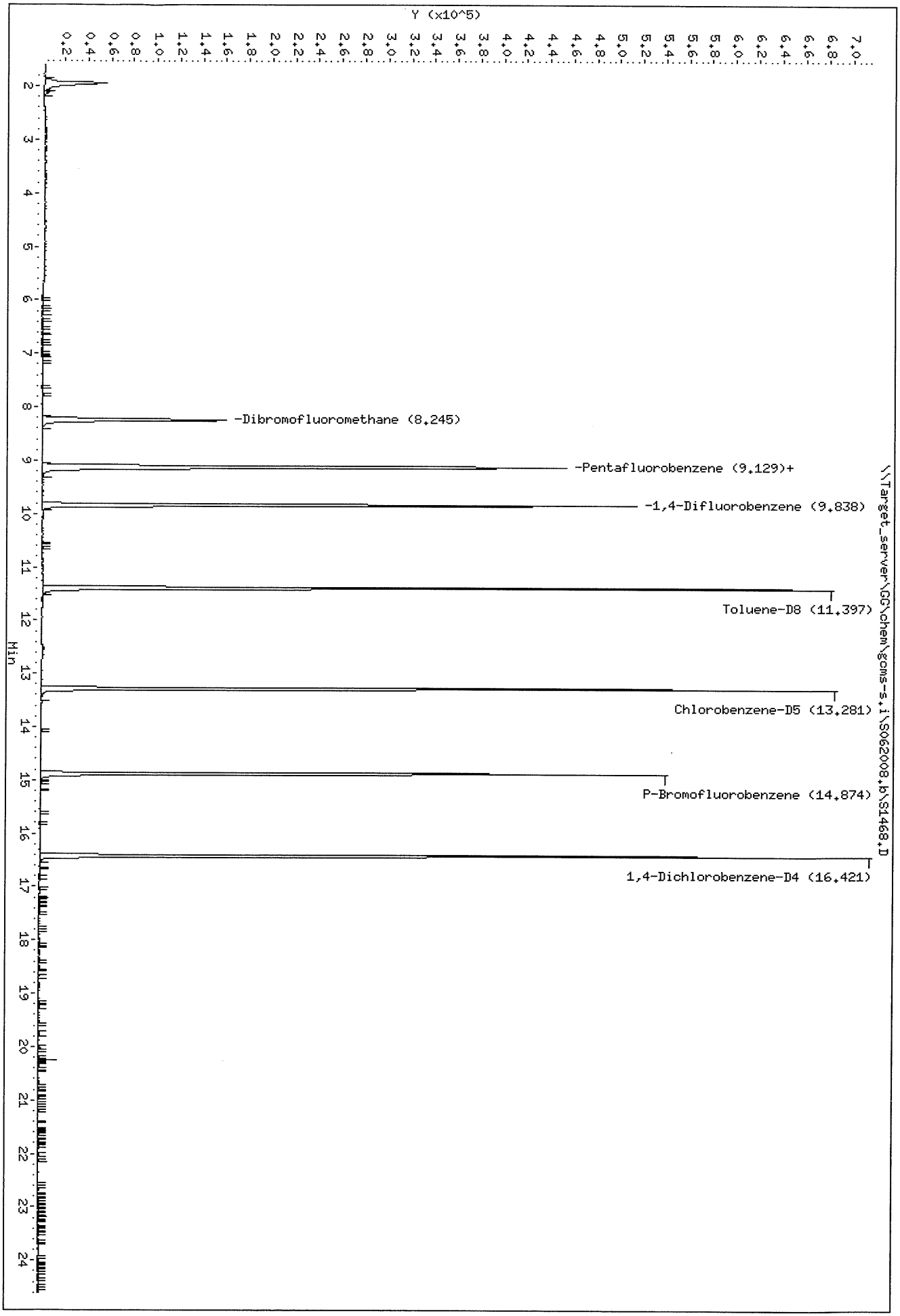
COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	334758	167379	669516	322069	-3.79
49 1,4-Difluorobenze	508159	254080	1016318	495774	-2.44
66 Chlorobenzene-D5	432696	216348	865392	424651	-1.86
91 1,4-Dichlorobenze	230694	115347	461388	224654	-2.62

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	9.12	8.62	9.62	9.12	-0.02
49 1,4-Difluorobenze	9.84	9.34	10.34	9.84	-0.02
66 Chlorobenzene-D5	13.28	12.78	13.78	13.28	-0.01
91 1,4-Dichlorobenze	16.42	15.92	16.92	16.42	-0.01

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.

Data File: \\Target_server\GC\chem\gcms-s.i\S062008.b\S1468.D
Date : 20-JUN-2008 09:49
Client ID: WG52722-Blank
Sample Info: WG52722-2

Instrument: gcms-s.i



KATAHDIN ANALYTICAL SERVICES
LAB CONTROL SAMPLE

Client:
Project: CTO 426 NLON
PO No:
Sample Date:
Received Date:
Extraction Date:
Analysis Date: 06/18/08
Report Date: 06/26/2008
Matrix: WATER

Lab ID: WG52642-1
Client ID: WG52642-LCS
SDG: CTO426-3
Extracted by:
Extraction Method: SW846 5030
Analyst: TTC
Analysis Method: SW846 8260B
Lab Prep Batch: WG52642
Units: ug/l

COMPOUND	LCS SPIKE	SAMPLE CONC.	LCS CONC.		%REC.	QC. LIMITS
Dichlorodifluoromethane	50	NA	15		30	20-143
Chloromethane	50	NA	23		46	34-132
Vinyl chloride	50	NA	26		53	48-136
Bromomethane	50	NA	34		69	52-129
Chloroethane	50	NA	38		75	43-146
Trichlorofluoromethane	50	NA	52		103	62-157
Diethyl Ether	50	NA	52		104	74-141
Tertiary-butyl alcohol	250	NA	228		91	10-152
1,1-Dichloroethene	50	NA	46		91	64-126
Carbon Disulfide	50	NA	50		99	59-136
Freon-113	50	NA	51		103	78-140
Iodomethane	50	NA	57	*	114	54-107
Acrolein	250	NA	242		97	42-156
Methylene Chloride	50	NA	44		89	63-122
Acetone	50	NA	49		97	15-160
Isobutyl Alcohol	1000	NA	964		96	10-169
trans-1,2-Dichloroethene	50	NA	47		93	65-128
Allyl Chloride	50	NA	56		111	64-150
Methyl tert-butyl ether	100	NA	110		110	71-140
Acetonitrile	500	NA	518		104	40-164
Di-isopropyl ether	50	NA	52		104	77-135
Chloroprene	50	NA	54		109	82-133
Methacrylonitrile	500	NA	569		114	69-146
Propionitrile	500	NA	532		106	51-161
1,1-Dichloroethane	50	NA	53		106	74-135
Acrylonitrile	250	NA	261		104	67-144
Ethyl tertiary-butyl ether	50	NA	52		104	79-136
Vinyl Acetate	50	NA	54		109	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	48		95	71-136
2,2-Dichloropropane	50	NA	63		126	55-140
Bromochloromethane	50	NA	57		114	80-132
Chloroform	50	NA	56		111	80-125
Carbon Tetrachloride	50	NA	54		109	76-123
Tetrahydrofuran	50	NA	44		88	38-157
1,1,1-Trichloroethane	50	NA	54		109	79-125
1,1-Dichloropropene	50	NA	51		101	80-125
2-Butanone	50	NA	50		100	45-184
Benzene	50	NA	49		98	71-125
Cyclohexane	50	NA	62		125	57-128
Ethyl Methacrylate	50	NA	43		86	73-134
Tertiary-amyl methyl ether	50	NA	48		96	78-133
1,2-Dichloroethane	50	NA	58		116	75-125
Trichloroethene	50	NA	52		103	78-118

Katahdin Analytical Services 1000237

KATAHDIN ANALYTICAL SERVICES
LAB CONTROL SAMPLE

Client:
Project: CTO 426 NLON
PO No:
Sample Date:
Received Date:
Extraction Date:
Analysis Date: 06/18/08
Report Date: 06/26/2008
Matrix: WATER

Lab ID: WG52642-1
Client ID: WG52642-LCS
SDG: CTO426-3
Extracted by:
Extraction Method: SW846 5030
Analyst: TTC
Analysis Method: SW846 8260B
Lab Prep Batch: WG52642
Units: ug/l

COMPOUND	LCS SPIKE	SAMPLE CONC.	LCS CONC.	%REC.	QC. LIMITS
Dibromomethane	50	NA	51	102	73-125
1,2-Dichloropropane	50	NA	49	98	78-127
Bromodichloromethane	50	NA	52	105	76-118
cis-1,3-dichloropropene	50	NA	54	107	84-125
1,4-Dioxane	1000	NA	503	50	10-178
2-Chloroethylvinylether	50	NA	45	90	20-191
Toluene	50	NA	50	100	79-118
4-methyl-2-pentanone	50	NA	48	97	44-157
Tetrachloroethene	50	NA	51	103	71-137
trans-1,3-Dichloropropene	50	NA	59	118	89-137
1,1,2-Trichloroethane	50	NA	49	98	76-125
Dibromochloromethane	50	NA	51	103	77-119
1,3-Dichloropropane	50	NA	52	105	79-122
1,2-Dibromoethane	50	NA	48	96	78-124
2-Hexanone	50	NA	45	90	27-182
Chlorobenzene	50	NA	50	99	81-118
Ethylbenzene	50	NA	50	101	80-115
1,1,1,2-Tetrachloroethane	50	NA	51	101	79-118
Xylenes (total)	150	NA	154	103	85-114
m+p-Xylenes	100	NA	104	104	87-113
o-Xylene	50	NA	51	102	80-118
Styrene	50	NA	48	96	81-116
Bromoform	50	NA	49	99	69-129
Isopropylbenzene	50	NA	52	105	87-129
cis-1,4-Dichloro-2-Butene	50	NA	53	106	60-133
trans-1,4-Dichloro-2-Butene	50	NA	56	113	67-134
Bromobenzene	50	NA	48	95	83-112
N-Propylbenzene	50	NA	53	106	79-121
1,1,2,2-Tetrachloroethane	50	NA	46	92	68-133
1,3,5-Trimethylbenzene	50	NA	52	103	80-117
2-Chlorotoluene	50	NA	49	99	86-113
1,2,3-Trichloropropane	50	NA	49	98	63-133
4-Chlorotoluene	50	NA	52	103	84-117
tert-Butylbenzene	50	NA	49	97	78-122
Pentachloroethane	50	NA	39	79	64-135
1,2,4-Trimethylbenzene	50	NA	47	93	78-116
P-Isopropyltoluene	50	NA	48	96	79-123
1,3-Dichlorobenzene	50	NA	48	96	86-111
1,4-Dichlorobenzene	50	NA	47	94	78-118
N-Butylbenzene	50	NA	52	104	76-119
sec-Butylbenzene	50	NA	51	101	77-121
1,2-Dichlorobenzene	50	NA	46	91	86-113
1,2-Dibromo-3-Chloropropane	50	NA	47	93	63-133
1,3,5-Trichlorobenzene	50	NA	43	87	84-118
Hexachlorobutadiene	50	NA	42	84	70-114

KATAHDIN ANALYTICAL SERVICES
LAB CONTROL SAMPLE

Client:
Project: CTO 426 NLON
PO No:
Sample Date:
Received Date:
Extraction Date:
Analysis Date: 06/18/08
Report Date: 06/26/2008
Matrix: WATER

Lab ID: WG52642-1
Client ID: WG52642-LCS
SDG: CTO426-3
Extracted by:
Extraction Method: SW846 5030
Analyst: TTC
Analysis Method: SW846 8260B
Lab Prep Batch: WG52642
Units: ug/l

COMPOUND	LCS SPIKE	SAMPLE CONC.	LCS CONC.	%REC.	QC. LIMITS
1,2,4-Trichlorobenzene	50	NA	43	86	74-116
1,2,3-Trimethylbenzene	50	NA	48	96	85-124
Naphthalene	50	NA	39	77	64-121
1,2,3-Trichlorobenzene	50	NA	39	78	73-117
Methyl Acetate	50	NA	52	104	52-142
Methylcyclohexane	50	NA	51	102	83-125
1-Chlorohexane	50	NA	50	100	78-128
Total Alkylbenzenes	350	NA	350	100	60-140

Katahdin Analytical Services 1000239

Data File: \\Target_server\GG\chem\gcms-f.i\F061808.b\F0961.D
Report Date: 25-Jun-2008 14:37

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gcms-f.i\F061808.b\F0961.D
Lab Smp Id: WG52642-1 Client Smp ID: WG52642-LCS
Inj Date : 18-JUN-2008 12:08 MS Autotune Date: 01-JAN-1990 15:37
Operator : TTC Inst ID: gcms-f.i
Smp Info : WG52642-1
Misc Info : SW846 8260B
Comment :
Method : \\Target_server\GG\chem\gcms-f.i\F061808.b\F826a08.m
Meth Date : 18-Jun-2008 10:55 tcote Quant Type: ISTD
Cal Date : 13-JUN-2008 17:40 Cal File: F0839.D
Als bottle: 4 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.12
Processing Host: MIS_2

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)	REVIEW CODE
1 Dichlorodifluoromethane	85	1.887	1.883	(0.221)	63150	15.1979	15.2	
2 Chloromethane	50	2.084	2.080	(0.244)	158666	22.8589	22.8	
3 Vinyl chloride	62	2.166	2.161	(0.254)	151501	26.4201	26.4	
4 Bromomethane	94	2.502	2.498	(0.293)	104312	34.4645	34.5	
5 Chloroethane	64	2.642	2.626	(0.309)	122518	37.5269	37.5	
6 Trichlorofluoromethane	101	2.792	2.777	(0.327)	227500	51.5171	51.5	
7 Diethyl Ether	59	3.141	3.125	(0.368)	204017	51.8820	51.9	
8 Tertiary-butyl alcohol	59	4.719	4.704	(0.553)	65559	228.380	228	
9 1,1-Dichloroethene	96	3.361	3.346	(0.394)	169058	45.6361	45.6	
10 Carbon Disulfide	76	3.384	3.380	(0.396)	551604	49.5643	49.6	
11 Freon-113	151	3.419	3.404	(0.401)	127147	51.3117	51.3	
12 Iodomethane	142	3.535	3.520	(0.414)	287763	56.7793	56.8(R)	
13 Acrolein	56	3.791	3.775	(0.444)	199793	242.124	242	
14 Methylene Chloride	84	4.104	4.089	(0.481)	239651	44.4714	44.5	
15 Acetone	43	4.208	4.192	(0.493)	73820	48.6619	48.7	
16 Isobutyl Alcohol	43	8.886	8.872	(1.041)	139169	963.656	964	
17 trans-1,2-Dichloroethene	96	4.336	4.320	(0.508)	225648	46.6577	46.6	
18 Allyl Chloride	41	3.965	3.949	(0.464)	478886	55.6046	55.6	
19 Methyl tert-butyl ether	73	4.522	4.507	(0.530)	1329527	109.740	110	
20 Acetonitrile	39	4.893	4.866	(0.573)	81057	517.752	518	
21 Di-isopropyl ether	45	5.172	5.145	(0.606)	1065043	52.1962	52.2	
22 Chloroprene	53	5.276	5.261	(0.618)	428208	54.2876	54.3	
23 Propionitrile	54	8.363	8.337	(0.980)	359801	532.592	532	

Data File: \\Target_server\GG\chem\gcms-f.i\F061808.b\F0961.D
Report Date: 25-Jun-2008 14:37

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	CONCENTRATIONS FINAL (ug/l)	REVIEW CODE
	24 Methacrylonitrile	41	8.398	8.372	(0.984)	2134517	569.081	569	
	25 1,1-Dichloroethane	63	5.323	5.296	(0.623)	466096	52.7844	52.8	
	26 Acrylonitrile	52	5.427	5.412	(0.636)	451522	261.366	261	
	27 Ethyl tertiary-butyl ether	59	5.845	5.818	(0.685)	808612	52.0368	52.0	
	28 Vinyl Acetate	43	5.856	5.830	(0.626)	661482	54.3280	54.3	
	29 cis-1,2-Dichloroethene	96	6.367	6.341	(0.746)	235878	47.0503	47.0	
M	30 1,2-Dichloroethylene (total)	96				461526	93.7080	93.7	
	31 Methyl Methacrylate	41	10.348	10.335	(1.105)	231413	47.5151	47.5	
	32 2,2-Dichloropropane	77	6.588	6.561	(0.772)	293582	63.1735	63.2	
	33 Bromochloromethane	128	6.785	6.759	(0.795)	119864	57.1361	57.1	
	34 Chloroform	83	7.017	6.991	(0.822)	412648	55.5000	55.5	
	35 Carbon Tetrachloride	117	7.261	7.235	(0.776)	236677	54.3950	54.4	
	36 Tetrahydrofuran	42	7.377	7.339	(0.864)	63987	44.0882	44.1	
$	37 Dibromofluoromethane	113	7.435	7.409	(0.871)	222977	43.5281	43.5	
	38 1,1,1-Trichloroethane	97	7.435	7.409	(0.871)	301585	54.2967	54.3	
	39 1,1-Dichloropropene	75	7.725	7.699	(0.825)	285390	50.6196	50.6	
	40 2-Butanone	43	7.771	7.746	(0.910)	123072	50.1783	50.2	
	41 Benzene	78	8.247	8.233	(0.881)	923322	48.7507	48.8	
*	42 Pentafluorobenzene	168	8.537	8.512	(1.000)	450633	50.0000		
	43 Cyclohexane	56	6.762	6.736	(0.792)	355617	62.4994	62.5	
	44 Ethyl Methacrylate	69	11.787	11.774	(1.259)	264693	43.2490	43.2	
$	45 1,2-Dichloroethane-D4	65	8.526	8.500	(0.999)	288355	49.8401	49.8	
	46 Tertiary-amyl methyl ether	73	8.572	8.558	(1.004)	612286	47.8423	47.8	
	47 1,2-Dichloroethane	62	8.642	8.628	(0.923)	343227	58.0515	58.0	
	48 Trichloroethene	95	9.269	9.255	(0.990)	233972	51.4786	51.5	
*	49 1,4-Difluorobenzene	114	9.361	9.348	(1.000)	711828	50.0000		
	50 Dibromomethane	93	9.849	9.835	(1.052)	138623	51.2299	51.2	
	51 1,2-Dichloropropane	63	9.988	9.975	(1.067)	240587	49.0013	49.0	
	52 Bromodichloromethane	83	10.093	10.079	(1.078)	306267	52.5433	52.5	
	53 cis-1,3-dichloropropene	75	10.847	10.834	(1.159)	387651	53.5028	53.5	
	54 1,4-Dioxane	88	10.360	10.346	(1.107)	27455	502.867	503	
$	55 Toluene-D8	98	11.044	11.031	(1.180)	840481	45.0442	45.0	
	56 2-Chloroethylvinylether	63	10.812	10.799	(1.155)	143701	45.0257	45.0	
	57 Toluene	92	11.091	11.078	(1.185)	566062	49.7531	49.8	
	58 4-methyl-2-pentanone	43	11.543	11.530	(1.233)	245490	48.5013	48.5	
	59 Tetrachloroethene	164	11.509	11.484	(0.894)	204193	51.3844	51.4	
	60 trans-1,3-Dichloropropene	75	11.567	11.554	(1.236)	355059	59.2501	59.2	
	61 1,1,2-Trichloroethane	83	11.741	11.728	(1.254)	166330	48.9666	49.0	
	62 Dibromochloromethane	129	11.950	11.925	(0.929)	208266	51.3320	51.3	
	63 1,3-Dichloropropane	76	12.066	12.041	(0.938)	372645	52.4657	52.5	
	64 1,2-Dibromoethane	107	12.217	12.204	(1.305)	198186	48.2306	48.2	
	65 2-Hexanone	43	12.553	12.540	(0.976)	139969	45.2571	45.2	
*	66 Chlorobenzene-D5	117	12.866	12.854	(1.000)	590487	50.0000		
	67 Chlorobenzene	112	12.890	12.877	(1.002)	623650	49.6926	49.7	
	152 1-Chlorohexane	91	12.890	12.877	(1.510)	280402	50.1257	50.1	
	68 Ethylbenzene	106	12.936	12.923	(1.005)	310728	50.3933	50.4	
	69 1,1,1,2-Tetrachloroethane	131	12.971	12.958	(1.008)	202311	50.7234	50.7	
M	70 Xylenes (total)	106				1131892	154.458	154	
	71 m+p-Xylenes	106	13.133	13.121	(1.021)	778853	103.649	104	
	72 o-Xylene	106	13.679	13.666	(1.063)	353039	50.8090	50.8	
	73 Styrene	104	13.749	13.736	(1.069)	659296	47.8419	47.8	
	74 Bromoform	173	13.760	13.748	(1.069)	134226	49.3861	49.4	
	75 Isopropylbenzene	105	14.097	14.073	(0.882)	835364	52.4304	52.4	
$	76 P-Bromofluorobenzene	95	14.445	14.433	(1.543)	314580	48.2453	48.2	

Data File: \\Target_server\GG\chem\gcms-f.i\F061808.b\F0961.D
Report Date: 25-Jun-2008 14:37

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	CONCENTRATIONS FINAL (ug/l)	REVIEW COD
77 cis-1,4-Dichloro-2-Butene	53	14.549	14.537	(0.910)	92141	53.0407	53.0	
78 trans-1,4-Dichloro-2-Butene	53	14.979	14.967	(0.937)	89032	56.3134	56.3	
79 Bromobenzene	156	14.584	14.572	(0.912)	225552	47.6679	47.7	
80 N-Propylbenzene	91	14.642	14.630	(0.916)	1011694	52.8362	52.8	
81 1,1,2,2-Tetrachloroethane	83	14.747	14.723	(0.922)	228063	46.1649	46.2	
82 1,3,5-Trimethylbenzene	105	14.921	14.909	(0.933)	670078	51.6932	51.7	
83 2-Chlorotoluene	91	14.840	14.827	(0.928)	631069	49.3075	49.3	
84 1,2,3-Trichloropropane	75	14.909	14.897	(0.932)	202868	49.1649	49.2	
85 4-Chlorotoluene	91	15.072	15.060	(0.943)	679883	51.7256	51.7	
86 tert-Butylbenzene	119	15.350	15.338	(0.960)	546163	48.5781	48.6	
87 Pentachloroethane	117	15.362	15.350	(0.961)	100105	39.2714	39.3	
88 1,2,4-Trimethylbenzene	105	15.455	15.443	(0.967)	698385	46.6167	46.6	
89 P-Isopropyltoluene	119	15.814	15.803	(0.989)	579477	48.0563	48.0	
90 1,3-Dichlorobenzene	146	15.884	15.861	(0.993)	392189	48.1726	48.2	
* 91 1,4-Dichlorobenzene-D4	152	15.989	15.977	(1.000)	290758	50.0000		
92 1,4-Dichlorobenzene	146	16.012	16.000	(1.001)	417491	47.1606	47.2	
93 N-Butylbenzene	91	16.406	16.395	(1.026)	506361	51.9884	52.0	
94 sec-Butylbenzene	105	15.606	15.582	(0.976)	728522	50.6081	50.6	
95 1,2-Dichlorobenzene	146	16.604	16.591	(1.038)	353409	45.6161	45.6	
96 1,2-Dibromo-3-Chloropropane	75	17.776	17.765	(1.112)	32296	46.7193	46.7	
97 1,3,5-Trichlorobenzene	180	17.834	17.823	(1.115)	204520	43.3200	43.3	
98 Hexachlorobutadiene	225	18.786	18.763	(1.175)	70303	42.1818	42.2	
99 1,2,4-Trichlorobenzene	180	18.797	18.786	(1.176)	178278	42.7815	42.8	
100 1,2,3-Trimethylbenzene	105	16.058	16.046	(1.004)	722773	47.9603	48.0	
101 Naphthalene	128	19.296	19.286	(1.207)	329546	38.6637	38.7	
102 1,2,3-Trichlorobenzene	180	19.575	19.564	(1.224)	127721	39.0877	39.1	
103 Methyl Acetate	43	4.394	4.379	(0.515)	261874	52.1380	52.1	
104 Methylcyclohexane	83	9.234	9.220	(1.082)	234257	51.0890	51.1	
M 153 Total Alkylbenzenes	100				4740680	350.377	350	

QC Flag Legend

R - Spike/Surrogate failed recovery limits.

Data File: \\Target_server\GG\chem\gcms-f.i\F061808.b\F0961.D
Report Date: 25-Jun-2008 14:37

Katahdin Analytical Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcms-f.i
Lab File ID: F0961.D
Lab Smp Id: WG52642-1
Analysis Type: VOA
Quant Type: ISTD
Operator: TTC
Method File: \\Target_server\GG\chem\gcms-f.i\F061808.b\F826a08.m
Misc Info: SW846 8260B

Calibration Date: 18-JUN-2008
Calibration Time: 10:31
Client Smp ID: WG52642-LCS
Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 4

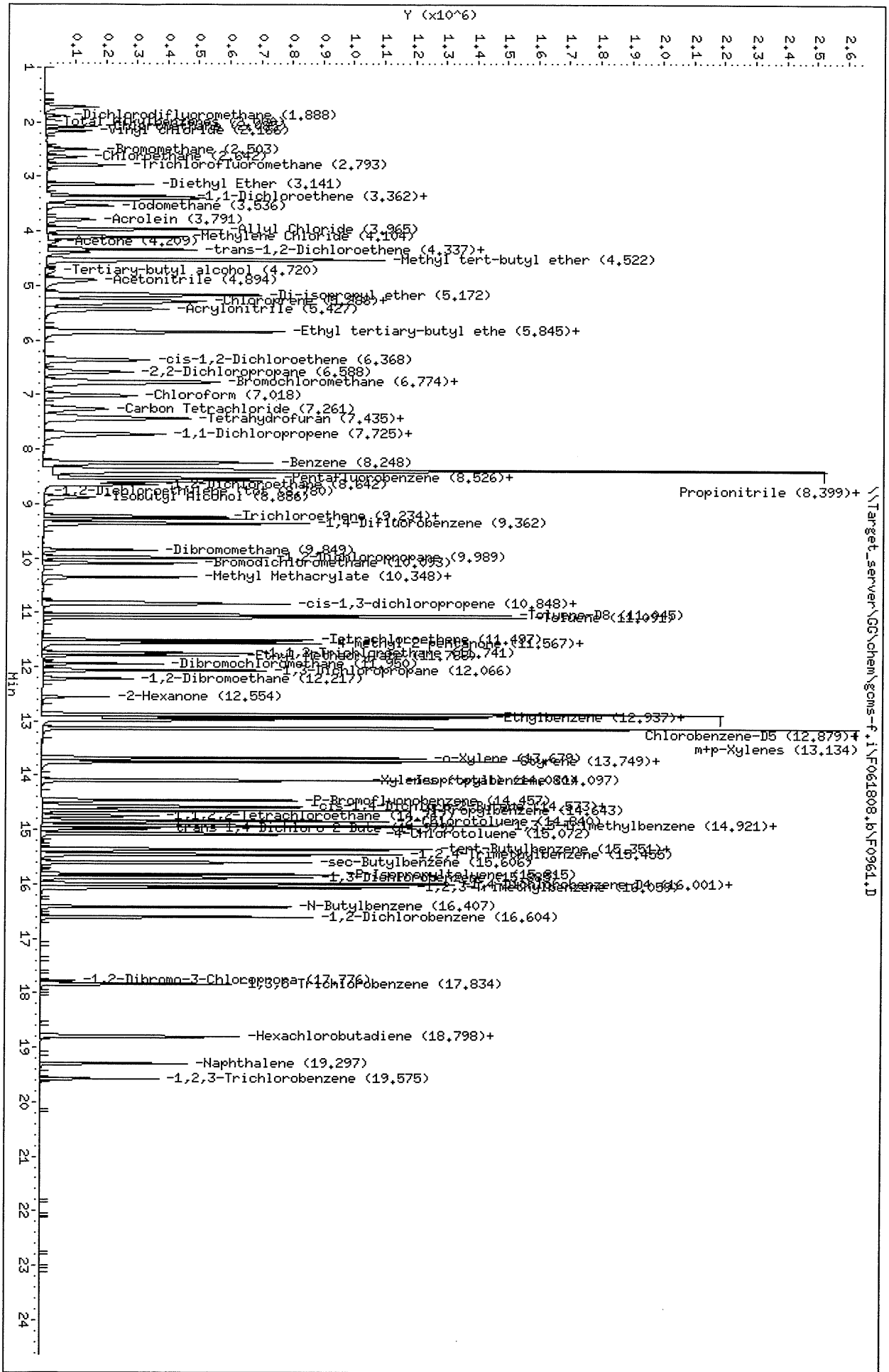
COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	438882	219441	877764	450633	2.68
49 1,4-Difluorobenze	678902	339451	1357804	711828	4.85
66 Chlorobenzene-D5	580047	290024	1160094	590487	1.80
91 1,4-Dichlorobenze	292252	146126	584504	290758	-0.51

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	8.53	8.03	9.03	8.54	0.08
49 1,4-Difluorobenze	9.37	8.87	9.87	9.36	-0.05
66 Chlorobenzene-D5	12.87	12.37	13.37	12.87	-0.04
91 1,4-Dichlorobenze	15.99	15.49	16.49	15.99	-0.03

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.

Data File: \\Target_server\GC\chem\gcms-f.i\F061808.b\F0961.D
Date : 18-JUN-2008 12:08
Client ID: WG52642-LCS
Sample Info: WG52642-1
Purge Volume: 5.0
Column phase: RTX-VMS

Instrument: gcms-f.i
Operator: TTC
Column diameter: 0.18



KATAHDIN ANALYTICAL SERVICES
LAB CONTROL SAMPLE

Client:
Project: CTO 426 NLON
PO No:
Sample Date:
Received Date:
Extraction Date:
Analysis Date: 06/18/08
Report Date: 06/26/2008
Matrix: WATER

Lab ID: WG52635-1
Client ID: WG52635-LCS
SDG: CTO426-3
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG52635
Units: ug/l

COMPOUND	LCS SPIKE	SAMPLE CONC.	LCS CONC.		%REC.	QC. LIMITS
Dichlorodifluoromethane	50	NA	16		33	20-143
Chloromethane	50	NA	25		50	34-132
Vinyl chloride	50	NA	28		55	48-136
Bromomethane	50	NA	36		72	52-129
Chloroethane	50	NA	35		70	43-146
Trichlorofluoromethane	50	NA	48		97	62-157
Diethyl Ether	50	NA	54		107	74-141
Tertiary-butyl alcohol	250	NA	207		83	10-152
1,1-Dichloroethene	50	NA	48		95	64-126
Carbon Disulfide	50	NA	51		102	59-136
Freon-113	50	NA	56		112	78-140
Iodomethane	50	NA	61	*	122	54-107
Acrolein	250	NA	262		105	42-156
Methylene Chloride	50	NA	50		100	63-122
Acetone	50	NA	44		87	15-160
Isobutyl Alcohol	1000	NA	718		72	10-169
trans-1,2-Dichloroethene	50	NA	51		101	65-128
Allyl Chloride	50	NA	52		104	64-150
Methyl tert-butyl ether	100	NA	111		111	71-140
Acetonitrile	500	NA	469		94	40-164
Di-isopropyl ether	50	NA	49		99	77-135
Chloroprene	50	NA	53		106	82-133
Methacrylonitrile	500	NA	532		106	69-146
Propionitrile	500	NA	484		97	51-161
1,1-Dichloroethane	50	NA	50		100	74-135
Acrylonitrile	250	NA	244		98	67-144
Ethyl tertiary-butyl ether	50	NA	50		100	79-136
Vinyl Acetate	50	NA	54		108	57-139
cis-1,2-Dichloroethene	50	NA	47		95	75-117
1,2-Dichloroethylene (total)	100	NA	98		98	72-121
Methyl Methacrylate	50	NA	52		105	71-136
2,2-Dichloropropane	50	NA	54		107	55-140
Bromochloromethane	50	NA	55		110	80-132
Chloroform	50	NA	55		110	80-125
Carbon Tetrachloride	50	NA	55		110	76-123
Tetrahydrofuran	50	NA	45		90	38-157
1,1,1-Trichloroethane	50	NA	53		106	79-125
1,1-Dichloropropene	50	NA	50		101	80-125
2-Butanone	50	NA	44		87	45-184
Benzene	50	NA	45		90	71-125
Cyclohexane	50	NA	53		105	57-128
Ethyl Methacrylate	50	NA	50		100	73-134
Tertiary-amyl methyl ether	50	NA	48		96	78-133
1,2-Dichloroethane	50	NA	54		108	75-125
Trichloroethene	50	NA	49		97	78-118

KATAHDIN ANALYTICAL SERVICES
LAB CONTROL SAMPLE

Client:
Project: CTO 426 NLON
PO No:
Sample Date:
Received Date:
Extraction Date:
Analysis Date: 06/18/08
Report Date: 06/26/2008
Matrix: WATER

Lab ID: WG52635-1
Client ID: WG52635-LCS
SDG: CTO426-3
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG52635
Units: ug/l

COMPOUND	LCS SPIKE	SAMPLE CONC.	LCS CONC.	%REC.	QC. LIMITS
Dibromomethane	50	NA	52	104	73-125
1,2-Dichloropropane	50	NA	49	98	78-127
Bromodichloromethane	50	NA	52	104	76-118
cis-1,3-dichloropropene	50	NA	49	99	84-125
1,4-Dioxane	1000	NA	613	61	10-178
2-Chloroethylvinylether	50	NA	46	92	20-191
Toluene	50	NA	48	96	79-118
4-methyl-2-pentanone	50	NA	50	101	44-157
Tetrachloroethene	50	NA	47	94	71-137
trans-1,3-Dichloropropene	50	NA	58	117	89-137
1,1,2-Trichloroethane	50	NA	50	99	76-125
Dibromochloromethane	50	NA	56	112	77-119
1,3-Dichloropropane	50	NA	48	97	79-122
1,2-Dibromoethane	50	NA	50	100	78-124
2-Hexanone	50	NA	47	94	27-182
Chlorobenzene	50	NA	50	101	81-118
Ethylbenzene	50	NA	51	102	80-115
1,1,1,2-Tetrachloroethane	50	NA	53	105	79-118
Xylenes (total)	150	NA	159	106	85-114
m+p-Xylenes	100	NA	105	105	87-113
o-Xylene	50	NA	54	107	80-118
Styrene	50	NA	53	107	81-116
Bromoform	50	NA	55	110	69-129
Isopropylbenzene	50	NA	60	119	87-129
cis-1,4-Dichloro-2-Butene	50	NA	57	115	60-133
trans-1,4-Dichloro-2-Butene	50	NA	52	104	67-134
Bromobenzene	50	NA	51	101	83-112
N-Propylbenzene	50	NA	53	105	79-121
1,1,2,2-Tetrachloroethane	50	NA	51	103	68-133
1,3,5-Trimethylbenzene	50	NA	50	101	80-117
2-Chlorotoluene	50	NA	50	101	86-113
1,2,3-Trichloropropane	50	NA	49	98	63-133
4-Chlorotoluene	50	NA	51	101	84-117
tert-Butylbenzene	50	NA	51	102	78-122
Pentachloroethane	50	NA	52	104	64-135
1,2,4-Trimethylbenzene	50	NA	47	95	78-116
P-Isopropyltoluene	50	NA	54	108	79-123
1,3-Dichlorobenzene	50	NA	51	103	86-111
1,4-Dichlorobenzene	50	NA	49	98	78-118
N-Butylbenzene	50	NA	52	103	76-119
sec-Butylbenzene	50	NA	51	103	77-121
1,2-Dichlorobenzene	50	NA	49	98	86-113
1,2-Dibromo-3-Chloropropane	50	NA	51	102	63-133
1,3,5-Trichlorobenzene	50	NA	50	100	84-118
Hexachlorobutadiene	50	NA	54	108	70-114

KATAHDIN ANALYTICAL SERVICES
LAB CONTROL SAMPLE

Client:
Project: CTO 426 NLON
PO No:
Sample Date:
Received Date:
Extraction Date:
Analysis Date: 06/18/08
Report Date: 06/26/2008
Matrix: WATER

Lab ID: WG52635-1
Client ID: WG52635-LCS
SDG: CTO426-3
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG52635
Units: ug/l

COMPOUND	LCS SPIKE	SAMPLE CONC.	LCS CONC.	%REC.	QC. LIMITS
1,2,4-Trichlorobenzene	50	NA	53	107	74-116
1,2,3-Trimethylbenzene	50	NA	46	92	85-124
Naphthalene	50	NA	49	98	64-121
1,2,3-Trichlorobenzene	50	NA	50	100	73-117
Methyl Acetate	50	NA	50	100	52-142
Methylcyclohexane	50	NA	51	103	83-125
1-Chlorohexane	50	NA	50	99	78-128
Total Alkylbenzenes	350	NA	358	102	60-140

Data File: \\Target_server\GG\chem\gcms-s.i\S061808.b\S1416.D
Report Date: 25-Jun-2008 15:40

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gcms-s.i\S061808.b\S1416.D
Lab Smp Id: WG52635-1 Client Smp ID: WG52635-LCS
Inj Date : 18-JUN-2008 10:00 MS Autotune Date: 21-NOV-2007 15:16
Operator : SKT Inst ID: gcms-s.i
Smp Info : WG52635-1
Misc Info : SW846 8260B
Comment :
Method : \\Target_server\GG\chem\gcms-s.i\S061808.b\s826a58.m
Meth Date : 18-Jun-2008 12:04 gcms-s.i Quant Type: ISTD
Cal Date : 16-JUN-2008 13:32 Cal File: S1375.D
Als bottle: 2 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.12
Processing Host: MIS_2

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)	REVIEW CODE
1 Dichlorodifluoromethane	85	2.118	2.120	(0.232)	49712	16.3196	16.3	
2 Chloromethane	50	2.339	2.341	(0.256)	95339	24.7593	24.8	
3 Vinyl chloride	62	2.432	2.434	(0.266)	91225	27.7355	27.7	
4 Bromomethane	94	2.816	2.817	(0.308)	50929	35.9627	36.0	
5 Chloroethane	64	2.967	2.969	(0.325)	58672	35.0197	35.0	
6 Trichlorofluoromethane	101	3.130	3.131	(0.343)	157145	48.5265	48.5	
7 Diethyl Ether	59	3.537	3.527	(0.387)	104318	53.7039	53.7	
8 Tertiary-butyl alcohol	59	5.374	5.376	(0.589)	39366	206.708	207	
9 1,1-Dichloroethene	96	3.793	3.783	(0.415)	99107	47.6766	47.7	
10 Carbon Disulfide	76	3.816	3.818	(0.418)	324958	50.8953	50.9	
11 Freon-113	151	3.851	3.853	(0.422)	89490	55.9964	56.0	
12 Iodomethane	142	3.979	3.980	(0.436)	129188	60.9049	60.9(R)	
13 Acrolein	56	4.281	4.283	(0.469)	115949	261.738	262	
14 Methylene Chloride	84	4.653	4.655	(0.510)	132100	49.7628	49.8	
15 Acetone	43	4.758	4.760	(0.521)	41909	43.7226	43.7	
16 Isobutyl Alcohol	43	9.433	9.423	(1.033)	64322	717.703	718	
17 trans-1,2-Dichloroethene	96	4.909	4.911	(0.538)	122919	50.5832	50.6	
18 Allyl Chloride	41	4.479	4.481	(0.491)	229105	52.1631	52.2	
19 Methyl tert-butyl ether	73	5.119	5.120	(0.561)	755831	110.952	111	
20 Acetonitrile	39	5.561	5.574	(0.609)	31164	468.869	469	
21 Di-isopropyl ether	45	5.851	5.841	(0.641)	522115	49.3601	49.4	
22 Chloroprene	53	5.991	5.981	(0.656)	244190	52.9211	52.9	
23 Propionitrile	54	9.003	9.005	(0.986)	169926	484.205	484	

Data File: \\Target_server\GG\chem\gcms-s.i\S061808.b\S1416.D
Report Date: 25-Jun-2008 15:40

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	CONCENTRATIONS FINAL (ug/l)	REVIEW CODE
	24 Methacrylonitrile	41	9.026	9.028	(0.989)	1053563	531.647	532	
	25 1,1-Dichloroethane	63	6.037	6.027	(0.661)	250578	50.1322	50.1	
	26 Acrylonitrile	52	6.165	6.167	(0.675)	213094	244.228	244	
	27 Ethyl tertiary-butyl ether	59	6.630	6.620	(0.726)	474173	49.7987	49.8	
	28 Vinyl Acetate	43	6.654	6.644	(0.676)	395680	54.0704	54.1	
	29 cis-1,2-Dichloroethene	96	7.235	7.225	(0.792)	138298	47.3116	47.3	
M	30 1,2-Dichloroethylene (total)	96				261217	97.8948	97.9	
	31 Methyl Methacrylate	41	10.724	10.726	(1.090)	147015	52.3793	52.4	
	32 2,2-Dichloropropane	77	7.456	7.458	(0.817)	210737	53.4975	53.5	
	33 Bromochloromethane	128	7.677	7.667	(0.841)	75822	55.0254	55.0	
	34 Chloroform	83	7.886	7.876	(0.864)	261836	54.7699	54.8	
	35 Carbon Tetrachloride	117	8.096	8.086	(0.823)	177873	54.8843	54.9	
	36 Tetrahydrofuran	42	8.200	8.189	(0.898)	34863	44.8043	44.8	
$	37 Dibromofluoromethane	113	8.259	8.249	(0.904)	155417	51.0783	51.1	
	38 1,1,1-Trichloroethane	97	8.247	8.237	(0.903)	201285	53.1291	53.1	
	39 1,1-Dichloropropene	75	8.491	8.481	(0.863)	191132	50.4773	50.5	
	40 2-Butanone	43	8.538	8.528	(0.935)	62668	43.6536	43.6	
	41 Benzene	78	8.910	8.900	(0.905)	483459	44.8291	44.8	
*	42 Pentafluorobenzene	168	9.131	9.132	(1.000)	293226	50.0000		
	43 Cyclohexane	56	7.631	7.621	(0.836)	191705	52.7171	52.7	
	44 Ethyl Methacrylate	69	12.166	12.168	(1.236)	167527	50.2027	50.2	
$	45 1,2-Dichloroethane-D4	65	9.142	9.132	(1.001)	170489	48.8315	48.8	
	46 Tertiary-amyl methyl ether	73	9.166	9.167	(1.004)	373685	48.2477	48.2	
	47 1,2-Dichloroethane	62	9.236	9.237	(0.939)	229106	54.1745	54.2	
	48 Trichloroethene	95	9.771	9.772	(0.993)	137965	48.6883	48.7	
*	49 1,4-Difluorobenzene	114	9.840	9.842	(1.000)	452339	50.0000		
	50 Dibromomethane	93	10.294	10.295	(1.046)	103593	52.1993	52.2	
	51 1,2-Dichloropropane	63	10.410	10.412	(1.058)	133377	49.2077	49.2	
	52 Bromodichloromethane	83	10.515	10.505	(1.069)	210085	52.0593	52.0	
	53 cis-1,3-dichloropropene	75	11.201	11.203	(1.138)	231759	49.4015	49.4	
	54 1,4-Dioxane	88	10.759	10.761	(1.093)	17419	613.195	613	
$	55 Toluene-D8	98	11.399	11.400	(1.158)	464595	50.9954	51.0	
	56 2-Chloroethylvinylether	63	11.154	11.156	(1.134)	57304	46.1928	46.2	
	57 Toluene	92	11.457	11.458	(1.164)	319989	48.1626	48.2	
	58 4-methyl-2-pentanone	43	11.922	11.924	(1.212)	149603	50.4476	50.4	
	59 Tetrachloroethene	164	11.899	11.889	(0.895)	113763	47.2036	47.2	
	60 trans-1,3-Dichloropropene	75	11.957	11.958	(1.215)	233860	58.2814	58.3	
	61 1,1,2-Trichloroethane	83	12.155	12.145	(1.235)	102903	49.6524	49.6	
	62 Dibromochloromethane	129	12.364	12.366	(0.930)	176359	55.7556	55.8	
	63 1,3-Dichloropropane	76	12.480	12.482	(0.939)	206242	48.5489	48.5	
	64 1,2-Dibromoethane	107	12.643	12.645	(1.285)	145159	50.0076	50.0	
	65 2-Hexanone	43	12.957	12.947	(0.975)	101309	47.0223	47.0	
*	66 Chlorobenzene-D5	117	13.294	13.284	(1.000)	373408	50.0000		
	67 Chlorobenzene	112	13.318	13.308	(1.002)	358124	50.5354	50.5	
	152 1-Chlorohexane	91	13.294	13.296	(1.456)	188459	49.4919	49.5	
	68 Ethylbenzene	106	13.352	13.354	(1.004)	183836	50.9303	50.9	
	69 1,1,1,2-Tetrachloroethane	131	13.399	13.401	(1.008)	136622	52.7464	52.7	
M	70 Xylenes (total)	106				714736	158.711	159	
	71 m+p-Xylenes	106	13.539	13.540	(1.018)	469091	105.058	105	
	72 o-Xylene	106	14.097	14.087	(1.060)	245645	53.6539	53.6	
	73 Styrene	104	14.167	14.168	(1.066)	412214	53.4360	53.4	
	74 Bromoform	173	14.201	14.191	(1.068)	119015	55.0782	55.1	
	75 Isopropylbenzene	105	14.504	14.505	(0.883)	618306	59.4685	59.5	
$	76 P-Bromofluorobenzene	95	14.888	14.878	(1.513)	218826	55.5511	55.6	

Data File: \\Target_server\GG\chem\gcms-s.i\S061808.b\S1416.D
Report Date: 25-Jun-2008 15:40

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	CONCENTRATIONS FINAL (ug/l)	REVIEW CODE
77 cis-1,4-Dichloro-2-Butene	53	14.981	14.982	(0.912)	54568	57.2930	57.3	
78 trans-1,4-Dichloro-2-Butene	53	15.411	15.413	(0.938)	51852	52.0825	52.1	
79 Bromobenzene	156	15.027	15.017	(0.914)	169864	50.5898	50.6	
80 N-Propylbenzene	91	15.062	15.064	(0.916)	760234	52.6255	52.6	
81 1,1,2,2-Tetrachloroethane	83	15.178	15.168	(0.924)	172079	51.3199	51.3	
82 1,3,5-Trimethylbenzene	105	15.341	15.331	(0.933)	481775	50.5475	50.5	
83 2-Chlorotoluene	91	15.271	15.273	(0.929)	457547	50.4534	50.4	
84 1,2,3-Trichloropropane	75	15.353	15.343	(0.934)	131751	48.9331	48.9	
85 4-Chlorotoluene	91	15.504	15.506	(0.943)	467371	50.5813	50.6	
86 tert-Butylbenzene	119	15.771	15.773	(0.960)	488459	50.8446	50.8	
87 Pentachloroethane	117	15.806	15.796	(0.962)	121101	51.8230	51.8	
88 1,2,4-Trimethylbenzene	105	15.876	15.866	(0.966)	496569	47.4326	47.4	
89 P-Isopropyltoluene	119	16.225	16.227	(0.987)	525275	53.8141	53.8	
90 1,3-Dichlorobenzene	146	16.330	16.320	(0.994)	312018	51.4432	51.4	
* 91 1,4-Dichlorobenzene-D4	152	16.434	16.424	(1.000)	208143	50.0000		
92 1,4-Dichlorobenzene	146	16.446	16.448	(1.001)	301061	48.7867	48.8	
93 N-Butylbenzene	91	16.830	16.831	(1.024)	482169	51.6366	51.6	
94 sec-Butylbenzene	105	16.027	16.017	(0.975)	637217	51.4551	51.4	
95 1,2-Dichlorobenzene	146	17.051	17.052	(1.038)	282919	48.8223	48.8	
96 1,2-Dibromo-3-Chloropropane	75	18.237	18.227	(1.110)	32266	50.9314	50.9	
97 1,3,5-Trichlorobenzene	180	18.284	18.273	(1.113)	212591	50.1921	50.2	
98 Hexachlorobutadiene	225	19.214	19.215	(1.169)	90917	53.9545	54.0	
99 1,2,4-Trichlorobenzene	180	19.249	19.250	(1.171)	221687	53.3104	53.3	
100 1,2,3-Trimethylbenzene	105	16.493	16.482	(1.004)	466070	45.9584	46.0	
101 Naphthalene	128	19.749	19.750	(1.202)	416460	48.7823	48.8	
102 1,2,3-Trichlorobenzene	180	20.040	20.030	(1.219)	193134	50.0659	50.1	
103 Methyl Acetate	43	4.967	4.969	(0.544)	112164	49.9196	49.9	
104 Methylcyclohexane	83	9.736	9.737	(1.066)	185897	51.2607	51.3	
M 153 Total Alkylbenzenes	100				3871698	358.356	358	

QC Flag Legend

R - Spike/Surrogate failed recovery limits.

Data File: \\Target_server\GG\chem\gcms-s.i\S061808.b\S1416.D
Report Date: 25-Jun-2008 15:40

Katahdin Analytical Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcms-s.i
Lab File ID: S1416.D
Lab Smp Id: WG52635-1
Analysis Type: VOA
Quant Type: ISTD
Operator: SKT
Method File: \\Target_server\GG\chem\gcms-s.i\S061808.b\s826a58.m
Misc Info: SW846 8260B

Calibration Date: 18-JUN-2008
Calibration Time: 09:16
Client Smp ID: WG52635-LCS
Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 4

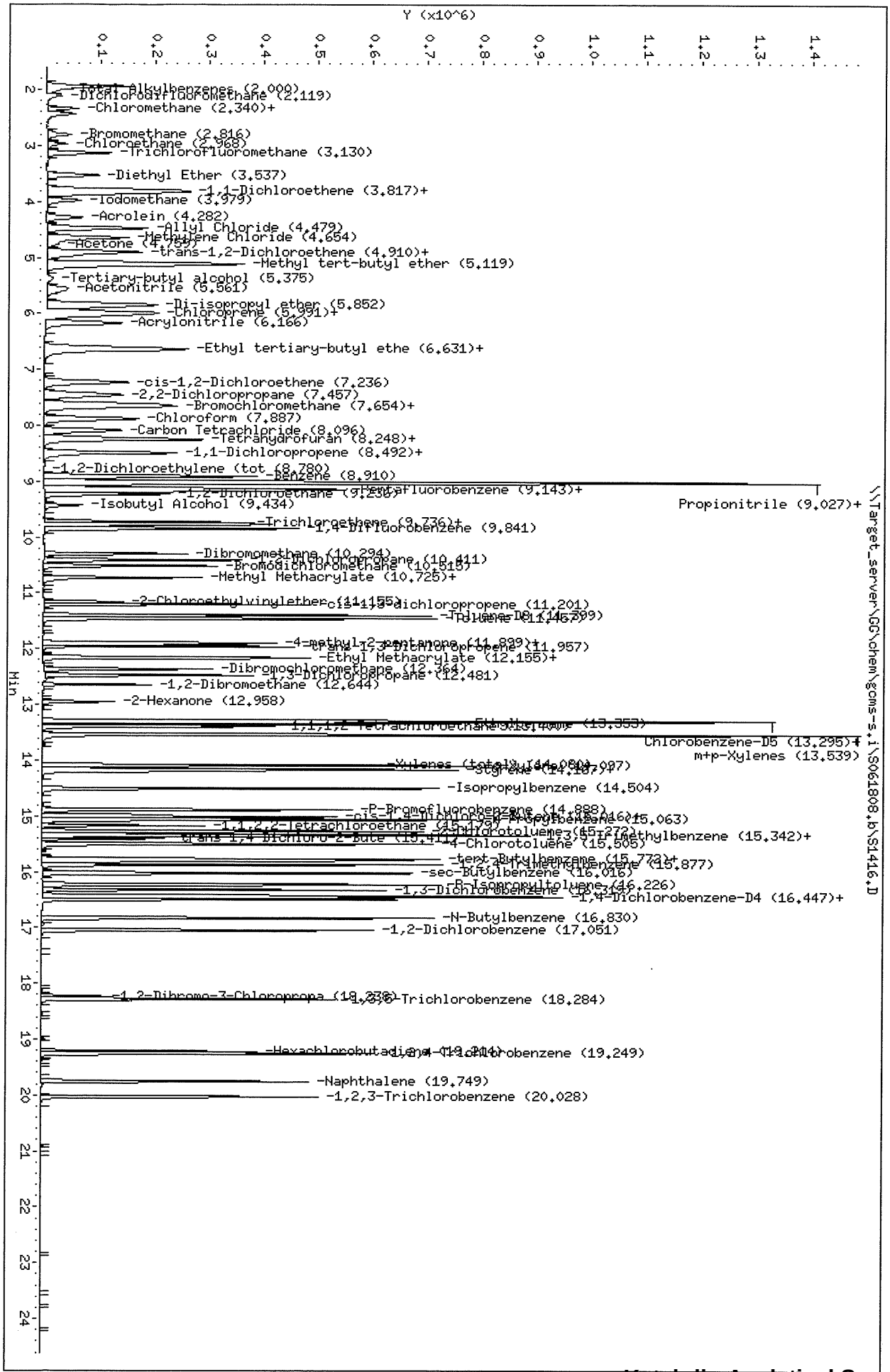
COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	310366	155183	620732	293226	-5.52
49 1,4-Difluorobenze	471386	235693	942772	452339	-4.04
66 Chlorobenzene-D5	391075	195538	782150	373408	-4.52
91 1,4-Dichlorobenze	206672	103336	413344	208143	0.71

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	9.13	8.63	9.63	9.13	0.05
49 1,4-Difluorobenze	9.85	9.35	10.35	9.84	-0.07
66 Chlorobenzene-D5	13.29	12.79	13.79	13.29	0.03
91 1,4-Dichlorobenze	16.43	15.93	16.93	16.43	0.03

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.

Data File: \\Target_server\GC\chem\gcms-s.i\S061808.b\S1416.D
Date : 18-JUN-2008 10:00
Client ID: WG52635-LCS
Sample Info: WG52635-1
Purge Volume: 5.0
Column phase: RTX-VMS

Instrument: gcms-s.i
Operator: SKT
Column diameter: 0.18



KATAHDIN ANALYTICAL SERVICES
LAB CONTROL SAMPLE

Client:
Project: CTO 426 NLON
PO No:
Sample Date:
Received Date:
Extraction Date:
Analysis Date: 06/19/08
Report Date: 06/26/2008
Matrix: WATER

Lab ID: WG52683-1
Client ID: WG52683-LCS
SDG: CTO426-3
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG52683
Units: ug/l

COMPOUND	LCS SPIKE	SAMPLE CONC.	LCS CONC.	%REC.	QC. LIMITS
Dichlorodifluoromethane	50	NA	31	62	20-143
Chloromethane	50	NA	38	76	34-132
Vinyl chloride	50	NA	42	83	48-136
Bromomethane	50	NA	50	101	52-129
Chloroethane	50	NA	47	94	43-146
Trichlorofluoromethane	50	NA	58	115	62-157
Diethyl Ether	50	NA	54	107	74-141
Tertiary-butyl alcohol	250	NA	215	86	10-152
1,1-Dichloroethene	50	NA	52	105	64-126
Carbon Disulfide	50	NA	56	113	59-136
Freon-113	50	NA	55	109	78-140
Iodomethane	50	NA	73	* 146	54-107
Acrolein	250	NA	272	109	42-156
Methylene Chloride	50	NA	52	104	63-122
Acetone	50	NA	41	82	15-160
Isobutyl Alcohol	1000	NA	782	78	10-169
trans-1,2-Dichloroethene	50	NA	54	108	65-128
Allyl Chloride	50	NA	56	112	64-150
Methyl tert-butyl ether	100	NA	110	110	71-140
Acetonitrile	500	NA	534	107	40-164
Di-isopropyl ether	50	NA	48	97	77-135
Chloroprene	50	NA	51	101	82-133
Methacrylonitrile	500	NA	506	101	69-146
Propionitrile	500	NA	498	100	51-161
1,1-Dichloroethane	50	NA	49	98	74-135
Acrylonitrile	250	NA	230	92	67-144
Ethyl tertiary-butyl ether	50	NA	51	101	79-136
Vinyl Acetate	50	NA	56	112	57-139
cis-1,2-Dichloroethene	50	NA	49	98	75-117
1,2-Dichloroethylene (total)	100	NA	103	103	72-121
Methyl Methacrylate	50	NA	55	111	71-136
2,2-Dichloropropane	50	NA	56	112	55-140
Bromochloromethane	50	NA	57	115	80-132
Chloroform	50	NA	54	107	80-125
Carbon Tetrachloride	50	NA	57	113	76-123
Tetrahydrofuran	50	NA	45	90	38-157
1,1,1-Trichloroethane	50	NA	54	107	79-125
1,1-Dichloropropene	50	NA	54	107	80-125
2-Butanone	50	NA	44	88	45-184
Benzene	50	NA	52	103	71-125
Cyclohexane	50	NA	55	111	57-128
Ethyl Methacrylate	50	NA	54	108	73-134
Tertiary-amyl methyl ether	50	NA	50	99	78-133
1,2-Dichloroethane	50	NA	53	106	75-125
Trichloroethene	50	NA	53	106	78-118

KATAHDIN ANALYTICAL SERVICES
LAB CONTROL SAMPLE

Client:
Project: CTO 426 NLON
PO No:
Sample Date:
Received Date:
Extraction Date:
Analysis Date: 06/19/08
Report Date: 06/26/2008
Matrix: WATER

Lab ID: WG52683-1
Client ID: WG52683-LCS
SDG: CTO426-3
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG52683
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	53	107	78-127
Bromodichloromethane	50	NA	49	98	76-118
cis-1,3-dichloropropene	50	NA	53	106	84-125
1,4-Dioxane	1000	NA	597	60	10-178
2-Chloroethylvinylether	50	NA	54	107	20-191
Toluene	50	NA	51	101	79-118
4-methyl-2-pentanone	50	NA	49	98	44-157
Tetrachloroethene	50	NA	46	91	71-137
trans-1,3-Dichloropropene	50	NA	61	122	89-137
1,1,2-Trichloroethane	50	NA	50	101	76-125
Dibromochloromethane	50	NA	51	102	77-119
1,3-Dichloropropane	50	NA	46	92	79-122
1,2-Dibromoethane	50	NA	51	102	78-124
2-Hexanone	50	NA	43	86	27-182
Chlorobenzene	50	NA	52	103	81-118
Ethylbenzene	50	NA	53	105	80-115
1,1,1,2-Tetrachloroethane	50	NA	54	107	79-118
Xylenes (total)	150	NA	152	101	85-114
m+p-Xylenes	100	NA	102	102	87-113
o-Xylene	50	NA	49	99	80-118
Styrene	50	NA	50	101	81-116
Bromoform	50	NA	50	100	69-129
Isopropylbenzene	50	NA	61	121	87-129
cis-1,4-Dichloro-2-Butene	50	NA	55	110	60-133
trans-1,4-Dichloro-2-Butene	50	NA	53	106	67-134
Bromobenzene	50	NA	51	102	83-112
N-Propylbenzene	50	NA	51	102	79-121
1,1,2,2-Tetrachloroethane	50	NA	47	95	68-133
1,3,5-Trimethylbenzene	50	NA	51	102	80-117
2-Chlorotoluene	50	NA	48	96	86-113
1,2,3-Trichloropropane	50	NA	47	93	63-133
4-Chlorotoluene	50	NA	49	98	84-117
tert-Butylbenzene	50	NA	50	99	78-122
Pentachloroethane	50	NA	53	106	64-135
1,2,4-Trimethylbenzene	50	NA	46	93	78-116
P-Isopropyltoluene	50	NA	52	104	79-123
1,3-Dichlorobenzene	50	NA	48	96	86-111
1,4-Dichlorobenzene	50	NA	50	100	78-118
N-Butylbenzene	50	NA	52	105	76-119
sec-Butylbenzene	50	NA	50	101	77-121
1,2-Dichlorobenzene	50	NA	49	99	86-113
1,2-Dibromo-3-Chloropropane	50	NA	46	93	63-133
1,3,5-Trichlorobenzene	50	NA	51	103	84-118
Hexachlorobutadiene	50	NA	52	104	70-114

KATAHDIN ANALYTICAL SERVICES
LAB CONTROL SAMPLE

Client:
Project: CTO 426 NLON
PO No:
Sample Date:
Received Date:
Extraction Date:
Analysis Date: 06/19/08
Report Date: 06/26/2008
Matrix: WATER

Lab ID: WG52683-1
Client ID: WG52683-LCS
SDG: CTO426-3
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG52683
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	52	105	85-124
Naphthalene	50	NA	44	89	64-121
1,2,3-Trichlorobenzene	50	NA	45	89	73-117
Methyl Acetate	50	NA	53	106	52-142
Methylcyclohexane	50	NA	51	101	83-125
1-Chlorohexane	50	NA	50	100	78-128
Total Alkylbenzenes	350	NA	352	100	60-140

Data File: \\Target_server\GG\chem\gcms-s.i\S061908.b\S1441.D
Report Date: 25-Jun-2008 15:49

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gcms-s.i\S061908.b\S1441.D
Lab Smp Id: WG52683-1 Client Smp ID: WG52683-LCS
Inj Date : 19-JUN-2008 09:32 MS Autotune Date: 21-NOV-2007 15:16
Operator : SKT Inst ID: gcms-s.i
Smp Info : WG52683-1
Misc Info : SW846 8260B
Comment :
Method : \\target_server\GG\chem\gcms-s.i\S061908.b\s826a58.m
Meth Date : 19-Jun-2008 09:58 gcms-s.i Quant Type: ISTD
Cal Date : 16-JUN-2008 13:32 Cal File: S1375.D
Als bottle: 2 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.12
Processing Host: V200T3

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)	REVIEW CODE
1 Dichlorodifluoromethane	85	2.115	2.120	(0.232)	105767	30.9544	31.0	
2 Chloromethane	50	2.348	2.341	(0.257)	163608	37.8788	37.9	
3 Vinyl chloride	62	2.441	2.434	(0.267)	153595	41.6316	41.6	
4 Bromomethane	94	2.813	2.817	(0.308)	79900	50.2988	50.3	
5 Chloroethane	64	2.976	2.969	(0.326)	88015	46.8341	46.8	
6 Trichlorofluoromethane	101	3.138	3.131	(0.344)	208777	57.4758	57.5	
7 Diethyl Ether	59	3.534	3.527	(0.387)	117081	53.7349	53.7	
8 Tertiary-butyl alcohol	59	5.348	5.376	(0.586)	45873	214.607	215	
9 1,1-Dichloroethene	96	3.790	3.783	(0.415)	122183	52.4006	52.4	
10 Carbon Disulfide	76	3.825	3.818	(0.419)	404101	56.4241	56.4	
11 Freon-113	151	3.859	3.853	(0.423)	97926	54.6271	54.6	
12 Iodomethane	142	3.987	3.980	(0.437)	175181	73.2329	73.2(R)	
13 Acrolein	56	4.278	4.283	(0.469)	135119	271.919	272	
14 Methylene Chloride	84	4.650	4.655	(0.509)	154215	51.7909	51.8	
15 Acetone	43	4.755	4.760	(0.521)	44190	41.1004	41.1	
16 Isobutyl Alcohol	43	9.418	9.423	(1.032)	78441	782.239	782	
17 trans-1,2-Dichloroethene	96	4.906	4.911	(0.538)	147381	54.0696	54.1	
18 Allyl Chloride	41	4.476	4.481	(0.490)	276344	56.0923	56.1	
19 Methyl tert-butyl ether	73	5.104	5.120	(0.559)	837725	109.631	110	
20 Acetonitrile	39	5.557	5.574	(0.609)	39768	534.306	534	
21 Di-isopropyl ether	45	5.836	5.841	(0.639)	575718	48.5226	48.5	
22 Chloroprene	53	5.976	5.981	(0.655)	262005	50.6214	50.6	
23 Propionitrile	54	9.000	9.005	(0.986)	195938	497.751	498	

Data File: \\Target_server\GG\chem\gcms-s.i\S061908.b\S1441.D
Report Date: 25-Jun-2008 15:49

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	CONCENTRATIONS FINAL (ug/l)	REVIEW CODE
	24 Methacrylonitrile	41	9.023	9.028	(0.989)	1125109	506.153	506	
	25 1,1-Dichloroethane	63	6.034	6.027	(0.661)	275181	49.0813	49.1	
	26 Acrylonitrile	52	6.162	6.167	(0.675)	225298	230.200	230	
	27 Ethyl tertiary-butyl ether	59	6.616	6.620	(0.725)	541507	50.7002	50.7	
	28 Vinyl Acetate	43	6.639	6.644	(0.675)	432393	55.9115	55.9	
	29 cis-1,2-Dichloroethene	96	7.220	7.225	(0.791)	160141	48.8403	48.8	
M	30 1,2-Dichloroethylene (total)	96				307522	102.910	103	
	31 Methyl Methacrylate	41	10.721	10.726	(1.090)	164253	55.3756	55.4	
	32 2,2-Dichloropropane	77	7.453	7.458	(0.817)	247810	56.0836	56.1	
	33 Bromochloromethane	128	7.662	7.667	(0.839)	88708	57.3924	57.4	
	34 Chloroform	83	7.883	7.876	(0.864)	287730	53.6564	53.6	
	35 Carbon Tetrachloride	117	8.093	8.086	(0.823)	193687	56.5517	56.6	
	36 Tetrahydrofuran	42	8.197	8.189	(0.898)	39383	45.1220	45.1	
$	37 Dibromofluoromethane	113	8.255	8.249	(0.904)	167223	48.9957	49.0	
	38 1,1,1-Trichloroethane	97	8.232	8.237	(0.902)	227575	53.5513	53.6	
	39 1,1-Dichloropropene	75	8.476	8.481	(0.862)	215037	53.7382	53.7	
	40 2-Butanone	43	8.523	8.528	(0.934)	70629	43.8612	43.9	
	41 Benzene	78	8.907	8.900	(0.905)	587228	51.5245	51.5	
*	42 Pentafluorobenzene	168	9.128	9.132	(1.000)	328911	50.0000		
	43 Cyclohexane	56	7.616	7.621	(0.834)	225723	55.3373	55.3	
	44 Ethyl Methacrylate	69	12.163	12.168	(1.236)	189628	53.7714	53.8	
$	45 1,2-Dichloroethane-D4	65	9.128	9.132	(1.000)	180573	46.1084	46.1	
	46 Tertiary-amyl methyl ether	73	9.151	9.167	(1.003)	431198	49.6332	49.6	
	47 1,2-Dichloroethane	62	9.232	9.237	(0.939)	235862	52.7744	52.8	
	48 Trichloroethene	95	9.767	9.772	(0.993)	158615	52.9671	53.0	
*	49 1,4-Difluorobenzene	114	9.837	9.842	(1.000)	478032	50.0000		
	50 Dibromomethane	93	10.291	10.295	(1.046)	113310	54.0269	54.0	
	51 1,2-Dichloropropane	63	10.407	10.412	(1.058)	153035	53.4257	53.4	
	52 Bromodichloromethane	83	10.512	10.505	(1.069)	209708	49.1729	49.2	
	53 cis-1,3-dichloropropene	75	11.198	11.203	(1.138)	263469	53.1423	53.1	
	54 1,4-Dioxane	88	10.756	10.761	(1.093)	17937	597.493	597	
$	55 Toluene-D8	98	11.396	11.400	(1.158)	493650	51.2723	51.3	
	56 2-Chloroethylvinylether	63	11.151	11.156	(1.134)	70408	53.7055	53.7	
	57 Toluene	92	11.454	11.458	(1.164)	355070	50.5704	50.6	
	58 4-methyl-2-pentanone	43	11.919	11.924	(1.212)	153737	49.0552	49.0	
	59 Tetrachloroethene	164	11.896	11.889	(0.896)	124510	45.5188	45.5	
	60 trans-1,3-Dichloropropene	75	11.954	11.958	(1.215)	259254	61.1373	61.1	
	61 1,1,2-Trichloroethane	83	12.140	12.145	(1.234)	110620	50.5072	50.5	
	62 Dibromochloromethane	129	12.361	12.366	(0.931)	183800	51.1975	51.2	
	63 1,3-Dichloropropane	76	12.477	12.482	(0.940)	222093	46.0628	46.1	
	64 1,2-Dibromoethane	107	12.640	12.645	(1.285)	156301	50.9520	51.0	
	65 2-Hexanone	43	12.954	12.947	(0.975)	105704	43.2275	43.2	
*	66 Chlorobenzene-D5	117	13.280	13.284	(1.000)	423810	50.0000		
	67 Chlorobenzene	112	13.303	13.308	(1.002)	415475	51.6559	51.6	
	152 1-Chlorohexane	91	13.291	13.296	(1.456)	214534	50.2270	50.2	
	68 Ethylbenzene	106	13.349	13.354	(1.005)	216066	52.7405	52.7	
	69 1,1,1,2-Tetrachloroethane	131	13.396	13.401	(1.009)	157323	53.5152	53.5	
M	70 Xylenes (total)	106				774553	151.586	152	
	71 m+p-Xylenes	106	13.535	13.540	(1.019)	517952	102.205	102	
	72 o-Xylene	106	14.094	14.087	(1.061)	256601	49.3815	49.4	
	73 Styrene	104	14.163	14.168	(1.067)	440337	50.2931	50.3	
	74 Bromoform	173	14.198	14.191	(1.069)	122241	49.8434	49.8	
	75 Isopropylbenzene	105	14.501	14.505	(0.883)	682370	60.5772	60.6	
$	76 P-Bromofluorobenzene	95	14.884	14.878	(1.513)	228040	54.7787	54.8	

Data File: \\Target_server\GG\chem\gcms-s.i\S061908.b\S1441.D
Report Date: 25-Jun-2008 15:49

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	CONCENTRATIONS FINAL (ug/l)	REVIEW CODE
77 cis-1,4-Dichloro-2-Butene	53	14.977	14.982	(0.912)	56728	54.9752	55.0	
78 trans-1,4-Dichloro-2-Butene	53	15.408	15.413	(0.938)	57023	52.8667	52.9	
79 Bromobenzene	156	15.012	15.017	(0.914)	186451	51.2545	51.2	
80 N-Propylbenzene	91	15.059	15.064	(0.916)	799904	51.1084	51.1	
81 1,1,2,2-Tetrachloroethane	83	15.175	15.168	(0.924)	171848	47.3051	47.3	
82 1,3,5-Trimethylbenzene	105	15.338	15.331	(0.933)	526051	50.9435	50.9	
83 2-Chlorotoluene	91	15.268	15.273	(0.929)	470484	47.8857	47.9	
84 1,2,3-Trichloropropane	75	15.350	15.343	(0.934)	136267	46.7138	46.7	
85 4-Chlorotoluene	91	15.501	15.506	(0.943)	490545	49.0018	49.0	
86 tert-Butylbenzene	119	15.768	15.773	(0.960)	515762	49.5532	49.6	
87 Pentachloroethane	117	15.792	15.796	(0.961)	134480	53.0258	53.0	
88 1,2,4-Trimethylbenzene	105	15.873	15.866	(0.966)	524920	46.2803	46.3	
89 P-Isopropyltoluene	119	16.222	16.227	(0.987)	548185	51.8372	51.8	
90 1,3-Dichlorobenzene	146	16.315	16.320	(0.993)	316173	48.1148	48.1	
* 91 1,4-Dichlorobenzene-D4	152	16.431	16.424	(1.000)	225505	50.0000		
92 1,4-Dichlorobenzene	146	16.454	16.448	(1.001)	332810	49.7793	49.8	
93 N-Butylbenzene	91	16.827	16.831	(1.024)	529120	52.3020	52.3	
94 sec-Butylbenzene	105	16.013	16.017	(0.975)	676366	50.4114	50.4	
95 1,2-Dichlorobenzene	146	17.048	17.052	(1.038)	310051	49.3850	49.4	
96 1,2-Dibromo-3-Chloropropane	75	18.222	18.227	(1.109)	31785	46.3093	46.3	
97 1,3,5-Trichlorobenzene	180	18.280	18.273	(1.113)	235642	51.3510	51.4	
98 Hexachlorobutadiene	225	19.211	19.215	(1.169)	94954	52.0118	52.0	
99 1,2,4-Trichlorobenzene	180	19.246	19.250	(1.171)	224948	49.9297	49.9	
100 1,2,3-Trimethylbenzene	105	16.489	16.482	(1.004)	576773	52.4958	52.5	
101 Naphthalene	128	19.746	19.750	(1.202)	409487	44.2725	44.3	
102 1,2,3-Trichlorobenzene	180	20.025	20.030	(1.219)	186606	44.6493	44.6	
103 Methyl Acetate	43	4.964	4.969	(0.544)	133569	52.9965	53.0	
104 Methylcyclohexane	83	9.732	9.737	(1.066)	206269	50.7073	50.7	
M 153 Total Alkylbenzenes	100				4120308	352.436	352	

QC Flag Legend

R - Spike/Surrogate failed recovery limits.

Data File: \\Target_server\GG\chem\gcms-s.i\S061908.b\S1441.D
Report Date: 25-Jun-2008 15:49

Katahdin Analytical Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcms-s.i
Lab File ID: S1441.D
Lab Smp Id: WG52683-1
Analysis Type: VOA
Quant Type: ISTD
Operator: SKT
Method File: \\target_server\GG\chem\gcms-s.i\S061908.b\s826a58.m
Misc Info: SW846 8260B

Calibration Date: 19-JUN-2008
Calibration Time: 08:51
Client Smp ID: WG52683-LCS
Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 4

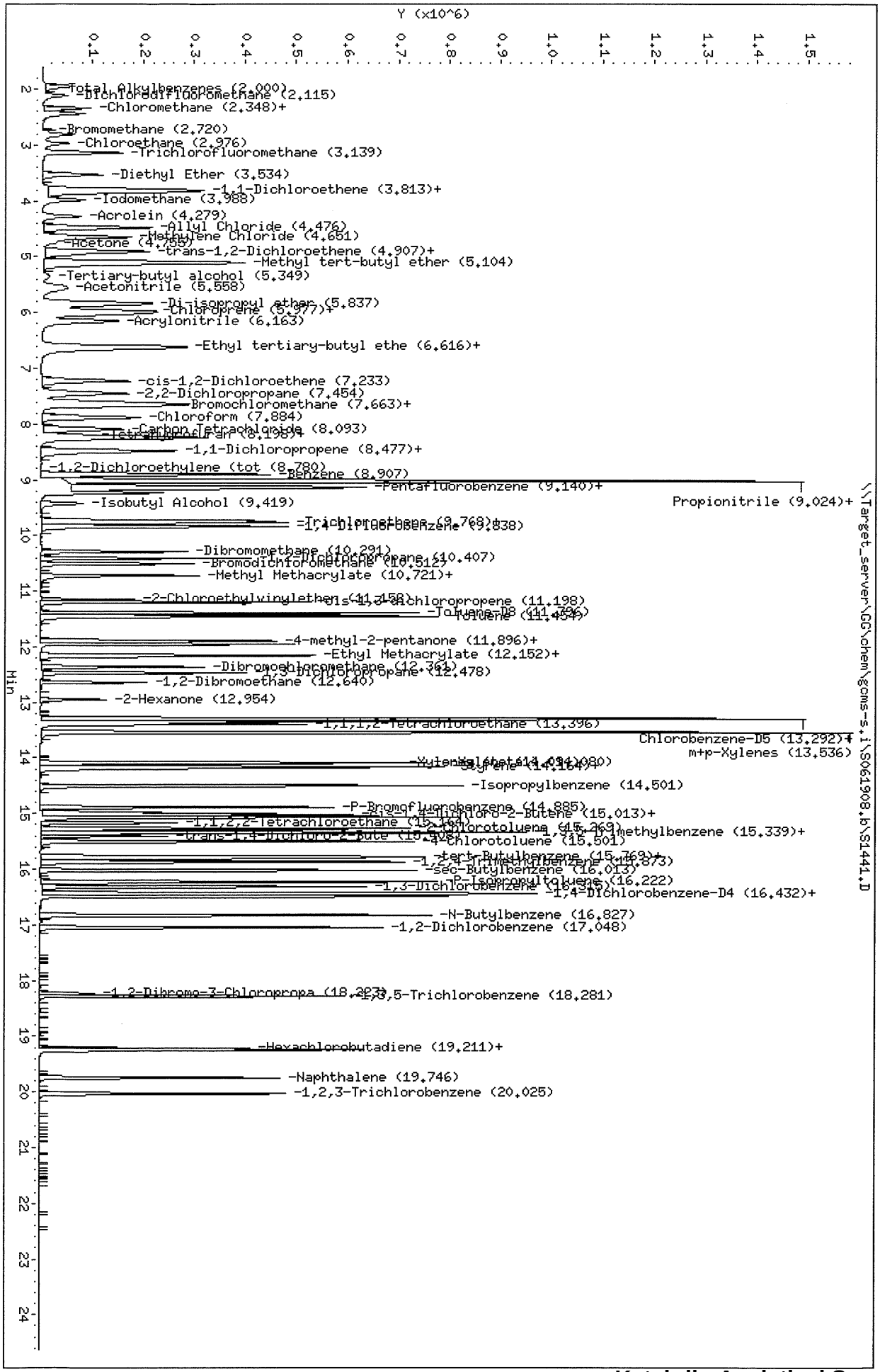
COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	330238	165119	660476	328911	-0.40
49 1,4-Difluorobenze	498117	249059	996234	478032	-4.03
66 Chlorobenzene-D5	406163	203082	812326	423810	4.34
91 1,4-Dichlorobenze	223189	111595	446378	225505	1.04

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	9.13	8.63	9.63	9.13	0.01
49 1,4-Difluorobenze	9.84	9.34	10.34	9.84	0.01
66 Chlorobenzene-D5	13.29	12.79	13.79	13.28	-0.08
91 1,4-Dichlorobenze	16.43	15.93	16.93	16.43	0.01

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.

Data File: \\Target_server\GC\chem\gcms-s.i\S061908.b\S1441.D
Date : 19-JUN-2008 09:32
Client ID: WG52683-LCS
Sample Info: WG52683-1
Purge Volume: 5.0
Column phase: RTX-VMS

Instrument: gcms-s.i
Operator: SKT
Column diameter: 0.18



KATAHDIN ANALYTICAL SERVICES
LAB CONTROL SAMPLE

Client:
Project: CTO 426 NLON
PO No:
Sample Date:
Received Date:
Extraction Date:
Analysis Date: 06/20/08
Report Date: 06/26/2008
Matrix: WATER

Lab ID: WG52722-1
Client ID: WG52722-LCS
SDG: CTO426-3
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG52722
Units: ug/l

COMPOUND	LCS SPIKE	SAMPLE CONC.	LCS CONC.		%REC.	QC. LIMITS
Dichlorodifluoromethane	50	NA	30		60	20-143
Chloromethane	50	NA	36		73	34-132
Vinyl chloride	50	NA	40		80	48-136
Bromomethane	50	NA	53		105	52-129
Chloroethane	50	NA	47		93	43-146
Trichlorofluoromethane	50	NA	60		120	62-157
Diethyl Ether	50	NA	58		116	74-141
Tertiary-butyl alcohol	250	NA	266		106	10-152
1,1-Dichloroethene	50	NA	57		113	64-126
Carbon Disulfide	50	NA	59		119	59-136
Freon-113	50	NA	58		116	78-140
Iodomethane	50	NA	69	*	137	54-107
Acrolein	250	NA	286		114	42-156
Methylene Chloride	50	NA	53		105	63-122
Acetone	50	NA	60		120	15-160
Isobutyl Alcohol	1000	NA	1100		110	10-169
trans-1,2-Dichloroethene	50	NA	50		100	65-128
Allyl Chloride	50	NA	55		110	64-150
Methyl tert-butyl ether	100	NA	113		113	71-140
Acetonitrile	500	NA	562		112	40-164
Di-isopropyl ether	50	NA	44		89	77-135
Chloroprene	50	NA	50		101	82-133
Methacrylonitrile	500	NA	538		108	69-146
Propionitrile	500	NA	541		108	51-161
1,1-Dichloroethane	50	NA	51		102	74-135
Acrylonitrile	250	NA	229		92	67-144
Ethyl tertiary-butyl ether	50	NA	52		103	79-136
Vinyl Acetate	50	NA	62		123	57-139
cis-1,2-Dichloroethene	50	NA	53		107	75-117
1,2-Dichloroethylene (total)	100	NA	103		103	72-121
Methyl Methacrylate	50	NA	58		117	71-136
2,2-Dichloropropane	50	NA	54		109	55-140
Bromochloromethane	50	NA	60		120	80-132
Chloroform	50	NA	58		115	80-125
Carbon Tetrachloride	50	NA	60		120	76-123
Tetrahydrofuran	50	NA	56		113	38-157
1,1,1-Trichloroethane	50	NA	57		114	79-125
1,1-Dichloropropene	50	NA	57		114	80-125
2-Butanone	50	NA	54		108	45-184
Benzene	50	NA	55		111	71-125
Cyclohexane	50	NA	55		109	57-128
Ethyl Methacrylate	50	NA	49		98	73-134
Tertiary-amyl methyl ether	50	NA	51		103	78-133
1,2-Dichloroethane	50	NA	61		122	75-125
Trichloroethene	50	NA	53		106	78-118

KATAHDIN ANALYTICAL SERVICES
LAB CONTROL SAMPLE

Client:
Project: CTO 426 NLON
PO No:
Sample Date:
Received Date:
Extraction Date:
Analysis Date: 06/20/08
Report Date: 06/26/2008
Matrix: WATER

Lab ID: WG52722-1
Client ID: WG52722-LCS
SDG: CTO426-3
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG52722
Units: ug/l

COMPOUND	LCS SPIKE	SAMPLE CONC.	LCS CONC.	%REC.	QC. LIMITS
Dibromomethane	50	NA	59	118	73-125
1,2-Dichloropropane	50	NA	61	123	78-127
Bromodichloromethane	50	NA	59	117	76-118
cis-1,3-dichloropropene	50	NA	58	115	84-125
1,4-Dioxane	1000	NA	764	76	10-178
2-Chloroethylvinylether	50	NA	62	125	20-191
Toluene	50	NA	56	112	79-118
4-methyl-2-pentanone	50	NA	59	118	44-157
Tetrachloroethene	50	NA	52	104	71-137
trans-1,3-Dichloropropene	50	NA	64	128	89-137
1,1,2-Trichloroethane	50	NA	54	107	76-125
Dibromochloromethane	50	NA	54	109	77-119
1,3-Dichloropropane	50	NA	50	101	79-122
1,2-Dibromoethane	50	NA	58	116	78-124
2-Hexanone	50	NA	54	108	27-182
Chlorobenzene	50	NA	54	107	81-118
Ethylbenzene	50	NA	50	101	80-115
1,1,1,2-Tetrachloroethane	50	NA	55	111	79-118
Xylenes (total)	150	NA	156	104	85-114
m+p-Xylenes	100	NA	104	104	87-113
o-Xylene	50	NA	52	104	80-118
Styrene	50	NA	55	110	81-116
Bromoform	50	NA	56	112	69-129
Isopropylbenzene	50	NA	62	124	87-129
cis-1,4-Dichloro-2-Butene	50	NA	56	111	60-133
trans-1,4-Dichloro-2-Butene	50	NA	54	108	67-134
Bromobenzene	50	NA	53	106	83-112
N-Propylbenzene	50	NA	54	109	79-121
1,1,2,2-Tetrachloroethane	50	NA	52	105	68-133
1,3,5-Trimethylbenzene	50	NA	52	104	80-117
2-Chlorotoluene	50	NA	49	99	86-113
1,2,3-Trichloropropane	50	NA	50	99	63-133
4-Chlorotoluene	50	NA	54	107	84-117
tert-Butylbenzene	50	NA	51	102	78-122
Pentachloroethane	50	NA	49	97	64-135
1,2,4-Trimethylbenzene	50	NA	52	103	78-116
P-Isopropyltoluene	50	NA	54	108	79-123
1,3-Dichlorobenzene	50	NA	53	105	86-111
1,4-Dichlorobenzene	50	NA	53	106	78-118
N-Butylbenzene	50	NA	58	116	76-119
sec-Butylbenzene	50	NA	56	113	77-121
1,2-Dichlorobenzene	50	NA	55	110	86-113
1,2-Dibromo-3-Chloropropane	50	NA	55	110	63-133
1,3,5-Trichlorobenzene	50	NA	54	108	84-118
Hexachlorobutadiene	50	NA	53	106	70-114

KATAHDIN ANALYTICAL SERVICES
LAB CONTROL SAMPLE

Client:
Project: CTO 426 NLON
PO No:
Sample Date:
Received Date:
Extraction Date:
Analysis Date: 06/20/08
Report Date: 06/26/2008
Matrix: WATER

Lab ID: WG52722-1
Client ID: WG52722-LCS
SDG: CTO426-3
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG52722
Units: ug/l

COMPOUND	LCS SPIKE	SAMPLE CONC.	LCS CONC.	%REC.	QC. LIMITS
1,2,4-Trichlorobenzene	50	NA	55	110	74-116
1,2,3-Trimethylbenzene	50	NA	48	96	85-124
Naphthalene	50	NA	54	109	64-121
1,2,3-Trichlorobenzene	50	NA	53	107	73-117
Methyl Acetate	50	NA	54	108	52-142
Methylcyclohexane	50	NA	48	97	83-125
1-Chlorohexane	50	NA	50	100	78-128
Total Alkylbenzenes	350	NA	377	108	60-140

Katahdin Analytical Services 1000263

Data File: \\Target_server\GG\chem\gcms-s.i\S062008.b\S1466.D
Report Date: 25-Jun-2008 15:54

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gcms-s.i\S062008.b\S1466.D
Lab Smp Id: WG52722-1 Client Smp ID: WG52722-LCS
Inj Date : 20-JUN-2008 08:36 MS Autotune Date: 21-NOV-2007 15:16
Operator : SKT Inst ID: gcms-s.i
Smp Info : WG52722-1
Misc Info : SW846 8260B
Comment :
Method : \\target_server\GG\chem\gcms-s.i\S062008.b\s826a58.m
Meth Date : 20-Jun-2008 08:05 tcote Quant Type: ISTD
Cal Date : 16-JUN-2008 13:32 Cal File: S1375.D
Als bottle: 2 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.12
Processing Host: V200T1

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)	REVIEW CODE
1 Dichlorodifluoromethane	85	2.109	2.120	(0.231)	102518	29.9610	30.0	
2 Chloromethane	50	2.341	2.341	(0.257)	156871	36.2676	36.3	
3 Vinyl chloride	62	2.434	2.434	(0.267)	147725	39.9839	40.0	
4 Bromomethane	94	2.806	2.817	(0.308)	83686	52.6076	52.6	
5 Chloroethane	64	2.958	2.969	(0.324)	87741	46.6223	46.6	
6 Trichlorofluoromethane	101	3.132	3.131	(0.343)	219052	60.2192	60.2	
7 Diethyl Ether	59	3.527	3.527	(0.387)	126087	57.7864	57.8	
8 Tertiary-butyl alcohol	59	5.353	5.376	(0.587)	57122	266.004	266	
9 1,1-Dichloroethene	96	3.783	3.783	(0.415)	132252	56.6386	56.6	
10 Carbon Disulfide	76	3.807	3.818	(0.417)	426175	59.4221	59.4	
11 Freon-113	151	3.841	3.853	(0.421)	104503	58.2135	58.2	
12 Iodomethane	142	3.981	3.980	(0.436)	164175	68.6561	68.6(R)	
13 Acrolein	56	4.272	4.283	(0.468)	142317	285.999	286	
14 Methylene Chloride	84	4.644	4.655	(0.509)	157101	52.6854	52.7	
15 Acetone	43	4.749	4.760	(0.521)	64850	60.2306	60.2	
16 Isobutyl Alcohol	43	9.424	9.423	(1.033)	110016	1104.55	1100	
17 trans-1,2-Dichloroethene	96	4.900	4.911	(0.537)	136256	49.9174	49.9	
18 Allyl Chloride	41	4.469	4.481	(0.490)	270921	54.9137	54.9	
19 Methyl tert-butyl ether	73	5.109	5.120	(0.560)	865623	113.122	113	
20 Acetonitrile	39	5.551	5.574	(0.609)	41872	562.116	562	
21 Di-isopropyl ether	45	5.830	5.841	(0.639)	526825	44.3390	44.3	
22 Chloroprene	53	5.970	5.981	(0.654)	261206	50.3956	50.4	
23 Propionitrile	54	8.993	9.005	(0.986)	213460	541.496	541	

Data File: \\Target_server\GG\chem\gcms-s.i\S062008.b\S1466.D
Report Date: 25-Jun-2008 15:54

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	CONCENTRATIONS FINAL (ug/l)	REVIEW CODE
	24 Methacrylonitrile	41	9.017	9.028	(0.989)	1198445	538.382	538	
	25 1,1-Dichloroethane	63	6.016	6.027	(0.660)	286323	50.9963	51.0	
	26 Acrylonitrile	52	6.156	6.167	(0.675)	224298	228.854	229	
	27 Ethyl tertiary-butyl ether	59	6.609	6.620	(0.725)	550984	51.5145	51.5	
	28 Vinyl Acetate	43	6.633	6.644	(0.675)	464643	61.5723	61.6	
	29 cis-1,2-Dichloroethene	96	7.214	7.225	(0.791)	175191	53.3547	53.4	
M	30 1,2-Dichloroethylene (total)	96				311447	103.272	103	
	31 Methyl Methacrylate	41	10.715	10.726	(1.090)	168938	58.3682	58.4	
	32 2,2-Dichloropropane	77	7.447	7.458	(0.816)	240503	54.3529	54.4	
	33 Bromochloromethane	128	7.656	7.667	(0.839)	92965	60.0615	60.1	
	34 Chloroform	83	7.877	7.876	(0.864)	309092	57.5585	57.6	
	35 Carbon Tetrachloride	117	8.086	8.086	(0.823)	200748	60.0675	60.1	
	36 Tetrahydrofuran	42	8.191	8.189	(0.898)	49254	56.3516	56.4	
$	37 Dibromofluoromethane	113	8.237	8.249	(0.903)	179012	52.3756	52.4	
	38 1,1,1-Trichloroethane	97	8.226	8.237	(0.902)	242265	56.9274	56.9	
	39 1,1-Dichloropropene	75	8.470	8.481	(0.862)	221982	56.8500	56.8	
	40 2-Butanone	43	8.517	8.528	(0.934)	87320	54.1498	54.1	
	41 Benzene	78	8.900	8.900	(0.905)	615405	55.3365	55.3	
*	42 Pentafluorobenzene	168	9.121	9.132	(1.000)	329377	50.0000		
	43 Cyclohexane	56	7.621	7.621	(0.836)	223094	54.6154	54.6	
	44 Ethyl Methacrylate	69	12.157	12.168	(1.237)	169426	49.2348	49.2	
$	45 1,2-Dichloroethane-D4	65	9.121	9.132	(1.000)	196456	50.0931	50.1	
	46 Tertiary-amyl methyl ether	73	9.156	9.167	(1.004)	446341	51.3035	51.3	
	47 1,2-Dichloroethane	62	9.226	9.237	(0.938)	267124	61.2523	61.2	
	48 Trichloroethene	95	9.761	9.772	(0.993)	155152	53.0962	53.1	
*	49 1,4-Difluorobenzene	114	9.831	9.842	(1.000)	466459	50.0000		
	50 Dibromomethane	93	10.284	10.295	(1.046)	121220	59.2324	59.2	
	51 1,2-Dichloropropane	63	10.401	10.412	(1.058)	171667	61.4171	61.4	
	52 Bromodichloromethane	83	10.505	10.505	(1.069)	243666	58.5530	58.6	
	53 cis-1,3-dichloropropene	75	11.191	11.203	(1.138)	279016	57.6745	57.7	
	54 1,4-Dioxane	88	10.750	10.761	(1.093)	22373	763.749	764	
$	55 Toluene-D8	98	11.389	11.400	(1.159)	497687	52.9741	53.0	
	56 2-Chloroethylvinylether	63	11.157	11.156	(1.135)	79761	62.3492	62.3	
	57 Toluene	92	11.447	11.458	(1.164)	382114	55.7723	55.8	
	58 4-methyl-2-pentanone	43	11.913	11.924	(1.212)	181101	59.2204	59.2	
	59 Tetrachloroethene	164	11.889	11.889	(0.895)	141726	52.1362	52.1	
	60 trans-1,3-Dichloropropene	75	11.947	11.958	(1.215)	263883	63.7728	63.8	
	61 1,1,2-Trichloroethane	83	12.145	12.145	(1.235)	114279	53.4724	53.5	
	62 Dibromochloromethane	129	12.354	12.366	(0.930)	194119	54.4095	54.4	
	63 1,3-Dichloropropane	76	12.471	12.482	(0.939)	241147	50.3269	50.3	
	64 1,2-Dibromoethane	107	12.634	12.645	(1.285)	173740	58.0421	58.0	
	65 2-Hexanone	43	12.948	12.947	(0.975)	131769	54.2232	54.2	
*	66 Chlorobenzene-D5	117	13.285	13.284	(1.000)	421180	50.0000		
	67 Chlorobenzene	112	13.296	13.308	(1.001)	427669	53.5040	53.5	
	152 1-Chlorohexane	91	13.285	13.296	(1.456)	214179	50.0730	50.1	
	68 Ethylbenzene	106	13.343	13.354	(1.004)	204786	50.2993	50.3	
	69 1,1,1,2-Tetrachloroethane	131	13.389	13.401	(1.008)	161786	55.3770	55.4	
M	70 Xylenes (total)	106				791319	155.800	156	
	71 m+p-Xylenes	106	13.529	13.540	(1.018)	522034	103.654	104	
	72 o-Xylene	106	14.087	14.087	(1.060)	269285	52.1460	52.1	
	73 Styrene	104	14.157	14.168	(1.066)	478793	55.0268	55.0	
	74 Bromoform	173	14.192	14.191	(1.068)	136406	55.9664	56.0	
	75 Isopropylbenzene	105	14.494	14.505	(0.882)	696611	62.0186	62.0	
$	76 P-Bromofluorobenzene	95	14.878	14.878	(1.513)	218746	53.8498	53.8	

Data File: \\Target_server\GG\chem\gcms-s.i\S062008.b\S1466.D
Report Date: 25-Jun-2008 15:54

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	CONCENTRATIONS FINAL (ug/l)	REVIEW CODE
77 cis-1,4-Dichloro-2-Butene	53	14.971	14.982	(0.911)	57235	55.6253	55.6	
78 trans-1,4-Dichloro-2-Butene	53	15.401	15.413	(0.938)	57907	53.8400	53.8	
79 Bromobenzene	156	15.018	15.017	(0.914)	191456	52.7811	52.8	
80 N-Propylbenzene	91	15.053	15.064	(0.916)	848924	54.3958	54.4	
81 1,1,2,2-Tetrachloroethane	83	15.169	15.168	(0.924)	189886	52.4202	52.4	
82 1,3,5-Trimethylbenzene	105	15.332	15.331	(0.933)	534076	51.8688	51.9	
83 2-Chlorotoluene	91	15.262	15.273	(0.929)	483392	49.3404	49.3	
84 1,2,3-Trichloropropane	75	15.343	15.343	(0.934)	143904	49.4731	49.5	
85 4-Chlorotoluene	91	15.494	15.506	(0.943)	536447	53.7406	53.7	
86 tert-Butylbenzene	119	15.762	15.773	(0.960)	529542	51.0229	51.0	
87 Pentachloroethane	117	15.797	15.796	(0.962)	122313	48.6892	48.7	
88 1,2,4-Trimethylbenzene	105	15.867	15.866	(0.966)	583208	51.5666	51.6	
89 P-Isopropyltoluene	119	16.216	16.227	(0.987)	567605	53.8274	53.8	
90 1,3-Dichlorobenzene	146	16.320	16.320	(0.994)	344876	52.6331	52.6	
* 91 1,4-Dichlorobenzene-D4	152	16.425	16.424	(1.000)	224861	50.0000		
92 1,4-Dichlorobenzene	146	16.448	16.448	(1.001)	352368	52.8556	52.8	
93 N-Butylbenzene	91	16.820	16.831	(1.024)	583178	57.8106	57.8	
94 sec-Butylbenzene	105	16.018	16.017	(0.975)	755945	56.5040	56.5	
95 1,2-Dichlorobenzene	146	17.041	17.052	(1.038)	344759	55.0706	55.1	
96 1,2-Dibromo-3-Chloropropane	75	18.216	18.227	(1.109)	37693	55.0743	55.1	
97 1,3,5-Trichlorobenzene	180	18.274	18.273	(1.113)	248126	54.2264	54.2	
98 Hexachlorobutadiene	225	19.204	19.215	(1.169)	96237	52.8655	52.9	
99 1,2,4-Trichlorobenzene	180	19.239	19.250	(1.171)	246829	54.9434	54.9	
100 1,2,3-Trimethylbenzene	105	16.483	16.482	(1.004)	526793	48.0841	48.1	
101 Naphthalene	128	19.739	19.750	(1.202)	502852	54.5226	54.5	
102 1,2,3-Trichlorobenzene	180	20.018	20.030	(1.219)	222172	53.3114	53.3	
103 Methyl Acetate	43	4.958	4.969	(0.544)	135984	53.8784	53.9	
104 Methylcyclohexane	83	9.726	9.737	(1.066)	197723	48.5377	48.5	
M 153 Total Alkylbenzenes	100				4402478	376.996	377	

QC Flag Legend

R - Spike/Surrogate failed recovery limits.

Data File: \\Target_server\GG\chem\gcms-s.i\S062008.b\S1466.D
Report Date: 25-Jun-2008 15:54

Katahdin Analytical Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcms-s.i
Lab File ID: S1466.D
Lab Smp Id: WG52722-1
Analysis Type: VOA
Quant Type: ISTD
Operator: SKT
Calibration Date: 20-JUN-2008
Calibration Time: 07:52
Client Smp ID: WG52722-LCS
Level: LOW
Sample Type: WATER
Method File: \\target_server\GG\chem\gcms-s.i\S062008.b\s826a58.m
Misc Info: SW846 8260B

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 4

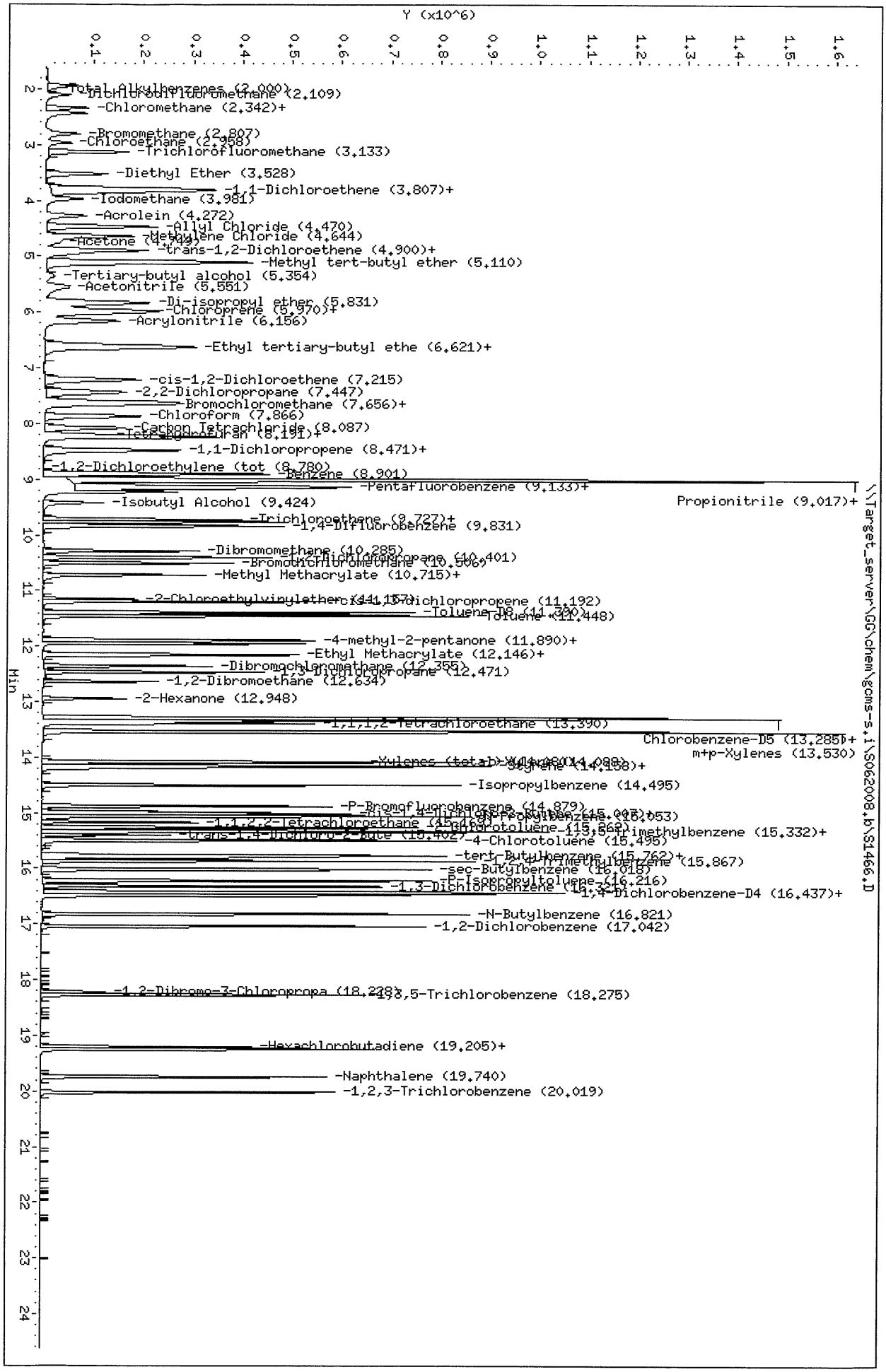
COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	334758	167379	669516	329377	-1.61
49 1,4-Difluorobenze	508159	254080	1016318	466459	-8.21
66 Chlorobenzene-D5	432696	216348	865392	421180	-2.66
91 1,4-Dichlorobenze	230694	115347	461388	224861	-2.53

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	9.12	8.62	9.62	9.12	0.03
49 1,4-Difluorobenze	9.84	9.34	10.34	9.83	-0.09
66 Chlorobenzene-D5	13.28	12.78	13.78	13.29	0.02
91 1,4-Dichlorobenze	16.42	15.92	16.92	16.43	0.02

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.

Data File: \\Target_server\GC\chem\gcms-s.i\S062008.b\S1466.D
Date : 20-JUN-2008 08:36
Client ID: WG52722-LCS
Sample Info: WG52722-1
Purge Volume: 5.0
Column phase: RTX-VMS

Instrument: gcms-s.i
Operator: SKT
Column diameter: 0.18



KATAHDIN ANALYTICAL SERVICES
MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 06/09/08
Received Date: 06/11/08
Extraction Date:
Analysis Date: 06/18/08
Report Date: 06/26/2008
Matrix: WATER

Lab ID: WG52635-3 & WG52635-4
Client ID: GW-MW104-060908MS & GW-MW104-060908MSD
SDG: CTO426-3
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG52635
Units: ug/l

COMPOUND	MS SPIKE	MSD SPIKE	SAMPLE CONC.	MS CONC.	MSD CONC.	MS %REC.	MSD %REC.	%RPD	%RPD LIMIT	QC. LIMITS
Methyl tert-butyl ether	100	100	0.00	114	126	114	126	10	20	71-140
Benzene	50	50	0.00	54	61	107	123	13	20	71-125
Toluene	50	50	0.00	58	62	116	* 123	6	20	79-118
Ethylbenzene	50	50	0.00	58	54	* 117	109	7	20	80-115
Xylenes (total)	150	150	0.00	176	167	* 117	111	5	20	85-114
m+p-Xylenes	100	100	0.00	120	110	* 120	110	9	20	87-113
o-Xylene	50	50	0.00	57	58	114	115	1	20	80-118
Isopropylbenzene	50	50	0.00	68	71	* 137	* 141	3	20	87-129
Naphthalene	50	50	0.00	52	56	104	113	8	20	64-121

FORM III VOA-1

S1431.D & S1432.D

Data File: \\Target_server\GG\chem\gcms-s.i\S061808.b\S1431.D
Report Date: 25-Jun-2008 15:41

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gcms-s.i\S061808.b\S1431.D
Lab Smp Id: WG52635-3 Client Smp ID: GW-MW104-060908MS
Inj Date : 18-JUN-2008 17:56 MS Autotune Date: 21-NOV-2007 15:16
Operator : SKT Inst ID: gcms-s.i
Smp Info : WG52635-3
Misc Info : SW846 8260B
Comment :
Method : \\Target_server\GG\chem\gcms-s.i\S061808.b\s826a58.m
Meth Date : 18-Jun-2008 12:04 gcms-s.i Quant Type: ISTD
Cal Date : 16-JUN-2008 13:32 Cal File: S1375.D
Als bottle: 17 QC Sample: MS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TETRAT426001.sub
Target Version: 4.12
Processing Host: MIS_2

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)	REVIEW CODE
	19 Methyl tert-butyl ether	73	5.121	5.120	(0.561)	898057	114.560	114	
	41 Benzene	78	8.912	8.900	(0.905)	643427	53.6699	53.7	
	57 Toluene	92	11.459	11.458	(1.164)	429769	58.1891	58.2	
	68 Ethylbenzene	106	13.355	13.354	(1.004)	242030	58.3133	58.3(R)	
M	70 Xylenes (total)	106				913309	176.442	176(R)	
	71 m+p-Xylenes	106	13.541	13.540	(1.018)	613581	119.507	120(R)	
	72 o-Xylene	106	14.099	14.087	(1.060)	299728	56.9342	56.9	
	75 Isopropylbenzene	105	14.506	14.505	(0.883)	768951	68.4644	68.5(R)	
	101 Naphthalene	128	19.751	19.750	(1.202)	479710	52.0175	52.0	
$	37 Dibromofluoromethane	113	8.261	8.249	(0.904)	167763	47.9129	47.9	
$	45 1,2-Dichloroethane-D4	65	9.133	9.132	(1.000)	193099	48.0620	48.1	
$	55 Toluene-D8	98	11.401	11.400	(1.158)	521121	51.4549	51.4	
$	76 P-Bromofluorobenzene	95	14.890	14.878	(1.513)	237625	54.2647	54.3	
*	42 Pentafluorobenzene	168	9.133	9.132	(1.000)	337430	50.0000		
*	49 1,4-Difluorobenzene	114	9.842	9.842	(1.000)	502843	50.0000		
*	66 Chlorobenzene-D5	117	13.296	13.284	(1.000)	429369	50.0000		
*	91 1,4-Dichlorobenzene-D4	152	16.437	16.424	(1.000)	224843	50.0000		

QC Flag Legend

R - Spike/Surrogate failed recovery limits.

Data File: \\Target_server\GG\chem\gcms-s.i\S061808.b\S1431.D
Report Date: 25-Jun-2008 15:41

Katahdin Analytical Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcms-s.i
Lab File ID: S1431.D
Lab Smp Id: WG52635-3
Analysis Type: VOA
Quant Type: ISTD
Operator: SKT
Method File: \\Target_server\GG\chem\gcms-s.i\S061808.b\s826a58.m
Misc Info: SW846 8260B

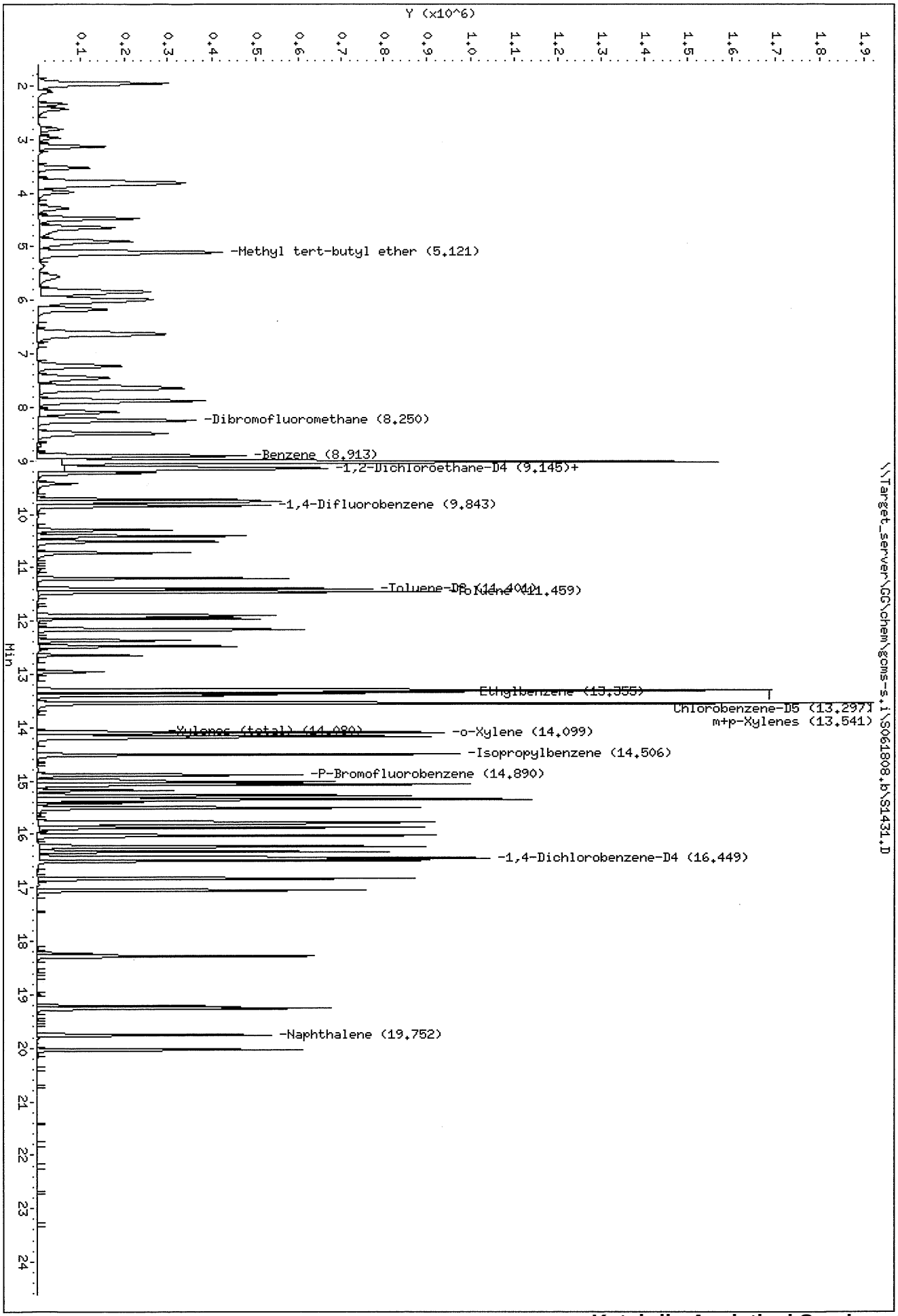
Calibration Date: 18-JUN-2008
Calibration Time: 09:16
Client Smp ID: GW-MW104-060908
Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 4

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	310366	155183	620732	337430	8.72
49 1,4-Difluorobenze	471386	235693	942772	502843	6.67
66 Chlorobenzene-D5	391075	195538	782150	429369	9.79
91 1,4-Dichlorobenze	206672	103336	413344	224843	8.79

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	9.13	8.63	9.63	9.13	0.07
49 1,4-Difluorobenze	9.85	9.35	10.35	9.84	-0.05
66 Chlorobenzene-D5	13.29	12.79	13.79	13.30	0.05
91 1,4-Dichlorobenze	16.43	15.93	16.93	16.44	0.04

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.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Date : 18-JUN-2008 17:56
Client ID: GW-MW104-060908HS
Sample Info: WG52635-3
Instrument: gcms-s.i
\\Target_server\GC\chem\gcms-s.i\S061808.b\S1431.D
Y (x10^6)
Min
-Methyl tert-butyl ether (5.121)
-Dibromofluoromethane (8.250)
-Benzene (8.913)
-1,2-Dichloroethane-D4 (9.145)+
-1,4-Difluorobenzene (9.843)
-Toluene-D8 (11.459)
Toluene (11.459)
Ethylbenzene (13.355)
Chlorobenzene-D5 (13.297)
m+p-Xylenes (13.541)
-Xylenes (total) (14.080)
-o-Xylene (14.099)
-Isopropylbenzene (14.506)
-P-Bromofluorobenzene (14.890)
-1,4-Dichlorobenzene-D4 (16.449)
-Naphthalene (19.752)

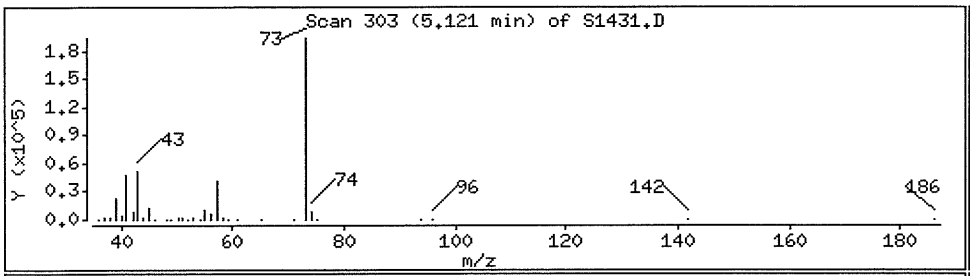
Data File: \\Target_server\GC\chem\gcms-s.i\S061808.b\S1431.D

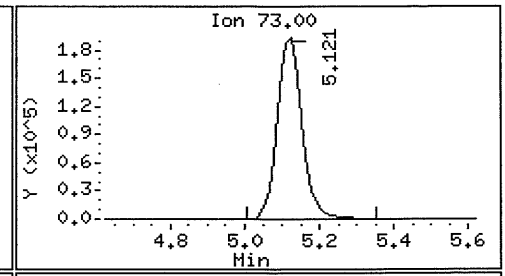
Date : 18-JUN-2008 17:56

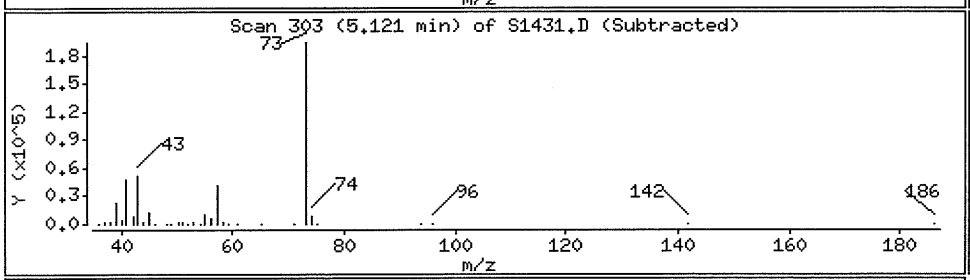
Client ID: GW-MW104-060908MS Instrument: gcms-s.i

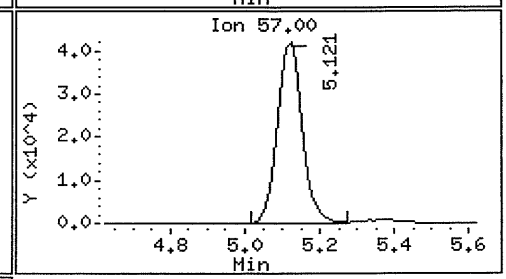
Sample Info: WG52635-3

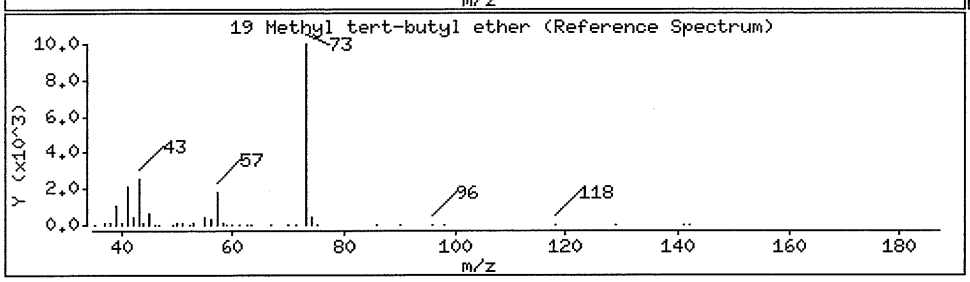
19 Methyl tert-butyl ether Concentration: 114 ug/l



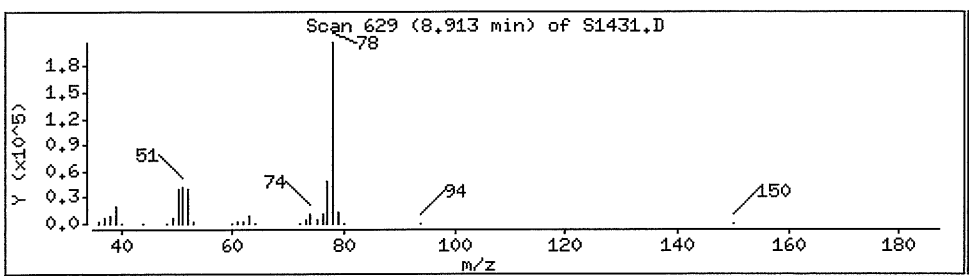


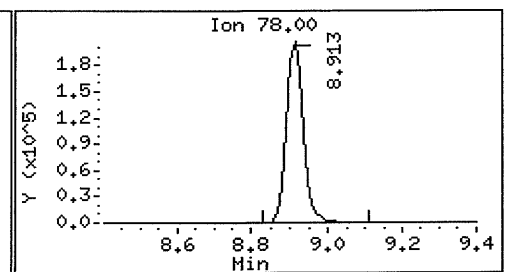


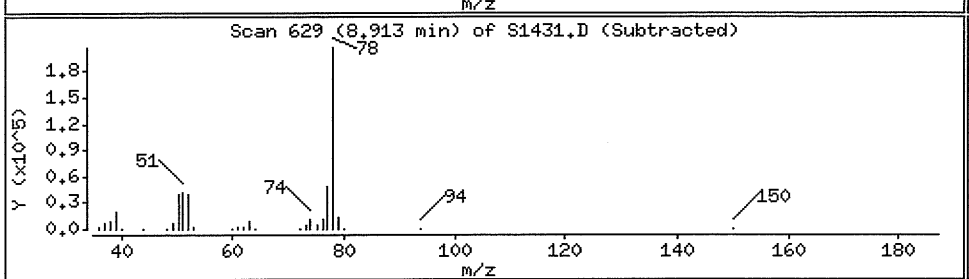


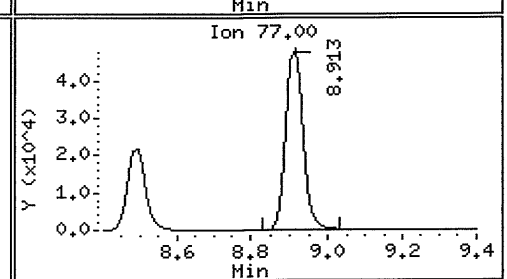


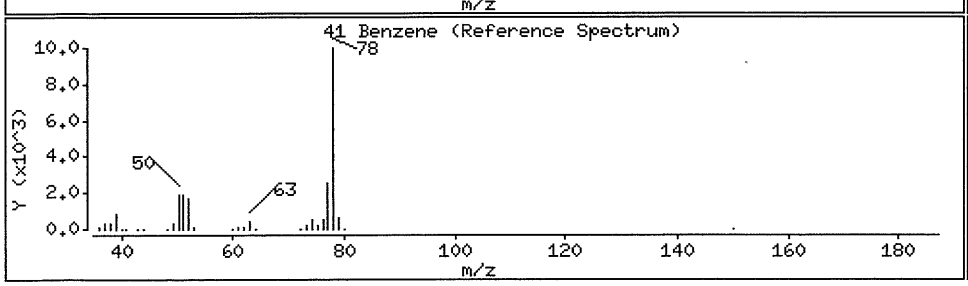
41 Benzene Concentration: 53.7 ug/l

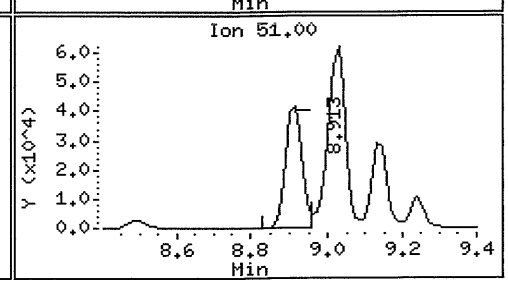












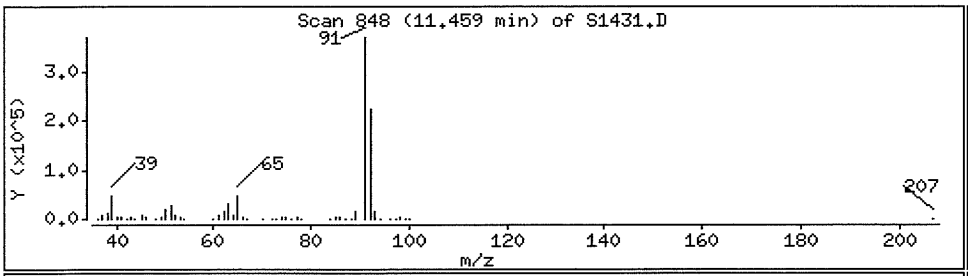
Data File: \\Target_server\GC\chem\gcms-s.i\S061808.b\S1431.D

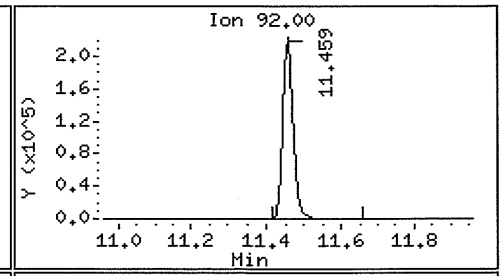
Date : 18-JUN-2008 17:56

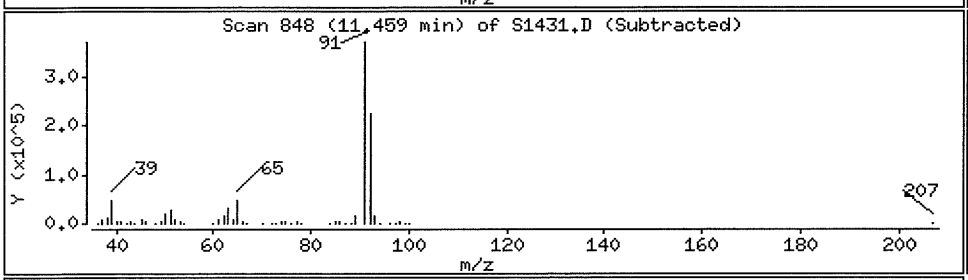
Client ID: GW-MW104-060908MS Instrument: gcms-s.i

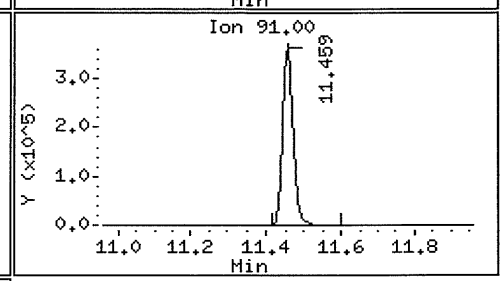
Sample Info: WG52635-3

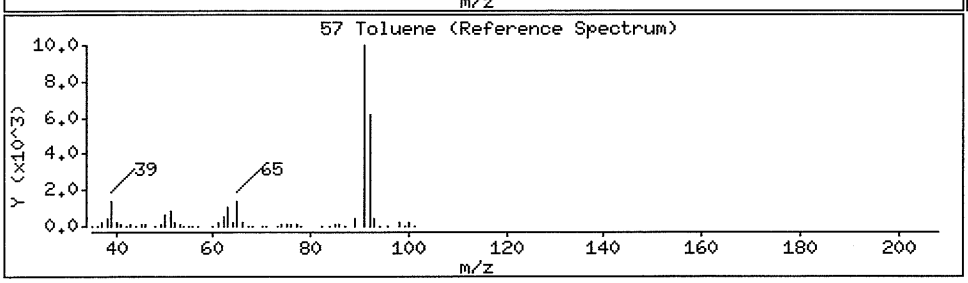
57 Toluene Concentration: 58.2 ug/l



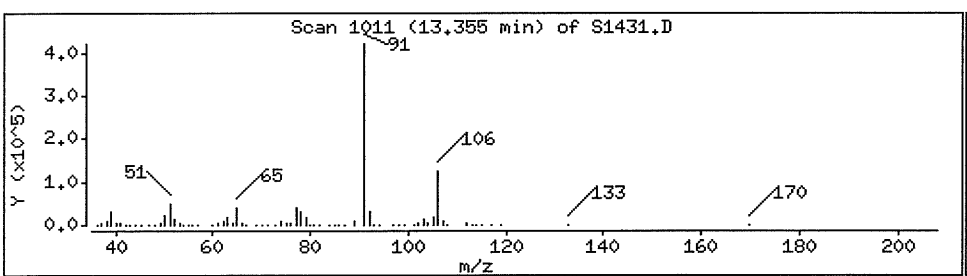


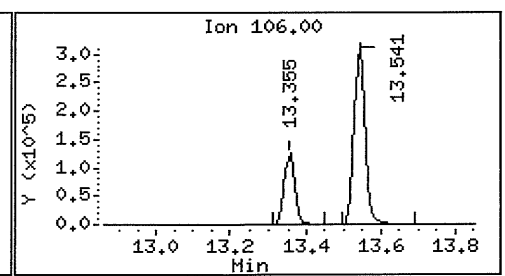


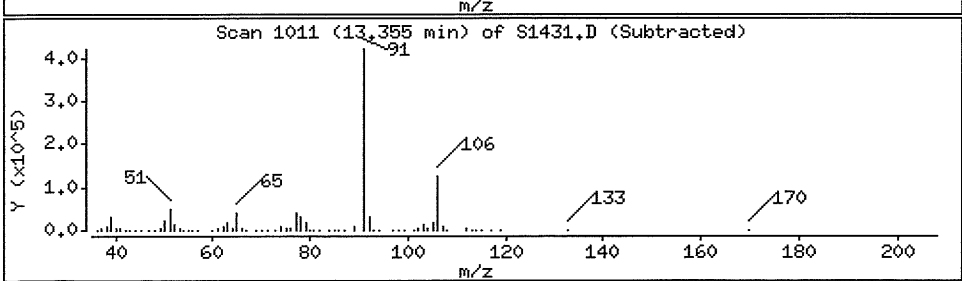


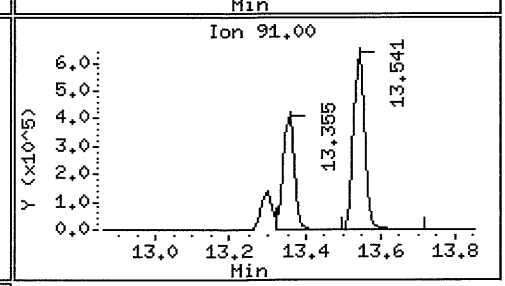


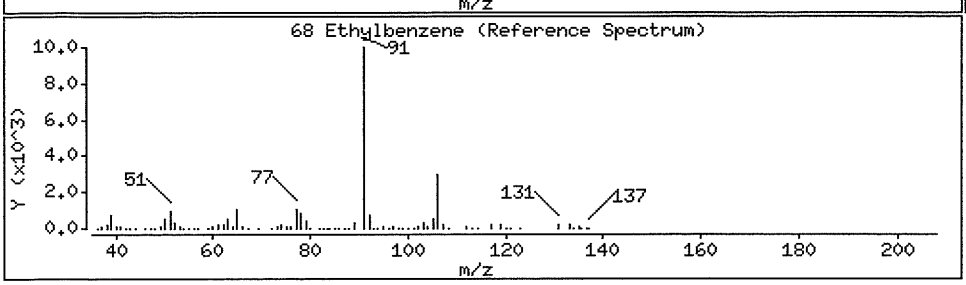
68 Ethylbenzene Concentration: 58.3 ug/l











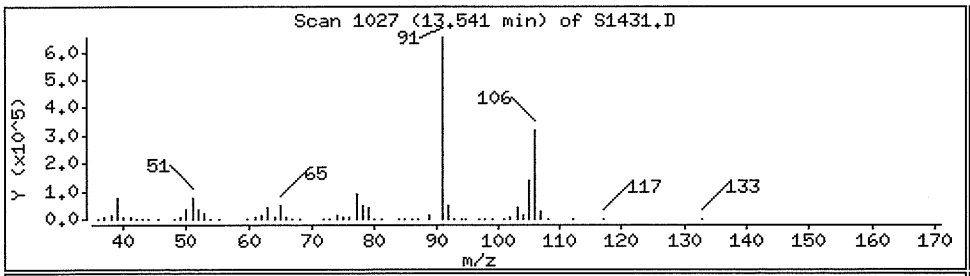
Data File: \\Target_server\GC\chem\gcms-s.i\S061808.b\S1431.D

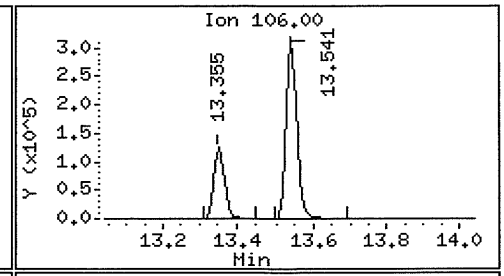
Date : 18-JUN-2008 17:56

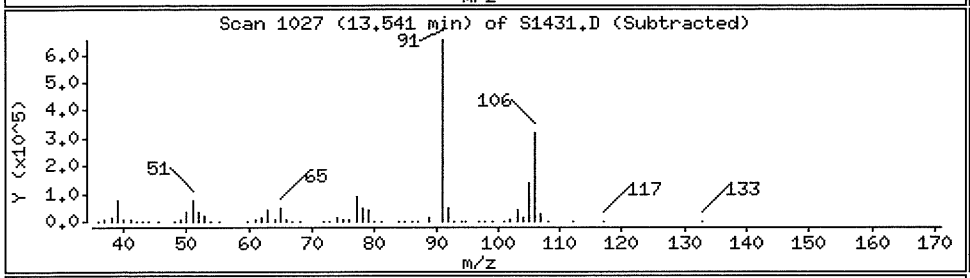
Client ID: GW-MW104-060908MS Instrument: gcms-s.i

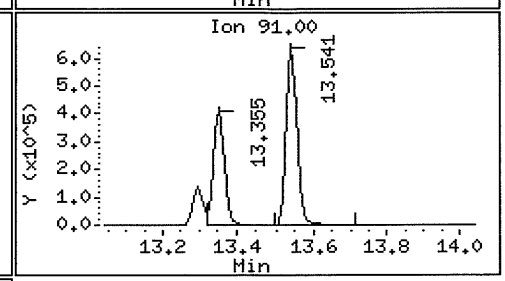
Sample Info: WG52635-3

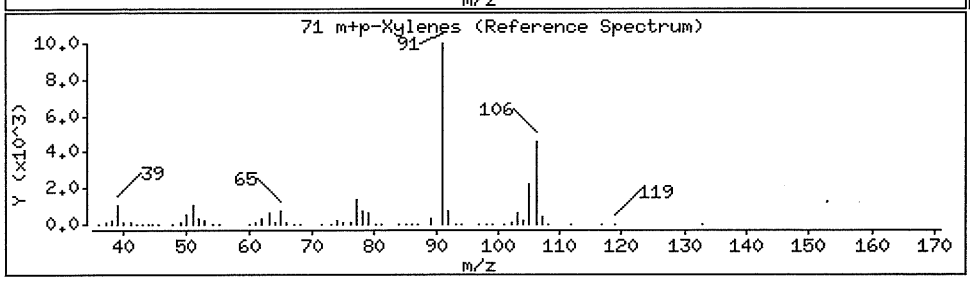
71 m+p-Xylenes Concentration: 120 ug/l



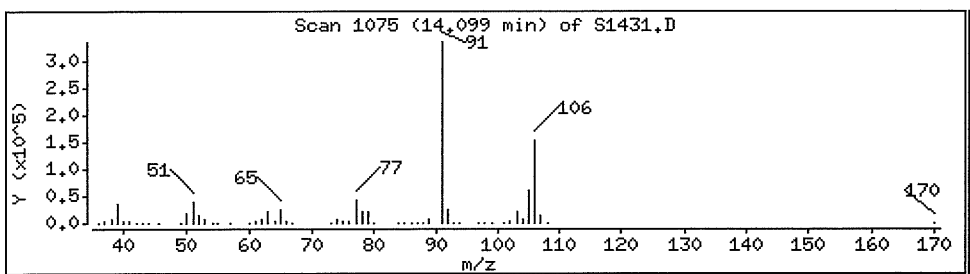


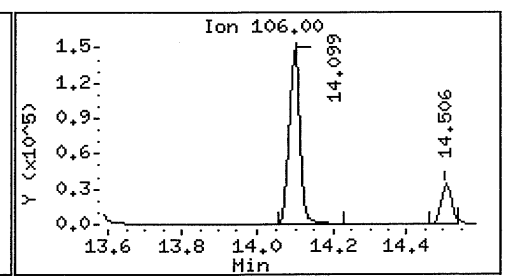


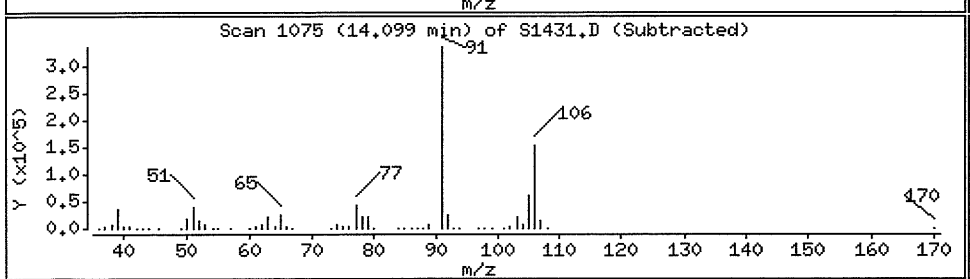


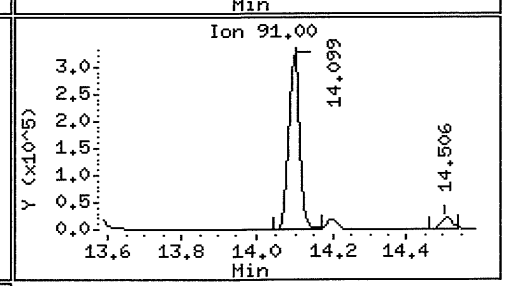


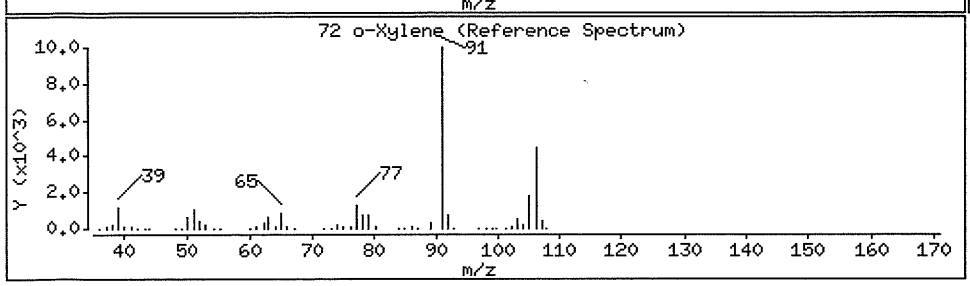
72 o-Xylene Concentration: 56.9 ug/l











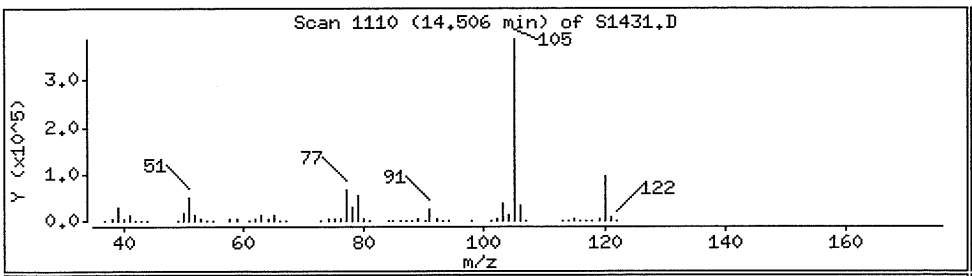
Data File: \\Target_server\GC\chem\gcms-s.i\S061808.b\S1431.D

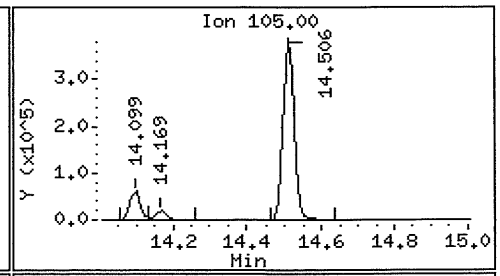
Date : 18-JUN-2008 17:56

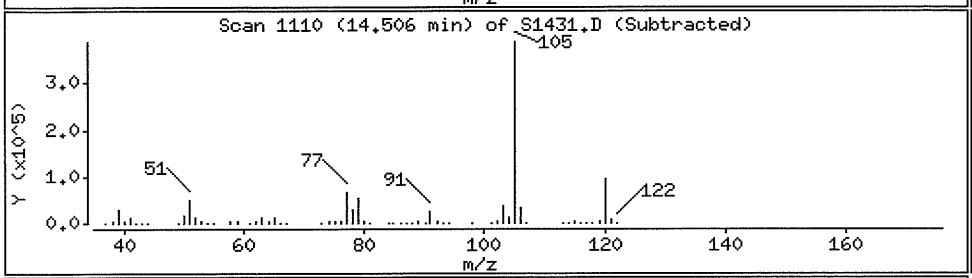
Client ID: GW-MW104-060908MS Instrument: gcms-s.i

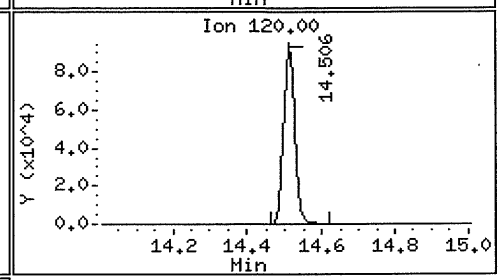
Sample Info: WG52635-3

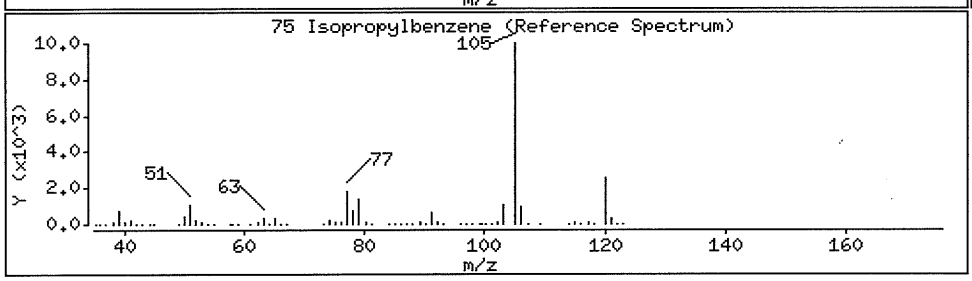
75 Isopropylbenzene Concentration: 68.5 ug/l



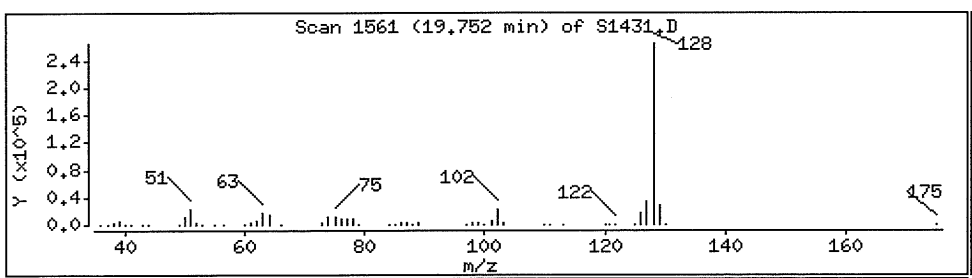


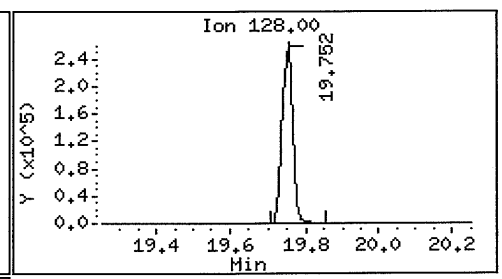


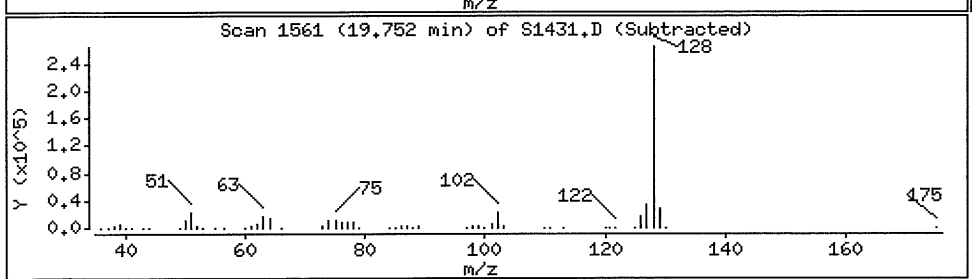


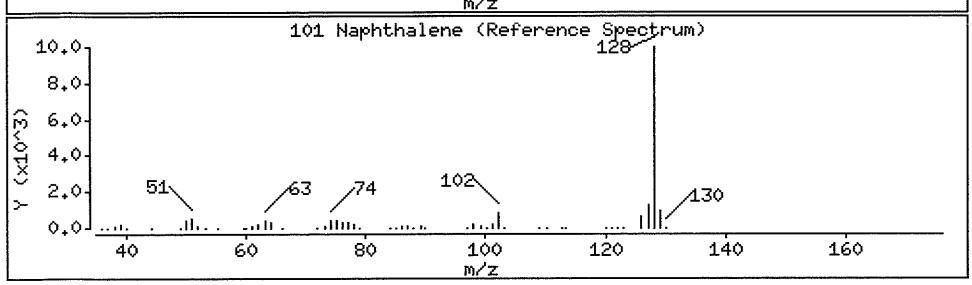


101 Naphthalene Concentration: 52.0 ug/l









Data File: \\Target_server\GG\chem\gcms-s.i\S061808.b\S1432.D
Report Date: 25-Jun-2008 15:41

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gcms-s.i\S061808.b\S1432.D
Lab Smp Id: WG52635-4 Client Smp ID: GW-MW104-060908MSD
Inj Date : 18-JUN-2008 18:28 MS Autotune Date: 21-NOV-2007 15:16
Operator : SKT Inst ID: gcms-s.i
Smp Info : WG52635-4
Misc Info : SW846 8260B
Comment :
Method : \\Target_server\GG\chem\gcms-s.i\S061808.b\s826a58.m
Meth Date : 18-Jun-2008 12:04 gcms-s.i Quant Type: ISTD
Cal Date : 16-JUN-2008 13:32 Cal File: S1375.D
Als bottle: 18 QC Sample: MSD
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TETRAT426001.sub
Target Version: 4.12
Processing Host: MIS_2

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)	REVIEW CODE
	19 Methyl tert-butyl ether	73	5.131	5.120	(0.562)	924122	126.335	126	
	41 Benzene	78	8.911	8.900	(0.905)	656002	61.3063	61.3	
	57 Toluene	92	11.458	11.458	(1.164)	405568	61.5231	61.5(R)	
	68 Ethylbenzene	106	13.353	13.354	(1.004)	215846	54.3598	54.4	
M	70 Xylenes (total)	106				828336	167.183	167	
	71 m+p-Xylenes	106	13.539	13.540	(1.018)	538592	109.652	110	
	72 o-Xylene	106	14.098	14.087	(1.060)	289744	57.5302	57.5	
	75 Isopropylbenzene	105	14.505	14.505	(0.883)	742781	70.6940	70.7(R)	
	101 Naphthalene	128	19.750	19.750	(1.202)	487312	56.4851	56.5	
$	37 Dibromofluoromethane	113	8.259	8.249	(0.904)	168459	51.5603	51.6	
$	45 1,2-Dichloroethane-D4	65	9.143	9.132	(1.001)	180524	48.1528	48.2	
$	55 Toluene-D8	98	11.399	11.400	(1.158)	474494	52.4912	52.5	
$	76 P-Bromofluorobenzene	95	14.888	14.878	(1.513)	216071	55.2828	55.3	
*	42 Pentafluorobenzene	168	9.132	9.132	(1.000)	314861	50.0000		
*	49 1,4-Difluorobenzene	114	9.841	9.842	(1.000)	448812	50.0000		
*	66 Chlorobenzene-D5	117	13.295	13.284	(1.000)	410767	50.0000		
*	91 1,4-Dichlorobenzene-D4	152	16.435	16.424	(1.000)	210341	50.0000		

QC Flag Legend

R - Spike/Surrogate failed recovery limits.

Data File: \\Target_server\GG\chem\gcms-s.i\S061808.b\S1432.D
Report Date: 25-Jun-2008 15:41

Katahdin Analytical Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcms-s.i
Lab File ID: S1432.D
Lab Smp Id: WG52635-4
Analysis Type: VOA
Quant Type: ISTD
Operator: SKT
Method File: \\Target_server\GG\chem\gcms-s.i\S061808.b\s826a58.m
Misc Info: SW846 8260B

Calibration Date: 18-JUN-2008
Calibration Time: 09:16
Client Smp ID: GW-MW104-060908
Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 4

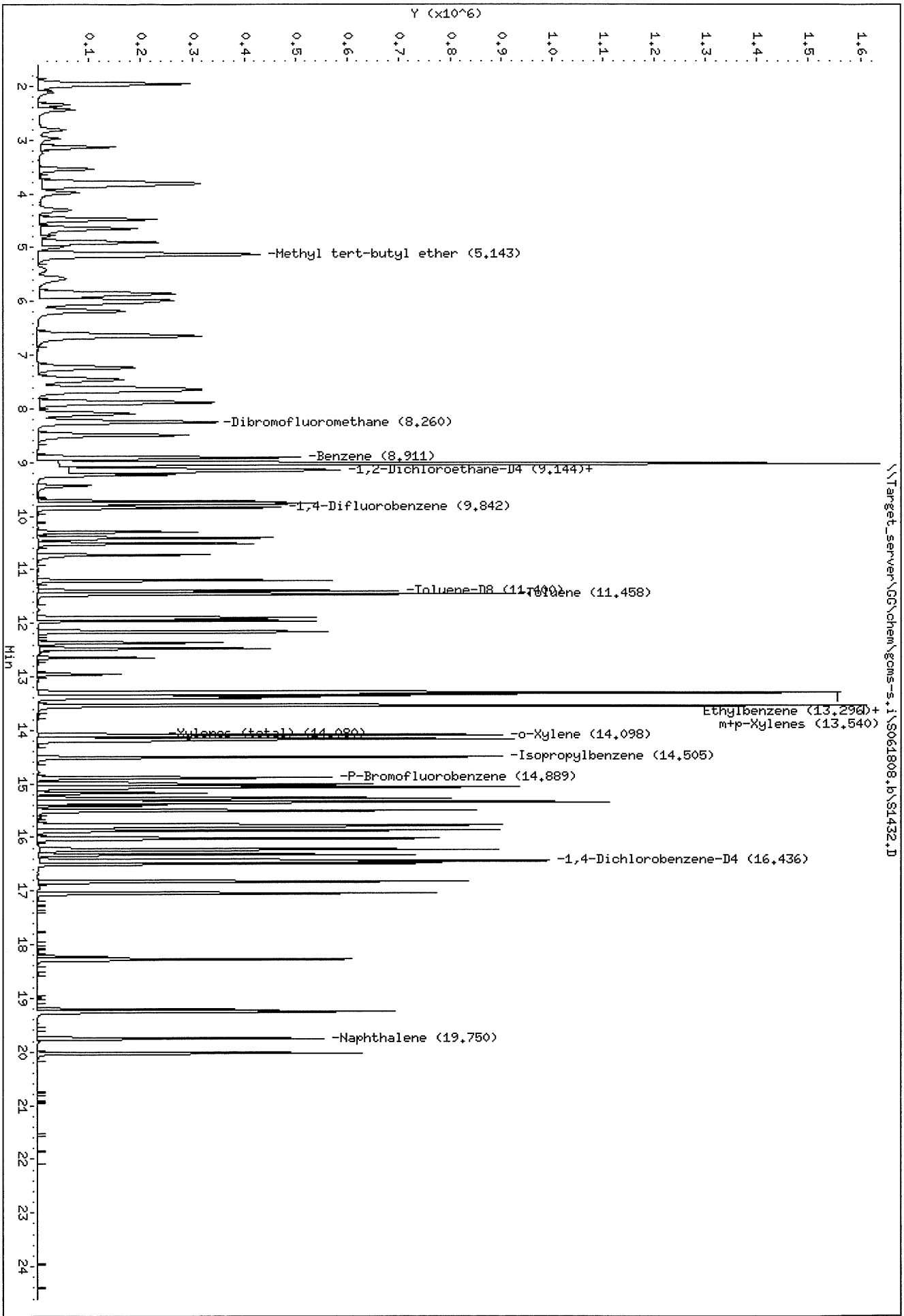
COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	310366	155183	620732	314861	1.45
49 1,4-Difluorobenze	471386	235693	942772	448812	-4.79
66 Chlorobenzene-D5	391075	195538	782150	410767	5.04
91 1,4-Dichlorobenze	206672	103336	413344	210341	1.78

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	9.13	8.63	9.63	9.13	0.06
49 1,4-Difluorobenze	9.85	9.35	10.35	9.84	-0.07
66 Chlorobenzene-D5	13.29	12.79	13.79	13.30	0.04
91 1,4-Dichlorobenze	16.43	15.93	16.93	16.44	0.03

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.

Data File: \\Target_server\GC\chem\gcms-s.i\S061808.b\S1432.D
Date : 18-JUN-2008 18:28
Client ID: GW-MW104-060908MSD
Sample Info: WG52635-4

Instrument: gcms-s.i



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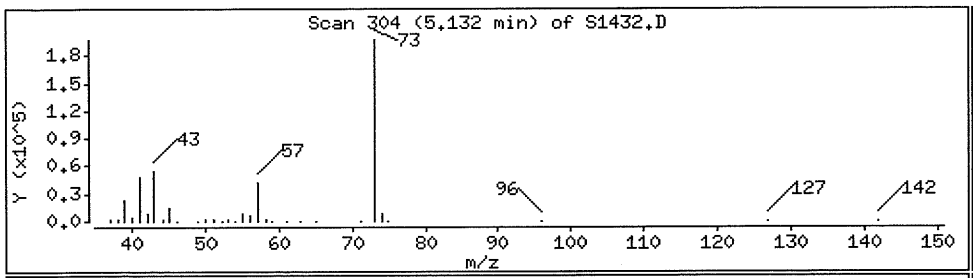
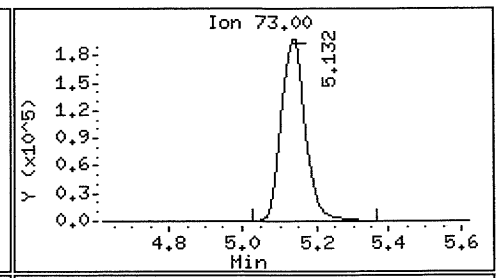
Date : 18-JUN-2008 18:28

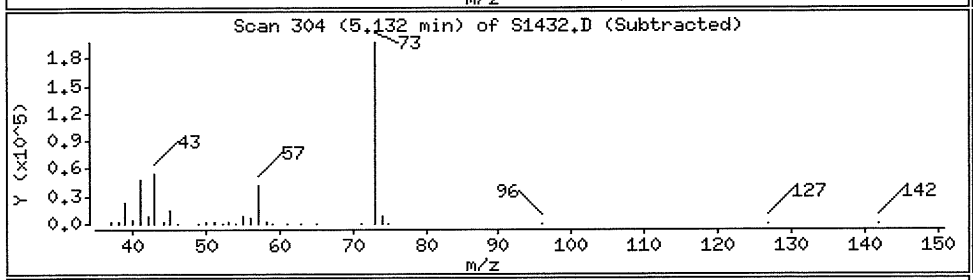
Client ID: GW-MW104-060908MSD Instrument: gcms-s.i

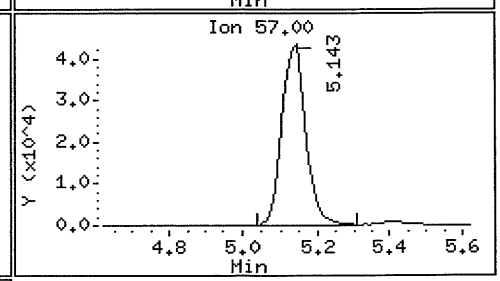
Sample Info: WG52635-4

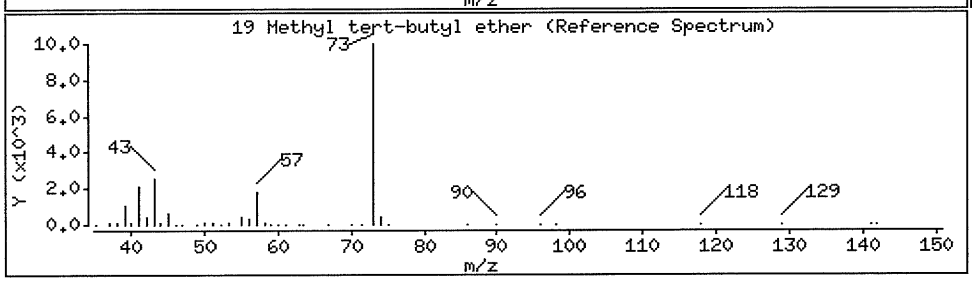
19 Methyl tert-butyl ether Concentration: 126 ug/l



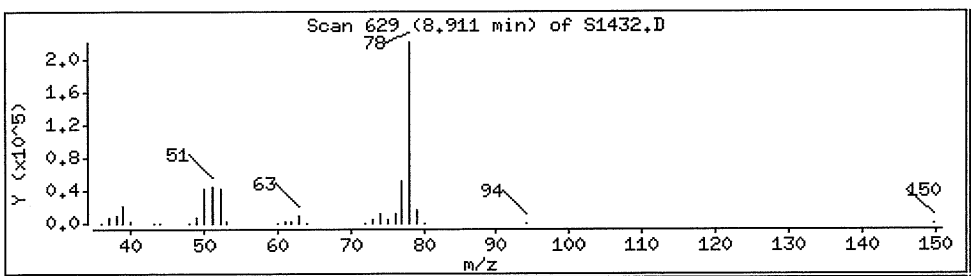


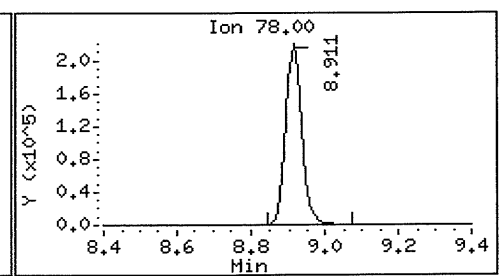


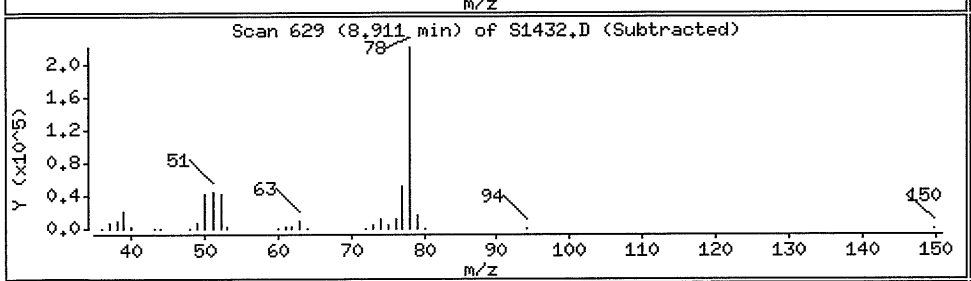


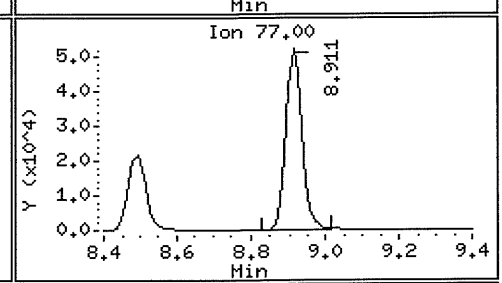


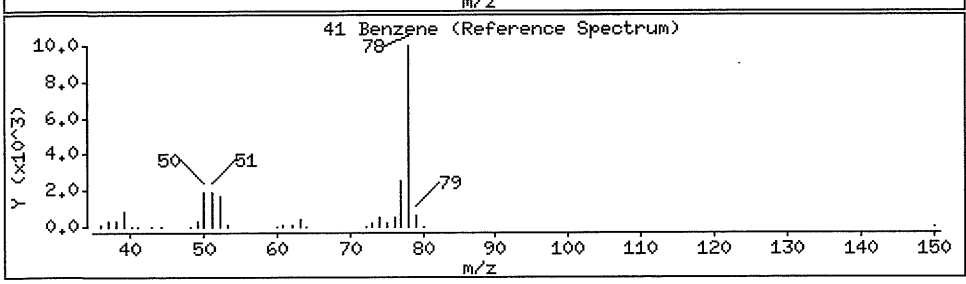
41 Benzene Concentration: 61.3 ug/l

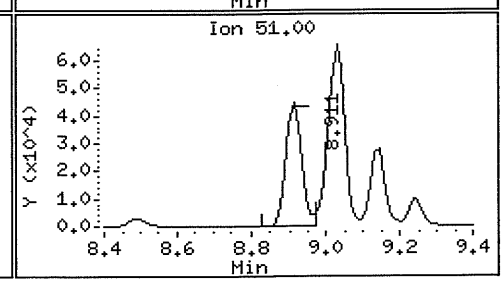












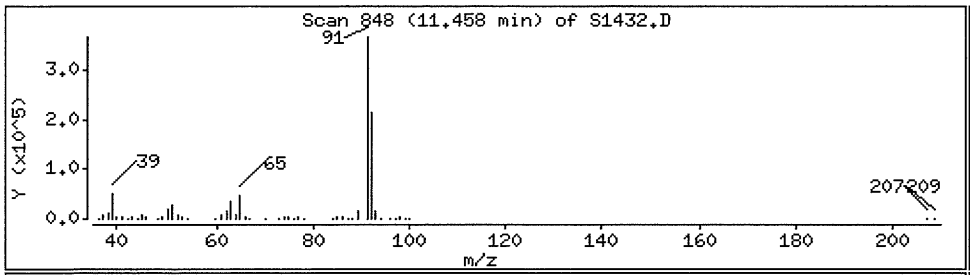
Data File: \\Target_server\GC\chem\gcms-s.i\S061808.b\S1432.D

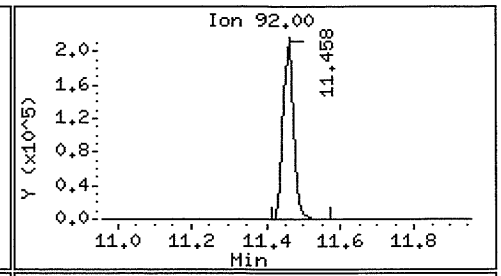
Date : 18-JUN-2008 18:28

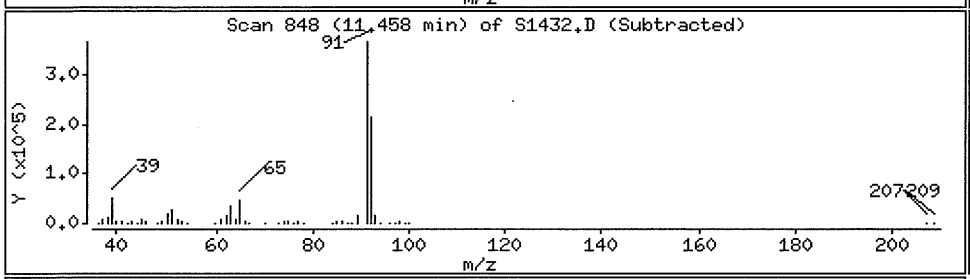
Client ID: GW-MW104-060908MSD Instrument: gcms-s.i

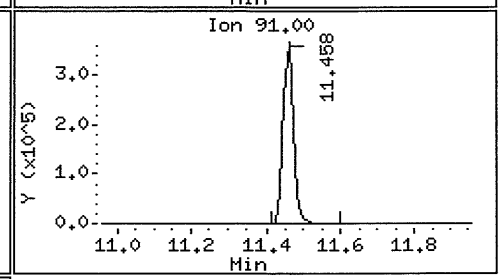
Sample Info: WG52635-4

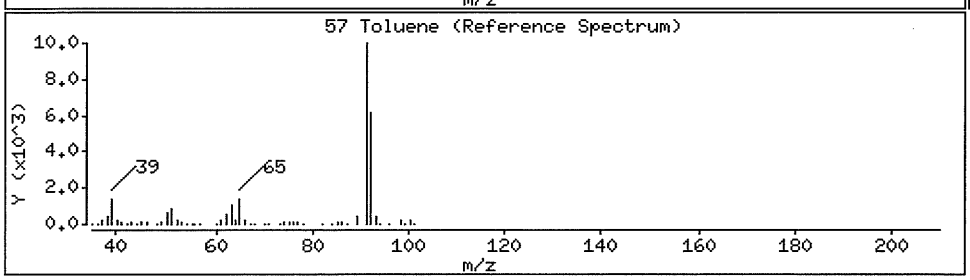
57 Toluene Concentration: 61.5 ug/l



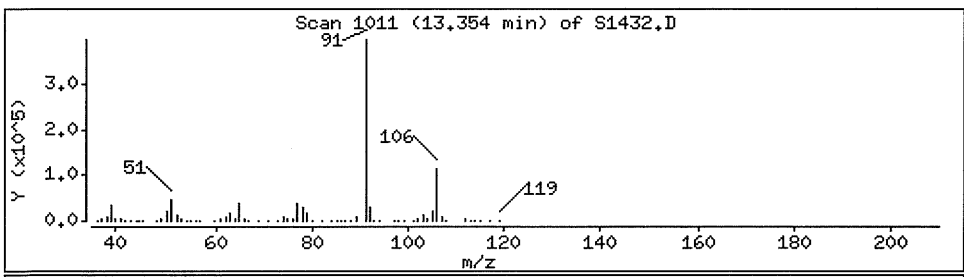


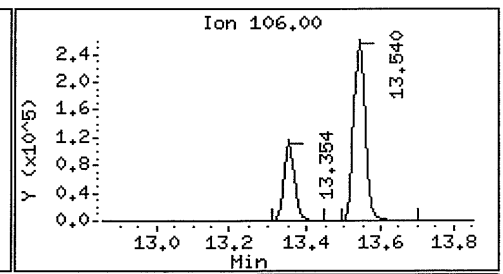


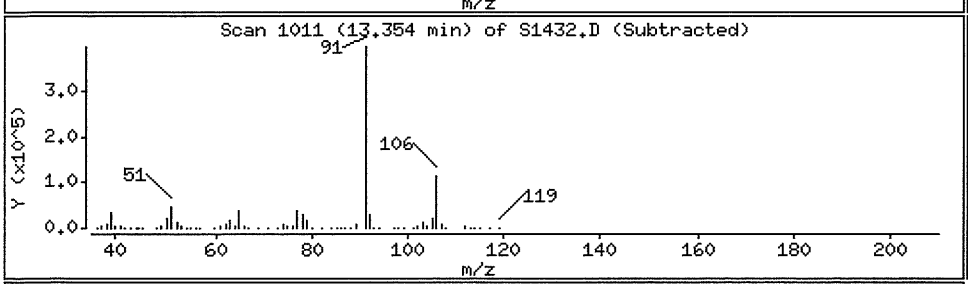


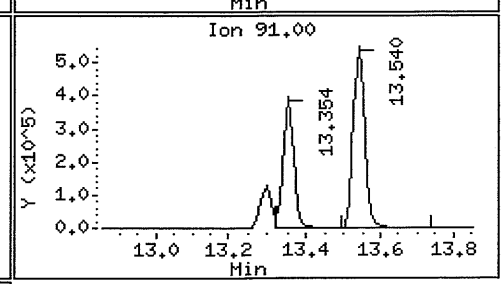


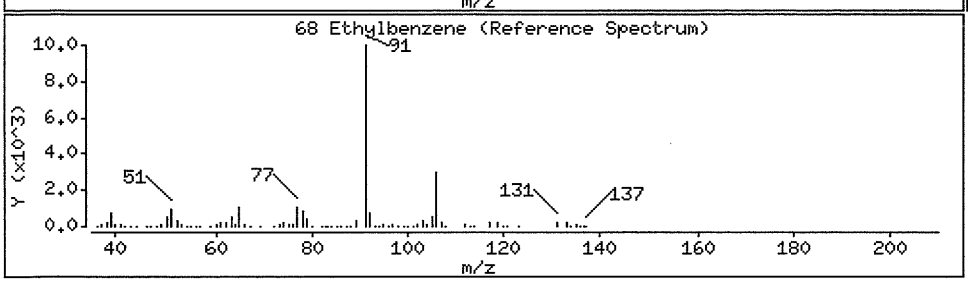
68 Ethylbenzene Concentration: 54.4 ug/l











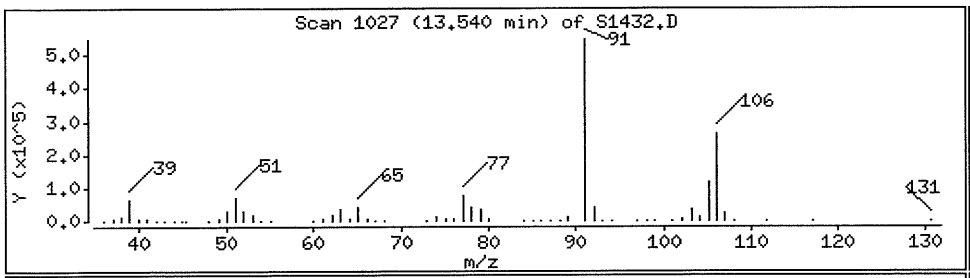
Data File: \\Target_server\GC\chem\gcms-s.i\S061808.b\S1432.D

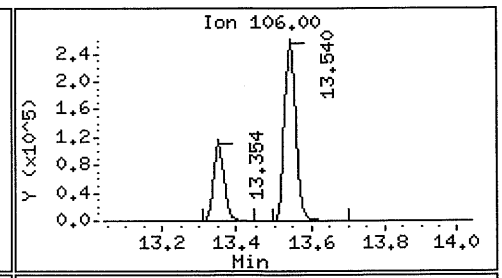
Date : 18-JUN-2008 18:28

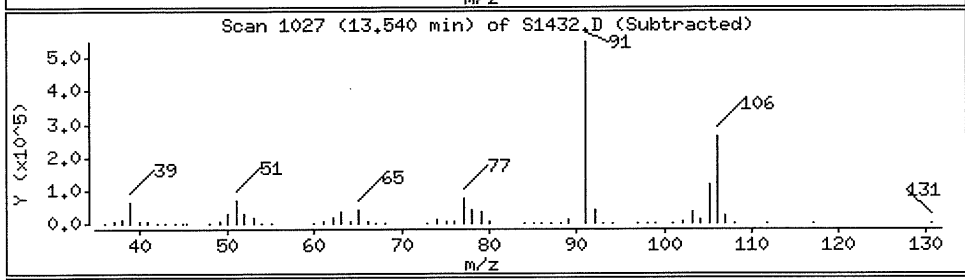
Client ID: GW-MW104-060908MSD Instrument: gcms-s.i

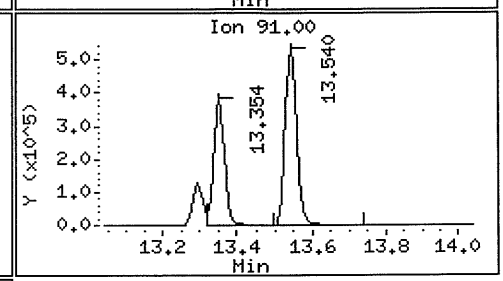
Sample Info: WG52635-4

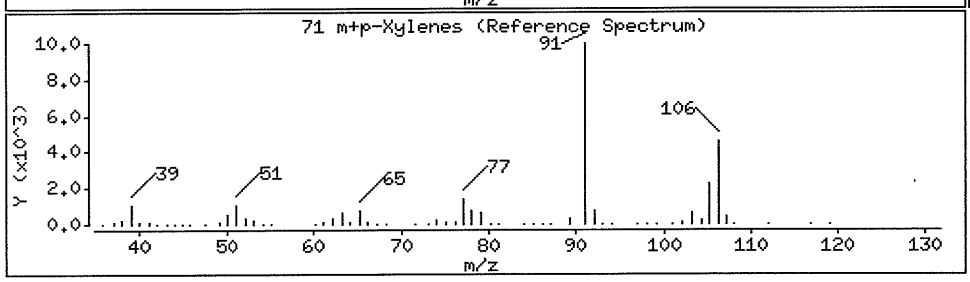
71 m+p-Xylenes Concentration: 110 ug/l



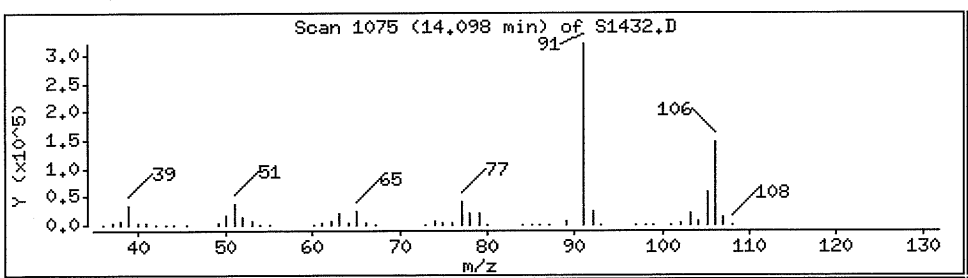


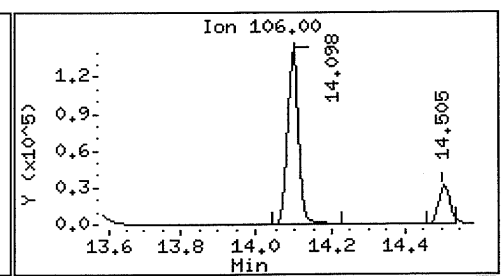


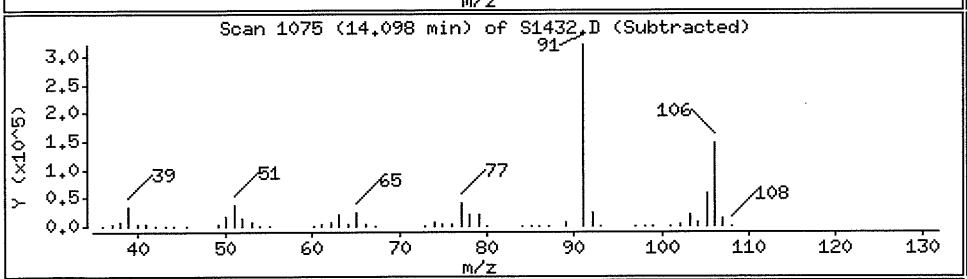


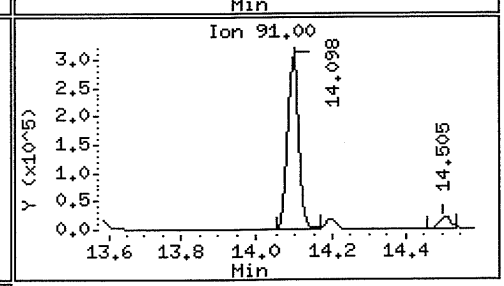


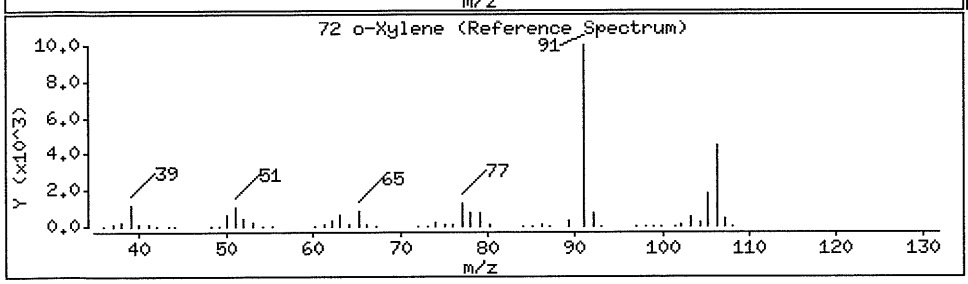
72 o-Xylene Concentration: 57.5 ug/l











Data File: \\Target_server\GC\chem\gcms-s.i\S061808.b\S1432.D

Date : 18-JUN-2008 18:28

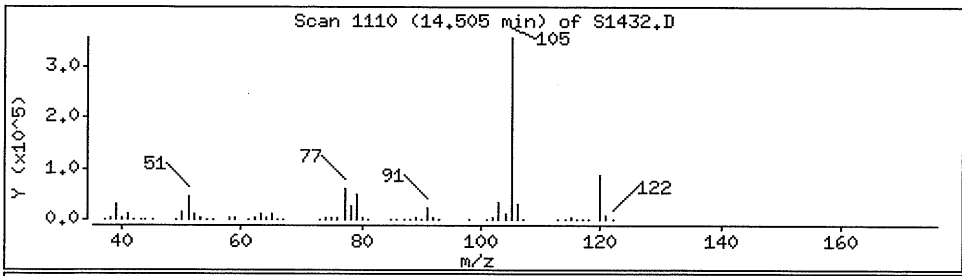
Client ID: GW-MW104-060908MSD

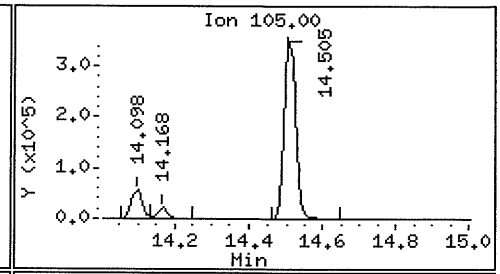
Instrument: gcms-s.i

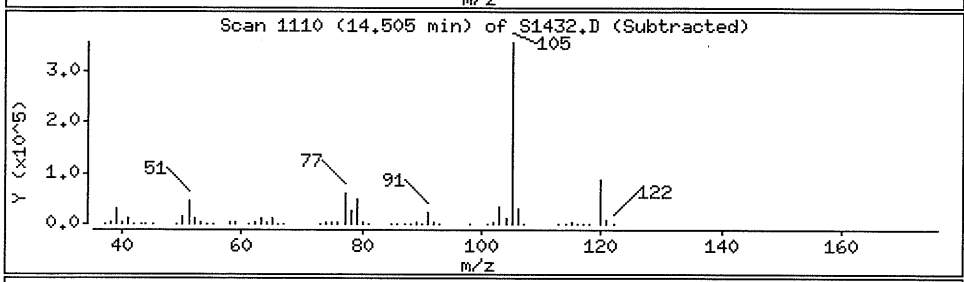
Sample Info: WG52635-4

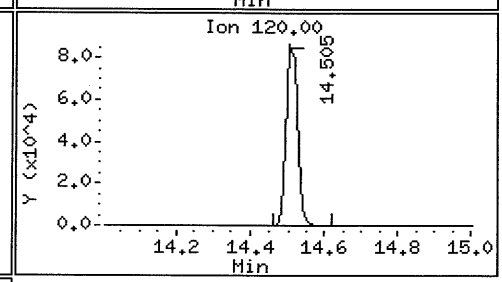
75 Isopropylbenzene

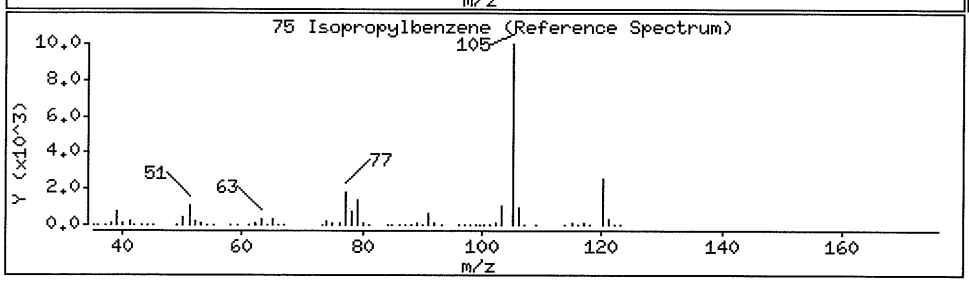
Concentration: 70.7 ug/l





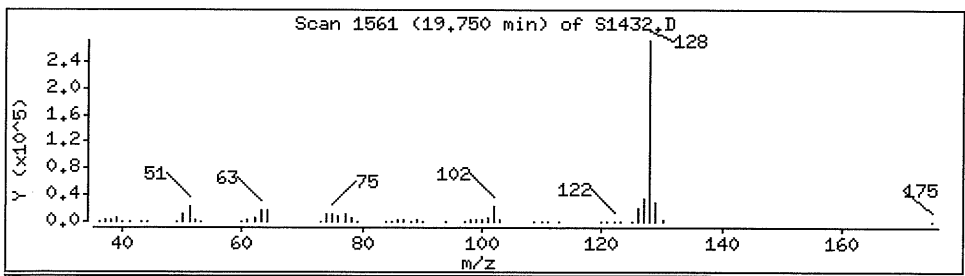


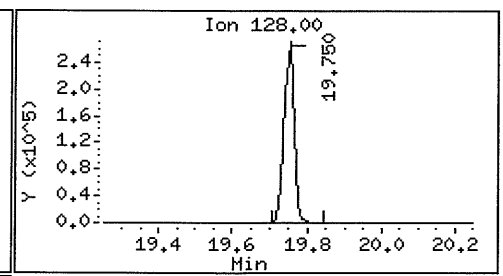


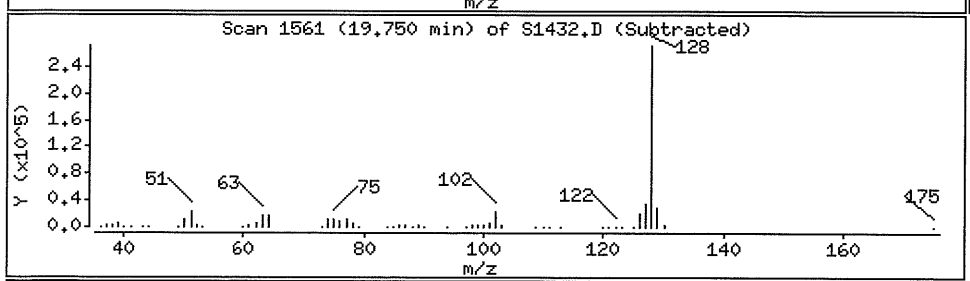


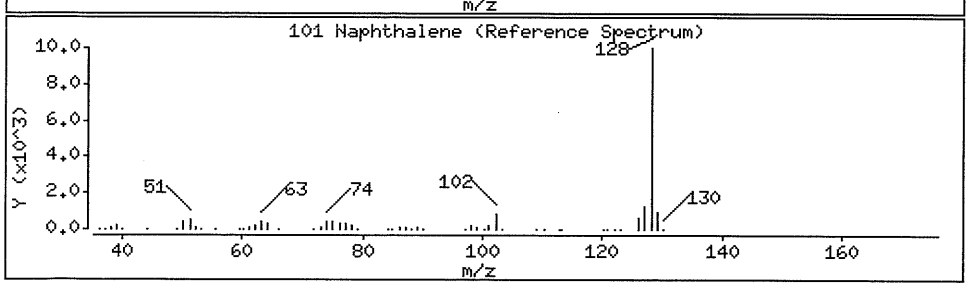
101 Naphthalene

Concentration: 56.5 ug/l









Logbooks and Supporting Documents

KATAHDIN ANALYTICAL SERVICES
GCMS-F INSTRUMENT RUNLOG

DATE/TIME OF BFB INJECTION: 061308
Reviewed by/Date:

SAMPLE NAME	DATAFILE	DF	ALS #	METHOD	Y/N	MS/MSD	PH	ANALYST	COMMENTS
50NG BFB	FB955	—	—	BFB288AQ	Y	NA	NA	SKT	
RINSE	F0833	1	1	F826A08/	—				
VSTD200F13A *	F0834	1	2	F624AC13	Y				
VSTD100F13A *	F0835	1	3		Y				
VSTD050F13A *	F0836	1	4		Y				
VSTD020F13A *	F0837	1	5		Y				
VSTD005F13A *	F0838	1	6		Y				
VSTD001F13A *	F0839	1	7		Y				2nd source next batch

SKT 061308

STANDARD	CODE
BFB	V2074
CAL. STD. ER SKT	~~V2079~~ V2113
LCS/MS MIX 061308	V2104
EXTRAS MIX	~~V2084~~ V2114

STANDARD	CODE
IS MIX	V2112
SS MIX	V2109

Circle Methods:

SW846 8260
EPA 624
EPA 524
SIM

OLM 04.2
OLM 03.1
OLC 02.1
OLC 03.2

QAMS376

Katahdin Analytical Services 1000285
0000044

KATAHDIN ANALYTICAL SERVICES
GCMS-F INSTRUMENT RUNLOG

DATE/TIME OF BFB INJECTION: 061808 09:23
Reviewed by/Date:

SAMPLE NAME	DATAFILE	DF	ALS #	METHOD	Y/N	MS/MSD	PH	ANALYST	COMMENTS
50 ng BFB	FB960	1	–	BFB288AQ	Y	–	–	TTC	
VSTD050F18A	F0958	1	1	F826A08	N	–	–		IS/SS↓
VSTD050F18B	F0959	1	2		Y	–	–		
LCSA	F0960	1	3		N	–	–		Failed DoD.
LCSB WG52642-1	F0961	1	4		Y	–	–		
VBLK A	F0962	1	5		N	–	–		Target hits.
VBLKB WG52642-2	F0963	1	6		Y	–	–		
SB3062-1DL B	F0964	1:5	7		~~5~~ Y	50	<2		8mL/40mL
-2 RA B	F0965	1	8		Y	51	<2		
-3 RA B	F0966	1	9		Y	52	<2		
-4RA B	F0967	1	10		Y	53	<2		~~1SS↑~~ E3 SKT 061908
-5RA B	F0968	1	11		N	54	<2		2SS↑ RA
SB3104-1RA B	F0969	1	12		N	55	<2		1SS↑
-2 A	F0970	1	13		N	56	<2		2SS↑
-3 A	F0971	1	14		N	57	<2		1SS↑
-4 A	F0972	1	15		N	58	<2		1SS↑
SB3059-6 A	F0973	1	16		N	59	<2		2SS↑
-7 A	F0974	1	17		N	60	<2		1SS↑
-8 A	F0975	1	18		Y	61	<2		
SB3147-1 A	F0976	1	19		N	62	<2		1SS↑ RL
SB3104-2MS B	F0977	1	20		N	MS	<2		WG52642-3 BAD SPIKE RA
-2MSD C	F0978	1	21		N	MSD	<2		WG52642-4 ↓ ✓21:10✓
Rinse	F0979	1	22		–	—	–		
Rinse	F0980	1	23		–	—	–		
Rinse	F0981	1	24	↓	–	—	–	↓	
									TTC - 6/19/08

STANDARD	CODE
BFB	V2074
CAL. STD.	V2113
LCS/MS MIX	V2118
EXTRAS MIX	V2114

STANDARD	CODE
IS MIX	V2112
SS MIX	V2109

~~Circle Methods:~~
SW846 8260
~~EPA 624~~
EPA 524
SIM

OLM 04.2
OLM 03.1
OLC 02.1
OLC 03.2

QAMS376

Katahdin Analytical Services 08082886

KATAHDIN ANALYTICAL SERVICES
GCMS-S INSTRUMENT RUNLOG

DATE/TIME OF BFB INJECTION: 061608 08:40
Reviewed by/Date:

SAMPLE NAME	DATAFILE	DF	ALS #	METHOD	Y/N	MS/MSD	PH	ANALYST	COMMENTS
50 NG BFB	S8841	—	—	BFB288AR	Y	NA	NA	SKT	
RINSE	S1367	1	1	S826A58/	—				
VSTD200S16A	S1368	1	2	S624A632	Y				
VSTD100S16A	S1369	1	3		Y				
VSTD050S16A	S1370	1	4		Y				CURVE OK
VSTD020S16A	S1371	1	5		Y				
VSTD005S16A	S1372	1	6		Y				
VSTD001S16A	S1373	1	7		N				dd resp reprep
RINSE	S1374	1	8		—	—	—		
VSTD001S16B	S1375	1	9		Y	NA	NA		
LCSW WG52580-1	S1376	1	10		Y				
VBLKA	S1377	1	11		N				target hits
VBLKB WG52580-2	S1378	1	12		Y				
SB3092-1 A	S1379	1	13		Y	32	<2		
SB2970-17 E	S1380	1	14		Y	33	<2		
SB2943-1 A	S1381	1	15		Y	34	<2		
-2 A	S1382	1	16		Y	35	<2		
SB2970-10 A	S1383	1	17		Y	36	<2		
SB3067-1 A	S1384	1	18		Y	37	<2		
SB3092-2 A	S1385	1	19		Y	38	<2		
-3 A	S1386	1	20		Y	39	<2		20:06 ✓
RINSE	S1387	1	21		—	—	—		
	S1388	1	22		—	—	—		
	S1389	1	23		—	—	—		
									SKT 061708

STANDARD	CODE	STANDARD	CODE
BFB	V2074	IS MIX	V2115
CAL. STD.	V2113	SS MIX	V2092
LCS/MS MIX	V2104		
EXTRAS MIX	V2114		

Circle Methods:

SW846 8260	OLM 04.2
EPA 624	OLM 03.1
EPA 524	OLC 02.1
SIM	OLC 03.2

QAMS380 Katahdin Analytical Services 00000287

KATAHDIN ANALYTICAL SERVICES
GCMS-S INSTRUMENT RUNLOG

DATE/TIME OF BFB INJECTION: 061808 08:55
Reviewed by/Date:

SAMPLE NAME	DATAFILE	DF	ALS #	METHOD	Y/N	MS/MSD (46)	PH	ANALYST	COMMENTS
50 NG BFB	SB843	–	–	BFB288AQ	Y	–	–	SKT	
VSTD050518A	S1415	1	1	S826A58	Y	–	–		
LCSA WG52635-1	S1416	1	2		Y	–	–		
VBLKA	S1417	1	3		N	–	–		target hits
VBLKB WG52635-2	S1418	1	4		Y	–	–		
SB3044-7 C	S1419	1	5		Y	46	<2		
-8 C	S1420	1	6		Y	47	<2		
-9 B	S1421	1	7		Y	48	<2		
SB3059-1 B	S1422	1	8		Y	49	<2		
-2 B	S1423	1	9		Y	50	<2		
-4 A	S1424	1	10		Y	51	<2		
SB3044-10DL C	S1425	5	11		Y	52	<2		8mL/40mL
-5DL C	S1426	100	12		Y	53	<2		400µL/40mL
SB3059-3 B	S1427	1	13		Y	54	<2		
-5 A	S1428	1	14		Y	55	<2		
SB3044-10 C	S1429	1	15		Y	56	<2		
-5DL2 C	S1430	10	16		Y	57	<2		4mL/40mL
SB3059-4MS D	S1431	1	17		Y	MS	<2		WG52635-3
-4MSD E	S1432	1	18		Y	MSD	<2		WG52635-4
SB2887-1MS W	S1433	1	19		Y	MS	<2		WG52635-5
-1MSD X	S1434	1	20		Y	MSD	<2	CS SKT 06/18/08	~~WG523~~ WG52635-6
SB2963-1MS Y	S1435	1	21		Y	MS	<2		WG52635-7
-1MSD Z	S1436	1	22		Y	MSD	<2		WG52635-8 20:34 ✓
RINSE	S1437	1	23		–	–	–		
↓	S1438	1	24		–	–	–		
	S1439	1	25	↓	–	–	–	↓	
									SKT 061908

STANDARD	CODE
BFB	V2074
CAL. STD.	V2113
IS/SS MIX	V2118
EXTRAS MIX	V2114

STANDARD	CODE
IS MIX	V2115
SS MIX	V2092

Circle Methods:

SW846 8260	OLM 04.2
EPA 624	OLM 03.1
EPA 524	OLC 02.1
SIM	OLC 03.2

QAMS380
Katahdin Analytical Services
00000288
00000023

KATAHDIN ANALYTICAL SERVICES
GCMS-S INSTRUMENT RUNLOG

DATE/TIME OF BFB INJECTION: 061908 08:26
Reviewed by/Date:

SAMPLE NAME	DATAFILE	DF	ALS #	METHOD	Y/N	MS/MSD	PH	ANALYST	COMMENTS
50 NG BFB	SB844	—	—	BFB288AQ	Y	—	—	SKT	
VSTD050519A	S1440	1	1	S826A58	Y	—	—		
LCSA WG52683-1	S1441	1	2		Y	—	—		
VBLKA	S1442	1	3		N	—	—		Target hits
VBLKB WG52683-2	S1443	1	4		Y	—	—		
SB3059-14 B	S1444	1	5		Y	1	<2		
SB3005-1 A	S1445	1	6		Y	2	<2		
-2 A	S1446	1	7		Y	3	<2		
SB3062-5RA2 C	S1447	1	8		Y	4	<2		
SB3104-1RA2 C	S1448	1	9		Y	5	<2		
-2RA D	S1449	1	10		Y	6	<2		
-3RA B	S1450	1	11		Y	7	<2		
-4RA B	S1451	1	12		Y	8	<2		
SB3059-6RA B	S1452	1	13		Y	9	<2		
-7RA B	S1453	1	14		Y	10	<2		
SB3147-1RA B	S1454	1	15		Y	11	<2		
SB3059-9 A	S1455	1	16		Y	12	<2		
-10 A	S1456	1	17		Y	13	<2		
-11 A	S1457	1	18		Y	14	<2		
-12 A	S1458	1	19		Y	15	<2		
-13 A	S1459	1	20		Y	16	<2		
SB3104-2MSRA E	S1460	1	21		Y	MS	<2		WG52683-3
-2MSDRA F	S1461	1	22		Y	MSD	<2		WG52683-4 20:06
INSE	S1462	1	23		—	—	—		
	S1463	1	24		—	—	—		
	S1464	1	25		—	—	—		

STANDARD	CODE
BFB	V2074
CAL. STD.	V2113
IS/MS MIX	V2119
EXTRAS MIX	V2114

STANDARD	CODE
IS MIX	V2115
SS MIX	V2092

Circle Methods:

SW846 8260	OLM 04.2
EPA 624	OLM 03.1
EPA 524	OLC 02.1
SIM	OLC 03.2

QAMS380 Katahdin Analytical Services 00002890

KATAHDIN ANALYTICAL SERVICES
GCMS-S INSTRUMENT RUNLOG

DATE/TIME OF BFB INJECTION: 062008 07:28
Reviewed by/Date:

SAMPLE NAME	DATAFILE	DF	ALS #	METHOD	Y/N	MS/MSD	PH	ANALYST	COMMENTS
50 NG BFB	SB845	—	—	BFB288AQ	Y	—	—	SKT	
VSTD050S20A	S1465	1	1	S826A58	Y	—	—		
LCSA WG52722-1	S1466	1	2		Y	—	—		
VBLK A	S1467	1	3		N	—	—		
VBLK B WG52722-2	S1468	1	4		Y	—	—		target hits
SB3096-11 A	S1469	1	5		Y	1	<2		
-1 B	S1470	1	6		Y	2	<2		
-3 B	S1471	1	7		Y	3	<2		
-5 B	S1472	1	8		Y	4	<2		
-7 B	S1473	1	9		Y	5	<2		
-9 B	S1474	1	10		Y	6	<2		
SB3097-1 B	S1475	1	11		Y	7	<2		RR 1:2
-3 B	S1476	1	12		Y	8	<2		
-5 B	S1477	1	13		Y	9	<2		
-7 B	S1478	1	14		Y	10	<2		RR 1:2
-9 B	S1479	1	15		Y	11	<2		RR 1:2
-11 D	S1480	1	16		Y	12	<2		RR 1:2
SB3101-1 A	S1481	1	17		Y	13	<2		
-3 C	S1482	1	18		Y	14	<2		
-4 C	S1483	1	19		Y	15	<2		
-5 C	S1484	1	20		Y	16	<2		
-6 C	S1485	1	21		Y	17	<2		18:48 ✓
INSE	S1486	1	22		—	—	—		
	S1487	1	23		—	—	—		
	S1488	1	24		—	—	—		
	S1489	1	25		—	—	—		
VSTD020S20A	S1490	1	26	S624AL32	Y	—	—		PCE 1 ✓ samples
LCSA WG52783-1	S1491	1	27		Y	—	—		

STANDARD	CODE
BFB	V2074
AL. STD.	V2113
SS/MS MIX	V2119
EXTRAS MIX	V2114

STANDARD	CODE
IS MIX	V2115
SS MIX	V2092

Circle Methods:

SW846 8260	OLM 04.2
EPA 624	OLM 03.1
EPA 524	OLC 02.1
SIM	OLC 03.2

QAMS380

Katahdin Analytical Services

TOTAL PETROLEUM HYDROCARBON

QC Summary Section

FORM 2
WATER DRO SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 426 NLON SDG No.: CTO426-3

	CLIENT SAMPLE ID	LAB SAMPLE ID	S1 OTP#	S2 #	S3 #	S4 #	S5 #	S6 #	S7 #	S8 #	TOT OUT
01	WG52475-BLANK	WG52475-1	78								0
02	WG52475-LCS	WG52475-2	90								0
03	GW-MW104-060908MS	WG52475-3	73								0
04	GW-MW104-060908MSD	WG52475-4	78								0
05	AWD-GW-MW103-060908	SB3059-1	81								0
06	AWD-GW-MW102-060908	SB3059-2	70								0
07	AWD-GWMW40420080609	SB3059-3	74								0
08	GW-MW104-060908	SB3059-4	68								0
09	AWD-GWMW40320080609	SB3059-5	68								0
10	AWD-GWMW40220080609	SB3059-6	67								0
11	AWD-GW-MW304061008	SB3059-7	70								0
12	AWD-GW-MW101061008	SB3059-8	72								0
13	AWD-GW-MW305061008	SB3059-9	68								0
14	AWD-GW-MW201061008	SB3059-10	78								0
15	AWD-GW-DUP01	SB3059-11	78								0
16	AWD-GWMW20220080610	SB3059-12	61								0
17	AWD-GWMW1420080610	SB3059-13	70								0
18	AWD-GW-MW302-061108	SB3101-1	50								0
19	AWDSWPZ203A20080611	SB3101-2	60								0
20	AWD-GWMW30120080611	SB3101-3	71								0
21	AWD-GWMW401-061108	SB3101-4	81								0
22	WG52594-BLANK	WG52594-1	65								0
23	WG52594-LCS	WG52594-2	69								0
24	WG52594-LCSD	WG52594-3	66								0
25	AWD-GWMW303-061108	SB3101-5	70								0
26	AWD-GW-DUP02	SB3101-6	70								0
27											
28											

S1 (OTP) = O-Terphenyl QC LIMITS (46-116)

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

FORM 4
SEMIVOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE ID

WG52475-BLANK

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 426 NLON SDG No.: CTO426-3

Lab File ID: ABF3040 Lab Sample ID: WG52475-1

Instrument ID: GC10 Date Extracted: 06/13/08

Matrix: (soil/water) WATER Date Analyzed: 06/20/08

Level:(low/med) LOW Time Analyzed: 1546

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	WG52475-LCS	WG52475-2	ABF3041	06/20/08	1624
02	GW-MW104-060908MS	WG52475-3	ABF3042	06/20/08	1702
03	GW-MW104-060908MSD	WG52475-4	ABF3043	06/20/08	1741
04	AWD-GW-MW103-060908	SB3059-1	ABF3044	06/20/08	1819
05	AWD-GW-MW102-060908	SB3059-2	ABF3045	06/20/08	1858
06	AWD-GWMW40420080609	SB3059-3	ABF3046	06/20/08	1936
07	GW-MW104-060908	SB3059-4	ABF3047	06/20/08	2015
08	AWD-GWMW40320080609	SB3059-5	ABF3048	06/20/08	2054
09	AWD-GWMW40220080609	SB3059-6	ABF3049	06/20/08	2133
10	AWD-GW-MW304061008	SB3059-7	ABF3053	06/21/08	0009
11	AWD-GW-MW101061008	SB3059-8	ABF3054	06/21/08	0048
12	AWD-GW-MW305061008	SB3059-9	ABF3055	06/21/08	0127
13	AWD-GW-MW201061008	SB3059-10	ABF3056	06/21/08	0206
14	AWD-GW-DUP01	SB3059-11	ABF3057	06/21/08	0245
15	AWD-GWMW20220080610	SB3059-12	ABF3058	06/21/08	0324
16	AWD-GWMW1420080610	SB3059-13	ABF3059	06/21/08	0403
17	AWD-GW-MW302-061108	SB3101-1	ABF3060	06/21/08	0442
18	AWDSWPZ203A20080611	SB3101-2	ABF3061	06/21/08	0521
19	AWD-GWMW30120080611	SB3101-3	ABF3062	06/21/08	0600
20	AWD-GWMW401-061108	SB3101-4	ABF3067	06/21/08	0915
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					

COMMENTS:

FORM IVDRO

FORM 4
SEMIVOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE ID

WG52594-BLANK

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 426 NLON SDG No.: CTO426-3

Lab File ID: ABF3082 Lab Sample ID: WG52594-1

Instrument ID: GC10 Date Extracted: 06/17/08

Matrix: (soil/water) WATER Date Analyzed: 06/23/08

Level:(low/med) LOW Time Analyzed: 2018

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	WG52594-LCS	WG52594-2	ABF3083	06/23/08	2056
02	WG52594-LCSD	WG52594-3	ABF3084	06/23/08	2134
03	AWD-GWMW303-061108	SB3101-5	ABF3086	06/23/08	2251
04	AWD-GW-DUP02	SB3101-6	ABF3087	06/23/08	2330
05					
06					
07					
08					
09					
10					
11					
12					
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27					
28					
29					
30					

COMMENTS:

FORM IVDRO

FORM 8
DRO ANALYTICAL SEQUENCE

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 426 NLON SDG No.: CTO426-3

GC Column: ZB-1 ID: 0.53 (mm) Init. Calib. Date(s): 04/08/08 04/08/08

Instrument ID: GC10

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION
S1 : 12.56

	CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	S1 RT #	RT #
01		PHC 50UG/ML	04/08/08	1420	12.56	
02		PHC 200UG/ML	04/08/08	1458	12.57	
03		PHC 100UG/ML	04/08/08	1535	12.56	
04		PHC 20UG/ML	04/08/08	1613	12.56	
05		PHC 5UG/ML	04/08/08	1651	12.55	
06		PHC IND	04/08/08	1729		
07		PHC 50UG/ML	06/20/08	1353	12.47	
08	WG52475-BLAN	WG52475-1	06/20/08	1546	12.46	
09	WG52475-LCS	WG52475-2	06/20/08	1624	12.46	
10	GW-MW104-060	WG52475-3	06/20/08	1702	12.45	
11	GW-MW104-060	WG52475-4	06/20/08	1741	12.45	
12	AWD-GW-MW103	SB3059-1	06/20/08	1819	12.45	
13	AWD-GW-MW102	SB3059-2	06/20/08	1858	12.44	
14	AWD-GWMW4042	SB3059-3	06/20/08	1936	12.44	
15	GW-MW104-060	SB3059-4	06/20/08	2015	12.45	
16	AWD-GWMW4032	SB3059-5	06/20/08	2054	12.44	
17	AWD-GWMW4022	SB3059-6	06/20/08	2133	12.44	
18		PHC 20UG/ML	06/20/08	2330	12.44	
19	AWD-GW-MW304	SB3059-7	06/21/08	0009	12.44	
20	AWD-GW-MW101	SB3059-8	06/21/08	0048	12.44	

S1 = O-Terphenyl

QC LIMITS
(+/- 0.38 MINUTES)

Column used to flag retention time values with an asterisk.
* Values outside of QC limits.

FORM VIII DRO

FORM 8
DRO ANALYTICAL SEQUENCE

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 426 NLON SDG No.: CTO426-3

GC Column: ZB-1 ID: 0.53 (mm) Init. Calib. Date(s): 04/08/08 04/08/08

Instrument ID: GC10

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION
S1 : 12.56

	CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	S1 RT #	RT #
01	AWD-GW-MW305	SB3059-9	06/21/08	0127	12.44	
02	AWD-GW-MW201	SB3059-10	06/21/08	0206	12.44	
03	AWD-GW-DUP01	SB3059-11	06/21/08	0245	12.44	
04	AWD-GWMW2022	SB3059-12	06/21/08	0324	12.44	
05	AWD-GWMW1420	SB3059-13	06/21/08	0403	12.44	
06	AWD-GW-MW302	SB3101-1	06/21/08	0442	12.44	
07	AWDSWPZ203A2	SB3101-2	06/21/08	0521	12.44	
08	AWD-GWMW3012	SB3101-3	06/21/08	0600	12.44	
09		PHC 50UG/ML	06/21/08	0836	12.44	
10	AWD-GWMW401-	SB3101-4	06/21/08	0915	12.44	
11		PHC 20UG/ML	06/21/08	1230	12.45	
12		PHC 50UG/ML	06/23/08	1550	12.46	
13	WG52594-BLAN	WG52594-1	06/23/08	2018	12.45	
14	WG52594-LCS	WG52594-2	06/23/08	2056	12.45	
15	WG52594-LCSD	WG52594-3	06/23/08	2134	12.45	
16	AWD-GWMW303-	SB3101-5	06/23/08	2251	12.44	
17	AWD-GW-DUP02	SB3101-6	06/23/08	2330	12.44	
18		PHC 20UG/ML	06/24/08	0125	12.45	
19						
20						

S1 = O-Terphenyl

QC LIMITS
(+/- 0.38 MINUTES)

Column used to flag retention time values with an asterisk.
* Values outside of QC limits.

FORM VIII DRO

Sample Data Section

KATAHDIN ANALYTICAL SERVICES - ORGANIC DATA QUALIFIERS

U Indicates the compound was analyzed for but not detected above the laboratory Practical Quantitation Limit.

* Compound recovery outside of quality control limits.

D Indicates the result was obtained from analysis of a diluted sample. Surrogate recoveries may not be calculable.

E Estimated value. This flag identifies compounds whose concentrations exceed the upper level of the calibration range of the instrument for that specific analysis.

J Estimated value. The analyte was detected in the sample at a concentration less than the laboratory Practical Quantitation Limit (PQL), but above the Method Detection Limit (MDL).

or

J Used for Pesticide/Aroclor analyte when there is a greater than 40% difference for detected concentrations between the two GC columns.

B Indicates the analyte was detected in the laboratory method blank analyzed concurrently with the sample.

N Presumptive evidence of a compound based on a mass spectral library search.

A Indicates that a tentatively identified compound is a suspected aldol-condensation product.

P Used for Pesticide/Aroclor analyte when there is a greater than 25% difference for detected concentrations between the two GC columns. (for CLP methods only).

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
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 06/09/08
Received Date: 06/11/08
Extraction Date: 06/13/08
Analysis Date: 20-JUN-2008 18:19
Report Date: 06/30/2008
Matrix: WATER
% Solids: NA

Lab ID: SB3059-1
Client ID: AWD-GW-MW103-060908
SDG: CTO426-3
Extracted by: KF
Extraction Method: SW846 3510
Analyst: KGT
Analysis Method: SW846 M8015B
Lab Prep Batch: WG52475
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
	Extractable TPH C9-C36	J	55	1.0	75	75	44
	O-Terphenyl		81%				

Data File: \\Target_server\GG\chem\gc10.i\GC10BF19A1.b\ABF3044.d
Report Date: 30-Jun-2008 08:02

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gc10.i\GC10BF19A1.b\ABF3044.d
Lab Smp Id: SB3059-1 Client Smp ID: AWD-GW-MW103-060908
Inj Date : 20-JUN-2008 18:19
Operator : KGT Inst ID: gc10.i
Smp Info : TPHA021B.M,GC10BF19A1.B,1,SB3059-1
Misc Info : SW846 M8015B
Comment :
Method : \\TARGET_SERVER\GG\chem\gc10.i\GC10BF19A1.B\TPHA021B.m
Meth Date : 27-Jun-2008 16:41 ktanguay Quant Type: ESTD
Cal Date : 08-APR-2008 16:51 Cal File: ABD1097a.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: SW8015M-TPH.sub
Subtraction File: \\Target_server\GG\chem\gc10.i\GC10BF19A1.b\ABF3037A.d
Target Version: 4.12
Processing Host: TARGET02

Concentration Formula: Amt * DF * (Vt/Vo)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00100	Final Volume (L)
Vo	1.020	Sample Volume (L)
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/L)	REVIEW CODE
$ 8 O-Terphenyl	12.449	12.559	-0.110	119799	16.2286	15.9	
S 10 Extractable TPH C9-C36	3.916	-22.493		431277	56.1308	55.0(a)	

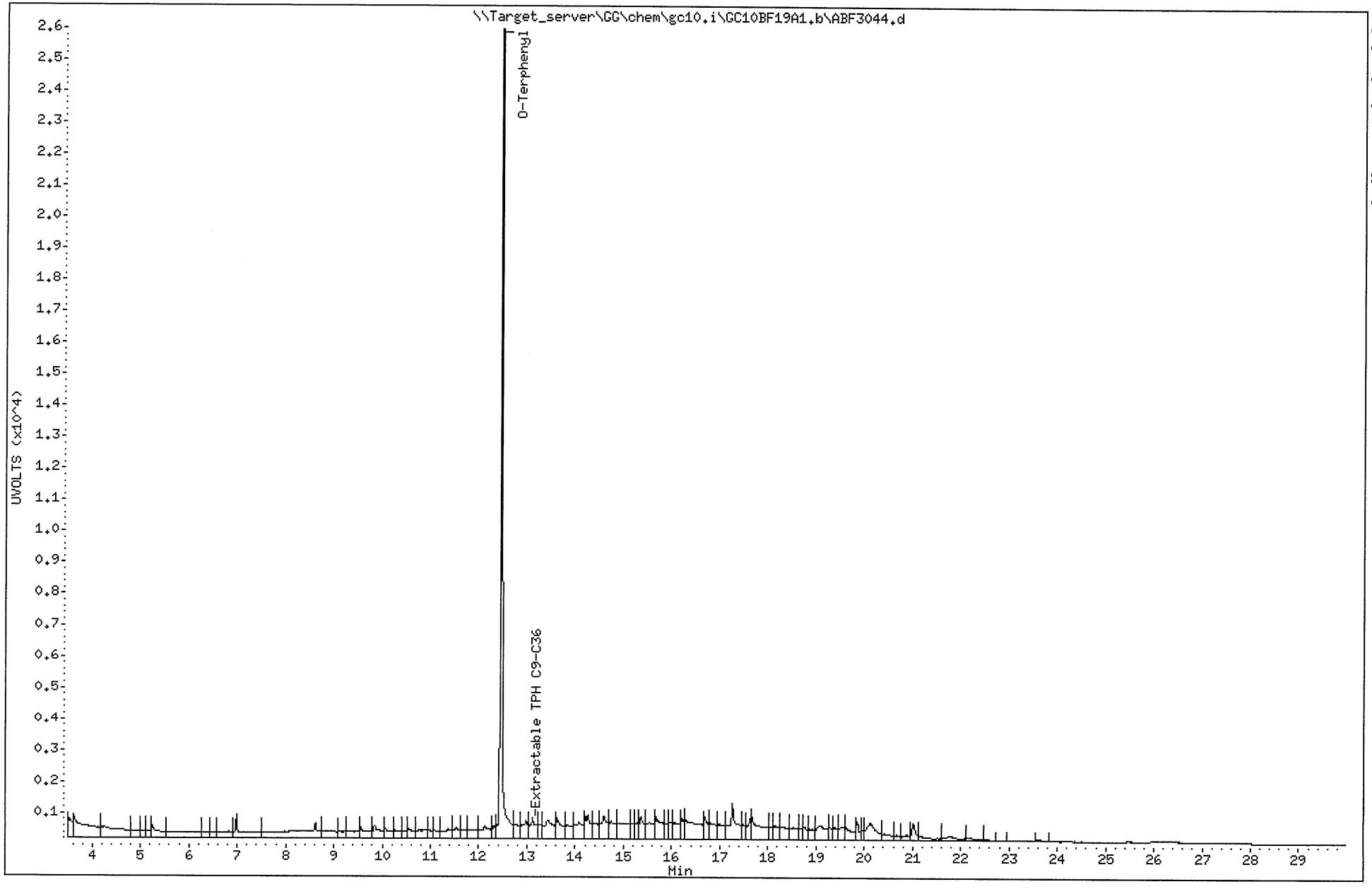
QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: \\Target_server\GG\chem\gc10.i\GC10BF19A1.b\ABF3044.d
Date : 20-JUN-2008 18:19
Client ID: AWD-GW-MW103-060908
Sample Info: TPHA021B.M,GC10BF19A1.B,1,SB3059-1
Purge Volume: 1.0
Column phase: ZB-1

Instrument: gc10.i

Operator: KGT
Column diameter: 0.53



Katahdin Analytical Services 2000013

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 06/09/08
Received Date: 06/11/08
Extraction Date: 06/13/08
Analysis Date: 20-JUN-2008 18:58
Report Date: 06/30/2008
Matrix: WATER
% Solids: NA

Lab ID: SB3059-2
Client ID: AWD-GW-MW102-060908
SDG: CTO426-3
Extracted by: KF
Extraction Method: SW846 3510
Analyst: KGT
Analysis Method: SW846 M8015B
Lab Prep Batch: WG52475
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
	Extractable TPH C9-C36		80	1.0	75	75	43
	O-Terphenyl		70%				

Data File: \\Target_server\GG\chem\gc10.i\GC10BF19A1.b\ABF3045.d
Report Date: 30-Jun-2008 08:02

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gc10.i\GC10BF19A1.b\ABF3045.d
Lab Smp Id: SB3059-2 Client Smp ID: AWD-GW-MW102-060908
Inj Date : 20-JUN-2008 18:58
Operator : KGT Inst ID: gc10.i
Smp Info : TPHA021B.M,GC10BF19A1.B,1,SB3059-2
Misc Info : SW846 M8015B
Comment :
Method : \\TARGET_SERVER\GG\chem\gc10.i\GC10BF19A1.B\TPHA021B.m
Meth Date : 27-Jun-2008 16:41 ktanguay Quant Type: ESTD
Cal Date : 08-APR-2008 16:51 Cal File: ABD1097a.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: SW8015M-TPH.sub
Subtraction File: \\Target_server\GG\chem\gc10.i\GC10BF19A1.b\ABF3037A.d
Target Version: 4.12
Processing Host: TARGET02

Concentration Formula: Amt * DF * (Vt/Vo)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00100	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)	REVIEW CODE
$ 8 O-Terphenyl	12.440	12.559	-0.119	104363	14.0869	13.4(M)	
S 10 Extractable TPH C9-C36	3.916	-22.493		614842	84.3908	80.4(M)	

MS
ker 062008

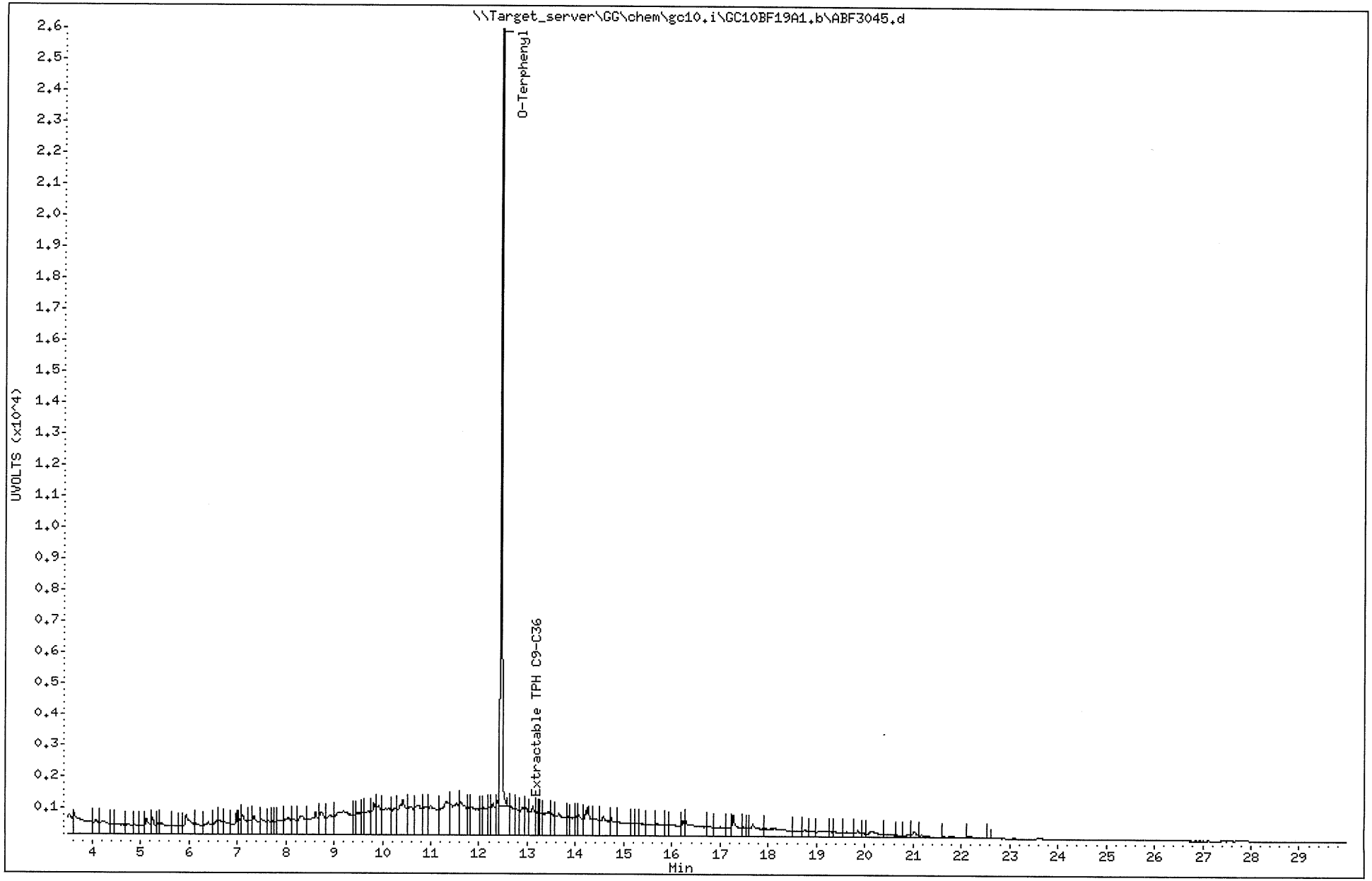
QC Flag Legend

M - Compound response manually integrated.

Data File: \\Target_server\GG\chem\gc10.i\GC10BF19A1.b\ABF3045.d
Date : 20-JUN-2008 18:58
Client ID: AWD-GW-MW102-060908
Sample Info: TPHA021B.M,GC10BF19A1.B,1,SB3059-2
Purge Volume: 1.1
Column phase: ZB-1

Instrument: gc10.i

Operator: KGT
Column diameter: 0.53



Katahdin Analytical Services 2000016

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 06/09/08
Received Date: 06/11/08
Extraction Date: 06/13/08
Analysis Date: 20-JUN-2008 19:36
Report Date: 06/30/2008
Matrix: WATER
% Solids: NA

Lab ID: SB3059-3
Client ID: AWD-GWMW40420080609
SDG: CTO426-3
Extracted by: KF
Extraction Method: SW846 3510
Analyst: KGT
Analysis Method: SW846 M8015B
Lab Prep Batch: WG52475
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
	Extractable TPH C9-C36		320	1.0	75	75	43
	O-Terphenyl		74%				

Data File: \\Target_server\GG\chem\gc10.i\GC10BF19A1.b\ABF3046.d
Report Date: 30-Jun-2008 08:02

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gc10.i\GC10BF19A1.b\ABF3046.d
Lab Smp Id: SB3059-3 Client Smp ID: AWD-GWMW40420080609
Inj Date : 20-JUN-2008 19:36
Operator : KGT Inst ID: gc10.i
Smp Info : TPHA021B.M,GC10BF19A1.B,1,SB3059-3
Misc Info : SW846 M8015B
Comment :
Method : \\TARGET_SERVER\GG\chem\gc10.i\GC10BF19A1.B\TPHA021B.m
Meth Date : 27-Jun-2008 16:41 ktanguay Quant Type: ESTD
Cal Date : 08-APR-2008 16:51 Cal File: ABD1097a.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: SW8015M-TPH.sub
Subtraction File: \\Target_server\GG\chem\gc10.i\GC10BF19A1.b\ABF3037A.d
Target Version: 4.12
Processing Host: TARGET02

Concentration Formula: Amt * DF * (Vt/Vo)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00100	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)	REVIEW CODE
$ 8 O-Terphenyl	12.440	12.559	-0.119	109024	14.7336	14.0(M)	
S 10 Extractable TPH C9-C36	3.916	-22.493		2262291	338.017	322(M)	

MS
063008

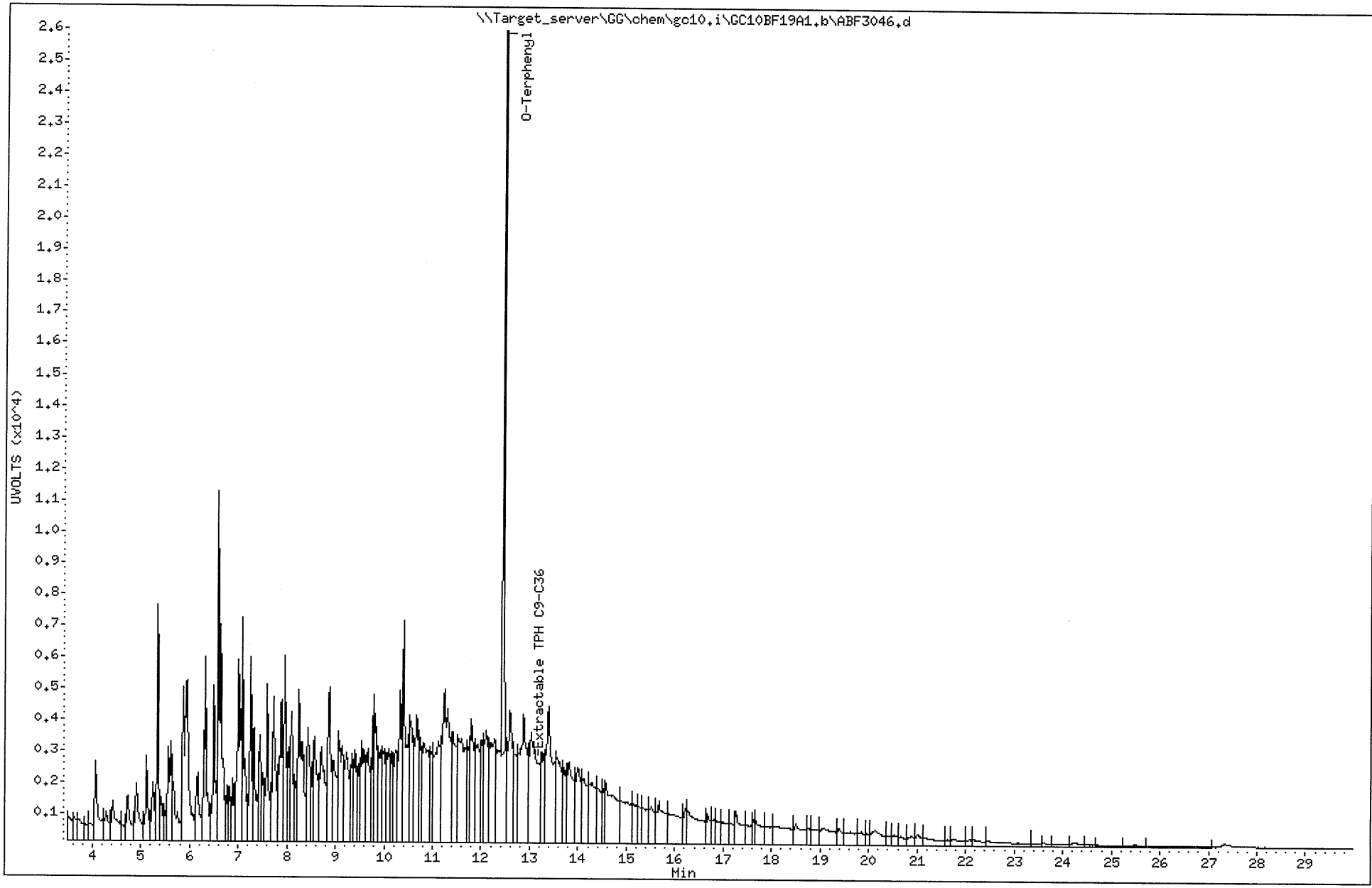
QC Flag Legend

M - Compound response manually integrated.

Data File: \\Target_server\GG\chem\gc10.i\GC10BF19A1.b\ABF3046.d
Date : 20-JUN-2008 19:36
Client ID: AWD-GWMW40420080609
Sample Info: TPHA021B.M,GC10BF19A1.B,1,SB3059-3
Purge Volume: 1.1
Column phase: ZB-1

Instrument: gc10.i

Operator: KGT
Column diameter: 0.53



Katahdin Analytical Services 2000019

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 06/09/08
Received Date: 06/11/08
Extraction Date: 06/13/08
Analysis Date: 20-JUN-2008 20:15
Report Date: 07/01/2008
Matrix: WATER
% Solids: NA

Lab ID: SB3059-4
Client ID: GW-MW104-060908
SDG: CTO426-3
Extracted by: KF
Extraction Method: SW846 3510
Analyst: KGT
Analysis Method: SW846 M8015B
Lab Prep Batch: WG52475
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
	Extractable TPH C9-C36	U	75	1.0	75	75	44
	O-Terphenyl		68%				

Data File: \\Target_server\GG\chem\gc10.i\GC10BF19A1.b\ABF3047.d
Report Date: 01-Jul-2008 11:08

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gc10.i\GC10BF19A1.b\ABF3047.d
Lab Smp Id: SB3059-4 Client Smp ID: GW-MW104-060908
Inj Date : 20-JUN-2008 20:15
Operator : KGT Inst ID: gc10.i
Smp Info : TPHA021B.M,GC10BF19A1.B,1,SB3059-4
Misc Info : SW846 M8015B
Comment :
Method : \\Target_server\GG\chem\gc10.i\GC10BF19A1.b\tpha021b.m
Meth Date : 27-Jun-2008 16:41 ktanguay Quant Type: ESTD
Cal Date : 08-APR-2008 16:51 Cal File: ABD1097a.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: SW8015M-TPH.sub
Subtraction File: \\Target_server\GG\chem\gc10.i\GC10BF19A1.b\ABF3037A.d
Target Version: 4.12

Concentration Formula: Amt * DF * (Vt/Vo)*1000 * CpndVariable

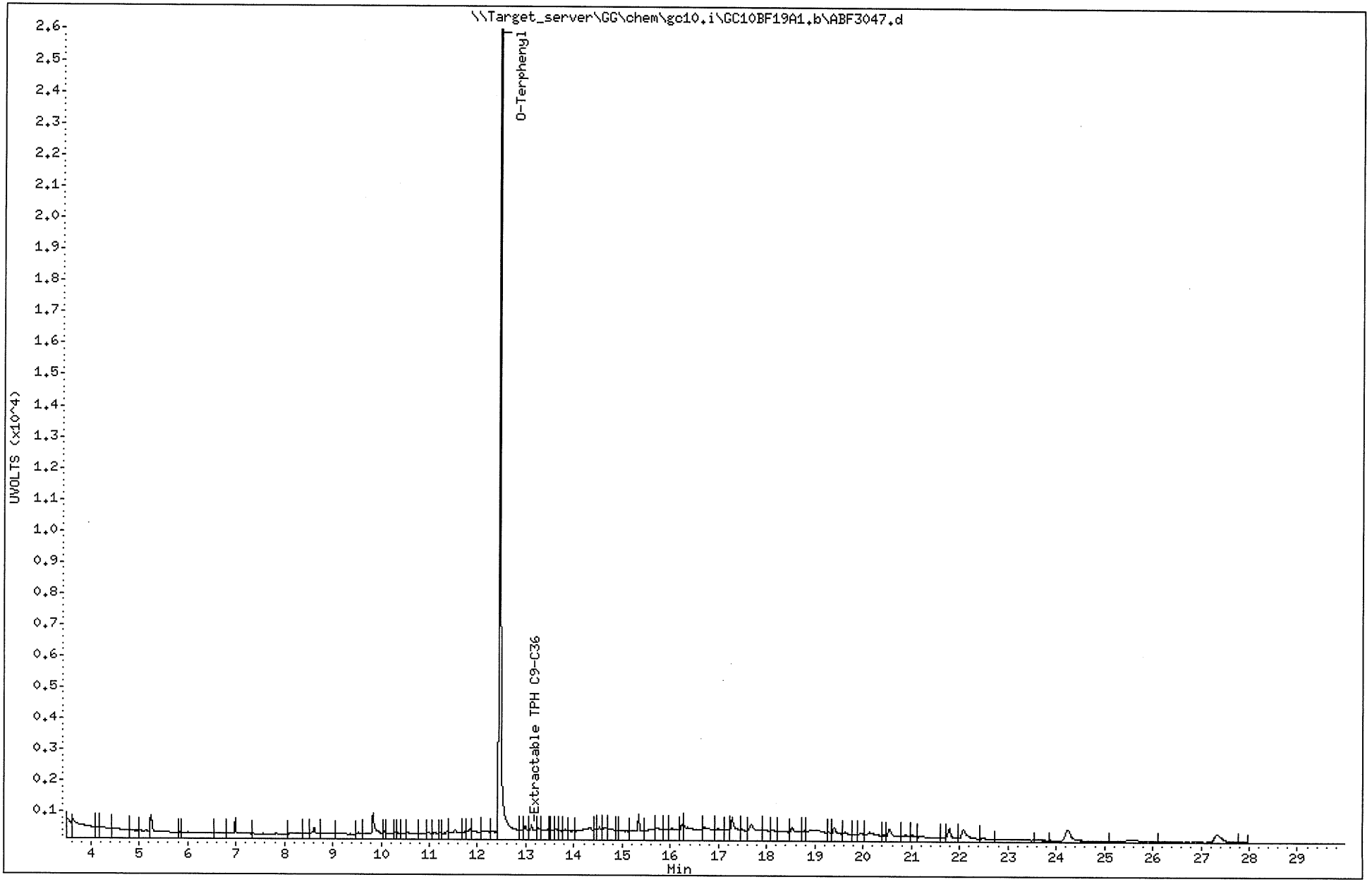
Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00100	Final Volume (L)
Vo	1.010	Sample Volume (L)
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/L)	REVIEW CODE
$ 8 O-Terphenyl	12.445	12.559	-0.114	100439	13.5425	13.4	

Data File: \\Target_server\GG\chem\gc10.i\GC10BF19A1.b\ABF3047.d
Date : 20-JUN-2008 20:15
Client ID: GW-MW104-060908
Sample Info: TPHA021B.M,GC10BF19A1.B,1,SB3059-4
Purge Volume: 1.0
Column phase: ZB-1

Instrument: gc10.i

Operator: KGT
Column diameter: 0.53



Katahdin Analytical Services 2000022

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 06/09/08
Received Date: 06/11/08
Extraction Date: 06/13/08
Analysis Date: 20-JUN-2008 20:54
Report Date: 06/30/2008
Matrix: WATER
% Solids: NA

Lab ID: SB3059-5
Client ID: AWD-GWMW40320080609
SDG: CTO426-3
Extracted by: KF
Extraction Method: SW846 3510
Analyst: KGT
Analysis Method: SW846 M8015B
Lab Prep Batch: WG52475
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
	Extractable TPH C9-C36		160	1.0	75	75	43
	O-Terphenyl		68%				

Data File: \\Target_server\GG\chem\gc10.i\GC10BF19A1.b\ABF3048.d
Report Date: 30-Jun-2008 08:02

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gc10.i\GC10BF19A1.b\ABF3048.d
Lab Smp Id: SB3059-5 Client Smp ID: AWD-GWMW40320080609
Inj Date : 20-JUN-2008 20:54
Operator : KGT Inst ID: gc10.i
Smp Info : TPHA021B.M,GC10BF19A1.B,1,SB3059-5
Misc Info : SW846 M8015B
Comment :
Method : \\TARGET_SERVER\GG\chem\gc10.i\GC10BF19A1.B\TPHA021B.m
Meth Date : 27-Jun-2008 16:41 ktanguay Quant Type: ESTD
Cal Date : 08-APR-2008 16:51 Cal File: ABD1097a.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: SW8015M-TPH.sub
Subtraction File: \\Target_server\GG\chem\gc10.i\GC10BF19A1.b\ABF3037A.d
Target Version: 4.12
Processing Host: TARGET02

Concentration Formula: Amt * DF * (Vt/Vo)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00100	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)	REVIEW CODE
$ 8 O-Terphenyl	12.440	12.559	-0.119	101367	13.6712	13.0(M)	
S 10 Extractable TPH C9-C36	3.916	-22.493		1142859	165.680	158(M)	M5

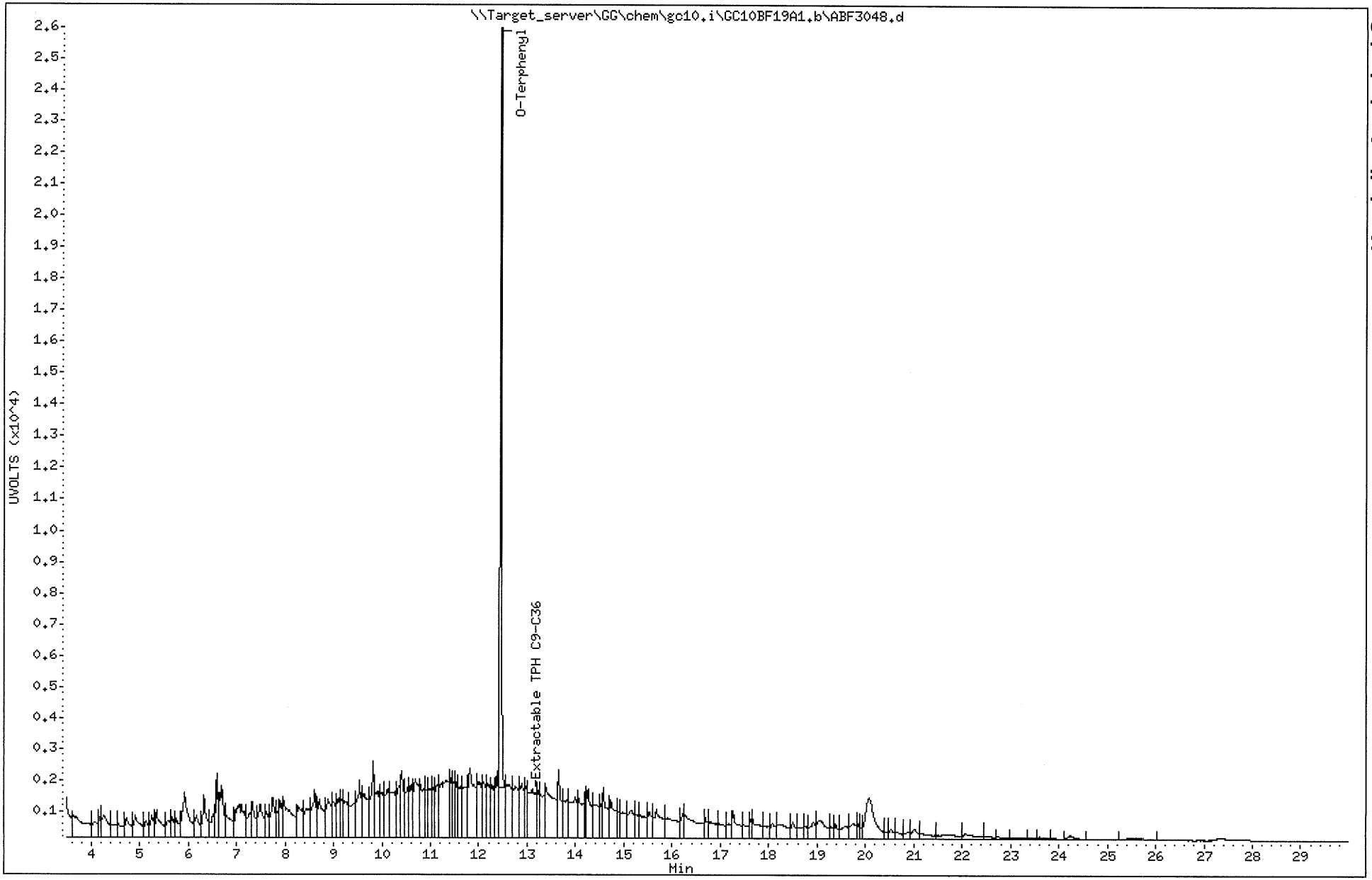
KGT 063008

QC Flag Legend

M - Compound response manually integrated.

Data File: \\Target_server\GG\chem\gc10.i\GC10BF19A1.b\ABF3048.d
Date : 20-JUN-2008 20:54
Client ID: AWD-GWMW40320080609
Sample Info: TPHA021B.M,GC10BF19A1.B,1,SB3059-5
Purge Volume: 1.1
Column phase: ZB-1

Instrument: gc10.i
Operator: KGT
Column diameter: 0.53



Katahdin Analytical Services 2000025

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 06/09/08
Received Date: 06/11/08
Extraction Date: 06/13/08
Analysis Date: 20-JUN-2008 21:33
Report Date: 06/30/2008
Matrix: WATER
% Solids: NA

Lab ID: SB3059-6
Client ID: AWD-GWMW40220080609
SDG: CTO426-3
Extracted by: KF
Extraction Method: SW846 3510
Analyst: KGT
Analysis Method: SW846 M8015B
Lab Prep Batch: WG52475
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
	Extractable TPH C9-C36		580	1.0	75	75	43
	O-Terphenyl		67%				

Data File: \\Target_server\GG\chem\gc10.i\GC10BF19A1.b\ABF3049.d
Report Date: 30-Jun-2008 08:02

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gc10.i\GC10BF19A1.b\ABF3049.d
Lab Smp Id: SB3059-6 Client Smp ID: AWD-GWMW40220080609
Inj Date : 20-JUN-2008 21:33
Operator : KGT Inst ID: gc10.i
Smp Info : TPHA021B.M,GC10BF19A1.B,1,SB3059-6
Misc Info : SW846 M8015B
Comment :
Method : \\TARGET_SERVER\GG\chem\gc10.i\GC10BF19A1.B\TPHA021B.m
Meth Date : 27-Jun-2008 16:41 ktanguay Quant Type: ESTD
Cal Date : 08-APR-2008 16:51 Cal File: ABD1097a.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: SW8015M-TPH.sub
Subtraction File: \\Target_server\GG\chem\gc10.i\GC10BF19A1.b\ABF3037A.d
Target Version: 4.12
Processing Host: TARGET02

Concentration Formula: Amt * DF * (Vt/Vo)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00100	Final Volume (L)
Vo	1.040	Sample Volume (L)
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/L)	REVIEW CODE
$ 8 O-Terphenyl	12.440	12.559	-0.119	99520	13.4150	12.9(M)	M5
S 10 Extractable TPH C9-C36	3.916	-22.493		4000011	605.541	582(M)	

KR 06/30/08

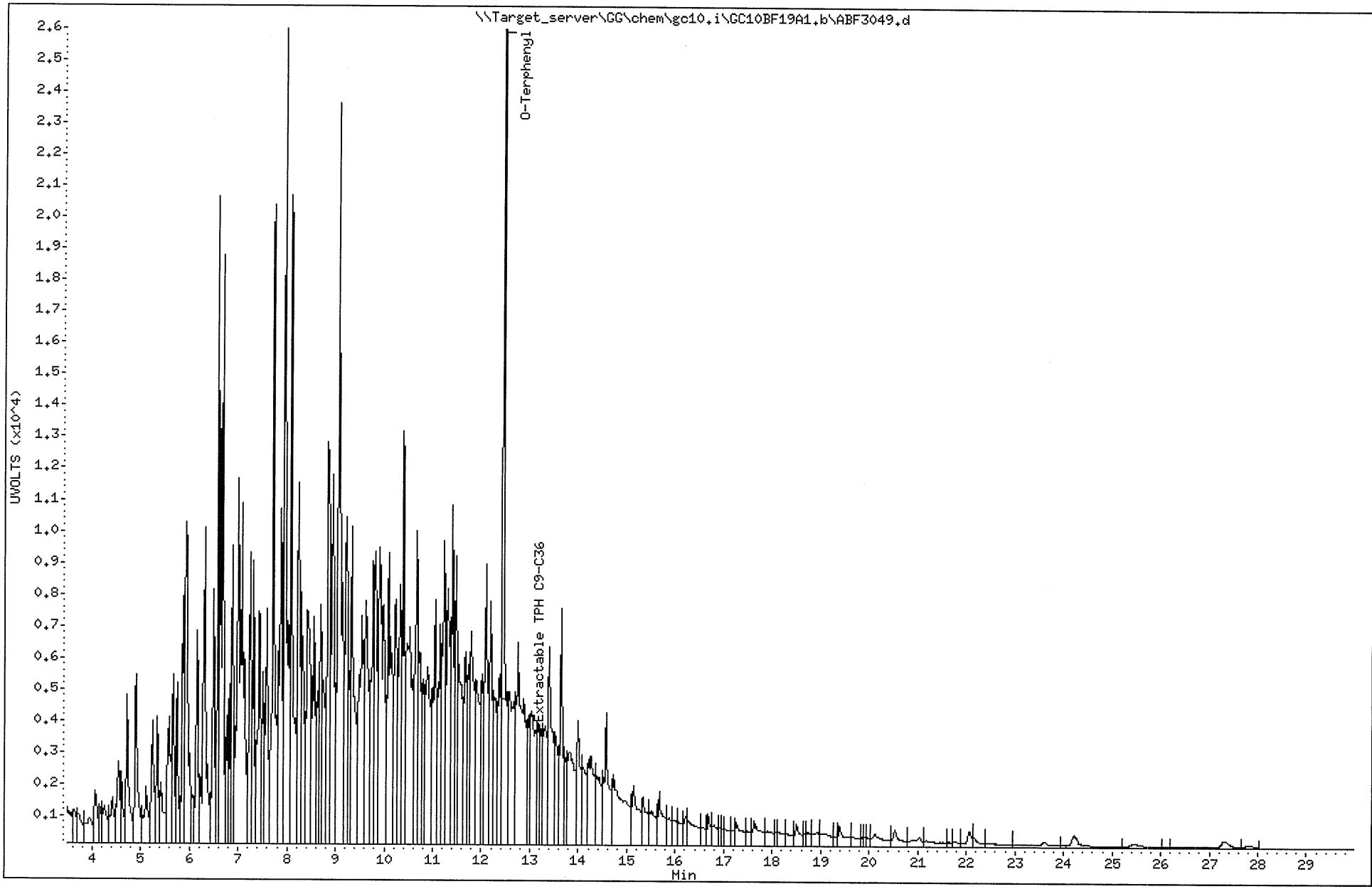
QC Flag Legend

M - Compound response manually integrated.

Data File: \\Target_server\GG\chem\gc10.i\GC10BF19A1.b\ABF3049.d
Date : 20-JUN-2008 21:33
Client ID: AWD-GWMW40220080609
Sample Info: TPHA021B.M,GC10BF19A1.B,1,SB3059-6
Purge Volume: 1.0
Column phase: ZB-1

Instrument: gc10.i

Operator: KGT
Column diameter: 0.53



Katahdin Analytical Services 2000028

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 06/10/08
Received Date: 06/11/08
Extraction Date: 06/13/08
Analysis Date: 21-JUN-2008 00:09
Report Date: 06/30/2008
Matrix: WATER
% Solids: NA

Lab ID: SB3059-7
Client ID: AWD-GW-MW304061008
SDG: CTO426-3
Extracted by: KF
Extraction Method: SW846 3510
Analyst: KGT
Analysis Method: SW846 M8015B
Lab Prep Batch: WG52475
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
	Extractable TPH C9-C36		290	1.0	75	82	49
	O-Terphenyl		70%				

Data File: \\Target_server\GG\chem\gc10.i\GC10BF19A1.b\ABF3053.d
Report Date: 30-Jun-2008 08:02

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gc10.i\GC10BF19A1.b\ABF3053.d
Lab Smp Id: SB3059-7 Client Smp ID: AWD-GW-MW304061008
Inj Date : 21-JUN-2008 00:09
Operator : KGT Inst ID: gc10.i
Smp Info : TPHA021B.M,GC10BF19A1.B,1,SB3059-7
Misc Info : SW846 M8015B
Comment :
Method : \\TARGET_SERVER\GG\chem\gc10.i\GC10BF19A1.B\TPHA021B.m
Meth Date : 27-Jun-2008 16:41 ktanguay Quant Type: ESTD
Cal Date : 08-APR-2008 16:51 Cal File: ABD1097a.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: SW8015M-TPH.sub
Subtraction File: \\Target_server\GG\chem\gc10.i\GC10BF19A1.b\ABF3037A.d
Target Version: 4.12
Processing Host: TARGET02

Concentration Formula: Amt * DF * (Vt/Vo)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00100	Final Volume (L)
Vo	0.92000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/L)	REVIEW CODE
$ 8 O-Terphenyl	12.440	12.559	-0.119	104076	14.0471	15.3(M)	
S 10 Extractable TPH C9-C36	3.916	-22.493		1794229	265.959	289(M)	MS

KGT 063008

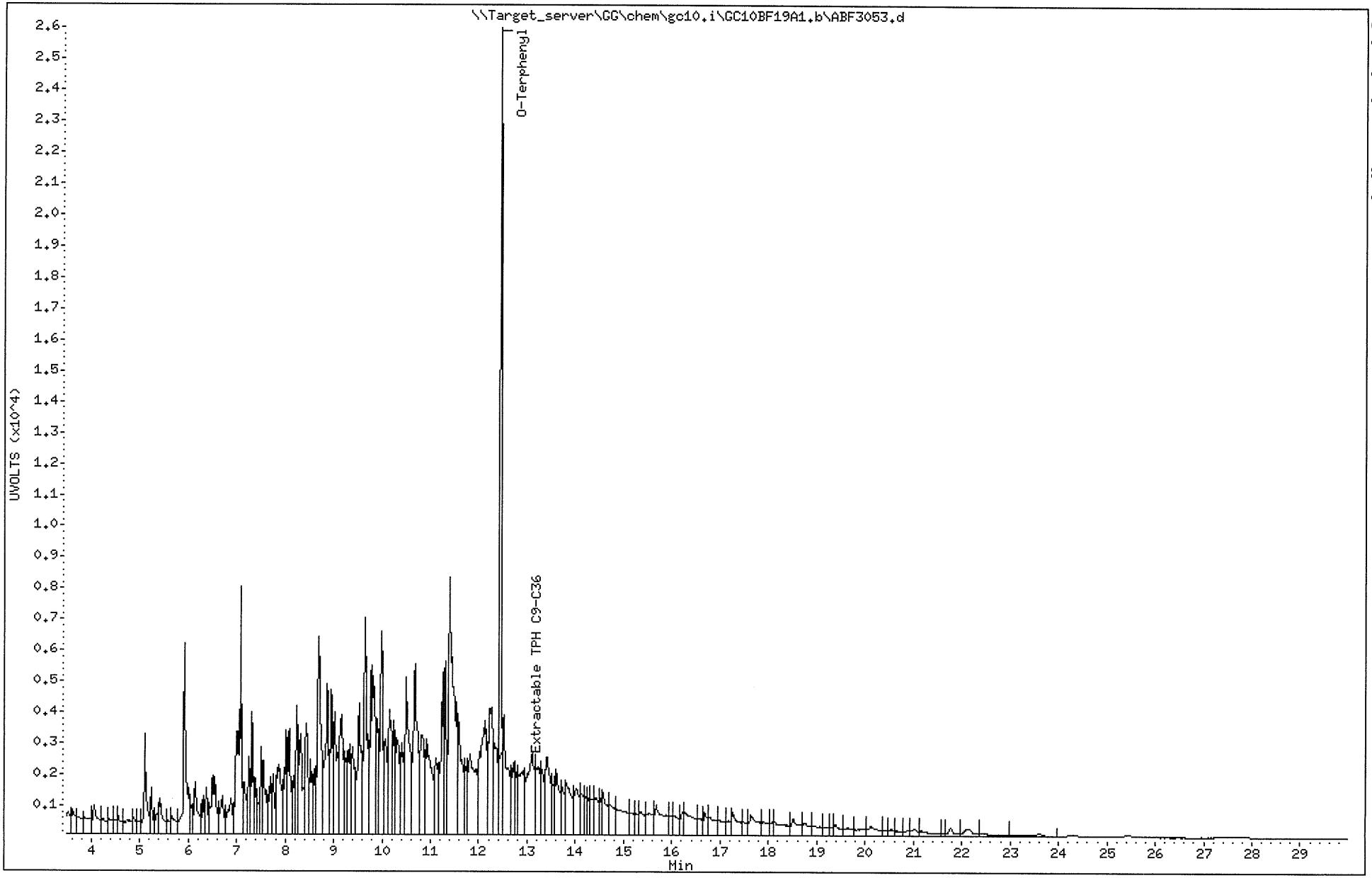
QC Flag Legend

M - Compound response manually integrated.

Data File: \\Target_server\GG\chem\gc10.i\GC10BF19A1.b\ABF3053.d
Date : 21-JUN-2008 00:09
Client ID: AWD-GW-MW304061008
Sample Info: TPHA021B.M,GC10BF19A1.B,1,SB3059-7
Purge Volume: 0.9
Column phase: ZB-1

Instrument: gc10.i

Operator: KGT
Column diameter: 0.53



Katahdin Analytical Services 2000031

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 06/10/08
Received Date: 06/11/08
Extraction Date: 06/13/08
Analysis Date: 21-JUN-2008 00:48
Report Date: 06/30/2008
Matrix: WATER
% Solids: NA

Lab ID: SB3059-8
Client ID: AWD-GW-MW101061008
SDG: CTO426-3
Extracted by: KF
Extraction Method: SW846 3510
Analyst: KGT
Analysis Method: SW846 M8015B
Lab Prep Batch: WG52475
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
	Extractable TPH C9-C36	J	44	1.0	75	75	42
	O-Terphenyl		72%				

Data File: \\Target_server\GG\chem\gc10.i\GC10BF19A1.b\ABF3054.d
Report Date: 30-Jun-2008 08:02

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gc10.i\GC10BF19A1.b\ABF3054.d
Lab Smp Id: SB3059-8 Client Smp ID: AWD-GW-MW101061008
Inj Date : 21-JUN-2008 00:48
Operator : KGT Inst ID: gc10.i
Smp Info : TPHA021B.M,GC10BF19A1.B,1,SB3059-8
Misc Info : SW846 M8015B
Comment :
Method : \\TARGET_SERVER\GG\chem\gc10.i\GC10BF19A1.B\TPHA021B.m
Meth Date : 27-Jun-2008 16:41 ktanguay Quant Type: ESTD
Cal Date : 08-APR-2008 16:51 Cal File: ABD1097a.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: SW8015M-TPH.sub
Subtraction File: \\Target_server\GG\chem\gc10.i\GC10BF19A1.b\ABF3037A.d
Target Version: 4.12
Processing Host: TARGET02

Concentration Formula: Amt * DF * (Vt/Vo)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00100	Final Volume (L)
Vo	1.060	Sample Volume (L)
Cpnd Variable		Local Compound Variable

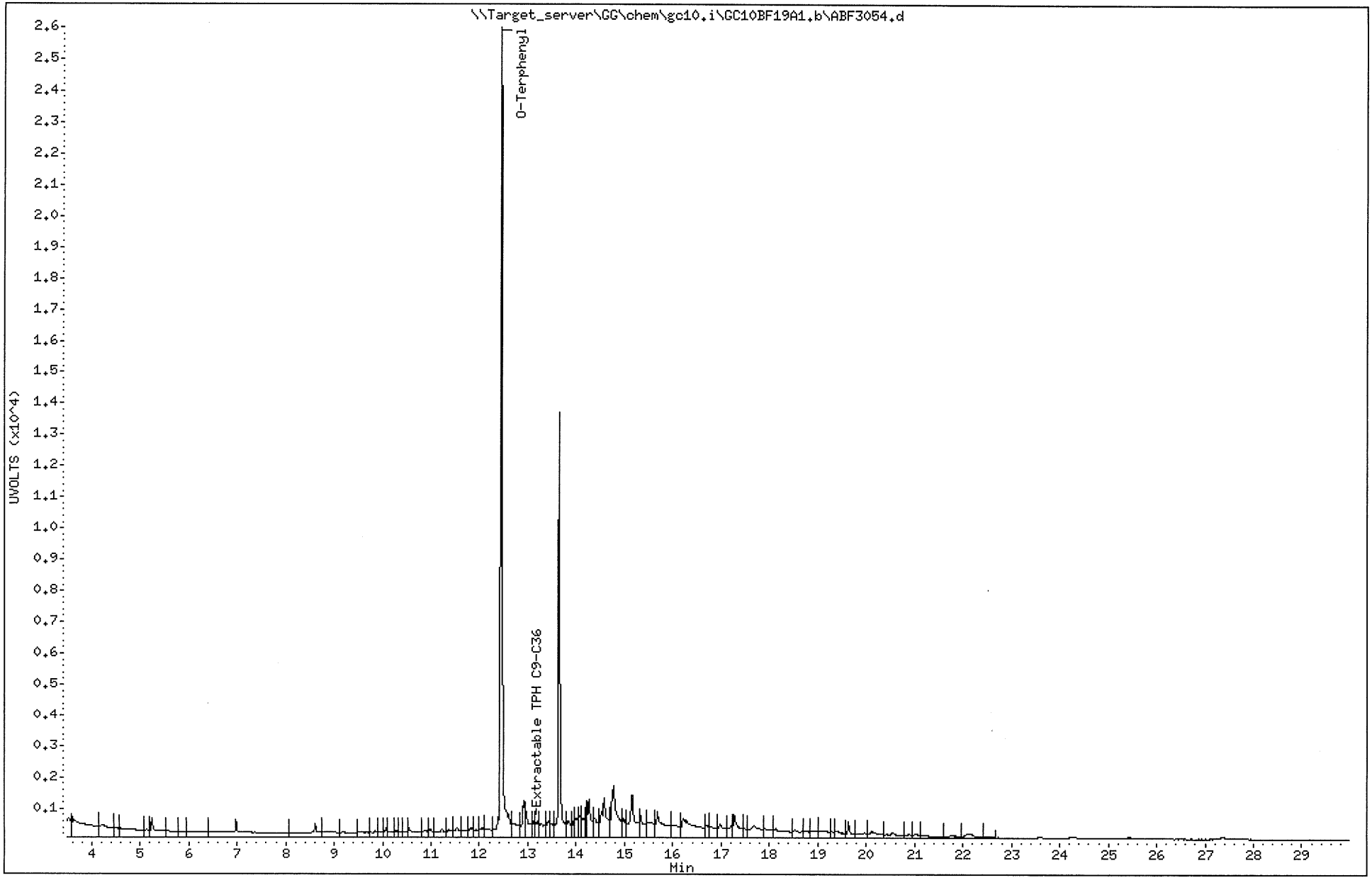
Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/L)	REVIEW CODE
$ 8 O-Terphenyl	12.440	12.559	-0.119	107413	14.5101	13.7	
S 10 Extractable TPH C9-C36	3.916	-22.493		371750	46.9666	44.3(a)	

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: \\Target_server\GC\chem\gc10.i\GC10BF19A1.b\ABF3054.d
Date : 21-JUN-2008 00:48
Client ID: AWD-GW-MW101061008
Sample Info: TPHA021B.M,GC10BF19A1.B,1,SB3059-8
Purge Volume: 1.1
Column phase: ZB-1

Instrument: gc10.i
Operator: KGT
Column diameter: 0.53



Katahdin Analytical Services 2000034

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 06/10/08
Received Date: 06/11/08
Extraction Date: 06/13/08
Analysis Date: 21-JUN-2008 01:27
Report Date: 06/30/2008
Matrix: WATER
% Solids: NA

Lab ID: SB3059-9
Client ID: AWD-GW-MW305061008
SDG: CTO426-3
Extracted by: KF
Extraction Method: SW846 3510
Analyst: KGT
Analysis Method: SW846 M8015B
Lab Prep Batch: WG52475
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
	Extractable TPH C9-C36		100	1.0	75	75	43
	O-Terphenyl		68%				

Data File: \\Target_server\GG\chem\gc10.i\GC10BF19A1.b\ABF3055.d
Report Date: 30-Jun-2008 08:02

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gc10.i\GC10BF19A1.b\ABF3055.d
Lab Smp Id: SB3059-9 Client Smp ID: AWD-GW-MW305061008
Inj Date : 21-JUN-2008 01:27
Operator : KGT Inst ID: gc10.i
Smp Info : TPHA021B.M,GC10BF19A1.B,1,SB3059-9
Misc Info : SW846 M8015B
Comment :
Method : \\TARGET_SERVER\GG\chem\gc10.i\GC10BF19A1.B\TPHA021B.m
Meth Date : 27-Jun-2008 16:41 ktanguay Quant Type: ESTD
Cal Date : 08-APR-2008 16:51 Cal File: ABD1097a.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: SW8015M-TPH.sub
Subtraction File: \\Target_server\GG\chem\gc10.i\GC10BF19A1.b\ABF3037A.d
Target Version: 4.12
Processing Host: TARGET02

Concentration Formula: Amt * DF * (Vt/Vo)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00100	Final Volume (L)
Vo	1.040	Sample Volume (L)
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/L)	REVIEW CODE
$ 8 O-Terphenyl	12.440	12.559	-0.119	100920	13.6092	13.1(M)	
S 10 Extractable TPH C9-C36	3.916	-22.493		754439	105.882	102(M)	M5

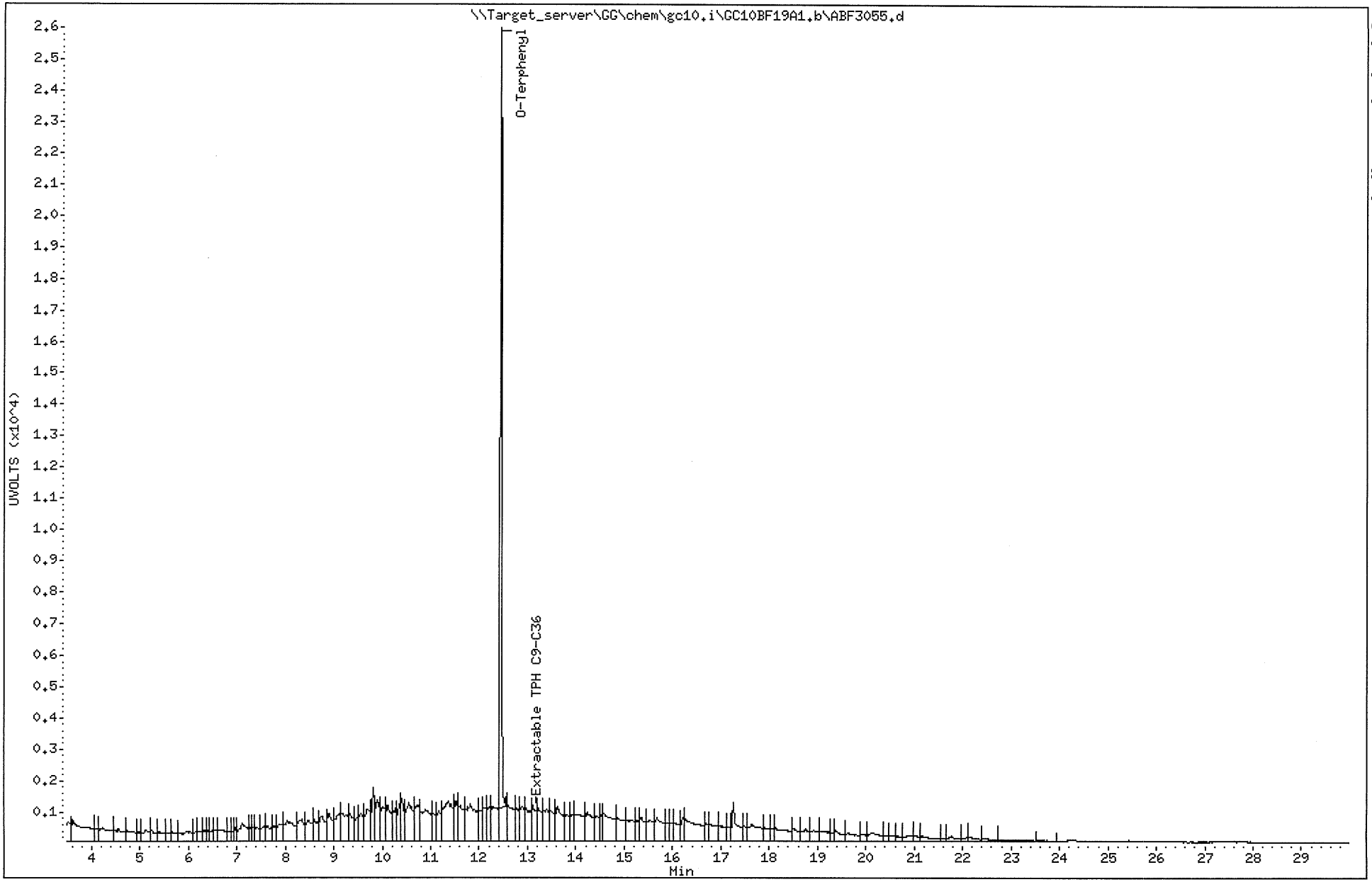
KGr
063008

QC Flag Legend

M - Compound response manually integrated.

Data File: \\Target_server\GC\chem\gc10.i\GC10BF19A1.b\ABF3055.d
Date : 21-JUN-2008 01:27
Client ID: AWD-GW-MW305061008
Sample Info: TPHA021B.M,GC10BF19A1.B,1,SB3059-9
Purge Volume: 1.0
Column phase: ZB-1

Instrument: gc10.i
Operator: KGT
Column diameter: 0.53



Katahdin Analytical Services 2000037

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 06/10/08
Received Date: 06/11/08
Extraction Date: 06/13/08
Analysis Date: 21-JUN-2008 02:06
Report Date: 06/30/2008
Matrix: WATER
% Solids: NA

Lab ID: SB3059-10
Client ID: AWD-GW-MW201061008
SDG: CTO426-3
Extracted by: KF
Extraction Method: SW846 3510
Analyst: KGT
Analysis Method: SW846 M8015B
Lab Prep Batch: WG52475
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
	Extractable TPH C9-C36	U	75	1.0	75	75	43
	O-Terphenyl		78%				

Data File: \\Target_server\GG\chem\gc10.i\GC10BF19A1.b\ABF3056.d
Report Date: 30-Jun-2008 08:02

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gc10.i\GC10BF19A1.b\ABF3056.d
Lab Smp Id: SB3059-10 Client Smp ID: AWD-GW-MW201061008
Inj Date : 21-JUN-2008 02:06
Operator : KGT Inst ID: gc10.i
Smp Info : TPHA021B.M,GC10BF19A1.B,1,SB3059-10
Misc Info : SW846 M8015B
Comment :
Method : \\TARGET_SERVER\GG\chem\gc10.i\GC10BF19A1.B\TPHA021B.m
Meth Date : 27-Jun-2008 16:41 ktanguay Quant Type: ESTD
Cal Date : 08-APR-2008 16:51 Cal File: ABD1097a.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: SW8015M-TPH.sub
Subtraction File: \\Target_server\GG\chem\gc10.i\GC10BF19A1.b\ABF3037A.d
Target Version: 4.12
Processing Host: TARGET02

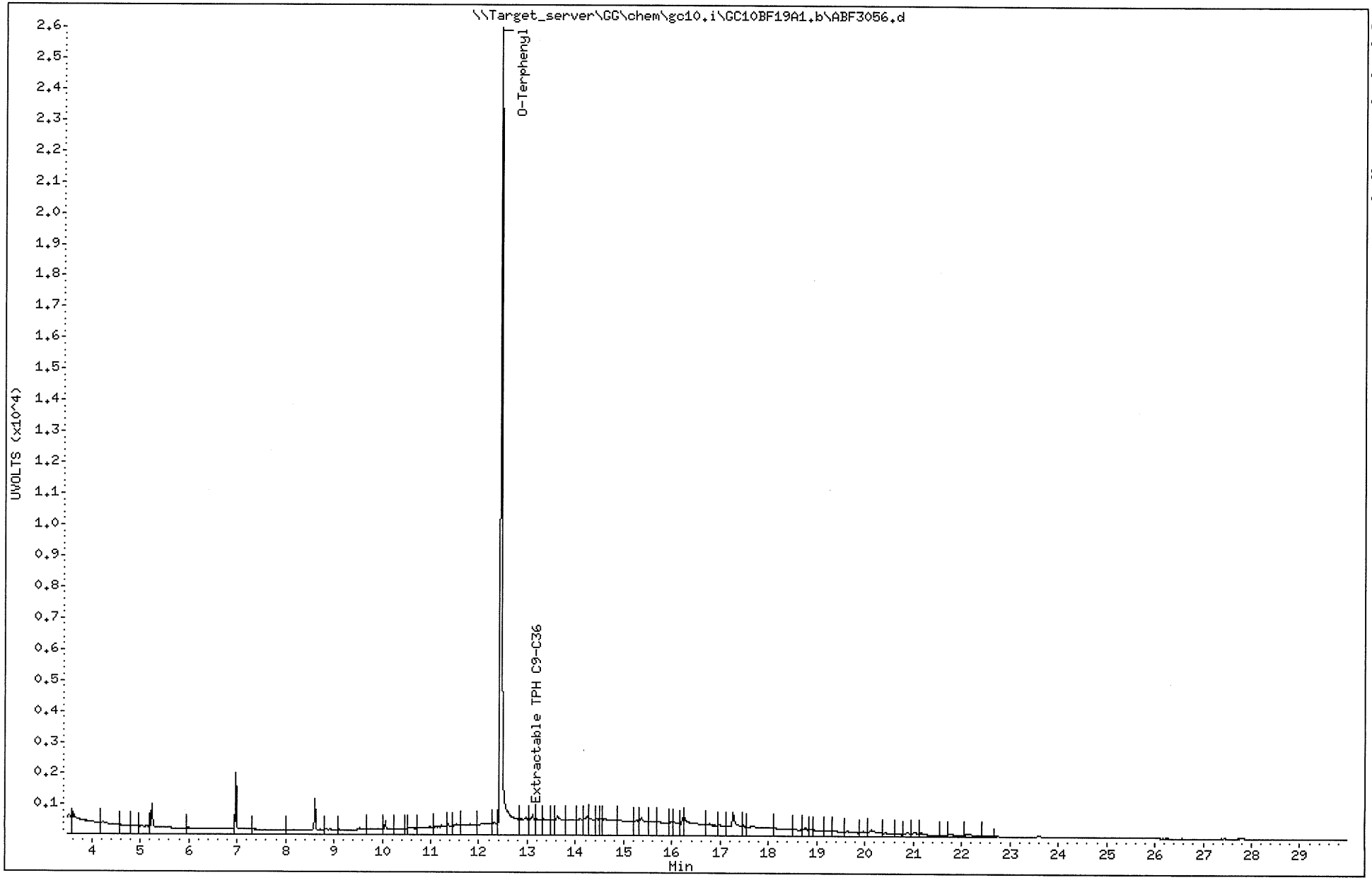
Concentration Formula: Amt * DF * (Vt/Vo)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00100	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)	REVIEW CODE
$ 8 O-Terphenyl	12.440	12.559	-0.119	115086	15.5747	14.8	

Data File: \\Target_server\GG\chem\gc10.i\GC10BF19A1.b\ABF3056.d
Date : 21-JUN-2008 02:06
Client ID: AWD-GW-MW201061008
Sample Info: TPHA021B.M,GC10BF19A1.B,1,SB3059-10
Purge Volume: 1.1
Column phase: ZB-1

Instrument: gc10.i
Operator: KGT
Column diameter: 0.53



Katahdin Analytical Services 2000040

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 06/10/08
Received Date: 06/11/08
Extraction Date: 06/13/08
Analysis Date: 21-JUN-2008 02:45
Report Date: 06/30/2008
Matrix: WATER
% Solids: NA

Lab ID: SB3059-11
Client ID: AWD-GW-DUP01
SDG: CTO426-3
Extracted by: KF
Extraction Method: SW846 3510
Analyst: KGT
Analysis Method: SW846 M8015B
Lab Prep Batch: WG52475
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
	Extractable TPH C9-C36	U	75	1.0	75	75	42
	O-Terphenyl		78%				

Data File: \\Target_server\GG\chem\gc10.i\GC10BF19A1.b\ABF3057.d
Report Date: 30-Jun-2008 08:02

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gc10.i\GC10BF19A1.b\ABF3057.d
Lab Smp Id: SB3059-11 Client Smp ID: AWD-GW-DUP01
Inj Date : 21-JUN-2008 02:45
Operator : KGT Inst ID: gc10.i
Smp Info : TPHA021B.M,GC10BF19A1.B,1,SB3059-11
Misc Info : SW846 M8015B
Comment :
Method : \\TARGET_SERVER\GG\chem\gc10.i\GC10BF19A1.B\TPHA021B.m
Meth Date : 27-Jun-2008 16:41 ktanguay Quant Type: ESTD
Cal Date : 08-APR-2008 16:51 Cal File: ABD1097a.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: SW8015M-TPH.sub
Subtraction File: \\Target_server\GG\chem\gc10.i\GC10BF19A1.b\ABF3037A.d
Target Version: 4.12
Processing Host: TARGET02

Concentration Formula: Amt * DF * (Vt/Vo)*1000 * CpndVariable

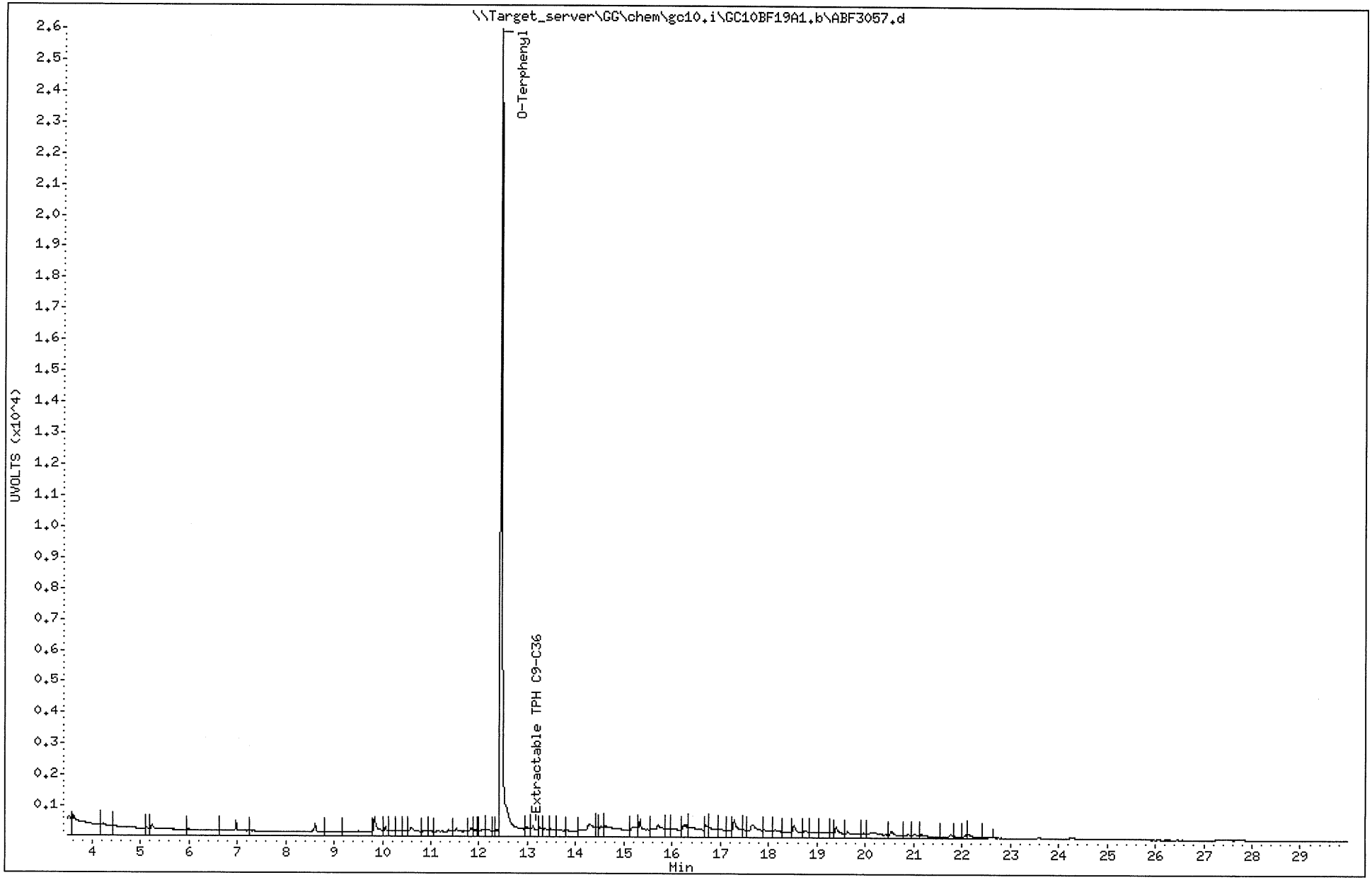
Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00100	Final Volume (L)
Vo	1.060	Sample Volume (L)
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/L)	REVIEW CODE
$ 8 O-Terphenyl	12.440	12.559	-0.119	115099	15.5765	14.7	

Data File: \\Target_server\GG\chem\gc10.i\GC10BF19A1.b\ABF3057.d
Date : 21-JUN-2008 02:45
Client ID: AWD-GW-DUP01
Sample Info: TPHA021B.M,GC10BF19A1.B,1,SB3059-11
Purge Volume: 1.1
Column phase: ZB-1

Instrument: gc10.i

Operator: KGT
Column diameter: 0.53



Katahdin Analytical Services 2000043

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 06/10/08
Received Date: 06/11/08
Extraction Date: 06/13/08
Analysis Date: 21-JUN-2008 03:24
Report Date: 06/30/2008
Matrix: WATER
% Solids: NA

Lab ID: SB3059-12
Client ID: AWD-GWMW20220080610
SDG: CTO426-3
Extracted by: KF
Extraction Method: SW846 3510
Analyst: KGT
Analysis Method: SW846 M8015B
Lab Prep Batch: WG52475
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
	Extractable TPH C9-C36		260	1.0	75	75	43
	O-Terphenyl		61%				

Data File: \\Target_server\GG\chem\gc10.i\GC10BF19A1.b\ABF3058.d
Report Date: 30-Jun-2008 08:02

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gc10.i\GC10BF19A1.b\ABF3058.d
Lab Smp Id: SB3059-12 Client Smp ID: AWD-GWMW20220080610
Inj Date : 21-JUN-2008 03:24
Operator : KGT Inst ID: gc10.i
Smp Info : TPHA021B.M,GC10BF19A1.B,1,SB3059-12
Misc Info : SW846 M8015B
Comment :
Method : \\TARGET_SERVER\GG\chem\gc10.i\GC10BF19A1.B\TPHA021B.m
Meth Date : 27-Jun-2008 16:41 ktanguay Quant Type: ESTD
Cal Date : 08-APR-2008 16:51 Cal File: ABD1097a.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: SW8015M-TPH.sub
Subtraction File: \\Target_server\GG\chem\gc10.i\GC10BF19A1.b\ABF3037A.d
Target Version: 4.12
Processing Host: TARGET02

Concentration Formula: Amt * DF * (Vt/Vo)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00100	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)	REVIEW CODE
$ 8 O-Terphenyl	12.440	12.559	-0.119	90697	12.1908	11.6(M)	M5
S 10 Extractable TPH C9-C36	3.916	-22.493		1855346	275.368	262(M)	

Ker 063008

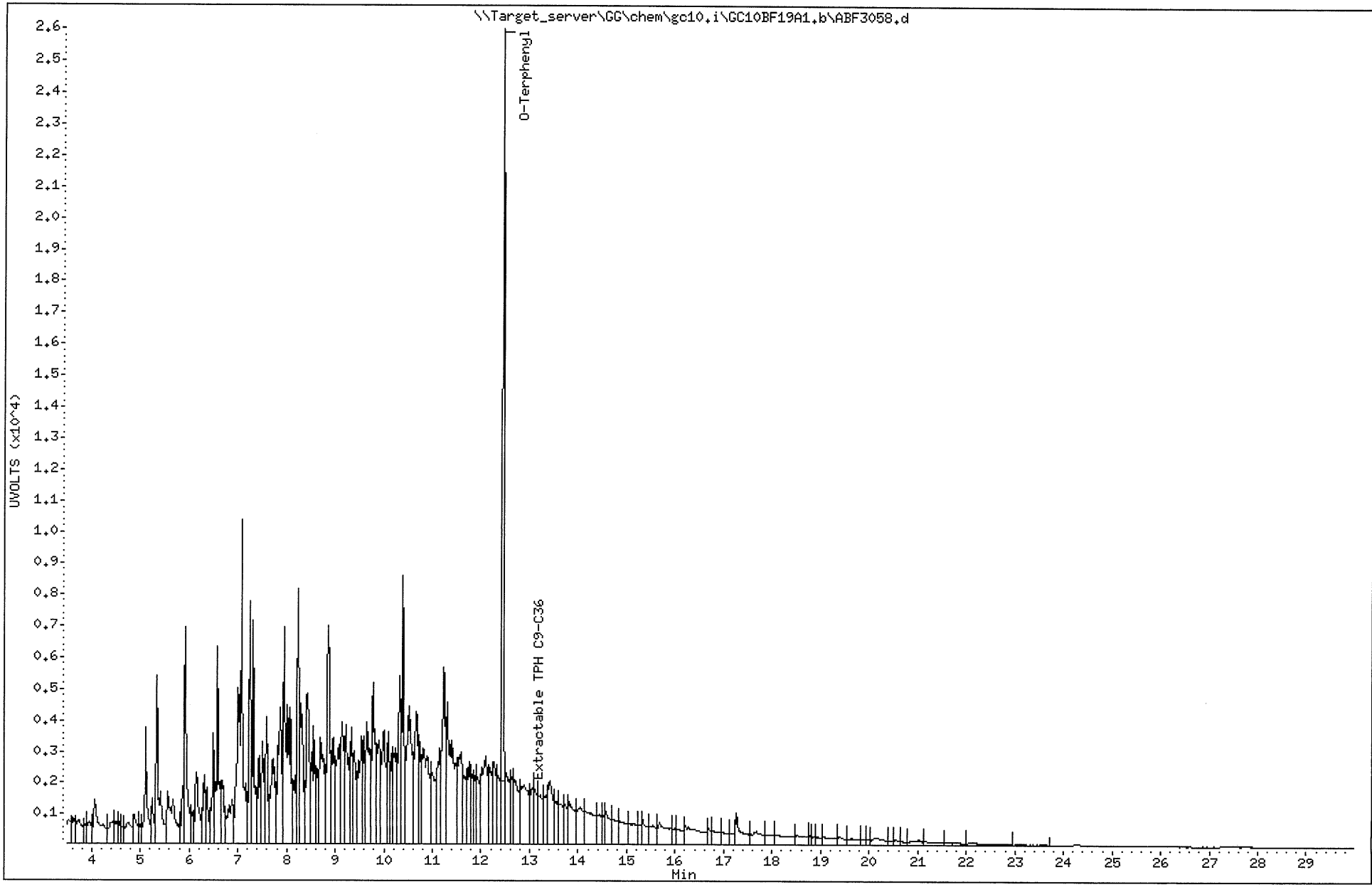
QC Flag Legend

M - Compound response manually integrated.

Data File: \\Target_server\GG\chem\gc10.i\GC10BF19A1.b\ABF3058.d
Date : 21-JUN-2008 03:24
Client ID: AWD-GWMW20220080610
Sample Info: TPHA021B.M,GC10BF19A1.B,1,SB3059-12
Purge Volume: 1.1
Column phase: ZB-1

Instrument: gc10.i

Operator: KGT
Column diameter: 0.53



Katahdin Analytical Services 2000046

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 06/10/08
Received Date: 06/11/08
Extraction Date: 06/13/08
Analysis Date: 21-JUN-2008 04:03
Report Date: 06/30/2008
Matrix: WATER
% Solids: NA

Lab ID: SB3059-13
Client ID: AWD-GWMW1420080610
SDG: CTO426-3
Extracted by: KF
Extraction Method: SW846 3510
Analyst: KGT
Analysis Method: SW846 M8015B
Lab Prep Batch: WG52475
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
	Extractable TPH C9-C36		200	1.0	75	75	45
	O-Terphenyl		70%				

Data File: \\Target_server\GG\chem\gc10.i\GC10BF19A1.b\ABF3059.d
Report Date: 30-Jun-2008 08:02

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gc10.i\GC10BF19A1.b\ABF3059.d
Lab Smp Id: SB3059-13 Client Smp ID: AWD-GWMW1420080610
Inj Date : 21-JUN-2008 04:03
Operator : KGT Inst ID: gc10.i
Smp Info : TPHA021B.M,GC10BF19A1.B,1,SB3059-13
Misc Info : SW846 M8015B
Comment :
Method : \\TARGET_SERVER\GG\chem\gc10.i\GC10BF19A1.B\TPHA021B.m
Meth Date : 27-Jun-2008 16:41 ktanguay Quant Type: ESTD
Cal Date : 08-APR-2008 16:51 Cal File: ABD1097a.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: SW8015M-TPH.sub
Subtraction File: \\Target_server\GG\chem\gc10.i\GC10BF19A1.b\ABF3037A.d
Target Version: 4.12
Processing Host: TARGET02

Concentration Formula: Amt * DF * (Vt/Vo)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00100	Final Volume (L)
Vo	1.000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/L)	REVIEW CODE
$ 8 O-Terphenyl	12.440	12.559	-0.119	103452	13.9605	14.0(M)	
S 10 Extractable TPH C9-C36	3.916	-22.493		1369910	200.634	201(M)	MS

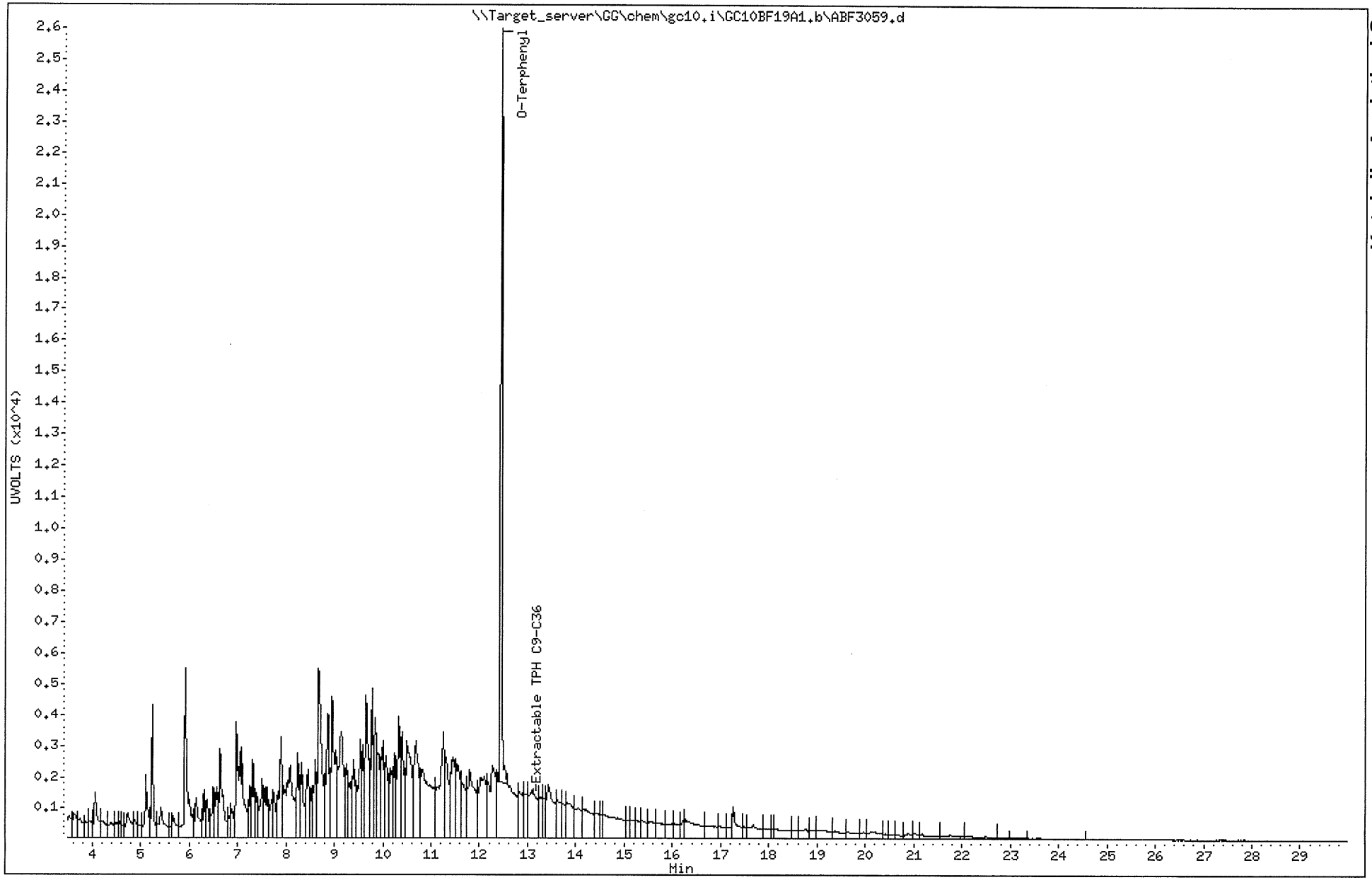
KR
06.30.08

QC Flag Legend

M - Compound response manually integrated.

Data File: \\Target_server\GG\chem\gc10.i\GC10BF19A1.b\ABF3059.d
Date : 21-JUN-2008 04:03
Client ID: AWD-GWMW1420080610
Sample Info: TPHA021B.M,GC10BF19A1.B,1,SB3059-13
Purge Volume: 1.0
Column phase: ZB-1

Instrument: gc10.i
Operator: KGT
Column diameter: 0.53



Katahdin Analytical Services 2000049

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 06/11/08
Received Date: 06/12/08
Extraction Date: 06/13/08
Analysis Date: 21-JUN-2008 04:42
Report Date: 06/30/2008
Matrix: WATER
% Solids: NA

Lab ID: SB3101-1
Client ID: AWD-GW-MW302-061108
SDG: CTO426-3
Extracted by: KF
Extraction Method: SW846 3510
Analyst: KGT
Analysis Method: SW846 M8015B
Lab Prep Batch: WG52475
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
	Extractable TPH C9-C36		140	1.0	75	75	44
	O-Terphenyl		50%				

Data File: \\Target_server\GG\chem\gc10.i\GC10BF19A1.b\ABF3060.d
Report Date: 30-Jun-2008 08:02

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gc10.i\GC10BF19A1.b\ABF3060.d
Lab Smp Id: SB3101-1 Client Smp ID: AWD-GW-MW302-061108
Inj Date : 21-JUN-2008 04:42
Operator : KGT Inst ID: gc10.i
Smp Info : TPHA021B.M,GC10BF19A1.B,1,SB3101-1
Misc Info : SW846 M8015B
Comment :
Method : \\TARGET_SERVER\GG\chem\gc10.i\GC10BF19A1.B\TPHA021B.m
Meth Date : 27-Jun-2008 16:41 ktanguay Quant Type: ESTD
Cal Date : 08-APR-2008 16:51 Cal File: ABD1097a.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: SW8015M-TPH.sub
Subtraction File: \\Target_server\GG\chem\gc10.i\GC10BF19A1.b\ABF3037A.d
Target Version: 4.12
Processing Host: TARGET02

Concentration Formula: Amt * DF * (Vt/Vo)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00100	Final Volume (L)
Vo	1.030	Sample Volume (L)
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/L)	REVIEW CODE
$ 8 O-Terphenyl	12.440	12.559	-0.119	75035	10.0178	9.72(M)	
S 10 Extractable TPH C9-C36	3.916	-22.493		1009782	145.192	141(M)	

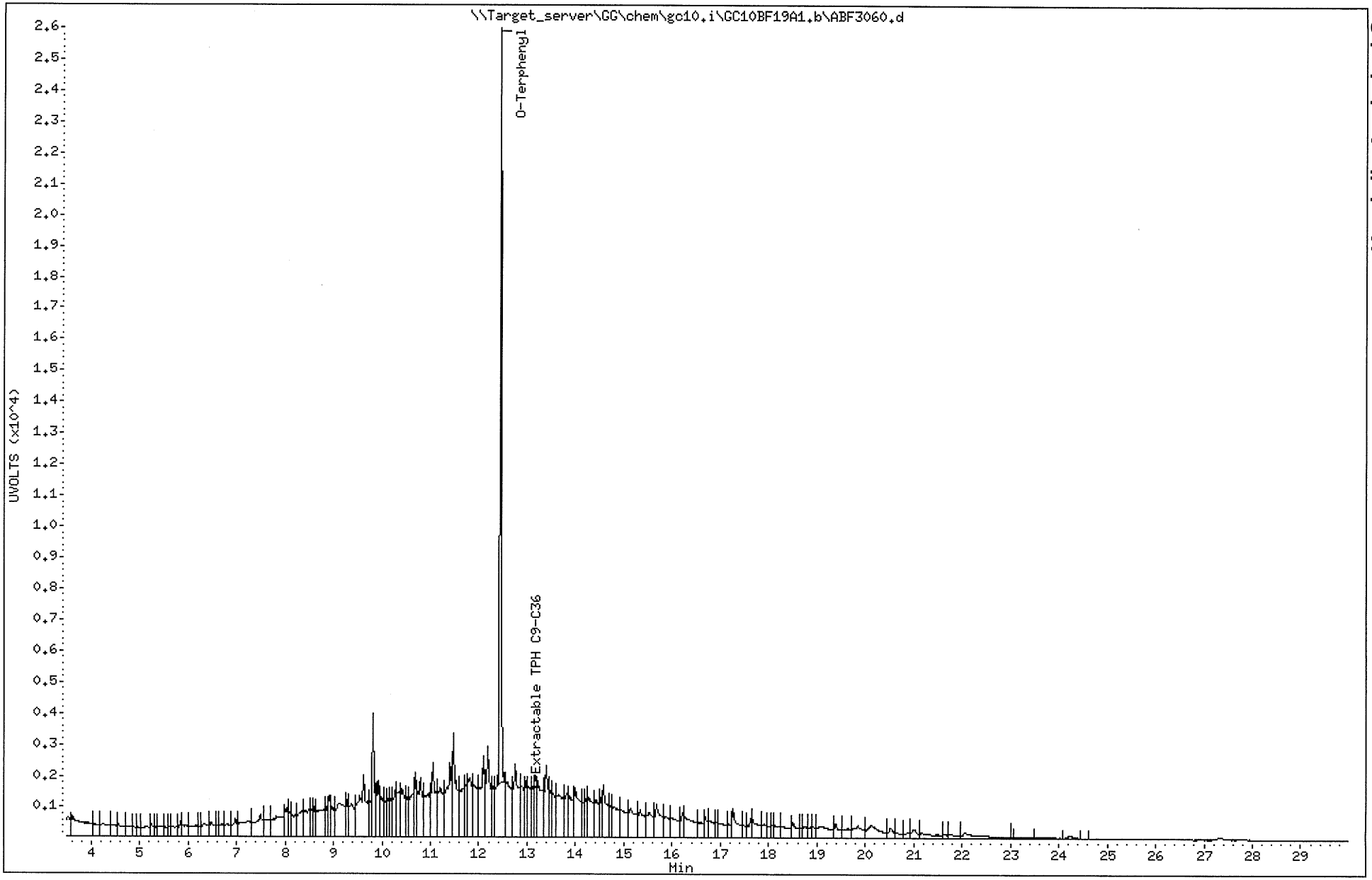
MS Ken 063008

QC Flag Legend

M - Compound response manually integrated.

Data File: \\Target_server\GG\chem\gc10.i\GC10BF19A1.b\ABF3060.d
Date : 21-JUN-2008 04:42
Client ID: AWD-GW-MW302-061108
Sample Info: TPHA021B.M,GC10BF19A1.B,1,SB3101-1
Purge Volume: 1.0
Column phase: ZB-1

Instrument: gc10.i
Operator: KGT
Column diameter: 0.53



Katahdin Analytical Services 2000052

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 06/11/08
Received Date: 06/12/08
Extraction Date: 06/13/08
Analysis Date: 21-JUN-2008 05:21
Report Date: 06/30/2008
Matrix: WATER
% Solids: NA

Lab ID: SB3101-2
Client ID: AWDSWPZ203A20080611
SDG: CTO426-3
Extracted by: KF
Extraction Method: SW846 3510
Analyst: KGT
Analysis Method: SW846 M8015B
Lab Prep Batch: WG52475
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
	Extractable TPH C9-C36		230	1.0	75	77	46
	O-Terphenyl		60%				

Data File: \\Target_server\GG\chem\gc10.i\GC10BF19A1.b\ABF3061.d
Report Date: 30-Jun-2008 08:02

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gc10.i\GC10BF19A1.b\ABF3061.d
Lab Smp Id: SB3101-2 Client Smp ID: AWDSWPZ203A20080611
Inj Date : 21-JUN-2008 05:21
Operator : KGT Inst ID: gc10.i
Smp Info : TPHA021B.M,GC10BF19A1.B,1,SB3101-2
Misc Info : SW846 M8015B
Comment :
Method : \\TARGET_SERVER\GG\chem\gc10.i\GC10BF19A1.B\TPHA021B.m
Meth Date : 27-Jun-2008 16:41 ktanguay Quant Type: ESTD
Cal Date : 08-APR-2008 16:51 Cal File: ABD1097a.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: SW8015M-TPH.sub
Subtraction File: \\Target_server\GG\chem\gc10.i\GC10BF19A1.b\ABF3037A.d
Target Version: 4.12
Processing Host: TARGET02

Concentration Formula: Amt * DF * (Vt/Vo)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00100	Final Volume (L)
Vo	0.97000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/L)	REVIEW CODE
$ 8 O-Terphenyl	12.440	12.559	-0.119	89797	12.0659	12.4(M)	
S 10 Extractable TPH C9-C36	3.916	-22.493		1513122	222.682	230(M)	

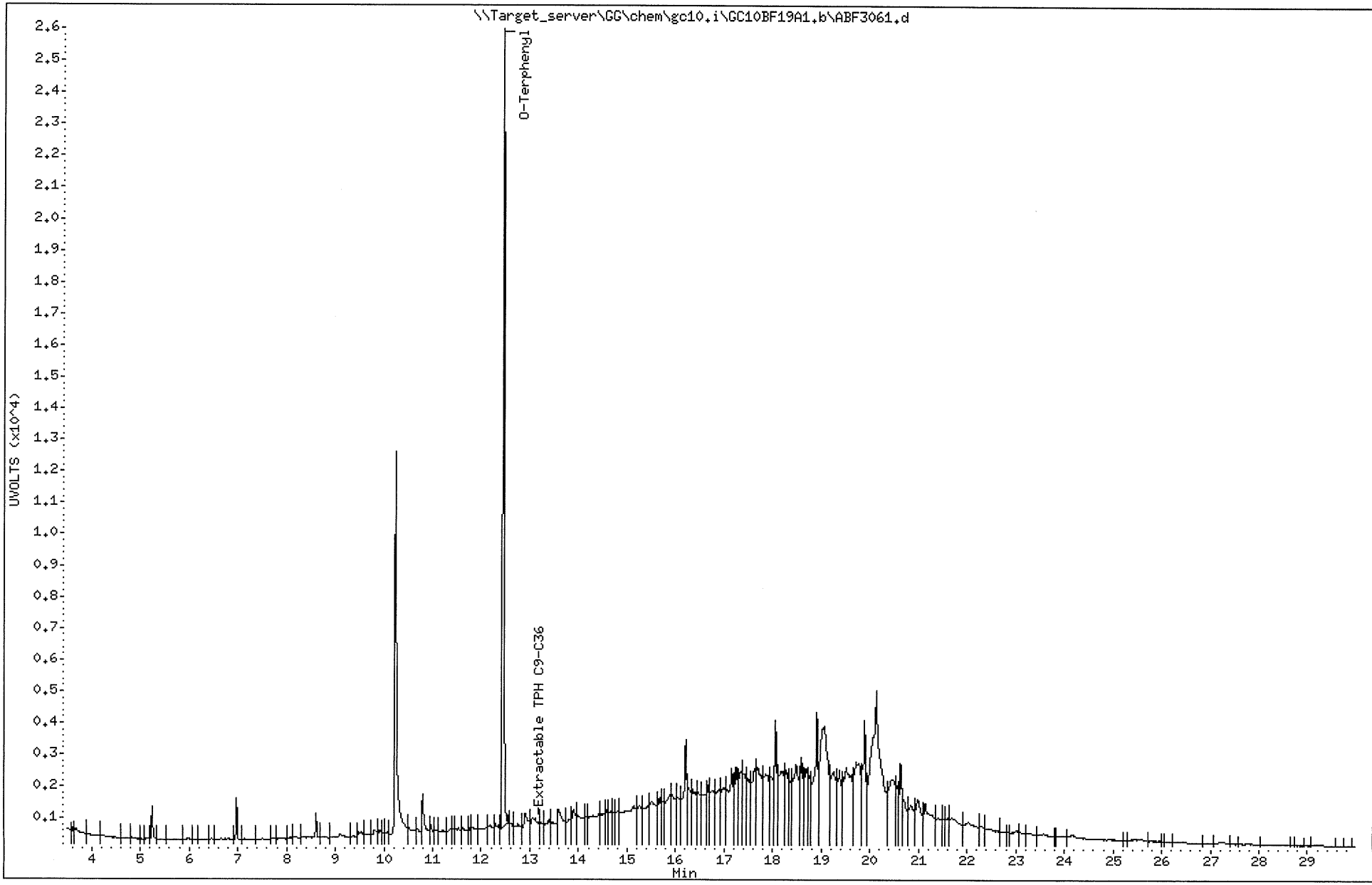
MS
KGT
063008

QC Flag Legend

M - Compound response manually integrated.

Data File: \\Target_server\GG\chem\gc10.i\GC10BF19A1.b\ABF3061.d
Date : 21-JUN-2008 05:21
Client ID: AWDSWPZ203A20080611
Sample Info: TPHA021B.M,GC10BF19A1.B,1,SB3101-2
Purge Volume: 1.0
Column phase: ZB-1

Instrument: gc10.i
Operator: KGT
Column diameter: 0.53



Katahdin Analytical Services 2000055

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 06/11/08
Received Date: 06/12/08
Extraction Date: 06/13/08
Analysis Date: 21-JUN-2008 06:00
Report Date: 06/30/2008
Matrix: WATER
% Solids: NA

Lab ID: SB3101-3
Client ID: AWD-GWMW30120080611
SDG: CTO426-3
Extracted by: KF
Extraction Method: SW846 3510
Analyst: KGT
Analysis Method: SW846 M8015B
Lab Prep Batch: WG52475
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
	Extractable TPH C9-C36		90	1.0	75	77	46
	O-Terphenyl		71%				

Data File: \\Target_server\GG\chem\gc10.i\GC10BF19A1.b\ABF3062.d
Report Date: 30-Jun-2008 08:03

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gc10.i\GC10BF19A1.b\ABF3062.d
Lab Smp Id: SB3101-3 Client Smp ID: AWD-GWMW30120080611
Inj Date : 21-JUN-2008 06:00
Operator : KGT Inst ID: gc10.i
Smp Info : TPHA021B.M,GC10BF19A1.B,1,SB3101-3
Misc Info : SW846 M8015B
Comment :
Method : \\TARGET_SERVER\GG\chem\gc10.i\GC10BF19A1.B\TPHA021B.m
Meth Date : 27-Jun-2008 16:41 ktanguay Quant Type: ESTD
Cal Date : 08-APR-2008 16:51 Cal File: ABD1097a.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: SW8015M-TPH.sub
Subtraction File: \\Target_server\GG\chem\gc10.i\GC10BF19A1.b\ABF3037A.d
Target Version: 4.12
Processing Host: TARGET02

Concentration Formula: Amt * DF * (Vt/Vo)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00100	Final Volume (L)
Vo	0.97000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/L)	REVIEW CODE
$ 8 O-Terphenyl	12.440	12.559	-0.119	104745	14.1399	14.6(M)	
S 10 Extractable TPH C9-C36	3.916	-22.493		635909	87.6341	90.3(M)	

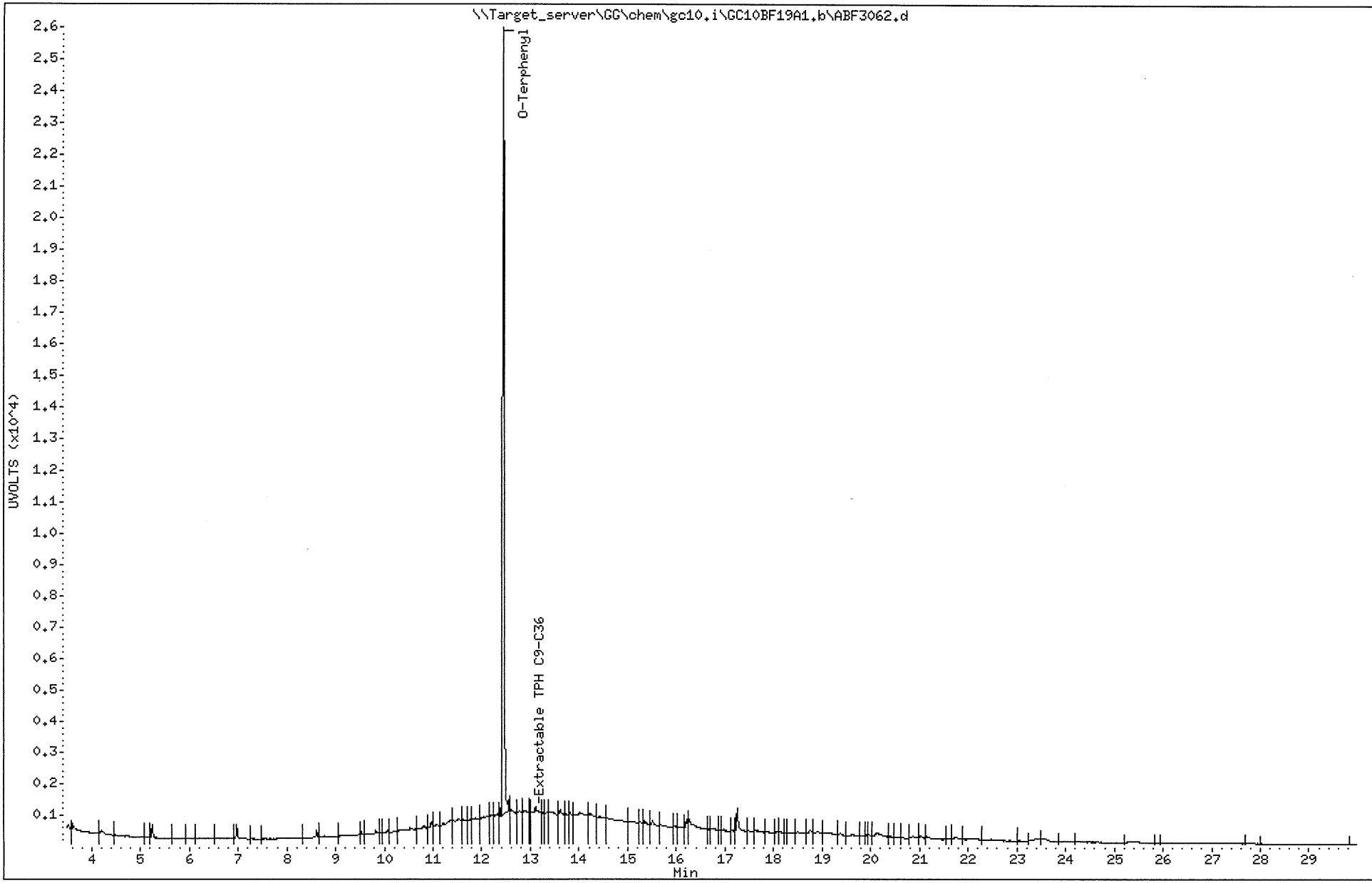
M5
KGT
063008

QC Flag Legend

M - Compound response manually integrated.

Data File: \\Target_server\GG\chem\gc10.i\GC10BF19A1.b\ABF3062.d
Date : 21-JUN-2008 06:00
Client ID: AWD-GWMW30120080611
Sample Info: TPHA021B.M,GC10BF19A1.B,1,SB3101-3
Purge Volume: 1.0
Column phase: ZB-1

Instrument: gc10.i
Operator: KGT
Column diameter: 0.53



Katahdin Analytical Services 2000058

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 06/11/08
Received Date: 06/12/08
Extraction Date: 06/13/08
Analysis Date: 21-JUN-2008 09:15
Report Date: 06/30/2008
Matrix: WATER
% Solids: NA

Lab ID: SB3101-4
Client ID: AWD-GWMW401-061108
SDG: CTO426-3
Extracted by: KF
Extraction Method: SW846 3510
Analyst: KGT
Analysis Method: SW846 M8015B
Lab Prep Batch: WG52475
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
	Extractable TPH C9-C36	U	77	1.0	75	77	46
	O-Terphenyl		81%				

Data File: \\Target_server\GG\chem\gc10.i\GC10BF19A1.b\ABF3067.d
Report Date: 30-Jun-2008 08:03

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gc10.i\GC10BF19A1.b\ABF3067.d
Lab Smp Id: SB3101-4 Client Smp ID: AWD-GWMW401-061108
Inj Date : 21-JUN-2008 09:15
Operator : KGT Inst ID: gc10.i
Smp Info : TPHA021B.M,GC10BF19A1.B,1,SB3101-4
Misc Info : SW846 M8015B
Comment :
Method : \\TARGET_SERVER\GG\chem\gc10.i\GC10BF19A1.B\TPHA021B.m
Meth Date : 27-Jun-2008 16:41 ktanguay Quant Type: ESTD
Cal Date : 08-APR-2008 16:51 Cal File: ABD1097a.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: SW8015M-TPH.sub
Subtraction File: \\Target_server\GG\chem\gc10.i\GC10BF19A1.b\ABF3065.d
Target Version: 4.12
Processing Host: TARGET02

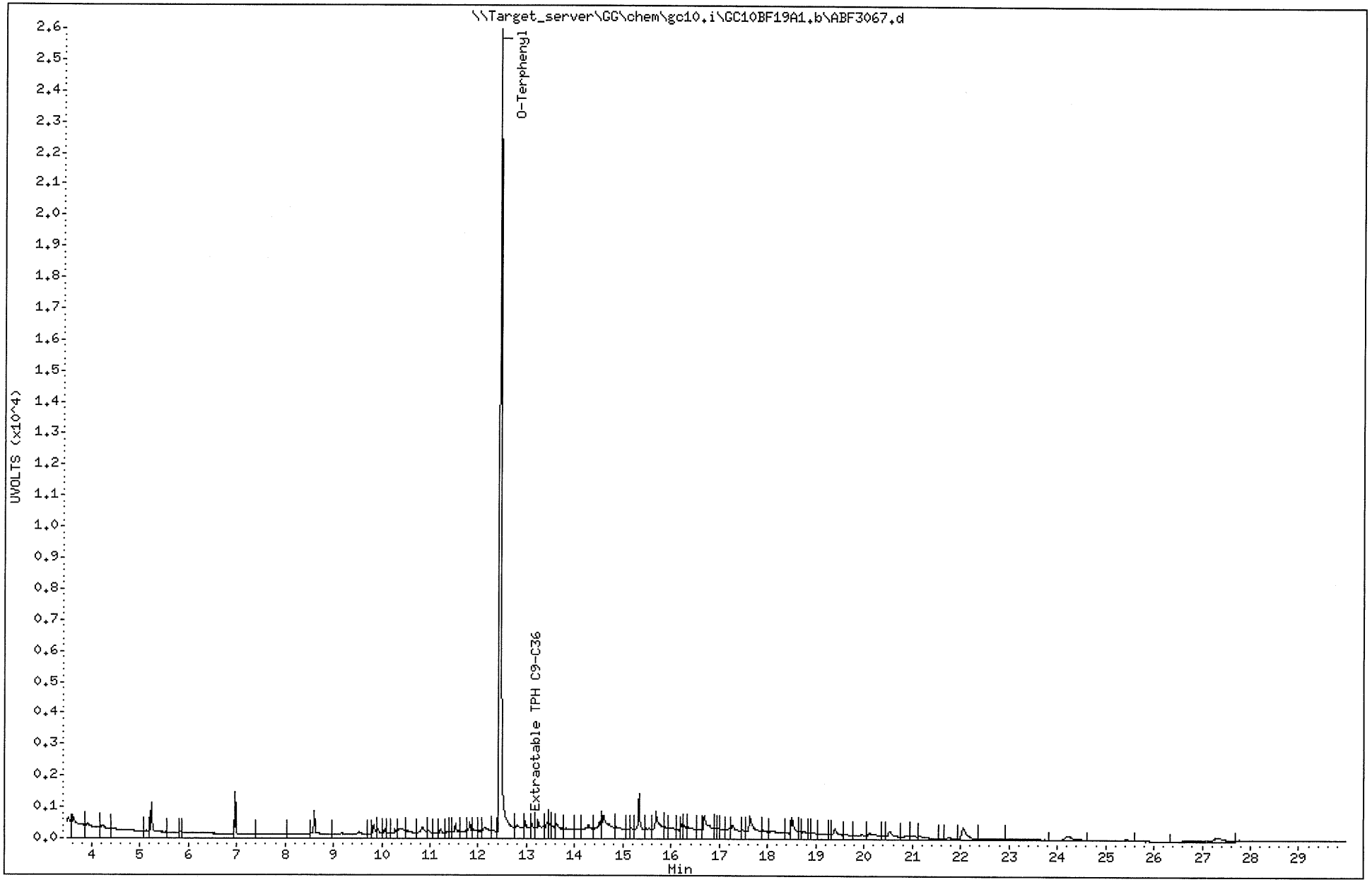
Concentration Formula: Amt * DF * (Vt/Vo)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00100	Final Volume (L)
Vo	0.97000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/L)	REVIEW CODE
$ 8 O-Terphenyl	12.439	12.559	-0.120	120173	16.2805	16.8	

Data File: \\Target_server\GG\chem\gc10.i\GC10BF19A1.b\ABF3067.d
Date : 21-JUN-2008 09:15
Client ID: AWD-GWMW401-061108
Sample Info: TPHA021B.M,GC10BF19A1.B,1,SB3101-4
Purge Volume: 1.0
Column phase: ZB-1

Instrument: gc10.i
Operator: KGT
Column diameter: 0.53



Katahdin Analytical Services 2000061

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 06/11/08
Received Date: 06/12/08
Extraction Date: 06/17/08
Analysis Date: 23-JUN-2008 22:51
Report Date: 06/30/2008
Matrix: WATER
% Solids: NA

Lab ID: SB3101-5
Client ID: AWD-GWMW303-061108
SDG: CTO426-3
Extracted by: KF
Extraction Method: SW846 3510
Analyst: KGT
Analysis Method: SW846 M8015B
Lab Prep Batch: WG52594
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
	Extractable TPH C9-C36		1500	1.0	75	75	44
	O-Terphenyl		70%				

Data File: \\Target_server\GG\chem\gc10.i\GC10BF23A1.b\ABF3086.d
Report Date: 30-Jun-2008 08:01

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gc10.i\GC10BF23A1.b\ABF3086.d
Lab Smp Id: SB3101-5 Client Smp ID: AWD-GWMW303-061108
Inj Date : 23-JUN-2008 22:51
Operator : KGT Inst ID: gc10.i
Smp Info : TPHA021B.M,GC10BF23A1.B,1,SB3101-5
Misc Info : SW846 M8015B
Comment :
Method : \\TARGET_SERVER\GG\chem\gc10.i\GC10BF23A1.B\TPHA021B.m
Meth Date : 24-Jun-2008 11:24 ktanguay Quant Type: ESTD
Cal Date : 08-APR-2008 16:51 Cal File: ABD1097a.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: SW8015M-TPH.sub
Subtraction File: \\Target_server\GG\chem\gc10.i\GC10BF23A1.b\ABF3077.d
Target Version: 4.12
Processing Host: TARGET02

Concentration Formula: Amt * DF * (Vt/Vo)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00100	Final Volume (L)
Vo	1.020	Sample Volume (L)
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/L)	REVIEW CODE
$ 8 O-Terphenyl	12.440	12.559	-0.119	104568	14.1154	13.8(M)	
S 10 Extractable TPH C9-C36	3.916	-22.493		10081059	1541.72	1510(M)	

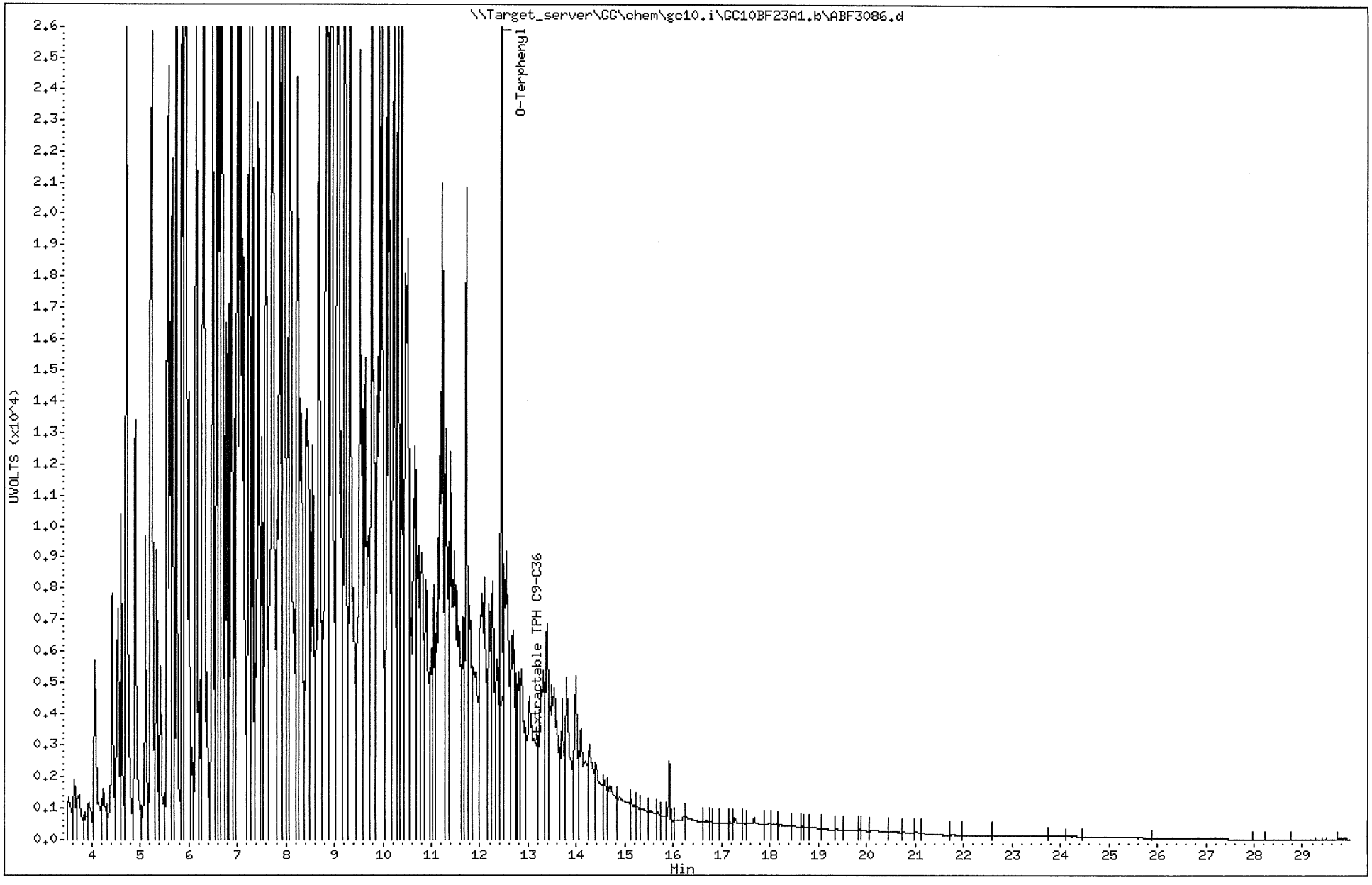
KGT M5
06.30.08

QC Flag Legend

M - Compound response manually integrated.

Data File: \\Target_server\GG\chem\gc10.i\GC10BF23A1.b\ABF3086.d
Date : 23-JUN-2008 22:51
Client ID: AWD-GWMW303-061108
Sample Info: TPHA021B.M,GC10BF23A1.B,1,SB3101-5
Purge Volume: 1.0
Column phase: ZB-1

Instrument: gc10.i
Operator: KGT
Column diameter: 0.53



Katahdin Analytical Services 2000064

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 06/11/08
Received Date: 06/12/08
Extraction Date: 06/17/08
Analysis Date: 23-JUN-2008 23:30
Report Date: 06/30/2008
Matrix: WATER
% Solids: NA

Lab ID: SB3101-6
Client ID: AWD-GW-DUP02
SDG: CTO426-3
Extracted by: KF
Extraction Method: SW846 3510
Analyst: KGT
Analysis Method: SW846 M8015B
Lab Prep Batch: WG52594
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
	Extractable TPH C9-C36	J	43	1.0	75	75	42
	O-Terphenyl		70%				

Data File: \\Target_server\GG\chem\gc10.i\GC10BF23A1.b\ABF3087.d
Report Date: 30-Jun-2008 08:01

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gc10.i\GC10BF23A1.b\ABF3087.d
Lab Smp Id: SB3101-6 Client Smp ID: AWD-GW-DUP02
Inj Date : 23-JUN-2008 23:30
Operator : KGT Inst ID: gc10.i
Smp Info : TPHA021B.M,GC10BF23A1.B,1,SB3101-6
Misc Info : SW846 M8015B
Comment :
Method : \\TARGET_SERVER\GG\chem\gc10.i\GC10BF23A1.B\TPHA021B.m
Meth Date : 24-Jun-2008 11:24 ktanguay Quant Type: ESTD
Cal Date : 08-APR-2008 16:51 Cal File: ABD1097a.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: SW8015M-TPH.sub
Subtraction File: \\Target_server\GG\chem\gc10.i\GC10BF23A1.b\ABF3077.d
Target Version: 4.12
Processing Host: TARGET02

Concentration Formula: Amt * DF * (Vt/Vo)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00100	Final Volume (L)
Vo	1.060	Sample Volume (L)
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/L)	REVIEW CODE
$ 8 O-Terphenyl	12.443	12.559	-0.116	103781	14.0062	13.2	
S 10 Extractable TPH C9-C36	3.916	-22.493		363170	45.6457	43.1(a)	

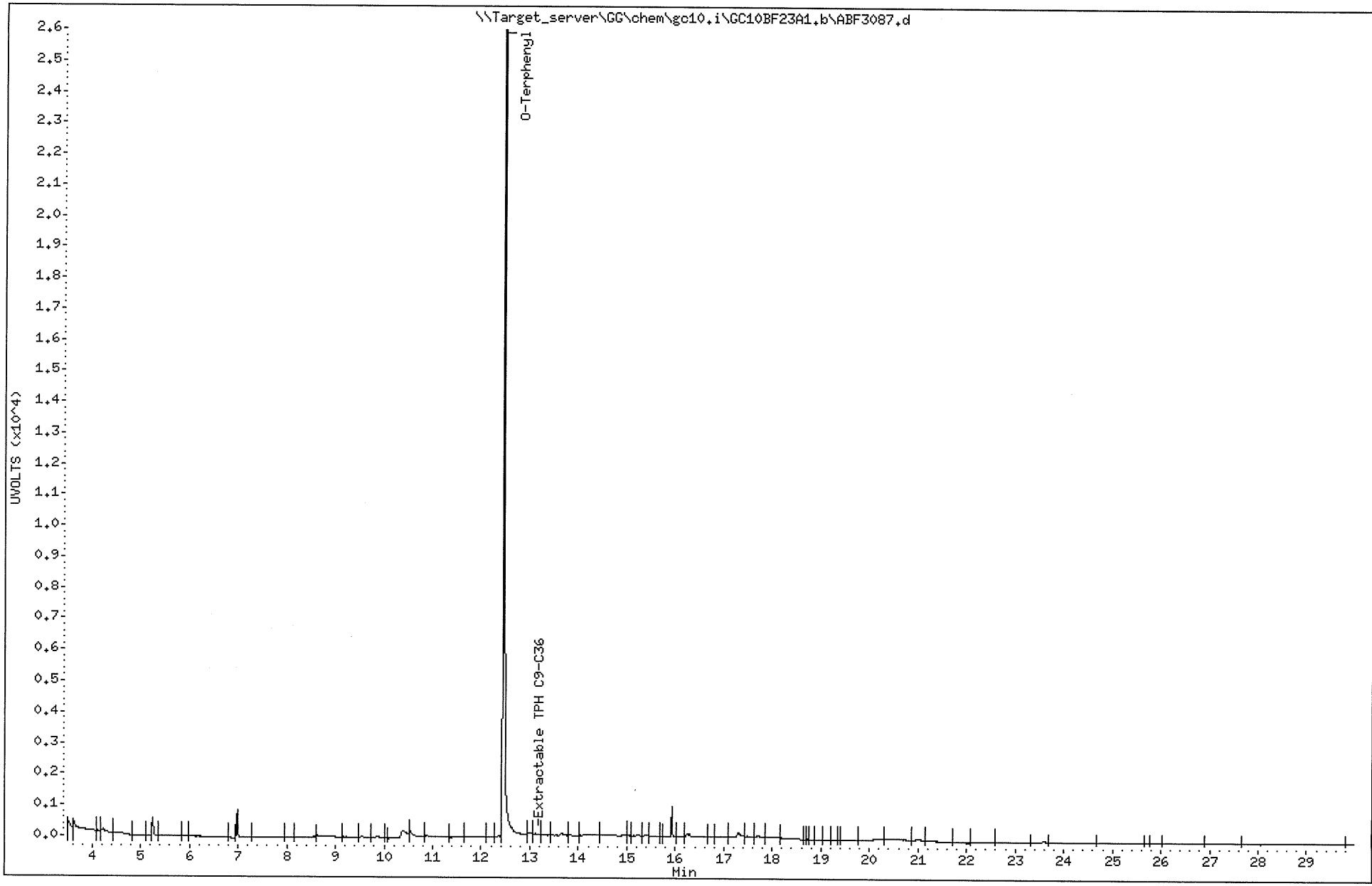
QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: \\Target_server\GG\chem\gc10.i\GC10BF23A1.b\ABF3087.d
Date : 23-JUN-2008 23:30
Client ID: AWD-GW-DUP02
Sample Info: TPHA021B.M,GC10BF23A1.B,1,SB3101-6
Purge Volume: 1.1
Column phase: ZB-1

Instrument: gc10.i

Operator: KGT
Column diameter: 0.53



Katahdin Analytical Services 2000067

Standards Data Section

FORM 6
DRO INITIAL CALIBRATION DATA

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project CTO 426 NLON SDG No.: CTO426-3

Instrument ID: GC10 Calibration Date(s): 04/08/08 04/08/08

Column: ZB-1 ID: 0.53 (mm) Calibration Time(s): 1420 1651

LAB FILE ID: RF5: ABD1097A RF20: ABD1096A RF50: ABD1093A
RF100: ABD1095A RF200: ABD1094A

COMPOUND	RF5	RF20	RF50	RF100	RF200	CURVE	COEFFICENTS A0	A1	%RSD OR R^2	MAX %RSD OR R^2
TPH Peaks C9-C36	456260	1909700	4544300	9497900	2e+007	LINR	-10.264417	1.54e-004	0.99937	0.99000
C-9	32386	131110	311890	653460	1248100	LINR	-0.6810611	1.595e-004	0.99943	0.99000
C-10	31005	132020	319160	664960	1274400	LINR	-0.5081632	1.561e-004	0.99951	0.99000
C-12	27211	125450	320650	673420	1279800	LINR	-0.1114423	1.548e-004	0.99923	0.99000
C-14	31425	136730	317000	672580	1282800	LINR	-0.5758226	1.551e-004	0.99933	0.99000
C-16	34123	135830	322490	673160	1282100	LINR	-0.8506545	1.553e-004	0.99938	0.99000
C-18	33247	138080	327370	683110	1300500	LINR	-0.8120776	1.53e-004	0.99936	0.99000
C-19	33132	137550	329450	685830	1302400	LINR	-0.8427309	1.527e-004	0.99930	0.99000
C-20	34097	140550	330000	691020	1316400	LINR	-0.8172681	1.512e-004	0.99936	0.99000
C-22	34304	139000	329680	685580	1308500	LINR	-0.8440508	1.522e-004	0.99943	0.99000
C-24	34078	143900	332590	683930	1304200	LINR	-1.1734825	1.529e-004	0.99940	0.99000
C-26	33545	137790	327210	674910	1278500	LINR	-1.1343041	1.557e-004	0.99925	0.99000
C-28	33967	141410	332500	687730	1311000	LINR	-0.9828310	1.52e-004	0.99940	0.99000
C-30	34330	143730	338520	702840	1348400	LINR	-0.7436945	1.478e-004	0.99954	0.99000
C-36	29401	126510	305840	665380	1256300	LINR	-0.1392394	1.577e-004	0.99895	0.99000
O-Terphenyl	15561	61620	145870	300120	574940	LINR	-0.3931122	1.387e-004	0.99953	0.99000

FORM VI DRO

Report Date : 30-Jun-2008 08:18

Katahdin Analytical Services

INITIAL CALIBRATION DATA

Start Cal Date : 08-APR-2008 14:20
End Cal Date : 08-APR-2008 16:51
Quant Method : ESTD
Origin : Included
Target Version : 4.12
Integrator : HP Genie
Method file : \\Target_server\GG\chem\gc10.i\GC10BD08A1.b\tpha021a.m
Cal Date : 29-May-2008 12:25 ktanguay

Calibration File Names:
Level 1: \\Target_server\GG\chem\gc10.i\GC10BD08A1.b\ABD1097a.d
Level 2: \\Target_server\GG\chem\gc10.i\GC10BD08A1.b\ABD1096a.d
Level 3: \\Target_server\GG\chem\gc10.i\GC10BD08A1.b\ABD1093a.d
Level 4: \\Target_server\GG\chem\gc10.i\GC10BD08A1.b\ABD1095a.d
Level 5: \\Target_server\GG\chem\gc10.i\GC10BD08A1.b\ABD1094a.d

	Compound	5.0000 Level 1	20.0000 Level 2	50.0000 Level 3	100.0000 Level 4	200.0000 Level 5	Curve	Coefficients b	m1	m2	%RSD or R^2	
M	1 TPH Peaks C9-C36	456258	1909678	4544345	9497893	18093636	LINR	-10.26442	6496		0.99937	
S	32 TPH-Product	+++++	+++++	+++++	+++++	+++++	LINR	0.000e+000	0.000e+000		0.000e+000	<-
	2 C-9	32386	131110	311889	653463	1248126	LINR	-0.68106	6270		0.99943	
	3 C-10	31005	132023	319159	664959	1274452	LINR	-0.50816	6406		0.99951	
	4 C-12	27211	125454	320651	673418	1279795	LINR	-0.11144	6459		0.99923	
	5 C-14	31425	136733	317002	672581	1282836	LINR	-0.57582	6449		0.99933	
	6 C-16	34123	135830	322487	673159	1282135	LINR	-0.85065	6440		0.99938	
	7 C-18	33247	138080	327374	683107	1300537	LINR	-0.81208	6535		0.99936	
	9 C-19	33132	137554	329450	685829	1302420	LINR	-0.84273	6547		0.99930	
	10 Extractable TPH C9-C36	456258	1909678	4544354	9497893	18093636	LINR	-10.26469	6496		0.99937	
	11 C-20	34097	140554	330004	691018	1316403	LINR	-0.81727	6612		0.99936	
	12 C-22	34304	139004	329681	685575	1308489	LINR	-0.84405	6570		0.99943	
	13 C-24	34078	143901	332588	683933	1304227	LINR	-1.17348	6540		0.99940	
	14 C-26	33545	137787	327206	674908	1278460	LINR	-1.13430	6422		0.99925	
	15 C-28	33967	141407	332501	687730	1311034	LINR	-0.98283	6581		0.99940	

Katahdin Analytical Services 2000070

Report Date : 30-Jun-2008 08:18

Katahdin Analytical Services

INITIAL CALIBRATION DATA

Start Cal Date : 08-APR-2008 14:20
End Cal Date : 08-APR-2008 16:51
Quant Method : ESTD
Origin : Included
Target Version : 4.12
Integrator : HP Genie
Method file : \\Target_server\GG\chem\gc10.i\GC10BD08A1.b\tpha021a.m
Cal Date : 29-May-2008 12:25 ktanguay

Compound	5.0000 Level 1	20.0000 Level 2	50.0000 Level 3	100.0000 Level 4	200.0000 Level 5	Curve	Coefficients b	m1	m2	%RSD or R^2
16 C-30	34330	143726	338516	702836	1348413	LINR	-0.74369	6767		0.99954
17 C-36	29401	126507	305837	665377	1256309	LINR	-0.13924	6342		0.99895
$ 8 O-Terphenyl	15561	61620	145866	300124	574935	LINR	-0.39311	7207		0.99953

Katahdin Analytical Services 2000071

Report Date : 30-Jun-2008 08:18

Katahdin Analytical Services

INITIAL CALIBRATION DATA

Start Cal Date : 08-APR-2008 14:20
End Cal Date : 08-APR-2008 16:51
Quant Method : ESTD
Origin : Included
Target Version : 4.12
Integrator : HP Genie
Method file : \\Target_server\GG\chem\gc10.i\GC10BD08A1.b\tpha021a.m
Cal Date : 29-May-2008 12:25 ktanguay

Curve	Formula	Units
Linear	Amt = b + Rsp/m1	Response

Katahdin Analytical Services 2000072

Data File: \\target_server\GG\chem\gc10.i\GC10BD08A1.b\ABD1093a.d
Report Date: 15-Apr-2008 13:11

Katahdin Analytical Services

Data file : \\target_server\GG\chem\gc10.i\GC10BD08A1.b\ABD1093a.d
Lab Smp Id: PHC 50UG/ML
Inj Date : 08-APR-2008 14:20
Operator : JLP Inst ID: gc10.i
Smp Info : tphA021A.M,GC10BD08A1.B,1,PHC 50UG/ML
Misc Info : None
Comment :
Method : \\target_server\GG\chem\gc10.i\GC10BD08A1.B\tphA021A.m
Meth Date : 09-Apr-2008 13:33 jprescott Quant Type: ESTD
Cal Date : 08-APR-2008 14:20 Cal File: ABD1093a.d
Als bottle: 1 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: cv.sub
Subtraction File: \\target_server\GG\chem\gc10.i\GC10BD08A1.b\ABD1090.d
Target Version: 4.12
Processing Host: V200T2

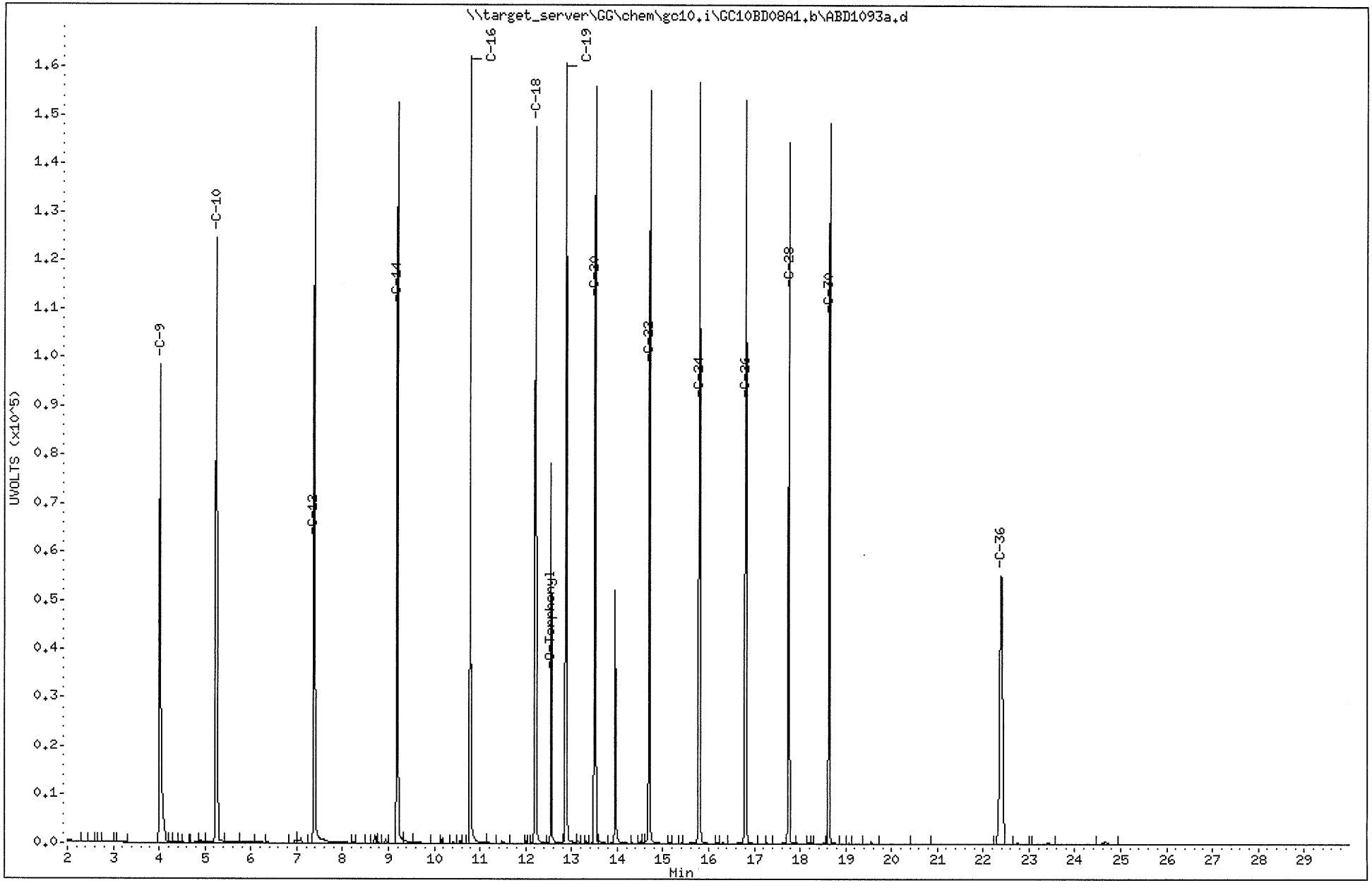
Concentration Formula: Amt * DF * (Vt/Vo)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00100	Final Volume (L)
Vo	1.000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)
M 1 TPH Peaks C9-C36				4544345	700.000	689
2 C-9	4.015	4.015	0.000	311889	50.0000	49.0
3 C-10	5.244	5.244	0.000	319159	50.0000	49.3
4 C-12	7.386	7.386	0.000	320651	50.0000	49.5
5 C-14	9.196	9.196	0.000	317002	50.0000	48.6
6 C-16	10.786	10.786	0.000	322487	50.0000	49.2
7 C-18	12.216	12.216	0.000	327374	50.0000	49.3
$ 8 O-Terphenyl	12.559	12.559	0.000	145866	20.0000	19.8
9 C-19	12.880	12.880	0.000	329450	50.0000	49.5
11 C-20	13.516	13.516	0.000	330004	50.0000	49.1
12 C-22	14.704	14.704	0.000	329681	50.0000	49.3
13 C-24	15.798	15.798	0.000	332588	50.0000	49.7
14 C-26	16.811	16.811	0.000	327206	50.0000	49.8
15 C-28	17.756	17.756	0.000	332501	50.0000	49.5
16 C-30	18.637	18.637	0.000	338516	50.0000	49.3
17 C-36	22.392	22.392	0.000	305837	50.0000	48.1

Data File: \\target_server\GG\chem\gc10.i\GC10BD08A1.b\ABD1093a.d
Date : 08-APR-2008 14:20
Client ID:
Sample Info: tphA021A.M,GC10BD08A1.B,1,PHC 50UG/ML
Purge Volume: 1.0
Column phase: ZB-1

Instrument: gc10.i
Operator: JLP
Column diameter: 0.53



Katahdin Analytical Services 2000074

Data File: \\target_server\GG\chem\gc10.i\GC10BD08A1.b\ABD1094a.d
Report Date: 15-Apr-2008 13:11

Katahdin Analytical Services

Data file : \\target_server\GG\chem\gc10.i\GC10BD08A1.b\ABD1094a.d
Lab Smp Id: PHC 200UG/ML
Inj Date : 08-APR-2008 14:58
Operator : JLP Inst ID: gc10.i
Smp Info : tphA021A.M,GC10BD08A1.B,1,PHC 200UG/ML
Misc Info : None
Comment :
Method : \\target_server\GG\chem\gc10.i\GC10BD08A1.B\tphA021A.m
Meth Date : 09-Apr-2008 13:33 jprescott Quant Type: ESTD
Cal Date : 08-APR-2008 14:58 Cal File: ABD1094a.d
Als bottle: 1 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: cv.sub
Subtraction File: \\target_server\GG\chem\gc10.i\GC10BD08A1.b\ABD1090.d
Target Version: 4.12
Processing Host: V200T2

Concentration Formula: Amt * DF * (Vt/Vo)*1000 * CpndVariable

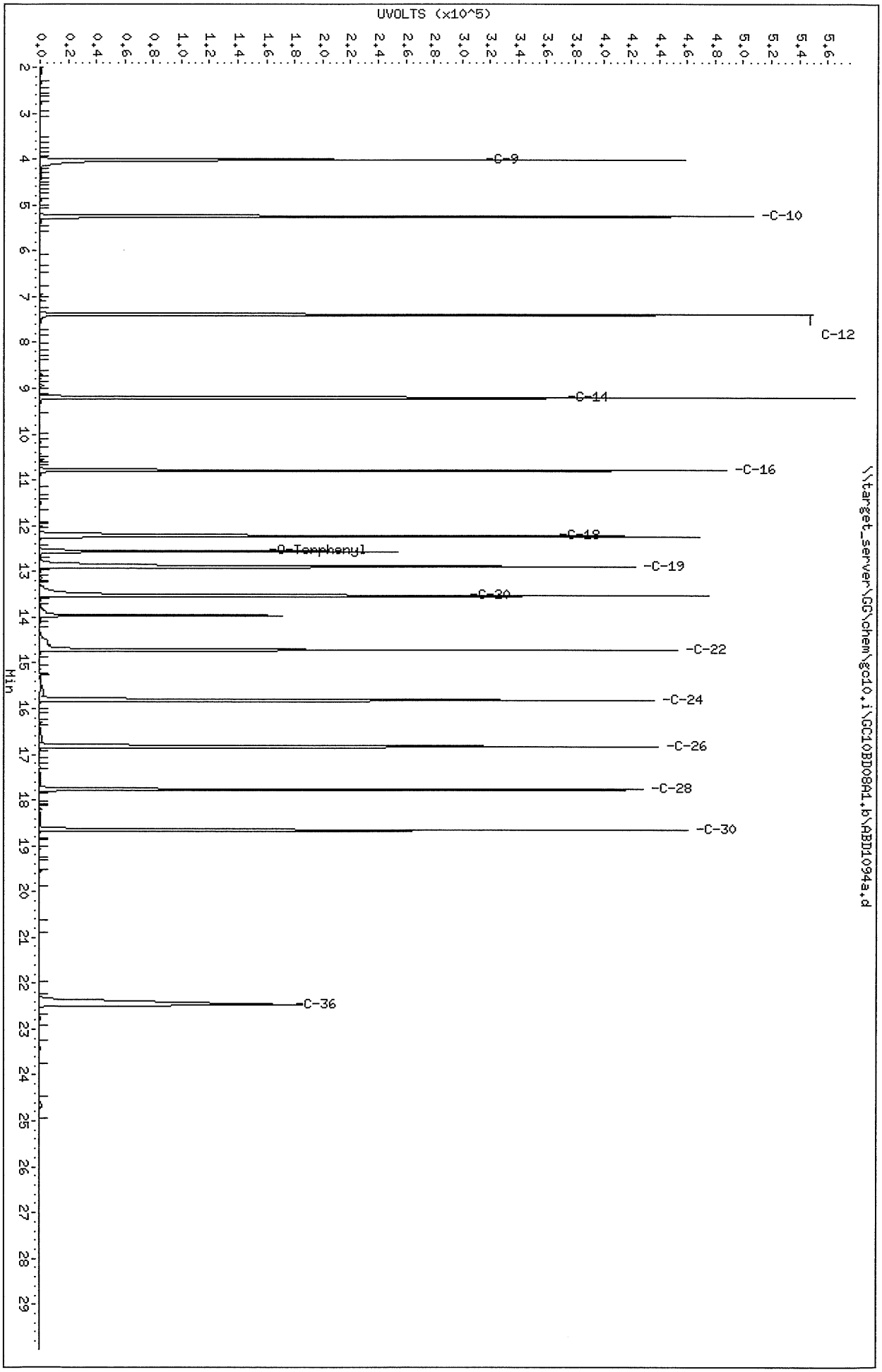
Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00100	Final Volume (L)
Vo	1.000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)
M	1 TPH Peaks C9-C36				18093636	2800.00	2730
	2 C-9	4.024	4.015	0.009	1248126	200.000	193
	3 C-10	5.255	5.244	0.011	1274452	200.000	195
	4 C-12	7.400	7.386	0.014	1279795	200.000	195
	5 C-14	9.210	9.196	0.014	1282836	200.000	195
	6 C-16	10.800	10.786	0.014	1282135	200.000	196
	7 C-18	12.236	12.216	0.020	1300537	200.000	195
$	8 O-Terphenyl	12.571	12.559	0.012	574935	80.0000	78.5
	9 C-19	12.897	12.880	0.017	1302420	200.000	195
	11 C-20	13.531	13.516	0.015	1316403	200.000	195
	12 C-22	14.720	14.704	0.016	1308489	200.000	193 (M)
	13 C-24	15.826	15.798	0.028	1304227	200.000	195 (M)
	14 C-26	16.840	16.811	0.029	1278460	200.000	193 (M)
	15 C-28	17.773	17.756	0.017	1311034	200.000	193 (M)
	16 C-30	18.666	18.637	0.029	1348413	200.000	194 (M)
	17 C-36	22.462	22.392	0.070	1256309	200.000	200 (A)

M7 JLP 040908

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.


Data File: \\target_server\GC\chem\gc10,i\GC10BD08A1,b\ABD1094a,d
Date : 08-APR-2008 14:58
Client ID:
Sample Info: tphA021A,M,GC10BD08A1,B,1,PHC 200UG/ML
Purge Volume: 1.0
Column phase: ZB-1
Instrument: gc10,i
Operator: JLP
Column diameter: 0.53
UVOLTS (x10^5)
\\target_server\GC\chem\gc10,i\GC10BD08A1,b\ABD1094a,d
-C-9
-C-10
C-12
-C-14
-C-16
-C-18
-O-Terphenyl
-C-19
-C-20
-C-22
-C-24
-C-26
-C-28
-C-30
-C-36
Min

Data File: \\target_server\GG\chem\gc10.i\GC10BD08A1.b\ABD1095a.d
Report Date: 15-Apr-2008 13:11

Katahdin Analytical Services

Data file : \\target_server\GG\chem\gc10.i\GC10BD08A1.b\ABD1095a.d
Lab Smp Id: PHC 100UG/ML
Inj Date : 08-APR-2008 15:35
Operator : JLP Inst ID: gc10.i
Smp Info : tphA021A.M,GC10BD08A1.B,1,PHC 100UG/ML
Misc Info : None
Comment :
Method : \\target_server\GG\chem\gc10.i\GC10BD08A1.B\tphA021A.m
Meth Date : 09-Apr-2008 13:33 jprescott Quant Type: ESTD
Cal Date : 08-APR-2008 15:35 Cal File: ABD1095a.d
Als bottle: 1 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: cv.sub
Subtraction File: \\target_server\GG\chem\gc10.i\GC10BD08A1.b\ABD1090.d
Target Version: 4.12
Processing Host: V200T2

Concentration Formula: Amt * DF * (Vt/Vo)*1000 * CpndVariable

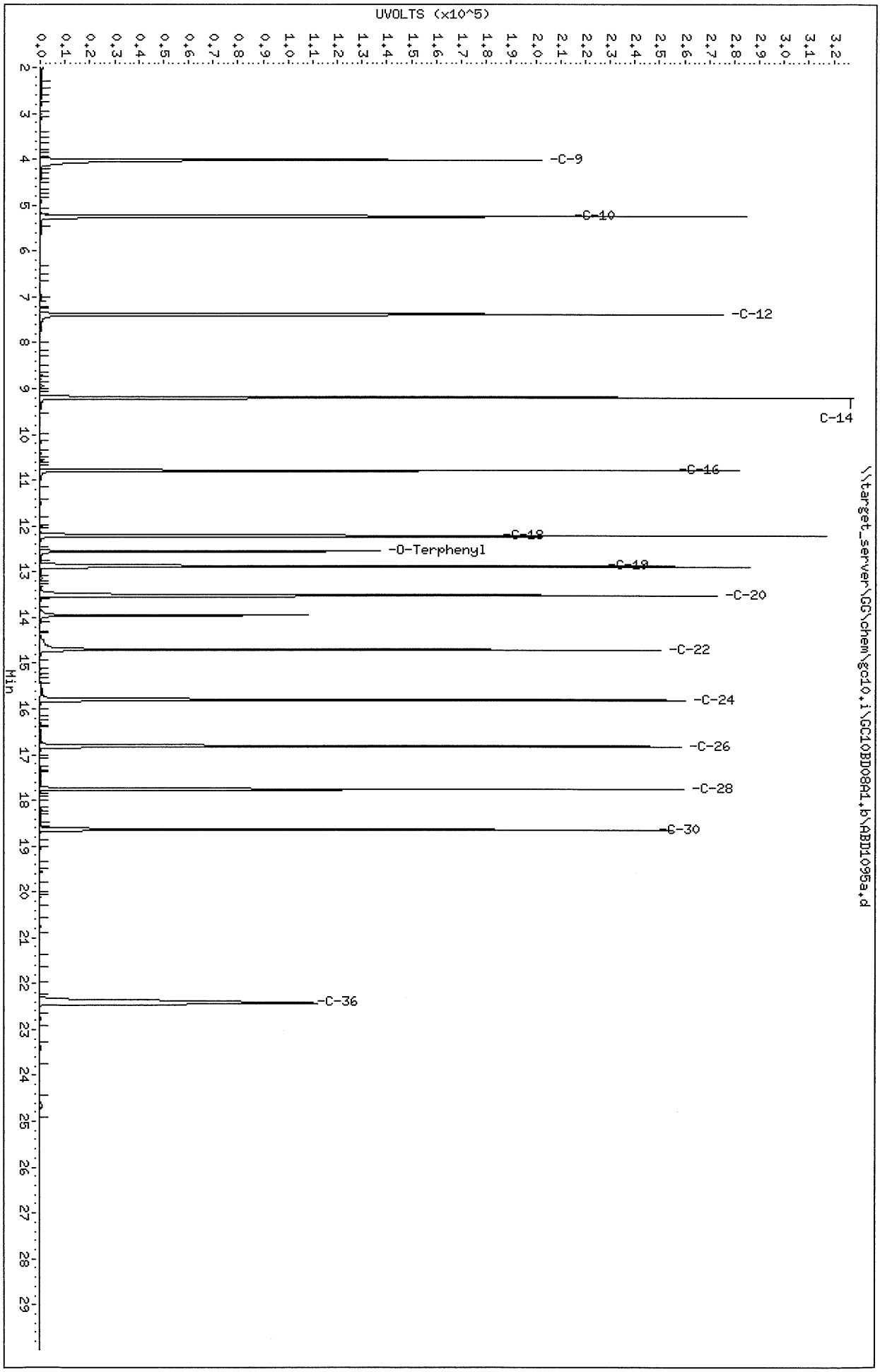
Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00100	Final Volume (L)
Vo	1.000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)
M 1 TPH Peaks C9-C36				9497893	1400.00	1470
2 C-9	4.017	4.015	0.002	653463	100.000	103
3 C-10	5.250	5.244	0.006	664959	100.000	105
4 C-12	7.392	7.386	0.006	673418	100.000	104
5 C-14	9.200	9.196	0.004	672581	100.000	106
6 C-16	10.794	10.786	0.008	673159	100.000	105
7 C-18	12.224	12.216	0.008	683107	100.000	104
$ 8 O-Terphenyl	12.562	12.559	0.003	300124	40.0000	41.7
9 C-19	12.889	12.880	0.009	685829	100.000	106
11 C-20	13.522	13.516	0.006	691018	100.000	106
12 C-22	14.706	14.704	0.002	685575	100.000	103(M)
13 C-24	15.813	15.798	0.015	683933	100.000	106(M)
14 C-26	16.826	16.811	0.015	674908	100.000	104(M)
15 C-28	17.760	17.756	0.004	687730	100.000	103(M)
16 C-30	18.647	18.637	0.010	702836	100.000	105
17 C-36	22.421	22.392	0.029	665377	100.000	105

MT JLP 040908

QC Flag Legend

M - Compound response manually integrated.


Data File: \\target_server\GC\chem\gc10.i\GC10BD08A1.b\ABD1095a.d
Date : 08-APR-2008 15:35
Client ID:
Sample Info: tphA021A,M,GC10BD08A1.B,1,PHC 100UG/ML
Purge Volume: 1.0
Column phase: ZB-1
Instrument: gc10.i
Operator: JLP
Column diameter: 0.53
\\target_server\GC\chem\gc10.i\GC10BD08A1.b\ABD1095a.d
UVOLTS (x10^5)
Min
-C-9
-C-10
-C-12
C-14
-C-16
-C-18
-O-Terphenyl
-C-19
-C-20
-C-22
-C-24
-C-26
-C-28
-C-30
-C-36

Data File: \\target_server\GG\chem\gc10.i\GC10BD08A1.b\ABD1096a.d
Report Date: 15-Apr-2008 13:11

Katahdin Analytical Services

Data file : \\target_server\GG\chem\gc10.i\GC10BD08A1.b\ABD1096a.d
Lab Smp Id: PHC 20UG/ML
Inj Date : 08-APR-2008 16:13
Operator : JLP Inst ID: gc10.i
Smp Info : tphA021A.M,GC10BD08A1.B,1,PHC 20UG/ML
Misc Info : None
Comment :
Method : \\target_server\GG\chem\gc10.i\GC10BD08A1.B\tphA021A.m
Meth Date : 09-Apr-2008 13:33 jprescott Quant Type: ESTD
Cal Date : 08-APR-2008 16:13 Cal File: ABD1096a.d
Als bottle: 1 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: cv.sub
Subtraction File: \\target_server\GG\chem\gc10.i\GC10BD08A1.b\ABD1090.d
Target Version: 4.12
Processing Host: V200T2

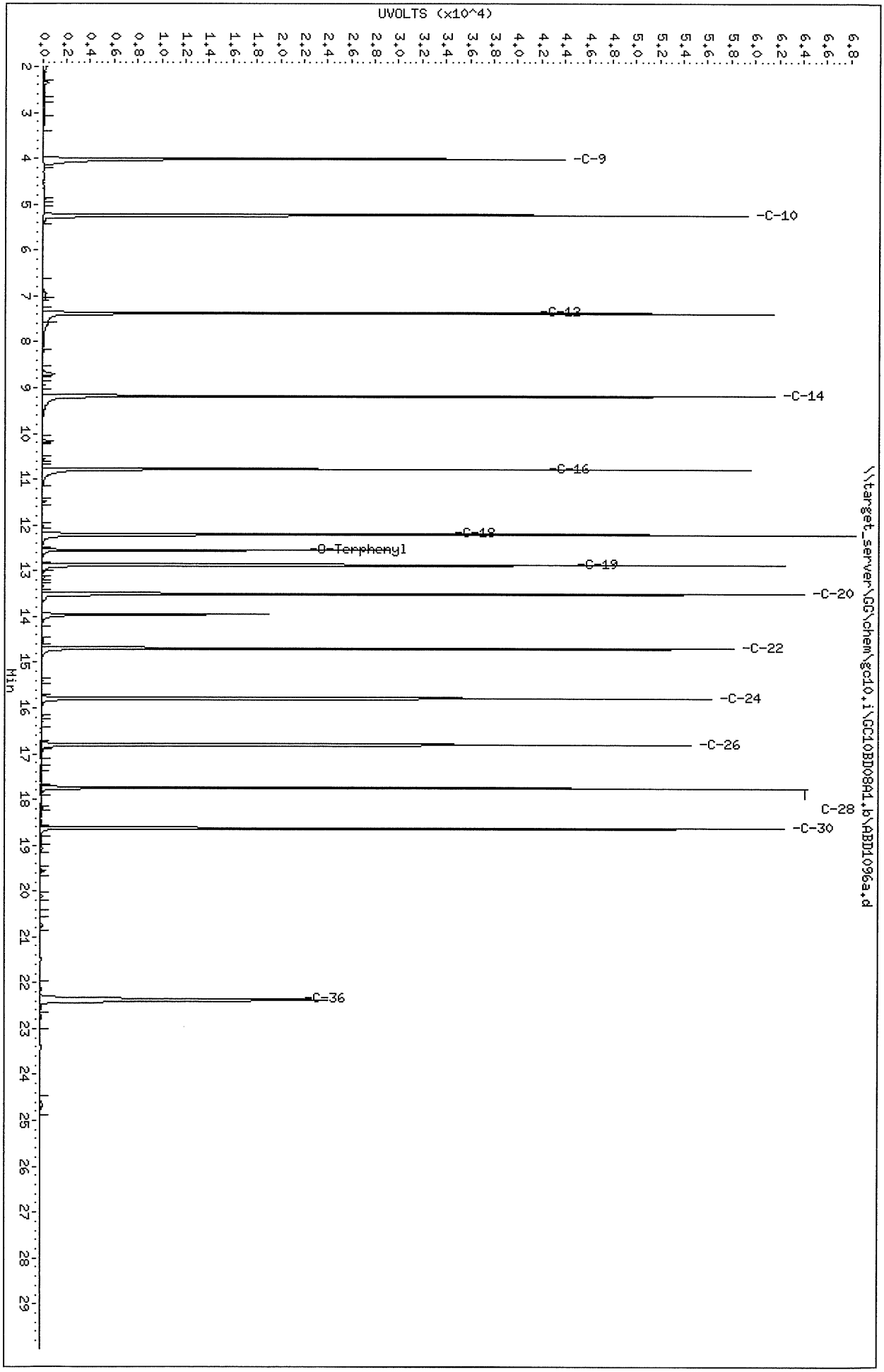
Concentration Formula: Amt * DF * (Vt/Vo)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00100	Final Volume (L)
Vo	1.000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)
M 1 TPH Peaks C9-C36				1909670	280.000	292
2 C-9	4.013	4.015	-0.002	131110	20.0000	20.0
3 C-10	5.240	5.244	-0.004	132023	20.0000	21.3
4 C-12	7.383	7.386	-0.003	125454	20.0000	20.3
5 C-14	9.189	9.196	-0.007	136733	20.0000	21.8
6 C-16	10.783	10.786	-0.003	135830	20.0000	20.3
7 C-18	12.212	12.216	-0.004	138080	20.0000	21.6
$ 8 O-Terphenyl	12.556	12.559	-0.003	61620	8.00000	7.52
9 C-19	12.877	12.880	-0.003	137554	20.0000	21.4
11 C-20	13.509	13.516	-0.007	140554	20.0000	21.7
12 C-22	14.697	14.704	-0.007	139004	20.0000	20.3
13 C-24	15.792	15.798	-0.006	143901	20.0000	22.1
14 C-26	16.806	16.811	-0.005	137787	20.0000	20.5
15 C-28	17.748	17.756	-0.008	141407	20.0000	20.2
16 C-30	18.629	18.637	-0.008	143726	20.0000	20.3
17 C-36	22.372	22.392	-0.020	126507	20.0000	19.6

Data File: \\target_server\GC\chem\gc10.i\GC10BD08A1.b\ABD1096a.d
Date : 08-APR-2008 16:13
Client ID:
Sample Info: tphA021A.M,GC10BD08A1.B,1,PHC 20UG/ML
Purge Volume: 1.0
Column phase: ZB-1

Instrument: gc10.i
Operator: JLP
Column diameter: 0.53



Data File: \\target_server\GG\chem\gc10.i\GC10BD08A1.b\ABD1097a.d
Report Date: 15-Apr-2008 13:11

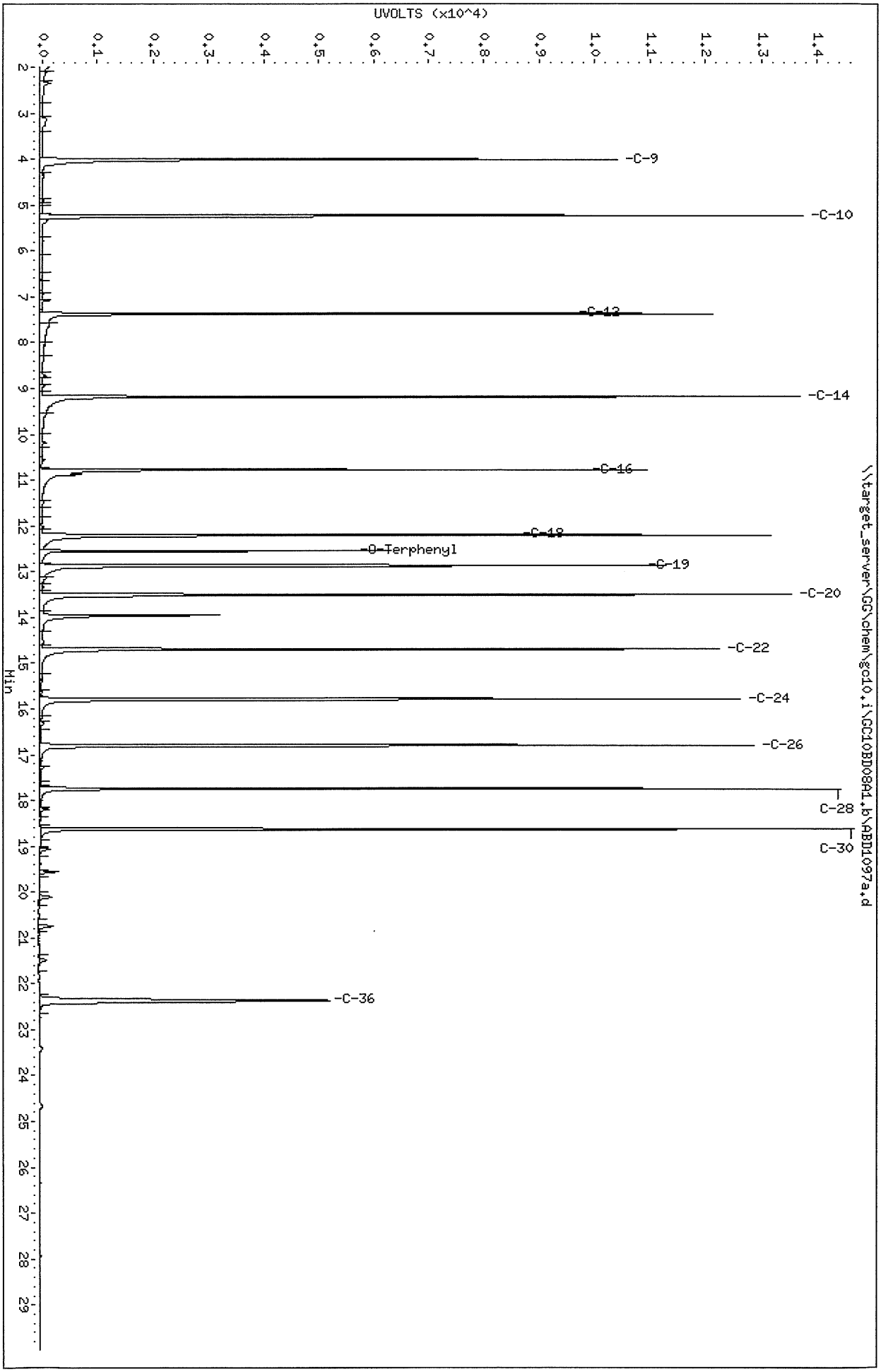
Katahdin Analytical Services

Data file : \\target_server\GG\chem\gc10.i\GC10BD08A1.b\ABD1097a.d
Lab Smp Id: PHC 5UG/ML
Inj Date : 08-APR-2008 16:51
Operator : JLP Inst ID: gc10.i
Smp Info : tphA021A.M,GC10BD08A1.B,1,PHC 5UG/ML
Misc Info : None
Comment :
Method : \\target_server\GG\chem\gc10.i\GC10BD08A1.B\tphA021A.m
Meth Date : 09-Apr-2008 13:33 jprescott Quant Type: ESTD
Cal Date : 08-APR-2008 16:51 Cal File: ABD1097a.d
Als bottle: 1 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: cv.sub
Subtraction File: \\target_server\GG\chem\gc10.i\GC10BD08A1.b\ABD1090.d
Target Version: 4.12
Processing Host: V200T2

Concentration Formula: Amt * DF * (Vt/Vo)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00100	Final Volume (L)
Vo	1.000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)
M 1 TPH Peaks C9-C36				456251	70.0000	60.0
2 C-9	4.014	4.015	-0.001	32386	5.00000	4.48
3 C-10	5.241	5.244	-0.003	31005	5.00000	4.33
4 C-12	7.382	7.386	-0.004	27211	5.00000	4.10
5 C-14	9.188	9.196	-0.008	31425	5.00000	4.30
6 C-16	10.781	10.786	-0.005	34123	5.00000	4.45
7 C-18	12.211	12.216	-0.005	33247	5.00000	4.28
$ 8 O-Terphenyl	12.554	12.559	-0.005	15561	2.00000	1.76
9 C-19	12.874	12.880	-0.006	33132	5.00000	4.22
11 C-20	13.508	13.516	-0.008	34097	5.00000	4.34
12 C-22	14.696	14.704	-0.008	34304	5.00000	4.38
13 C-24	15.790	15.798	-0.008	34078	5.00000	4.04
14 C-26	16.803	16.811	-0.008	33545	5.00000	4.09
15 C-28	17.746	17.756	-0.010	33967	5.00000	4.18
16 C-30	18.627	18.637	-0.010	34330	5.00000	4.33
17 C-36	22.367	22.392	-0.025	29401	5.00000	4.50


Data File: \\target_server\GC\chem\gc10,i\GC10BD08A1,b\ABD1097a,d
Date : 08-APR-2008 16:51
Client ID:
Sample Info: tphA021A,M,GC10BD08A1,B,1,PHC 5UG/ML
Purge Volume: 1.0
Column phase: ZB-1
Instrument: gc10,i
Operator: JLP
Column diameter: 0.53
UVOLTS (x10^4)
0.0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1.0
1.1
1.2
1.3
1.4
Min
2
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24
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26
27
28
29
-C-9
-C-10
-C-12
-C-14
-C-16
-C-18
-O-Terphenyl
-C-19
-C-20
-C-22
-C-24
-C-26
C-28
C-30
-C-36
\\target_server\GC\chem\gc10,i\GC10BD08A1,b\ABD1097a,d

FORM 7B
SEMIVOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 426 NLON SDG No.: CTO426-3

Instrument ID: GC10 Calibration Date: 04/08/08 Time: 1729

Lab File ID: ABD1098A Init. Calib. Date(s): 04/08/08 04/08/08

Init. Calib. Times: 1420 1651

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-10	47.982000	50.000000	6212.0000	0.01	-4.04	20.00	LINR
C-12	49.926000	50.000000	6464.1000	0.01	-0.15	20.00	LINR
C-14	48.222000	50.000000	6293.8000	0.01	-3.56	20.00	LINR
C-16	49.240000	50.000000	6451.3000	0.01	-1.52	20.00	LINR
C-18	49.344000	50.000000	6555.0000	0.01	-1.31	20.00	LINR
C-20	47.780000	50.000000	6427.0000	0.01	-4.44	20.00	LINR
C-22	49.249000	50.000000	6582.3000	0.01	-1.50	20.00	LINR
C-24	49.240000	50.000000	6594.6000	0.01	-1.52	20.00	LINR
C-26	50.386000	50.000000	6617.2000	0.01	0.77	20.00	LINR
C-28	44.499000	50.000000	5986.2000	0.01	-11.00	20.00	LINR

FORM VII DRO

Data File: \\target_server\GG\chem\gc10.i\GC10BD08A1.b\ABD1098a.d
Report Date: 15-Apr-2008 13:11

Katahdin Analytical Services

Data file : \\target_server\GG\chem\gc10.i\GC10BD08A1.b\ABD1098a.d
Lab Smp Id: PHC IND
Inj Date : 08-APR-2008 17:29
Operator : JLP Inst ID: gc10.i
Smp Info : tphA021A.M,GC10BD08A1.B,1,PHC IND
Misc Info : IND
Comment :
Method : \\TARGET_SERVER\GG\chem\gc10.i\GC10BD08A1.B\tphA021A.m
Meth Date : 09-Apr-2008 13:33 jprescott Quant Type: ESTD
Cal Date : 08-APR-2008 16:51 Cal File: ABD1097a.d
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: INDSOURCE.sub
Subtraction File: \\target_server\GG\chem\gc10.i\GC10BD08A1.b\ABD1090.d
Target Version: 4.12
Processing Host: V200T2

Concentration Formula: Amt * DF * (Vt/Vo)*1000 * CpndVariable

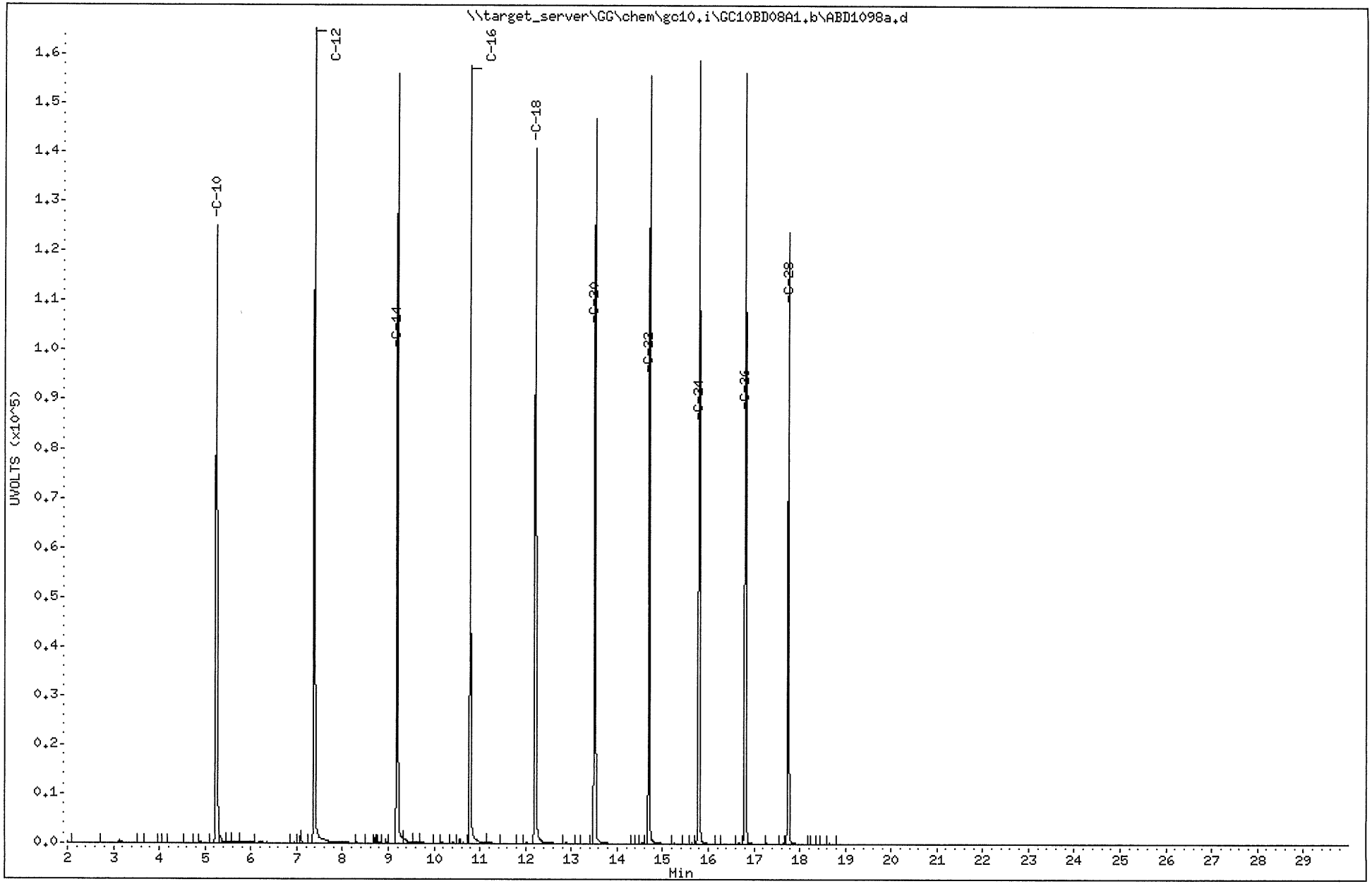
Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00100	Final Volume (L)
Vo	1.000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)
3 C-10	5.244	5.244	0.000	310602	50.0000	48.0
4 C-12	7.386	7.386	0.000	323206	50.0000	49.9
5 C-14	9.197	9.196	0.001	314690	50.0000	48.2
6 C-16	10.787	10.786	0.001	322566	50.0000	49.2
7 C-18	12.217	12.216	0.001	327752	50.0000	49.3
11 C-20	13.516	13.516	0.000	321348	50.0000	47.8
12 C-22	14.704	14.704	0.000	329117	50.0000	49.2
13 C-24	15.798	15.798	0.000	329730	50.0000	49.2
14 C-26	16.812	16.811	0.001	330858	50.0000	50.4
15 C-28	17.755	17.756	-0.001	299311	50.0000	44.5

Data File: \\target_server\GC\chem\gc10.i\GC10BD08A1.b\ABD1098a.d
Date : 08-APR-2008 17:29
Client ID:
Sample Info: tphA021A.M,GC10BD08A1.B,1,PHC IND
Purge Volume: 1.0
Column phase: ZB-1

Instrument: gc10.i

Operator: JLP
Column diameter: 0.53



Katahdin Analytical Services 2000085

FORM 7B
SEMIVOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 426 NLON SDG No.: CTO426-3

Instrument ID: GC10 Calibration Date: 06/20/08 Time: 1353

Lab File ID: ABF3039 Init. Calib. Date(s): 04/08/08 04/08/08

Init. Calib. Times: 1420 1651

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
TPH Peaks C9-C36	720.13000	700.00000	6776.7000	0.01	2.88	20.00	LINR
C-9	53.013000	50.000000	6733.5000	0.01	6.03	20.00	LINR
C-10	55.472000	50.000000	7171.6000	0.01	10.94	20.00	LINR
C-12	52.295000	50.000000	6770.1000	0.01	4.59	20.00	LINR
C-14	52.470000	50.000000	6841.6000	0.01	4.94	20.00	LINR
C-16	51.975000	50.000000	6803.6000	0.01	3.95	20.00	LINR
C-18	50.856000	50.000000	6752.6000	0.01	1.71	20.00	LINR
C-19	51.129000	50.000000	6805.6000	0.01	2.26	20.00	LINR
C-20	51.690000	50.000000	6943.9000	0.01	3.38	20.00	LINR
C-22	51.801000	50.000000	6917.7000	0.01	3.60	20.00	LINR
C-24	51.266000	50.000000	6859.6000	0.01	2.53	20.00	LINR
C-26	51.764000	50.000000	6794.1000	0.01	3.53	20.00	LINR
C-28	51.150000	50.000000	6861.7000	0.01	2.30	20.00	LINR
C-30	49.369000	50.000000	6782.3000	0.01	-1.26	20.00	LINR
C-36	45.878000	50.000000	5836.5000	0.01	-8.24	20.00	LINR
O-Terphenyl	21.147000	20.000000	7762.4000	0.01	5.74	20.00	LINR

FORM VII DRO

Data File: \\Target_server\GG\chem\gc10.i\GC10BF19A1.b\ABF3039.d
Report Date: 30-Jun-2008 08:01

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gc10.i\GC10BF19A1.b\ABF3039.d
Lab Smp Id: PHC 50UG/ML
Inj Date : 20-JUN-2008 13:53
Operator : KGT Inst ID: gc10.i
Smp Info : TPHA021B.M,GC10BF19A1.B,1,PHC 50UG/ML
Misc Info : PHC50
Comment :
Method : \\TARGET_SERVER\GG\chem\gc10.i\GC10BF19A1.B\TPHA021B.m
Meth Date : 27-Jun-2008 16:41 ktanguay Quant Type: ESTD
Cal Date : 08-APR-2008 16:51 Cal File: ABD1097a.d
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: cv.sub
Subtraction File: \\Target_server\GG\chem\gc10.i\GC10BF19A1.b\ABF3037A.d
Target Version: 4.12
Processing Host: TARGET02

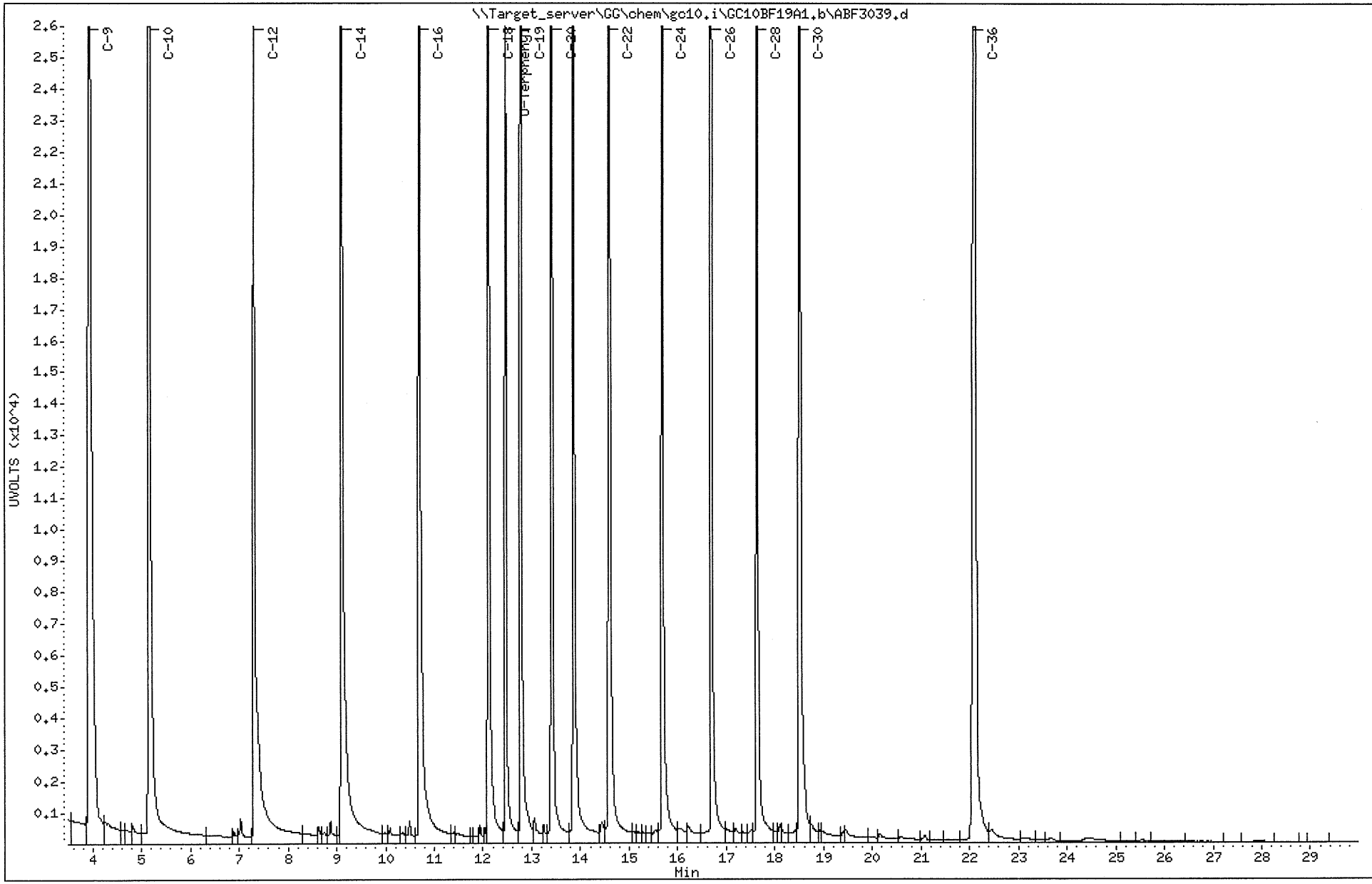
Concentration Formula: Amt * DF * (Vt/Vo)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00100	Final Volume (L)
Vo	1.000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)	REVIEW CODE
M 1 TPH Peaks C9-C36				4743719	700.000	720	
2 C-9	3.936	4.015	-0.079	336674	50.0000	53.0	
3 C-10	5.162	5.244	-0.082	358581	50.0000	55.5	
4 C-12	7.303	7.386	-0.083	338505	50.0000	52.3	
5 C-14	9.106	9.196	-0.090	342082	50.0000	52.5	
6 C-16	10.693	10.732	-0.039	340180	50.0000	52.0	
7 C-18	12.120	12.216	-0.096	337632	50.0000	50.8	
$ 8 O-Terphenyl	12.465	12.559	-0.094	155248	20.0000	21.1	
9 C-19	12.783	12.880	-0.097	340280	50.0000	51.1	
11 C-20	13.414	13.516	-0.102	347196	50.0000	51.7	
12 C-22	14.599	14.704	-0.105	345885	50.0000	51.8	
13 C-24	15.690	15.798	-0.108	342978	50.0000	51.3	
14 C-26	16.700	16.811	-0.111	339703	50.0000	51.8	
15 C-28	17.639	17.756	-0.117	343083	50.0000	51.2	
16 C-30	18.517	18.637	-0.120	339115	50.0000	49.4	
17 C-36	22.104	22.234	-0.130	291825	50.0000	45.9	

Data File: \\Target_server\GG\chem\gc10.i\GC10BF19A1.b\ABF3039.d
Date : 20-JUN-2008 13:53
Client ID:
Sample Info: TPHA021B.M,GC10BF19A1.B,1,PHC 50UG/ML
Purge Volume: 1.0
Column phase: ZB-1

Instrument: gc10.i
Operator: KGT
Column diameter: 0.53



Katahdin Analytical Services 2000088

FORM 7B
SEMIVOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 426 NLON SDG No.: CTO426-3

Instrument ID: GC10 Calibration Date: 06/20/08 Time: 2330

Lab File ID: ABF3052 Init. Calib. Date(s): 04/08/08 04/08/08

Init. Calib. Times: 1420 1651

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
TPH Peaks C9-C36	256.94000	280.00000	6196.1000	0.01	-8.24	20.00	LINR
C-9	19.598000	20.000000	6357.6000	0.01	-2.01	20.00	LINR
C-10	21.310000	20.000000	6987.8000	0.01	6.55	20.00	LINR
C-12	19.407000	20.000000	6303.8000	0.01	-2.96	20.00	LINR
C-14	18.740000	20.000000	6228.4000	0.01	-6.30	20.00	LINR
C-16	18.261000	20.000000	6153.6000	0.01	-8.70	20.00	LINR
C-18	17.787000	20.000000	6076.8000	0.01	-11.06	20.00	LINR
C-19	17.925000	20.000000	6144.0000	0.01	-10.38	20.00	LINR
C-20	18.923000	20.000000	6526.5000	0.01	-5.38	20.00	LINR
C-22	18.126000	20.000000	6231.6000	0.01	-9.37	20.00	LINR
C-24	17.646000	20.000000	6154.5000	0.01	-11.77	20.00	LINR
C-26	17.786000	20.000000	6075.2000	0.01	-11.07	20.00	LINR
C-28	17.591000	20.000000	6111.6000	0.01	-12.04	20.00	LINR
C-30	17.224000	20.000000	6079.5000	0.01	-13.88	20.00	LINR
C-36	16.620000	20.000000	5314.0000	0.01	-16.90	20.00	LINR
O-Terphenyl	7.5016000	8.0000000	7112.5000	0.01	-6.23	20.00	LINR

FORM VII DRO

Data File: \\Target_server\GG\chem\gc10.i\GC10BF19A1.b\ABF3052.d
Report Date: 30-Jun-2008 08:02

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gc10.i\GC10BF19A1.b\ABF3052.d
Lab Smp Id: PHC 20UG/ML
Inj Date : 20-JUN-2008 23:30
Operator : KGT Inst ID: gc10.i
Smp Info : TPHA021B.M,GC10BF19A1.B,1,PHC 20UG/ML
Misc Info : PHC20
Comment :
Method : \\TARGET_SERVER\GG\chem\gc10.i\GC10BF19A1.B\TPHA021B.m
Meth Date : 27-Jun-2008 16:41 ktanguay Quant Type: ESTD
Cal Date : 08-APR-2008 16:51 Cal File: ABD1097a.d
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: cv.sub
Subtraction File: \\Target_server\GG\chem\gc10.i\GC10BF19A1.b\ABF3037A.d
Target Version: 4.12
Processing Host: TARGET02

Concentration Formula: Amt * DF * (Vt/Vo)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00100	Final Volume (L)
Vo	1.000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

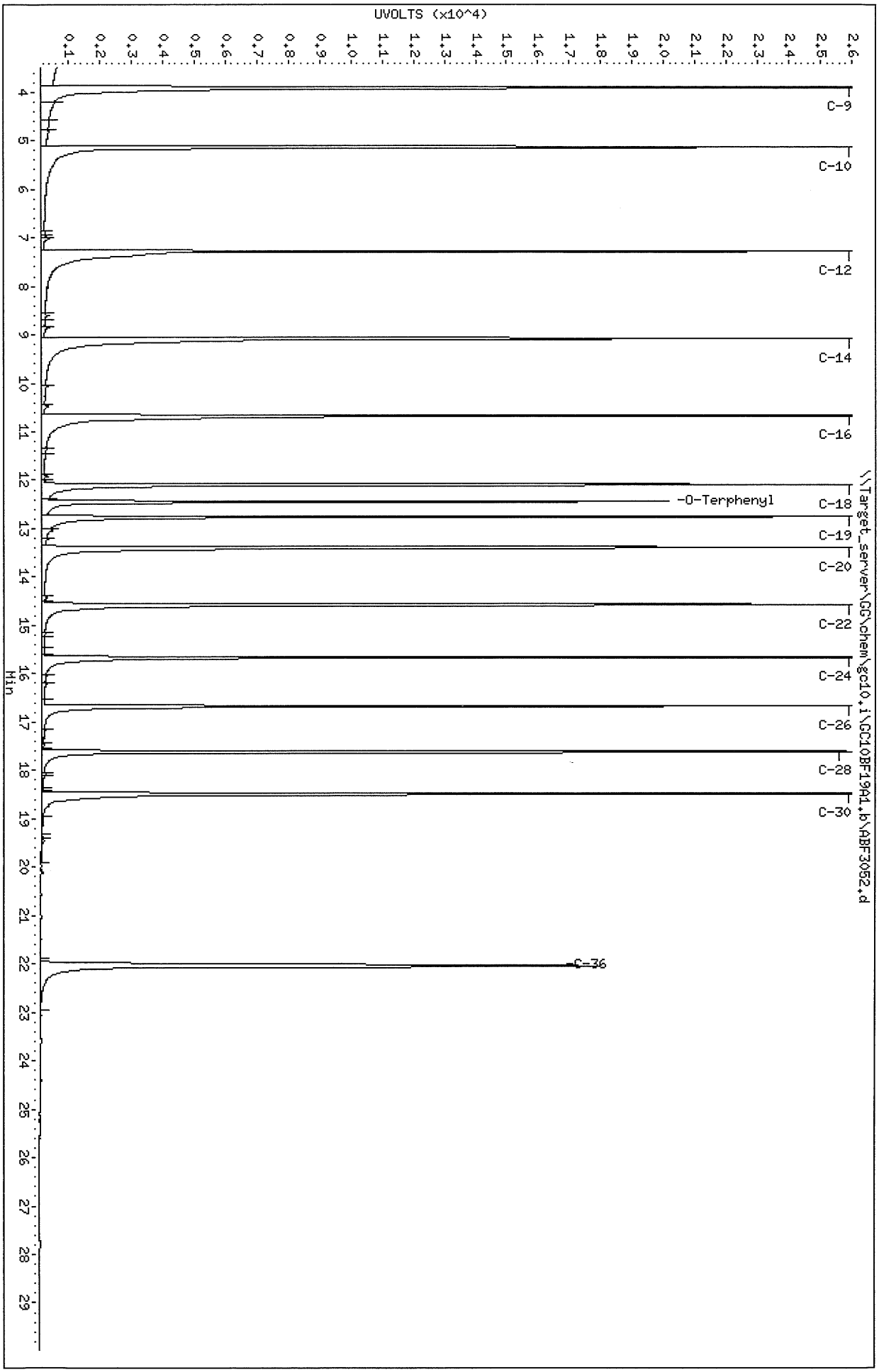
Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)	REVIEW CODE
M 1 TPH Peaks C9-C36				1734900	700.000	257	
2 C-9	3.916	4.015	-0.099	127153	50.0000	19.6(M)	M6
3 C-10	5.143	5.244	-0.101	139755	50.0000	21.3	
4 C-12	7.281	7.386	-0.105	126076	50.0000	19.4	
5 C-14	9.086	9.196	-0.110	124567	50.0000	18.7	063008
6 C-16	10.671	10.732	-0.061	123073	50.0000	18.3	
7 C-18	12.095	12.216	-0.121	121537	50.0000	17.8	
$ 8 O-Terphenyl	12.442	12.559	-0.117	56900	20.0000	7.50	
9 C-19	12.758	12.880	-0.122	122879	50.0000	17.9	
11 C-20	13.389	13.516	-0.127	130530	50.0000	18.9	
12 C-22	14.574	14.704	-0.130	124633	50.0000	18.1	
13 C-24	15.665	15.798	-0.133	123090	50.0000	17.6	
14 C-26	16.672	16.811	-0.139	121504	50.0000	17.8	
15 C-28	17.613	17.756	-0.143	122233	50.0000	17.6	
16 C-30	18.490	18.637	-0.147	121590	50.0000	17.2	
17 C-36	22.037	22.234	-0.197	106280	50.0000	16.6	

QC Flag Legend

M - Compound response manually integrated.

Data File: \\Target_server\GC\chem\gc10.i\GC10BF19A1.b\ABF3052.d
Date : 20-JUN-2008 23:30
Client ID:
Sample Info: TPHA021B,M,GC10BF19A1,B,1,PHC 20UG/ML
Purge Volume: 1.0
Column phase: ZB-1

Instrument: gc10.i
Operator: KCT
Column diameter: 0.53



FORM 7B
SEMIVOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 426 NLON SDG No.: CTO426-3

Instrument ID: GC10 Calibration Date: 06/21/08 Time: 0836

Lab File ID: ABF3066 Init. Calib. Date(s): 04/08/08 04/08/08

Init. Calib. Times: 1420 1651

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
TPH Peaks C9-C36	655.73000	700.00000	6178.4000	0.01	-6.32	20.00	LINR
C-9	49.091000	50.000000	6241.7000	0.01	-1.82	20.00	LINR
C-10	50.882000	50.000000	6583.6000	0.01	1.76	20.00	LINR
C-12	49.026000	50.000000	6347.8000	0.01	-1.95	20.00	LINR
C-14	47.977000	50.000000	6262.1000	0.01	-4.05	20.00	LINR
C-16	47.301000	50.000000	6201.6000	0.01	-5.40	20.00	LINR
C-18	46.178000	50.000000	6141.3000	0.01	-7.64	20.00	LINR
C-19	46.370000	50.000000	6182.5000	0.01	-7.26	20.00	LINR
C-20	46.534000	50.000000	6262.2000	0.01	-6.93	20.00	LINR
C-22	46.434000	50.000000	6212.4000	0.01	-7.13	20.00	LINR
C-24	46.115000	50.000000	6185.7000	0.01	-7.77	20.00	LINR
C-26	46.288000	50.000000	6090.8000	0.01	-7.42	20.00	LINR
C-28	45.736000	50.000000	6149.1000	0.01	-8.53	20.00	LINR
C-30	45.074000	50.000000	6200.9000	0.01	-9.85	20.00	LINR
C-36	42.725000	50.000000	5436.6000	0.01	-14.55	20.00	LINR
O-Terphenyl	18.976000	20.000000	6980.0000	0.01	-5.12	20.00	LINR

FORM VII DRO

Data File: \\Target_server\GG\chem\gc10.i\GC10BF19A1.b\ABF3066.d
Report Date: 30-Jun-2008 08:03

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gc10.i\GC10BF19A1.b\ABF3066.d
Lab Smp Id: PHC 50UG/ML
Inj Date : 21-JUN-2008 08:36
Operator : KGT Inst ID: gc10.i
Smp Info : TPHA021B.M,GC10BF19A1.B,1,PHC 50UG/ML
Misc Info : T
Comment :
Method : \\TARGET_SERVER\GG\chem\gc10.i\GC10BF19A1.B\TPHA021B.m
Meth Date : 27-Jun-2008 16:41 ktanguay Quant Type: ESTD
Cal Date : 08-APR-2008 16:51 Cal File: ABD1097a.d
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: cv.sub
Subtraction File: \\Target_server\GG\chem\gc10.i\GC10BF19A1.b\ABF3065.d
Target Version: 4.12
Processing Host: TARGET02

Concentration Formula: Amt * DF * (Vt/Vo)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00100	Final Volume (L)
Vo	1.000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)	REVIEW CODE
M 1 TPH Peaks C9-C36				4324915	700.000	656	
2 C-9	3.916	4.015	-0.099	312084	50.0000	49.1(M)	
3 C-10	5.143	5.244	-0.101	329182	50.0000	50.9	
4 C-12	7.280	7.386	-0.106	317390	50.0000	49.0	
5 C-14	9.084	9.196	-0.112	313105	50.0000	48.0	
6 C-16	10.671	10.732	-0.061	310082	50.0000	47.3	
7 C-18	12.096	12.216	-0.120	307064	50.0000	46.2	
$ 8 O-Terphenyl	12.440	12.559	-0.119	139601	20.0000	19.0	
9 C-19	12.759	12.880	-0.121	309124	50.0000	46.4	
11 C-20	13.390	13.516	-0.126	313108	50.0000	46.5	
12 C-22	14.574	14.704	-0.130	310618	50.0000	46.4	
13 C-24	15.665	15.798	-0.133	309287	50.0000	46.1	
14 C-26	16.675	16.811	-0.136	304540	50.0000	46.3	
15 C-28	17.613	17.756	-0.143	307455	50.0000	45.7	
16 C-30	18.492	18.637	-0.145	310046	50.0000	45.1	
17 C-36	22.043	22.234	-0.191	271830	50.0000	42.7(M)	

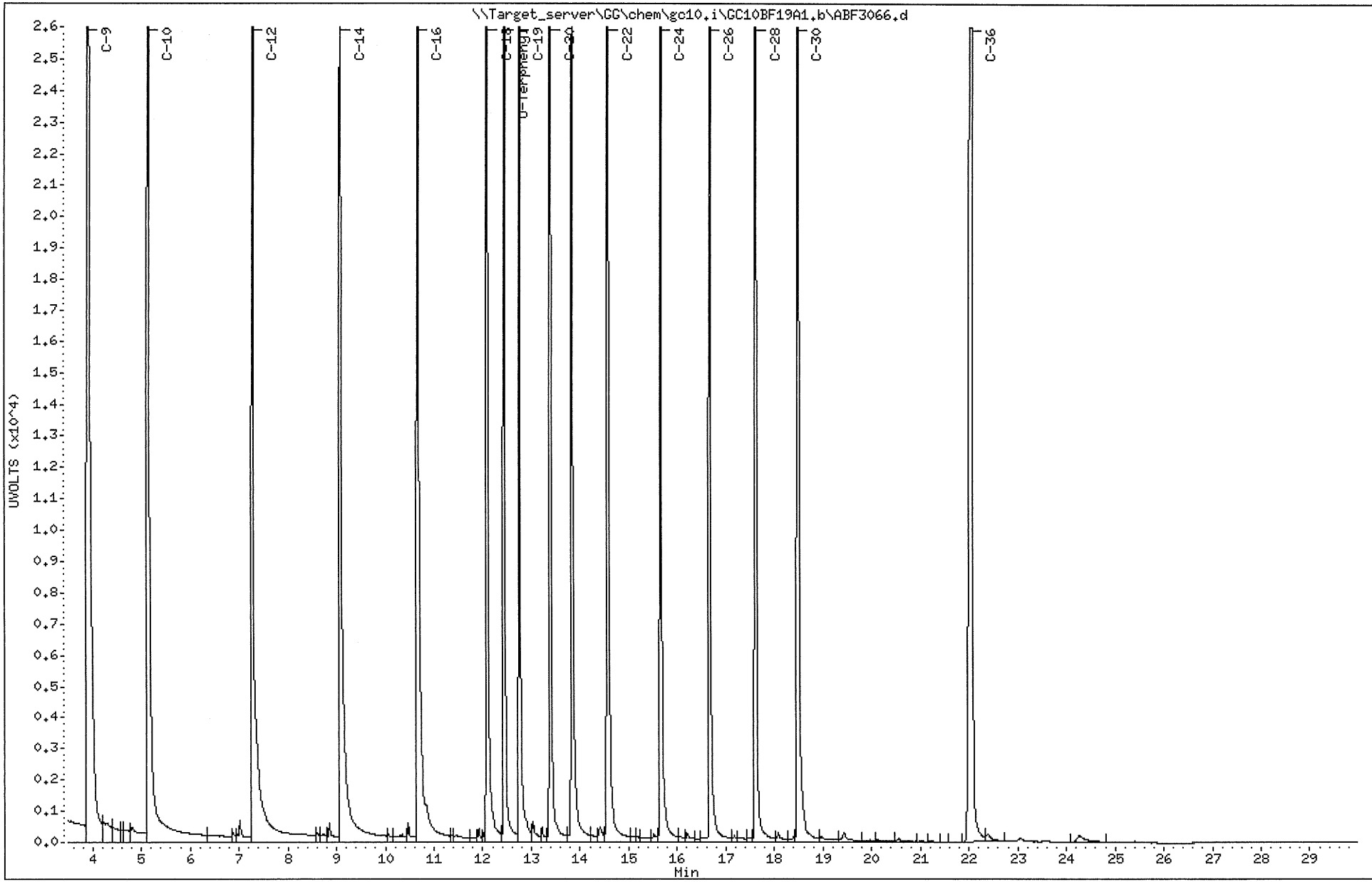
MG
CR
063008

QC Flag Legend

M - Compound response manually integrated.

Data File: \\Target_server\GC\chem\gc10.i\GC10BF19A1.b\ABF3066.d
Date : 21-JUN-2008 08:36
Client ID:
Sample Info: TPHA021B.M,GC10BF19A1.B,1,PHC 50UG/ML
Purge Volume: 1.0
Column phase: ZB-1

Instrument: gc10.i
Operator: KGT
Column diameter: 0.53



Katahdin Analytical Services 2000094

FORM 7B
SEMIVOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 426 NLON SDG No.: CTO426-3

Instrument ID: GC10 Calibration Date: 06/21/08 Time: 1230

Lab File ID: ABF3072 Init. Calib. Date(s): 04/08/08 04/08/08

Init. Calib. Times: 1420 1651

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
TPH Peaks C9-C36	262.66000	280.00000	6326.9000	0.01	-6.19	20.00	LINR
C-9	22.028000	20.000000	7119.6000	0.01	10.14	20.00	LINR
C-10	21.689000	20.000000	7109.4000	0.01	8.44	20.00	LINR
C-12	19.497000	20.000000	6332.6000	0.01	-2.52	20.00	LINR
C-14	19.012000	20.000000	6316.0000	0.01	-4.94	20.00	LINR
C-16	18.483000	20.000000	6225.2000	0.01	-7.58	20.00	LINR
C-18	18.015000	20.000000	6151.5000	0.01	-9.92	20.00	LINR
C-19	18.188000	20.000000	6230.2000	0.01	-9.06	20.00	LINR
C-20	18.729000	20.000000	6462.5000	0.01	-6.36	20.00	LINR
C-22	18.319000	20.000000	6295.2000	0.01	-8.40	20.00	LINR
C-24	18.074000	20.000000	6294.5000	0.01	-9.63	20.00	LINR
C-26	17.964000	20.000000	6132.3000	0.01	-10.18	20.00	LINR
C-28	17.935000	20.000000	6224.9000	0.01	-10.32	20.00	LINR
C-30	17.629000	20.000000	6216.6000	0.01	-11.86	20.00	LINR
C-36	17.100000	20.000000	5466.4000	0.01	-14.50	20.00	LINR
O-Terphenyl	7.5696000	8.0000000	7173.8000	0.01	-5.38	20.00	LINR

FORM VII DRO

Data File: \\Target_server\GG\chem\gc10.i\GC10BF19A1.b\ABF3072.d
Report Date: 30-Jun-2008 08:03

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gc10.i\GC10BF19A1.b\ABF3072.d
Lab Smp Id: PHC 20UG/ML
Inj Date : 21-JUN-2008 12:30
Operator : KGT Inst ID: gc10.i
Smp Info : TPHA021B.M,GC10BF19A1.B,1,PHC 20UG/ML
Misc Info : T
Comment :
Method : \\TARGET_SERVER\GG\chem\gc10.i\GC10BF19A1.B\TPHA021B.m
Meth Date : 27-Jun-2008 16:41 ktanguay Quant Type: ESTD
Cal Date : 08-APR-2008 16:51 Cal File: ABD1097a.d
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: cv.sub
Subtraction File: \\Target_server\GG\chem\gc10.i\GC10BF19A1.b\ABF3065.d
Target Version: 4.12
Processing Host: TARGET02

Concentration Formula: Amt * DF * (Vt/Vo)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00100	Final Volume (L)
Vo	1.000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)	REVIEW CODE
M 1 TPH Peaks C9-C36				1771540	700.000	263	
2 C-9	3.919	4.015	-0.096	142393	50.0000	22.0(M)	M6
3 C-10	5.145	5.244	-0.099	142187	50.0000	21.7	
4 C-12	7.283	7.386	-0.103	126653	50.0000	19.5	
5 C-14	9.090	9.196	-0.106	126321	50.0000	19.0	
6 C-16	10.675	10.732	-0.057	124503	50.0000	18.5	
7 C-18	12.097	12.216	-0.119	123030	50.0000	18.0	
$ 8 O-Terphenyl	12.445	12.559	-0.114	57390	20.0000	7.57	
9 C-19	12.760	12.880	-0.120	124605	50.0000	18.2	
11 C-20	13.391	13.516	-0.125	129250	50.0000	18.7	
12 C-22	14.575	14.704	-0.129	125905	50.0000	18.3	
13 C-24	15.667	15.798	-0.131	125890	50.0000	18.1	
14 C-26	16.677	16.811	-0.134	122646	50.0000	18.0	
15 C-28	17.615	17.756	-0.141	124498	50.0000	17.9	
16 C-30	18.493	18.637	-0.144	124331	50.0000	17.6	
17 C-36	22.044	22.234	-0.190	109328	50.0000	17.1	

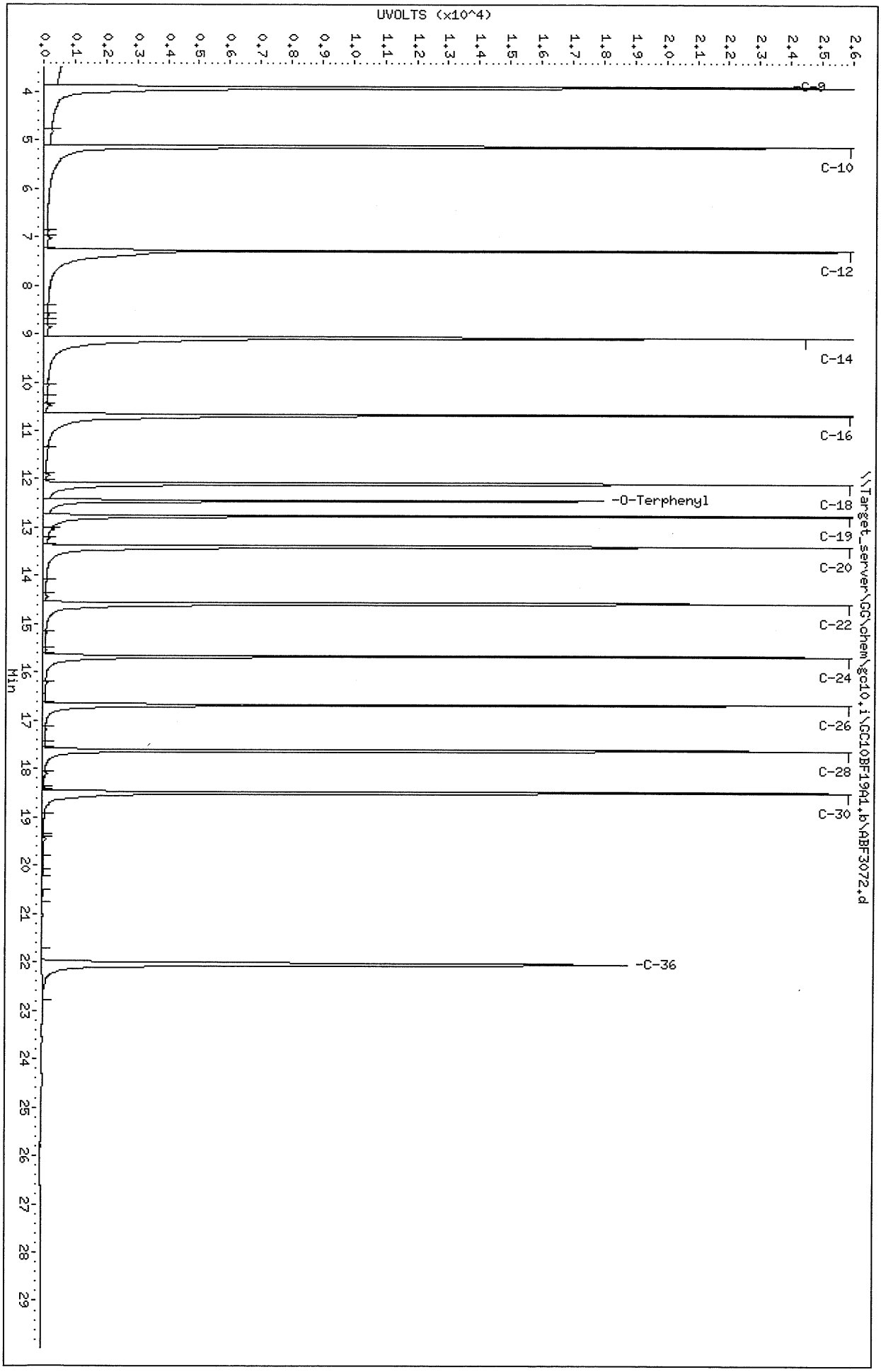
KGT 063008

QC Flag Legend

M - Compound response manually integrated.

Data File: \\Target_server\GC\chem\gc10,i\GC10BF19A1,b\ABF3072,d
Date : 21-JUN-2008 12:30
Client ID:
Sample Info: TPHA021B,M,GC10BF19A1,B,1,PHC 20UG/ML
Purge Volume: 1.0
Column phase: ZB-1

Instrument: gc10,i
Operator: KGT
Column diameter: 0.53



FORM 7B
SEMIVOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 426 NLON SDG No.: CTO426-3

Instrument ID: GC10 Calibration Date: 06/23/08 Time: 1550

Lab File ID: ABF3078 Init. Calib. Date(s): 04/08/08 04/08/08

Init. Calib. Times: 1420 1651

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
TPH Peaks C9-C36	601.57000	700.00000	5675.5000	0.01	-14.06	20.00	LINR
C-9	44.883000	50.000000	5714.0000	0.01	-10.23	20.00	LINR
C-10	46.102000	50.000000	5971.3000	0.01	-7.80	20.00	LINR
C-12	43.662000	50.000000	5654.9000	0.01	-12.68	20.00	LINR
C-14	44.099000	50.000000	5762.0000	0.01	-11.80	20.00	LINR
C-16	43.452000	50.000000	5705.9000	0.01	-13.10	20.00	LINR
C-18	42.196000	50.000000	5620.9000	0.01	-15.61	20.00	LINR
C-19	42.280000	50.000000	5646.9000	0.01	-15.44	20.00	LINR
C-20	42.447000	50.000000	5721.6000	0.01	-15.11	20.00	LINR
C-22	42.663000	50.000000	5716.9000	0.01	-14.67	20.00	LINR
C-24	42.413000	50.000000	5701.6000	0.01	-15.17	20.00	LINR
C-26	42.759000	50.000000	5637.6000	0.01	-14.48	20.00	LINR
C-28	42.008000	50.000000	5658.3000	0.01	-15.98	20.00	LINR
C-30	41.125000	50.000000	5666.5000	0.01	-17.75	20.00	LINR
C-36	41.476000	50.000000	5278.3000	0.01	-17.05	20.00	LINR
O-Terphenyl	17.415000	20.000000	6417.6000	0.01	-12.92	20.00	LINR

FORM VII DRO

Data File: \\Target_server\GG\chem\gc10.i\GC10BF23A1.b\ABF3078.d
Report Date: 30-Jun-2008 08:01

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gc10.i\GC10BF23A1.b\ABF3078.d
Lab Smp Id: PHC 50UG/ML
Inj Date : 23-JUN-2008 15:50
Operator : KGT Inst ID: gc10.i
Smp Info : TPHA021B.M,GC10BF23A1.B,1,PHC 50UG/ML
Misc Info : PHC50
Comment :
Method : \\TARGET_SERVER\GG\chem\gc10.i\GC10BF23A1.B\TPHA021B.m
Meth Date : 24-Jun-2008 11:24 ktanguay Quant Type: ESTD
Cal Date : 08-APR-2008 16:51 Cal File: ABD1097a.d
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: cv.sub
Subtraction File: \\Target_server\GG\chem\gc10.i\GC10BF23A1.b\ABF3077.d
Target Version: 4.12
Processing Host: TARGET02

Concentration Formula: Amt * DF * (Vt/Vo)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00100	Final Volume (L)
Vo	1.000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)	REVIEW CODE
M 1 TPH Peaks C9-C36				3972840	700.000	602	
2 C-9	3.931	4.015	-0.084	285702	50.0000	44.9(M)	
3 C-10	5.158	5.244	-0.086	298563	50.0000	46.1	
4 C-12	7.295	7.386	-0.091	282744	50.0000	43.7	
5 C-14	9.102	9.196	-0.094	288101	50.0000	44.1	
6 C-16	10.689	10.732	-0.043	285297	50.0000	43.4	
7 C-18	12.113	12.216	-0.103	281043	50.0000	42.2	
$ 8 O-Terphenyl	12.455	12.559	-0.104	128352	20.0000	17.4	
9 C-19	12.774	12.880	-0.106	282346	50.0000	42.3	
11 C-20	13.408	13.516	-0.108	286082	50.0000	42.4	
12 C-22	14.591	14.704	-0.113	285847	50.0000	42.7	
13 C-24	15.682	15.798	-0.116	285079	50.0000	42.4	
14 C-26	16.692	16.811	-0.119	281879	50.0000	42.8	
15 C-28	17.634	17.756	-0.122	282917	50.0000	42.0	
16 C-30	18.511	18.637	-0.126	283327	50.0000	41.1(M)	
17 C-36	22.091	22.234	-0.143	263913	50.0000	41.5	

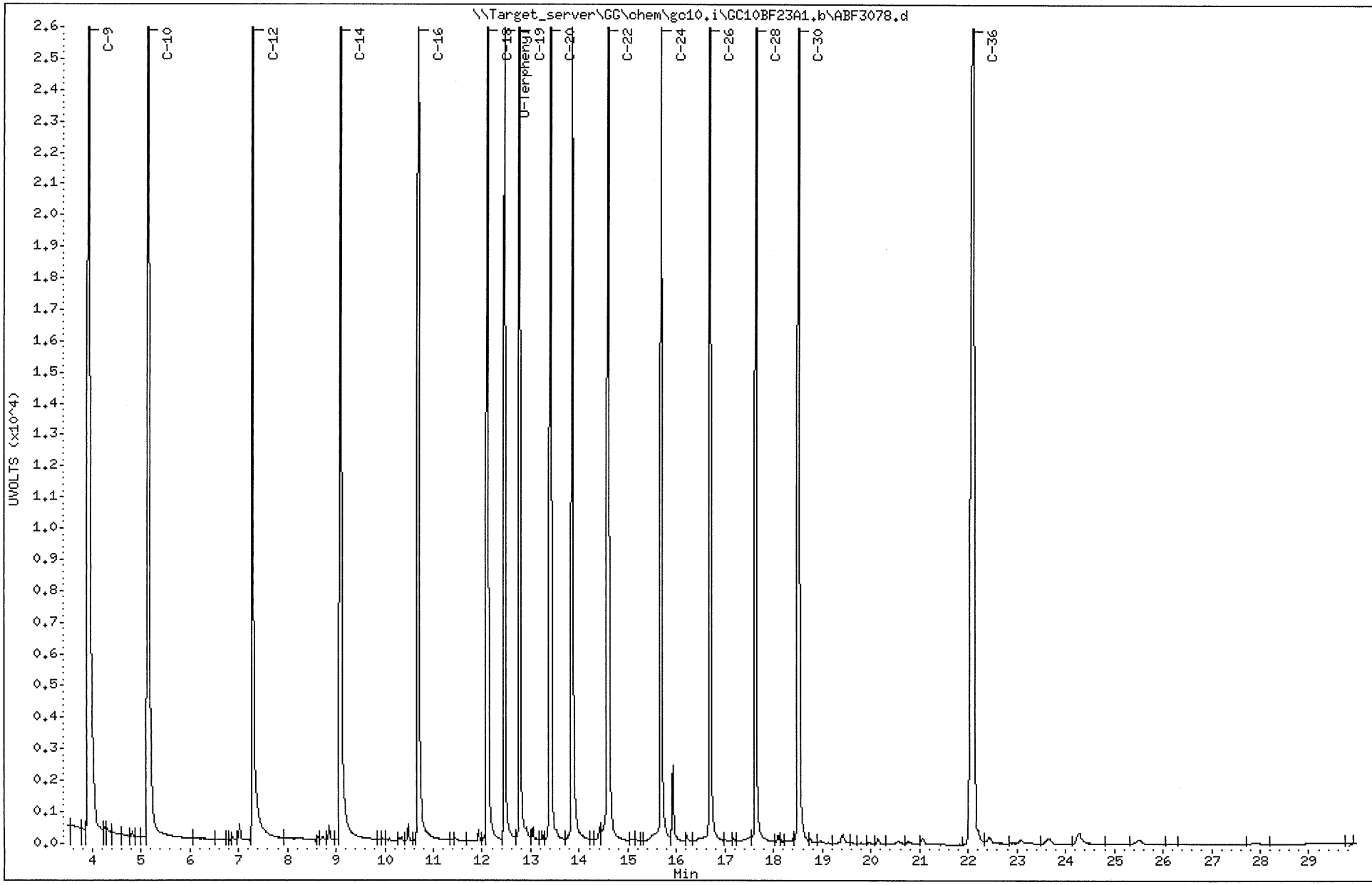
KT
M50630008

QC Flag Legend

M - Compound response manually integrated.

Data File: \\Target_server\GG\chem\gc10.i\GC10BF23A1.b\ABF3078.d
Date : 23-JUN-2008 15:50
Client ID:
Sample Info: TPHA021B.M,GC10BF23A1.B,1,PHC 50UG/ML
Purge Volume: 1.0
Column phase: ZB-1

Instrument: gc10.i
Operator: KGT
Column diameter: 0.53



Katahdin Analytical Services 2000100

FORM 7B
SEMIVOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 426 NLON SDG No.: CTO426-3

Instrument ID: GC10 Calibration Date: 06/24/08 Time: 0125

Lab File ID: ABF3090 Init. Calib. Date(s): 04/08/08 04/08/08

Init. Calib. Times: 1420 1651

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	
TPH Peaks C9-C36	219.19000	280.00000	5321.1000	0.01	-21.72	20.00	LINR	<-
C-9	18.688000	20.000000	6072.6000	0.01	-6.56	20.00	LINR	
C-10	18.626000	20.000000	6128.2000	0.01	-6.87	20.00	LINR	
C-12	16.636000	20.000000	5408.6000	0.01	-16.82	20.00	LINR	
C-14	16.302000	20.000000	5442.2000	0.01	-18.49	20.00	LINR	
C-16	15.767000	20.000000	5350.6000	0.01	-21.16	20.00	LINR	<-
C-18	15.449000	20.000000	5313.2000	0.01	-22.76	20.00	LINR	<-
C-19	15.586000	20.000000	5378.4000	0.01	-22.07	20.00	LINR	<-
C-20	16.182000	20.000000	5620.3000	0.01	-19.09	20.00	LINR	
C-22	15.601000	20.000000	5402.2000	0.01	-22.00	20.00	LINR	<-
C-24	15.103000	20.000000	5322.9000	0.01	-24.48	20.00	LINR	<-
C-26	15.111000	20.000000	5216.3000	0.01	-24.44	20.00	LINR	<-
C-28	15.130000	20.000000	5301.7000	0.01	-24.35	20.00	LINR	<-
C-30	14.711000	20.000000	5229.0000	0.01	-26.44	20.00	LINR	<-
C-36	10.297000	20.000000	3309.1000	0.01	-48.52	20.00	LINR	<-
O-Terphenyl	6.4737000	8.0000000	6186.5000	0.01	-19.08	20.00	LINR	

FORM VII DRO

Data File: \\Target_server\GG\chem\gc10.i\GC10BF23A1.b\ABF3090.d
Report Date: 30-Jun-2008 08:01

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gc10.i\GC10BF23A1.b\ABF3090.d
Lab Smp Id: PHC 20UG/ML
Inj Date : 24-JUN-2008 01:25
Operator : KGT Inst ID: gc10.i
Smp Info : TPHA021B.M,GC10BF23A1.B,1,PHC 20UG/ML
Misc Info : PHC20
Comment :
Method : \\TARGET_SERVER\GG\chem\gc10.i\GC10BF23A1.B\TPHA021B.m
Meth Date : 24-Jun-2008 11:24 ktanguay Quant Type: ESTD
Cal Date : 08-APR-2008 16:51 Cal File: ABD1097a.d
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: cv.sub
Subtraction File: \\Target_server\GG\chem\gc10.i\GC10BF23A1.b\ABF3089.d
Target Version: 4.12
Processing Host: TARGET02

Concentration Formula: Amt * DF * (Vt/Vo)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00100	Final Volume (L)
Vo	1.000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)	REVIEW CODE
M 1 TPH Peaks C9-C36				1489907	700.000	219	
2 C-9	3.919	4.015	-0.096	121451	50.0000	18.7(M)	
3 C-10	5.146	5.244	-0.098	122565	50.0000	18.6	
4 C-12	7.284	7.386	-0.102	108173	50.0000	16.6	
5 C-14	9.090	9.196	-0.106	108843	50.0000	16.3	
6 C-16	10.675	10.732	-0.057	107011	50.0000	15.8	
7 C-18	12.096	12.216	-0.120	106264	50.0000	15.4	
$ 8 O-Terphenyl	12.446	12.559	-0.113	49492	20.0000	6.47	
9 C-19	12.760	12.880	-0.120	107569	50.0000	15.6	
11 C-20	13.391	13.516	-0.125	112406	50.0000	16.2	
12 C-22	14.575	14.704	-0.129	108045	50.0000	15.6	
13 C-24	15.666	15.798	-0.132	106458	50.0000	15.1	
14 C-26	16.676	16.811	-0.135	104326	50.0000	15.1	
15 C-28	17.614	17.756	-0.142	106034	50.0000	15.1	
16 C-30	18.492	18.637	-0.145	104580	50.0000	14.7	
17 C-36	22.040	22.234	-0.194	66182	50.0000	10.3(M)	

M5

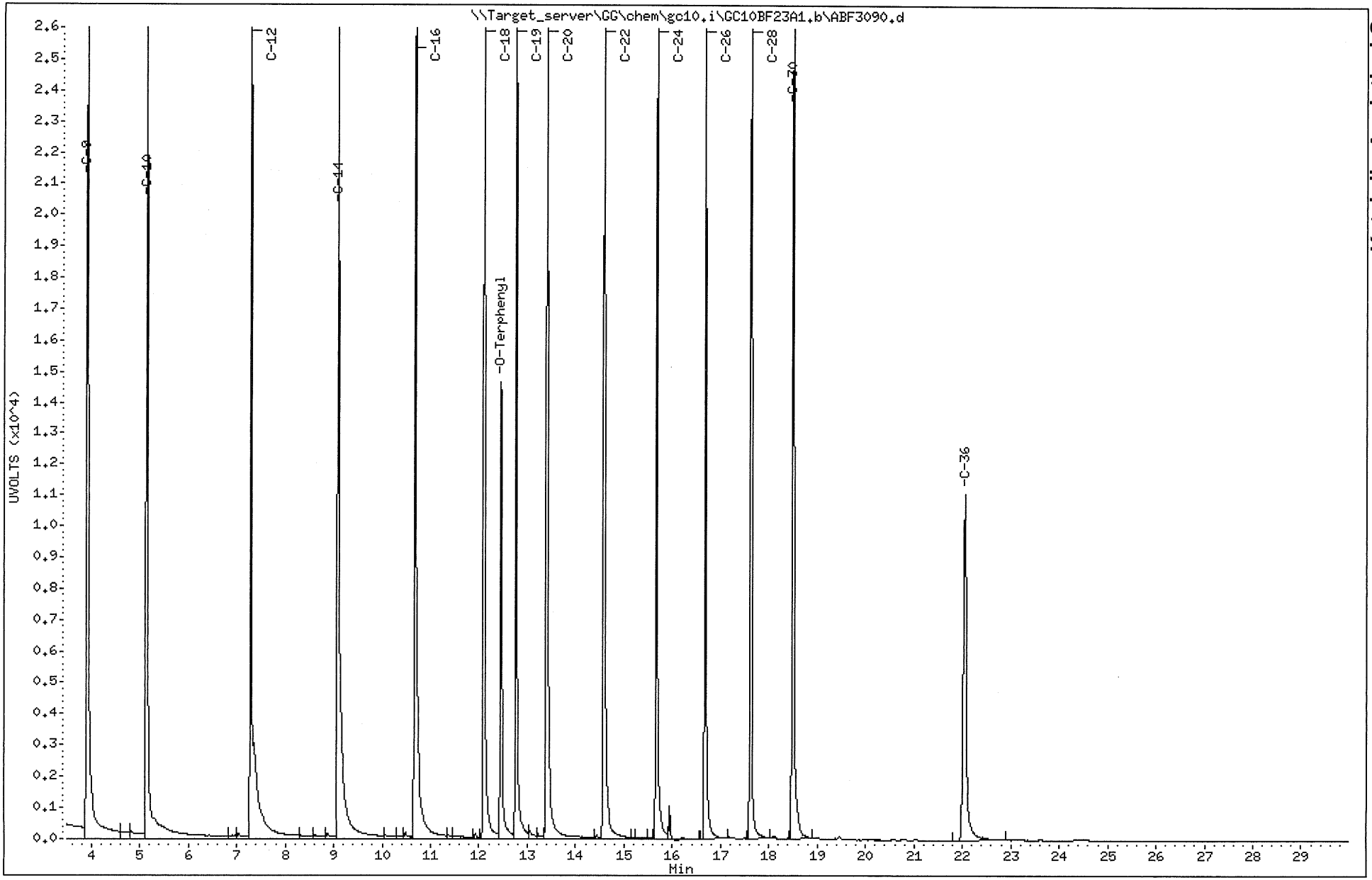
063008

QC Flag Legend

M - Compound response manually integrated.

Data File: \\Target_server\GG\chem\gc10.i\GC10BF23A1.b\ABF3090.d
Date : 24-JUN-2008 01:25
Client ID:
Sample Info: TPHA021B.M,GC10BF23A1.B,1,PHC 20UG/ML
Purge Volume: 1.0
Column phase: ZB-1

Instrument: gc10.i
Operator: KGT
Column diameter: 0.53



Katahdin Analytical Services 2000103

Raw QC Data Section

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client:
Project: CTO 426 NLON
PO No:
Sample Date:
Received Date:
Extraction Date: 06/13/08
Analysis Date: 20-JUN-2008 15:46
Report Date: 06/30/2008
Matrix: WATER
% Solids: NA

Lab ID: WG52475-1
Client ID: WG52475-Blank
SDG: CTO426-3
Extracted by: KF
Extraction Method: SW846 3510
Analyst: KGT
Analysis Method: SW846 M8015B
Lab Prep Batch: WG52475
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
	Extractable TPH C9-C36	U	75	1.0	75	75	45
	O-Terphenyl		78%				

Data File: \\Target_server\GG\chem\gc10.i\GC10BF19A1.b\ABF3040.d
Report Date: 30-Jun-2008 08:01

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gc10.i\GC10BF19A1.b\ABF3040.d
Lab Smp Id: WG52475-1 Client Smp ID: WG52475-Blank
Inj Date : 20-JUN-2008 15:46
Operator : KGT Inst ID: gc10.i
Smp Info : TPHA021B.M,GC10BF19A1.B,1,WG52475-1
Misc Info : SW846 M8015B
Comment :
Method : \\TARGET_SERVER\GG\chem\gc10.i\GC10BF19A1.B\TPHA021B.m
Meth Date : 27-Jun-2008 16:41 ktanguay Quant Type: ESTD
Cal Date : 08-APR-2008 16:51 Cal File: ABD1097a.d
Als bottle: 1 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: SW8015M-TPH.sub
Subtraction File: \\Target_server\GG\chem\gc10.i\GC10BF19A1.b\ABF3037A.d
Target Version: 4.12
Processing Host: TARGET02

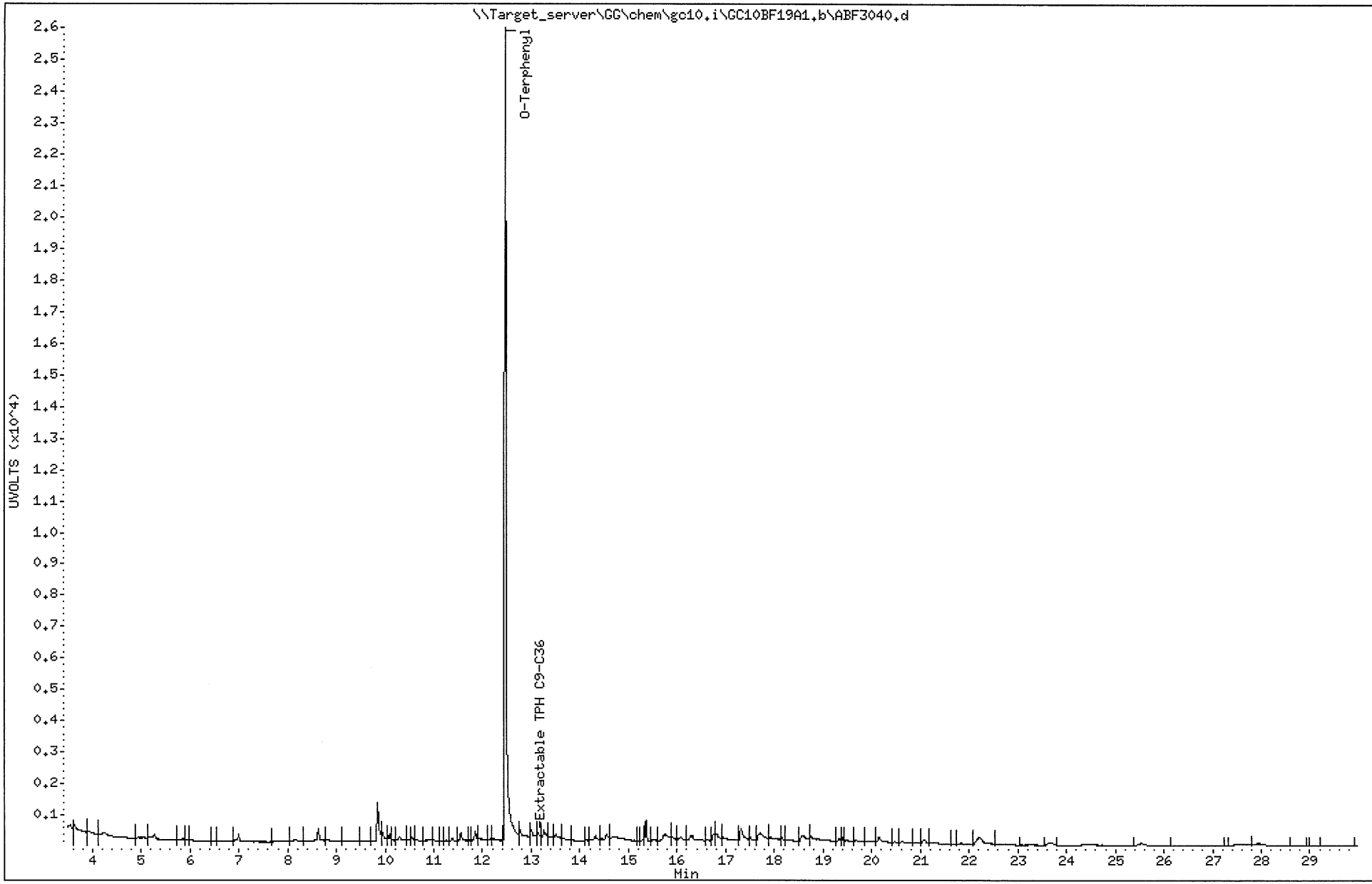
Concentration Formula: Amt * DF * (Vt/Vo)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00100	Final Volume (L)
Vo	1.000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/L)	REVIEW CODE
$ 8 O-Terphenyl	12.463	12.559	-0.096	115311	15.6059	15.6	

Data File: \\Target_server\GC\chem\gc10.i\GC10BF19A1.b\ABF3040.d
Date : 20-JUN-2008 15:46
Client ID: WG52475-Blank
Sample Info: TPHA021B.M,GC10BF19A1.B,1,WG52475-1
Purge Volume: 1.0
Column phase: ZB-1

Instrument: gc10.i
Operator: KGT
Column diameter: 0.53



Katahdin Analytical Services 2000107

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client:
Project: CTO 426 NLON
PO No:
Sample Date:
Received Date:
Extraction Date: 06/17/08
Analysis Date: 23-JUN-2008 20:18
Report Date: 06/30/2008
Matrix: WATER
% Solids: NA

Lab ID: WG52594-1
Client ID: WG52594-Blank
SDG: CTO426-3
Extracted by: KF
Extraction Method: SW846 3510
Analyst: KGT
Analysis Method: SW846 M8015B
Lab Prep Batch: WG52594
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
	Extractable TPH C9-C36	U	75	1.0	75	75	45
	O-Terphenyl		65%				

Data File: \\Target_server\GG\chem\gc10.i\GC10BF23A1.b\ABF3082.d
Report Date: 30-Jun-2008 08:01

Katahdin Analytical Services

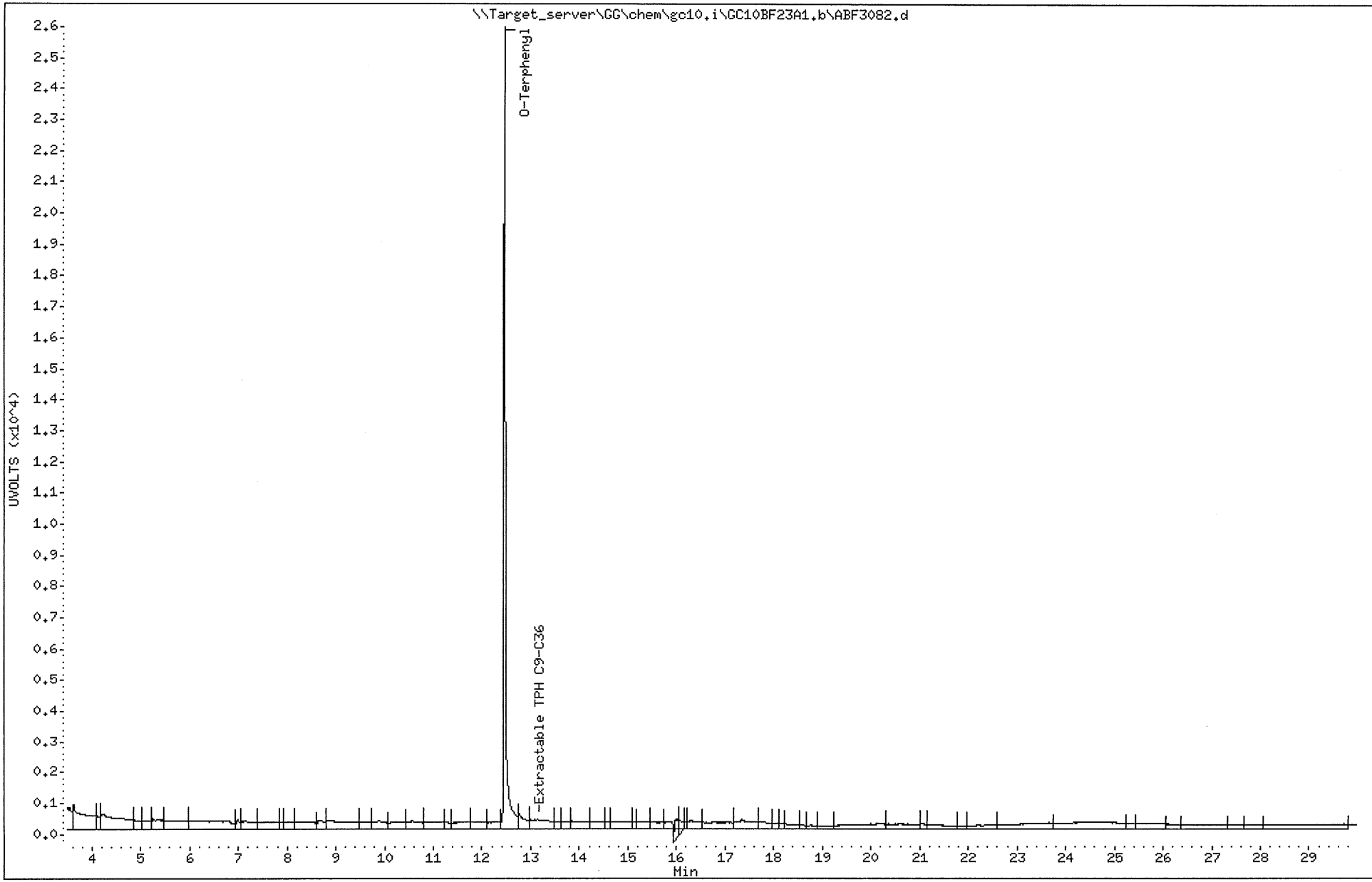
Data file : \\Target_server\GG\chem\gc10.i\GC10BF23A1.b\ABF3082.d
Lab Smp Id: WG52594-1 Client Smp ID: WG52594-Blank
Inj Date : 23-JUN-2008 20:18
Operator : KGT Inst ID: gc10.i
Smp Info : TPHA021B.M,GC10BF23A1.B,1,WG52594-1
Misc Info : SW846 M8015B
Comment :
Method : \\TARGET_SERVER\GG\chem\gc10.i\GC10BF23A1.B\TPHA021B.m
Meth Date : 24-Jun-2008 11:24 ktanguay Quant Type: ESTD
Cal Date : 08-APR-2008 16:51 Cal File: ABD1097a.d
Als bottle: 1 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: SW8015M-TPH.sub
Subtraction File: \\Target_server\GG\chem\gc10.i\GC10BF23A1.b\ABF3077.d
Target Version: 4.12
Processing Host: TARGET02

Concentration Formula: Amt * DF * (Vt/Vo)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00100	Final Volume (L)
Vo	1.000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/L)	REVIEW CODE
$ 8 O-Terphenyl	12.454	12.559	-0.105	96154	12.9479	12.9	

Data File: \\Target_server\GG\chem\gc10.i\GC10BF23A1.b\ABF3082.d
Date : 23-JUN-2008 20:18
Client ID: WG52594-Blank
Instrument: gc10.i
Sample Info: TPHA021B.M,GC10BF23A1.B,1,WG52594-1
Purge Volume: 1.0
Operator: KGT
Column phase: ZB-1
Column diameter: 0.53



Katahdin Analytical Services 2000110

KATAHDIN ANALYTICAL SERVICES
LAB CONTROL SAMPLE

Client:
Project: CTO 426 NLON
PO No:
Sample Date:
Received Date:
Extraction Date: 06/13/08
Analysis Date: 06/20/08
Report Date: 06/30/2008
Matrix: WATER

Lab ID: WG52475-2
Client ID: WG52475-LCS
SDG: CTO426-3
Extracted by: KF
Extraction Method: SW846 3510
Analyst: KGT
Analysis Method: SW846 M8015B
Lab Prep Batch: WG52475
Units: ug/L

COMPOUND	LCS SPIKE	SAMPLE CONC.	LCS CONC.	%REC.	QC. LIMITS
Extractable TPH C9-C36	500	NA	407	81	33-135

Data File: \\Target_server\GG\chem\gc10.i\GC10BF19A1.b\ABF3041.d
Report Date: 30-Jun-2008 08:01

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gc10.i\GC10BF19A1.b\ABF3041.d
Lab Smp Id: WG52475-2 Client Smp ID: WG52475-LCS
Inj Date : 20-JUN-2008 16:24
Operator : KGT Inst ID: gc10.i
Smp Info : TPHA021B.M,GC10BF19A1.B,1,WG52475-2
Misc Info : SW846 M8015B
Comment :
Method : \\TARGET_SERVER\GG\chem\gc10.i\GC10BF19A1.B\TPHA021B.m
Meth Date : 27-Jun-2008 16:41 ktanguay Quant Type: ESTD
Cal Date : 08-APR-2008 16:51 Cal File: ABD1097a.d
Als bottle: 1 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: SW8015M-TPH.sub
Subtraction File: \\Target_server\GG\chem\gc10.i\GC10BF19A1.b\ABF3037A.d
Target Version: 4.12
Processing Host: TARGET02

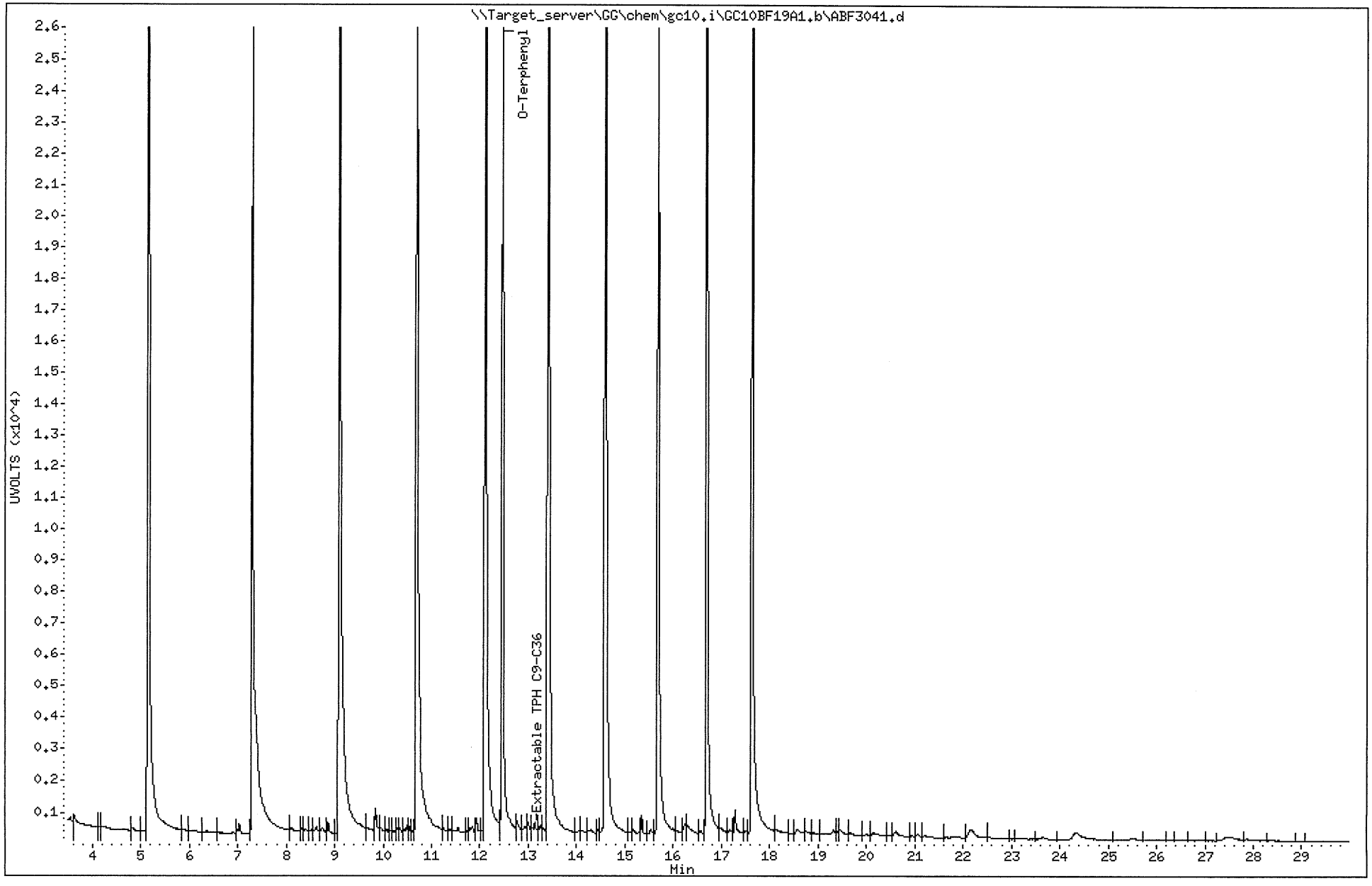
Concentration Formula: Amt * DF * (Vt/Vo)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00100	Final Volume (L)
Vo	1.000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/L)	REVIEW CODE
$ 8 O-Terphenyl	12.456	12.559	-0.103	132258	17.9573	18.0	
S 10 Extractable TPH C9-C36	3.916	-22.493		2708099	406.650	407	

Data File: \\Target_server\GG\chem\gc10.i\GC10BF19A1.b\ABF3041.d
Date : 20-JUN-2008 16:24
Client ID: WG52475-LCS
Sample Info: TPHA021B.M,GC10BF19A1.B,1,WG52475-2
Purge Volume: 1.0
Column phase: ZB-1

Instrument: gc10.i
Operator: KGT
Column diameter: 0.53



Katahdin Analytical Services 2000113

KATAHDIN ANALYTICAL SERVICES
LAB CONTROL SAMPLE

Client:
Project: CTO 426 NLON
PO No:
Sample Date:
Received Date:
Extraction Date: 06/17/08
Analysis Date: 06/23/08
Report Date: 06/30/2008
Matrix: WATER

Lab ID: WG52594-2 & WG52594-3
Client ID: WG52594-LCS & WG52594-LCSD
SDG: CTO426-3
Extracted by: KF
Extraction Method: SW846 3510
Analyst: KGT
Analysis Method: SW846 M8015B
Lab Prep Batch: WG52594
Units: ug/L

COMPOUND	LCS SPIKE	LCSD SPIKE	SAMPLE CONC.	LCS CONC.	LCSD CONC.	LCS %REC.	LCSD %REC.	%RPD	%RPD LIMIT	QC. LIMITS
Extractable TPH C9-C36	500	500	NA	328	341	66	68	4	20	33-135

FORM III DRO-1

ABF3083.d & ABF3084.d

Data File: \\Target_server\GG\chem\gc10.i\GC10BF23A1.b\ABF3083.d
Report Date: 30-Jun-2008 08:01

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gc10.i\GC10BF23A1.b\ABF3083.d
Lab Smp Id: WG52594-2 Client Smp ID: WG52594-LCS
Inj Date : 23-JUN-2008 20:56
Operator : KGT Inst ID: gc10.i
Smp Info : TPHA021B.M,GC10BF23A1.B,1,WG52594-2
Misc Info : SW846 M8015B
Comment :
Method : \\TARGET_SERVER\GG\chem\gc10.i\GC10BF23A1.B\TPHA021B.m
Meth Date : 24-Jun-2008 11:24 ktanguay Quant Type: ESTD
Cal Date : 08-APR-2008 16:51 Cal File: ABD1097a.d
Als bottle: 1 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: SW8015M-TPH.sub
Subtraction File: \\Target_server\GG\chem\gc10.i\GC10BF23A1.b\ABF3077.d
Target Version: 4.12
Processing Host: TARGET02

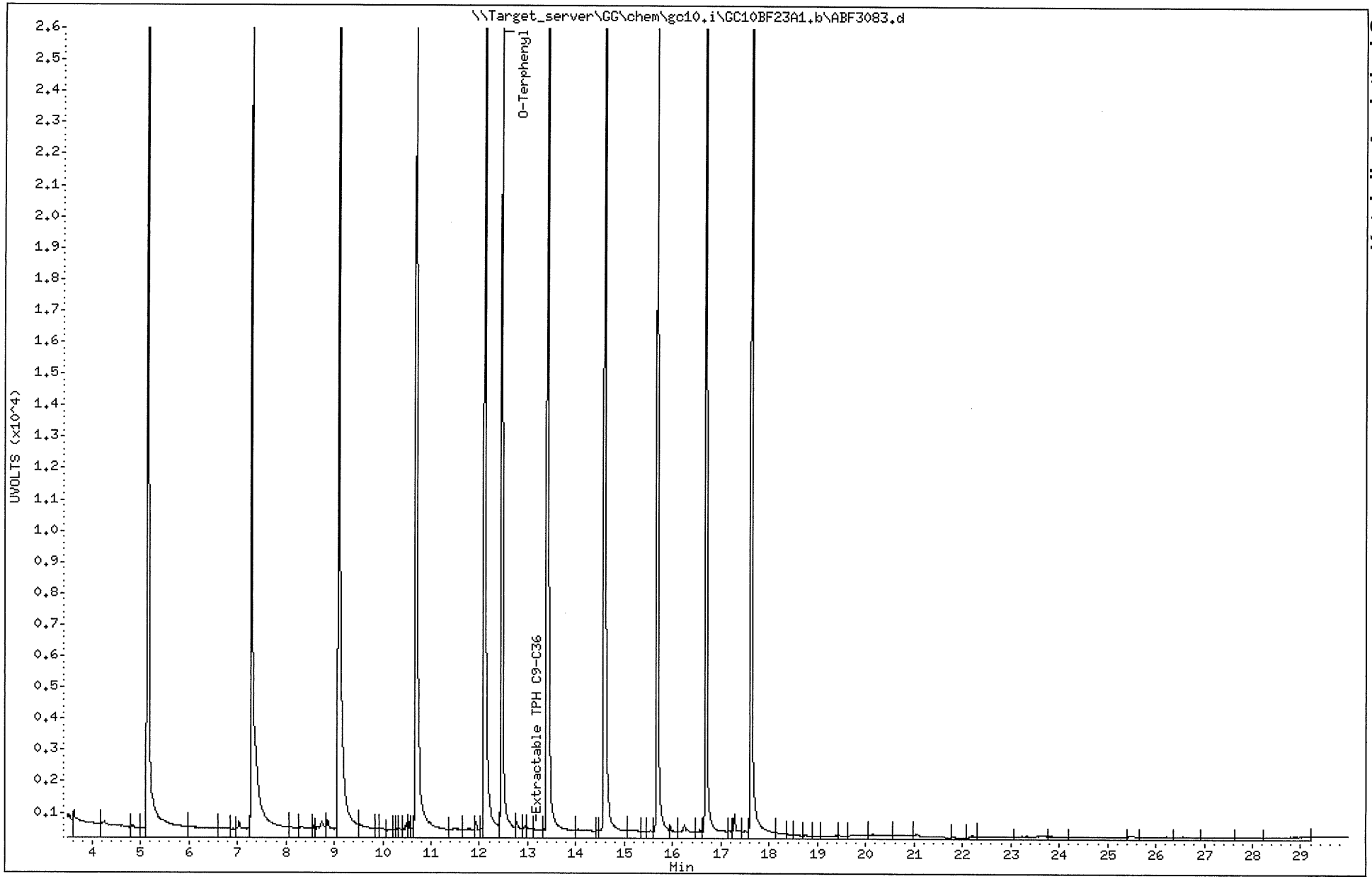
Concentration Formula: Amt * DF * (Vt/Vo)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00100	Final Volume (L)
Vo	1.000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/L)	REVIEW CODE
$ 8 O-Terphenyl	12.454	12.559	-0.105	102299	13.8005	13.8	
S 10 Extractable TPH C9-C36	3.916	-22.493		2195088	327.671	328	

Data File: \\Target_server\GG\chem\gc10.i\GC10BF23A1.b\ABF3083.d
Date : 23-JUN-2008 20:56
Client ID: WG52594-LCS
Sample Info: TPHA021B.M,GC10BF23A1.B,1,WG52594-2
Purge Volume: 1.0
Column phase: ZB-1

Instrument: gc10.i
Operator: KGT
Column diameter: 0.53



Katahdin Analytical Services 2000116

Data File: \\Target_server\GG\chem\gc10.i\GC10BF23A1.b\ABF3084.d
Report Date: 30-Jun-2008 08:01

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gc10.i\GC10BF23A1.b\ABF3084.d
Lab Smp Id: WG52594-3 Client Smp ID: WG52594-LCSD
Inj Date : 23-JUN-2008 21:34
Operator : KGT Inst ID: gc10.i
Smp Info : TPHA021B.M,GC10BF23A1.B,1,WG52594-3
Misc Info : SW846 M8015B
Comment :
Method : \\TARGET_SERVER\GG\chem\gc10.i\GC10BF23A1.B\TPHA021B.m
Meth Date : 24-Jun-2008 11:24 ktanguay Quant Type: ESTD
Cal Date : 08-APR-2008 16:51 Cal File: ABD1097a.d
Als bottle: 1 QC Sample: LCSD
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: SW8015M-TPH.sub
Subtraction File: \\Target_server\GG\chem\gc10.i\GC10BF23A1.b\ABF3077.d
Target Version: 4.12
Processing Host: TARGET02

Concentration Formula: Amt * DF * (Vt/Vo)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00100	Final Volume (L)
Vo	1.000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/L)	REVIEW CODE
$ 8 O-Terphenyl	12.452	12.559	-0.107	98819	13.3177	13.3(M)	
S 10 Extractable TPH C9-C36	3.916	-22.493		2282823	341.178	341(M)	MS

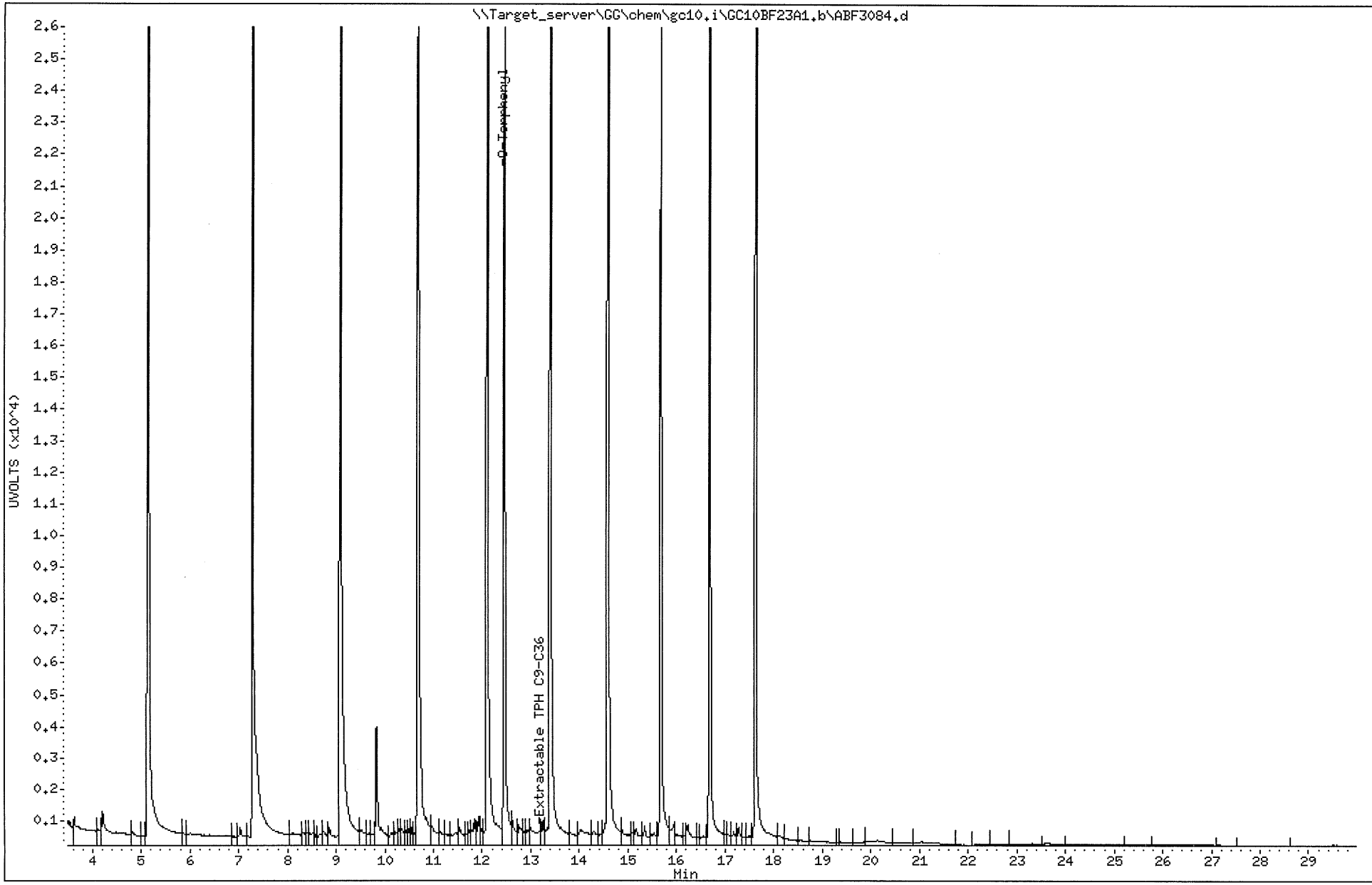
06/30/08

QC Flag Legend

M - Compound response manually integrated.

Data File: \\Target_server\GC\chem\gc10.i\GC10BF23A1.b\ABF3084.d
Date : 23-JUN-2008 21:34
Client ID: WG52594-LCSD
Sample Info: TPHA021B.M,GC10BF23A1.B,1,WG52594-3
Purge Volume: 1.0
Column phase: ZB-1

Instrument: gc10.i
Operator: KGT
Column diameter: 0.53



Katahdin Analytical Services 2000118

KATAHDIN ANALYTICAL SERVICES
MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 06/09/08
Received Date: 06/11/08
Extraction Date: 06/13/08
Analysis Date: 06/20/08
Report Date: 07/01/2008
Matrix: WATER

Lab ID: WG52475-3 & WG52475-4
Client ID: GW-MW104-060908MS & GW-MW104-060908MSD
SDG: CTO426-3
Extracted by: KF
Extraction Method: SW846 3510
Analyst: KGT
Analysis Method: SW846 M8015B
Lab Prep Batch: WG52475
Units: ug/L

COMPOUND	MS SPIKE	MSD SPIKE	SAMPLE CONC.	MS CONC.	MSD CONC.	MS %REC.	MSD %REC.	%RPD	%RPD LIMIT	QC. LIMITS
Extractable TPH C9-C36	472	521	0.00	311	378	66	72	19	20	33-135

FORM III DRO-1

ABF3042.d & ABF3043.d

Data File: \\Target_server\GG\chem\gc10.i\GC10BF19A1.b\ABF3042.d
Report Date: 01-Jul-2008 11:08

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gc10.i\GC10BF19A1.b\ABF3042.d
Lab Smp Id: WG52475-3 Client Smp ID: GW-MW104-060908MS
Inj Date : 20-JUN-2008 17:02
Operator : KGT Inst ID: gc10.i
Smp Info : TPHA021B.M,GC10BF19A1.B,1,WG52475-3
Misc Info : SW846 M8015B
Comment :
Method : \\Target_server\GG\chem\gc10.i\GC10BF19A1.b\tpha021b.m
Meth Date : 27-Jun-2008 16:41 ktanguay Quant Type: ESTD
Cal Date : 08-APR-2008 16:51 Cal File: ABD1097a.d
Als bottle: 1 QC Sample: MS
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: SW8015M-TPH-CT.su
Subtraction File: \\Target_server\GG\chem\gc10.i\GC10BF19A1.b\ABF3037A.d
Target Version: 4.12

Concentration Formula: Amt * DF * (Vt/Vo)*1000 * CpndVariable

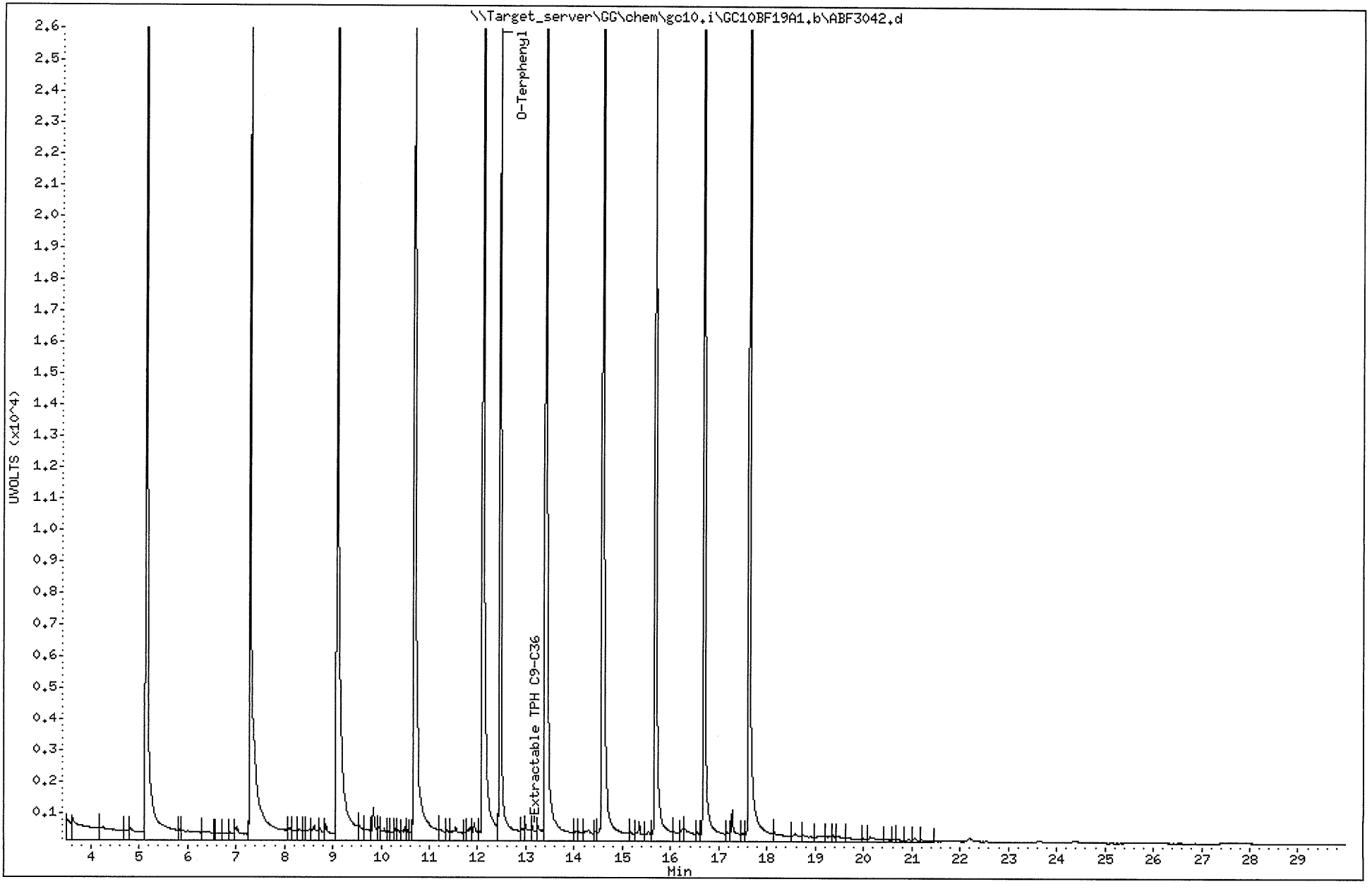
Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00100	Final Volume (L)
Vo	1.060	Sample Volume (L)
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/L)	REVIEW CODE
$ 8 O-Terphenyl	12.453	12.559	-0.106	108133	14.6100	13.8	
S 10 Extractable TPH C9-C36	3.916	-22.493		2207559	329.591	311	

Data File: \\Target_server\GC\chem\gc10.i\GC10BF19A1.b\ABF3042.d
Date : 20-JUN-2008 17:02
Client ID: GW-MW104-060908MS
Sample Info: TPHA021B.M,GC10BF19A1.B,1,WG52475-3
Purge Volume: 1.1
Column phase: ZB-1

Instrument: gc10.i

Operator: KGT
Column diameter: 0.53



Katahdin Analytical Services 2000121

Data File: \\Target_server\GG\chem\gc10.i\GC10BF19A1.b\ABF3043.d
Report Date: 01-Jul-2008 11:08

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gc10.i\GC10BF19A1.b\ABF3043.d
Lab Smp Id: WG52475-4 Client Smp ID: GW-MW104-060908MSD
Inj Date : 20-JUN-2008 17:41
Operator : KGT Inst ID: gc10.i
Smp Info : TPHA021B.M,GC10BF19A1.B,1,WG52475-4
Misc Info : SW846 M8015B
Comment :
Method : \\Target_server\GG\chem\gc10.i\GC10BF19A1.b\tpha021b.m
Meth Date : 27-Jun-2008 16:41 ktanguay Quant Type: ESTD
Cal Date : 08-APR-2008 16:51 Cal File: ABD1097a.d
Als bottle: 1 QC Sample: MSD
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: SW8015M-TPH-CT.su
Subtraction File: \\Target_server\GG\chem\gc10.i\GC10BF19A1.b\ABF3037A.d
Target Version: 4.12

Concentration Formula: Amt * DF * (Vt/Vo)*1000 * CpndVariable

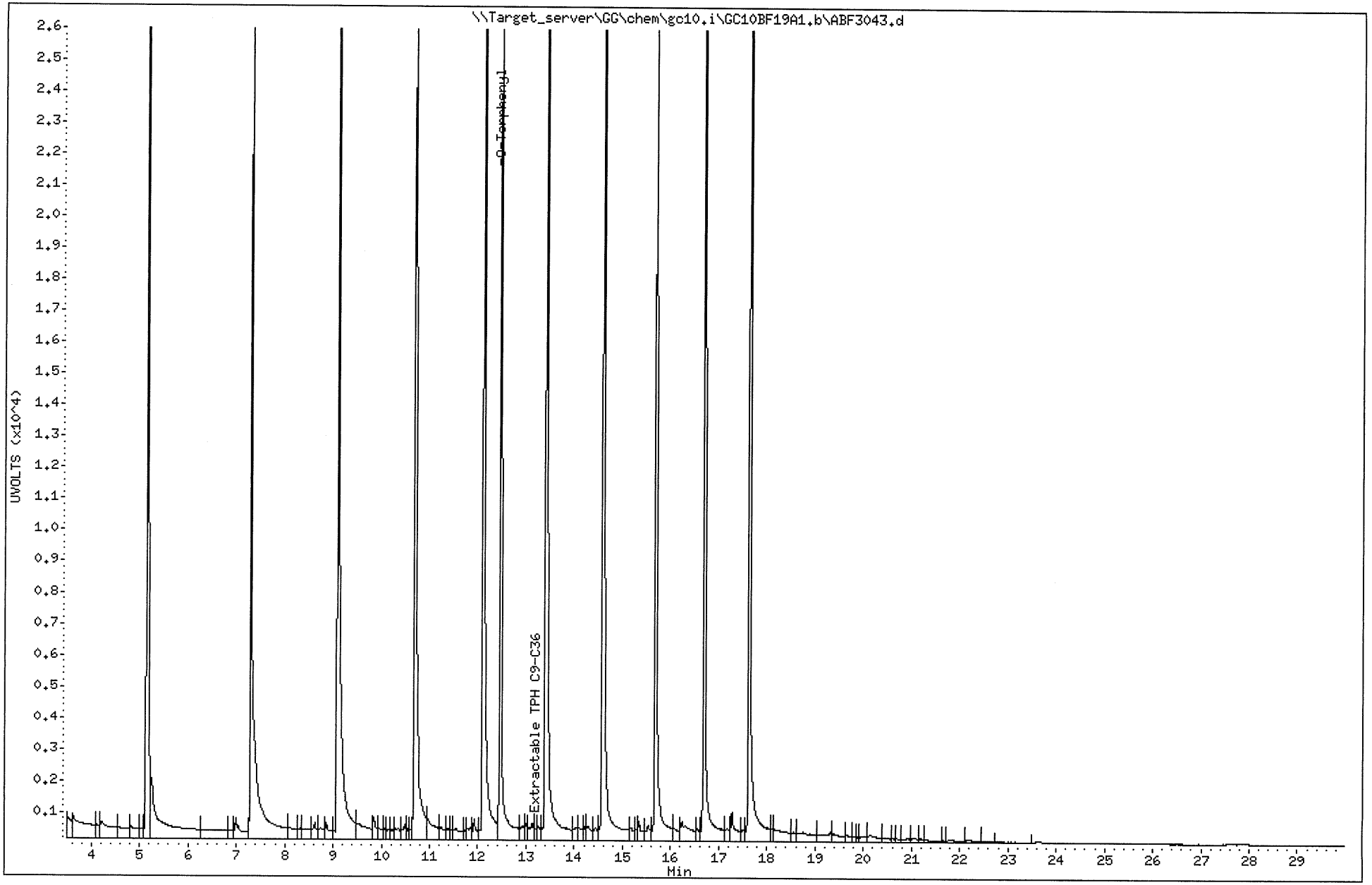
Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00100	Final Volume (L)
Vo	0.96000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/L)	REVIEW CODE
$ 8 O-Terphenyl	12.453	12.559	-0.106	114927	15.5526	16.2	
S 10 Extractable TPH C9-C36	3.916-22.493			2427368	363.431	378	

Data File: \\Target_server\GC\chem\gc10.i\GC10BF19A1.b\ABF3043.d
Date : 20-JUN-2008 17:41
Client ID: GW-MW104-060908MSD
Sample Info: TPHA021B.M,GC10BF19A1.B,1,WG52475-4
Purge Volume: 1.0
Column phase: ZB-1

Instrument: gc10.i

Operator: KGT
Column diameter: 0.53



Katahdin Analytical Services 2000123

Logbooks and Supporting Documents

KATAHDIN ANALYTICAL SERVICES, INC. - GC LABORATORY RUN LOG

Instrument GC010

Methods – Circle Applicable Methods

Amount Injected: 1ul

DRO/TPH – 8015Mod. / MDEP 4.1.25 / 8100Mod.

Date	Init	Result File	Sample #	Accept Y/N	Method	Column	Comments
4-3-08	JLP	ABD10 60	WG49506-3DL 3550	Y	NJA001A	305	1:50 OTPL matrix 100 ~~FO~~/500
		61	-1DL	Y			
		62	MeCl2	N			
		63	TB	Y			
		64	FLPRO				
		65	PHC 50				
		66	FO 500				
4-3-08	JLP	67	MeCl2	N			New liner
		68					
		69					
		70					
		71	TB	Y			
		72	FO #2	N			clip col?
4-8-08	JLP	89	TB	N	DROA021A	305	clip column
		90	TB	Y	TPHA021A		
		91	FO #2	N			No syringe
		92	FO #2	Y			
		93	PHC 50ug/mL	Y			H1757
		94	200				H1752
		95	100				H1728
		96	20				H1734
		97	5				H1756
		98	PHC IND				H1735
		99	SB14669-17 3550	Y	TPHA021A		
		100	-7	Y			
		101	-23	Y			
		102	-11	N			@ 1:5
		103	-1	Y			

REVIEWED BY _____ ON _____

KATAHDIN ANALYTICAL SERVICES, INC. - GC LABORATORY RUN LOG

Instrument GC010

Methods – Circle Applicable Methods

Amount Injected: 1µl

DRO/TPH – 8015Mod. / MDEP 4.1.25 / 8100Mod.

Date	Init	Result File	Sample #	Accept Y/N	Method	Column	Comments
061908	KCT	ABF3011	TB	Y	DRGA021B	305	
		12	PHC 20µg/ml	Y			H1734
		13	SB3045-6 350	Y			
		14	-7	Y			
		15	-8	Y			
		16	-9	Y			
		17	-10	Y			
		18	-11	Y			
		19	-12	Y			
		20	-13	Y			
		21	-14	Y			
		22	WG52397-1 350	Y			
		23 ~~24~~	~~KCT~~ Mech	N			
		24 ~~25~~	TB	Y			
		25 ~~26~~	PHC 50µg/ml	Y			H1768
		26	WG52397-2 350	Y			
		27	-3	Y			
		28	SB2996-1	N			@ 1:20
		29	-2	N			@ 1:20
		30	Mech	N			
		31	SB2996-1 DL 350	Y			1:20 SV/10.10
		32	-2 DL	Y			1:20 SV/1.000
		33	-2 ~~Mech~~ KCT	N			wrong sample
		34	M ~~PHC 50µg/ml~~	N			H1768
		35	PHC 50µg/ml	Y			C36
062008		36	TB	N			
		37		Y			
		39	PHC 50µg/ml	Y			H1768

REVIEWED BY _____ ON _____

KATAHDIN ANALYTICAL SERVICES, INC. - GC LABORATORY RUN LOG

Instrument GC010 **Methods** – Circle Applicable Methods

Amount Injected: 1 µl **DRO/TPH** – 8015Mod. / MDEP 4.1.25 / 8100Mod.

Date	Init	Result File	Sample #	Accept Y/N	Method	Column	Comments
					TPHA021R		
062408	KGS	ABF3040	WGS2475-1 3570	Y	~~PROA021R~~ KGS	305	
		41	-2	Y	TPHA021R		
		42	-3	Y			
		43	-4	Y			
		44	SB3055-1	Y			
		45	-2	Y			
		46	-3	Y			
		47	-4	Y			
		48	-5	Y			
		49	-6	Y			
		50	Mech	Y			
		51	TB	N			
		52	PHC 20ug/ml	Y			H1734
062108		53	SB3054-7 2300	Y			
		54	-8	Y			
		55	-9	Y			
		56	-10	Y			
		57	-11	Y			
		58	-12	Y			
		59	-13	Y			
		60	SB3101-1	Y			
		61	-2	Y			
		62	-3	Y			
		63	Mech	N			
		64	FD #2	N			
		65	TB	Y			
		66	PHC 50 ug/ml	Y			~~H1734~~ KGS H1768
		67	SB3101-4 3500	Y			

REVIEWED BY _____ ON _____

KATAHDIN ANALYTICAL SERVICES, INC. - GC LABORATORY RUN LOG

Instrument GC010

Methods – Circle Applicable Methods

Amount Injected: 1µl

DRO/TPH – 8015Mod. / MDEP 4.1.25 / 8100Mod.

Date	Init	Result File	Sample # 5871024	Accept Y/N	Method	Column	Comments
062408	KR	A8F3068	~~SB3101-5~~	Y	TPHA021R	305	
		69	-4	Y			
		70	-5	Y			
		71	Mech	Y			
		72	PHC 20mg/ml	Y			H1734
062408	KR	73	TB	N	DRO021R	305	
		74		Y			
		75	FO #2	Y			
		76	TB	N			
		77	TB	Y			
		78	PHC 50mg/ml	Y			H1768
		79	WG527887-1 3570	N			Solid P Sample
		80	-2	Y			WG527872-2 TPHA021R
		81	-3	Y			-3
		82	WG525941	Y	TPHA021R		
		83	-2	Y			
		84	-3	Y			
		85	SB3274-2 3570	Y	DRO021R		
		86	SB3101-5	Y	TPHA021R		
		87	-6	Y			
		88	Mech	N			
062408		89	TB	Y			
		90	PHC 20mg/ml	Y			H1734
062408		108	TB	N	DRO021R		
		109	TB	Y			
		110	PHC 50mg/ml	N			
		111	3570	Y			H1768
		112	WG527887-1RA	~~N~~ Y KR			WG527872-1 TPH

REVIEWED BY _____ ON _____

CT ETPH SEP

Katahdin Analytical Services, Inc.
Organic Extraction Log

Analysis: Fuel Oils
Method: SW846 8015M MEDEP 4.1.25 MADEP EPH FLOPRO (CT ETPH)
Matrix: Aqueous
Extraction: SW846 3520 (SW846 3510)
Surrogate Spike ID: GC0504
LCS/MS Spike ID: GC0502
KD Filter Paper Lot ID: H11375080
Acid Lot ID: —
Mecl2 Lot ID: G17E99

Sample pHs checked prior to extraction: (Y) / N
(unpreserved samples should be noted on comments.)
Blanks & LCSs adjusted to pH 2 w/ 1:1 HCl: Y / (N)

Nit Temp: 37°C Silica GET: 043129

Date Extracted	Ext. Init.	Sample ID	Initial Volume mL	Surr. Volume mL	Spike Volume mL	Final Volume mL	Date Conc.	Tray Location	Conc. Init.	Comments
6-13-08	JF	W652475-1	1000	1mL	NR	1mL	6-13-08	F0459 E2	GN	R82279 Neutral pH
		-2			1mL			E3		
		-3	~~960~~ 1060					E4		MS SB3059-4L
		-4	960					E5		MSD " -4M

GN 6-13-08

Date Extracted	Ext. Init.	Sample ID	Initial Volume mL	Surr. Volume mL	Spike Volume mL	Final Volume mL	Date Conc.	Tray Location	Conc. Init.	Comments
6-13-08	JF	SB3059-1D	1020	1mL	NR	1mL	6-13-08	E6	GN	Neutral pH emulsion
		-2D	1050					E7		
		-3D	1050					E8		
		-4K	1010					E9		
		-5D	1050					E10		emulsion
		-6D	1040					~~F0~~ A1	4-10	
		-7D	920					A2		
		-8D	1060					A3		
		-9D	1040					A4		
		-10D	1050					A5		
		-11D	1060					A6		
		-12D	1050					A7		emulsion
		-13D	1000					A8		
		SB3101-1D	1030					A9		thick emulsion-centrifuged
		-2A	970					A10		
		-3A	970					B1		
		-4A	970					B2		
		SB3102-1A	960					B3		small emulsion
		-4A	1000					B4		
		-5A	230					B5		small emulsion

Reviewed By: _____ Date: _____

Katahdin Analytical Services 2000129

CT ETPH SEP

Katahdin Analytical Services, Inc.
Organic Extraction Log

Analysis: Fuel Oils
Method: SW846 8015M MEDEP 4.1.25 MADEP EPH FLOPRO (CT ETPH)
Matrix: Aqueous
Extraction: SW846 3520 (SW846 3510)
Surrogate Spike ID: G00584
LCS/MS Spike ID: G00582
KD Filter Paper Lot ID:
Acid Lot ID: ~~D0811~~ N/A
Mecl2 Lot ID: G17E99
Nit Temp:

Sample pHs checked prior to extraction: (Y) / N
(unpreserved samples should be noted on comments.)
Blanks & LCSs adjusted to pH 2 w/ 1:1 HCl: Y / (N)

Date Extracted	Ext. Init.	Sample ID	Initial Volume mL	Surr. Volume mL	Spike Volume mL	Final Volume mL	Date Conc.	Tray Location	Conc. Init.	Comments
6/17/08	KF	WE52594-1	1000	1mL	NR	1mL	6/18/08	F0460 C4	DJ	R82447 No preservation
		-2			1mL			C5		
		-3						C6		
				DJ	6/18/08					

CT ETPH SEP

Date Extracted	Ext. Init.	Sample ID	Initial Volume mL	Surr. Volume mL	Spike Volume mL	Final Volume mL	Date Conc.	Tray Location	Conc. Init.	Comments
6/17/08	KF	SB3101-5A	1020	1mL	NR	1mL	6/18/08	F0460 C7	DJ	No preservation
		-6A	1060					C8		
				DJ	6/18/08					

Reviewed By: _____ Date: _____

Katahdin Analytical Services 2000130

TETRA TECH NUS, INC.
CTO 426 NLON
SDG: CTO426-4
SB3102

KATAHDIN ANALYTICAL SERVICES, INC.
600 TECHNOLOGY WAY
SCARBOROUGH, ME 04074

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SAMPLE DATA PACKAGE

SDG NARRATIVE
KATAHDIN ANALYTICAL SERVICES
TETRA TECH NUS
CASE CTO 426 NLON
SDG: CTO426-4
SB3102

Sample Receipt

The following samples were received on June 12, 2008 and were logged in under Katahdin Analytical Services work order number SB3102 for a hardcopy due date of July 1, 2008.

KATAHDIN Sample No.	TTNUS Sample Identification
SB3102-1	AWDSWDUP0120080610
SB3102-2	AWDSWSW120080610
SB3102-3	AWDSWPZ203A20080610
SB3102-4	AWDSWSW120080611
SB3102-5	AWDSWDUP0120080611
SB3102-6	AWDTB061108

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 CTO426-4 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. 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 to take corrective action only if the number of spiked analytes in the LCS that are outside of the QC limits is greater than the DoD QSM allowable number of exceedances. The LCS report consists of the full list of spiked analytes, but only the client's list of target analytes are evaluated. 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 samples that were analyzed on 6/20/08 on the computer used to collect data from the F instrument had incorrect dates of 01/01/90 and incorrect times due to a power failure. Consequently, the stamped dates on the chromatograms and quantitation reports were incorrect. Also, the Report of Analysis (ROA) forms for the samples had the incorrect date and times. The ROA's and the associated forms were manually corrected with the correct date and times. The computer was adjusted to the correct date and time on 6/23/08.

8015M-TPH Analysis

Samples SB3102-1 and 4 were manually integrated for the target range TPH and the extraction surrogate o-terphenyl. 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.

Due to limited volume for sample SB3102-5, the sample PQL was elevated accordingly.

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

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.

Deborah J. Nadeau for 7-1-08

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: ADC	Sampled By: Client
Project:	KIMS Entry By: DD	Delivered By: Fed Ex
KAS Work Order#: SB3101 / SB3102	KIMS Review By: ADC	Received By: DD
SDG #:	Cooler: 1 of 2	Date/Time Rec.: 6-12-08 950

Receipt Criteria	Y	N	EX*	NA	Comments and/or Resolution
1. Custody seals present / intact?	X				
2. Chain of Custody present in cooler?		X			Chain of custody in cooler #2
3. Chain of Custody signed by client?	X				
4. Chain of Custody matches samples? *	X				
5. Temperature Blanks present?	X				Temp (°C): 13.6 ADC notified Lucy-proceed.
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) 10.1
7. Volatiles free of headspace? **Aqueous:** No bubble larger than a pea	DD X			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

* Sample AWD-GW-MW301-20080611 was on COC 2 times

Only received one bottle for TPH for AWD-SW-PZ203A-20080610 and it was not even 1/4 full.

Samples in this cooler:

MW302-061108 DUP2 MW4004108 MW301-20080611 MW303 061108

0000005

Katahdin Analytical Services, Inc. **Sample Receipt Condition Report**

Client: Tetra Tech		KAS PM: ASC		Sampled By: client	
Project:		KIMS Entry By: DJ		Delivered By: Fed Ex	
KAS Work Order#: SB3102 / SB3101		KIMS Review By: RC		Received By: DD	
SDG #:	Cooler: 2 of 2			Date/Time Rec.: 6-12-08 950	

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): 10.4
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) 2.7
7. Volatiles free of headspace?	X OK				
Aqueous: No bubble larger than a pea	X DS			X DS	
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
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

Client: Tetratech NUS Inc
Contact: Steve Vestere
Phone #: 9784748444
Fax #: (978)474846
Address: 55 Jonspin Rd
City: Wilmington
State: MA
Zip Code:
Purchase Order #:
Proj. Name / No.:
Katahdin Quote #:
Bill (if different than above):
Address:
Sampler (Print / Sign): R Clark Reel
Copies To:

LAB USE ONLY
WORK ORDER #: SB3101 / SB3102
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.	Target VOC	ETPH OPEP Method									
				Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N
AWD-GW-MW302-061108	6/11/08/1215	A	5	3	2									
AWD-SW-PZ203A 20080611	6/11/08/1145	A	1		1									
AWD-GW-~~301~~ MW301-20080611	6/11/08/1030	A	5	3	2									
AWD-GW-MW401-061108	6/11/08/0930	A	5	3	2									
AWD-GW-MW303-061108	6/11/08/1050	A	5	3	2									
AWD-GW-Dup02	6/11/08/—	A	5	3	2									
AWD-SW-Dup01 20080610	6/10/08/—	A	2		2									
AWD-GW-MW301 20080611	6/11/08/1030	A	5	3	2									
AWD-SW-PZ203A 20080610	6/10/08/1630	A			1									
AWD-SW-SW1 20080610	6/10/08/1600	A	2		2									
AWD-SW-PZ203A 20080610	6/10/08/1630	A	4	3	1									
AWD-SW-SW1-20080611	6/11/08/1115	A	3	3										
AWD-SW-Dup01 20080611	6/11/08/—	A	3	3										
AWD-TB061108	6/11/08/—	A	2											
	/													
	/													

COMMENTS: See SOW for Analyte list + Detection limit

Relinquished By: (Signature)	Date / Time	Received By: (Signature)	Relinquished By: (Signature)	Date / Time	Received By: (Signature)
Rob C	6/11/08 1600				
Relinquished By: (Signature)	**Date / Time**	**Received By: (Signature)**	**Relinquished By: (Signature)**	**Date / Time**	**Received By: (Signature)**
					00000007

THE TERMS AND CONDITIONS ON THE REVERSE SIDE HEREOF SHALL GOVERN. ORIGINAL

Katahdin
ANALYTICAL SERVICES

Katahdin Analytical Services

Login Chain of Custody Report (Ino1)

Jun. 12, 2008
03:10 PM

Login Number: SB3102

Account: TETRAT001 Web
Tetra Tech NUS, Inc.

Project: TETRAT426001

Primary Report Address:
Lucy Guzman
Tetra Tech NUS
55 Jonspin Road

Wilmington,MA 01887-1020

Primary Invoice Address:
Accounts Payable
Tetra Tech NUS, Inc.
661 Andersen Drive
Foster Plaza 7
Pittsburgh,PA 15220

Report CC Addresses:
Invoice CC Addresses:

Login Information

ANALYSIS INSTRUCTIONS	:	TPH is CT-ETPH
CHECK NO.	:	
CLIENT PO#	:	1000693 25-426
COOLER TEMPERATURE	:	10.1, 2.7
DELIVERY SERVICES	:	FEDEX
EDD FORMAT	:	KAS087QC-TXT
PM	:	AJC
PROJECT NAME	:	CTO 426 NLON
QC LEVEL	:	IV
REGULATORY LIST	:	NFESC
REPORT INSTRUCTIONS	:	Rpt to MDL. Data summary needs all forms. Send hc and 1 CD w/ PDF to Lucy. Send 1 CD w/ PDF & EDD to Tobrena.
SDG ID	:	CTO426-4
SDG STATUS	:	Begin /End

Laboratory Sample ID	Client Sample Number	Collect Date/Time	Receive Date	PR	Verbal Date	Due Date	Mailed
SB3102-1	AWDSWDUP0120080610	10-JUN-08 00:00	12-JUN-08			01-JUL-08	

Matrix		Product	Hold Date (shortest)	Bottle Type	Bottle Count	Comments
Aqueous	S	SW8015M-TPH-CT	17-JUN-08	1L N-Amber Glass	2	

SB3102-4	AWDSWSW120080610	10-JUN-08 16:00	12-JUN-08			01-JUL-08	

Matrix		Product	Hold Date (shortest)	Bottle Type	Bottle Count	Comments
Aqueous	S	SW8015M-TPH-CT	17-JUN-08	1L N-Amber Glass	2	

SB3102-5	AWDSWPZ203A20080610	10-JUN-08 16:30	12-JUN-08			01-JUL-08	

Matrix		Product	Hold Date (shortest)	Bottle Type	Bottle Count	Comments
Aqueous	S	SW8015M-TPH-CT	17-JUN-08	1L N-Amber Glass	1	
Aqueous	S	SW8260-S	24-JUN-08	40mL Vial+HCl	3	

SB3102-6	AWDSWSW120080611	11-JUN-08 11:15	12-JUN-08			01-JUL-08	

Matrix		Product	Hold Date (shortest)	Bottle Type	Bottle Count	Comments
Aqueous	S	SW8260-S	25-JUN-08	40mL Vial+HCl	3	

SB3102-7	AWDSWDUP0120080611	11-JUN-08 00:00	12-JUN-08			01-JUL-08	

Matrix		Product	Hold Date (shortest)	Bottle Type	Bottle Count	Comments
Aqueous	S	SW8260-S	25-JUN-08	40mL Vial+HCl	3	

SB3102-8	AWDTB061108	11-JUN-08 00:00	12-JUN-08			01-JUL-08	

Matrix		Product	Hold Date (shortest)	Bottle Type	Bottle Count	Comments
Aqueous	S	SW8260-S	25-JUN-08	40mL Vial+HCl	2	

Total Samples: **6** ***Total Analyses:*** **7**

SAMPLE DATA SUMMARY PACKAGE

KATAHDIN ANALYTICAL SERVICES - ORGANIC DATA QUALIFIERS

U Indicates the compound was analyzed for but not detected above the laboratory Practical Quantitation Limit.

* Compound recovery outside of quality control limits.

D Indicates the result was obtained from analysis of a diluted sample. Surrogate recoveries may not be calculable.

E Estimated value. This flag identifies compounds whose concentrations exceed the upper level of the calibration range of the instrument for that specific analysis.

J Estimated value. The analyte was detected in the sample at a concentration less than the laboratory Practical Quantitation Limit (PQL), but above the Method Detection Limit (MDL).

or

J Used for Pesticide/Aroclor analyte when there is a greater than 40% difference for detected concentrations between the two GC columns.

B Indicates the analyte was detected in the laboratory method blank analyzed concurrently with the sample.

N Presumptive evidence of a compound based on a mass spectral library search.

A Indicates that a tentatively identified compound is a suspected aldol-condensation product.

P Used for Pesticide/Aroclor analyte when there is a greater than 25% difference for detected concentrations between the two GC columns. (for CLP methods only).

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 06/10/08
Received Date: 06/12/08
Extraction Date: 20-JUN-2008 18:49
Analysis Date: ~~01-JAN-1990 12:58~~
Report Date: 06/25/2008 SKJ 062508
Matrix: WATER
% Solids: NA

Lab ID: SB3102-5
Client ID: AWDSWPZ203A20080610
SDG: CTO426-4
Extracted by:
Extraction Method: SW846 5030
Analyst: TTC
Analysis Method: SW846 8260B
Lab Prep Batch: WG52726
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
1634-04-4	Methyl tert-butyl ether	U	1	1.0	1	1	0.5
71-43-2	Benzene	U	1	1.0	1	1	0.3
108-88-3	Toluene		3	1.0	1	1	0.4
100-41-4	Ethylbenzene	U	1	1.0	1	1	0.3
1330-20-7	Xylenes (total)	U	3	1.0	3	3	0.3
	m+p-Xylenes	U	2	1.0	2	2	0.7
95-47-6	o-Xylene	U	1	1.0	1	1	0.3
98-82-8	Isopropylbenzene	U	1	1.0	1	1	0.4
91-20-3	Naphthalene	U	1	1.0	1	1	0.4
1868-53-7	Dibromofluoromethane		102%				
17060-07-0	1,2-Dichloroethane-D4		106%				
2037-26-5	Toluene-D8		100%				
460-00-4	P-Bromofluorobenzene		94%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 06/11/08
Received Date: 06/12/08
Extraction Date:
Analysis Date: 23-JUN-2008 17:00
Report Date: 06/25/2008
Matrix: WATER
% Solids: NA

Lab ID: SB3102-6
Client ID: AWDSWSW120080611
SDG: CTO426-4
Extracted by:
Extraction Method: SW846 5030
Analyst: TTC
Analysis Method: SW846 8260B
Lab Prep Batch: WG52797
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
1634-04-4	Methyl tert-butyl ether	U	1	1.0	1	1	0.5
71-43-2	Benzene	U	1	1.0	1	1	0.3
108-88-3	Toluene	U	1	1.0	1	1	0.4
100-41-4	Ethylbenzene	U	1	1.0	1	1	0.3
1330-20-7	Xylenes (total)	U	3	1.0	3	3	0.3
	m+p-Xylenes	U	2	1.0	2	2	0.7
95-47-6	o-Xylene	U	1	1.0	1	1	0.3
98-82-8	Isopropylbenzene	U	1	1.0	1	1	0.4
91-20-3	Naphthalene	U	1	1.0	1	1	0.4
1868-53-7	Dibromofluoromethane		99%				
17060-07-0	1,2-Dichloroethane-D4		104%				
2037-26-5	Toluene-D8		100%				
460-00-4	P-Bromofluorobenzene		98%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 06/11/08
Received Date: 06/12/08
Extraction Date:
Analysis Date: 23-JUN-2008 16:29
Report Date: 06/25/2008
Matrix: WATER
% Solids: NA

Lab ID: SB3102-7
Client ID: AWDSWDUP0120080611
SDG: CTO426-4
Extracted by:
Extraction Method: SW846 5030
Analyst: TTC
Analysis Method: SW846 8260B
Lab Prep Batch: WG52797
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
1634-04-4	Methyl tert-butyl ether	U	1	1.0	1	1	0.5
71-43-2	Benzene	U	1	1.0	1	1	0.3
108-88-3	Toluene	U	1	1.0	1	1	0.4
100-41-4	Ethylbenzene	U	1	1.0	1	1	0.3
1330-20-7	Xylenes (total)	U	3	1.0	3	3	0.3
	m+p-Xylenes	U	2	1.0	2	2	0.7
95-47-6	o-Xylene	U	1	1.0	1	1	0.3
98-82-8	Isopropylbenzene		3	1.0	1	1	0.4
91-20-3	Naphthalene	U	1	1.0	1	1	0.4
1868-53-7	Dibromofluoromethane		100%				
17060-07-0	1,2-Dichloroethane-D4		101%				
2037-26-5	Toluene-D8		100%				
460-00-4	P-Bromofluorobenzene		95%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 06/11/08
Received Date: 06/12/08
Extraction Date:
Analysis Date: 23-JUN-2008 15:59
Report Date: 06/25/2008
Matrix: WATER
% Solids: NA

Lab ID: SB3102-8
Client ID: AWDTB061108
SDG: CTO426-4
Extracted by:
Extraction Method: SW846 5030
Analyst: TTC
Analysis Method: SW846 8260B
Lab Prep Batch: WG52797
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
1634-04-4	Methyl tert-butyl ether	U	1	1.0	1	1	0.5
71-43-2	Benzene	U	1	1.0	1	1	0.3
108-88-3	Toluene	U	1	1.0	1	1	0.4
100-41-4	Ethylbenzene	U	1	1.0	1	1	0.3
1330-20-7	Xylenes (total)	U	3	1.0	3	3	0.3
	m+p-Xylenes	U	2	1.0	2	2	0.7
95-47-6	o-Xylene	U	1	1.0	1	1	0.3
98-82-8	Isopropylbenzene	U	1	1.0	1	1	0.4
91-20-3	Naphthalene	U	1	1.0	1	1	0.4
1868-53-7	Dibromofluoromethane		99%				
17060-07-0	1,2-Dichloroethane-D4		102%				
2037-26-5	Toluene-D8		100%				
460-00-4	P-Bromofluorobenzene		93%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client:
Project: CTO 426 NLON
PO No:
Sample Date:
Received Date:
Extraction Date: 20-JUN-2008 11:27
Analysis Date: ~~01-JAN-1990 05:36~~
Report Date: 06/25/2008 SKT 062508
Matrix: WATER
% Solids: NA

Lab ID: WG52726-2
Client ID: WG52726-Blank
SDG: CTO426-4
Extracted by:
Extraction Method: SW846 5030
Analyst: TTC
Analysis Method: SW846 8260B
Lab Prep Batch: WG52726
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
1634-04-4	Methyl tert-butyl ether	U	1	1.0	1	1	0.5
71-43-2	Benzene	U	1	1.0	1	1	0.3
108-88-3	Toluene	U	1	1.0	1	1	0.4
100-41-4	Ethylbenzene	U	1	1.0	1	1	0.3
1330-20-7	Xylenes (total)	U	3	1.0	3	3	0.3
	m+p-Xylenes	U	2	1.0	2	2	0.7
95-47-6	o-Xylene	U	1	1.0	1	1	0.3
98-82-8	Isopropylbenzene	U	1	1.0	1	1	0.4
91-20-3	Naphthalene	U	1	1.0	1	1	0.4
1868-53-7	Dibromofluoromethane		100%				
17060-07-0	1,2-Dichloroethane-D4		101%				
2037-26-5	Toluene-D8		101%				
460-00-4	P-Bromofluorobenzene		94%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client:
Project: CTO 426 NLON
PO No:
Sample Date:
Received Date:
Extraction Date:
Analysis Date: 23-JUN-2008 12:12
Report Date: 06/25/2008
Matrix: WATER
% Solids: NA

Lab ID: WG52797-2
Client ID: WG52797-Blank
SDG: CTO426-4
Extracted by:
Extraction Method: SW846 5030
Analyst: TTC
Analysis Method: SW846 8260B
Lab Prep Batch: WG52797
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
1634-04-4	Methyl tert-butyl ether	U	1	1.0	1	1	0.5
71-43-2	Benzene	U	1	1.0	1	1	0.3
108-88-3	Toluene	U	1	1.0	1	1	0.4
100-41-4	Ethylbenzene	U	1	1.0	1	1	0.3
1330-20-7	Xylenes (total)	U	3	1.0	3	3	0.3
	m+p-Xylenes	U	2	1.0	2	2	0.7
95-47-6	o-Xylene	U	1	1.0	1	1	0.3
98-82-8	Isopropylbenzene	U	1	1.0	1	1	0.4
91-20-3	Naphthalene	U	1	1.0	1	1	0.4
1868-53-7	Dibromofluoromethane		98%				
17060-07-0	1,2-Dichloroethane-D4		98%				
2037-26-5	Toluene-D8		97%				
460-00-4	P-Bromofluorobenzene		98%				

FORM 2
WATER VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 426 NLON SDG No.: CTO426-4

	CLIENT SAMPLE ID	LAB SAMPLE ID	SMC1 DBF#	SMC2 DCA#	SMC3 TOL#	SMC4 BFB#	TOT OUT
01	WG52726-LCS	WG52726-1	93	91	98	95	0
02	WG52726-BLANK	WG52726-2	100	101	101	94	0
03	AWDSWPZ203A20080610	SB3102-5	102	106	100	94	0
04	WG52797-LCS	WG52797-1	87	88	97	100	0
05	WG52797-BLANK	WG52797-2	98	98	97	98	0
06	AWDTB061108	SB3102-8	99	102	100	93	0
07	AWDSWDUP0120080611	SB3102-7	100	101	100	95	0
08	AWDSWSW120080611	SB3102-6	99	104	100	98	0
09							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							
23							
24							
25							
26							
27							
28							

		QC LIMITS
SMC1 (DBF)	= Dibromofluoromethane	(76-114)
SMC2 (DCA)	= 1,2-Dichloroethane-D4	(71-128)
SMC3 (TOL)	= Toluene-D8	(74-117)
SMC4 (BFB)	= P-Bromofluorobenzene	(67-127)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D System Monitoring Compound diluted out

KATAHDIN ANALYTICAL SERVICES
LAB CONTROL SAMPLE

Client:
Project: CTO 426 NLON
PO No:
Sample Date:
Received Date:
Extraction Date: 06/25/08 SKJ
Analysis Date: ~~01/01/90~~ 06/20/08
Report Date: 06/25/2008
Matrix: WATER

Lab ID: WG52726-1
Client ID: WG52726-LCS
SDG: CTO426-4
Extracted by:
Extraction Method: SW846 5030
Analyst: TTC
Analysis Method: SW846 8260B
Lab Prep Batch: WG52726
Units: ug/l

COMPOUND	LCS SPIKE	SAMPLE CONC.	LCS CONC.	%REC.	QC. LIMITS
Dichlorodifluoromethane	50	NA	41	82	20-143
Chloromethane	50	NA	40	81	34-132
Vinyl chloride	50	NA	44	89	48-136
Bromomethane	50	NA	42	84	52-129
Chloroethane	50	NA	46	91	43-146
Trichlorofluoromethane	50	NA	60	120	62-157
Diethyl Ether	50	NA	55	110	74-141
Tertiary-butyl alcohol	250	NA	264	106	10-152
1,1-Dichloroethene	50	NA	53	106	64-126
Carbon Disulfide	50	NA	54	107	59-136
Freon-113	50	NA	54	108	78-140
Iodomethane	50	NA	60	* 119	54-107
Acrolein	250	NA	258	103	42-156
Methylene Chloride	50	NA	49	99	63-122
Acetone	50	NA	48	96	15-160
Isobutyl Alcohol	1000	NA	912	91	10-169
trans-1,2-Dichloroethene	50	NA	53	107	65-128
Allyl Chloride	50	NA	53	106	64-150
Methyl tert-butyl ether	100	NA	114	114	71-140
Acetonitrile	500	NA	526	105	40-164
Di-isopropyl ether	50	NA	48	95	77-135
Chloroprene	50	NA	50	99	82-133
Methacrylonitrile	500	NA	564	113	69-146
Propionitrile	500	NA	518	104	51-161
1,1-Dichloroethane	50	NA	54	107	74-135
Acrylonitrile	250	NA	267	107	67-144
Ethyl tertiary-butyl ether	50	NA	50	100	79-136
Vinyl Acetate	50	NA	48	95	57-139
cis-1,2-Dichloroethene	50	NA	52	104	75-117
1,2-Dichloroethylene (total)	100	NA	106	106	72-121
Methyl Methacrylate	50	NA	46	93	71-136
2,2-Dichloropropane	50	NA	56	113	55-140
Bromochloromethane	50	NA	58	115	80-132
Chloroform	50	NA	54	109	80-125
Carbon Tetrachloride	50	NA	54	109	76-123
Tetrahydrofuran	50	NA	46	92	38-157
1,1,1-Trichloroethane	50	NA	55	110	79-125
1,1-Dichloropropene	50	NA	54	108	80-125
2-Butanone	50	NA	53	105	45-184
Benzene	50	NA	53	105	71-125
Cyclohexane	50	NA	62	125	57-128
Ethyl Methacrylate	50	NA	44	89	73-134
Tertiary-amyl methyl ether	50	NA	53	106	78-133
1,2-Dichloroethane	50	NA	51	103	75-125
Trichloroethene	50	NA	50	99	78-118

KATAHDIN ANALYTICAL SERVICES
LAB CONTROL SAMPLE

Client:
Project: CTO 426 NLON
PO No:
Sample Date:
Received Date:
Extraction Date:
Analysis Date: 01/01/90
Report Date: 06/25/2008
Matrix: WATER

Lab ID: WG52726-1
Client ID: WG52726-LCS
SDG: CTO426-4
Extracted by:
Extraction Method: SW846 5030
Analyst: TTC
Analysis Method: SW846 8260B
Lab Prep Batch: WG52726
Units: ug/l

COMPOUND	LCS SPIKE	SAMPLE CONC.	LCS CONC.	%REC.	QC. LIMITS
Dibromomethane	50	NA	52	105	73-125
1,2-Dichloropropane	50	NA	51	102	78-127
Bromodichloromethane	50	NA	49	98	76-118
cis-1,3-dichloropropene	50	NA	51	103	84-125
1,4-Dioxane	1000	NA	738	74	10-178
2-Chloroethylvinylether	50	NA	48	96	20-191
Toluene	50	NA	53	106	79-118
4-methyl-2-pentanone	50	NA	47	93	44-157
Tetrachloroethene	50	NA	61	123	71-137
trans-1,3-Dichloropropene	50	NA	59	119	89-137
1,1,2-Trichloroethane	50	NA	49	99	76-125
Dibromochloromethane	50	NA	53	106	77-119
1,3-Dichloropropane	50	NA	52	104	79-122
1,2-Dibromoethane	50	NA	51	102	78-124
2-Hexanone	50	NA	42	84	27-182
Chlorobenzene	50	NA	51	103	81-118
Ethylbenzene	50	NA	55	109	80-115
1,1,1,2-Tetrachloroethane	50	NA	52	105	79-118
Xylenes (total)	150	NA	162	108	85-114
m+p-Xylenes	100	NA	111	111	87-113
o-Xylene	50	NA	51	102	80-118
Styrene	50	NA	51	102	81-116
Bromoform	50	NA	54	109	69-129
Isopropylbenzene	50	NA	56	111	87-129
cis-1,4-Dichloro-2-Butene	50	NA	46	91	60-133
trans-1,4-Dichloro-2-Butene	50	NA	48	96	67-134
Bromobenzene	50	NA	52	105	83-112
N-Propylbenzene	50	NA	50	101	79-121
1,1,2,2-Tetrachloroethane	50	NA	49	98	68-133
1,3,5-Trimethylbenzene	50	NA	51	102	80-117
2-Chlorotoluene	50	NA	49	98	86-113
1,2,3-Trichloropropane	50	NA	50	100	63-133
4-Chlorotoluene	50	NA	50	101	84-117
tert-Butylbenzene	50	NA	46	92	78-122
Pentachloroethane	50	NA	36	73	64-135
1,2,4-Trimethylbenzene	50	NA	50	99	78-116
P-Isopropyltoluene	50	NA	51	101	79-123
1,3-Dichlorobenzene	50	NA	54	108	86-111
1,4-Dichlorobenzene	50	NA	51	102	78-118
N-Butylbenzene	50	NA	48	96	76-119
sec-Butylbenzene	50	NA	49	99	77-121
1,2-Dichlorobenzene	50	NA	53	105	86-113
1,2-Dibromo-3-Chloropropane	50	NA	51	102	63-133
1,3,5-Trichlorobenzene	50	NA	52	103	84-118
Hexachlorobutadiene	50	NA	49	98	70-114

KATAHDIN ANALYTICAL SERVICES
LAB CONTROL SAMPLE

Client:
Project: CTO 426 NLON
PO No:
Sample Date:
Received Date:
Extraction Date:
Analysis Date: 01/01/90
Report Date: 06/25/2008
Matrix: WATER

Lab ID: WG52726-1
Client ID: WG52726-LCS
SDG: CTO426-4
Extracted by:
Extraction Method: SW846 5030
Analyst: TTC
Analysis Method: SW846 8260B
Lab Prep Batch: WG52726
Units: ug/l

COMPOUND	LCS SPIKE	SAMPLE CONC.	LCS CONC.	%REC.	QC. LIMITS
1,2,4-Trichlorobenzene	50	NA	55	111	74-116
1,2,3-Trimethylbenzene	50	NA	53	107	85-124
Naphthalene	50	NA	48	96	64-121
1,2,3-Trichlorobenzene	50	NA	44	89	73-117
Methyl Acetate	50	NA	53	106	52-142
Methylcyclohexane	50	NA	49	99	83-125
1-Chlorohexane	50	NA	48	95	78-128
Total Alkylbenzenes	350	NA	345	98	60-140

KATAHDIN ANALYTICAL SERVICES
LAB CONTROL SAMPLE

Client:
Project: CTO 426 NLON
PO No:
Sample Date:
Received Date:
Extraction Date:
Analysis Date: 06/23/08
Report Date: 06/25/2008
Matrix: WATER

Lab ID: WG52797-1
Client ID: WG52797-LCS
SDG: CTO426-4
Extracted by:
Extraction Method: SW846 5030
Analyst: TTC
Analysis Method: SW846 8260B
Lab Prep Batch: WG52797
Units: ug/l

COMPOUND	LCS SPIKE	SAMPLE CONC.	LCS CONC.		%REC.	QC. LIMITS
Dichlorodifluoromethane	50	NA	30		60	20-143
Chloromethane	50	NA	35		70	34-132
Vinyl chloride	50	NA	39		78	48-136
Bromomethane	50	NA	37		73	52-129
Chloroethane	50	NA	42		85	43-146
Trichlorofluoromethane	50	NA	59		118	62-157
Diethyl Ether	50	NA	54		107	74-141
Tertiary-butyl alcohol	250	NA	277		111	10-152
1,1-Dichloroethene	50	NA	52		104	64-126
Carbon Disulfide	50	NA	51		102	59-136
Freon-113	50	NA	55		109	78-140
Iodomethane	50	NA	57	*	114	54-107
Acrolein	250	NA	246		98	42-156
Methylene Chloride	50	NA	49		98	63-122
Acetone	50	NA	51		101	15-160
Isobutyl Alcohol	1000	NA	931		93	10-169
trans-1,2-Dichloroethene	50	NA	51		102	65-128
Allyl Chloride	50	NA	51		101	64-150
Methyl tert-butyl ether	100	NA	116		116	71-140
Acetonitrile	500	NA	508		102	40-164
Di-isopropyl ether	50	NA	48		96	77-135
Chloroprene	50	NA	49		98	82-133
Methacrylonitrile	500	NA	574		115	69-146
Propionitrile	500	NA	523		105	51-161
1,1-Dichloroethane	50	NA	53		107	74-135
Acrylonitrile	250	NA	270		108	67-144
Ethyl tertiary-butyl ether	50	NA	49		98	79-136
Vinyl Acetate	50	NA	50		101	57-139
cis-1,2-Dichloroethene	50	NA	51		103	75-117
1,2-Dichloroethylene (total)	100	NA	102		102	72-121
Methyl Methacrylate	50	NA	49		97	71-136
2,2-Dichloropropane	50	NA	57		115	55-140
Bromochloromethane	50	NA	56		112	80-132
Chloroform	50	NA	55		111	80-125
Carbon Tetrachloride	50	NA	58		115	76-123
Tetrahydrofuran	50	NA	47		95	38-157
1,1,1-Trichloroethane	50	NA	55		109	79-125
1,1-Dichloropropene	50	NA	54		108	80-125
2-Butanone	50	NA	50		100	45-184
Benzene	50	NA	54		107	71-125
Cyclohexane	50	NA	55		110	57-128
Ethyl Methacrylate	50	NA	48		95	73-134
Tertiary-amyl methyl ether	50	NA	54		107	78-133
1,2-Dichloroethane	50	NA	57		114	75-125
Trichloroethene	50	NA	53		106	78-118

KATAHDIN ANALYTICAL SERVICES
LAB CONTROL SAMPLE

Client:
Project: CTO 426 NLON
PO No:
Sample Date:
Received Date:
Extraction Date:
Analysis Date: 06/23/08
Report Date: 06/25/2008
Matrix: WATER

Lab ID: WG52797-1
Client ID: WG52797-LCS
SDG: CTO426-4
Extracted by:
Extraction Method: SW846 5030
Analyst: TTC
Analysis Method: SW846 8260B
Lab Prep Batch: WG52797
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	52	103	78-127
Bromodichloromethane	50	NA	53	107	76-118
cis-1,3-dichloropropene	50	NA	54	109	84-125
1,4-Dioxane	1000	NA	753	75	10-178
2-Chloroethylvinylether	50	NA	50	99	20-191
Toluene	50	NA	55	111	79-118
4-methyl-2-pentanone	50	NA	48	96	44-157
Tetrachloroethene	50	NA	53	106	71-137
trans-1,3-Dichloropropene	50	NA	62	124	89-137
1,1,2-Trichloroethane	50	NA	51	102	76-125
Dibromochloromethane	50	NA	54	109	77-119
1,3-Dichloropropane	50	NA	51	102	79-122
1,2-Dibromoethane	50	NA	54	109	78-124
2-Hexanone	50	NA	42	85	27-182
Chlorobenzene	50	NA	52	103	81-118
Ethylbenzene	50	NA	54	108	80-115
1,1,1,2-Tetrachloroethane	50	NA	53	106	79-118
Xylenes (total)	150	NA	157	105	85-114
m+p-Xylenes	100	NA	107	107	87-113
o-Xylene	50	NA	50	100	80-118
Styrene	50	NA	51	102	81-116
Bromoform	50	NA	56	112	69-129
Isopropylbenzene	50	NA	54	108	87-129
cis-1,4-Dichloro-2-Butene	50	NA	49	97	60-133
trans-1,4-Dichloro-2-Butene	50	NA	48	96	67-134
Bromobenzene	50	NA	54	108	83-112
N-Propylbenzene	50	NA	48	97	79-121
1,1,2,2-Tetrachloroethane	50	NA	49	98	68-133
1,3,5-Trimethylbenzene	50	NA	51	101	80-117
2-Chlorotoluene	50	NA	48	95	86-113
1,2,3-Trichloropropane	50	NA	50	101	63-133
4-Chlorotoluene	50	NA	51	102	84-117
tert-Butylbenzene	50	NA	49	98	78-122
Pentachloroethane	50	NA	51	101	64-135
1,2,4-Trimethylbenzene	50	NA	49	98	78-116
P-Isopropyltoluene	50	NA	49	99	79-123
1,3-Dichlorobenzene	50	NA	54	108	86-111
1,4-Dichlorobenzene	50	NA	51	101	78-118
N-Butylbenzene	50	NA	49	98	76-119
sec-Butylbenzene	50	NA	48	95	77-121
1,2-Dichlorobenzene	50	NA	55	111	86-113
1,2-Dibromo-3-Chloropropane	50	NA	50	100	63-133
1,3,5-Trichlorobenzene	50	NA	54	108	84-118
Hexachlorobutadiene	50	NA	48	97	70-114

KATAHDIN ANALYTICAL SERVICES
LAB CONTROL SAMPLE

Client:
Project: CTO 426 NLON
PO No:
Sample Date:
Received Date:
Extraction Date:
Analysis Date: 06/23/08
Report Date: 06/25/2008
Matrix: WATER

Lab ID: WG52797-1
Client ID: WG52797-LCS
SDG: CTO426-4
Extracted by:
Extraction Method: SW846 5030
Analyst: TTC
Analysis Method: SW846 8260B
Lab Prep Batch: WG52797
Units: ug/l

COMPOUND	LCS SPIKE	SAMPLE CONC.	LCS CONC.	%REC.	QC. LIMITS
1,2,4-Trichlorobenzene	50	NA	54	109	74-116
1,2,3-Trimethylbenzene	50	NA	54	108	85-124
Naphthalene	50	NA	48	95	64-121
1,2,3-Trichlorobenzene	50	NA	47	94	73-117
Methyl Acetate	50	NA	53	106	52-142
Methylcyclohexane	50	NA	48	95	83-125
1-Chlorohexane	50	NA	50	101	78-128
Total Alkylbenzenes	350	NA	343	98	60-140

FORM 4
VOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE ID

WG52726-BLANK

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 426 NLON SDG No.: CTO426-4

Lab File ID: F0997 Lab Sample ID: WG52726-2

Date Analyzed: ~~01/01/90~~ 06/20/08 SKT 062508 Time Analyzed: ~~0536~~ 11:27

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) N

Instrument ID: GCMS-F

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	WG52726-LCS	WG52726-1	F0995	06/20/08 ~~01/01/90~~	~~0424~~ 10:15
02	AWDSWPZ203A20080610	SB3102-5	F1011	~~01/01/90~~	~~1258~~ 18:49
03			SKT 062508		
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COMMENTS:

FORM IVVOA

FORM 4
VOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE ID

WG52797-BLANK

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 426 NLON SDG No.: CTO426-4

Lab File ID: F1021 Lab Sample ID: WG52797-2

Date Analyzed: 06/23/08 Time Analyzed: 1212

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) N

Instrument ID: GCMS-F

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	WG52797-LCS	WG52797-1	F1019	06/23/08	1054
02	AWDTB061108	SB3102-8	F1028	06/23/08	1559
03	AWDSWDUP0120080611	SB3102-7	F1029	06/23/08	1629
04	AWDSWSW120080611	SB3102-6	F1030	06/23/08	1700
05					
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COMMENTS:

FORM IVVOA

FORM 5
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 426 NLON SDG No.: CTO426-4

Lab File ID: FB961 BFB Injection Date: 06/19/08

Instrument ID: GCMS-F BFB Injection Time: 1141

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	20.2
75	30.0 - 60.0% of mass 95	43.0
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	7.3
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	Greater than 50.0% of mass 95	84.2
175	5.0 - 9.0% of mass 174	6.9 (8.2)1
176	95.0 - 101.0% of mass 174	81.4 (96.7)1
177	5.0 - 9.0% of mass 176	5.1 (6.3)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01		VSTD200F19A	F0982	06/19/08	1211
02		VSTD100F19A	F0983	06/19/08	1242
03		VSTD050F19A	F0984	06/19/08	1313
04		VSTD020F19A	F0985	06/19/08	1343
05		VSTD005F19A	F0986	06/19/08	1414
06		VSTD001F19A	F0987	06/19/08	1445
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FORM V VOA

FORM 5
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 426 NLON SDG No.: CTO426-4

Lab File ID: FB962 BFB Injection Date: ~~01/01/90~~ 062008 SKJ 062508

Instrument ID: GCMS-F BFB Injection Time: ~~0309~~ 09:00

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	16.8
75	30.0 - 60.0% of mass 95	41.7
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	8.3
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	Greater than 50.0% of mass 95	109.9
175	5.0 - 9.0% of mass 174	9.0 (8.2)1
176	95.0 - 101.0% of mass 174	107.2 (97.6)1
177	5.0 - 9.0% of mass 176	7.4 (6.9)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01		VSTD050F20A	F0994	06/20/08 ~~01/01/90~~	~~0332~~ 09:23
02	WG52726-LCS	WG52726-1	F0995	~~01/01/90~~	~~0424~~ 10:15
03	WG52726-BLANK	WG52726-2	F0997	~~01/01/90~~	~~0536~~ 11:27
04	AWDSWPZ203A20080610	SB3102-5	F1011	~~01/01/90~~	~~1258~~ 18:49
05				SKJ 062508	
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FORM V VOA

FORM 5
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 426 NLON SDG No.: CTO426-4

Lab File ID: FB963 BFB Injection Date: 06/23/08

Instrument ID: GCMS-F BFB Injection Time: 0947

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	19.1
75	30.0 - 60.0% of mass 95	39.6
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	7.0
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	Greater than 50.0% of mass 95	100.7
175	5.0 - 9.0% of mass 174	8.0 (8.0)1
176	95.0 - 101.0% of mass 174	99.4 (98.8)1
177	5.0 - 9.0% of mass 176	7.0 (7.1)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01		VSTD050F23A	F1018	06/23/08	1010
02	WG52797-LCS	WG52797-1	F1019	06/23/08	1054
03	WG52797-BLANK	WG52797-2	F1021	06/23/08	1212
04	AWDTB061108	SB3102-8	F1028	06/23/08	1559
05	AWDSWDUP0120080611	SB3102-7	F1029	06/23/08	1629
06	AWDSWSW120080611	SB3102-6	F1030	06/23/08	1700
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FORM V VOA

FORM 6
VOLATILE INITIAL CALIBRATION DATA

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project CTO 426 NLON SDG No.: CTO426-4

Instrument ID: GCMS-F Calibration Date(s): 06/19/08 06/19/08

Column: RTX-VMS ID: 0.18 (mm) Calibration Time(s): 1211 1445

LAB FILE ID: RF1: F0987 RF5: F0986 RF20: F0985
RF50: F0984 RF100: F0983 RF200: F0982

COMPOUND	RF1	RF5	RF20	RF50	RF100	RF200	CURVE	COEFFICENTS A0	COEFFICENTS A1	%RSD OR R^2	MAX %RSD OR R^2	
Methyl tert-butyl ether	1.164	1.475	1.538	1.563	1.602	1.623	AVRG		1.49439541	11.364	15.000	
Benzene	1.179	1.392	1.432	1.300	1.312	1.504	AVRG		1.35313868	8.460	15.000	
Toluene	0.566	0.816	0.853	0.798	0.784	0.925	AVRG		0.79042515	15.295	15.000	<-
Ethylbenzene	0.436	0.519	0.527	0.485	0.497	0.548	AVRG		0.50204307	7.866	15.000	
Xylenes (total)							AVRG				0.000	
m+p-Xylenes	0.454	0.624	0.664	0.627	0.638	0.700	AVRG		0.61789480	13.768	15.000	
o-Xylene	3384	25956	123890	310000	648560	1464100	LINR	3.986e-002	1.56416506	0.99884	0.99000	
Isopropylbenzene	6202	55779	249470	659400	1317000	3050800	LINR	6.053e-002	0.33569297	0.99625	0.99000	
Naphthalene	3570	22302	118270	338860	681400	1258100	LINR	-1.25e-002	0.79261650	0.99726	0.99000	
Dibromofluoromethane	0.568	0.598	0.564	0.544	0.585	0.601	AVRG		0.57651959	3.837	15.000	
1,2-Dichloroethane-D4	0.808	0.771	0.716	0.669	0.709	0.743	AVRG		0.73588828	6.685	15.000	
Toluene-D8	0.902	1.196	1.248	1.237	1.327	1.431	AVRG		1.22357894	14.569	15.000	
P-Bromofluorobenzene	3662	25391	107650	284370	612000	1357100	LINR	6.2e-002	1.93733579	0.99700	0.99000	

Average %RSD test result.

Calculate Average %RSD: 12.51148987
Maximum Average %RSD: 15.00000000

Note: Passes Average %RSD Test.

FORM VI VOA

FORM 7B
VOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 426 NLON SDG No.: CTO426-4 SJC 062508

Instrument ID: GCMS-F Calibration Date: ~~01/01/90~~ 06/20/08 Time: ~~0332~~ 09:23

Lab File ID: F0994 Init. Calib. Date(s): 06/19/08 06/19/08

Init. Calib. Times: 1211 1445

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	
Methyl tert-butyl ether	1.4940000	1.6770000	1.6770000	0.01	12.25		AVRG	
Benzene	1.3530000	1.4485000	1.4485000	0.01	7.06		AVRG	
Toluene	0.7900000	0.8822500	0.8822500	0.01	11.68	20.00	AVRG	
Ethylbenzene	0.5020000	0.5246600	0.5246600	0.01	4.51	20.00	AVRG	
Xylenes (total)	0.0000000	0.6599400	0.6599400	0.01	0.00		AVRG	<-
m+p-Xylenes	0.6180000	0.6859800	0.6859800	0.01	11.00		AVRG	
o-Xylene	49.531000	50.000000	0.6078400	0.01	-0.94		LINR	
Isopropylbenzene	49.115000	50.000000	2.7459000	0.01	-1.77		LINR	
Naphthalene	54.068000	50.000000	1.3800000	0.01	8.14		LINR	
Dibromofluoromethane	0.5770000	0.5372700	0.5372700	0.01	-6.88		AVRG	
1,2-Dichloroethane-D4	0.7360000	0.6887000	0.6887000	0.01	-6.43		AVRG	
Toluene-D8	1.2240000	1.2042000	1.2042000	0.01	-1.62		AVRG	
P-Bromofluorobenzene	46.427000	50.000000	0.4472800	0.01	-7.15		LINR	

FORM VII VOA

FORM 7B
VOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 426 NLON SDG No.: CTO426-4

Instrument ID: GCMS-F Calibration Date: 06/23/08 Time: 1010

Lab File ID: F1018 Init. Calib. Date(s): 06/19/08 06/19/08

Init. Calib. Times: 1211 1445

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	
Methyl tert-butyl ether	1.4940000	1.5623000	1.5623000	0.01	4.57		AVRG	
Benzene	1.3530000	1.3709000	1.3709000	0.01	1.32		AVRG	
Toluene	0.7900000	0.8251200	0.8251200	0.01	4.44	20.00	AVRG	
Ethylbenzene	0.5020000	0.4991800	0.4991800	0.01	-0.56	20.00	AVRG	
Xylenes (total)	0.0000000	0.6400100	0.6400100	0.01	0.00		AVRG	<-
m+p-Xylenes	0.6180000	0.6587300	0.6587300	0.01	6.59		AVRG	
o-Xylene	49.119000	50.000000	0.6025700	0.01	-1.76		LINR	
Isopropylbenzene	49.492000	50.000000	2.7684000	0.01	-1.02		LINR	
Naphthalene	40.204000	50.000000	1.0302000	0.01	-19.59		LINR	
Dibromofluoromethane	0.5770000	0.5245300	0.5245300	0.01	-9.09		AVRG	
1,2-Dichloroethane-D4	0.7360000	0.6699700	0.6699700	0.01	-8.97		AVRG	
Toluene-D8	1.2240000	1.1545000	1.1545000	0.01	-5.68		AVRG	
P-Bromofluorobenzene	49.265000	50.000000	0.4765800	0.01	-1.47		LINR	

FORM VII VOA

FORM 8
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 426 NLON SDG No.: CTO426-4

Lab File ID (Standard): F0994 Date Analyzed: ~~01/01/90~~ 06/20/08 X SKT 062508

Instrument ID: GCMS-F Time Analyzed: ~~0332~~ 09:23

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) N

		IS1(PFB) AREA #	RT #	IS2(DFB) AREA #	RT #	IS3(CBZ) AREA #	RT #
12 HOUR STD		350411	8.51	578301	9.34	493926	12.85
UPPER LIMIT		700822	9.01	1156602	9.84	987852	13.35
LOWER LIMIT		175206	8.01	289151	8.84	246963	12.35
CLIENT SAMPLE ID	LAB SAMPLE ID						
01 WG52726-LCS	WG52726-1	348922	8.53	592789	9.35	486200	12.85
02 WG52726-BLANK	WG52726-2	287159	8.53	504431	9.35	426725	12.86
03 AWDSWPZ203A20080610	SB3102-5	283579	8.51	494821	9.35	413406	12.85
04							
05							
06							
07							
08							
09							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							

IS1 (PFB) = Pentafluorobenzene
IS2 (DFB) = 1,4-Difluorobenzene
IS3 (CBZ) = Chlorobenzene-D5

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

FORM VIII VOA

FORM 8
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 426 NLON SDG No.: CTO426-4

Lab File ID (Standard): F0994 Date Analyzed: ~~01/01/90~~ 06/20/08 SKT 062508

Instrument ID: GCMS-F Time Analyzed: ~~0332~~ 09:23

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) N

		IS4(DCB) AREA #	RT #	AREA #	RT #	AREA #	RT #
12 HOUR STD		230200	15.98				
UPPER LIMIT		460400	16.48				
LOWER LIMIT		115100	15.48				
CLIENT SAMPLE ID	LAB SAMPLE ID						
01 WG52726-LCS	WG52726-1	228015	15.98				
02 WG52726-BLANK	WG52726-2	182947	15.98				
03 AWDSWPZ203A20080610	SB3102-5	173372	15.98				
04							
05							
06							
07							
08							
09							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							

IS4 (DCB) = 1,4-Dichlorobenzene-D4

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

FORM VIII VOA

FORM 8
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 426 NLON SDG No.: CTO426-4

Lab File ID (Standard): F1018 Date Analyzed: 06/23/08

Instrument ID: GCMS-F Time Analyzed: 1010

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) N

	IS1(PFB) AREA #	RT #	IS2(DFB) AREA #	RT #	IS3(CBZ) AREA #	RT #
12 HOUR STD	343414	8.53	578408	9.35	484535	12.85
UPPER LIMIT	686828	9.03	1156816	9.85	969070	13.35
LOWER LIMIT	171707	8.03	289204	8.85	242268	12.35

	CLIENT SAMPLE ID	LAB SAMPLE ID						
01	WG52797-LCS	WG52797-1	352140	8.52	570628	9.35	486078	12.86
02	WG52797-BLANK	WG52797-2	285259	8.51	498739	9.35	421522	12.85
03	AWDTB061108	SB3102-8	284861	8.53	499305	9.36	418324	12.86
04	AWDSWDUP0120080611	SB3102-7	270699	8.53	487985	9.35	415027	12.86
05	AWDSWSW120080611	SB3102-6	272179	8.53	473823	9.36	407022	12.86
06								
07								
08								
09								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								

IS1 (PFB) = Pentafluorobenzene
IS2 (DFB) = 1,4-Difluorobenzene
IS3 (CBZ) = Chlorobenzene-D5

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

FORM VIII VOA

FORM 8
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 426 NLON SDG No.: CTO426-4

Lab File ID (Standard): F1018 Date Analyzed: 06/23/08

Instrument ID: GCMS-F Time Analyzed: 1010

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) N

	IS4(DCB) AREA #	RT #	AREA #	RT #	AREA #	RT #
12 HOUR STD	228488	15.98				
UPPER LIMIT	456976	16.48				
LOWER LIMIT	114244	15.48				

	CLIENT SAMPLE ID	LAB SAMPLE ID						
01	WG52797-LCS	WG52797-1	229835	15.98				
02	WG52797-BLANK	WG52797-2	181998	15.98				
03	AWDTB061108	SB3102-8	173041	15.98				
04	AWDSWDUP0120080611	SB3102-7	172530	15.98				
05	AWDSWSW120080611	SB3102-6	177822	15.98				
06								
07								
08								
09								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								

IS4 (DCB) = 1,4-Dichlorobenzene-D4

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

FORM VIII VOA

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 06/10/08
Received Date: 06/12/08
Extraction Date: 06/13/08
Analysis Date: 21-JUN-2008 09:55
Report Date: 07/01/2008
Matrix: WATER
% Solids: NA

Lab ID: SB3102-1
Client ID: AWDSWDUP0120080610
SDG: CTO426-4
Extracted by: KF
Extraction Method: SW846 3510
Analyst: KGT
Analysis Method: SW846 M8015B
Lab Prep Batch: WG52475
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
	Extractable TPH C9-C36		230	1.0	75	78	47
	O-Terphenyl		79%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 06/10/08
Received Date: 06/12/08
Extraction Date: 06/13/08
Analysis Date: 21-JUN-2008 10:34
Report Date: 07/01/2008
Matrix: WATER
% Solids: NA

Lab ID: SB3102-4
Client ID: AWDSWSW120080610
SDG: CTO426-4
Extracted by: KF
Extraction Method: SW846 3510
Analyst: KGT
Analysis Method: SW846 M8015B
Lab Prep Batch: WG52475
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
	Extractable TPH C9-C36		200	1.0	75	75	45
	O-Terphenyl		74%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 06/10/08
Received Date: 06/12/08
Extraction Date: 06/13/08
Analysis Date: 21-JUN-2008 11:12
Report Date: 07/01/2008
Matrix: WATER
% Solids: NA

Lab ID: SB3102-5
Client ID: AWDSWPZ203A20080610
SDG: CTO426-4
Extracted by: KF
Extraction Method: SW846 3510
Analyst: KGT
Analysis Method: SW846 M8015B
Lab Prep Batch: WG52475
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
	Extractable TPH C9-C36	U	330	1.0	75	330	200
	O-Terphenyl		70%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client:
Project: CTO 426 NLON
PO No:
Sample Date:
Received Date:
Extraction Date: 06/13/08
Analysis Date: 20-JUN-2008 15:46
Report Date: 07/01/2008
Matrix: WATER
% Solids: NA

Lab ID: WG52475-1
Client ID: WG52475-Blank
SDG: CTO426-4
Extracted by: KF
Extraction Method: SW846 3510
Analyst: KGT
Analysis Method: SW846 M8015B
Lab Prep Batch: WG52475
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
	Extractable TPH C9-C36	U	75	1.0	75	75	45
	O-Terphenyl		78%				

FORM 2
WATER DRO SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 426 NLON SDG No.: CTO426-4

	CLIENT SAMPLE ID	LAB SAMPLE ID	S1 OTP#	S2 #	S3 #	S4 #	S5 #	S6 #	S7 #	S8 #	TOT OUT
01	WG52475-BLANK	WG52475-1	78								0
02	WG52475-LCS	WG52475-2	90								0
03	AWDSWDUP0120080610	SB3102-1	79								0
04	AWDSWSW120080610	SB3102-4	74								0
05	AWDSWPZ203A20080610	SB3102-5	70								0
06											
07											
08											
09											
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11											
12											
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23											
24											
25											
26											
27											
28											

S1 (OTP) = O-Terphenyl QC LIMITS (46-116)

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

KATAHDIN ANALYTICAL SERVICES
LAB CONTROL SAMPLE

Client:
Project: CTO 426 NLON
PO No:
Sample Date:
Received Date:
Extraction Date: 06/13/08
Analysis Date: 06/20/08
Report Date: 07/01/2008
Matrix: WATER

Lab ID: WG52475-2
Client ID: WG52475-LCS
SDG: CTO426-4
Extracted by: KF
Extraction Method: SW846 3510
Analyst: KGT
Analysis Method: SW846 M8015B
Lab Prep Batch: WG52475
Units: ug/L

COMPOUND	LCS SPIKE	SAMPLE CONC.	LCS CONC.	%REC.	QC. LIMITS
Extractable TPH C9-C36	500	NA	407	81	33-135

FORM 4

SEMIVOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE ID

WG52475-BLANK

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 426 NLON SDG No.: CTO426-4

Lab File ID: ABF3040 Lab Sample ID: WG52475-1

Instrument ID: GC10 Date Extracted: 06/13/08

Matrix: (soil/water) WATER Date Analyzed: 06/20/08

Level:(low/med) LOW Time Analyzed: 1546

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	WG52475-LCS	WG52475-2	ABF3041	06/20/08	1624
02	AWDSWDUP0120080610	SB3102-1	ABF3068	06/21/08	0955
03	AWDSWSW120080610	SB3102-4	ABF3069	06/21/08	1034
04	AWDSWPZ203A20080610	SB3102-5	ABF3070	06/21/08	1112
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
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27					
28					
29					
30					

COMMENTS:

FORM IVDRO

FORM 6
DRO INITIAL CALIBRATION DATA

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project CTO 426 NLON SDG No.: CTO426-4

Instrument ID: GC10 Calibration Date(s): 04/08/08 04/08/08

Column: ZB-1 ID: 0.53 (mm) Calibration Time(s): 1420 1651

LAB FILE ID: RF5: ABD1097A RF20: ABD1096A RF50: ABD1093A
RF100: ABD1095A RF200: ABD1094A

COMPOUND	RF5	RF20	RF50	RF100	RF200	CURVE	COEFFICENTS A0	A1	%RSD OR R^2	MAX %RSD OR R^2
TPH Peaks C9-C36	456260	1909700	4544300	9497900	2e+007	LINR	-10.264417	1.54e-004	0.99937	0.99000
C-9	32386	131110	311890	653460	1248100	LINR	-0.6810611	1.595e-004	0.99943	0.99000
C-10	31005	132020	319160	664960	1274400	LINR	-0.5081632	1.561e-004	0.99951	0.99000
C-12	27211	125450	320650	673420	1279800	LINR	-0.1114423	1.548e-004	0.99923	0.99000
C-14	31425	136730	317000	672580	1282800	LINR	-0.5758226	1.551e-004	0.99933	0.99000
C-16	34123	135830	322490	673160	1282100	LINR	-0.8506545	1.553e-004	0.99938	0.99000
C-18	33247	138080	327370	683110	1300500	LINR	-0.8120776	1.53e-004	0.99936	0.99000
C-19	33132	137550	329450	685830	1302400	LINR	-0.8427309	1.527e-004	0.99930	0.99000
C-20	34097	140550	330000	691020	1316400	LINR	-0.8172681	1.512e-004	0.99936	0.99000
C-22	34304	139000	329680	685580	1308500	LINR	-0.8440508	1.522e-004	0.99943	0.99000
C-24	34078	143900	332590	683930	1304200	LINR	-1.1734825	1.529e-004	0.99940	0.99000
C-26	33545	137790	327210	674910	1278500	LINR	-1.1343041	1.557e-004	0.99925	0.99000
C-28	33967	141410	332500	687730	1311000	LINR	-0.9828310	1.52e-004	0.99940	0.99000
C-30	34330	143730	338520	702840	1348400	LINR	-0.7436945	1.478e-004	0.99954	0.99000
C-36	29401	126510	305840	665380	1256300	LINR	-0.1392394	1.577e-004	0.99895	0.99000
O-Terphenyl	15561	61620	145870	300120	574940	LINR	-0.3931122	1.387e-004	0.99953	0.99000

FORM VI DRO

.eport Date : 15-Apr-2008 13:00

Katahdin Analytical Services

INITIAL CALIBRATION DATA

tart Cal Date : 08-APR-2008 14:20
nd Cal Date : 08-APR-2008 16:51
uant Method : ESTD
rigin : Included
arget Version : 4.12
ntegrator : HP Genie
ethod file : \\target_server\GG\chem\gc10.i\GC10BD08A1.b\tpha021a.m
al Date : 09-Apr-2008 13:33 jprescott

alibration File Names:
evel 1: \\target_server\GG\chem\gc10.i\GC10BD08A1.b\ABD1097a.d
evel 2: \\target_server\GG\chem\gc10.i\GC10BD08A1.b\ABD1096a.d
evel 3: \\target_server\GG\chem\gc10.i\GC10BD08A1.b\ABD1093a.d
evel 4: \\target_server\GG\chem\gc10.i\GC10BD08A1.b\ABD1095a.d
evel 5: \\target_server\GG\chem\gc10.i\GC10BD08A1.b\ABD1094a.d

Compound	5.0000 Level 1	20.0000 Level 2	50.0000 Level 3	100.0000 Level 4	200.0000 Level 5	Curve	Coefficients b	m1	m2	%RSD or R^2	
1 TPH Peaks C9-C36	456258	1909678	4544345	9497893	18093636	LINR	-10.26442	6496		0.99937	
32 TPH-Product	+++++	+++++	+++++	+++++	+++++	LINR	0.000e+000	0.000e+000		0.000e+000	<-
2 C-9	32386	131110	311889	653463	1248126	LINR	-0.68106	6270		0.99943	
C-10	31005	132023	319159	664959	1274452	LINR	-0.50816	6406		0.99951	
C-12	27211	125454	320651	673418	1279795	LINR	-0.11144	6459		0.99923	
C-14	31425	136733	317002	672581	1282836	LINR	-0.57582	6449		0.99933	
C-16	34123	135830	322487	673159	1282135	LINR	-0.85065	6440		0.99938	
C-18	33247	138080	327374	683107	1300537	LINR	-0.81208	6535		0.99936	
C-19	33132	137554	329450	685829	1302420	LINR	-0.84273	6547		0.99930	
Extractable TPH C9-C36	456258	1909678	4544354	9497893	18093636	LINR	-10.26469	6496		0.99937	
C-20	34097	140554	330004	691018	1316403	LINR	-0.81727	6612		0.99936	
C-22	34304	139004	329681	685575	1308489	LINR	-0.84405	6570		0.99943	
C-24	34078	143901	332588	683933	1304227	LINR	-1.17348	6540		0.99940	
C-26	33545	137787	327206	674908	1278460	LINR	-1.13430	6422		0.99925	
C-28	33967	141407	332501	687730	1311034	LINR	-0.98283	6581		0.99940	

eport Date : 15-Apr-2008 13:00

Katahdin Analytical Services

INITIAL CALIBRATION DATA

art Cal Date : 08-APR-2008 14:20
d Cal Date : 08-APR-2008 16:51
ant Method : ESTD
igin : Included
rget Version : 4.12
tegrator : HP Genie
thod file : \\target_server\GG\chem\gc10.i\GC10BD08A1.b\tpha021a.m
l Date : 09-Apr-2008 13:33 jprescott

Compound	5.0000 Level 1	20.0000 Level 2	50.0000 Level 3	100.0000 Level 4	200.0000 Level 5	Curve	Coefficients b	m1	m2	%RSD or R^2
16 C-30	34330	143726	338516	702836	1348413	LINR	-0.74369	6767		0.99954
17 C-36	29401	126507	305837	665377	1256309	LINR	-0.13924	6342		0.99895
8 O-Terphenyl	15561	61620	145866	300124	574935	LINR	-0.39311	7207		0.99953

Sample Data Summary A0000037

eport Date : 15-Apr-2008 13:00

Katahdin Analytical Services

INITIAL CALIBRATION DATA

tart Cal Date : 08-APR-2008 14:20
nd Cal Date : 08-APR-2008 16:51
uant Method : ESTD
rigin : Included
arget Version : 4.12
ntegrator : HP Genie
ethod file : \\target_server\GG\chem\gc10.i\GC10BD08A1.b\tpha021a.m
al Date : 09-Apr-2008 13:33 jprescott

Curve	Formula	Units
Linear	Amt = b + Rsp/ml	Response

Sample Data Summary A0000038

FORM 7B
SEMIVOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 426 NLON SDG No.: CTO426-4

Instrument ID: GC10 Calibration Date: 04/08/08 Time: 1729

Lab File ID: ABD1098A Init. Calib. Date(s): 04/08/08 04/08/08

Init. Calib. Times: 1420 1651

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-10	47.982000	50.000000	6212.0000	0.01	-4.04	20.00	LINR
C-12	49.926000	50.000000	6464.1000	0.01	-0.15	20.00	LINR
C-14	48.222000	50.000000	6293.8000	0.01	-3.56	20.00	LINR
C-16	49.240000	50.000000	6451.3000	0.01	-1.52	20.00	LINR
C-18	49.344000	50.000000	6555.0000	0.01	-1.31	20.00	LINR
C-20	47.780000	50.000000	6427.0000	0.01	-4.44	20.00	LINR
C-22	49.249000	50.000000	6582.3000	0.01	-1.50	20.00	LINR
C-24	49.240000	50.000000	6594.6000	0.01	-1.52	20.00	LINR
C-26	50.386000	50.000000	6617.2000	0.01	0.77	20.00	LINR
C-28	44.499000	50.000000	5986.2000	0.01	-11.00	20.00	LINR

FORM VII DRO

FORM 7B
SEMIVOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 426 NLON SDG No.: CTO426-4

Instrument ID: GC10 Calibration Date: 06/20/08 Time: 1353

Lab File ID: ABF3039 Init. Calib. Date(s): 04/08/08 04/08/08

Init. Calib. Times: 1420 1651

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
TPH Peaks C9-C36	720.13000	700.00000	6776.7000	0.01	2.88	20.00	LINR
C-9	53.013000	50.000000	6733.5000	0.01	6.03	20.00	LINR
C-10	55.472000	50.000000	7171.6000	0.01	10.94	20.00	LINR
C-12	52.295000	50.000000	6770.1000	0.01	4.59	20.00	LINR
C-14	52.470000	50.000000	6841.6000	0.01	4.94	20.00	LINR
C-16	51.975000	50.000000	6803.6000	0.01	3.95	20.00	LINR
C-18	50.856000	50.000000	6752.6000	0.01	1.71	20.00	LINR
C-19	51.129000	50.000000	6805.6000	0.01	2.26	20.00	LINR
C-20	51.690000	50.000000	6943.9000	0.01	3.38	20.00	LINR
C-22	51.801000	50.000000	6917.7000	0.01	3.60	20.00	LINR
C-24	51.266000	50.000000	6859.6000	0.01	2.53	20.00	LINR
C-26	51.764000	50.000000	6794.1000	0.01	3.53	20.00	LINR
C-28	51.150000	50.000000	6861.7000	0.01	2.30	20.00	LINR
C-30	49.369000	50.000000	6782.3000	0.01	-1.26	20.00	LINR
C-36	45.878000	50.000000	5836.5000	0.01	-8.24	20.00	LINR
O-Terphenyl	21.147000	20.000000	7762.4000	0.01	5.74	20.00	LINR

FORM VII DRO

FORM 7B
SEMIVOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 426 NLON SDG No.: CTO426-4

Instrument ID: GC10 Calibration Date: 06/20/08 Time: 2330

Lab File ID: ABF3052 Init. Calib. Date(s): 04/08/08 04/08/08

Init. Calib. Times: 1420 1651

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
TPH Peaks C9-C36	256.94000	280.00000	6196.1000	0.01	-8.24	20.00	LINR
C-9	19.598000	20.000000	6357.6000	0.01	-2.01	20.00	LINR
C-10	21.310000	20.000000	6987.8000	0.01	6.55	20.00	LINR
C-12	19.407000	20.000000	6303.8000	0.01	-2.96	20.00	LINR
C-14	18.740000	20.000000	6228.4000	0.01	-6.30	20.00	LINR
C-16	18.261000	20.000000	6153.6000	0.01	-8.70	20.00	LINR
C-18	17.787000	20.000000	6076.8000	0.01	-11.06	20.00	LINR
C-19	17.925000	20.000000	6144.0000	0.01	-10.38	20.00	LINR
C-20	18.923000	20.000000	6526.5000	0.01	-5.38	20.00	LINR
C-22	18.126000	20.000000	6231.6000	0.01	-9.37	20.00	LINR
C-24	17.646000	20.000000	6154.5000	0.01	-11.77	20.00	LINR
C-26	17.786000	20.000000	6075.2000	0.01	-11.07	20.00	LINR
C-28	17.591000	20.000000	6111.6000	0.01	-12.04	20.00	LINR
C-30	17.224000	20.000000	6079.5000	0.01	-13.88	20.00	LINR
C-36	16.620000	20.000000	5314.0000	0.01	-16.90	20.00	LINR
O-Terphenyl	7.5016000	8.0000000	7112.5000	0.01	-6.23	20.00	LINR

FORM VII DRO

FORM 7B
SEMIVOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 426 NLON SDG No.: CTO426-4

Instrument ID: GC10 Calibration Date: 06/21/08 Time: 0836

Lab File ID: ABF3066 Init. Calib. Date(s): 04/08/08 04/08/08

Init. Calib. Times: 1420 1651

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
TPH Peaks C9-C36	655.73000	700.00000	6178.4000	0.01	-6.32	20.00	LINR
C-9	49.091000	50.000000	6241.7000	0.01	-1.82	20.00	LINR
C-10	50.882000	50.000000	6583.6000	0.01	1.76	20.00	LINR
C-12	49.026000	50.000000	6347.8000	0.01	-1.95	20.00	LINR
C-14	47.977000	50.000000	6262.1000	0.01	-4.05	20.00	LINR
C-16	47.301000	50.000000	6201.6000	0.01	-5.40	20.00	LINR
C-18	46.178000	50.000000	6141.3000	0.01	-7.64	20.00	LINR
C-19	46.370000	50.000000	6182.5000	0.01	-7.26	20.00	LINR
C-20	46.534000	50.000000	6262.2000	0.01	-6.93	20.00	LINR
C-22	46.434000	50.000000	6212.4000	0.01	-7.13	20.00	LINR
C-24	46.115000	50.000000	6185.7000	0.01	-7.77	20.00	LINR
C-26	46.288000	50.000000	6090.8000	0.01	-7.42	20.00	LINR
C-28	45.736000	50.000000	6149.1000	0.01	-8.53	20.00	LINR
C-30	45.074000	50.000000	6200.9000	0.01	-9.85	20.00	LINR
C-36	42.725000	50.000000	5436.6000	0.01	-14.55	20.00	LINR
O-Terphenyl	18.976000	20.000000	6980.0000	0.01	-5.12	20.00	LINR

FORM VII DRO

FORM 7B
SEMIVOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 426 NLON SDG No.: CTO426-4

Instrument ID: GC10 Calibration Date: 06/21/08 Time: 1230

Lab File ID: ABF3072 Init. Calib. Date(s): 04/08/08 04/08/08

Init. Calib. Times: 1420 1651

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
TPH Peaks C9-C36	262.66000	280.00000	6326.9000	0.01	-6.19	20.00	LINR
C-9	22.028000	20.000000	7119.6000	0.01	10.14	20.00	LINR
C-10	21.689000	20.000000	7109.4000	0.01	8.44	20.00	LINR
C-12	19.497000	20.000000	6332.6000	0.01	-2.52	20.00	LINR
C-14	19.012000	20.000000	6316.0000	0.01	-4.94	20.00	LINR
C-16	18.483000	20.000000	6225.2000	0.01	-7.58	20.00	LINR
C-18	18.015000	20.000000	6151.5000	0.01	-9.92	20.00	LINR
C-19	18.188000	20.000000	6230.2000	0.01	-9.06	20.00	LINR
C-20	18.729000	20.000000	6462.5000	0.01	-6.36	20.00	LINR
C-22	18.319000	20.000000	6295.2000	0.01	-8.40	20.00	LINR
C-24	18.074000	20.000000	6294.5000	0.01	-9.63	20.00	LINR
C-26	17.964000	20.000000	6132.3000	0.01	-10.18	20.00	LINR
C-28	17.935000	20.000000	6224.9000	0.01	-10.32	20.00	LINR
C-30	17.629000	20.000000	6216.6000	0.01	-11.86	20.00	LINR
C-36	17.100000	20.000000	5466.4000	0.01	-14.50	20.00	LINR
O-Terphenyl	7.5696000	8.0000000	7173.8000	0.01	-5.38	20.00	LINR

FORM VII DRO

FORM 8
DRO ANALYTICAL SEQUENCE

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 426 NLON SDG No.: CTO426-4

GC Column: ZB-1 ID: 0.53 (mm) Init. Calib. Date(s): 04/08/08 04/08/08

Instrument ID: GC10

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION
S1 : 12.56

	CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	S1 RT #	RT #
01		PHC 50UG/ML	04/08/08	1420	12.56	
02		PHC 200UG/ML	04/08/08	1458	12.57	
03		PHC 100UG/ML	04/08/08	1535	12.56	
04		PHC 20UG/ML	04/08/08	1613	12.56	
05		PHC 5UG/ML	04/08/08	1651	12.55	
06		PHC IND	04/08/08	1729		
07		PHC 50UG/ML	06/20/08	1353	12.47	
08	WG52475-BLAN	WG52475-1	06/20/08	1546	12.46	
09	WG52475-LCS	WG52475-2	06/20/08	1624	12.46	
10		PHC 20UG/ML	06/20/08	2330	12.44	
11		PHC 50UG/ML	06/21/08	0836	12.44	
12	AWDSWDUP0120	SB3102-1	06/21/08	0955	12.44	
13	AWDSWSW12008	SB3102-4	06/21/08	1034	12.44	
14	AWDSWPZ203A2	SB3102-5	06/21/08	1112	12.44	
15		PHC 20UG/ML	06/21/08	1230	12.45	
16						
17						
18						
19						
20						

S1 = O-Terphenyl QC LIMITS (+/- 0.38 MINUTES)

Column used to flag retention time values with an asterisk.
* Values outside of QC limits.

FORM VIII DRO

VOLATILES DATA

QC Summary Section

FORM 2
WATER VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 426 NLON SDG No.: CTO426-4

	CLIENT SAMPLE ID	LAB SAMPLE ID	SMC1 DBF#	SMC2 DCA#	SMC3 TOL#	SMC4 BFB#	TOT OUT
01	WG52726-LCS	WG52726-1	93	91	98	95	0
02	WG52726-BLANK	WG52726-2	100	101	101	94	0
03	AWDSWPZ203A20080610	SB3102-5	102	106	100	94	0
04	WG52797-LCS	WG52797-1	87	88	97	100	0
05	WG52797-BLANK	WG52797-2	98	98	97	98	0
06	AWDTB061108	SB3102-8	99	102	100	93	0
07	AWDSWDUP0120080611	SB3102-7	100	101	100	95	0
08	AWDSWSW120080611	SB3102-6	99	104	100	98	0
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		QC LIMITS
SMC1 (DBF)	= Dibromofluoromethane	(76-114)
SMC2 (DCA)	= 1,2-Dichloroethane-D4	(71-128)
SMC3 (TOL)	= Toluene-D8	(74-117)
SMC4 (BFB)	= P-Bromofluorobenzene	(67-127)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D System Monitoring Compound diluted out

Katahdin Analytical Services 1000003

FORM 4
VOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE ID

WG52726-BLANK

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 426 NLON SDG No.: CTO426-4

Lab File ID: F0997 Lab Sample ID: WG52726-2

Date Analyzed: ~~01/01/90~~ 06/20/08 SKT 062508 Time Analyzed: ~~0536~~ 1127

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) N

Instrument ID: GCMS-F

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	WG52726-LCS	WG52726-1	F0995	~~01/01/90~~ 062008	~~0424~~ 10:15
02	AWDSWPZ203A20080610	SB3102-5	F1011	~~01/01/90~~ ↓	~~1258~~ 18:49
03				SKT 062508	
04					
05					
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07					
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30					

COMMENTS:

FORM IVVOA

FORM 4
VOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE ID

WG52797-BLANK

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 426 NLON SDG No.: CTO426-4

Lab File ID: F1021 Lab Sample ID: WG52797-2

Date Analyzed: 06/23/08 Time Analyzed: 1212

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) N

Instrument ID: GCMS-F

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	WG52797-LCS	WG52797-1	F1019	06/23/08	1054
02	AWDTB061108	SB3102-8	F1028	06/23/08	1559
03	AWDSWDUP0120080611	SB3102-7	F1029	06/23/08	1629
04	AWDSWSW120080611	SB3102-6	F1030	06/23/08	1700
05					
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07					
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30					

COMMENTS:

FORM IVVOA

FORM 5
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 426 NLON SDG No.: CTO426-4

Lab File ID: FB961 BFB Injection Date: 06/19/08

Instrument ID: GCMS-F BFB Injection Time: 1141

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	20.2
75	30.0 - 60.0% of mass 95	43.0
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	7.3
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	Greater than 50.0% of mass 95	84.2
175	5.0 - 9.0% of mass 174	6.9 (8.2)1
176	95.0 - 101.0% of mass 174	81.4 (96.7)1
177	5.0 - 9.0% of mass 176	5.1 (6.3)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01		VSTD200F19A	F0982	06/19/08	1211
02		VSTD100F19A	F0983	06/19/08	1242
03		VSTD050F19A	F0984	06/19/08	1313
04		VSTD020F19A	F0985	06/19/08	1343
05		VSTD005F19A	F0986	06/19/08	1414
06		VSTD001F19A	F0987	06/19/08	1445
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FORM V VOA

FORM 5
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 426 NLON SDG No.: CTO426-4

Lab File ID: FB962 BFB Injection Date: ~~01/01/90~~ 06/20/08

Instrument ID: GCMS-F BFB Injection Time: ~~0309~~ 09:00

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	16.8
75	30.0 - 60.0% of mass 95	41.7
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	8.3
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	Greater than 50.0% of mass 95	109.9
175	5.0 - 9.0% of mass 174	9.0 (8.2)1
176	95.0 - 101.0% of mass 174	107.2 (97.6)1
177	5.0 - 9.0% of mass 176	7.4 (6.9)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01		VSTD050F20A	F0994	~~01/01/90~~	~~0332~~ 09:23
02	WG52726-LCS	WG52726-1	F0995	01/01/90	0424 10:15
03	WG52726-BLANK	WG52726-2	F0997	01/01/90	0536 ~~10:57~~ 11:27
04	AWDSWPZ203A20080610	SB3102-5	F1011	~~01/01/90~~	~~1258~~ 18:49
05				062008	
06				SKT 062508	
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FORM V VOA

FORM 5
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 426 NLON SDG No.: CTO426-4

Lab File ID: FB963 BFB Injection Date: 06/23/08

Instrument ID: GCMS-F BFB Injection Time: 0947

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	19.1
75	30.0 - 60.0% of mass 95	39.6
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	7.0
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	Greater than 50.0% of mass 95	100.7
175	5.0 - 9.0% of mass 174	8.0 (8.0)1
176	95.0 - 101.0% of mass 174	99.4 (98.8)1
177	5.0 - 9.0% of mass 176	7.0 (7.1)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01		VSTD050F23A	F1018	06/23/08	1010
02	WG52797-LCS	WG52797-1	F1019	06/23/08	1054
03	WG52797-BLANK	WG52797-2	F1021	06/23/08	1212
04	AWDTB061108	SB3102-8	F1028	06/23/08	1559
05	AWDSWDUP0120080611	SB3102-7	F1029	06/23/08	1629
06	AWDSWSW120080611	SB3102-6	F1030	06/23/08	1700
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FORM V VOA

FORM 8
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 426 NLON SDG No.: CTO426-4

Lab File ID (Standard): F0994 Date Analyzed: ~~01/01/90~~ 06/20/08

Instrument ID: GCMS-F Time Analyzed: ~~0332~~ 09:23 SKT 062508

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) N

		IS1(PFB) AREA #	RT #	IS2(DFB) AREA #	RT #	IS3(CBZ) AREA #	RT #
12 HOUR STD		350411	8.51	578301	9.34	493926	12.85
UPPER LIMIT		700822	9.01	1156602	9.84	987852	13.35
LOWER LIMIT		175206	8.01	289151	8.84	246963	12.35
CLIENT SAMPLE ID	LAB SAMPLE ID						
01 WG52726-LCS	WG52726-1	348922	8.53	592789	9.35	486200	12.85
02 WG52726-BLANK	WG52726-2	287159	8.53	504431	9.35	426725	12.86
03 AWDSWPZ203A20080610	SB3102-5	283579	8.51	494821	9.35	413406	12.85
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19							
20							

IS1 (PFB) = Pentafluorobenzene
IS2 (DFB) = 1,4-Difluorobenzene
IS3 (CBZ) = Chlorobenzene-D5

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

FORM 8
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 426 NLON SDG No.: CTO426-4

Lab File ID (Standard): F0994 Date Analyzed: ~~01/01/90~~ 06/20/08

Instrument ID: GCMS-F Time Analyzed: 0332 SKJ 062508

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) N

		IS4(DCB) AREA #	RT #	AREA #	RT #	AREA #	RT #
12 HOUR STD		230200	15.98				
UPPER LIMIT		460400	16.48				
LOWER LIMIT		115100	15.48				
CLIENT SAMPLE ID	LAB SAMPLE ID						
01 WG52726-LCS	WG52726-1	228015	15.98				
02 WG52726-BLANK	WG52726-2	182947	15.98				
03 AWDSWPZ203A20080610	SB3102-5	173372	15.98				
04							
05							
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20							

IS4 (DCB) = 1,4-Dichlorobenzene-D4

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

FORM VIII VOA

FORM 8
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 426 NLON SDG No.: CTO426-4

Lab File ID (Standard): F1018 Date Analyzed: 06/23/08

Instrument ID: GCMS-F Time Analyzed: 1010

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) N

		IS1(PFB) AREA #	RT #	IS2(DFB) AREA #	RT #	IS3(CBZ) AREA #	RT #
12 HOUR STD		343414	8.53	578408	9.35	484535	12.85
UPPER LIMIT		686828	9.03	1156816	9.85	969070	13.35
LOWER LIMIT		171707	8.03	289204	8.85	242268	12.35
CLIENT SAMPLE ID	LAB SAMPLE ID						
01 WG52797-LCS	WG52797-1	352140	8.52	570628	9.35	486078	12.86
02 WG52797-BLANK	WG52797-2	285259	8.51	498739	9.35	421522	12.85
03 AWDTB061108	SB3102-8	284861	8.53	499305	9.36	418324	12.86
04 AWDSWDUP0120080611	SB3102-7	270699	8.53	487985	9.35	415027	12.86
05 AWDSWSW120080611	SB3102-6	272179	8.53	473823	9.36	407022	12.86
06							
07							
08							
09							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							

IS1 (PFB) = Pentafluorobenzene
IS2 (DFB) = 1,4-Difluorobenzene
IS3 (CBZ) = Chlorobenzene-D5

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

FORM VIII VOA

FORM 8
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 426 NLON SDG No.: CTO426-4

Lab File ID (Standard): F1018 Date Analyzed: 06/23/08

Instrument ID: GCMS-F Time Analyzed: 1010

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) N

		IS4 (DCB) AREA #	RT #	AREA #	RT #	AREA #	RT #
12 HOUR STD		228488	15.98				
UPPER LIMIT		456976	16.48				
LOWER LIMIT		114244	15.48				
CLIENT SAMPLE ID	LAB SAMPLE ID						
01 WG52797-LCS	WG52797-1	229835	15.98				
02 WG52797-BLANK	WG52797-2	181998	15.98				
03 AWDTB061108	SB3102-8	173041	15.98				
04 AWDSWDUP0120080611	SB3102-7	172530	15.98				
05 AWDSWSW120080611	SB3102-6	177822	15.98				
06							
07							
08							
09							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							

IS4 (DCB) = 1,4-Dichlorobenzene-D4

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

Sample Data Section

KATAHDIN ANALYTICAL SERVICES - ORGANIC DATA QUALIFIERS

U Indicates the compound was analyzed for but not detected above the laboratory Practical Quantitation Limit.

* Compound recovery outside of quality control limits.

D Indicates the result was obtained from analysis of a diluted sample. Surrogate recoveries may not be calculable.

E Estimated value. This flag identifies compounds whose concentrations exceed the upper level of the calibration range of the instrument for that specific analysis.

J Estimated value. The analyte was detected in the sample at a concentration less than the laboratory Practical Quantitation Limit (PQL), but above the Method Detection Limit (MDL).

or

J Used for Pesticide/Aroclor analyte when there is a greater than 40% difference for detected concentrations between the two GC columns.

B Indicates the analyte was detected in the laboratory method blank analyzed concurrently with the sample.

N Presumptive evidence of a compound based on a mass spectral library search.

A Indicates that a tentatively identified compound is a suspected aldol-condensation product.

P Used for Pesticide/Aroclor analyte when there is a greater than 25% difference for detected concentrations between the two GC columns. (for CLP methods only).

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
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 06/10/08
Received Date: 06/12/08
Extraction Date: 20-JUN-2008
Analysis Date: ~~01-JAN-1990~~ ~~12:58~~ 18:49
Report Date: 06/25/2008 SKT 0625 08
Matrix: WATER
% Solids: NA

Lab ID: SB3102-5
Client ID: AWDSWPZ203A20080610
SDG: CTO426-4
Extracted by:
Extraction Method: SW846 5030
Analyst: TTC
Analysis Method: SW846 8260B
Lab Prep Batch: WG52726
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
1634-04-4	Methyl tert-butyl ether	U	1	1.0	1	1	0.5
71-43-2	Benzene	U	1	1.0	1	1	0.3
108-88-3	Toluene		3	1.0	1	1	0.4
100-41-4	Ethylbenzene	U	1	1.0	1	1	0.3
1330-20-7	Xylenes (total)	U	3	1.0	3	3	0.3
	m+p-Xylenes	U	2	1.0	2	2	0.7
95-47-6	o-Xylene	U	1	1.0	1	1	0.3
98-82-8	Isopropylbenzene	U	1	1.0	1	1	0.4
91-20-3	Naphthalene	U	1	1.0	1	1	0.4
1868-53-7	Dibromofluoromethane		102%				
17060-07-0	1,2-Dichloroethane-D4		106%				
2037-26-5	Toluene-D8		100%				
460-00-4	P-Bromofluorobenzene		94%				

Data File: \\Target_server\GG\chem\gcms-f.i\F062008.b\F1011.D
Report Date: 25-Jun-2008 10:51

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gcms-f.i\F062008.b\F1011.D
Lab Smp Id: SB3102-5 Client Smp ID: AWDSWPZ203A20080610
Inj Date : 01-JAN-1990 12:58 MS Autotune Date: 01-JAN-1990 15:37
Operator : TTC Inst ID: gcms-f.i
Smp Info : SB3102-5
Misc Info : SW846 8260B
Comment :
Method : \\Target_server\GG\chem\gcms-f.i\F062008.b\F826a09.m
Meth Date : 20-Jun-2008 09:12 tcote Quant Type: ISTD
Cal Date : 19-JUN-2008 14:45 Cal File: F0987.D
Als bottle: 18
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TETRAT426001.sub
Target Version: 4.12
Processing Host: MIS_2

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)	REVIEW CODE
57 Toluene	92	11.089	11.087	(1.186)	20147	2.57556	2.6	
$ 37 Dibromofluoromethane	113	7.410	7.431	(0.870)	166298	50.8591	50.8	
$ 45 1,2-Dichloroethane-D4	65	8.501	8.510	(0.999)	220476	52.8257	52.8	
$ 55 Toluene-D8	98	11.031	11.040	(1.180)	605613	50.0133	50.0	
$ 76 P-Bromofluorobenzene	95	14.443	14.441	(1.545)	223663	46.8845	46.9	
* 42 Pentafluorobenzene	168	8.512	8.532	(1.000)	283579	50.0000		
* 49 1,4-Difluorobenzene	114	9.348	9.357	(1.000)	494821	50.0000		
* 66 Chlorobenzene-D5	117	12.853	12.862	(1.000)	413406	50.0000		
* 91 1,4-Dichlorobenzene-D4	152	15.975	15.984	(1.000)	173372	50.0000		

Data File: \\Target_server\GG\chem\gcms-f.i\F062008.b\F1011.D
Report Date: 25-Jun-2008 10:51

Katahdin Analytical Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcms-f.i
Lab File ID: F1011.D
Lab Smp Id: SB3102-5
Analysis Type: VOA
Quant Type: ISTD
Operator: TTC
Method File: \\Target_server\GG\chem\gcms-f.i\F062008.b\F826a09.m
Misc Info: SW846 8260B

Calibration Date: 01-JAN-1990
Calibration Time: 03:32
Client Smp ID: AWDSWPZ203A2008
Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 4

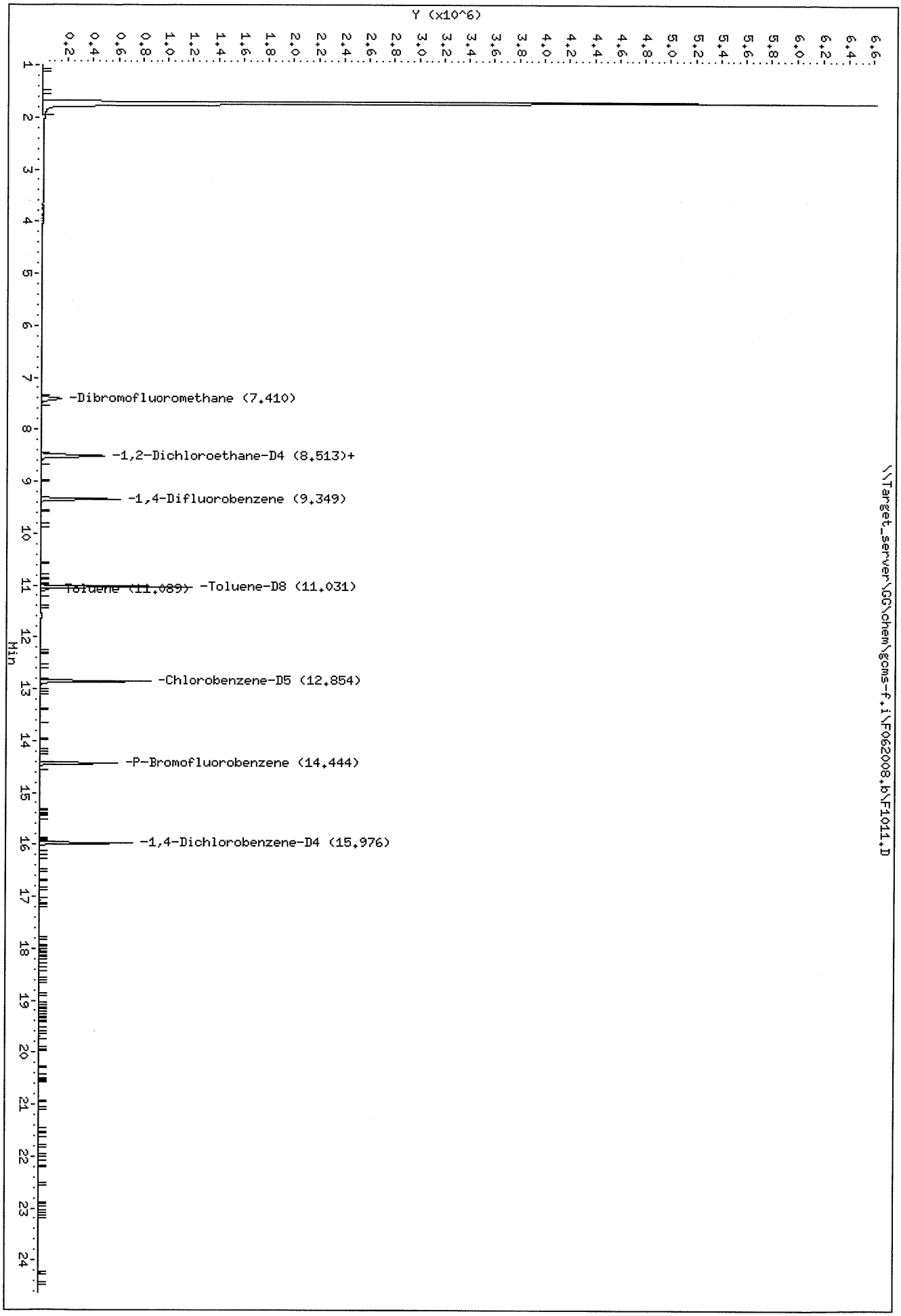
COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	350411	175206	700822	283579	-19.07
49 1,4-Difluorobenze	578301	289151	1156602	494821	-14.44
66 Chlorobenzene-D5	493926	246963	987852	413406	-16.30
91 1,4-Dichlorobenze	230200	115100	460400	173372	-24.69

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	8.51	8.01	9.01	8.51	-0.01
49 1,4-Difluorobenze	9.34	8.84	9.84	9.35	0.11
66 Chlorobenzene-D5	12.85	12.35	13.35	12.85	-0.01
91 1,4-Dichlorobenze	15.98	15.48	16.48	15.98	-0.01

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.

Data File: \\Target_server\GC\chem\gcms-f.i\F062008.b\F1011.D
Date : 01-JAN-1990 12:58
Client ID: AWDSWPZ203A20080610
Sample Info: SB3102-5

Instrument: gcms-f.i



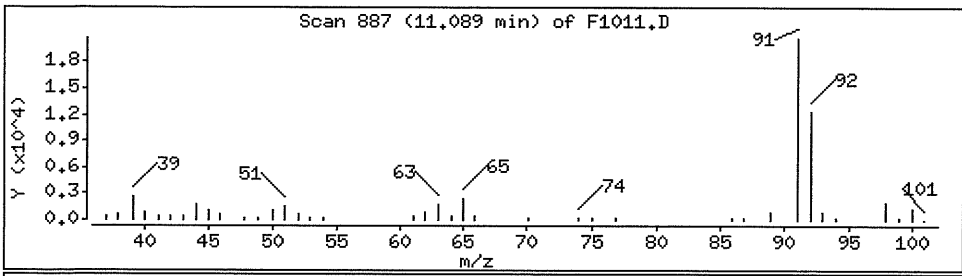
Data File: \\Target_server\GC\chem\gcms-f.i\F062008.b\F1011.D

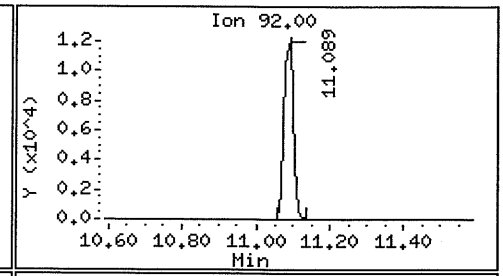
Date : 01-JAN-1990 12:58

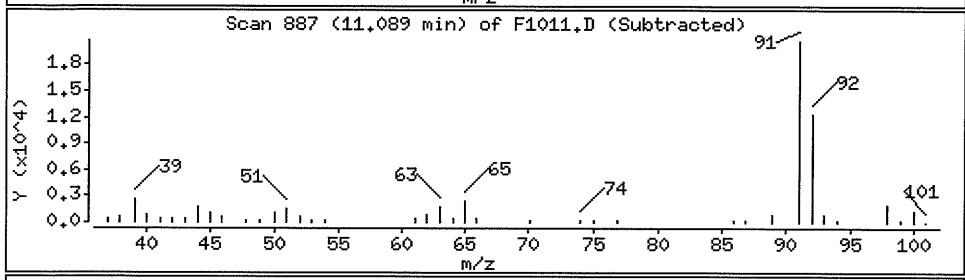
Client ID: AWDSWPZ203A20080610 Instrument: gcms-f.i

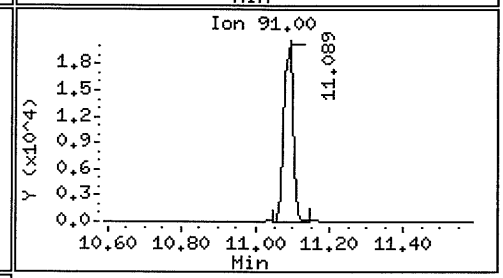
Sample Info: SB3102-5

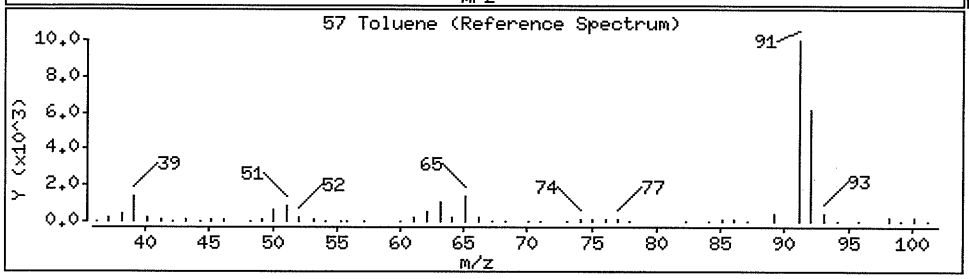
57 Toluene Concentration: 2.6 ug/l











KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 06/11/08
Received Date: 06/12/08
Extraction Date:
Analysis Date: 23-JUN-2008 17:00
Report Date: 06/25/2008
Matrix: WATER
% Solids: NA

Lab ID: SB3102-6
Client ID: AWDSWSW120080611
SDG: CTO426-4
Extracted by:
Extraction Method: SW846 5030
Analyst: TTC
Analysis Method: SW846 8260B
Lab Prep Batch: WG52797
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
1634-04-4	Methyl tert-butyl ether	U	1	1.0	1	1	0.5
71-43-2	Benzene	U	1	1.0	1	1	0.3
108-88-3	Toluene	U	1	1.0	1	1	0.4
100-41-4	Ethylbenzene	U	1	1.0	1	1	0.3
1330-20-7	Xylenes (total)	U	3	1.0	3	3	0.3
	m+p-Xylenes	U	2	1.0	2	2	0.7
95-47-6	o-Xylene	U	1	1.0	1	1	0.3
98-82-8	Isopropylbenzene	U	1	1.0	1	1	0.4
91-20-3	Naphthalene	U	1	1.0	1	1	0.4
1868-53-7	Dibromofluoromethane		99%				
17060-07-0	1,2-Dichloroethane-D4		104%				
2037-26-5	Toluene-D8		100%				
460-00-4	P-Bromofluorobenzene		98%				

Data File: \\Target_server\GG\chem\gcms-f.i\F062308.b\F1030.D
Report Date: 25-Jun-2008 10:54

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gcms-f.i\F062308.b\F1030.D
Lab Smp Id: SB3102-6 Client Smp ID: AWDSWSW120080611
Inj Date : 23-JUN-2008 17:00 MS Autotune Date: 01-JAN-1990 15:37
Operator : TTC Inst ID: gcms-f.i
Smp Info : SB3102-6
Misc Info : SW846 8260B
Comment :
Method : \\Target_server\GG\chem\gcms-f.i\F062308.b\F826a09.m
Meth Date : 23-Jun-2008 10:33 tcote Quant Type: ISTD
Cal Date : 19-JUN-2008 14:45 Cal File: F0987.D
Als bottle: 13
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TETRAT426001.sub
Target Version: 4.12
Processing Host: MIS_2

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)	REVIEW COD
$ 37 Dibromofluoromethane	113	7.417	7.431	(0.869)	154743	49.3074	49.3	
$ 45 1,2-Dichloroethane-D4	65	8.508	8.510	(0.997)	208307	52.0005	52.0	
$ 55 Toluene-D8	98	11.038	11.040	(1.180)	577497	49.8048	49.8	
$ 76 P-Bromofluorobenzene	95	14.451	14.441	(1.545)	223766	48.8459	48.8	
* 42 Pentafluorobenzene	168	8.531	8.532	(1.000)	272179	50.0000		
* 49 1,4-Difluorobenzene	114	9.355	9.357	(1.000)	473823	50.0000		
* 66 Chlorobenzene-D5	117	12.860	12.862	(1.000)	407022	50.0000		
* 91 1,4-Dichlorobenzene-D4	152	15.983	15.984	(1.000)	177822	50.0000		

Data File: \\Target_server\GG\chem\gcms-f.i\F062308.b\F1030.D
Report Date: 25-Jun-2008 10:54

Katahdin Analytical Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcms-f.i
Lab File ID: F1030.D
Lab Smp Id: SB3102-6
Analysis Type: VOA
Quant Type: ISTD
Operator: TTC
Method File: \\Target_server\GG\chem\gcms-f.i\F062308.b\F826a09.m
Misc Info: SW846 8260B

Calibration Date: 23-JUN-2008
Calibration Time: 10:10
Client Smp ID: AWDSWSW12008061
Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 4

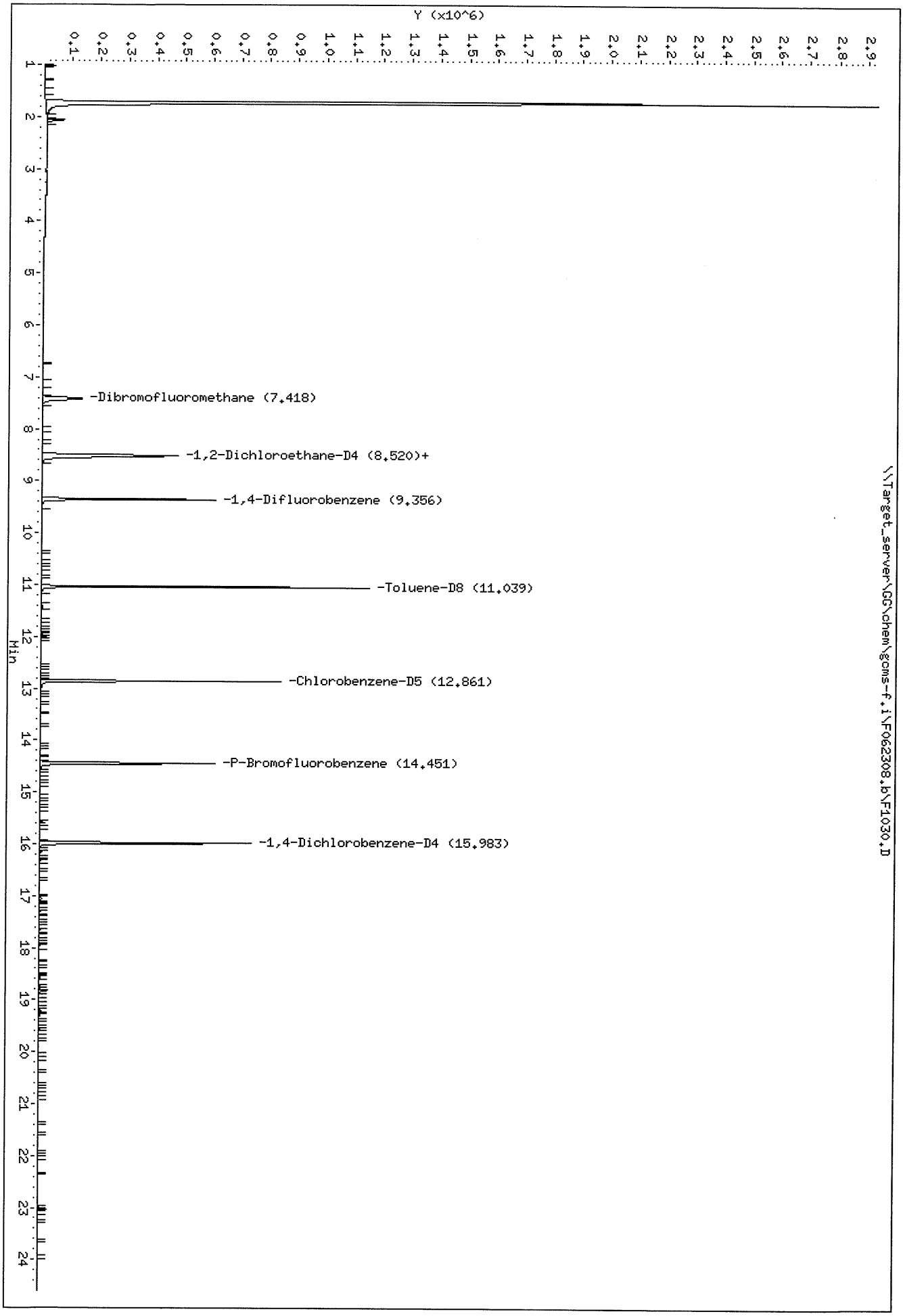
COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	343414	171707	686828	272179	-20.74
49 1,4-Difluorobenze	578408	289204	1156816	473823	-18.08
66 Chlorobenzene-D5	484535	242268	969070	407022	-16.00
91 1,4-Dichlorobenze	228488	114244	456976	177822	-22.17

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	8.53	8.03	9.03	8.53	0.08
49 1,4-Difluorobenze	9.35	8.85	9.85	9.36	0.07
66 Chlorobenzene-D5	12.85	12.35	13.35	12.86	0.05
91 1,4-Dichlorobenze	15.98	15.48	16.48	15.98	0.04

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.

Data File: \\Target_server\GC\chem\gcms-f.i\F062308.b\F1030.D
Date : 23-JUN-2008 17:00
Client ID: AWDSWSW120080611
Sample Info: SB3102-6

Instrument: gcms-f.i



KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 06/11/08
Received Date: 06/12/08
Extraction Date:
Analysis Date: 23-JUN-2008 16:29
Report Date: 06/25/2008
Matrix: WATER
% Solids: NA

Lab ID: SB3102-7
Client ID: AWDSWDUP0120080611
SDG: CTO426-4
Extracted by:
Extraction Method: SW846 5030
Analyst: TTC
Analysis Method: SW846 8260B
Lab Prep Batch: WG52797
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
1634-04-4	Methyl tert-butyl ether	U	1	1.0	1	1	0.5
71-43-2	Benzene	U	1	1.0	1	1	0.3
108-88-3	Toluene	U	1	1.0	1	1	0.4
100-41-4	Ethylbenzene	U	1	1.0	1	1	0.3
1330-20-7	Xylenes (total)	U	3	1.0	3	3	0.3
	m+p-Xylenes	U	2	1.0	2	2	0.7
95-47-6	o-Xylene	U	1	1.0	1	1	0.3
98-82-8	Isopropylbenzene		3	1.0	1	1	0.4
91-20-3	Naphthalene	U	1	1.0	1	1	0.4
1868-53-7	Dibromofluoromethane		100%				
17060-07-0	1,2-Dichloroethane-D4		101%				
2037-26-5	Toluene-D8		100%				
460-00-4	P-Bromofluorobenzene		95%				

Data File: \\Target_server\GG\chem\gcms-f.i\F062308.b\F1029.D
Report Date: 25-Jun-2008 10:54

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gcms-f.i\F062308.b\F1029.D
Lab Smp Id: SB3102-7 Client Smp ID: AWDSWDUP0120080611
Inj Date : 23-JUN-2008 16:29 MS Autotune Date: 01-JAN-1990 15:37
Operator : TTC Inst ID: gcms-f.i
Smp Info : SB3102-7
Misc Info : SW846 8260B
Comment :
Method : \\Target_server\GG\chem\gcms-f.i\F062308.b\F826a09.m
Meth Date : 23-Jun-2008 10:33 tcote Quant Type: ISTD
Cal Date : 19-JUN-2008 14:45 Cal File: F0987.D
Als bottle: 12
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TETRAT426001.sub
Target Version: 4.12
Processing Host: MIS_2

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)	REVIEW CODE
75 Isopropylbenzene	105	14.090	14.093	(0.882)	1313	3.15401	3.2	
$ 37 Dibromofluoromethane	113	7.428	7.431	(0.871)	156870	50.2585	50.2	
$ 45 1,2-Dichloroethane-D4	65	8.519	8.510	(0.999)	201524	50.5823	50.6	
$ 55 Toluene-D8	98	11.037	11.040	(1.180)	598979	50.1583	50.2	
$ 76 P-Bromofluorobenzene	95	14.449	14.441	(1.545)	223498	47.4651	47.5	
* 42 Pentafluorobenzene	168	8.530	8.532	(1.000)	270699	50.0000		
* 49 1,4-Difluorobenzene	114	9.354	9.357	(1.000)	487985	50.0000		
* 66 Chlorobenzene-D5	117	12.859	12.862	(1.000)	415027	50.0000		
* 91 1,4-Dichlorobenzene-D4	152	15.981	15.984	(1.000)	172530	50.0000		

Data File: \\Target_server\GG\chem\gcms-f.i\F062308.b\F1029.D
Report Date: 25-Jun-2008 10:54

Katahdin Analytical Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcms-f.i
Lab File ID: F1029.D
Lab Smp Id: SB3102-7
Analysis Type: VOA
Quant Type: ISTD
Operator: TTC
Method File: \\Target_server\GG\chem\gcms-f.i\F062308.b\F826a09.m
Misc Info: SW846 8260B

Calibration Date: 23-JUN-2008
Calibration Time: 10:10
Client Smp ID: AWDSWDUP0120080
Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 4

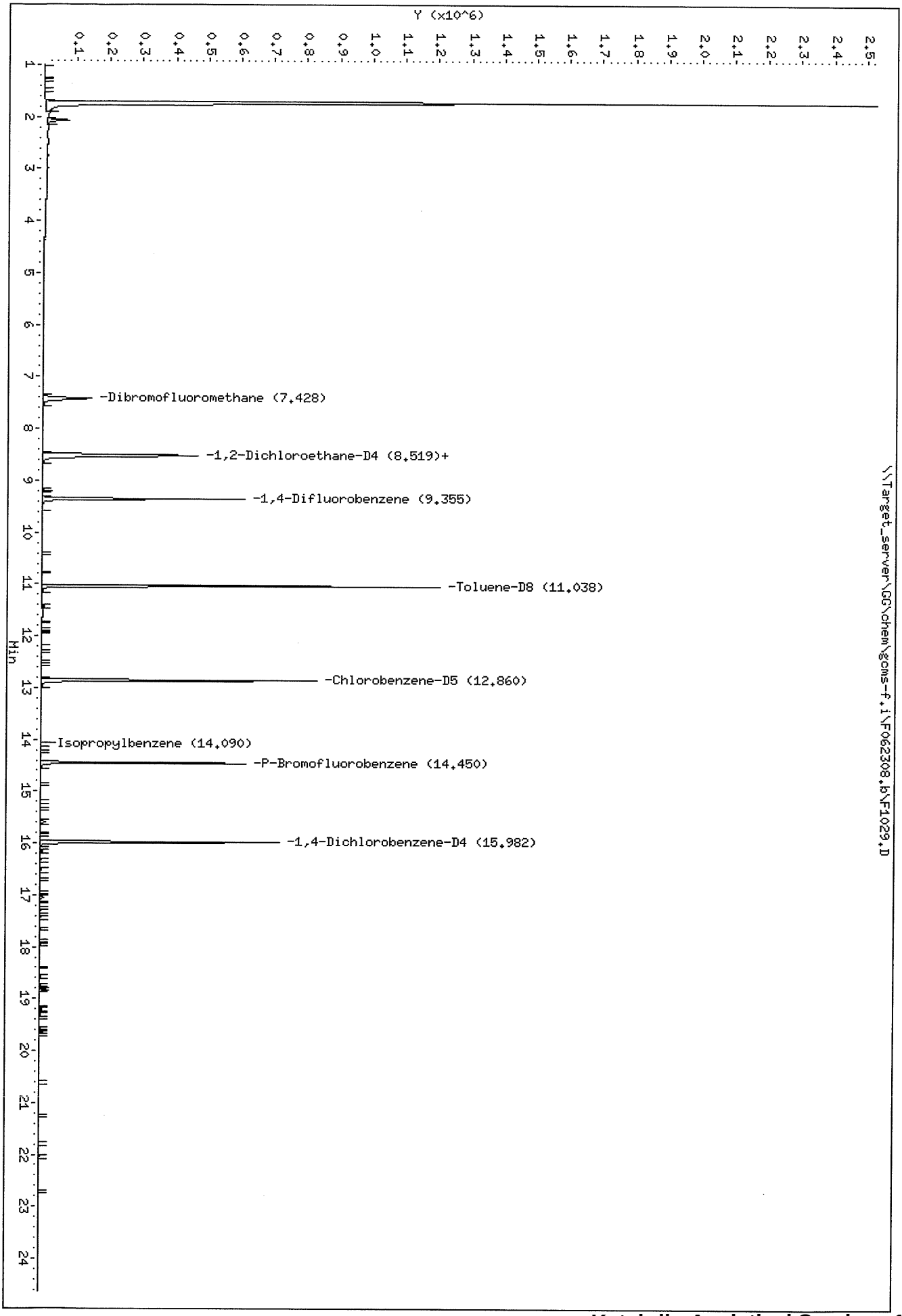
COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	343414	171707	686828	270699	-21.17
49 1,4-Difluorobenze	578408	289204	1156816	487985	-15.63
66 Chlorobenzene-D5	484535	242268	969070	415027	-14.35
91 1,4-Dichlorobenze	228488	114244	456976	172530	-24.49

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	8.53	8.03	9.03	8.53	0.07
49 1,4-Difluorobenze	9.35	8.85	9.85	9.35	0.06
66 Chlorobenzene-D5	12.85	12.35	13.35	12.86	0.04
91 1,4-Dichlorobenze	15.98	15.48	16.48	15.98	0.03

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.

Data File: \\Target_server\GC\chem\gcms-f.i\F062308.b\F1029.D
Date : 23-JUN-2008 16:29
Client ID: AWDSWDUP0120080611
Sample Info: SB3102-7

Instrument: gcms-f.i



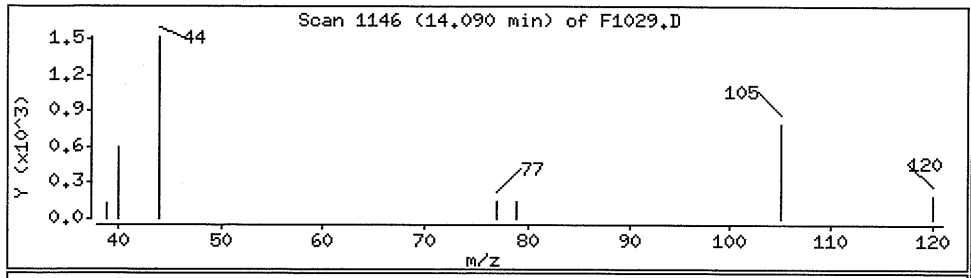
Data File: \\Target_server\GC\chem\gcms-f.i\F062308.b\F1029.D

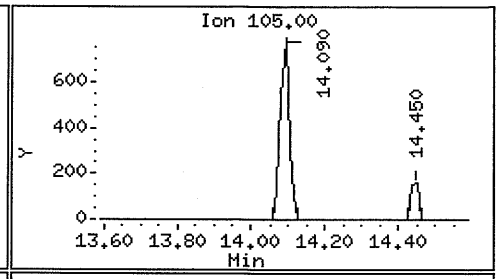
Date : 23-JUN-2008 16:29

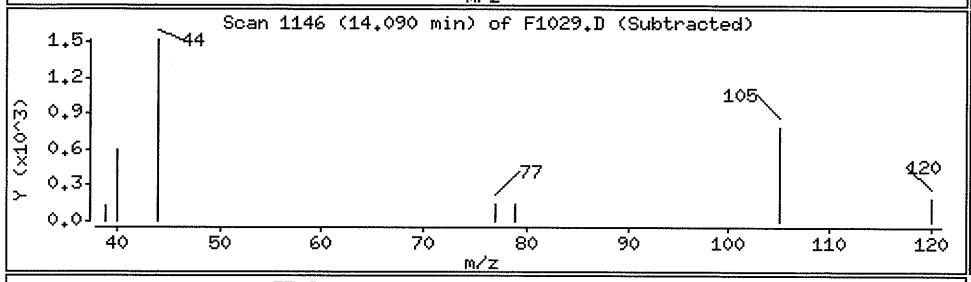
Client ID: AWDSWDUP0120080611 Instrument: gcms-f.i

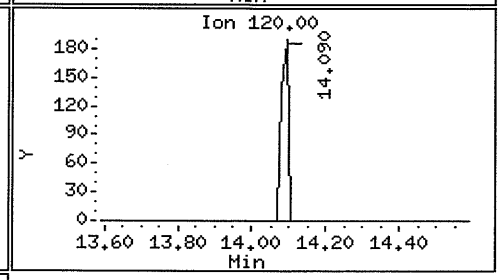
Sample Info: SB3102-7

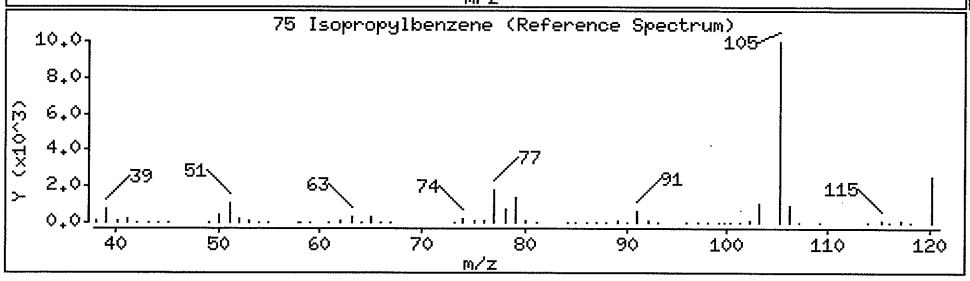
75 Isopropylbenzene Concentration: 3.2 ug/l











KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 06/11/08
Received Date: 06/12/08
Extraction Date:
Analysis Date: 23-JUN-2008 15:59
Report Date: 06/25/2008
Matrix: WATER
% Solids: NA

Lab ID: SB3102-8
Client ID: AWDTB061108
SDG: CTO426-4
Extracted by:
Extraction Method: SW846 5030
Analyst: TTC
Analysis Method: SW846 8260B
Lab Prep Batch: WG52797
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
1634-04-4	Methyl tert-butyl ether	U	1	1.0	1	1	0.5
71-43-2	Benzene	U	1	1.0	1	1	0.3
108-88-3	Toluene	U	1	1.0	1	1	0.4
100-41-4	Ethylbenzene	U	1	1.0	1	1	0.3
1330-20-7	Xylenes (total)	U	3	1.0	3	3	0.3
	m+p-Xylenes	U	2	1.0	2	2	0.7
95-47-6	o-Xylene	U	1	1.0	1	1	0.3
98-82-8	Isopropylbenzene	U	1	1.0	1	1	0.4
91-20-3	Naphthalene	U	1	1.0	1	1	0.4
1868-53-7	Dibromofluoromethane		99%				
17060-07-0	1,2-Dichloroethane-D4		102%				
2037-26-5	Toluene-D8		100%				
460-00-4	P-Bromofluorobenzene		93%				

Data File: \\Target_server\GG\chem\gcms-f.i\F062308.b\F1028.D
Report Date: 25-Jun-2008 10:53

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gcms-f.i\F062308.b\F1028.D
Lab Smp Id: SB3102-8 Client Smp ID: AWDTB061108
Inj Date : 23-JUN-2008 15:59 MS Autotune Date: 01-JAN-1990 15:37
Operator : TTC Inst ID: gcms-f.i
Smp Info : SB3102-8
Misc Info : SW846 8260B
Comment :
Method : \\Target_server\GG\chem\gcms-f.i\F062308.b\F826a09.m
Meth Date : 23-Jun-2008 10:33 tcote Quant Type: ISTD
Cal Date : 19-JUN-2008 14:45 Cal File: F0987.D
Als bottle: 11
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TETRAT426001.sub
Target Version: 4.12
Processing Host: MIS_2

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)	REVIEW CODE
$ 37 Dibromofluoromethane	113	7.423	7.431	(0.871)	161975	49.3141	49.3	
$ 45 1,2-Dichloroethane-D4	65	8.514	8.510	(0.999)	213625	50.9539	51.0	
$ 55 Toluene-D8	98	11.033	11.040	(1.179)	609529	49.8846	49.9	
$ 76 P-Bromofluorobenzene	95	14.445	14.441	(1.543)	223294	46.4197	46.4	
* 42 Pentafluorobenzene	168	8.526	8.532	(1.000)	284861	50.0000		
* 49 1,4-Difluorobenzene	114	9.361	9.357	(1.000)	499305	50.0000		
* 66 Chlorobenzene-D5	117	12.855	12.862	(1.000)	418324	50.0000		
* 91 1,4-Dichlorobenzene-D4	152	15.977	15.984	(1.000)	173041	50.0000		

Data File: \\Target_server\GG\chem\gcms-f.i\F062308.b\F1028.D
Report Date: 25-Jun-2008 10:53

Katahdin Analytical Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcms-f.i
Lab File ID: F1028.D
Lab Smp Id: SB3102-8
Analysis Type: VOA
Quant Type: ISTD
Operator: TTC
Method File: \\Target_server\GG\chem\gcms-f.i\F062308.b\F826a09.m
Misc Info: SW846 8260B

Calibration Date: 23-JUN-2008
Calibration Time: 10:10
Client Smp ID: AWDTB061108
Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 4

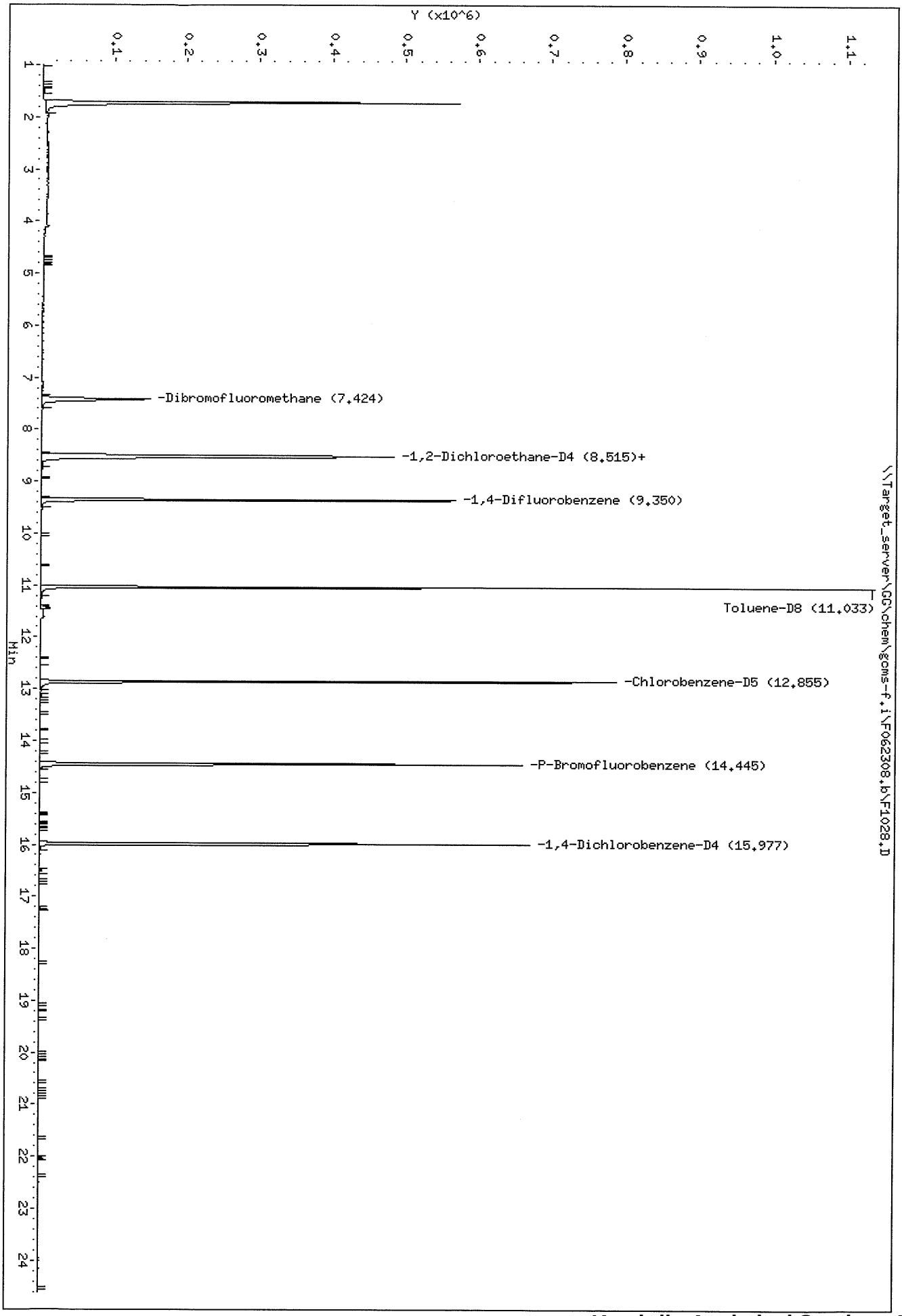
COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	343414	171707	686828	284861	-17.05
49 1,4-Difluorobenze	578408	289204	1156816	499305	-13.68
66 Chlorobenzene-D5	484535	242268	969070	418324	-13.66
91 1,4-Dichlorobenze	228488	114244	456976	173041	-24.27

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	8.53	8.03	9.03	8.53	0.01
49 1,4-Difluorobenze	9.35	8.85	9.85	9.36	0.13
66 Chlorobenzene-D5	12.85	12.35	13.35	12.86	0.01
91 1,4-Dichlorobenze	15.98	15.48	16.48	15.98	0.01

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.

Data File: \\Target_server\GC\chem\gcms-f.i\F062308.b\F1028.D
Date : 23-JUN-2008 15:59
Client ID: AWDTB061108
Sample Info: SB3102-8

Instrument: gcms-f.i



Standards Data Section

FORM 6
VOLATILE INITIAL CALIBRATION DATA

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project CTO 426 NLON SDG No.: CTO426-4

Instrument ID: GCMS-F Calibration Date(s): 06/19/08 06/19/08

Column: RTX-VMS ID: 0.18 (mm) Calibration Time(s): 1211 1445

LAB FILE ID: RF1: F0987 RF5: F0986 RF20: F0985
RF50: F0984 RF100: F0983 RF200: F0982

COMPOUND	RF1	RF5	RF20	RF50	RF100	RF200	CURVE	COEFFICENTS A0	A1	%RSD OR R^2	MAX %RSD OR R^2	
Methyl tert-butyl ether	1.164	1.475	1.538	1.563	1.602	1.623	AVRG		1.49439541	11.364	15.000	
Benzene	1.179	1.392	1.432	1.300	1.312	1.504	AVRG		1.35313868	8.460	15.000	
Toluene	0.566	0.816	0.853	0.798	0.784	0.925	AVRG		0.79042515	15.295	15.000	<-
Ethylbenzene	0.436	0.519	0.527	0.485	0.497	0.548	AVRG		0.50204307	7.866	15.000	
Xylenes (total)							AVRG				0.000	
m+p-Xylenes	0.454	0.624	0.664	0.627	0.638	0.700	AVRG		0.61789480	13.768	15.000	
o-Xylene	3384	25956	123890	310000	648560	1464100	LINR	3.986e-002	1.56416506	0.99884	0.99000	
Isopropylbenzene	6202	55779	249470	659400	1317000	3050800	LINR	6.053e-002	0.33569297	0.99625	0.99000	
Naphthalene	3570	22302	118270	338860	681400	1258100	LINR	-1.25e-002	0.79261650	0.99726	0.99000	
Dibromofluoromethane	0.568	0.598	0.564	0.544	0.585	0.601	AVRG		0.57651959	3.837	15.000	
1,2-Dichloroethane-D4	0.808	0.771	0.716	0.669	0.709	0.743	AVRG		0.73588828	6.685	15.000	
Toluene-D8	0.902	1.196	1.248	1.237	1.327	1.431	AVRG		1.22357894	14.569	15.000	
P-Bromofluorobenzene	3662	25391	107650	284370	612000	1357100	LINR	6.2e-002	1.93733579	0.99700	0.99000	

Average %RSD test result.

Calculate Average %RSD: 12.51148987
Maximum Average %RSD: 15.00000000

Note: Passes Average %RSD Test.

FORM VI VOA

Data File: \\Target_server\GG\chem\gcms-f.i\F061908.b\F0982.D
Report Date: 25-Jun-2008 10:46

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gcms-f.i\F061908.b\F0982.D
Lab Smp Id: VSTD200F19A
Inj Date : 19-JUN-2008 12:11
Operator : TTC Inst ID: gcms-f.i
Smp Info : VSTD200F19A
Misc Info : SW846 8260B
Comment :
Method : \\target_server\GG\chem\gcms-f.i\F061908.b\F826a09.m
Meth Date : 20-Jun-2008 06:13 sthompson Quant Type: ISTD
Cal Date : 19-JUN-2008 12:11 Cal File: F0982.D
Als bottle: 1 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.12
Processing Host: V200T3

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	sample purged
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)	REVIEW CODE
1 Dichlorodifluoromethane	85	1.891	1.883	(0.221)	703599	200.000	217(A)	
2 Chloromethane	50	2.089	2.080	(0.245)	1351905	200.000	207(A)	
3 Vinyl chloride	62	2.182	2.162	(0.255)	1224872	200.000	214(A)	
4 Bromomethane	94	2.507	2.498	(0.293)	642588	200.000	206(A)	
5 Chloroethane	64	2.646	2.638	(0.310)	696347	200.000	206(A)	
6 Trichlorofluoromethane	101	2.797	2.788	(0.327)	1005765	200.000	216(A)	
7 Diethyl Ether	59	3.145	3.137	(0.368)	892731	200.000	206(A)	
8 Tertiary-butyl alcohol	59	4.735	4.715	(0.554)	271460	1000.00	967	
9 1,1-Dichloroethene	96	3.365	3.357	(0.394)	768364	200.000	212(A)	
10 Carbon Disulfide	76	3.400	3.380	(0.398)	2520546	200.000	213(A)	
11 Freon-113	151	3.423	3.415	(0.401)	532899	200.000	214(A)	
12 Iodomethane	142	3.540	3.531	(0.414)	1134901	200.000	210(A)	
13 Acrolein	56	3.806	3.787	(0.446)	935963	1000.00	999	
14 Methylene Chloride	84	4.120	4.099	(0.482)	1055664	200.000	213(A)	
15 Acetone	43	4.213	4.203	(0.493)	1703117	1000.00	994	
16 Isobutyl Alcohol	43	8.890	8.882	(1.041)	672937	4000.00	4090(A)	
17 trans-1,2-Dichloroethene	96	4.340	4.332	(0.508)	922284	200.000	206(A)	
18 Allyl Chloride	41	3.969	3.961	(0.465)	2108664	200.000	206(A)	
19 Methyl tert-butyl ether	73	4.538	4.518	(0.531)	5314495	400.000	408(A)	
20 Acetonitrile	39	4.897	4.889	(0.573)	334325	2000.00	2030(A)	
21 Di-isopropyl ether	45	5.176	5.168	(0.606)	4841574	200.000	207(A)	
22 Chloroprene	53	5.292	5.272	(0.620)	1883685	200.000	212(A)	
23 Propionitrile	54	8.379	8.359	(0.981)	1547994	2000.00	2020(A)	

Data File: \\Target_server\GG\chem\gcms-f.i\F061908.b\F0982.D
Report Date: 25-Jun-2008 10:46

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)	REVIEW COD
	24 Methacrylonitrile	41	8.414	8.394	(0.985)	9052014	2000.00	2040(A)	
	25 1,1-Dichloroethane	63	5.327	5.307	(0.624)	1922362	200.000	210(A)	
	26 Acrylonitrile	52	5.443	5.435	(0.637)	1970865	1000.00	1010(A)	
	27 Ethyl tertiary-butyl ether	59	5.849	5.841	(0.685)	3628015	200.000	209(A)	
	28 Vinyl Acetate	43	5.861	5.852	(0.626)	2965629	200.000	212(A)	
	29 cis-1,2-Dichloroethene	96	6.371	6.351	(0.746)	1039989	200.000	212(A)	
M	30 1,2-Dichloroethylene (total)	96				1962273	200.000	418	
	31 Methyl Methacrylate	41	10.352	10.344	(1.105)	1098951	200.000	213(A)	
	32 2,2-Dichloropropane	77	6.604	6.584	(0.773)	1277946	200.000	219(A)	
	33 Bromochloromethane	128	6.801	6.781	(0.796)	412421	200.000	204(A)	
	34 Chloroform	83	7.021	7.001	(0.822)	1572927	200.000	209(A)	
	35 Carbon Tetrachloride	117	7.277	7.257	(0.777)	924051	200.000	220(A)	
	36 Tetrahydrofuran	42	7.370	7.361	(0.863)	1735859	1000.00	1010(A)	
$	37 Dibromofluoromethane	113	7.451	7.431	(0.872)	983096	200.000	210(A)	
	38 1,1,1-Trichloroethane	97	7.451	7.419	(0.872)	1194481	200.000	214(A)	
	39 1,1-Dichloropropene	75	7.729	7.721	(0.825)	1308164	200.000	220(A)	
	40 2-Butanone	43	7.776	7.767	(0.910)	2930140	1000.00	1020(A)	
	41 Benzene	78	8.263	8.243	(0.882)	3941651	200.000	215(A)	
*	42 Pentafluorobenzene	168	8.542	8.532	(1.000)	409207	50.0000		
	43 Cyclohexane	56	6.766	6.746	(0.792)	1476900	200.000	214(A)	
	44 Ethyl Methacrylate	69	11.791	11.783	(1.259)	1318631	200.000	216(A)	
$	45 1,2-Dichloroethane-D4	65	8.530	8.510	(0.999)	1216281	200.000	210(A)	
	46 Tertiary-amyl methyl ether	73	8.588	8.568	(1.005)	2808350	200.000	209(A)	
	47 1,2-Dichloroethane	62	8.658	8.638	(0.924)	1355266	200.000	213(A)	
	48 Trichloroethene	95	9.273	9.265	(0.990)	965709	200.000	218(A)	
*	49 1,4-Difluorobenzene	114	9.366	9.357	(1.000)	655056	50.0000		
	50 Dibromomethane	93	9.853	9.845	(1.052)	539201	200.000	212(A)	
	51 1,2-Dichloropropane	63	9.992	9.984	(1.067)	1054977	200.000	213(A)	
	52 Bromodichloromethane	83	10.097	10.089	(1.078)	1277751	200.000	216(A)	
	53 cis-1,3-dichloropropene	75	10.840	10.843	(1.157)	1662698	200.000	213(A)	
	54 1,4-Dioxane	88	10.364	10.356	(1.107)	85106	4000.00	2720	
$	55 Toluene-D8	98	11.049	11.040	(1.180)	3749991	200.000	214(A)	
	56 2-Chloroethylvinylether	63	10.817	10.808	(1.155)	658037	200.000	212(A)	
	57 Toluene	92	11.095	11.087	(1.185)	2422868	200.000	215(A)	
	58 4-methyl-2-pentanone	43	11.548	11.539	(1.233)	5893400	1000.00	1010(A)	
	59 Tetrachloroethene	164	11.501	11.505	(0.894)	733629	200.000	206(A)	
	60 trans-1,3-Dichloropropene	75	11.571	11.563	(1.235)	1377669	200.000	210(A)	
	61 1,1,2-Trichloroethane	83	11.745	11.737	(1.254)	692284	200.000	209(A)	
	62 Dibromochloromethane	129	11.942	11.946	(0.928)	793815	200.000	204(A)	
	63 1,3-Dichloropropane	76	12.058	12.062	(0.937)	1571810	200.000	206(A)	
	64 1,2-Dibromoethane	107	12.209	12.212	(1.304)	786150	200.000	209(A)	
	65 2-Hexanone	43	12.557	12.549	(0.976)	3967945	1000.00	1000(A)	
*	66 Chlorobenzene-D5	117	12.871	12.862	(1.000)	571519	50.0000		
	67 Chlorobenzene	112	12.894	12.886	(1.002)	2475983	200.000	209(A)	
	152 1-Chlorohexane	91	12.894	12.886	(1.509)	1282803	200.000	220(A)	
	68 Ethylbenzene	106	12.940	12.932	(1.005)	1252857	200.000	212(A)	
	69 1,1,1,2-Tetrachloroethane	131	12.975	12.967	(1.008)	794545	200.000	211(A)	
M	70 Xylenes (total)	106				4662681	600.000	634	
	71 m+p-Xylenes	106	13.138	13.129	(1.021)	3198598	400.000	422(A)	
	72 o-Xylene	106	13.683	13.675	(1.063)	1464083	200.000	212(A)	
	73 Styrene	104	13.753	13.744	(1.069)	2692409	200.000	211(A)	
	74 Bromoform	173	13.764	13.756	(1.069)	514472	200.000	207(TA)	
	75 Isopropylbenzene	105	14.089	14.093	(0.881)	3050814	200.000	215(A)	
$	76 P-Bromofluorobenzene	95	14.449	14.441	(1.543)	1357131	200.000	218(A)	

Data File: \\Target_server\GG\chem\gcms-f.i\F061908.b\F0982.D
Report Date: 25-Jun-2008 10:46

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)	REVIEW COD
77 cis-1,4-Dichloro-2-Butene	53	14.554	14.545	(0.910)	397892	200.000	215(A)	
78 trans-1,4-Dichloro-2-Butene	53	14.983	14.975	(0.937)	380544	200.000	212(A)	
79 Bromobenzene	156	14.588	14.580	(0.912)	857125	200.000	215(A)	
80 N-Propylbenzene	91	14.647	14.638	(0.916)	4213539	200.000	217(A)	
81 1,1,2,2-Tetrachloroethane	83	14.739	14.743	(0.922)	909367	200.000	206(A)	
82 1,3,5-Trimethylbenzene	105	14.925	14.917	(0.933)	2691727	200.000	214(A)	
83 2-Chlorotoluene	91	14.844	14.835	(0.928)	2600166	200.000	215(A)	
84 1,2,3-Trichloropropane	75	14.913	14.905	(0.933)	792115	200.000	204(A)	
85 4-Chlorotoluene	91	15.076	15.068	(0.943)	2697400	200.000	212(A)	
86 tert-Butylbenzene	119	15.354	15.346	(0.960)	2367448	200.000	219(A)	
87 Pentachloroethane	117	15.366	15.358	(0.961)	524804	200.000	226(A)	
88 1,2,4-Trimethylbenzene	105	15.459	15.451	(0.967)	2823717	200.000	218(A)	
89 P-Isopropyltoluene	119	15.819	15.810	(0.989)	2352900	200.000	219(A)	
90 1,3-Dichlorobenzene	146	15.877	15.880	(0.993)	1459901	200.000	213(A)	
* 91 1,4-Dichlorobenzene-D4	152	15.993	15.984	(1.000)	254266	50.0000		
92 1,4-Dichlorobenzene	146	16.016	16.008	(1.001)	1516221	200.000	212(A)	
93 N-Butylbenzene	91	16.411	16.402	(1.026)	2204033	200.000	220(A)	
94 sec-Butylbenzene	105	15.598	15.601	(0.975)	2967863	200.000	217(A)	
95 1,2-Dichlorobenzene	146	16.608	16.600	(1.038)	1347209	200.000	212(A)	
96 1,2-Dibromo-3-Chloropropane	75	17.780	17.772	(1.112)	118961	200.000	207(A)	
97 1,3,5-Trichlorobenzene	180	17.838	17.830	(1.115)	794075	200.000	206(A)	
98 Hexachlorobutadiene	225	18.778	18.782	(1.174)	236633	200.000	196	
99 1,2,4-Trichlorobenzene	180	18.801	18.793	(1.176)	657910	200.000	208(A)	
100 1,2,3-Trimethylbenzene	105	16.062	16.053	(1.004)	3029133	200.000	212(A)	
101 Naphthalene	128	19.289	19.292	(1.206)	1258103	200.000	193	
102 1,2,3-Trichlorobenzene	180	19.567	19.571	(1.224)	430514	200.000	189	
103 Methyl Acetate	43	4.398	4.390	(0.515)	1060495	200.000	200	
104 Methylcyclohexane	83	9.238	9.230	(1.082)	1091255	200.000	217(A)	
M 153 Total Alkylbenzenes	100				19621227	200.000	1520	

QC Flag Legend

T - Target compound detected outside RT window.
A - Target compound detected but, quantitated amount exceeded maximum amount.

Data File: \\Target_server\GG\chem\gcms-f.i\F061908.b\F0982.D
Report Date: 25-Jun-2008 10:46

Katahdin Analytical Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcms-f.i
Lab File ID: F0982.D
Lab Smp Id: VSTD200F19A
Analysis Type: VOA
Quant Type: ISTD
Operator: TTC
Method File: \\target_server\GG\chem\gcms-f.i\F061908.b\F826a09.m
Misc Info: SW846 8260B

Calibration Date: 19-JUN-2008
Calibration Time: 13:13

Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 4

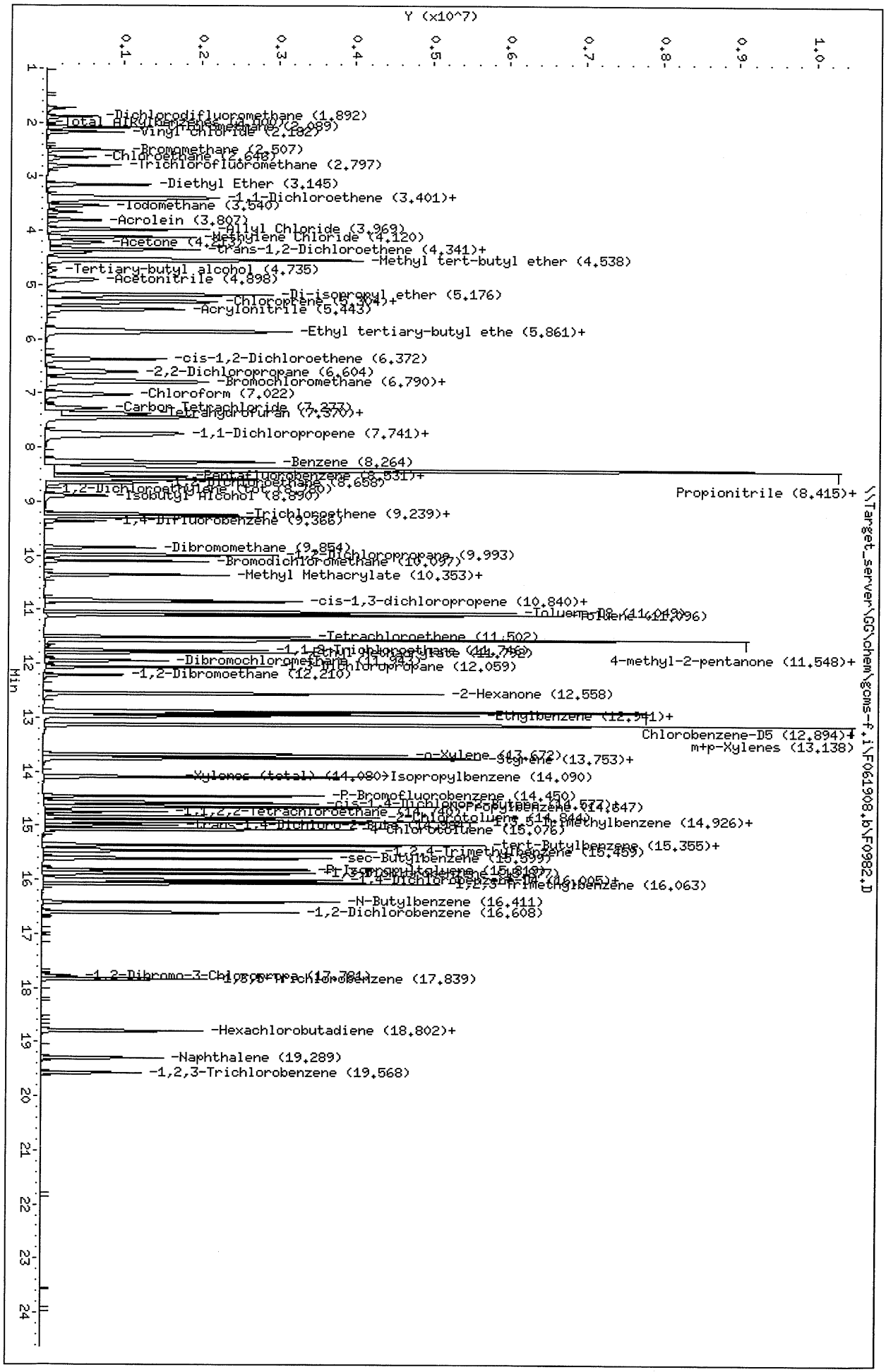
COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	395343	197672	790686	409207	3.51
49 1,4-Difluorobenze	659511	329756	1319022	655056	-0.68
66 Chlorobenzene-D5	548409	274205	1096818	571519	4.21
91 1,4-Dichlorobenze	256401	128201	512802	254266	-0.83

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	8.53	8.03	9.03	8.54	0.10
49 1,4-Difluorobenze	9.36	8.86	9.86	9.37	0.09
66 Chlorobenzene-D5	12.86	12.36	13.36	12.87	0.07
91 1,4-Dichlorobenze	15.98	15.48	16.48	15.99	0.06

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.

Data File: \\Target_server\GC\chem\gcms-f.i\F061908.b\F0982.D
Date : 19-JUN-2008 12:11
Client ID:
Sample Info: VSTD200F19A
Purge Volume: 5.0
Column phase: RTX-VMS

Instrument: gcms-f.i
Operator: TTC
Column diameter: 0.18



Data File: \\Target_server\GG\chem\gcms-f.i\F061908.b\F0983.D
Report Date: 25-Jun-2008 10:46

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gcms-f.i\F061908.b\F0983.D
Lab Smp Id: VSTD100F19A
Inj Date : 19-JUN-2008 12:42
Operator : TTC Inst ID: gcms-f.i
Smp Info : VSTD100F19A
Misc Info : SW846 8260B
Comment :
Method : \\target_server\GG\chem\gcms-f.i\F061908.b\F826a09.m
Meth Date : 20-Jun-2008 06:13 sthompson Quant Type: ISTD
Cal Date : 19-JUN-2008 12:42 Cal File: F0983.D
Als bottle: 2 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.12
Processing Host: V200T3

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	sample purged
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)	REVIEW CODE
1 Dichlorodifluoromethane	85	1.886	1.883	(0.221)	263911	100.000	89.2	
2 Chloromethane	50	2.083	2.080	(0.244)	571076	100.000	93.8	
3 Vinyl chloride	62	2.164	2.162	(0.254)	486745	100.000	92.1	
4 Bromomethane	94	2.501	2.498	(0.293)	261981	100.000	91.3	
5 Chloroethane	64	2.640	2.638	(0.309)	288604	100.000	92.3	
6 Trichlorofluoromethane	101	2.791	2.788	(0.327)	385757	100.000	90.4	
7 Diethyl Ether	59	3.139	3.137	(0.368)	449693	100.000	105	
8 Tertiary-butyl alcohol	59	4.729	4.715	(0.554)	154191	500.000	545	
9 1,1-Dichloroethene	96	3.360	3.357	(0.394)	322313	100.000	95.0	
10 Carbon Disulfide	76	3.383	3.380	(0.396)	1055359	100.000	94.9	
11 Freon-113	151	3.418	3.415	(0.400)	244367	100.000	101	
12 Iodomethane	142	3.534	3.531	(0.414)	479356	100.000	94.7	
13 Acrolein	56	3.789	3.787	(0.444)	463997	500.000	510	
14 Methylene Chloride	84	4.102	4.099	(0.481)	467467	100.000	98.7	
15 Acetone	43	4.195	4.203	(0.492)	797551	500.000	489	
16 Isobutyl Alcohol	43	8.884	8.882	(1.041)	347652	2000.00	2120	
17 trans-1,2-Dichloroethene	96	4.335	4.332	(0.508)	404950	100.000	96.0	
18 Allyl Chloride	41	3.963	3.961	(0.464)	1023424	100.000	103	
19 Methyl tert-butyl ether	73	4.520	4.518	(0.530)	2524779	200.000	201	
20 Acetonitrile	39	4.892	4.889	(0.573)	160060	1000.00	1010	
21 Di-isopropyl ether	45	5.170	5.168	(0.606)	2333740	100.000	102	
22 Chloroprene	53	5.275	5.272	(0.618)	856300	100.000	100	
23 Propionitrile	54	8.362	8.359	(0.980)	762969	1000.00	1020	

Data File: \\Target_server\GG\chem\gcms-f.i\F061908.b\F0983.D
Report Date: 25-Jun-2008 10:46

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)	REVIEW COD
	24 Methacrylonitrile	41	8.397	8.394	(0.984)	4417924	1000.00	1020	
	25 1,1-Dichloroethane	63	5.321	5.307	(0.623)	821442	100.000	95.4	
	26 Acrylonitrile	52	5.426	5.435	(0.636)	953535	500.000	506	
	27 Ethyl tertiary-butyl ether	59	5.843	5.841	(0.685)	1694365	100.000	101	
	28 Vinyl Acetate	43	5.855	5.852	(0.626)	1348332	100.000	97.9	
	29 cis-1,2-Dichloroethene	96	6.366	6.351	(0.746)	444106	100.000	95.9	
M	30 1,2-Dichloroethylene (total)	96				849056	100.000	192	
	31 Methyl Methacrylate	41	10.347	10.344	(1.105)	510306	100.000	99.4	
	32 2,2-Dichloropropane	77	6.586	6.584	(0.772)	522540	100.000	95.4	
	33 Bromochloromethane	128	6.795	6.781	(0.796)	186529	100.000	97.2	
	34 Chloroform	83	7.016	7.001	(0.822)	678406	100.000	95.6	
	35 Carbon Tetrachloride	117	7.259	7.257	(0.776)	369423	100.000	91.9	
	36 Tetrahydrofuran	42	7.364	7.361	(0.863)	828048	500.000	501	
$	37 Dibromofluoromethane	113	7.433	7.431	(0.871)	460585	100.000	101	
	38 1,1,1-Trichloroethane	97	7.433	7.419	(0.871)	501084	100.000	95.3	
	39 1,1-Dichloropropene	75	7.724	7.721	(0.825)	534971	100.000	93.5	
	40 2-Butanone	43	7.770	7.767	(0.910)	1299459	500.000	479	
	41 Benzene	78	8.246	8.243	(0.881)	1712132	100.000	95.6	
*	42 Pentafluorobenzene	168	8.536	8.532	(1.000)	393879	50.0000		
	43 Cyclohexane	56	6.760	6.746	(0.792)	580665	100.000	91.4	
	44 Ethyl Methacrylate	69	11.786	11.783	(1.259)	618539	100.000	101	
$	45 1,2-Dichloroethane-D4	65	8.524	8.510	(0.999)	558602	100.000	100	
	46 Tertiary-amyl methyl ether	73	8.571	8.568	(1.004)	1322428	100.000	101	
	47 1,2-Dichloroethane	62	8.640	8.638	(0.923)	602916	100.000	96.9	
	48 Trichloroethene	95	9.267	9.265	(0.990)	400399	100.000	93.7	
*	49 1,4-Difluorobenzene	114	9.360	9.357	(1.000)	652332	50.0000		
	50 Dibromomethane	93	9.847	9.845	(1.052)	243669	100.000	97.6	
	51 1,2-Dichloropropane	63	9.987	9.984	(1.067)	478514	100.000	98.0	
	52 Bromodichloromethane	83	10.091	10.089	(1.078)	549190	100.000	95.3	
	53 cis-1,3-dichloropropene	75	10.846	10.843	(1.159)	761291	100.000	98.5	
	54 1,4-Dioxane	88	10.358	10.356	(1.107)	94780	2000.00	2590	
$	55 Toluene-D8	98	11.043	11.040	(1.180)	1731599	100.000	99.7	
	56 2-Chloroethylvinylether	63	10.811	10.808	(1.155)	299159	100.000	98.0	
	57 Toluene	92	11.089	11.087	(1.185)	1022772	100.000	93.8	
	58 4-methyl-2-pentanone	43	11.542	11.539	(1.233)	2828341	500.000	492	
	59 Tetrachloroethene	164	11.496	11.505	(0.894)	313432	100.000	95.9	
	60 trans-1,3-Dichloropropene	75	11.565	11.563	(1.236)	614691	100.000	96.1	
	61 1,1,2-Trichloroethane	83	11.739	11.737	(1.254)	317379	100.000	97.3	
	62 Dibromochloromethane	129	11.937	11.946	(0.928)	360803	100.000	99.4	
	63 1,3-Dichloropropane	76	12.064	12.062	(0.938)	713441	100.000	99.9	
	64 1,2-Dibromoethane	107	12.215	12.212	(1.305)	362596	100.000	97.8	
	65 2-Hexanone	43	12.552	12.549	(0.976)	1866177	500.000	502	
*	66 Chlorobenzene-D5	117	12.865	12.862	(1.000)	535526	50.0000		
	67 Chlorobenzene	112	12.888	12.886	(1.002)	1073964	100.000	97.8	
	152 1-Chlorohexane	91	12.888	12.886	(1.510)	510915	100.000	93.8	
	68 Ethylbenzene	106	12.935	12.932	(1.005)	532288	100.000	97.4	
	69 1,1,1,2-Tetrachloroethane	131	12.969	12.967	(1.008)	340314	100.000	97.6	
M	70 Xylenes (total)	106				2015920	100.000	295	
	71 m+p-Xylenes	106	13.132	13.129	(1.021)	1367355	200.000	195	
	72 o-Xylene	106	13.677	13.675	(1.063)	648565	100.000	100	
	73 Styrene	104	13.747	13.744	(1.069)	1170848	100.000	98.5	
	74 Bromoform	173	13.759	13.756	(1.069)	233472	100.000	100(T)	
	75 Isopropylbenzene	105	14.084	14.093	(0.881)	1316967	100.000	96.5	
$	76 P-Bromofluorobenzene	95	14.443	14.441	(1.543)	611996	100.000	99.2	

Data File: \\Target_server\GG\chem\gcms-f.i\F061908.b\F0983.D
Report Date: 25-Jun-2008 10:46

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)	REVIEW COD
77 cis-1,4-Dichloro-2-Butene	53	14.548	14.545	(0.910)	185327	100.000	101	
78 trans-1,4-Dichloro-2-Butene	53	14.977	14.975	(0.937)	184947	100.000	103	
79 Bromobenzene	156	14.583	14.580	(0.912)	379268	100.000	98.0	
80 N-Propylbenzene	91	14.641	14.638	(0.916)	1781897	100.000	95.8	
81 1,1,2,2-Tetrachloroethane	83	14.734	14.743	(0.922)	428696	100.000	99.5	
82 1,3,5-Trimethylbenzene	105	14.919	14.917	(0.933)	1186043	100.000	97.4	
83 2-Chlorotoluene	91	14.838	14.835	(0.928)	1152484	100.000	98.2	
84 1,2,3-Trichloropropane	75	14.908	14.905	(0.932)	371279	100.000	98.5	
85 4-Chlorotoluene	91	15.070	15.068	(0.943)	1216519	100.000	98.4	
86 tert-Butylbenzene	119	15.349	15.346	(0.960)	1026100	100.000	97.9	
87 Pentachloroethane	117	15.360	15.358	(0.961)	239578	100.000	103	
88 1,2,4-Trimethylbenzene	105	15.453	15.451	(0.967)	1259568	100.000	99.5	
89 P-Isopropyltoluene	119	15.813	15.810	(0.989)	984745	100.000	95.5	
90 1,3-Dichlorobenzene	146	15.883	15.880	(0.993)	640726	100.000	96.7	
* 91 1,4-Dichlorobenzene-D4	152	15.987	15.984	(1.000)	249326	50.0000		
92 1,4-Dichlorobenzene	146	16.010	16.008	(1.001)	673595	100.000	97.3	
93 N-Butylbenzene	91	16.405	16.402	(1.026)	904780	100.000	94.6	
94 sec-Butylbenzene	105	15.592	15.601	(0.975)	1283313	100.000	97.2	
95 1,2-Dichlorobenzene	146	16.602	16.600	(1.038)	599739	100.000	97.4	
96 1,2-Dibromo-3-Chloropropane	75	17.774	17.772	(1.112)	57102	100.000	101	
97 1,3,5-Trichlorobenzene	180	17.832	17.830	(1.115)	401967	100.000	104	
98 Hexachlorobutadiene	225	18.773	18.782	(1.174)	120954	100.000	102	
99 1,2,4-Trichlorobenzene	180	18.796	18.793	(1.176)	310090	100.000	99.9	
100 1,2,3-Trimethylbenzene	105	16.057	16.053	(1.004)	1415922	100.000	100	
101 Naphthalene	128	19.295	19.292	(1.207)	681400	100.000	104	
102 1,2,3-Trichlorobenzene	180	19.573	19.571	(1.224)	234840	100.000	103	
103 Methyl Acetate	43	4.381	4.390	(0.513)	534871	100.000	103	
104 Methylcyclohexane	83	9.232	9.230	(1.082)	513503	100.000	104	
M 153 Total Alkylbenzenes	100				8426446	100.000	678	

QC Flag Legend

T - Target compound detected outside RT window.

Data File: \\Target_server\GG\chem\gcms-f.i\F061908.b\F0983.D
Report Date: 25-Jun-2008 10:46

Katahdin Analytical Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcms-f.i
Lab File ID: F0983.D
Lab Smp Id: VSTD100F19A
Analysis Type: VOA
Quant Type: ISTD
Operator: TTC
Method File: \\target_server\GG\chem\gcms-f.i\F061908.b\F826a09.m
Misc Info: SW846 8260B

Calibration Date: 19-JUN-2008
Calibration Time: 13:13

Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 4

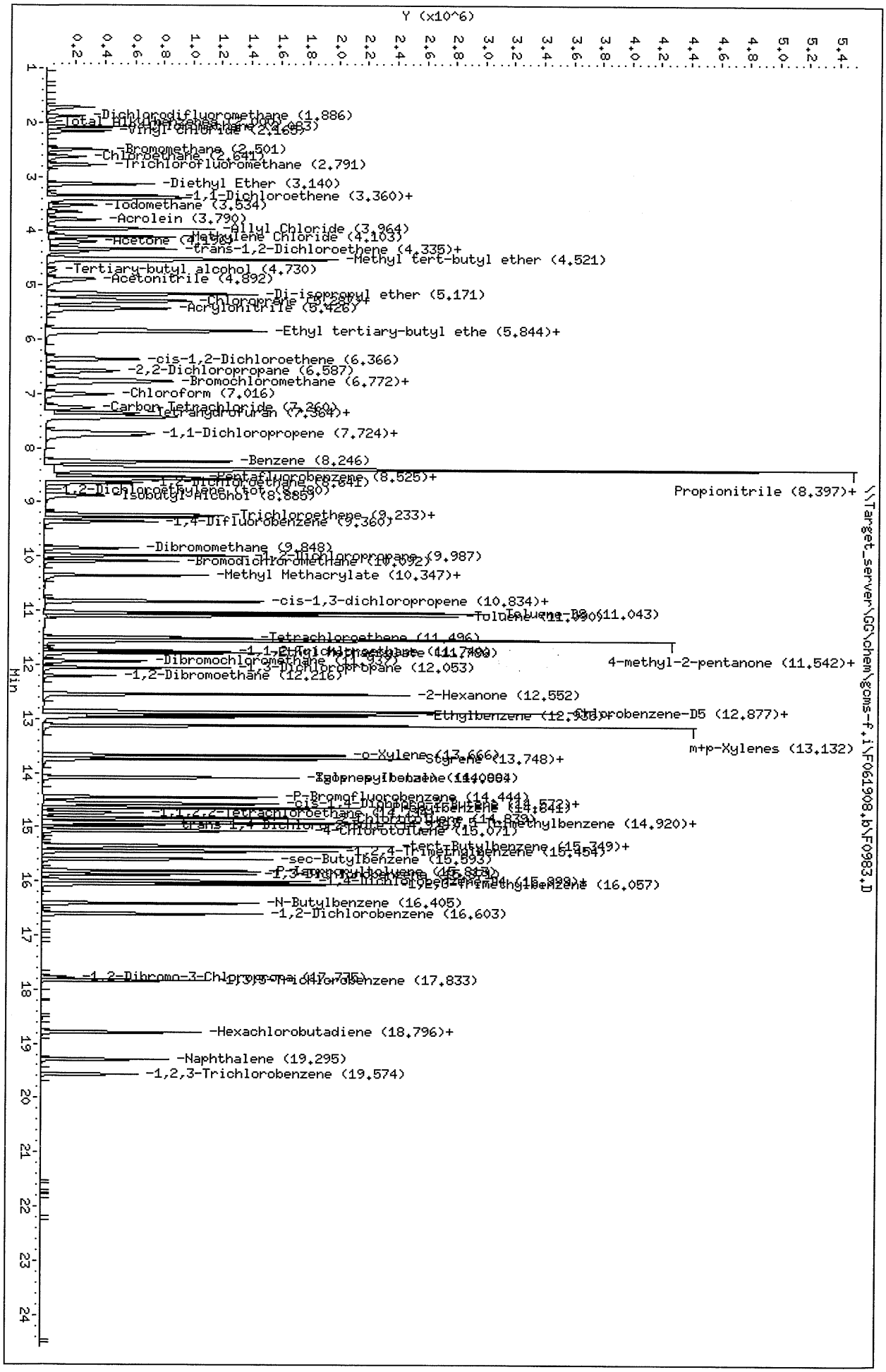
COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	395343	197672	790686	393879	-0.37
49 1,4-Difluorobenze	659511	329756	1319022	652332	-1.09
66 Chlorobenzene-D5	548409	274205	1096818	535526	-2.35
91 1,4-Dichlorobenze	256401	128201	512802	249326	-2.76

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	8.53	8.03	9.03	8.54	0.04
49 1,4-Difluorobenze	9.36	8.86	9.86	9.36	0.03
66 Chlorobenzene-D5	12.86	12.36	13.36	12.87	0.02
91 1,4-Dichlorobenze	15.98	15.48	16.48	15.99	0.02

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.

Data File: \\Target_server\GC\chem\gcms-f.i\F061908.b\F0983.D
Date : 19-JUN-2008 12:42
Client ID:
Sample Info: VSTD100F19A
Purge Volume: 5.0
Column phase: RTX-VMS

Instrument: gcms-f.i
Operator: TTC
Column diameter: 0.18



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Report Date: 25-Jun-2008 10:46

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gcms-f.i\F061908.b\F0984.D
Lab Smp Id: VSTD050F19A
Inj Date : 19-JUN-2008 13:13
Operator : TTC Inst ID: gcms-f.i
Smp Info : VSTD050F19A
Misc Info : SW846 8260B
Comment :
Method : \\target_server\GG\chem\gcms-f.i\F061908.b\F826a09.m
Meth Date : 20-Jun-2008 06:13 sthompson Quant Type: ISTD
Cal Date : 13-JUN-2008 17:40 Cal File: F0839.D
Als bottle: 3 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.12

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	sample purged
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)	REVIEW CODE
1 Dichlorodifluoromethane	85	1.883	1.883	(0.221)	143284	50.0000	(a)	
2 Chloromethane	50	2.080	2.080	(0.244)	303223	50.0000	(a)	
3 Vinyl chloride	62	2.161	2.162	(0.253)	255620	50.0000	(a)	
4 Bromomethane	94	2.498	2.498	(0.293)	145420	50.0000	(a)	
5 Chloroethane	64	2.637	2.638	(0.309)	157884	50.0000	(a)	
6 Trichlorofluoromethane	101	2.788	2.788	(0.327)	205775	50.0000	(a)	
7 Diethyl Ether	59	3.136	3.137	(0.368)	203171	50.0000	(a)	
8 Tertiary-butyl alcohol	59	4.714	4.715	(0.553)	70014	250.000	(a)	
9 1,1-Dichloroethene	96	3.357	3.357	(0.393)	163714	50.0000	(a)	
10 Carbon Disulfide	76	3.380	3.380	(0.396)	535170	50.0000	(a)	
11 Freon-113	151	3.415	3.415	(0.400)	111934	50.0000	(a)	
12 Iodomethane	142	3.531	3.531	(0.414)	247172	50.0000	(a)	
13 Acrolein	56	3.786	3.787	(0.444)	226619	250.000	(a)	
14 Methylene Chloride	84	4.099	4.099	(0.480)	223183	50.0000	(a)	
15 Acetone	43	4.204	4.203	(0.493)	416207	250.000	(a)	
16 Isobutyl Alcohol	43	8.881	8.882	(1.041)	155522	1000.00	(a)	
17 trans-1,2-Dichloroethene	96	4.331	4.332	(0.508)	208806	50.0000	(a)	
18 Allyl Chloride	41	3.960	3.961	(0.464)	476925	50.0000	(a)	
19 Methyl tert-butyl ether	73	4.517	4.518	(0.529)	1235520	100.000	(a)	
20 Acetonitrile	39	4.889	4.889	(0.573)	78111	500.000	(a)	
21 Di-isopropyl ether	45	5.167	5.168	(0.606)	1087723	50.0000	(a)	
22 Chloroprene	53	5.272	5.272	(0.618)	403240	50.0000	(a)	
23 Propionitrile	54	8.359	8.359	(0.980)	364301	500.000	(a)	
24 Methacrylonitrile	41	8.394	8.394	(0.984)	2089754	500.000	(a)	

Data File: \\Target_server\GG\chem\gcms-f.i\F061908.b\F0984.D
Report Date: 25-Jun-2008 10:46

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)	REVIEW COD
	25 1,1-Dichloroethane	63	5.306	5.307	(0.622)	419792	50.0000	(a)	
	26 Acrylonitrile	52	5.434	5.435	(0.637)	464664	250.000	(a)	
	27 Ethyl tertiary-butyl ether	59	5.840	5.841	(0.684)	802503	50.0000	(a)	
	28 Vinyl Acetate	43	5.852	5.852	(0.625)	661227	50.0000	(a)	
	29 cis-1,2-Dichloroethene	96	6.351	6.351	(0.744)	223063	50.0000	(a)	
M	30 1,2-Dichloroethylene (total)	96				431869	50.0000	(a)	
	31 Methyl Methacrylate	41	10.343	10.344	(1.105)	243767	50.0000	(a)	
	32 2,2-Dichloropropane	77	6.583	6.584	(0.772)	253969	50.0000	(a)	
	33 Bromochloromethane	128	6.780	6.781	(0.795)	95562	50.0000	(a)	
	34 Chloroform	83	7.001	7.001	(0.820)	347558	50.0000	(a)	
	35 Carbon Tetrachloride	117	7.256	7.257	(0.776)	190454	50.0000	(a)	
	36 Tetrahydrofuran	42	7.361	7.361	(0.863)	410334	250.000	(a)	
$	37 Dibromofluoromethane	113	7.430	7.431	(0.871)	214962	50.0000	(a)	
	38 1,1,1-Trichloroethane	97	7.419	7.419	(0.869)	251306	50.0000	(a)	
	39 1,1-Dichloropropene	75	7.720	7.721	(0.825)	268089	50.0000	(a)	
	40 2-Butanone	43	7.767	7.767	(0.910)	683722	250.000	(a)	
	41 Benzene	78	8.243	8.243	(0.881)	857049	50.0000	(a)	
*	42 Pentafluorobenzene	168	8.533	8.532	(1.000)	395343	50.0000		
	43 Cyclohexane	56	6.746	6.746	(0.791)	308746	50.0000	(a)	
	44 Ethyl Methacrylate	69	11.783	11.783	(1.259)	282265	50.0000	(a)	
$	45 1,2-Dichloroethane-D4	65	8.510	8.510	(0.997)	264385	50.0000	(a)	
	46 Tertiary-amyl methyl ether	73	8.568	8.568	(1.004)	620350	50.0000	(a)	
	47 1,2-Dichloroethane	62	8.637	8.638	(0.923)	298058	50.0000	(a)	
	48 Trichloroethene	95	9.264	9.265	(0.990)	202430	50.0000	(a)	
*	49 1,4-Difluorobenzene	114	9.357	9.357	(1.000)	659511	50.0000		
	50 Dibromomethane	93	9.844	9.845	(1.052)	119834	50.0000	(a)	
	51 1,2-Dichloropropane	63	9.984	9.984	(1.067)	233376	50.0000	(a)	
	52 Bromodichloromethane	83	10.088	10.089	(1.078)	274989	50.0000	(a)	
	53 cis-1,3-dichloropropene	75	10.842	10.843	(1.159)	368820	50.0000	(a)	
	54 1,4-Dioxane	88	10.355	10.356	(1.107)	41665	1000.00	(a)	
$	55 Toluene-D8	98	11.040	11.040	(1.180)	815712	50.0000	(a)	
	56 2-Chloroethylvinylether	63	10.808	10.808	(1.155)	146142	50.0000	(a)	
	57 Toluene	92	11.086	11.087	(1.185)	526468	50.0000	(a)	
	58 4-methyl-2-pentanone	43	11.539	11.539	(1.233)	1446215	250.000	(a)	
	59 Tetrachloroethene	164	11.504	11.505	(0.894)	165756	50.0000	(a)	
	60 trans-1,3-Dichloropropene	75	11.562	11.563	(1.236)	312469	50.0000	(a)	
	61 1,1,2-Trichloroethane	83	11.736	11.737	(1.254)	159767	50.0000	(a)	
	62 Dibromochloromethane	129	11.945	11.946	(0.929)	182167	50.0000	(a)	
	63 1,3-Dichloropropane	76	12.061	12.062	(0.938)	354844	50.0000	(a)	
	64 1,2-Dibromoethane	107	12.212	12.212	(1.305)	180992	50.0000	(a)	
	65 2-Hexanone	43	12.549	12.549	(0.976)	947078	250.000	(a)	
*	66 Chlorobenzene-D5	117	12.862	12.862	(1.000)	548409	50.0000		
	67 Chlorobenzene	112	12.885	12.886	(1.002)	543305	50.0000	(a)	
	152 1-Chlorohexane	91	12.885	12.886	(1.510)	253484	50.0000	(a)	
	68 Ethylbenzene	106	12.932	12.932	(1.005)	265859	50.0000	(a)	
	69 1,1,1,2-Tetrachloroethane	131	12.966	12.967	(1.008)	170456	50.0000	(a)	
M	70 Xylenes (total)	106				997279	150.000	(a)	
	71 m+p-Xylenes	106	13.129	13.129	(1.021)	687274	100.000	(a)	
	72 o-Xylene	106	13.674	13.675	(1.063)	310005	50.0000	(a)	
	73 Styrene	104	13.744	13.744	(1.069)	580229	50.0000	(a)	
	74 Bromoform	173	13.756	13.756	(1.069)	114635	50.0000	(Ta)	
	75 Isopropylbenzene	105	14.092	14.093	(0.882)	659405	50.0000	(a)	
$	76 P-Bromofluorobenzene	95	14.440	14.441	(1.543)	284372	50.0000	(a)	
	77 cis-1,4-Dichloro-2-Butene	53	14.545	14.545	(0.910)	86519	50.0000	(a)	

Data File: \\Target_server\GG\chem\gcms-f.i\F061908.b\F0984.D
Report Date: 25-Jun-2008 10:46

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)	REVIEW COD
78 trans-1,4-Dichloro-2-Butene	53	14.974	14.975	(0.937)	84720	50.0000	(a)	
79 Bromobenzene	156	14.580	14.580	(0.912)	185701	50.0000	(a)	
80 N-Propylbenzene	91	14.638	14.638	(0.916)	891392	50.0000	(a)	
81 1,1,2,2-Tetrachloroethane	83	14.742	14.743	(0.922)	215085	50.0000	(a)	
82 1,3,5-Trimethylbenzene	105	14.916	14.917	(0.933)	589032	50.0000	(a)	
83 2-Chlorotoluene	91	14.835	14.835	(0.928)	561294	50.0000	(a)	
84 1,2,3-Trichloropropane	75	14.905	14.905	(0.932)	190728	50.0000	(a)	
85 4-Chlorotoluene	91	15.067	15.068	(0.943)	601068	50.0000	(a)	
86 tert-Butylbenzene	119	15.346	15.346	(0.960)	492133	50.0000	(a)	
87 Pentachloroethane	117	15.357	15.358	(0.961)	101925	50.0000	(a)	
88 1,2,4-Trimethylbenzene	105	15.450	15.451	(0.967)	593016	50.0000	(a)	
89 P-Isopropyltoluene	119	15.810	15.810	(0.989)	491568	50.0000	(a)	
90 1,3-Dichlorobenzene	146	15.880	15.880	(0.993)	324375	50.0000	(a)	
* 91 1,4-Dichlorobenzene-D4	152	15.984	15.984	(1.000)	256401	50.0000		
92 1,4-Dichlorobenzene	146	16.007	16.008	(1.001)	339511	50.0000	(a)	
93 N-Butylbenzene	91	16.402	16.402	(1.026)	454574	50.0000	(a)	
94 sec-Butylbenzene	105	15.601	15.601	(0.976)	628218	50.0000	(a)	
95 1,2-Dichlorobenzene	146	16.599	16.600	(1.038)	301699	50.0000	(a)	
96 1,2-Dibromo-3-Chloropropane	75	17.771	17.772	(1.112)	27927	50.0000	(a)	
97 1,3,5-Trichlorobenzene	180	17.829	17.830	(1.115)	187699	50.0000	(a)	
98 Hexachlorobutadiene	225	18.781	18.782	(1.175)	61971	50.0000	(a)	
99 1,2,4-Trichlorobenzene	180	18.793	18.793	(1.176)	153532	50.0000	(a)	
100 1,2,3-Trimethylbenzene	105	16.054	16.053	(1.004)	680339	50.0000	(a)	
101 Naphthalene	128	19.292	19.292	(1.207)	338858	50.0000	(a)	
102 1,2,3-Trichlorobenzene	180	19.570	19.571	(1.224)	120912	50.0000	(a)	
103 Methyl Acetate	43	4.390	4.390	(0.514)	256558	50.0000	(a)	
104 Methylcyclohexane	83	9.229	9.230	(1.082)	223010	50.0000	(a)	
M 153 Total Alkylbenzenes	100				4139933	50.0000	(a)	

QC Flag Legend

T - Target compound detected outside RT window.
a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).

Data File: \\Target_server\GG\chem\gcms-f.i\F061908.b\F0984.D
Report Date: 25-Jun-2008 10:46

Katahdin Analytical Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcms-f.i
Lab File ID: F0984.D
Lab Smp Id: VSTD050F19A
Analysis Type: VOA
Quant Type: ISTD
Operator: TTC
Method File: \\target_server\GG\chem\gcms-f.i\F061908.b\F826a09.m
Misc Info: SW846 8260B

Calibration Date: 19-JUN-2008
Calibration Time: 13:13

Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 4

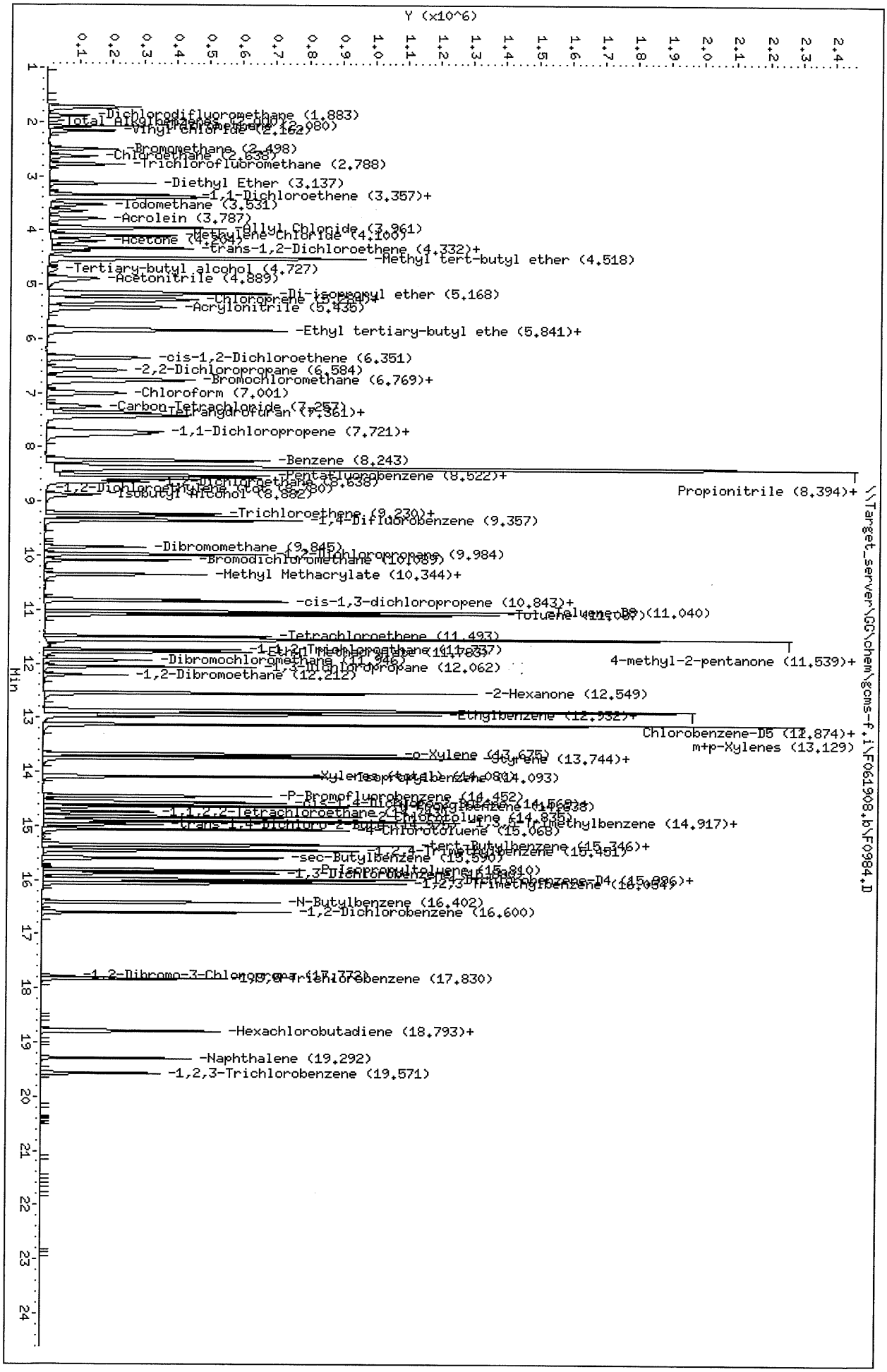
COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	395343	197672	790686	395343	0.00
49 1,4-Difluorobenze	659511	329756	1319022	659511	0.00
66 Chlorobenzene-D5	548409	274205	1096818	548409	0.00
91 1,4-Dichlorobenze	256401	128201	512802	256401	0.00

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	8.53	8.03	9.03	8.53	0.00
49 1,4-Difluorobenze	9.36	8.86	9.86	9.36	0.00
66 Chlorobenzene-D5	12.86	12.36	13.36	12.86	0.00
91 1,4-Dichlorobenze	15.98	15.48	16.48	15.98	0.00

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.

Data File: \\Target_server\GC\chem\gcms-f.i\F061908.b\F0984.D
Date : 19-JUN-2008 13:13
Client ID:
Sample Info: VSTD050F19A
Purge Volume: 5.0
Column phase: RTX-VMS

Instrument: gcms-f.i
Operator: TTC
Column diameter: 0.18



Data File: \\Target_server\GG\chem\gcms-f.i\F061908.b\F0985.D
Report Date: 25-Jun-2008 10:46

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gcms-f.i\F061908.b\F0985.D
Lab Smp Id: VSTD020F19A
Inj Date : 19-JUN-2008 13:43
Operator : TTC Inst ID: gcms-f.i
Smp Info : VSTD020F19A
Misc Info : SW846 8260B
Comment :
Method : \\target_server\GG\chem\gcms-f.i\F061908.b\F826a09.m
Meth Date : 20-Jun-2008 06:13 sthompson Quant Type: ISTD
Cal Date : 19-JUN-2008 13:43 Cal File: F0985.D
Als bottle: 4 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.12
Processing Host: V200T3

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	sample purged
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)	REVIEW CODE
1 Dichlorodifluoromethane	85	1.882	1.883	(0.221)	62119	20.0000	21.2	
2 Chloromethane	50	2.079	2.080	(0.244)	131299	20.0000	21.6	
3 Vinyl chloride	62	2.172	2.162	(0.255)	111067	20.0000	21.2	
4 Bromomethane	94	2.509	2.498	(0.294)	61360	20.0000	21.5	
5 Chloroethane	64	2.636	2.638	(0.309)	69101	20.0000	22.0	
6 Trichlorofluoromethane	101	2.787	2.788	(0.327)	91154	20.0000	21.4	
7 Diethyl Ether	59	3.136	3.137	(0.368)	79798	20.0000	19.4	
8 Tertiary-butyl alcohol	59	4.726	4.715	(0.554)	25627	100.000	94.8	
9 1,1-Dichloroethene	96	3.356	3.357	(0.393)	70494	20.0000	21.0	
10 Carbon Disulfide	76	3.391	3.380	(0.397)	226357	20.0000	20.7	
11 Freon-113	151	3.414	3.415	(0.400)	46785	20.0000	20.0	
12 Iodomethane	142	3.530	3.531	(0.414)	98648	20.0000	20.0	
13 Acrolein	56	3.785	3.787	(0.444)	86945	100.000	98.7	
14 Methylene Chloride	84	4.110	4.099	(0.482)	92824	20.0000	20.1	
15 Acetone	43	4.203	4.203	(0.493)	164391	100.000	103	
16 Isobutyl Alcohol	43	8.881	8.882	(1.041)	54199	400.000	354	
17 trans-1,2-Dichloroethene	96	4.331	4.332	(0.508)	86063	20.0000	20.7	
18 Allyl Chloride	41	3.960	3.961	(0.464)	182122	20.0000	19.1	
19 Methyl tert-butyl ether	73	4.528	4.518	(0.531)	471082	40.0000	38.9	
20 Acetonitrile	39	4.888	4.889	(0.573)	32766	200.000	209	
21 Di-isopropyl ether	45	5.167	5.168	(0.606)	406433	20.0000	18.7	
22 Chloroprene	53	5.271	5.272	(0.618)	155623	20.0000	19.0	
23 Propionitrile	54	8.358	8.359	(0.980)	142183	200.000	197	

Data File: \\Target_server\GG\chem\gcms-f.i\F061908.b\F0985.D
Report Date: 25-Jun-2008 10:46

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)	REVIEW COD
	24 Methacrylonitrile	41	8.381	8.394	(0.982)	813102	200.000	195	
	25 1,1-Dichloroethane	63	5.317	5.307	(0.623)	176582	20.0000	20.8	
	26 Acrylonitrile	52	5.434	5.435	(0.637)	172994	100.000	95.8	
	27 Ethyl tertiary-butyl ether	59	5.840	5.841	(0.684)	292210	20.0000	18.4	
	28 Vinyl Acetate	43	5.851	5.852	(0.625)	257109	20.0000	19.4	
	29 cis-1,2-Dichloroethene	96	6.362	6.351	(0.746)	90388	20.0000	20.1	
M	30 1,2-Dichloroethylene (total)	96				176451	20.0000	40.8	
	31 Methyl Methacrylate	41	10.354	10.344	(1.107)	84530	20.0000	17.6	
	32 2,2-Dichloropropane	77	6.583	6.584	(0.771)	105266	20.0000	19.8	
	33 Bromochloromethane	128	6.780	6.781	(0.795)	39064	20.0000	20.7	
	34 Chloroform	83	7.012	7.001	(0.822)	142328	20.0000	20.5	
	35 Carbon Tetrachloride	117	7.256	7.257	(0.775)	79897	20.0000	20.3	
	36 Tetrahydrofuran	42	7.360	7.361	(0.863)	153311	100.000	96.5	
$	37 Dibromofluoromethane	113	7.430	7.431	(0.871)	86342	20.0000	19.7	
	38 1,1,1-Trichloroethane	97	7.430	7.419	(0.871)	104879	20.0000	20.4	
	39 1,1-Dichloropropene	75	7.720	7.721	(0.825)	105855	20.0000	19.2	
	40 2-Butanone	43	7.766	7.767	(0.910)	256781	100.000	98.0	
	41 Benzene	78	8.242	8.243	(0.881)	363791	20.0000	20.6	
*	42 Pentafluorobenzene	168	8.532	8.532	(1.000)	382798	50.0000		
	43 Cyclohexane	56	6.757	6.746	(0.792)	126295	20.0000	20.3	
	44 Ethyl Methacrylate	69	11.794	11.783	(1.260)	98017	20.0000	17.2	
$	45 1,2-Dichloroethane-D4	65	8.521	8.510	(0.999)	109560	20.0000	20.2	
	46 Tertiary-amyl methyl ether	73	8.579	8.568	(1.005)	235500	20.0000	18.9	
	47 1,2-Dichloroethane	62	8.637	8.638	(0.923)	119946	20.0000	19.8	
	48 Trichloroethene	95	9.264	9.265	(0.990)	85108	20.0000	20.3	
*	49 1,4-Difluorobenzene	114	9.356	9.357	(1.000)	635145	50.0000		
	50 Dibromomethane	93	9.844	9.845	(1.052)	50311	20.0000	20.5	
	51 1,2-Dichloropropane	63	9.983	9.984	(1.067)	94660	20.0000	19.9	
	52 Bromodichloromethane	83	10.088	10.089	(1.078)	115177	20.0000	20.4	
	53 cis-1,3-dichloropropene	75	10.842	10.843	(1.159)	151145	20.0000	20.1	
	54 1,4-Dioxane	88	10.366	10.356	(1.108)	15960	400.000	435	
$	55 Toluene-D8	98	11.039	11.040	(1.180)	317166	20.0000	19.0	
	56 2-Chloroethylvinylether	63	10.807	10.808	(1.155)	54048	20.0000	18.6	
	57 Toluene	92	11.086	11.087	(1.185)	216775	20.0000	20.3	
	58 4-methyl-2-pentanone	43	11.538	11.539	(1.233)	540897	100.000	97.4	
	59 Tetrachloroethene	164	11.503	11.505	(0.894)	65959	20.0000	20.3	
	60 trans-1,3-Dichloropropene	75	11.562	11.563	(1.236)	121230	20.0000	19.6	
	61 1,1,2-Trichloroethane	83	11.736	11.737	(1.254)	65089	20.0000	20.4	
	62 Dibromochloromethane	129	11.945	11.946	(0.929)	72275	20.0000	20.1	
	63 1,3-Dichloropropane	76	12.061	12.062	(0.938)	145972	20.0000	20.5	
	64 1,2-Dibromoethane	107	12.211	12.212	(1.305)	73173	20.0000	20.2	
	65 2-Hexanone	43	12.548	12.549	(0.976)	356797	100.000	98.0	
*	66 Chlorobenzene-D5	117	12.861	12.862	(1.000)	528374	50.0000		
	67 Chlorobenzene	112	12.885	12.886	(1.002)	224822	20.0000	20.6	
	152 1-Chlorohexane	91	12.885	12.886	(1.510)	104278	20.0000	19.8	
	68 Ethylbenzene	106	12.931	12.932	(1.005)	111463	20.0000	20.5	
	69 1,1,1,2-Tetrachloroethane	131	12.966	12.967	(1.008)	71957	20.0000	20.7	
M	70 Xylenes (total)	106				404746	60.0000	60.0	
	71 m+p-Xylenes	106	13.128	13.129	(1.021)	280856	40.0000	40.4	
	72 o-Xylene	106	13.674	13.675	(1.063)	123890	20.0000	19.6	
	73 Styrene	104	13.743	13.744	(1.069)	222025	20.0000	19.2	
	74 Bromoform	173	13.755	13.756	(1.069)	44086	20.0000	19.4(T)	
	75 Isopropylbenzene	105	14.092	14.093	(0.882)	249470	20.0000	19.0	
$	76 P-Bromofluorobenzene	95	14.451	14.441	(1.545)	107649	20.0000	18.4	

Data File: \\Target_server\GG\chem\gcms-f.i\F061908.b\F0985.D
Report Date: 25-Jun-2008 10:46

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)	REVIEW COD
	77 cis-1,4-Dichloro-2-Butene	53	14.556	14.545	(0.911)	32987	20.0000	18.8	
	78 trans-1,4-Dichloro-2-Butene	53	14.974	14.975	(0.937)	33026	20.0000	19.1	
	79 Bromobenzene	156	14.579	14.580	(0.912)	76554	20.0000	20.1	
	80 N-Propylbenzene	91	14.637	14.638	(0.916)	362200	20.0000	19.9	
	81 1,1,2,2-Tetrachloroethane	83	14.742	14.743	(0.922)	89132	20.0000	20.8	
	82 1,3,5-Trimethylbenzene	105	14.916	14.917	(0.933)	234592	20.0000	19.8	
	83 2-Chlorotoluene	91	14.834	14.835	(0.928)	228509	20.0000	19.9	
	84 1,2,3-Trichloropropane	75	14.904	14.905	(0.932)	78937	20.0000	21.0	
	85 4-Chlorotoluene	91	15.067	15.068	(0.943)	238376	20.0000	19.8	
	86 tert-Butylbenzene	119	15.345	15.346	(0.960)	196537	20.0000	19.3	
	87 Pentachloroethane	117	15.357	15.358	(0.961)	40626	20.0000	18.4	
	88 1,2,4-Trimethylbenzene	105	15.450	15.451	(0.967)	248428	20.0000	20.0	
	89 P-Isopropyltoluene	119	15.809	15.810	(0.989)	189591	20.0000	19.0	
	90 1,3-Dichlorobenzene	146	15.879	15.880	(0.993)	133973	20.0000	20.5	
*	91 1,4-Dichlorobenzene-D4	152	15.983	15.984	(1.000)	244328	50.0000		
	92 1,4-Dichlorobenzene	146	16.007	16.008	(1.001)	139110	20.0000	20.4	
	93 N-Butylbenzene	91	16.413	16.402	(1.027)	181818	20.0000	19.5	
	94 sec-Butylbenzene	105	15.600	15.601	(0.976)	252188	20.0000	19.6	
	95 1,2-Dichlorobenzene	146	16.599	16.600	(1.038)	122165	20.0000	20.2	
	96 1,2-Dibromo-3-Chloropropane	75	17.771	17.772	(1.112)	12487	20.0000	21.8	
	97 1,3,5-Trichlorobenzene	180	17.829	17.830	(1.115)	69786	20.0000	18.8	
	98 Hexachlorobutadiene	225	18.780	18.782	(1.175)	26168	20.0000	21.8	
	99 1,2,4-Trichlorobenzene	180	18.804	18.793	(1.176)	57598	20.0000	19.2	
	100 1,2,3-Trimethylbenzene	105	16.053	16.053	(1.004)	254487	20.0000	18.8	
	101 Naphthalene	128	19.291	19.292	(1.207)	118271	20.0000	18.8	
	102 1,2,3-Trichlorobenzene	180	19.570	19.571	(1.224)	47022	20.0000	20.8	
	103 Methyl Acetate	43	4.389	4.390	(0.514)	98162	20.0000	19.6	
	104 Methylcyclohexane	83	9.229	9.230	(1.082)	89039	20.0000	18.9	
M	153 Total Alkylbenzenes	100				1665354	20.0000	137	

QC Flag Legend

T - Target compound detected outside RT window.

Data File: \\Target_server\GG\chem\gcms-f.i\F061908.b\F0985.D
Report Date: 25-Jun-2008 10:46

Katahdin Analytical Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcms-f.i
Lab File ID: F0985.D
Lab Smp Id: VSTD020F19A
Analysis Type: VOA
Quant Type: ISTD
Operator: TTC
Method File: \\target_server\GG\chem\gcms-f.i\F061908.b\F826a09.m
Misc Info: SW846 8260B

Calibration Date: 19-JUN-2008
Calibration Time: 13:13

Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 4

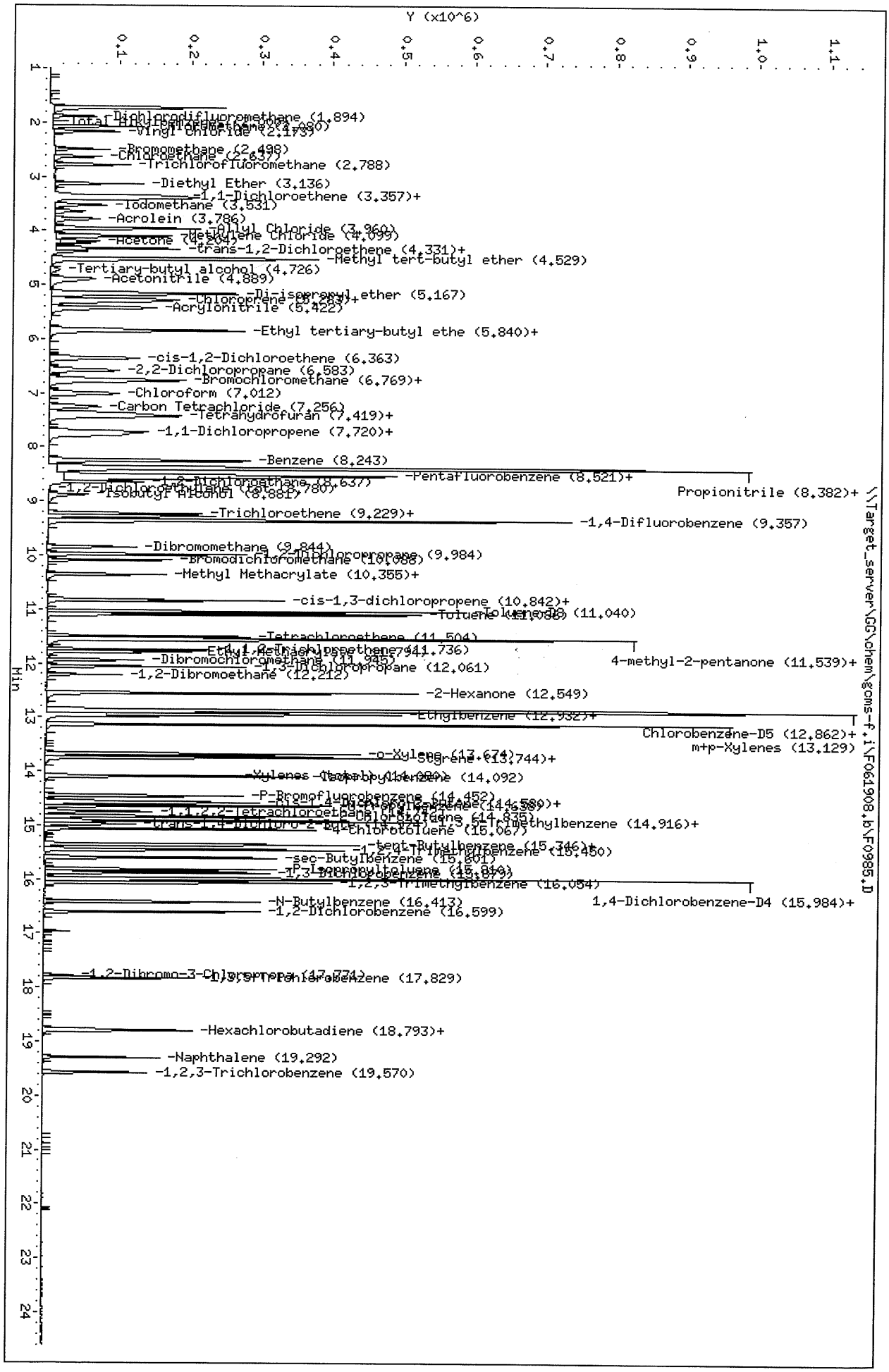
COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	395343	197672	790686	382798	-3.17
49 1,4-Difluorobenze	659511	329756	1319022	635145	-3.69
66 Chlorobenzene-D5	548409	274205	1096818	528374	-3.65
91 1,4-Dichlorobenze	256401	128201	512802	244328	-4.71

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	8.53	8.03	9.03	8.53	-0.01
49 1,4-Difluorobenze	9.36	8.86	9.86	9.36	-0.01
66 Chlorobenzene-D5	12.86	12.36	13.36	12.86	-0.00
91 1,4-Dichlorobenze	15.98	15.48	16.48	15.98	-0.00

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.

Data File: \\Target_server\GC\chem\gcms-f.i\F061908.b\F0985.D
Date : 19-JUN-2008 13:43
Client ID:
Sample Info: WSTD020F19A
Purge Volume: 5.0
Column phase: RTX-VMS

Instrument: gcms-f.i
Operator: TTC
Column diameter: 0.18



Data File: \\Target_server\GG\chem\gcms-f.i\F061908.b\F0986.D
Report Date: 25-Jun-2008 10:46

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gcms-f.i\F061908.b\F0986.D
Lab Smp Id: VSTD005F19A
Inj Date : 19-JUN-2008 14:14
Operator : TTC Inst ID: gcms-f.i
Smp Info : VSTD005F19A
Misc Info : SW846 8260B
Comment :
Method : \\target_server\GG\chem\gcms-f.i\F061908.b\F826a09.m
Meth Date : 20-Jun-2008 06:13 sthompson Quant Type: ISTD
Cal Date : 19-JUN-2008 14:14 Cal File: F0986.D
Als bottle: 5 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.12
Processing Host: V200T3

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	sample purged
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)	REVIEW CODE
1 Dichlorodifluoromethane	85	1.886	1.883	(0.221)	17070	5.00000	5.8	
2 Chloromethane	50	2.083	2.080	(0.244)	35538	5.00000	5.8	
3 Vinyl chloride	62	2.164	2.162	(0.254)	29470	5.00000	5.6	
4 Bromomethane	94	2.501	2.498	(0.293)	16170	5.00000	5.6	
5 Chloroethane	64	2.640	2.638	(0.310)	19648	5.00000	6.1	
6 Trichlorofluoromethane	101	2.791	2.788	(0.327)	24986	5.00000	5.8	
7 Diethyl Ether	59	3.139	3.137	(0.368)	19441	5.00000	4.9	
8 Tertiary-butyl alcohol	59	4.718	4.715	(0.553)	5931	25.0000	23.1	
9 1,1-Dichloroethene	96	3.360	3.357	(0.394)	18755	5.00000	5.6	
10 Carbon Disulfide	76	3.383	3.380	(0.397)	62062	5.00000	5.7	
11 Freon-113	151	3.406	3.415	(0.400)	12480	5.00000	5.4	
12 Iodomethane	142	3.522	3.531	(0.413)	24228	5.00000	5.1	
13 Acrolein	56	3.789	3.787	(0.445)	21050	25.0000	24.7	
14 Methylene Chloride	84	4.102	4.099	(0.481)	25450	5.00000	5.5	
15 Acetone	43	4.207	4.203	(0.494)	43840	25.0000	27.5	
16 Isobutyl Alcohol	43	8.884	8.882	(1.042)	11240	100.000	79.6	
17 trans-1,2-Dichloroethene	96	4.323	4.332	(0.507)	21351	5.00000	5.2	
18 Allyl Chloride	41	3.963	3.961	(0.465)	47022	5.00000	5.1	
19 Methyl tert-butyl ether	73	4.520	4.518	(0.530)	109473	10.0000	9.4	
20 Acetonitrile	39	4.892	4.889	(0.574)	8320	50.0000	53.7	
21 Di-isopropyl ether	45	5.159	5.168	(0.605)	85681	5.00000	4.2	
22 Chloroprene	53	5.275	5.272	(0.619)	35474	5.00000	4.6	
23 Propionitrile	54	8.350	8.359	(0.980)	34751	50.0000	49.8	

Data File: \\Target_server\GG\chem\gcms-f.i\F061908.b\F0986.D
Report Date: 25-Jun-2008 10:46

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)	REVIEW COD
	24 Methacrylonitrile	41	8.385	8.394	(0.984)	183609	50.0000	46.4	
	25 1,1-Dichloroethane	63	5.310	5.307	(0.623)	44626	5.00000	5.3	
	26 Acrylonitrile	52	5.426	5.435	(0.636)	41164	25.0000	23.8	
	27 Ethyl tertiary-butyl ether	59	5.843	5.841	(0.686)	63409	5.00000	4.3	
	28 Vinyl Acetate	43	5.855	5.852	(0.626)	54428	5.00000	4.3	
	29 cis-1,2-Dichloroethene	96	6.354	6.351	(0.745)	22233	5.00000	5.1	
M	30 1,2-Dichloroethylene (total)	96				43584	5.00000	10.3	
	31 Methyl Methacrylate	41	10.347	10.344	(1.105)	17072	5.00000	3.8	
	32 2,2-Dichloropropane	77	6.575	6.584	(0.771)	26862	5.00000	5.2	
	33 Bromochloromethane	128	6.783	6.781	(0.796)	9568	5.00000	5.2	
	34 Chloroform	83	7.004	7.001	(0.822)	36390	5.00000	5.3	
	35 Carbon Tetrachloride	117	7.248	7.257	(0.774)	22419	5.00000	5.6	
	36 Tetrahydrofuran	42	7.375	7.361	(0.865)	33521	25.0000	22.3	
$	37 Dibromofluoromethane	113	7.433	7.431	(0.872)	22210	5.00000	5.2	
	38 1,1,1-Trichloroethane	97	7.422	7.419	(0.871)	28940	5.00000	5.6	
	39 1,1-Dichloropropene	75	7.724	7.721	(0.825)	26666	5.00000	5.0	
	40 2-Butanone	43	7.770	7.767	(0.912)	60078	25.0000	23.9	
	41 Benzene	78	8.246	8.243	(0.881)	86527	5.00000	5.0	
*	42 Pentafluorobenzene	168	8.524	8.532	(1.000)	371045	50.0000		
	43 Cyclohexane	56	6.749	6.746	(0.792)	29188	5.00000	4.9	
	44 Ethyl Methacrylate	69	11.786	11.783	(1.259)	18513	5.00000	3.6	
$	45 1,2-Dichloroethane-D4	65	8.513	8.510	(0.999)	28611	5.00000	5.3	
	46 Tertiary-amyl methyl ether	73	8.571	8.568	(1.005)	52800	5.00000	4.5	
	47 1,2-Dichloroethane	62	8.640	8.638	(0.923)	31815	5.00000	5.3	
	48 Trichloroethene	95	9.267	9.265	(0.990)	21525	5.00000	5.2	
*	49 1,4-Difluorobenzene	114	9.360	9.357	(1.000)	621603	50.0000		
	50 Dibromomethane	93	9.847	9.845	(1.052)	12316	5.00000	5.1	
	51 1,2-Dichloropropane	63	9.987	9.984	(1.067)	23426	5.00000	5.0	
	52 Bromodichloromethane	83	10.091	10.089	(1.078)	28426	5.00000	5.1	
	53 cis-1,3-dichloropropene	75	10.834	10.843	(1.157)	33666	5.00000	4.6	
	54 1,4-Dioxane	88	10.358	10.356	(1.107)	4837	100.000	126	
$	55 Toluene-D8	98	11.043	11.040	(1.180)	74340	5.00000	4.6	
	56 2-Chloroethylvinylether	63	10.811	10.808	(1.155)	10422	5.00000	3.9	
	57 Toluene	92	11.089	11.087	(1.185)	50744	5.00000	4.9	
	58 4-methyl-2-pentanone	43	11.542	11.539	(1.233)	124570	25.0000	23.3	
	59 Tetrachloroethene	164	11.496	11.505	(0.894)	18990	5.00000	5.7	
	60 trans-1,3-Dichloropropene	75	11.565	11.563	(1.236)	29965	5.00000	5.0	
	61 1,1,2-Trichloroethane	83	11.739	11.737	(1.254)	15792	5.00000	5.0	
	62 Dibromochloromethane	129	11.937	11.946	(0.928)	17155	5.00000	4.9	
	63 1,3-Dichloropropane	76	12.053	12.062	(0.937)	34197	5.00000	4.9	
	64 1,2-Dibromoethane	107	12.215	12.212	(1.305)	16881	5.00000	4.8	
	65 2-Hexanone	43	12.552	12.549	(0.976)	68769	25.0000	20.1	
*	66 Chlorobenzene-D5	117	12.865	12.862	(1.000)	520312	50.0000		
	67 Chlorobenzene	112	12.877	12.886	(1.001)	56507	5.00000	5.2	
	152 1-Chlorohexane	91	12.877	12.886	(1.511)	26177	5.00000	5.1	
	68 Ethylbenzene	106	12.935	12.932	(1.005)	27028	5.00000	5.0	
	69 1,1,1,2-Tetrachloroethane	131	12.970	12.967	(1.008)	17137	5.00000	5.0	
M	70 Xylenes (total)	106				90919	15.0000	13.9	
	71 m+p-Xylenes	106	13.132	13.129	(1.021)	64963	10.0000	9.6	
	72 o-Xylene	106	13.677	13.675	(1.063)	25956	5.00000	4.3	
	73 Styrene	104	13.747	13.744	(1.069)	47054	5.00000	4.3	
	74 Bromoform	173	13.759	13.756	(1.069)	10692	5.00000	4.8(T)	
	75 Isopropylbenzene	105	14.084	14.093	(0.881)	55779	5.00000	4.5	
$	76 P-Bromofluorobenzene	95	14.443	14.441	(1.543)	25391	5.00000	4.5	

Data File: \\Target_server\GG\chem\gcms-f.i\F061908.b\F0986.D
Report Date: 25-Jun-2008 10:46

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)	REVIEW COD
77 cis-1,4-Dichloro-2-Butene	53	14.548	14.545	(0.910)	6949	5.00000	4.3	
78 trans-1,4-Dichloro-2-Butene	53	14.977	14.975	(0.937)	7433	5.00000	4.6	
79 Bromobenzene	156	14.571	14.580	(0.911)	17717	5.00000	4.9	
80 N-Propylbenzene	91	14.641	14.638	(0.916)	84321	5.00000	4.8	
81 1,1,2,2-Tetrachloroethane	83	14.734	14.743	(0.922)	21800	5.00000	5.2	
82 1,3,5-Trimethylbenzene	105	14.919	14.917	(0.933)	50171	5.00000	4.5	
83 2-Chlorotoluene	91	14.838	14.835	(0.928)	51816	5.00000	4.8	
84 1,2,3-Trichloropropane	75	14.908	14.905	(0.932)	19903	5.00000	5.4	
85 4-Chlorotoluene	91	15.059	15.068	(0.942)	54943	5.00000	4.8	
86 tert-Butylbenzene	119	15.349	15.346	(0.960)	40994	5.00000	4.3	
87 Pentachloroethane	117	15.360	15.358	(0.961)	7951	5.00000	3.9	
88 1,2,4-Trimethylbenzene	105	15.453	15.451	(0.967)	51802	5.00000	4.4	
89 P-Isopropyltoluene	119	15.813	15.810	(0.989)	38821	5.00000	4.2	
90 1,3-Dichlorobenzene	146	15.871	15.880	(0.993)	31869	5.00000	5.0	
* 91 1,4-Dichlorobenzene-D4	152	15.987	15.984	(1.000)	235054	50.0000		
92 1,4-Dichlorobenzene	146	15.999	16.008	(1.001)	36046	5.00000	5.4	
93 N-Butylbenzene	91	16.405	16.402	(1.026)	38538	5.00000	4.4	
94 sec-Butylbenzene	105	15.592	15.601	(0.975)	58343	5.00000	4.8	
95 1,2-Dichlorobenzene	146	16.602	16.600	(1.038)	27828	5.00000	4.8	
96 1,2-Dibromo-3-Chloropropane	75	17.774	17.772	(1.112)	3092	5.00000	5.5	
97 1,3,5-Trichlorobenzene	180	17.832	17.830	(1.115)	15275	5.00000	4.4	
98 Hexachlorobutadiene	225	18.773	18.782	(1.174)	7899	5.00000	6.4	
99 1,2,4-Trichlorobenzene	180	18.796	18.793	(1.176)	12918	5.00000	4.6	
100 1,2,3-Trimethylbenzene	105	16.057	16.053	(1.004)	55322	5.00000	4.4	
101 Naphthalene	128	19.295	19.292	(1.207)	22302	5.00000	3.9	
102 1,2,3-Trichlorobenzene	180	19.573	19.571	(1.224)	12419	5.00000	5.6	
103 Methyl Acetate	43	4.393	4.390	(0.515)	24816	5.00000	5.1	
104 Methylcyclohexane	83	9.232	9.230	(1.083)	20057	5.00000	4.5	
M 153 Total Alkylbenzenes	100				362990	5.00000	31.6	

QC Flag Legend

T - Target compound detected outside RT window.

Data File: \\Target_server\GG\chem\gcms-f.i\F061908.b\F0986.D
Report Date: 25-Jun-2008 10:46

Katahdin Analytical Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcms-f.i
Lab File ID: F0986.D
Lab Smp Id: VSTD005F19A
Analysis Type: VOA
Quant Type: ISTD
Operator: TTC
Method File: \\target_server\GG\chem\gcms-f.i\F061908.b\F826a09.m
Misc Info: SW846 8260B

Calibration Date: 19-JUN-2008
Calibration Time: 13:13

Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 4

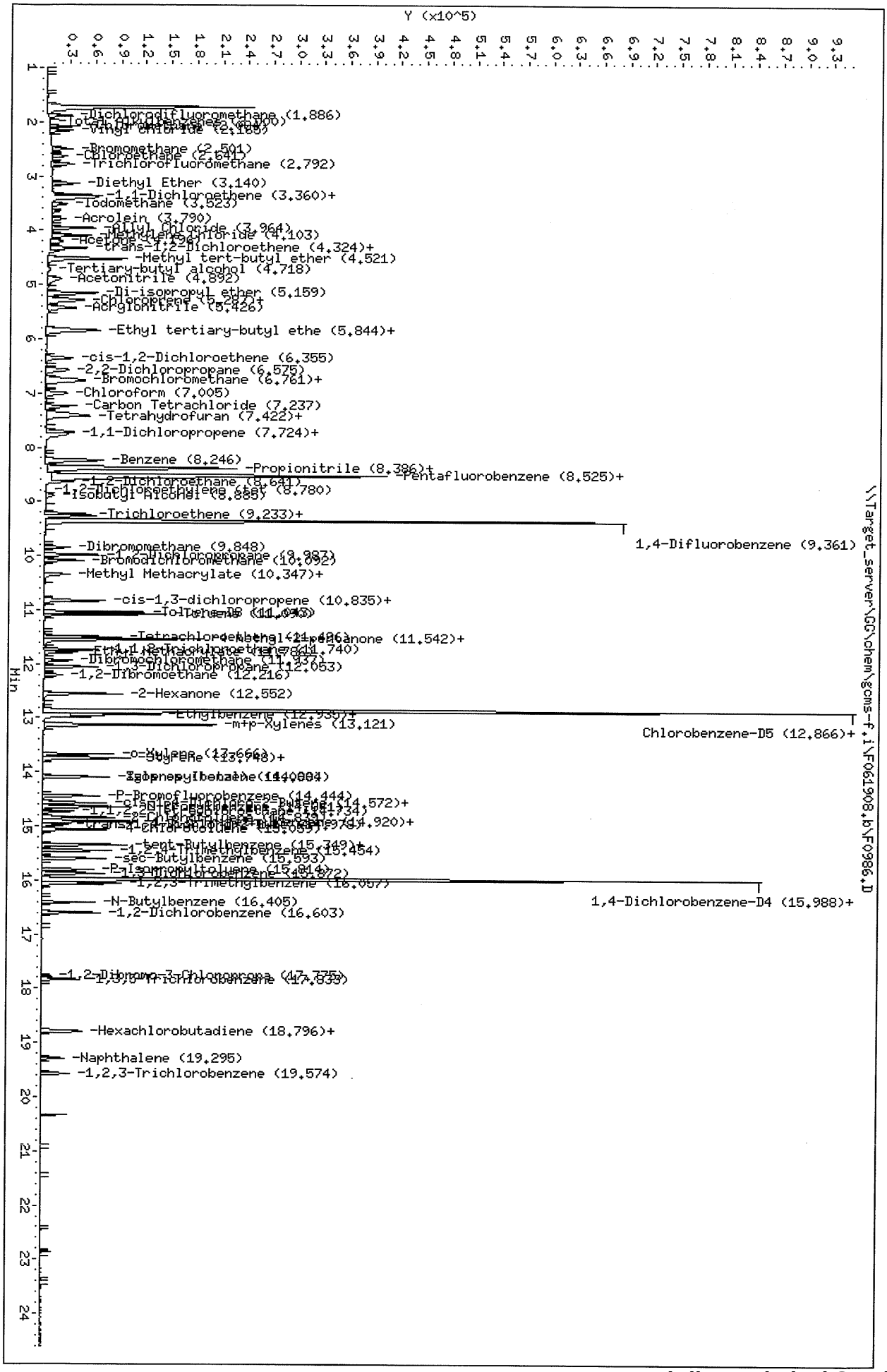
COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	395343	197672	790686	371045	-6.15
49 1,4-Difluorobenze	659511	329756	1319022	621603	-5.75
66 Chlorobenzene-D5	548409	274205	1096818	520312	-5.12
91 1,4-Dichlorobenze	256401	128201	512802	235054	-8.33

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	8.53	8.03	9.03	8.52	-0.10
49 1,4-Difluorobenze	9.36	8.86	9.86	9.36	0.03
66 Chlorobenzene-D5	12.86	12.36	13.36	12.87	0.02
91 1,4-Dichlorobenze	15.98	15.48	16.48	15.99	0.02

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.

Data File: \\Target_server\GC\chem\gcms-f.i\F061908.b\F0986.D
Date : 19-JUN-2008 14:14
Client ID:
Sample Info: VSTD005F19A
Purge Volume: 5.0
Column phase: RTX-VMS

Instrument: gcms-f.i
Operator: TTC
Column diameter: 0.18



Data File: \\Target_server\GG\chem\gcms-f.i\F061908.b\F0987.D
Report Date: 25-Jun-2008 10:46

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gcms-f.i\F061908.b\F0987.D
Lab Smp Id: VSTD001F19A
Inj Date : 19-JUN-2008 14:45
Operator : TTC Inst ID: gcms-f.i
Smp Info : VSTD001F19A
Misc Info : SW846 8260B
Comment :
Method : \\target_server\GG\chem\gcms-f.i\F061908.b\F826a09.m
Meth Date : 20-Jun-2008 06:13 sthompson Quant Type: ISTD
Cal Date : 19-JUN-2008 14:45 Cal File: F0987.D
Als bottle: 6 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.12
Processing Host: V200T3

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	sample purged
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)	REVIEW COD
1 Dichlorodifluoromethane	85	1.886	1.883	(0.221)	2963	1.00000	1.0	
2 Chloromethane	50	2.083	2.080	(0.244)	5921	1.00000	1.0	
3 Vinyl chloride	62	2.165	2.162	(0.254)	4711	1.00000	0.96(a)	
4 Bromomethane	94	2.501	2.498	(0.293)	3573	1.00000	1.3	
5 Chloroethane	64	2.640	2.638	(0.310)	3479	1.00000	1.1	
6 Trichlorofluoromethane	101	2.791	2.788	(0.327)	4164	1.00000	1.0	
7 Diethyl Ether	59	3.139	3.137	(0.368)	3489	1.00000	0.95(a)	
8 Tertiary-butyl alcohol	59	4.730	4.715	(0.555)	990	5.00000	4.2(a)	
9 1,1-Dichloroethene	96	3.360	3.357	(0.394)	3438	1.00000	1.1	
10 Carbon Disulfide	76	3.383	3.380	(0.397)	11270	1.00000	1.1	
11 Freon-113	151	3.406	3.415	(0.400)	2024	1.00000	0.94(a)	
12 Iodomethane	142	3.534	3.531	(0.415)	4069	1.00000	0.92(a)	
13 Acrolein	56	3.789	3.787	(0.445)	3738	5.00000	4.7(a)	
14 Methylene Chloride	84	4.103	4.099	(0.481)	5374	1.00000	1.2(a)	
15 Acetone	43	4.207	4.203	(0.494)	8449	5.00000	5.5	
16 Isobutyl Alcohol	43	8.884	8.882	(1.042)	1538	20.0000	12.5(a)	
17 trans-1,2-Dichloroethene	96	4.335	4.332	(0.509)	3917	1.00000	1.0	
18 Allyl Chloride	41	3.964	3.961	(0.465)	8447	1.00000	0.98(a)	
19 Methyl tert-butyl ether	73	4.532	4.518	(0.532)	16193	2.00000	1.6	
20 Acetonitrile	39	4.892	4.889	(0.574)	1655	10.0000	11.1(a)	
21 Di-isopropyl ether	45	5.171	5.168	(0.607)	13238	1.00000	0.74(a)	
22 Chloroprene	53	5.275	5.272	(0.619)	4756	1.00000	0.69(a)	
23 Propionitrile	54	8.351	8.359	(0.980)	5461	10.0000	8.6(a)	

Data File: \\Target_server\GG\chem\gcms-f.i\F061908.b\F0987.D
Report Date: 25-Jun-2008 10:46

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)	REVIEW COD
	24 Methacrylonitrile	41	8.397	8.394	(0.985)	24619	10.0000	7.0(a)	
	25 1,1-Dichloroethane	63	5.310	5.307	(0.623)	7776	1.00000	0.99(a)	
	26 Acrylonitrile	52	5.426	5.435	(0.637)	6434	5.00000	4.1(a)	
	27 Ethyl tertiary-butyl ether	59	5.832	5.841	(0.684)	8531	1.00000	0.65(a)	
	28 Vinyl Acetate	43	5.855	5.852	(0.626)	8398	1.00000	0.73(a)	
	29 cis-1,2-Dichloroethene	96	6.354	6.351	(0.745)	3380	1.00000	0.85(a)	
M	30 1,2-Dichloroethylene (total)	96				7297	1.00000	1.9(a)	
	31 Methyl Methacrylate	41	10.347	10.344	(1.105)	2388	1.00000	0.60(a)	
	32 2,2-Dichloropropane	77	6.575	6.584	(0.771)	4619	1.00000	0.96(a)	
	33 Bromochloromethane	128	6.784	6.781	(0.796)	1650	1.00000	0.96(a)	
	34 Chloroform	83	7.016	7.001	(0.823)	6536	1.00000	1.0	
	35 Carbon Tetrachloride	117	7.248	7.257	(0.774)	3789	1.00000	0.99(a)	
	36 Tetrahydrofuran	42	7.387	7.361	(0.867)	4950	5.00000	3.7(a)	
$	37 Dibromofluoromethane	113	7.434	7.431	(0.872)	3947	1.00000	0.98(a)	
	38 1,1,1-Trichloroethane	97	7.422	7.419	(0.871)	4509	1.00000	0.94(a)	
	39 1,1-Dichloropropene	75	7.724	7.721	(0.825)	3932	1.00000	0.79(a)	
	40 2-Butanone	43	7.782	7.767	(0.913)	8206	5.00000	3.7(a)	
	41 Benzene	78	8.246	8.243	(0.881)	14062	1.00000	0.87(a)	
*	42 Pentafluorobenzene	168	8.525	8.532	(1.000)	347676	50.0000		
	43 Cyclohexane	56	6.749	6.746	(0.792)	4028	1.00000	0.75(a)	
	44 Ethyl Methacrylate	69	11.786	11.783	(1.259)	2199	1.00000	0.49(a)	
$	45 1,2-Dichloroethane-D4	65	8.513	8.510	(0.999)	5617	1.00000	1.1	
	46 Tertiary-amyl methyl ether	73	8.583	8.568	(1.007)	8542	1.00000	0.80(a)	
	47 1,2-Dichloroethane	62	8.641	8.638	(0.923)	5530	1.00000	0.97(a)	
	48 Trichloroethene	95	9.267	9.265	(0.990)	3477	1.00000	0.89(a)	
*	49 1,4-Difluorobenzene	114	9.360	9.357	(1.000)	596476	50.0000		
	50 Dibromomethane	93	9.848	9.845	(1.052)	2292	1.00000	0.99(a)	
	51 1,2-Dichloropropane	63	9.987	9.984	(1.067)	4064	1.00000	0.92(a)	
	52 Bromodichloromethane	83	10.092	10.089	(1.078)	4951	1.00000	0.94(a)	SKT 062508Y
	53 cis-1,3-dichloropropene	75	10.846	10.843	(1.159)	4973	1.00000	0.75(a)	
	54 1,4-Dioxane	88	10.370	10.356	(1.108)	717	20.0000	19.5(a)	
$	55 Toluene-D8	98	11.043	11.040	(1.180)	10759	1.00000	0.74(a)	
	56 2-Chloroethylvinylether	63	10.811	10.808	(1.155)	1391	1.00000	0.58(a)	
	57 Toluene	92	11.090	11.087	(1.185)	6753	1.00000	0.72(a)	
	58 4-methyl-2-pentanone	43	11.542	11.539	(1.233)	14682	5.00000	3.1(a)	
	59 Tetrachloroethene	164	11.496	11.505	(0.894)	2504	1.00000	0.82(a)	
	60 trans-1,3-Dichloropropene	75	11.565	11.563	(1.236)	4028	1.00000	0.73(a)	
	61 1,1,2-Trichloroethane	83	11.740	11.737	(1.254)	2864	1.00000	0.96(a)	
	62 Dibromochloromethane	129	11.937	11.946	(0.928)	2808	1.00000	0.86(a)	
	63 1,3-Dichloropropane	76	12.053	12.062	(0.937)	5243	1.00000	0.82(a)	
	64 1,2-Dibromoethane	107	12.215	12.212	(1.305)	2659	1.00000	0.82(aM)	M6
	65 2-Hexanone	43	12.552	12.549	(0.976)	8588	5.00000	2.9(a)	
*	66 Chlorobenzene-D5	117	12.865	12.862	(1.000)	493668	50.0000		
	67 Chlorobenzene	112	12.877	12.886	(1.001)	10302	1.00000	1.00	
	152 1-Chlorohexane	91	12.877	12.886	(1.511)	5496	1.00000	1.1	
	68 Ethylbenzene	106	12.935	12.932	(1.005)	4301	1.00000	0.87(a)	
	69 1,1,1,2-Tetrachloroethane	131	12.970	12.967	(1.008)	3071	1.00000	0.95(aM)	M10
M	70 Xylenes (total)	106				12352	5.00000	2.1(a)	
	71 m+p-Xylenes	106	13.132	13.129	(1.021)	8968	2.00000	1.5(a)	
	72 o-Xylene	106	13.678	13.675	(1.063)	3384	1.00000	0.63(a)	
	73 Styrene	104	13.747	13.744	(1.069)	5269	1.00000	0.55(a)	
	74 Bromoform	173	13.759	13.756	(1.069)	1700	1.00000	0.83(Ta)	
	75 Isopropylbenzene	105	14.084	14.093	(0.881)	6202	1.00000	0.59(a)	
$	76 P-Bromofluorobenzene	95	14.444	14.441	(1.543)	3662	1.00000	0.72(a)	

Data File: \\Target_server\GG\chem\gcms-f.i\F061908.b\F0987.D
Report Date: 25-Jun-2008 10:46

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)	REVIEW COD
77 cis-1,4-Dichloro-2-Butene	53	14.548	14.545	(0.910)	907	1.00000	0.64(a)	
78 trans-1,4-Dichloro-2-Butene	53	14.978	14.975	(0.937)	901	1.00000	0.64(a)	
79 Bromobenzene	156	14.583	14.580	(0.912)	2437	1.00000	0.76(a)	
80 N-Propylbenzene	91	14.641	14.638	(0.916)	9277	1.00000	0.62(a)	
81 1,1,2,2-Tetrachloroethane	83	14.734	14.743	(0.922)	3885	1.00000	1.0	
82 1,3,5-Trimethylbenzene	105	14.920	14.917	(0.933)	5724	1.00000	0.60(a)	
83 2-Chlorotoluene	91	14.838	14.835	(0.928)	6657	1.00000	0.70(a)	
84 1,2,3-Trichloropropane	75	14.908	14.905	(0.932)	3421	1.00000	1.0	
85 4-Chlorotoluene	91	15.071	15.068	(0.943)	6811	1.00000	0.68(a)	
86 tert-Butylbenzene	119	15.349	15.346	(0.960)	5011	1.00000	0.62(a)	
87 Pentachloroethane	117	15.361	15.358	(0.961)	1697	1.00000	0.92(a)	
88 1,2,4-Trimethylbenzene	105	15.454	15.451	(0.967)	5310	1.00000	0.54(a)	
89 P-Isopropyltoluene	119	15.813	15.810	(0.989)	4188	1.00000	0.54(a)	
90 1,3-Dichlorobenzene	146	15.871	15.880	(0.993)	4421	1.00000	0.79(a)	
* 91 1,4-Dichlorobenzene-D4	152	15.987	15.984	(1.000)	216996	50.0000		
92 1,4-Dichlorobenzene	146	16.011	16.008	(1.001)	6335	1.00000	1.0	
93 N-Butylbenzene	91	16.405	16.402	(1.026)	4835	1.00000	0.64(a)	
94 sec-Butylbenzene	105	15.593	15.601	(0.975)	6485	1.00000	0.62(a)	
95 1,2-Dichlorobenzene	146	16.603	16.600	(1.038)	4300	1.00000	0.83(a)	
96 1,2-Dibromo-3-Chloropropane	75	17.775	17.772	(1.112)	488	1.00000	0.95(a)	
97 1,3,5-Trichlorobenzene	180	17.833	17.830	(1.115)	2366	1.00000	0.77(a)	
98 Hexachlorobutadiene	225	18.773	18.782	(1.174)	1709	1.00000	1.4	
99 1,2,4-Trichlorobenzene	180	18.796	18.793	(1.176)	1932	1.00000	0.77(a)	
100 1,2,3-Trimethylbenzene	105	16.057	16.053	(1.004)	8204	1.00000	0.74(a)	
101 Naphthalene	128	19.295	19.292	(1.207)	3570	1.00000	0.71(a)	
102 1,2,3-Trichlorobenzene	180	19.574	19.571	(1.224)	2055	1.00000	1.00	
103 Methyl Acetate	43	4.393	4.390	(0.515)	4383	1.00000	0.96(a)	
104 Methylcyclohexane	83	9.233	9.230	(1.083)	2419	1.00000	0.62(a)	
M 153 Total Alkylbenzenes	100				40830	1.00000	4.2(a)	

QC Flag Legend

T - Target compound detected outside RT window.
a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).
M - Compound response manually integrated.

Data File: \\Target_server\GG\chem\gcms-f.i\F061908.b\F0987.D
Report Date: 25-Jun-2008 10:46

Katahdin Analytical Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcms-f.i
Lab File ID: F0987.D
Lab Smp Id: VSTD001F19A
Analysis Type: VOA
Quant Type: ISTD
Operator: TTC
Method File: \\target_server\GG\chem\gcms-f.i\F061908.b\F826a09.m
Misc Info: SW846 8260B

Calibration Date: 19-JUN-2008
Calibration Time: 13:13

Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 4

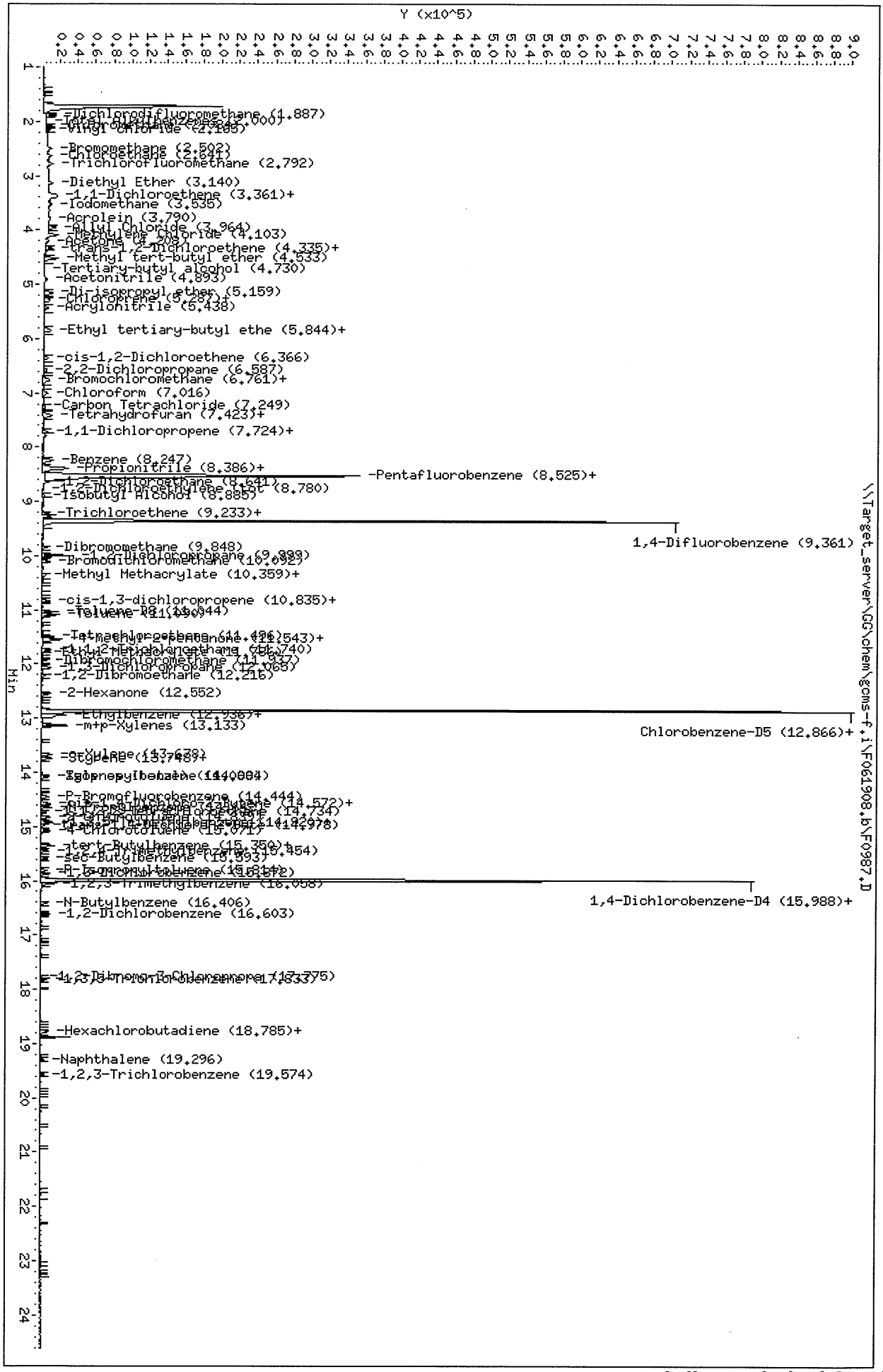
COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	395343	197672	790686	347676	-12.06
49 1,4-Difluorobenze	659511	329756	1319022	596476	-9.56
66 Chlorobenzene-D5	548409	274205	1096818	493668	-9.98
91 1,4-Dichlorobenze	256401	128201	512802	216996	-15.37

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	8.53	8.03	9.03	8.53	-0.10
49 1,4-Difluorobenze	9.36	8.86	9.86	9.36	0.04
66 Chlorobenzene-D5	12.86	12.36	13.36	12.87	0.03
91 1,4-Dichlorobenze	15.98	15.48	16.48	15.99	0.02

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.

Data File: \\Target_server\GC\chem\gcms-f.i\F061908.b\F0987.D
Date : 19-JUN-2008 14:45
Client ID:
Sample Info: VSTD001F19A
Purge Volume: 5.0
Column phase: RTX-VMS

Instrument: gcms-f.i
Operator: TTC
Column diameter: 0.18



FORM 7B
VOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 426 NLON SDG No.: CTO426-4

Instrument ID: GCMS-F Calibration Date: ~~01/01/90~~ 06/20/08 Time: ~~0332~~ 0923

Lab File ID: F0994 Init. Calib. Date(s): 06/19/08 06/19/08 06/25/08

Init. Calib. Times: 1211 1445

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	
Methyl tert-butyl ether	1.4940000	1.6770000	1.6770000	0.01	12.25		AVRG	
Benzene	1.3530000	1.4485000	1.4485000	0.01	7.06		AVRG	
Toluene	0.7900000	0.8822500	0.8822500	0.01	11.68	20.00	AVRG	
Ethylbenzene	0.5020000	0.5246600	0.5246600	0.01	4.51	20.00	AVRG	
Xylenes (total)	0.0000000	0.6599400	0.6599400	0.01	0.00		AVRG	<-
m+p-Xylenes	0.6180000	0.6859800	0.6859800	0.01	11.00		AVRG	
o-Xylene	49.531000	50.000000	0.6078400	0.01	-0.94		LINR	
Isopropylbenzene	49.115000	50.000000	2.7459000	0.01	-1.77		LINR	
Naphthalene	54.068000	50.000000	1.3800000	0.01	8.14		LINR	
Dibromofluoromethane	0.5770000	0.5372700	0.5372700	0.01	-6.88		AVRG	
1,2-Dichloroethane-D4	0.7360000	0.6887000	0.6887000	0.01	-6.43		AVRG	
Toluene-D8	1.2240000	1.2042000	1.2042000	0.01	-1.62		AVRG	
P-Bromofluorobenzene	46.427000	50.000000	0.4472800	0.01	-7.15		LINR	

FORM VII VOA

Data File: \\Target_server\GG\chem\gcms-f.i\F062008.b\F0994.D
Report Date: 25-Jun-2008 10:52

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gcms-f.i\F062008.b\F0994.D
Lab Smp Id: VSTD050F20A
Inj Date : 01-JAN-1990 03:32 MS Autotune Date: 01-JAN-1990 15:37
Operator : TTC Inst ID: gcms-f.i
Smp Info : VSTD050F20A
Misc Info : SW846 8260B
Comment :
Method : \\Target_server\GG\chem\gcms-f.i\F062008.b\F826a09.m
Meth Date : 20-Jun-2008 09:12 tcote Quant Type: ISTD
Cal Date : 19-JUN-2008 14:45 Cal File: F0987.D
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.12
Processing Host: TARGET06

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	sample purged
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)	REVIEW CODE
1 Dichlorodifluoromethane	85	1.875	1.883	(0.220)	156538	50.0000	55.4	
2 Chloromethane	50	2.072	2.080	(0.243)	307995	50.0000	52.9	
3 Vinyl chloride	62	2.153	2.162	(0.253)	268498	50.0000	54.6	
4 Bromomethane	94	2.490	2.498	(0.293)	132692	50.0000	46.5	
5 Chloroethane	64	2.629	2.638	(0.309)	169945	50.0000	54.4	
6 Trichlorofluoromethane	101	2.768	2.788	(0.325)	245079	50.0000	60.1	
7 Diethyl Ether	59	3.128	3.137	(0.367)	195602	50.0000	52.7	
8 Tertiary-butyl alcohol	59	4.707	4.715	(0.553)	67826	250.000	288	
9 1,1-Dichloroethene	96	3.349	3.357	(0.393)	173442	50.0000	53.9	
10 Carbon Disulfide	76	3.372	3.380	(0.396)	566213	50.0000	53.8	
11 Freon-113	151	3.395	3.415	(0.399)	123783	50.0000	57.2	
12 Iodomethane	142	3.511	3.531	(0.412)	243612	50.0000	54.7	
13 Acrolein	56	3.778	3.787	(0.444)	206360	250.000	259	
14 Methylene Chloride	84	4.092	4.099	(0.481)	224197	50.0000	49.6	
15 Acetone	43	4.184	4.203	(0.492)	383420	250.000	250	
16 Isobutyl Alcohol	43	8.862	8.882	(1.041)	155092	1000.00	1070	
17 trans-1,2-Dichloroethene	96	4.312	4.332	(0.507)	201098	50.0000	52.1	
18 Allyl Chloride	41	3.941	3.961	(0.463)	456148	50.0000	52.3	
19 Methyl tert-butyl ether	73	4.509	4.518	(0.530)	1175297	100.000	112	
20 Acetonitrile	39	4.869	4.889	(0.572)	80660	500.000	539	
21 Di-isopropyl ether	45	5.148	5.168	(0.605)	969832	50.0000	47.8	
22 Chloroprene	53	5.252	5.272	(0.617)	398278	50.0000	51.5	
23 Propionitrile	54	8.339	8.359	(0.980)	368042	500.000	574	

Data File: \\Target_server\GG\chem\gcms-f.i\F062008.b\F0994.D
Report Date: 25-Jun-2008 10:52

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)	REVIEW COD
	24 Methacrylonitrile	41	8.374	8.394	(0.984)	2166003	500.000	614	
	25 1,1-Dichloroethane	63	5.287	5.307	(0.621)	417650	50.0000	52.9	
	26 Acrylonitrile	52	5.403	5.435	(0.635)	448103	250.000	284	
	27 Ethyl tertiary-butyl ether	59	5.821	5.841	(0.684)	739784	50.0000	49.3	
	28 Vinyl Acetate	43	5.821	5.852	(0.623)	652878	50.0000	52.4	
	29 cis-1,2-Dichloroethene	96	6.332	6.351	(0.744)	215655	50.0000	53.7	
M	30 1,2-Dichloroethylene (total)	96				416753	50.0000	106	
	31 Methyl Methacrylate	41	10.336	10.344	(1.107)	230394	50.0000	50.2	
	32 2,2-Dichloropropane	77	6.552	6.584	(0.770)	269916	50.0000	55.5	
	33 Bromochloromethane	128	6.761	6.781	(0.794)	90689	50.0000	52.4	
	34 Chloroform	83	6.981	7.001	(0.820)	347248	50.0000	53.6	
	35 Carbon Tetrachloride	117	7.225	7.257	(0.774)	207177	50.0000	56.0	
	36 Tetrahydrofuran	42	7.341	7.361	(0.862)	423680	250.000	314	
$	37 Dibromofluoromethane	113	7.399	7.431	(0.869)	188264	50.0000	46.6	
	38 1,1,1-Trichloroethane	97	7.399	7.419	(0.869)	271834	50.0000	56.6	
	39 1,1-Dichloropropene	75	7.689	7.721	(0.824)	267899	50.0000	55.8	
	40 2-Butanone	43	7.747	7.767	(0.910)	667812	250.000	296	
	41 Benzene	78	8.223	8.243	(0.881)	837672	50.0000	53.5	
*	42 Pentafluorobenzene	168	8.513	8.532	(1.000)	350411	50.0000		
	43 Cyclohexane	56	6.726	6.746	(0.790)	316908	50.0000	58.8	
	44 Ethyl Methacrylate	69	11.775	11.783	(1.261)	269811	50.0000	49.3	
$	45 1,2-Dichloroethane-D4	65	8.502	8.510	(0.999)	241330	50.0000	46.8	
	46 Tertiary-amyl methyl ether	73	8.560	8.568	(1.005)	596447	50.0000	55.8	
	47 1,2-Dichloroethane	62	8.618	8.638	(0.923)	306495	50.0000	55.2	
	48 Trichloroethene	95	9.256	9.265	(0.991)	202797	50.0000	53.8	
*	49 1,4-Difluorobenzene	114	9.338	9.357	(1.000)	578301	50.0000		
	50 Dibromomethane	93	9.837	9.845	(1.053)	120649	50.0000	53.8	
	51 1,2-Dichloropropane	63	9.964	9.984	(1.067)	228489	50.0000	53.6	
	52 Bromodichloromethane	83	10.080	10.089	(1.080)	276683	50.0000	54.1	
	53 cis-1,3-dichloropropene	75	10.823	10.843	(1.159)	351471	50.0000	54.7	
	54 1,4-Dioxane	88	10.347	10.356	(1.108)	21600	1000.00	607	
$	55 Toluene-D8	98	11.032	11.040	(1.181)	696386	50.0000	49.2	
	56 2-Chloroethylvinylether	63	10.800	10.808	(1.157)	116748	50.0000	43.0	
	57 Toluene	92	11.078	11.087	(1.186)	510207	50.0000	55.8	
	58 4-methyl-2-pentanone	43	11.531	11.539	(1.235)	1443802	250.000	282	
	59 Tetrachloroethene	164	11.485	11.505	(0.893)	148225	50.0000	48.8	
	60 trans-1,3-Dichloropropene	75	11.554	11.563	(1.237)	297508	50.0000	55.8	
	61 1,1,2-Trichloroethane	83	11.728	11.737	(1.256)	152657	50.0000	52.8	
	62 Dibromochloromethane	129	11.926	11.946	(0.928)	174115	50.0000	53.6	
	63 1,3-Dichloropropane	76	12.042	12.062	(0.937)	342548	50.0000	53.6	
	64 1,2-Dibromoethane	107	12.204	12.212	(1.307)	171552	50.0000	54.4	
	65 2-Hexanone	43	12.541	12.549	(0.976)	924667	250.000	271	
*	66 Chlorobenzene-D5	117	12.854	12.862	(1.000)	493926	50.0000		
	67 Chlorobenzene	112	12.877	12.886	(1.002)	514047	50.0000	49.8	
	152 1-Chlorohexane	91	12.877	12.886	(1.513)	256398	50.0000	51.6	
	68 Ethylbenzene	106	12.924	12.932	(1.005)	259141	50.0000	52.2	
	69 1,1,1,2-Tetrachloroethane	131	12.959	12.967	(1.008)	166886	50.0000	51.8	
M	70 Xylenes (total)	106				977877	150.000	160	
	71 m+p-Xylenes	106	13.121	13.129	(1.021)	677649	100.000	111	
	72 o-Xylene	106	13.667	13.675	(1.063)	300228	50.0000	49.5	
	73 Styrene	104	13.736	13.744	(1.069)	556138	50.0000	50.1	
	74 Bromoform	173	13.748	13.756	(1.070)	114163	50.0000	56.0(T)	
	75 Isopropylbenzene	105	14.084	14.093	(0.882)	632107	50.0000	49.1	
$	76 P-Bromofluorobenzene	95	14.433	14.441	(1.546)	258665	50.0000	46.4	

Data File: \\Target_server\GG\chem\gcms-f.i\F062008.b\F0994.D
Report Date: 25-Jun-2008 10:52

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)	REVIEW CODE
77 cis-1,4-Dichloro-2-Butene	53	14.537	14.545	(0.910)	85921	50.0000	50.0	
78 trans-1,4-Dichloro-2-Butene	53	14.966	14.975	(0.937)	83865	50.0000	50.1	
79 Bromobenzene	156	14.572	14.580	(0.912)	176012	50.0000	51.8	
80 N-Propylbenzene	91	14.630	14.638	(0.916)	860544	50.0000	48.6	
81 1,1,2,2-Tetrachloroethane	83	14.723	14.743	(0.922)	215379	50.0000	52.7	
82 1,3,5-Trimethylbenzene	105	14.908	14.917	(0.933)	572429	50.0000	49.8	
83 2-Chlorotoluene	91	14.827	14.835	(0.928)	554331	50.0000	49.9	
84 1,2,3-Trichloropropane	75	14.897	14.905	(0.932)	192644	50.0000	53.3	
85 4-Chlorotoluene	91	15.059	15.068	(0.943)	576685	50.0000	49.6	
86 tert-Butylbenzene	119	15.338	15.346	(0.960)	492662	50.0000	49.5	
87 Pentachloroethane	117	15.349	15.358	(0.961)	112421	50.0000	57.7	
88 1,2,4-Trimethylbenzene	105	15.442	15.451	(0.967)	613648	50.0000	50.9	
89 P-Isopropyltoluene	119	15.802	15.810	(0.989)	463565	50.0000	47.5	
90 1,3-Dichlorobenzene	146	15.872	15.880	(0.993)	306086	50.0000	51.6	
* 91 1,4-Dichlorobenzene-D4	152	15.976	15.984	(1.000)	230200	50.0000		
92 1,4-Dichlorobenzene	146	15.999	16.008	(1.001)	323448	50.0000	49.1	
93 N-Butylbenzene	91	16.394	16.402	(1.026)	418664	50.0000	46.2	
94 sec-Butylbenzene	105	15.582	15.601	(0.975)	619607	50.0000	49.4	
95 1,2-Dichlorobenzene	146	16.591	16.600	(1.039)	288875	50.0000	52.8	
96 1,2-Dibromo-3-Chloropropane	75	17.763	17.772	(1.112)	31801	50.0000	58.2	
97 1,3,5-Trichlorobenzene	180	17.822	17.830	(1.116)	171079	50.0000	52.7	
98 Hexachlorobutadiene	225	18.762	18.782	(1.174)	48675	50.0000	43.7	
99 1,2,4-Trichlorobenzene	180	18.785	18.793	(1.176)	139972	50.0000	52.8	
100 1,2,3-Trimethylbenzene	105	16.046	16.053	(1.004)	628477	50.0000	53.5	
101 Naphthalene	128	19.284	19.292	(1.207)	317689	50.0000	54.1	
102 1,2,3-Trichlorobenzene	180	19.562	19.571	(1.224)	104917	50.0000	48.0	
103 Methyl Acetate	43	4.370	4.390	(0.513)	259054	50.0000	56.6	
104 Methylcyclohexane	83	9.210	9.230	(1.082)	215968	50.0000	48.2	
M 153 Total Alkylbenzenes	100				4041119	50.0000	342	

QC Flag Legend

T - Target compound detected outside RT window.

Data File: \\Target_server\GG\chem\gcms-f.i\F062008.b\F0994.D
Report Date: 25-Jun-2008 10:52

Katahdin Analytical Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcms-f.i
Lab File ID: F0994.D
Lab Smp Id: VSTD050F20A
Analysis Type: VOA
Quant Type: ISTD
Operator: TTC
Method File: \\Target_server\GG\chem\gcms-f.i\F062008.b\F826a09.m
Misc Info: SW846 8260B

Calibration Date: 01-JAN-1990
Calibration Time: 03:32

Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 4

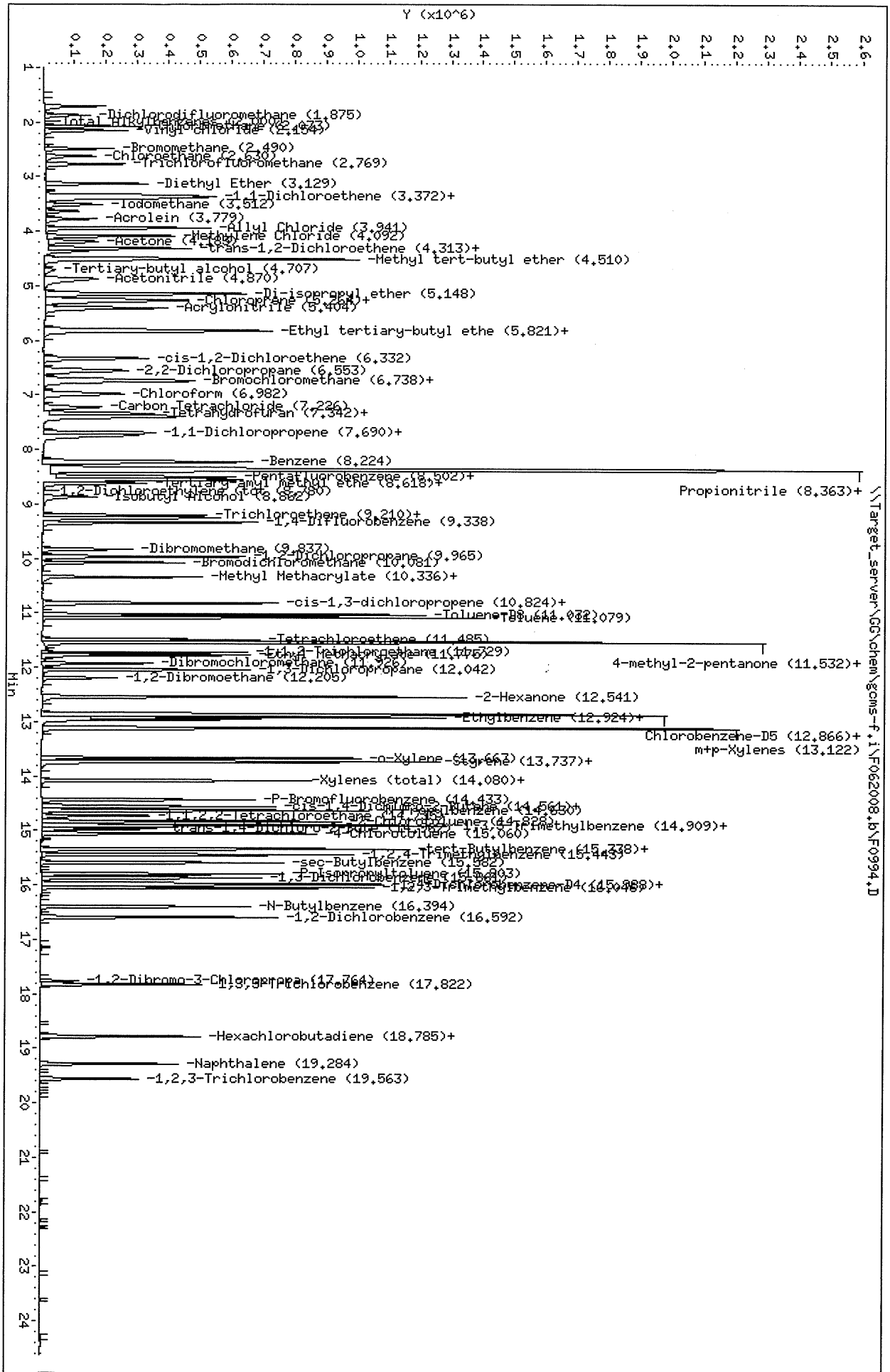
COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	395343	197672	790686	350411	-11.37
49 1,4-Difluorobenze	659511	329756	1319022	578301	-12.31
66 Chlorobenzene-D5	548409	274205	1096818	493926	-9.93
91 1,4-Dichlorobenze	256401	128201	512802	230200	-10.22

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	8.53	8.03	9.03	8.51	-0.23
49 1,4-Difluorobenze	9.36	8.86	9.86	9.34	-0.21
66 Chlorobenzene-D5	12.86	12.36	13.36	12.85	-0.06
91 1,4-Dichlorobenze	15.98	15.48	16.48	15.98	-0.05

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.

Data File: \\Target_server\GC\chem\gcms-f.i\F062008.b\F0994.D
Date : 01-JAN-1990 03:32
Client ID:
Sample Info: VSTD050F20A
Purge Volume: 5.0
Column phase: RTX-VMS

Instrument: gcms-f.i
Operator: TTC
Column diameter: 0.18



FORM 7B
VOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 426 NLON SDG No.: CTO426-4

Instrument ID: GCMS-F Calibration Date: 06/23/08 Time: 1010

Lab File ID: F1018 Init. Calib. Date(s): 06/19/08 06/19/08

Init. Calib. Times: 1211 1445

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	
Methyl tert-butyl ether	1.4940000	1.5623000	1.5623000	0.01	4.57		AVRG	
Benzene	1.3530000	1.3709000	1.3709000	0.01	1.32		AVRG	
Toluene	0.7900000	0.8251200	0.8251200	0.01	4.44	20.00	AVRG	
Ethylbenzene	0.5020000	0.4991800	0.4991800	0.01	-0.56	20.00	AVRG	
Xylenes (total)	0.0000000	0.6400100	0.6400100	0.01	0.00		AVRG	<-
m+p-Xylenes	0.6180000	0.6587300	0.6587300	0.01	6.59		AVRG	
o-Xylene	49.119000	50.000000	0.6025700	0.01	-1.76		LINR	
Isopropylbenzene	49.492000	50.000000	2.7684000	0.01	-1.02		LINR	
Naphthalene	40.204000	50.000000	1.0302000	0.01	-19.59		LINR	
Dibromofluoromethane	0.5770000	0.5245300	0.5245300	0.01	-9.09		AVRG	
1,2-Dichloroethane-D4	0.7360000	0.6699700	0.6699700	0.01	-8.97		AVRG	
Toluene-D8	1.2240000	1.1545000	1.1545000	0.01	-5.68		AVRG	
P-Bromofluorobenzene	49.265000	50.000000	0.4765800	0.01	-1.47		LINR	

Data File: \\Target_server\GG\chem\gcms-f.i\F062308.b\F1018.D
Report Date: 25-Jun-2008 10:52

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gcms-f.i\F062308.b\F1018.D
Lab Smp Id: VSTD050F23A
Inj Date : 23-JUN-2008 10:10 MS Autotune Date: 01-JAN-1990 15:37
Operator : TTC Inst ID: gcms-f.i
Smp Info : VSTD050F23A
Misc Info : SW846 8260B
Comment :
Method : \\Target_server\GG\chem\gcms-f.i\F062308.b\F826a09.m
Meth Date : 23-Jun-2008 10:33 tcote Quant Type: ISTD
Cal Date : 19-JUN-2008 14:45 Cal File: F0987.D
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.12
Processing Host: TARGET06

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	sample purged
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)	REVIEW CODE
1 Dichlorodifluoromethane	85	1.886	1.883	(0.221)	182604	50.0000	65.9	
2 Chloromethane	50	2.083	2.080	(0.244)	308239	50.0000	54.0	
3 Vinyl chloride	62	2.165	2.162	(0.254)	267525	50.0000	55.5	
4 Bromomethane	94	2.501	2.498	(0.293)	122263	50.0000	43.7	
5 Chloroethane	64	2.640	2.638	(0.310)	162829	50.0000	53.2	
6 Trichlorofluoromethane	101	2.780	2.788	(0.326)	255558	50.0000	63.9	
7 Diethyl Ether	59	3.128	3.137	(0.367)	184195	50.0000	50.6	
8 Tertiary-butyl alcohol	59	4.706	4.715	(0.552)	55249	250.000	239	
9 1,1-Dichloroethene	96	3.360	3.357	(0.394)	167498	50.0000	53.2	
10 Carbon Disulfide	76	3.383	3.380	(0.397)	521033	50.0000	50.5	
11 Freon-113	151	3.406	3.415	(0.400)	118343	50.0000	55.8	
12 Iodomethane	142	3.523	3.531	(0.413)	223333	50.0000	51.2	
13 Acrolein	56	3.778	3.787	(0.443)	185342	250.000	238	
14 Methylene Chloride	84	4.103	4.099	(0.481)	219473	50.0000	49.6	
15 Acetone	43	4.196	4.203	(0.492)	340384	250.000	226	
16 Isobutyl Alcohol	43	8.873	8.882	(1.041)	113791	1000.00	809	
17 trans-1,2-Dichloroethene	96	4.323	4.332	(0.507)	193214	50.0000	51.0	
18 Allyl Chloride	41	3.952	3.961	(0.464)	447881	50.0000	52.4	
19 Methyl tert-butyl ether	73	4.521	4.518	(0.530)	1073027	100.000	104	
20 Acetonitrile	39	4.880	4.889	(0.573)	72774	500.000	496	
21 Di-isopropyl ether	45	5.159	5.168	(0.605)	962750	50.0000	48.4	
22 Chloroprene	53	5.263	5.272	(0.617)	385373	50.0000	50.9	
23 Propionitrile	54	8.339	8.359	(0.978)	317736	500.000	506	

Data File: \\Target_server\GG\chem\gcms-f.i\F062308.b\F1018.D
Report Date: 25-Jun-2008 10:52

		Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)	REVIEW CODE
	24	Methacrylonitrile	41	8.385	8.394	(0.984)	1897654	500.000	548	
	25	1,1-Dichloroethane	63	5.310	5.307	(0.623)	414746	50.0000	53.6	
	26	Acrylonitrile	52	5.426	5.435	(0.637)	397667	250.000	257	
	27	Ethyl tertiary-butyl ether	59	5.832	5.841	(0.684)	722970	50.0000	49.1	
	28	Vinyl Acetate	43	5.844	5.852	(0.625)	573043	50.0000	46.3	
	29	cis-1,2-Dichloroethene	96	6.354	6.351	(0.745)	207768	50.0000	52.8	
M	30	1,2-Dichloroethylene (total)	96				400982	50.0000	104	
	31	Methyl Methacrylate	41	10.347	10.344	(1.107)	203022	50.0000	44.6	
	32	2,2-Dichloropropane	77	6.563	6.584	(0.770)	278607	50.0000	58.5	
	33	Bromochloromethane	128	6.772	6.781	(0.794)	85376	50.0000	50.4	
	34	Chloroform	83	6.993	7.001	(0.820)	346775	50.0000	54.6	
	35	Carbon Tetrachloride	117	7.248	7.257	(0.775)	203056	50.0000	54.9	
	36	Tetrahydrofuran	42	7.353	7.361	(0.863)	325770	250.000	247	
$	37	Dibromofluoromethane	113	7.422	7.431	(0.871)	180132	50.0000	45.5	
	38	1,1,1-Trichloroethane	97	7.411	7.419	(0.869)	266841	50.0000	56.6	
	39	1,1-Dichloropropene	75	7.712	7.721	(0.825)	255075	50.0000	53.1	
	40	2-Butanone	43	7.747	7.767	(0.909)	560332	250.000	254	
	41	Benzene	78	8.235	8.243	(0.881)	792925	50.0000	50.6	
*	42	Pentafluorobenzene	168	8.525	8.532	(1.000)	343414	50.0000		
	43	Cyclohexane	56	6.749	6.746	(0.792)	286979	50.0000	54.4	
	44	Ethyl Methacrylate	69	11.786	11.783	(1.261)	224816	50.0000	41.6	
$	45	1,2-Dichloroethane-D4	65	8.513	8.510	(0.999)	230078	50.0000	45.5	
	46	Tertiary-amyl methyl ether	73	8.560	8.568	(1.004)	544420	50.0000	52.0	
	47	1,2-Dichloroethane	62	8.629	8.638	(0.923)	300618	50.0000	54.2	
	48	Trichloroethene	95	9.268	9.265	(0.991)	195196	50.0000	51.8	
*	49	1,4-Difluorobenzene	114	9.349	9.357	(1.000)	578408	50.0000		
	50	Dibromomethane	93	9.836	9.845	(1.052)	113888	50.0000	50.8	
	51	1,2-Dichloropropane	63	9.975	9.984	(1.067)	211329	50.0000	49.5	
	52	Bromodichloromethane	83	10.080	10.089	(1.078)	263105	50.0000	51.5	
	53	cis-1,3-dichloropropene	75	10.834	10.843	(1.159)	340580	50.0000	53.0	
	54	1,4-Dioxane	88	10.358	10.356	(1.108)	16671	1000.00	469	
$	55	Toluene-D8	98	11.032	11.040	(1.180)	667760	50.0000	47.2	
	56	2-Chloroethylvinylether	63	10.811	10.808	(1.156)	92442	50.0000	34.6	
	57	Toluene	92	11.090	11.087	(1.186)	477255	50.0000	52.2	
	58	4-methyl-2-pentanone	43	11.531	11.539	(1.233)	1215824	250.000	238	
	59	Tetrachloroethene	164	11.496	11.505	(0.894)	147909	50.0000	49.6	
	60	trans-1,3-Dichloropropene	75	11.554	11.563	(1.236)	291592	50.0000	54.6	
	61	1,1,2-Trichloroethane	83	11.740	11.737	(1.256)	142228	50.0000	49.2	
	62	Dibromochloromethane	129	11.937	11.946	(0.929)	163415	50.0000	51.3	
	63	1,3-Dichloropropane	76	12.053	12.062	(0.938)	326514	50.0000	52.1	
	64	1,2-Dibromoethane	107	12.204	12.212	(1.305)	161229	50.0000	51.2	
	65	2-Hexanone	43	12.540	12.549	(0.976)	787941	250.000	236	
*	66	Chlorobenzene-D5	117	12.854	12.862	(1.000)	484535	50.0000		
	67	Chlorobenzene	112	12.877	12.886	(1.002)	504328	50.0000	49.8	
	152	1-Chlorohexane	91	12.877	12.886	(1.511)	236122	50.0000	48.5	
	68	Ethylbenzene	106	12.935	12.932	(1.006)	241870	50.0000	49.7	
	69	1,1,1,2-Tetrachloroethane	131	12.970	12.967	(1.009)	160119	50.0000	50.6	
M	70	Xylenes (total)	106				930326	150.000	156	
	71	m+p-Xylenes	106	13.121	13.129	(1.021)	638358	100.000	107	
	72	o-Xylene	106	13.666	13.675	(1.063)	291968	50.0000	49.1	
	73	Styrene	104	13.736	13.744	(1.069)	535203	50.0000	49.2	
	74	Bromoform	173	13.747	13.756	(1.070)	105841	50.0000	52.9(T)	
	75	Isopropylbenzene	105	14.084	14.093	(0.882)	632539	50.0000	49.5	
$	76	P-Bromofluorobenzene	95	14.444	14.441	(1.545)	275661	50.0000	49.3	

Data File: \\Target_server\GG\chem\gcms-f.i\F062308.b\F1018.D
Report Date: 25-Jun-2008 10:52

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)	REVIEW COD
77 cis-1,4-Dichloro-2-Butene	53	14.548	14.545	(0.911)	80842	50.0000	47.6	
78 trans-1,4-Dichloro-2-Butene	53	14.978	14.975	(0.938)	72230	50.0000	43.7	
79 Bromobenzene	156	14.571	14.580	(0.912)	178631	50.0000	53.0	
80 N-Propylbenzene	91	14.641	14.638	(0.916)	861918	50.0000	49.1	
81 1,1,2,2-Tetrachloroethane	83	14.734	14.743	(0.922)	190312	50.0000	46.9	
82 1,3,5-Trimethylbenzene	105	14.920	14.917	(0.934)	546524	50.0000	48.0	
83 2-Chlorotoluene	91	14.827	14.835	(0.928)	531343	50.0000	48.2	
84 1,2,3-Trichloropropane	75	14.908	14.905	(0.933)	172334	50.0000	48.0	
85 4-Chlorotoluene	91	15.059	15.068	(0.943)	568076	50.0000	49.2	
86 tert-Butylbenzene	119	15.349	15.346	(0.961)	457207	50.0000	46.5	
87 Pentachloroethane	117	15.349	15.358	(0.961)	103042	50.0000	53.3	
88 1,2,4-Trimethylbenzene	105	15.442	15.451	(0.967)	582310	50.0000	48.8	
89 P-Isopropyltoluene	119	15.802	15.810	(0.989)	459856	50.0000	47.5	
90 1,3-Dichlorobenzene	146	15.871	15.880	(0.993)	312119	50.0000	53.0	
* 91 1,4-Dichlorobenzene-D4	152	15.976	15.984	(1.000)	228488	50.0000		
92 1,4-Dichlorobenzene	146	15.999	16.008	(1.001)	324346	50.0000	49.6	
93 N-Butylbenzene	91	16.405	16.402	(1.027)	427237	50.0000	47.4	
94 sec-Butylbenzene	105	15.593	15.601	(0.976)	622523	50.0000	50.0	
95 1,2-Dichlorobenzene	146	16.603	16.600	(1.039)	281318	50.0000	51.8	
96 1,2-Dibromo-3-Chloropropane	75	17.775	17.772	(1.113)	26713	50.0000	49.2	
97 1,3,5-Trichlorobenzene	180	17.821	17.830	(1.116)	165094	50.0000	51.3	
98 Hexachlorobutadiene	225	18.773	18.782	(1.175)	50679	50.0000	45.9	
99 1,2,4-Trichlorobenzene	180	18.796	18.793	(1.177)	127912	50.0000	48.6	
100 1,2,3-Trimethylbenzene	105	16.057	16.053	(1.005)	612767	50.0000	52.5	
101 Naphthalene	128	19.284	19.292	(1.207)	235394	50.0000	40.2	
102 1,2,3-Trichlorobenzene	180	19.562	19.571	(1.224)	83899	50.0000	38.7	
103 Methyl Acetate	43	4.381	4.390	(0.514)	229162	50.0000	51.1	
104 Methylcyclohexane	83	9.221	9.230	(1.082)	217488	50.0000	49.5	
M 153 Total Alkylbenzenes	100				3957575	50.0000	337	

QC Flag Legend

T - Target compound detected outside RT window.

Data File: \\Target_server\GG\chem\gcms-f.i\F062308.b\F1018.D
Report Date: 25-Jun-2008 10:52

Katahdin Analytical Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcms-f.i
Lab File ID: F1018.D
Lab Smp Id: VSTD050F23A
Analysis Type: VOA
Quant Type: ISTD
Operator: TTC
Method File: \\Target_server\GG\chem\gcms-f.i\F062308.b\F826a09.m
Misc Info: SW846 8260B

Calibration Date: 23-JUN-2008
Calibration Time: 10:10

Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 4

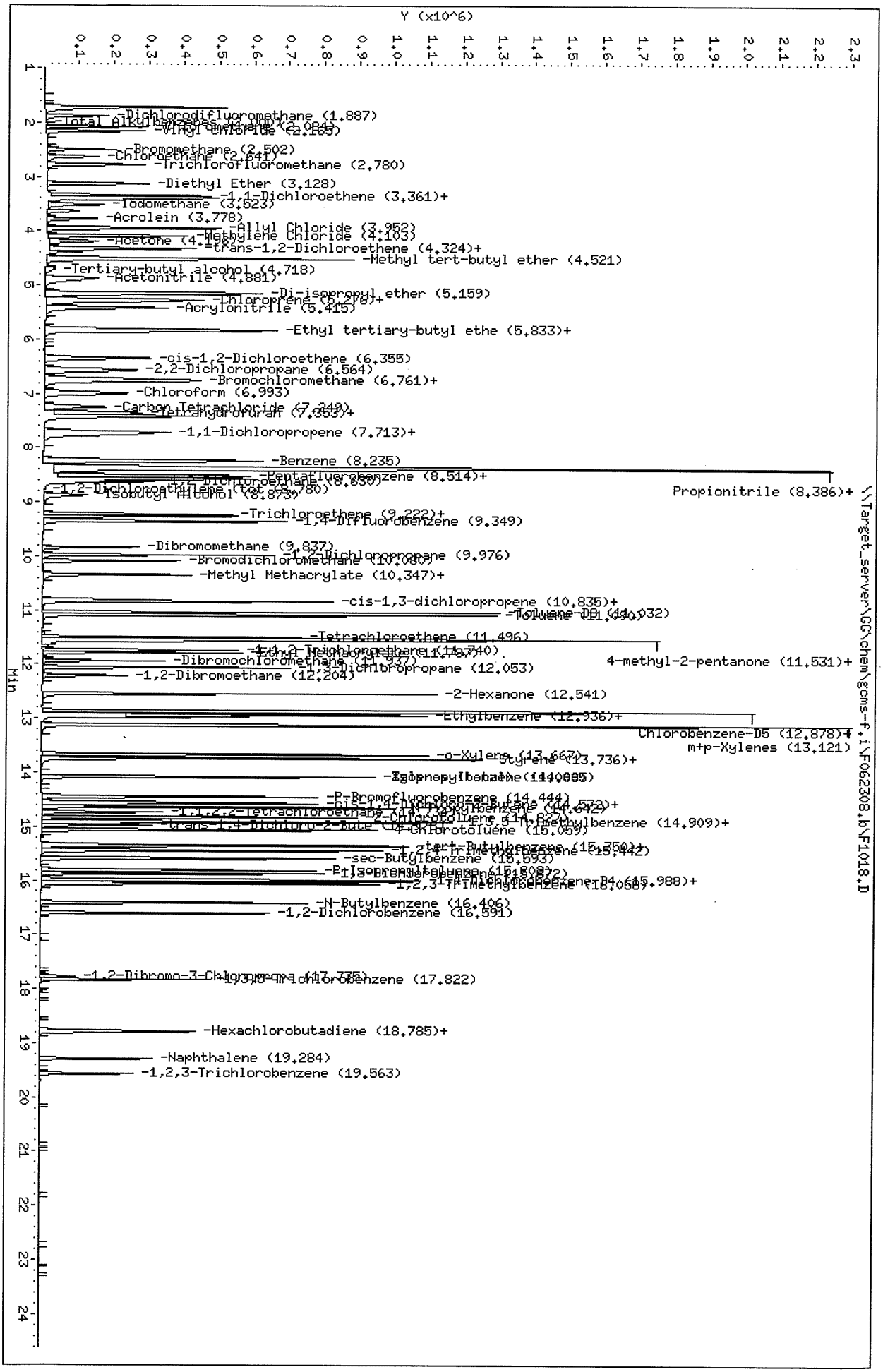
COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	395343	197672	790686	343414	-13.14
49 1,4-Difluorobenze	659511	329756	1319022	578408	-12.30
66 Chlorobenzene-D5	548409	274205	1096818	484535	-11.65
91 1,4-Dichlorobenze	256401	128201	512802	228488	-10.89

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	8.53	8.03	9.03	8.53	-0.10
49 1,4-Difluorobenze	9.36	8.86	9.86	9.35	-0.09
66 Chlorobenzene-D5	12.86	12.36	13.36	12.85	-0.06
91 1,4-Dichlorobenze	15.98	15.48	16.48	15.98	-0.05

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.

Data File: \\Target_server\GC\chem\gcms-f.i\F062308.b\F1018.D
Date : 23-JUN-2008 10:10
Client ID:
Sample Info: WSTD050F23A
Purge Volume: 5.0
Column phase: RTX-VMS

Instrument: gcms-f.i
Operator: TTC
Column diameter: 0.18



Data File: \\Target_server\GC\chem\gcms-f.i\F061908.b\FB961.D

Date : 19-JUN-2008 11:41

Client ID:

Instrument: gcms-f.i

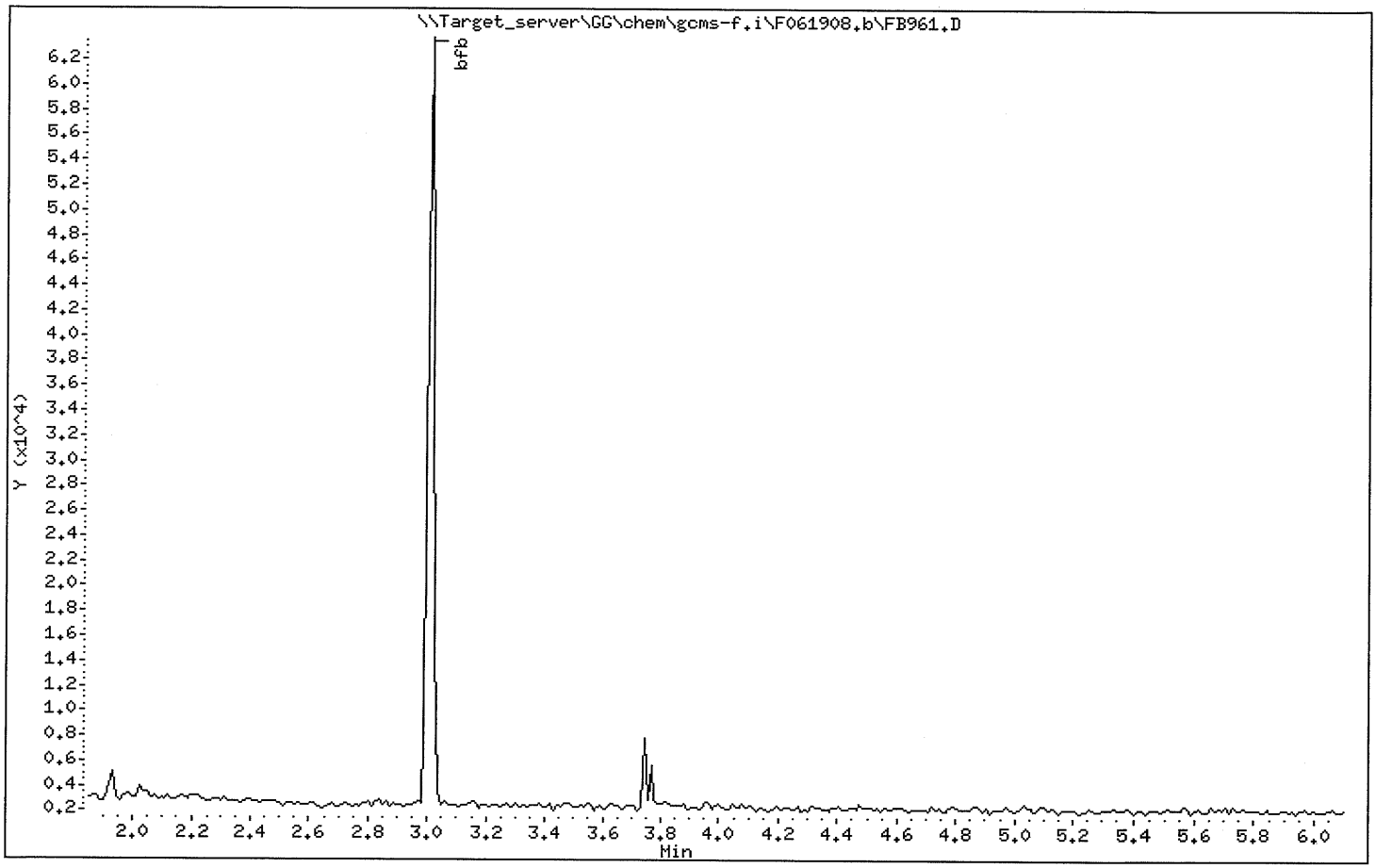
Sample Info: 50NG BFB

Volume Injected (uL): 1.0

Operator: TTC

Column phase: RTX-VMS

Column diameter: 0.18



Data File: \\Target_server\GC\chem\gcms-f.i\F061908.b\FB961.D

Date : 19-JUN-2008 11:41

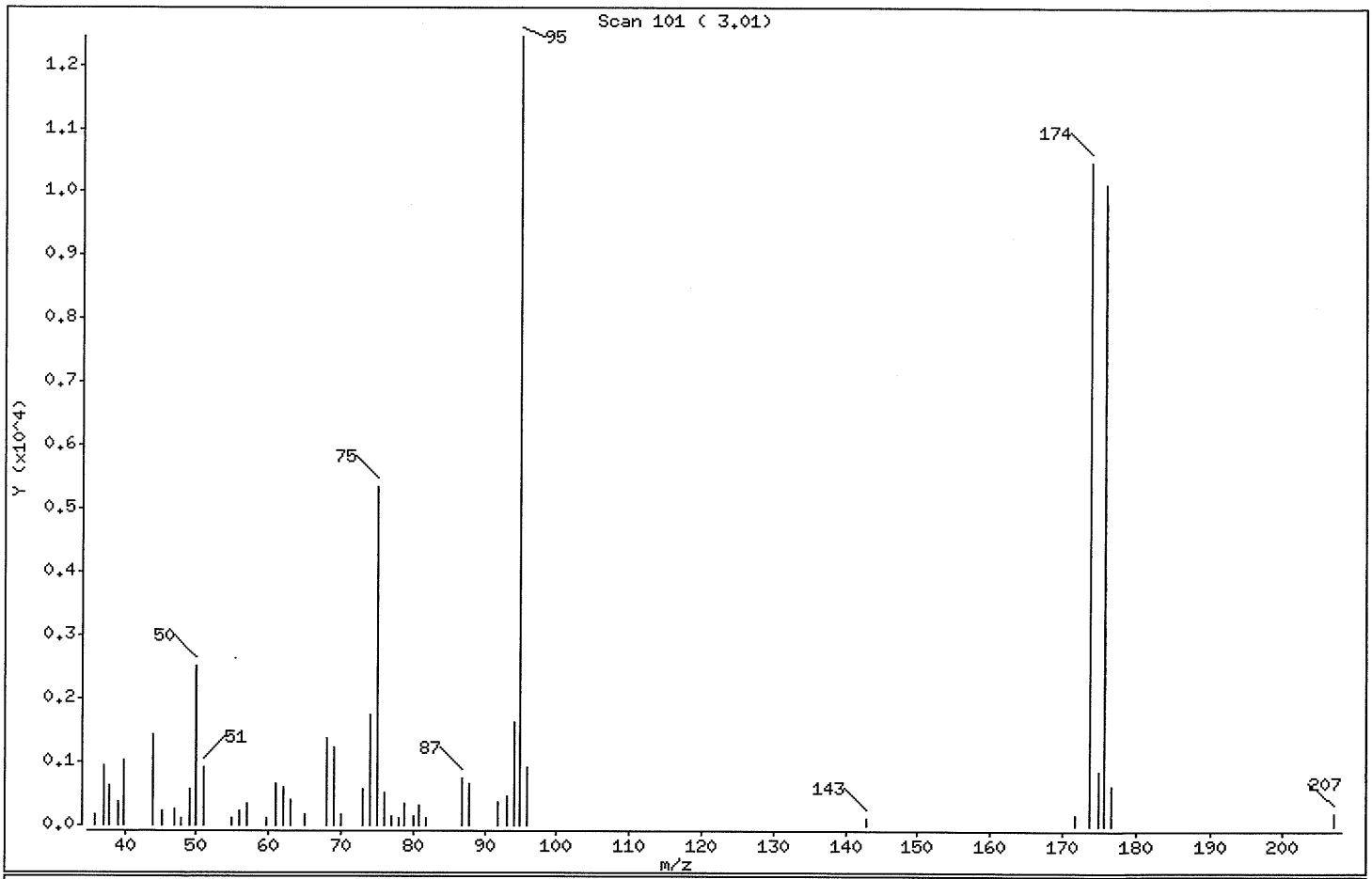
Client ID: | Instrument: gcms-f.i

Sample Info: 50NG BFB

Volume Injected (uL): 1.0 | Operator: TTC

Column phase: RTX-VMS | Column diameter: 0.18

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	20.21
75	30.00 - 60.00% of mass 95	43.02
96	5.00 - 9.00% of mass 95	7.34
173	Less than 2.00% of mass 174	0.00 (0.00)
174	Greater than 50.00% of mass 95	84.20
175	5.00 - 9.00% of mass 174	6.89 (8.19)
176	95.00 - 101.00% of mass 174	81.40 (96.68)
177	5.00 - 9.00% of mass 176	5.13 (6.30)

Data File: \\Target_server\GC\chem\gcms-f.i\F061908.b\FB961.D

Date : 19-JUN-2008 11:41

Client ID: Instrument: gcms-f.i

Sample Info: 50NG BFB

Volume Injected (uL): 1.0 Operator: TTC

Column phase: RTX-VMS Column diameter: 0.18

Data File: FB961.D
Spectrum: Scan 101 (3.01)
Location of Maximum: 94.90
Number of points: 47

m/z	Y	m/z	Y	m/z	Y	m/z	Y
35.80	185	55.00	117	74.00	1748	93.00	461
37.00	940	55.90	225	74.90	5354	94.00	1645
37.90	641	57.00	346	76.00	505	94.90	12446
39.00	363	59.80	110	76.90	156	95.90	914
39.90	1016	60.90	644	77.90	102	142.90	118
43.90	1421	61.90	591	78.80	343	171.85	177
45.00	226	63.00	403	80.00	150	173.85	10479
46.90	255	64.90	176	80.90	309	174.95	858
47.90	107	67.90	1375	81.80	119	175.85	10131
49.10	561	68.90	1235	86.80	753	176.85	638
50.00	2515	69.90	170	87.90	644	206.95	211
50.90	910	72.90	583	91.90	374		

Data File: \\Target_server\GC\chem\gcms-f.i\F062008.b\FB962.D

Date : 01-JAN-1990 03:09

Client ID:

Instrument: gcms-f.i

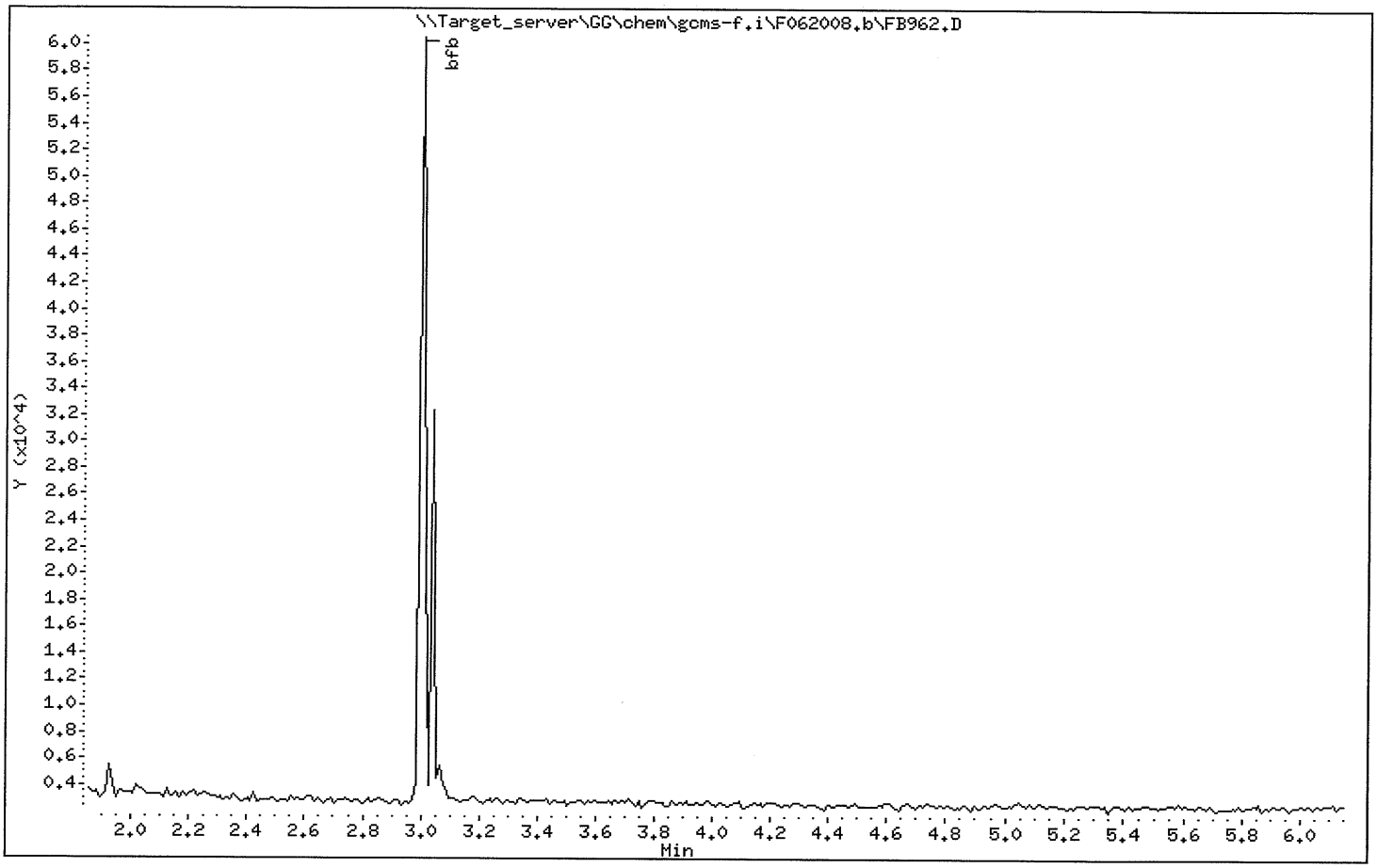
Sample Info: 50NG BFB

Volume Injected (uL): 1.0

Operator: TTC

Column phase: RTX-VMS

Column diameter: 0.18



Data File: \\Target_server\GC\chem\gcms-f.i\F062008.b\FB962.D

Date : 01-JAN-1990 03:09

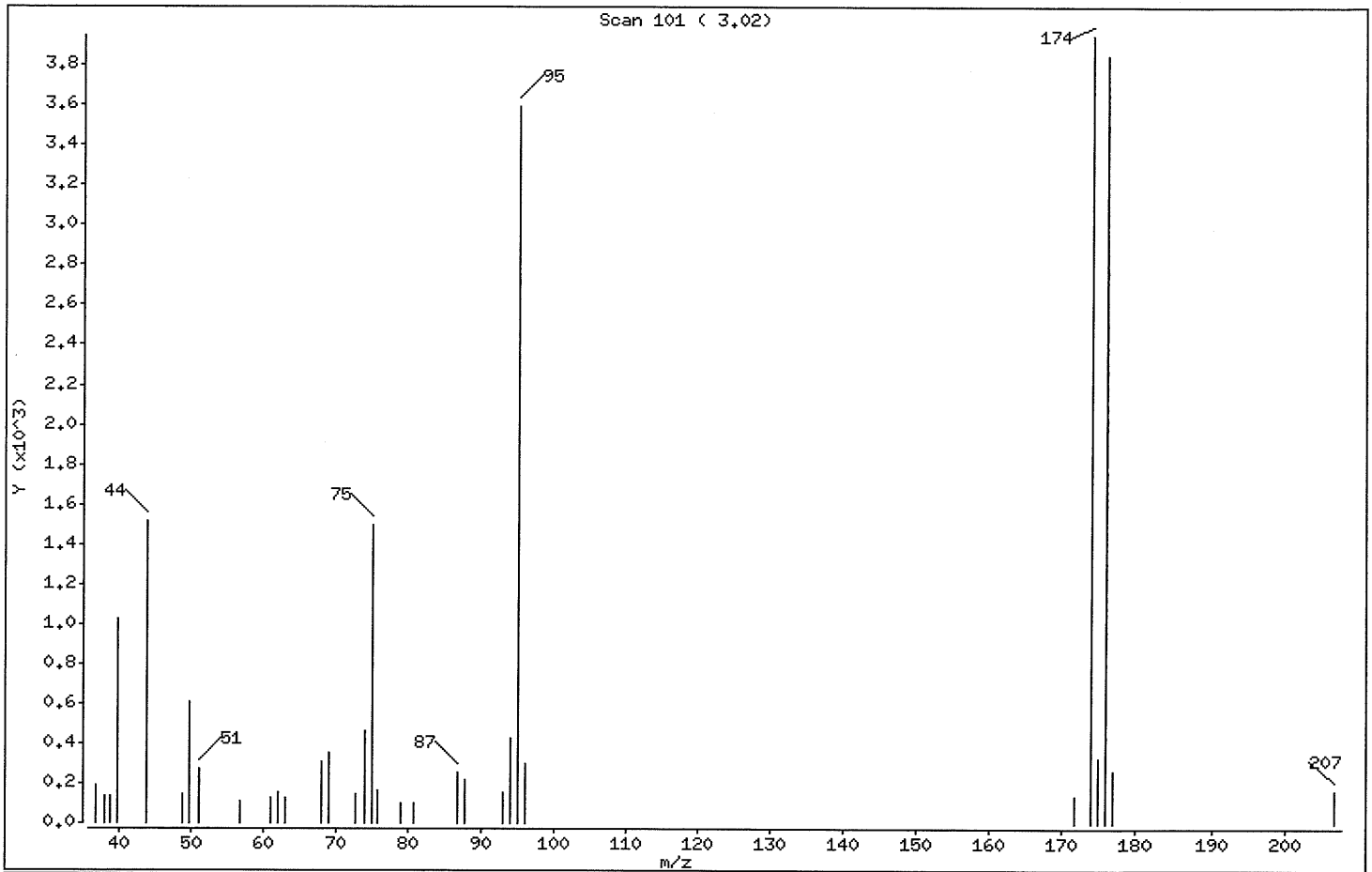
Client ID: | Instrument: gcms-f.i

Sample Info: 50NG BFB

Volume Injected (uL): 1.0 | Operator: TTC

Column phase: RTX-VMS | Column diameter: 0.18

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	16.85
75	30.00 - 60.00% of mass 95	41.72
96	5.00 - 9.00% of mass 95	8.33
173	Less than 2.00% of mass 174	0.00 (0.00)
174	Greater than 50.00% of mass 95	109.91
175	5.00 - 9.00% of mass 174	8.99 (8.18)
176	95.00 - 101.00% of mass 174	107.24 (97.57)
177	5.00 - 9.00% of mass 176	7.38 (6.88)

Data File: \\Target_server\GG\chem\gcms-f.i\F062008.b\FB962.D

Date : 01-JAN-1990 03:09

Client ID: Instrument: gcms-f.i

Sample Info: 50NG BFB

Volume Injected (uL): 1.0 Operator: TTC

Column phase: RTX-VMS Column diameter: 0.18

Data File: FB962.D
Spectrum: Scan 101 (3.02)
Location of Maximum: 173.85
Number of points: 32

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.80	190	61.00	130	78.90	104	173.85	3947
38.00	140	62.00	154	80.80	100	174.85	323
38.90	139	62.90	127	86.80	256	175.85	3851
39.90	1023	67.90	309	87.80	219	176.95	265
43.90	1513	69.00	351	92.90	156	206.85	159
48.70	143	72.80	146	93.90	427		
49.90	605	74.00	464	94.90	3591		
51.00	270	75.00	1498	95.90	299		
56.90	111	75.80	160	171.75	132		

Data File: \\Target_server\GC\chem\gcms-f.i\F062308.b\FB963.D

Date : 23-JUN-2008 09:47

Client ID:

Instrument: gcms-f.i

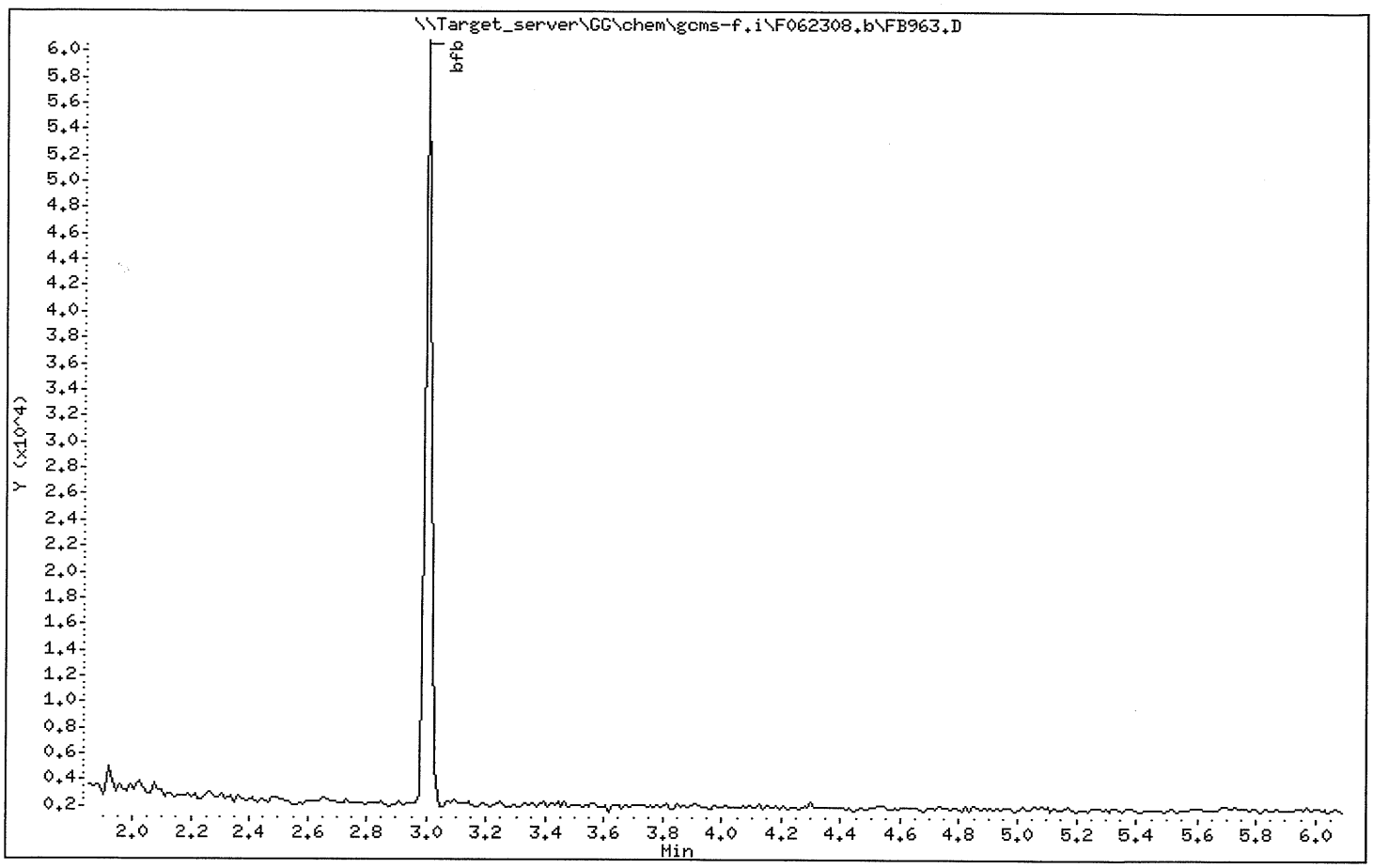
Sample Info: 50NG BFB

Volume Injected (uL): 1.0

Operator: TTC

Column phase: RTX-VMS

Column diameter: 0.18



Data File: \\Target_server\GC\chem\gcms-f.i\F062308.b\FB963.D

Date : 23-JUN-2008 09:47

Client ID:

Instrument: gcms-f.i

Sample Info: 50NG BFB

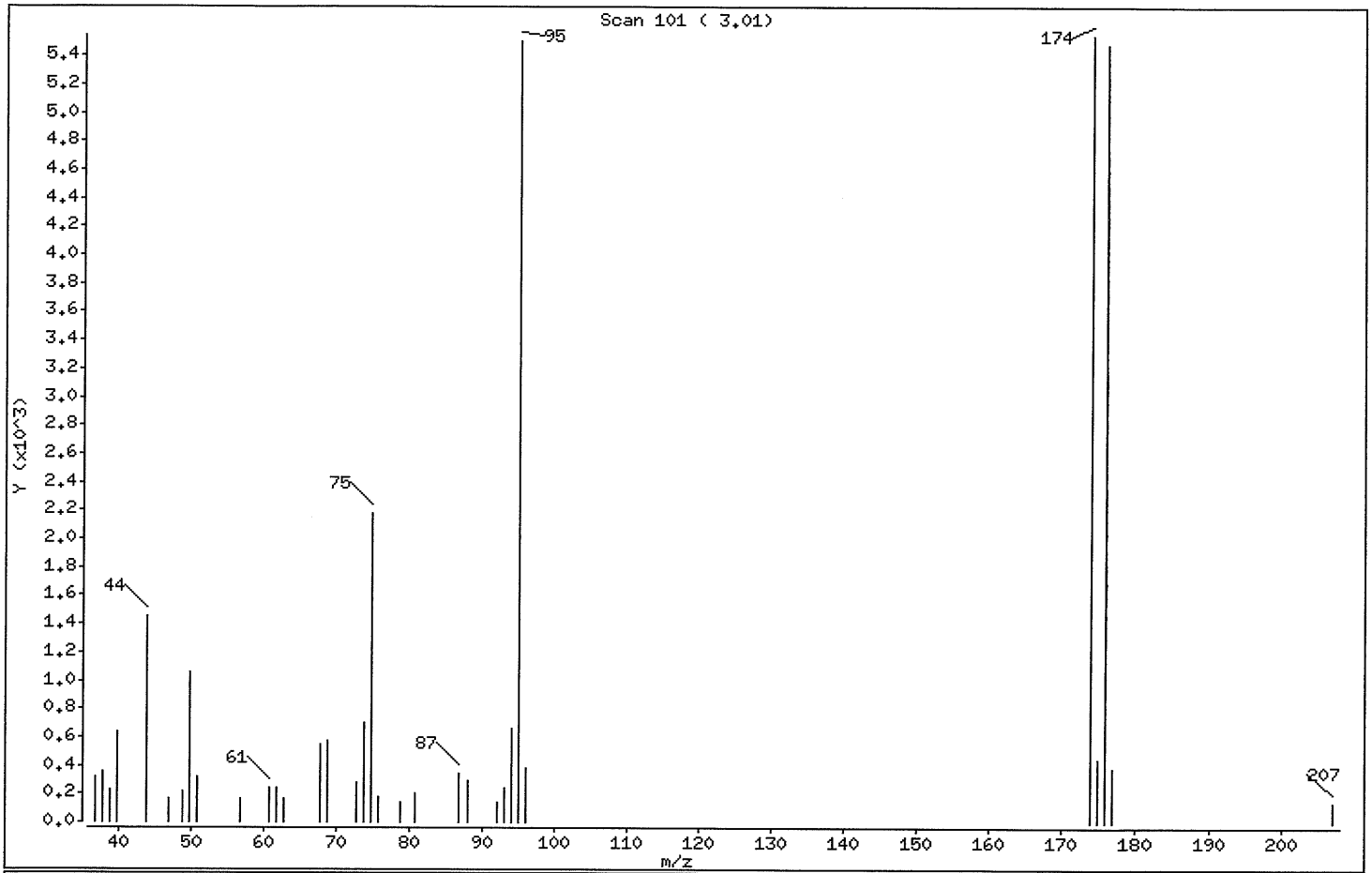
Volume Injected (uL): 1.0

Operator: TTC

Column phase: RTX-VMS

Column diameter: 0.18

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	19.11
75	30.00 - 60.00% of mass 95	39.63
96	5.00 - 9.00% of mass 95	6.97
173	Less than 2.00% of mass 174	0.00 (0.00)
174	Greater than 50.00% of mass 95	100.67
175	5.00 - 9.00% of mass 174	8.01 (7.96)
176	95.00 - 101.00% of mass 174	99.42 (98.76)
177	5.00 - 9.00% of mass 176	7.03 (7.07)

Data File: \\Target_server\GC\chem\gcms-f.i\F062308.b\FB963.D

Date : 23-JUN-2008 09:47

Client ID:

Instrument: gcms-f.i

Sample Info: 50NG BFB

Volume Injected (uL): 1.0

Operator: TTC

Column phase: RTX-VMS

Column diameter: 0.18

Data File: FB963.D
Spectrum: Scan 101 (3.01)
Location of Maximum: 173.85
Number of points: 33

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.80	314	56.90	162	75.80	179	95.90	384
37.90	356	60.90	244	78.80	139	173.85	5543
38.70	225	61.90	237	80.80	200	174.95	441
39.90	636	62.90	164	86.80	344	175.85	5474
43.90	1458	67.90	550	87.90	287	176.85	387
46.80	167	68.90	572	91.90	136	206.95	137
48.80	220	72.90	278	92.90	246		
49.90	1052	73.90	707	94.00	663		
50.80	323	74.90	2182	94.90	5506		

Raw QC Data Section

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client:
Project: CTO 426 NLON
PO No:
Sample Date:
Received Date:
Extraction Date: 20-JUN-2008 11:27
Analysis Date: ~~01-JAN-1990 05:36~~
Report Date: 06/25/2008 ES SKT 06/25/08
Matrix: WATER
% Solids: NA

Lab ID: WG52726-2
Client ID: WG52726-Blank
SDG: CTO426-4
Extracted by:
Extraction Method: SW846 5030
Analyst: TTC
Analysis Method: SW846 8260B
Lab Prep Batch: WG52726
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
1634-04-4	Methyl tert-butyl ether	U	1	1.0	1	1	0.5
71-43-2	Benzene	U	1	1.0	1	1	0.3
108-88-3	Toluene	U	1	1.0	1	1	0.4
100-41-4	Ethylbenzene	U	1	1.0	1	1	0.3
1330-20-7	Xylenes (total)	U	3	1.0	3	3	0.3
	m+p-Xylenes	U	2	1.0	2	2	0.7
95-47-6	o-Xylene	U	1	1.0	1	1	0.3
98-82-8	Isopropylbenzene	U	1	1.0	1	1	0.4
91-20-3	Naphthalene	U	1	1.0	1	1	0.4
1868-53-7	Dibromofluoromethane		100%				
17060-07-0	1,2-Dichloroethane-D4		101%				
2037-26-5	Toluene-D8		101%				
460-00-4	P-Bromofluorobenzene		94%				

Data File: \\Target_server\GG\chem\gcms-f.i\F062008.b\F0997.D
Report Date: 25-Jun-2008 10:51

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gcms-f.i\F062008.b\F0997.D
Lab Smp Id: WG52726-2 Client Smp ID: WG52726-Blank
Inj Date : 01-JAN-1990 05:36 MS Autotune Date: 01-JAN-1990 15:37
Operator : TTC Inst ID: gcms-f.i
Smp Info : WG52726-2
Misc Info : SW846 8260B
Comment :
Method : \\Target_server\GG\chem\gcms-f.i\F062008.b\F826a09.m
Meth Date : 20-Jun-2008 09:12 tcote Quant Type: ISTD
Cal Date : 19-JUN-2008 14:45 Cal File: F0987.D
Als bottle: 4 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.12
Processing Host: TARGET06

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)	REVIEW CODE
$ 37 Dibromofluoromethane	113	7.423	7.431	(0.871)	165766	50.0644	50.1	
* 42 Pentafluorobenzene	168	8.526	8.532	(1.000)	287159	50.0000		
$ 45 1,2-Dichloroethane-D4	65	8.514	8.510	(0.999)	213630	50.5473	50.5	
* 49 1,4-Difluorobenzene	114	9.350	9.357	(1.000)	504431	50.0000		
$ 55 Toluene-D8	98	11.032	11.040	(1.180)	625196	50.6468	50.6	
* 66 Chlorobenzene-D5	117	12.855	12.862	(1.000)	426725	50.0000		
$ 76 P-Bromofluorobenzene	95	14.445	14.441	(1.545)	228205	46.9225	46.9	
* 91 1,4-Dichlorobenzene-D4	152	15.977	15.984	(1.000)	182947	50.0000		

Data File: \\Target_server\GG\chem\gcms-f.i\F062008.b\F0997.D
Report Date: 25-Jun-2008 10:51

Katahdin Analytical Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcms-f.i
Lab File ID: F0997.D
Lab Smp Id: WG52726-2
Analysis Type: VOA
Quant Type: ISTD
Operator: TTC
Method File: \\Target_server\GG\chem\gcms-f.i\F062008.b\F826a09.m
Misc Info: SW846 8260B

Calibration Date: 01-JAN-1990
Calibration Time: 03:32
Client Smp ID: WG52726-Blank
Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 4

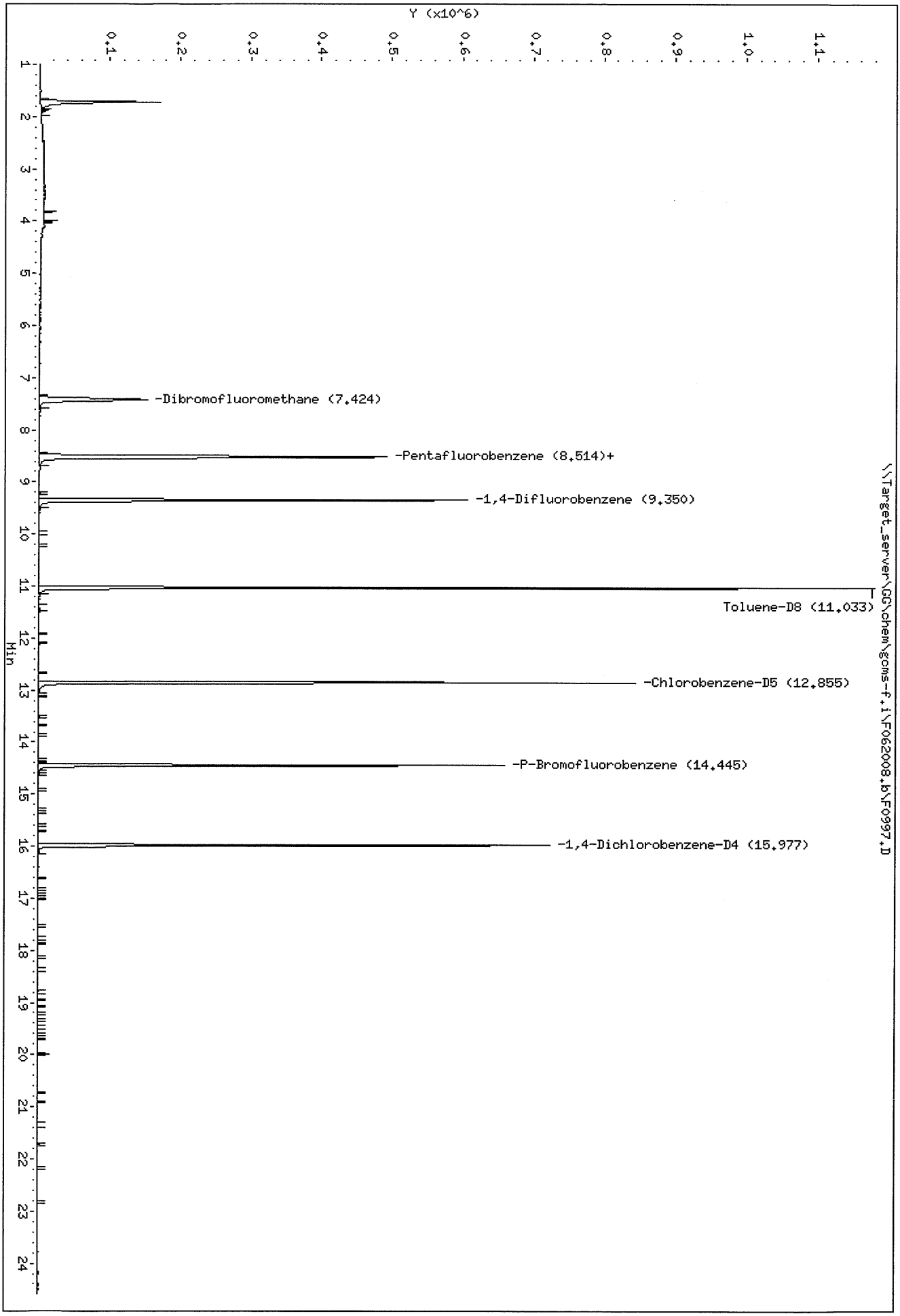
COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	350411	175206	700822	287159	-18.05
49 1,4-Difluorobenze	578301	289151	1156602	504431	-12.77
66 Chlorobenzene-D5	493926	246963	987852	426725	-13.61
91 1,4-Dichlorobenze	230200	115100	460400	182947	-20.53

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	8.51	8.01	9.01	8.53	0.14
49 1,4-Difluorobenze	9.34	8.84	9.84	9.35	0.13
66 Chlorobenzene-D5	12.85	12.35	13.35	12.86	0.00
91 1,4-Dichlorobenze	15.98	15.48	16.48	15.98	0.00

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.

Data File: \\Target_server\GC\chem\gcms-f.i\F062008.b\F0997.D
Date : 01-JAN-1990 05:36
Client ID: WG52726-Blank
Sample Info: WG52726-2

Instrument: gcms-f.i



KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client:
Project: CTO 426 NLON
PO No:
Sample Date:
Received Date:
Extraction Date:
Analysis Date: 23-JUN-2008 12:12
Report Date: 06/25/2008
Matrix: WATER
% Solids: NA

Lab ID: WG52797-2
Client ID: WG52797-Blank
SDG: CTO426-4
Extracted by:
Extraction Method: SW846 5030
Analyst: TTC
Analysis Method: SW846 8260B
Lab Prep Batch: WG52797
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
1634-04-4	Methyl tert-butyl ether	U	1	1.0	1	1	0.5
71-43-2	Benzene	U	1	1.0	1	1	0.3
108-88-3	Toluene	U	1	1.0	1	1	0.4
100-41-4	Ethylbenzene	U	1	1.0	1	1	0.3
1330-20-7	Xylenes (total)	U	3	1.0	3	3	0.3
	m+p-Xylenes	U	2	1.0	2	2	0.7
95-47-6	o-Xylene	U	1	1.0	1	1	0.3
98-82-8	Isopropylbenzene	U	1	1.0	1	1	0.4
91-20-3	Naphthalene	U	1	1.0	1	1	0.4
1868-53-7	Dibromofluoromethane		98%				
17060-07-0	1,2-Dichloroethane-D4		98%				
2037-26-5	Toluene-D8		97%				
460-00-4	P-Bromofluorobenzene		98%				

Data File: \\Target_server\GG\chem\gcms-f.i\F062308.b\F1021.D
Report Date: 25-Jun-2008 10:53

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gcms-f.i\F062308.b\F1021.D
Lab Smp Id: WG52797-2 Client Smp ID: WG52797-Blank
Inj Date : 23-JUN-2008 12:12 MS Autotune Date: 01-JAN-1990 15:37
Operator : TTC Inst ID: gcms-f.i
Smp Info : WG52797-2
Misc Info : SW846 8260B
Comment :
Method : \\Target_server\GG\chem\gcms-f.i\F062308.b\F826a09.m
Meth Date : 23-Jun-2008 10:33 tcote Quant Type: ISTD
Cal Date : 19-JUN-2008 14:45 Cal File: F0987.D
Als bottle: 4 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.12
Processing Host: TARGET06

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)	REVIEW CODE
$ 37 Dibromofluoromethane	113	7.411	7.431	(0.870)	161431	49.0799	49.1	
* 42 Pentafluorobenzene	168	8.513	8.532	(1.000)	285259	50.0000		
$ 45 1,2-Dichloroethane-D4	65	8.502	8.510	(0.999)	206907	49.2826	49.3	
* 49 1,4-Difluorobenzene	114	9.349	9.357	(1.000)	498739	50.0000		
$ 55 Toluene-D8	98	11.032	11.040	(1.180)	592319	48.5311	48.5	
* 66 Chlorobenzene-D5	117	12.854	12.862	(1.000)	421522	50.0000		
$ 76 P-Bromofluorobenzene	95	14.444	14.441	(1.545)	236494	49.0326	49.0	
* 91 1,4-Dichlorobenzene-D4	152	15.976	15.984	(1.000)	181998	50.0000		

Data File: \\Target_server\GG\chem\gcms-f.i\F062308.b\F1021.D
Report Date: 25-Jun-2008 10:53

Katahdin Analytical Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcms-f.i
Lab File ID: F1021.D
Lab Smp Id: WG52797-2
Analysis Type: VOA
Quant Type: ISTD
Operator: TTC
Method File: \\Target_server\GG\chem\gcms-f.i\F062308.b\F826a09.m
Misc Info: SW846 8260B

Calibration Date: 23-JUN-2008
Calibration Time: 10:10
Client Smp ID: WG52797-Blank
Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 4

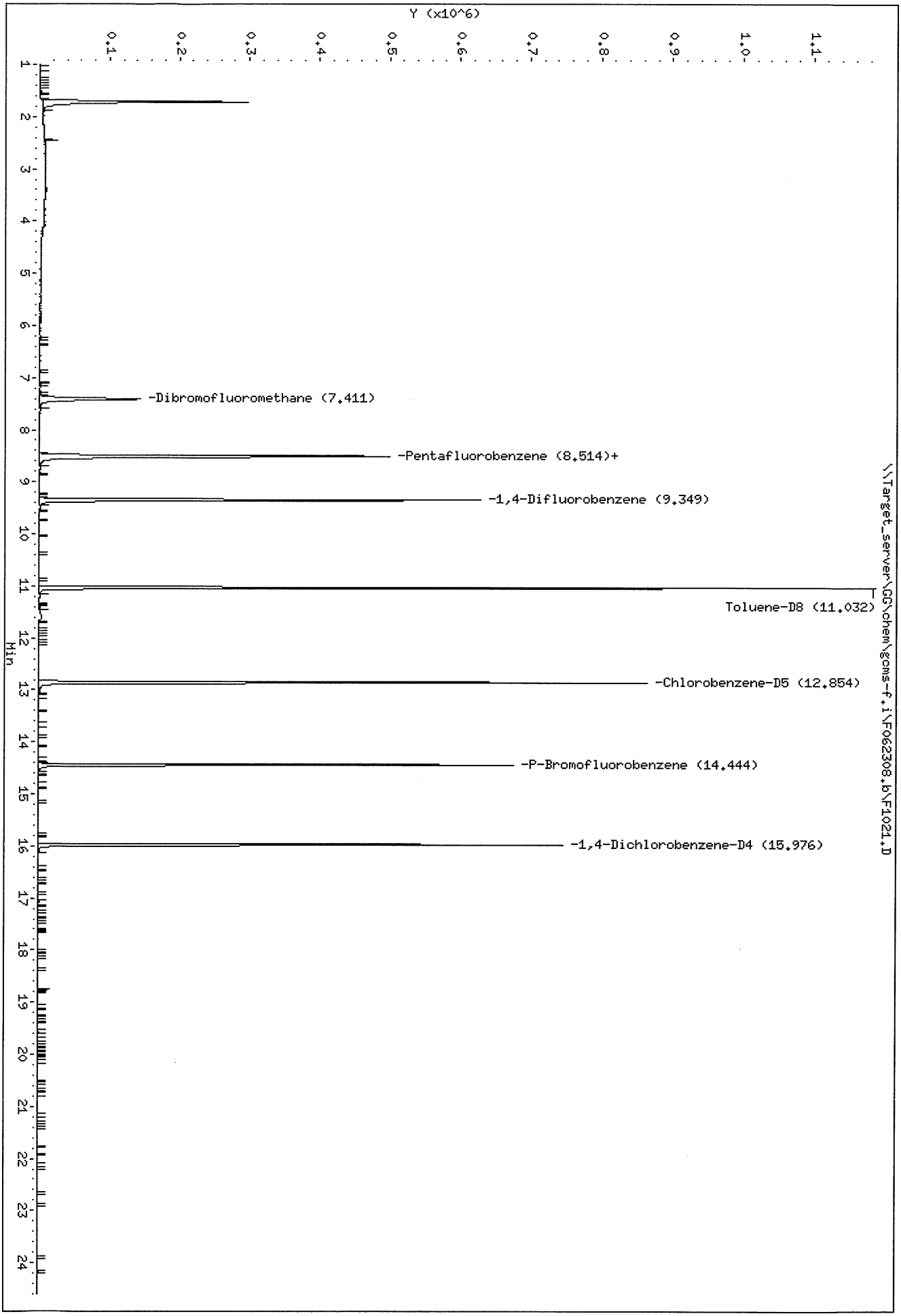
COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	343414	171707	686828	285259	-16.93
49 1,4-Difluorobenze	578408	289204	1156816	498739	-13.77
66 Chlorobenzene-D5	484535	242268	969070	421522	-13.00
91 1,4-Dichlorobenze	228488	114244	456976	181998	-20.35

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	8.53	8.03	9.03	8.51	-0.14
49 1,4-Difluorobenze	9.35	8.85	9.85	9.35	0.00
66 Chlorobenzene-D5	12.85	12.35	13.35	12.85	0.00
91 1,4-Dichlorobenze	15.98	15.48	16.48	15.98	0.00

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.

Data File: \\Target_server\GC\chem\gcms-f.i\F062308.b\F1021.D
Date : 23-JUN-2008 12:12
Client ID: WG52797-Blank
Sample Info: WG52797-2

Instrument: gcms-f.i



KATAHDIN ANALYTICAL SERVICES
LAB CONTROL SAMPLE

Client:
Project: CTO 426 NLON
PO No:
Sample Date:
Received Date: 02508
Extraction Date: SKJ
Analysis Date: 01/~~01/90~~ 06/20/2008
Report Date: 06/25/2008
Matrix: WATER

Lab ID: WG52726-1
Client ID: WG52726-LCS
SDG: CTO426-4
Extracted by:
Extraction Method: SW846 5030
Analyst: TTC
Analysis Method: SW846 8260B
Lab Prep Batch: WG52726
Units: ug/l

COMPOUND	LCS SPIKE	SAMPLE CONC.	LCS CONC.		%REC.	QC. LIMITS
Dichlorodifluoromethane	50	NA	41		82	20-143
Chloromethane	50	NA	40		81	34-132
Vinyl chloride	50	NA	44		89	48-136
Bromomethane	50	NA	42		84	52-129
Chloroethane	50	NA	46		91	43-146
Trichlorofluoromethane	50	NA	60		120	62-157
Diethyl Ether	50	NA	55		110	74-141
Tertiary-butyl alcohol	250	NA	264		106	10-152
1,1-Dichloroethene	50	NA	53		106	64-126
Carbon Disulfide	50	NA	54		107	59-136
Freon-113	50	NA	54		108	78-140
Iodomethane	50	NA	60	*	119	54-107
Acrolein	250	NA	258		103	42-156
Methylene Chloride	50	NA	49		99	63-122
Acetone	50	NA	48		96	15-160
Isobutyl Alcohol	1000	NA	912		91	10-169
trans-1,2-Dichloroethene	50	NA	53		107	65-128
Allyl Chloride	50	NA	53		106	64-150
Methyl tert-butyl ether	100	NA	114		114	71-140
Acetonitrile	500	NA	526		105	40-164
Di-isopropyl ether	50	NA	48		95	77-135
Chloroprene	50	NA	50		99	82-133
Methacrylonitrile	500	NA	564		113	69-146
Propionitrile	500	NA	518		104	51-161
1,1-Dichloroethane	50	NA	54		107	74-135
Acrylonitrile	250	NA	267		107	67-144
Ethyl tertiary-butyl ether	50	NA	50		100	79-136
Vinyl Acetate	50	NA	48		95	57-139
cis-1,2-Dichloroethene	50	NA	52		104	75-117
1,2-Dichloroethylene (total)	100	NA	106		106	72-121
Methyl Methacrylate	50	NA	46		93	71-136
2,2-Dichloropropane	50	NA	56		113	55-140
Bromochloromethane	50	NA	58		115	80-132
Chloroform	50	NA	54		109	80-125
Carbon Tetrachloride	50	NA	54		109	76-123
Tetrahydrofuran	50	NA	46		92	38-157
1,1,1-Trichloroethane	50	NA	55		110	79-125
1,1-Dichloropropene	50	NA	54		108	80-125
2-Butanone	50	NA	53		105	45-184
Benzene	50	NA	53		105	71-125
Cyclohexane	50	NA	62		125	57-128
Ethyl Methacrylate	50	NA	44		89	73-134
Tertiary-amyl methyl ether	50	NA	53		106	78-133
1,2-Dichloroethane	50	NA	51		103	75-125
Trichloroethene	50	NA	50		99	78-118

KATAHDIN ANALYTICAL SERVICES
LAB CONTROL SAMPLE

Client:
Project: CTO 426 NLON
PO No:
Sample Date:
Received Date:
Extraction Date:
Analysis Date: 01/01/90
Report Date: 06/25/2008
Matrix: WATER

Lab ID: WG52726-1
Client ID: WG52726-LCS
SDG: CTO426-4
Extracted by:
Extraction Method: SW846 5030
Analyst: TTC
Analysis Method: SW846 8260B
Lab Prep Batch: WG52726
Units: ug/l

COMPOUND	LCS SPIKE	SAMPLE CONC.	LCS CONC.	%REC.	QC. LIMITS
Dibromomethane	50	NA	52	105	73-125
1,2-Dichloropropane	50	NA	51	102	78-127
Bromodichloromethane	50	NA	49	98	76-118
cis-1,3-dichloropropene	50	NA	51	103	84-125
1,4-Dioxane	1000	NA	738	74	10-178
2-Chloroethylvinylether	50	NA	48	96	20-191
Toluene	50	NA	53	106	79-118
4-methyl-2-pentanone	50	NA	47	93	44-157
Tetrachloroethene	50	NA	61	123	71-137
trans-1,3-Dichloropropene	50	NA	59	119	89-137
1,1,2-Trichloroethane	50	NA	49	99	76-125
Dibromochloromethane	50	NA	53	106	77-119
1,3-Dichloropropane	50	NA	52	104	79-122
1,2-Dibromoethane	50	NA	51	102	78-124
2-Hexanone	50	NA	42	84	27-182
Chlorobenzene	50	NA	51	103	81-118
Ethylbenzene	50	NA	55	109	80-115
1,1,1,2-Tetrachloroethane	50	NA	52	105	79-118
Xylenes (total)	150	NA	162	108	85-114
m+p-Xylenes	100	NA	111	111	87-113
o-Xylene	50	NA	51	102	80-118
Styrene	50	NA	51	102	81-116
Bromoform	50	NA	54	109	69-129
Isopropylbenzene	50	NA	56	111	87-129
cis-1,4-Dichloro-2-Butene	50	NA	46	91	60-133
trans-1,4-Dichloro-2-Butene	50	NA	48	96	67-134
Bromobenzene	50	NA	52	105	83-112
N-Propylbenzene	50	NA	50	101	79-121
1,1,2,2-Tetrachloroethane	50	NA	49	98	68-133
1,3,5-Trimethylbenzene	50	NA	51	102	80-117
2-Chlorotoluene	50	NA	49	98	86-113
1,2,3-Trichloropropane	50	NA	50	100	63-133
4-Chlorotoluene	50	NA	50	101	84-117
tert-Butylbenzene	50	NA	46	92	78-122
Pentachloroethane	50	NA	36	73	64-135
1,2,4-Trimethylbenzene	50	NA	50	99	78-116
P-Isopropyltoluene	50	NA	51	101	79-123
1,3-Dichlorobenzene	50	NA	54	108	86-111
1,4-Dichlorobenzene	50	NA	51	102	78-118
N-Butylbenzene	50	NA	48	96	76-119
sec-Butylbenzene	50	NA	49	99	77-121
1,2-Dichlorobenzene	50	NA	53	105	86-113
1,2-Dibromo-3-Chloropropane	50	NA	51	102	63-133
1,3,5-Trichlorobenzene	50	NA	52	103	84-118
Hexachlorobutadiene	50	NA	49	98	70-114

KATAHDIN ANALYTICAL SERVICES
LAB CONTROL SAMPLE

Client:
Project: CTO 426 NLON
PO No:
Sample Date:
Received Date:
Extraction Date:
Analysis Date: 01/01/90
Report Date: 06/25/2008
Matrix: WATER

Lab ID: WG52726-1
Client ID: WG52726-LCS
SDG: CTO426-4
Extracted by:
Extraction Method: SW846 5030
Analyst: TTC
Analysis Method: SW846 8260B
Lab Prep Batch: WG52726
Units: ug/l

COMPOUND	LCS SPIKE	SAMPLE CONC.	LCS CONC.	%REC.	QC. LIMITS
1,2,4-Trichlorobenzene	50	NA	55	111	74-116
1,2,3-Trimethylbenzene	50	NA	53	107	85-124
Naphthalene	50	NA	48	96	64-121
1,2,3-Trichlorobenzene	50	NA	44	89	73-117
Methyl Acetate	50	NA	53	106	52-142
Methylcyclohexane	50	NA	49	99	83-125
1-Chlorohexane	50	NA	48	95	78-128
Total Alkylbenzenes	350	NA	345	98	60-140

Data File: \\Target_server\GG\chem\gcms-f.i\F062008.b\F0995.D
Report Date: 25-Jun-2008 10:51

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gcms-f.i\F062008.b\F0995.D
Lab Smp Id: WG52726-1 Client Smp ID: WG52726-LCS
Inj Date : 01-JAN-1990 04:24 MS Autotune Date: 01-JAN-1990 15:37
Operator : TTC Inst ID: gcms-f.i
Smp Info : WG52726-1
Misc Info : SW846 8260B
Comment :
Method : \\Target_server\GG\chem\gcms-f.i\F062008.b\F826a09.m
Meth Date : 20-Jun-2008 09:12 tcote Quant Type: ISTD
Cal Date : 19-JUN-2008 14:45 Cal File: F0987.D
Als bottle: 2 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.12
Processing Host: TARGET06

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)	REVIEW CODE
1 Dichlorodifluoromethane	85	1.875	1.883	(0.220)	115630	41.0960	41.1	
2 Chloromethane	50	2.072	2.080	(0.243)	233449	40.2671	40.3	
3 Vinyl chloride	62	2.165	2.162	(0.254)	217195	44.3580	44.4	
4 Bromomethane	94	2.490	2.498	(0.292)	119455	42.0351	42.0	
5 Chloroethane	64	2.629	2.638	(0.308)	141370	45.4849	45.5	
6 Trichlorofluoromethane	101	2.780	2.788	(0.326)	243555	59.9642	60.0	
7 Diethyl Ether	59	3.128	3.137	(0.367)	202346	54.7604	54.8	
8 Tertiary-butyl alcohol	59	4.707	4.715	(0.552)	61802	263.507	264	
9 1,1-Dichloroethene	96	3.349	3.357	(0.393)	169957	53.0802	53.1	
10 Carbon Disulfide	76	3.372	3.380	(0.396)	560512	53.5174	53.5	
11 Freon-113	151	3.407	3.415	(0.400)	116754	54.2067	54.2	
12 Iodomethane	142	3.523	3.531	(0.413)	264448	59.6856	59.7(R)	
13 Acrolein	56	3.778	3.787	(0.443)	204865	258.517	258	
14 Methylene Chloride	84	4.092	4.099	(0.480)	222266	49.4078	49.4	
15 Acetone	43	4.196	4.203	(0.492)	73056	47.7598	47.8	
16 Isobutyl Alcohol	43	8.873	8.882	(1.041)	130703	912.259	912	
17 trans-1,2-Dichloroethene	96	4.324	4.332	(0.507)	205463	53.4269	53.4	
18 Allyl Chloride	41	3.952	3.961	(0.464)	461008	53.0953	53.1	
19 Methyl tert-butyl ether	73	4.509	4.518	(0.529)	1191003	114.206	114	
20 Acetonitrile	39	4.869	4.889	(0.571)	78344	525.735	526	
21 Di-isopropyl ether	45	5.148	5.168	(0.604)	959016	47.4706	47.5	
22 Chloroprene	53	5.264	5.272	(0.617)	381720	49.6413	49.6	
23 Propionitrile	54	8.339	8.359	(0.978)	330589	518.091	518	

Data File: \\Target_server\GG\chem\gcms-f.i\F062008.b\F0995.D
Report Date: 25-Jun-2008 10:51

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	CONCENTRATIONS FINAL (ug/l)	REVIEW COD
	24 Methacrylonitrile	41	8.374	8.394	(0.982)	1980909	563.523	564	
	25 1,1-Dichloroethane	63	5.299	5.307	(0.622)	420079	53.4823	53.5	
	26 Acrylonitrile	52	5.415	5.435	(0.635)	419674	267.111	267	
	27 Ethyl tertiary-butyl ether	59	5.821	5.841	(0.683)	746438	49.9147	49.9	
	28 Vinyl Acetate	43	5.832	5.852	(0.624)	606263	47.7249	47.7	
	29 cis-1,2-Dichloroethene	96	6.343	6.351	(0.744)	208937	52.2375	52.2	
M	30 1,2-Dichloroethylene (total)	96				414400	105.664	106	
	31 Methyl Methacrylate	41	10.347	10.344	(1.107)	217621	46.4904	46.5	
	32 2,2-Dichloropropane	77	6.564	6.584	(0.770)	272986	56.3914	56.4	
	33 Bromochloromethane	128	6.773	6.781	(0.794)	99183	57.5904	57.6	
	34 Chloroform	83	6.993	7.001	(0.820)	351826	54.4892	54.5	
	35 Carbon Tetrachloride	117	7.237	7.257	(0.774)	206139	54.4098	54.4	
	36 Tetrahydrofuran	42	7.353	7.361	(0.863)	61960	46.1946	46.2	
$	37 Dibromofluoromethane	113	7.411	7.431	(0.869)	187821	46.6844	46.7	
	38 1,1,1-Trichloroethane	97	7.411	7.419	(0.869)	262176	54.7810	54.8	
	39 1,1-Dichloropropene	75	7.701	7.721	(0.824)	264893	53.8158	53.8	
	40 2-Butanone	43	7.759	7.767	(0.910)	118171	52.6687	52.7	
	41 Benzene	78	8.235	8.243	(0.881)	844994	52.6722	52.7	
*	42 Pentafluorobenzene	168	8.525	8.532	(1.000)	348922	50.0000		
	43 Cyclohexane	56	6.738	6.746	(0.790)	333932	62.2654	62.3	
	44 Ethyl Methacrylate	69	11.786	11.783	(1.261)	247831	44.5116	44.5	
$	45 1,2-Dichloroethane-D4	65	8.502	8.510	(0.997)	232770	45.3270	45.3	
	46 Tertiary-amyl methyl ether	73	8.560	8.568	(1.004)	563810	52.9614	53.0	
	47 1,2-Dichloroethane	62	8.629	8.638	(0.923)	291720	51.2834	51.3	
	48 Trichloroethene	95	9.256	9.265	(0.990)	191942	49.6837	49.7	
*	49 1,4-Difluorobenzene	114	9.349	9.357	(1.000)	592789	50.0000		
	50 Dibromomethane	93	9.837	9.845	(1.052)	120090	52.2779	52.3	
	51 1,2-Dichloropropane	63	9.976	9.984	(1.067)	222259	50.8187	50.8	
	52 Bromodichloromethane	83	10.080	10.089	(1.078)	257068	49.0708	49.1	
	53 cis-1,3-dichloropropene	75	10.835	10.843	(1.159)	338671	51.4593	51.4	
	54 1,4-Dioxane	88	10.359	10.356	(1.108)	26920	738.331	738	
$	55 Toluene-D8	98	11.032	11.040	(1.180)	707267	48.7552	48.8	
	56 2-Chloroethylvinylether	63	10.800	10.808	(1.155)	133895	47.7848	47.8	
	57 Toluene	92	11.090	11.087	(1.186)	495360	52.8604	52.9	
	58 4-methyl-2-pentanone	43	11.531	11.539	(1.233)	225024	46.6922	46.7	
	59 Tetrachloroethene	164	11.496	11.505	(0.894)	183470	61.3097	61.3	
	60 trans-1,3-Dichloropropene	75	11.554	11.563	(1.236)	324219	59.2865	59.3	
	61 1,1,2-Trichloroethane	83	11.740	11.737	(1.256)	146252	49.3420	49.3	
	62 Dibromochloromethane	129	11.937	11.946	(0.929)	169795	53.1185	53.1	
	63 1,3-Dichloropropane	76	12.053	12.062	(0.938)	326900	51.9911	52.0	
	64 1,2-Dibromoethane	107	12.204	12.212	(1.305)	164837	51.0261	51.0	
	65 2-Hexanone	43	12.541	12.549	(0.976)	133120	41.7907	41.8	
*	66 Chlorobenzene-D5	117	12.854	12.862	(1.000)	486200	50.0000		
	67 Chlorobenzene	112	12.877	12.886	(1.002)	521465	51.3201	51.3	
	152 1-Chlorohexane	91	12.877	12.886	(1.510)	235406	47.6194	47.6	
	68 Ethylbenzene	106	12.935	12.932	(1.006)	267005	54.6932	54.7	
	69 1,1,1,2-Tetrachloroethane	131	12.970	12.967	(1.009)	166156	52.3885	52.4	
M	70 Xylenes (total)	106				969131	161.597	162	
	71 m+p-Xylenes	106	13.121	13.129	(1.021)	665917	110.831	111	
	72 o-Xylene	106	13.667	13.675	(1.063)	303214	50.7666	50.8	
	73 Styrene	104	13.736	13.744	(1.069)	559011	51.1076	51.1	
	74 Bromoform	173	13.748	13.756	(1.070)	108915	54.2699	54.3	
	75 Isopropylbenzene	105	14.084	14.093	(0.882)	714798	55.6440	55.6	
$	76 P-Bromofluorobenzene	95	14.444	14.441	(1.545)	271347	47.4403	47.4	

Data File: \\Target_server\GG\chem\gcms-f.i\F062008.b\F0995.D
Report Date: 25-Jun-2008 10:51

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	FINAL (ug/l)	REVIEW CODE
77 cis-1,4-Dichloro-2-Butene	53	14.549	14.545	(0.911)	77424	45.7304	45.7	
78 trans-1,4-Dichloro-2-Butene	53	14.978	14.975	(0.938)	79222	47.8640	47.9	
79 Bromobenzene	156	14.572	14.580	(0.912)	176368	52.4263	52.4	
80 N-Propylbenzene	91	14.641	14.638	(0.916)	884193	50.3473	50.3	
81 1,1,2,2-Tetrachloroethane	83	14.734	14.743	(0.922)	198080	48.9204	48.9	
82 1,3,5-Trimethylbenzene	105	14.920	14.917	(0.934)	581363	51.0168	51.0	
83 2-Chlorotoluene	91	14.827	14.835	(0.928)	542017	49.2586	49.2	
84 1,2,3-Trichloropropane	75	14.908	14.905	(0.933)	179309	50.0891	50.1	
85 4-Chlorotoluene	91	15.059	15.068	(0.943)	581230	50.3850	50.4	
86 tert-Butylbenzene	119	15.349	15.346	(0.961)	451153	46.0050	46.0	
87 Pentachloroethane	117	15.349	15.358	(0.961)	70434	36.4995	36.5	
88 1,2,4-Trimethylbenzene	105	15.442	15.451	(0.967)	589372	49.4794	49.5	
89 P-Isopropyltoluene	119	15.802	15.810	(0.989)	491432	50.6208	50.6	
90 1,3-Dichlorobenzene	146	15.872	15.880	(0.993)	315924	53.7673	53.8	
* 91 1,4-Dichlorobenzene-D4	152	15.976	15.984	(1.000)	228015	50.0000		
92 1,4-Dichlorobenzene	146	15.999	16.008	(1.001)	331555	50.8284	50.8	
93 N-Butylbenzene	91	16.406	16.402	(1.027)	432024	47.9320	47.9	
94 sec-Butylbenzene	105	15.593	15.601	(0.976)	613378	49.3998	49.4	
95 1,2-Dichlorobenzene	146	16.603	16.600	(1.039)	284769	52.5581	52.6	
96 1,2-Dibromo-3-Chloropropane	75	17.775	17.772	(1.113)	27645	51.0740	51.1	
97 1,3,5-Trichlorobenzene	180	17.821	17.830	(1.116)	165976	51.6498	51.6	
98 Hexachlorobutadiene	225	18.773	18.782	(1.175)	53688	48.8622	48.9	
99 1,2,4-Trichlorobenzene	180	18.796	18.793	(1.177)	145192	55.3449	55.3	
100 1,2,3-Trimethylbenzene	105	16.057	16.053	(1.005)	621892	53.4120	53.4	
101 Naphthalene	128	19.284	19.292	(1.207)	278568	47.7924	47.8	
102 1,2,3-Trichlorobenzene	180	19.562	19.571	(1.224)	96452	44.5457	44.5	
103 Methyl Acetate	43	4.370	4.390	(0.513)	241950	53.1215	53.1	
104 Methylcyclohexane	83	9.221	9.230	(1.082)	220738	49.4477	49.4	
M 153 Total Alkylbenzenes	100				4042915	344.801	345	

QC Flag Legend

R - Spike/Surrogate failed recovery limits.

Data File: \\Target_server\GG\chem\gcms-f.i\F062008.b\F0995.D
Report Date: 25-Jun-2008 10:51

Katahdin Analytical Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcms-f.i
Lab File ID: F0995.D
Lab Smp Id: WG52726-1
Analysis Type: VOA
Quant Type: ISTD
Operator: TTC
Method File: \\Target_server\GG\chem\gcms-f.i\F062008.b\F826a09.m
Misc Info: SW846 8260B

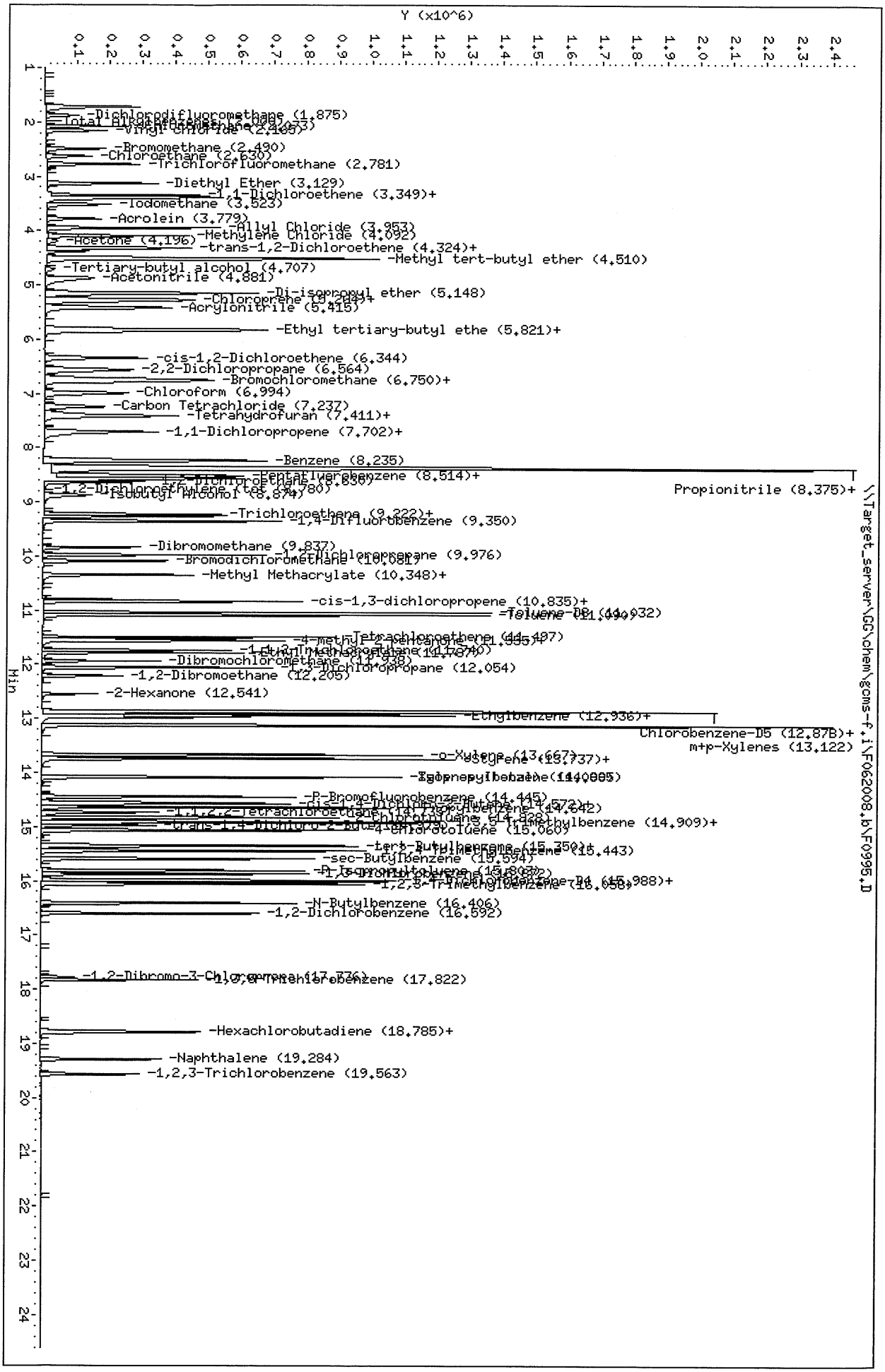
Calibration Date: 01-JAN-1990
Calibration Time: 03:32
Client Smp ID: WG52726-LCS
Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 4

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	350411	175206	700822	348922	-0.42
49 1,4-Difluorobenze	578301	289151	1156602	592789	2.51
66 Chlorobenzene-D5	493926	246963	987852	486200	-1.56
91 1,4-Dichlorobenze	230200	115100	460400	228015	-0.95

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	8.51	8.01	9.01	8.53	0.14
49 1,4-Difluorobenze	9.34	8.84	9.84	9.35	0.12
66 Chlorobenzene-D5	12.85	12.35	13.35	12.85	-0.00
91 1,4-Dichlorobenze	15.98	15.48	16.48	15.98	-0.00

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.


Data File: \\Target_server\GC\chem\gcms-f.i\F062008.b\F0995.D
Date : 01-JAN-1990 04:24
Client ID: WG52726-LCS
Sample Info: WG52726-1
Purge Volume: 5.0
Column phase: RTX-VMS
Instrument: gcms-f.i
Operator: TTC
Column diameter: 0.18
Y (x10^6)
Min
-Dichlorodifluoromethane (1.875)
-Vinyl Chloride (2.105)
-Bromomethane (2.490)
-Chloroethane (2.630)
-Trichlorofluoromethane (2.781)
-Diethyl Ether (3.129)
-1,1-Dichloroethene (3.349)+
-Iodomethane (3.523)
-Acrolein (3.779)
-Allyl Chloride (3.953)
-Methylene Chloride (4.092)
-Acetone (4.196)
-trans-1,2-Dichloroethene (4.324)+
-Methyl tert-butyl ether (4.510)
-Tertiary-butyl alcohol (4.707)
-Acetonitrile (4.881)
-Di-isopropyl ether (5.148)
-Chloroprene (5.244)+
-Acrylonitrile (5.415)
-Ethyl tertiary-butyl ethe (5.821)+
-cis-1,2-Dichloroethene (6.344)
-2,2-Dichloropropane (6.564)
-Bromochloromethane (6.750)+
-Chloroform (6.994)
-Carbon Tetrachloride (7.237)
-Tetrahydrofuran (7.411)+
-1,1-Dichloropropene (7.702)+
-Benzene (8.235)
-Pentafluorobenzene (8.514)+
Propionitrile (8.375)+
-1,2-Dichloroethane (8.780)
-Isobutyl Alcohol (8.874)
-Trichloroethene (9.222)+
-1,4-Difluorobenzene (9.350)
-Dibromomethane (9.837)
-1,2-Dichloropropane (9.976)
-Bromodichloromethane (10.081)
-Methyl Methacrylate (10.348)+
-cis-1,3-dichloropropene (10.835)+
-Toluene-D8 (11.090)
-Toluene (11.032)
-Tetrachloroethene (11.497)
-4-methyl-2-pentanone (11.685)+
-1,1,2-Trichloroethane (11.874)
-Ethyl Methacrylate (11.987)
-Dibromochloromethane (12.038)
-1,3-Dichloropropane (12.054)
-1,2-Dibromoethane (12.205)
-2-Hexanone (12.541)
-Ethylbenzene (12.936)+
Chlorobenzene-D5 (12.878)+
m+p-Xylenes (13.122)
-o-Xylene (13.667)
-Styrene (13.737)+
-Isopropylbenzene (14.005)
-P-Bromofluorobenzene (14.445)
-cis-1,4-Dichlorobutene (14.572)+
-1,1,2,2-Tetrachloroethane (14.642)
-Chlorobenzene (14.828)
-trans-1,4-Dichloro-2-butene (14.873)
-4-Chlorotoluene (15.060)
-1,3,5-Trimethylbenzene (14.909)+
-tert-Butylbenzene (15.350)+
-1,2,4-Trimethylbenzene (15.443)
-sec-Butylbenzene (15.594)
-P-Isopropyltoluene (15.803)
-1,3-Dichlorobenzene (15.882)
-1,4-Dichlorobenzene-D4 (15.988)+
-1,2,3-Trimethylbenzene (16.058)
-N-Butylbenzene (16.406)
-1,2-Dichlorobenzene (16.592)
-1,2-Dibromo-3-Chloropropane (17.376)
-1,2,4-Trichlorobenzene (17.822)
-Hexachlorobutadiene (18.785)+
-Naphthalene (19.284)
-1,2,3-Trichlorobenzene (19.563)
\\Target_server\GC\chem\gcms-f.i\F062008.b\F0995.D

KATAHDIN ANALYTICAL SERVICES
LAB CONTROL SAMPLE

Client:
Project: CTO 426 NLON
PO No:
Sample Date:
Received Date:
Extraction Date:
Analysis Date: 06/23/08
Report Date: 06/25/2008
Matrix: WATER

Lab ID: WG52797-1
Client ID: WG52797-LCS
SDG: CTO426-4
Extracted by:
Extraction Method: SW846 5030
Analyst: TTC
Analysis Method: SW846 8260B
Lab Prep Batch: WG52797
Units: ug/l

COMPOUND	LCS SPIKE	SAMPLE CONC.	LCS CONC.		%REC.	QC. LIMITS
Dichlorodifluoromethane	50	NA	30		60	20-143
Chloromethane	50	NA	35		70	34-132
Vinyl chloride	50	NA	39		78	48-136
Bromomethane	50	NA	37		73	52-129
Chloroethane	50	NA	42		85	43-146
Trichlorofluoromethane	50	NA	59		118	62-157
Diethyl Ether	50	NA	54		107	74-141
Tertiary-butyl alcohol	250	NA	277		111	10-152
1,1-Dichloroethene	50	NA	52		104	64-126
Carbon Disulfide	50	NA	51		102	59-136
Freon-113	50	NA	55		109	78-140
Iodomethane	50	NA	57	*	114	54-107
Acrolein	250	NA	246		98	42-156
Methylene Chloride	50	NA	49		98	63-122
Acetone	50	NA	51		101	15-160
Isobutyl Alcohol	1000	NA	931		93	10-169
trans-1,2-Dichloroethene	50	NA	51		102	65-128
Allyl Chloride	50	NA	51		101	64-150
Methyl tert-butyl ether	100	NA	116		116	71-140
Acetonitrile	500	NA	508		102	40-164
Di-isopropyl ether	50	NA	48		96	77-135
Chloroprene	50	NA	49		98	82-133
Methacrylonitrile	500	NA	574		115	69-146
Propionitrile	500	NA	523		105	51-161
1,1-Dichloroethane	50	NA	53		107	74-135
Acrylonitrile	250	NA	270		108	67-144
Ethyl tertiary-butyl ether	50	NA	49		98	79-136
Vinyl Acetate	50	NA	50		101	57-139
cis-1,2-Dichloroethene	50	NA	51		103	75-117
1,2-Dichloroethylene (total)	100	NA	102		102	72-121
Methyl Methacrylate	50	NA	49		97	71-136
2,2-Dichloropropane	50	NA	57		115	55-140
Bromochloromethane	50	NA	56		112	80-132
Chloroform	50	NA	55		111	80-125
Carbon Tetrachloride	50	NA	58		115	76-123
Tetrahydrofuran	50	NA	47		95	38-157
1,1,1-Trichloroethane	50	NA	55		109	79-125
1,1-Dichloropropene	50	NA	54		108	80-125
2-Butanone	50	NA	50		100	45-184
Benzene	50	NA	54		107	71-125
Cyclohexane	50	NA	55		110	57-128
Ethyl Methacrylate	50	NA	48		95	73-134
Tertiary-amyl methyl ether	50	NA	54		107	78-133
1,2-Dichloroethane	50	NA	57		114	75-125
Trichloroethene	50	NA	53		106	78-118

KATAHDIN ANALYTICAL SERVICES
LAB CONTROL SAMPLE

Client:
Project: CTO 426 NLON
PO No:
Sample Date:
Received Date:
Extraction Date:
Analysis Date: 06/23/08
Report Date: 06/25/2008
Matrix: WATER

Lab ID: WG52797-1
Client ID: WG52797-LCS
SDG: CTO426-4
Extracted by:
Extraction Method: SW846 5030
Analyst: TTC
Analysis Method: SW846 8260B
Lab Prep Batch: WG52797
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	52	103	78-127
Bromodichloromethane	50	NA	53	107	76-118
cis-1,3-dichloropropene	50	NA	54	109	84-125
1,4-Dioxane	1000	NA	753	75	10-178
2-Chloroethylvinylether	50	NA	50	99	20-191
Toluene	50	NA	55	111	79-118
4-methyl-2-pentanone	50	NA	48	96	44-157
Tetrachloroethene	50	NA	53	106	71-137
trans-1,3-Dichloropropene	50	NA	62	124	89-137
1,1,2-Trichloroethane	50	NA	51	102	76-125
Dibromochloromethane	50	NA	54	109	77-119
1,3-Dichloropropane	50	NA	51	102	79-122
1,2-Dibromoethane	50	NA	54	109	78-124
2-Hexanone	50	NA	42	85	27-182
Chlorobenzene	50	NA	52	103	81-118
Ethylbenzene	50	NA	54	108	80-115
1,1,1,2-Tetrachloroethane	50	NA	53	106	79-118
Xylenes (total)	150	NA	157	105	85-114
m+p-Xylenes	100	NA	107	107	87-113
o-Xylene	50	NA	50	100	80-118
Styrene	50	NA	51	102	81-116
Bromoform	50	NA	56	112	69-129
Isopropylbenzene	50	NA	54	108	87-129
cis-1,4-Dichloro-2-Butene	50	NA	49	97	60-133
trans-1,4-Dichloro-2-Butene	50	NA	48	96	67-134
Bromobenzene	50	NA	54	108	83-112
N-Propylbenzene	50	NA	48	97	79-121
1,1,2,2-Tetrachloroethane	50	NA	49	98	68-133
1,3,5-Trimethylbenzene	50	NA	51	101	80-117
2-Chlorotoluene	50	NA	48	95	86-113
1,2,3-Trichloropropane	50	NA	50	101	63-133
4-Chlorotoluene	50	NA	51	102	84-117
tert-Butylbenzene	50	NA	49	98	78-122
Pentachloroethane	50	NA	51	101	64-135
1,2,4-Trimethylbenzene	50	NA	49	98	78-116
P-Isopropyltoluene	50	NA	49	99	79-123
1,3-Dichlorobenzene	50	NA	54	108	86-111
1,4-Dichlorobenzene	50	NA	51	101	78-118
N-Butylbenzene	50	NA	49	98	76-119
sec-Butylbenzene	50	NA	48	95	77-121
1,2-Dichlorobenzene	50	NA	55	111	86-113
1,2-Dibromo-3-Chloropropane	50	NA	50	100	63-133
1,3,5-Trichlorobenzene	50	NA	54	108	84-118
Hexachlorobutadiene	50	NA	48	97	70-114

KATAHDIN ANALYTICAL SERVICES
LAB CONTROL SAMPLE

Client:
Project: CTO 426 NLON
PO No:
Sample Date:
Received Date:
Extraction Date:
Analysis Date: 06/23/08
Report Date: 06/25/2008
Matrix: WATER

Lab ID: WG52797-1
Client ID: WG52797-LCS
SDG: CTO426-4
Extracted by:
Extraction Method: SW846 5030
Analyst: TTC
Analysis Method: SW846 8260B
Lab Prep Batch: WG52797
Units: ug/l

COMPOUND	LCS SPIKE	SAMPLE CONC.	LCS CONC.	%REC.	QC. LIMITS
1,2,4-Trichlorobenzene	50	NA	54	109	74-116
1,2,3-Trimethylbenzene	50	NA	54	108	85-124
Naphthalene	50	NA	48	95	64-121
1,2,3-Trichlorobenzene	50	NA	47	94	73-117
Methyl Acetate	50	NA	53	106	52-142
Methylcyclohexane	50	NA	48	95	83-125
1-Chlorohexane	50	NA	50	101	78-128
Total Alkylbenzenes	350	NA	343	98	60-140

Data File: \\Target_server\GG\chem\gcms-f.i\F062308.b\F1019.D
Report Date: 25-Jun-2008 10:53

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gcms-f.i\F062308.b\F1019.D
Lab Smp Id: WG52797-1 Client Smp ID: WG52797-LCS
Inj Date : 23-JUN-2008 10:54 MS Autotune Date: 01-JAN-1990 15:37
Operator : TTC Inst ID: gcms-f.i
Smp Info : WG52797-1
Misc Info : SW846 8260B
Comment :
Method : \\Target_server\GG\chem\gcms-f.i\F062308.b\F826a09.m
Meth Date : 23-Jun-2008 10:33 tcote Quant Type: ISTD
Cal Date : 19-JUN-2008 14:45 Cal File: F0987.D
Als bottle: 2 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.12
Processing Host: TARGET06

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	sample purged
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	CONCENTRATIONS FINAL (ug/l)	REVIEW COD
1 Dichlorodifluoromethane	85	1.880	1.883	(0.221)	85508	30.1126	30.1	
2 Chloromethane	50	2.077	2.080	(0.244)	205035	35.0429	35.0	
3 Vinyl chloride	62	2.158	2.162	(0.253)	191550	38.7630	38.8	
4 Bromomethane	94	2.495	2.498	(0.293)	105264	36.7029	36.7	
5 Chloroethane	64	2.634	2.638	(0.309)	133089	42.4292	42.4	
6 Trichlorofluoromethane	101	2.785	2.788	(0.327)	241534	58.9232	58.9	
7 Diethyl Ether	59	3.133	3.137	(0.368)	199704	53.5515	53.6	
8 Tertiary-butyl alcohol	59	4.712	4.715	(0.553)	65653	277.368	277	
9 1,1-Dichloroethene	96	3.354	3.357	(0.394)	167495	51.8332	51.8	
10 Carbon Disulfide	76	3.377	3.380	(0.396)	540989	51.1814	51.2	
11 Freon-113	151	3.412	3.415	(0.401)	118927	54.7110	54.7	
12 Iodomethane	142	3.528	3.531	(0.414)	255967	57.2435	57.2(R)	
13 Acrolein	56	3.783	3.787	(0.444)	196679	245.919	246	
14 Methylene Chloride	84	4.097	4.099	(0.481)	222589	49.0274	49.0	
15 Acetone	43	4.190	4.203	(0.492)	78074	50.5739	50.6	
16 Isobutyl Alcohol	43	8.867	8.882	(1.041)	134720	931.336	931	
17 trans-1,2-Dichloroethene	96	4.329	4.332	(0.508)	198047	51.0279	51.0	
18 Allyl Chloride	41	3.957	3.961	(0.465)	443855	50.6526	50.6	
19 Methyl tert-butyl ether	73	4.514	4.518	(0.530)	1217555	115.685	116	
20 Acetonitrile	39	4.874	4.889	(0.572)	76370	507.805	508	
21 Di-isopropyl ether	45	5.153	5.168	(0.605)	980983	48.0972	48.1	
22 Chloroprene	53	5.269	5.272	(0.619)	379431	48.9233	48.9	
23 Propionitrile	54	8.344	8.359	(0.980)	336956	523.243	523	

Data File: \\Target_server\GG\chem\gcms-f.i\F062308.b\F1019.D
Report Date: 25-Jun-2008 10:53

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	CONCENTRATIONS FINAL (ug/l)	REVIEW COD
	24 Methacrylonitrile	41	8.379	8.394	(0.984)	2035626	573.797	574	
	25 1,1-Dichloroethane	63	5.304	5.307	(0.623)	422642	53.3168	53.3	
	26 Acrylonitrile	52	5.420	5.435	(0.636)	428687	270.354	270	
	27 Ethyl tertiary-butyl ether	59	5.826	5.841	(0.684)	740790	49.1136	49.1	
	28 Vinyl Acetate	43	5.838	5.852	(0.624)	618825	50.4662	50.5	
	29 cis-1,2-Dichloroethene	96	6.348	6.351	(0.745)	207086	51.3016	51.3	
M	30 1,2-Dichloroethylene (total)	96				405133	102.330	102	
	31 Methyl Methacrylate	41	10.341	10.344	(1.105)	219422	48.5657	48.6	
	32 2,2-Dichloropropane	77	6.569	6.584	(0.771)	280311	57.3754	57.4	
	33 Bromochloromethane	128	6.778	6.781	(0.796)	97405	56.0411	56.0	
	34 Chloroform	83	6.998	7.001	(0.822)	360450	55.3147	55.3	
	35 Carbon Tetrachloride	117	7.242	7.257	(0.774)	209572	57.4642	57.5	
	36 Tetrahydrofuran	42	7.358	7.361	(0.864)	64149	47.3896	47.4	
$	37 Dibromofluoromethane	113	7.416	7.431	(0.871)	176066	43.3627	43.4	
	38 1,1,1-Trichloroethane	97	7.416	7.419	(0.871)	263924	54.6423	54.6	
	39 1,1-Dichloropropene	75	7.706	7.721	(0.824)	255381	53.8983	53.9	
	40 2-Butanone	43	7.753	7.767	(0.910)	113156	49.9727	50.0	
	41 Benzene	78	8.240	8.243	(0.881)	829034	53.6843	53.7	
*	42 Pentafluorobenzene	168	8.519	8.532	(1.000)	352140	50.0000		
	43 Cyclohexane	56	6.743	6.746	(0.792)	297671	54.9969	55.0	
	44 Ethyl Methacrylate	69	11.780	11.783	(1.259)	257041	47.7181	47.7	
$	45 1,2-Dichloroethane-D4	65	8.507	8.510	(0.999)	229214	44.2266	44.2	
	46 Tertiary-amyl methyl ether	73	8.565	8.568	(1.005)	576249	53.6352	53.6	
	47 1,2-Dichloroethane	62	8.635	8.638	(0.923)	311257	56.8430	56.8	
	48 Trichloroethene	95	9.261	9.265	(0.990)	197290	53.0513	53.0	
*	49 1,4-Difluorobenzene	114	9.354	9.357	(1.000)	570628	50.0000		
	50 Dibromomethane	93	9.842	9.845	(1.052)	118992	53.8117	53.8	
	51 1,2-Dichloropropane	63	9.981	9.984	(1.067)	217553	51.6745	51.7	
	52 Bromodichloromethane	83	10.085	10.089	(1.078)	268705	53.2841	53.3	
	53 cis-1,3-dichloropropene	75	10.828	10.843	(1.158)	344676	54.4056	54.4	
	54 1,4-Dioxane	88	10.352	10.356	(1.107)	26426	752.930	753	
$	55 Toluene-D8	98	11.037	11.040	(1.180)	676504	48.4457	48.4	
	56 2-Chloroethylvinylether	63	10.805	10.808	(1.155)	134138	49.6218	49.6	
	57 Toluene	92	11.084	11.087	(1.185)	498702	55.2837	55.3	
	58 4-methyl-2-pentanone	43	11.536	11.539	(1.233)	224367	48.2059	48.2	
	59 Tetrachloroethene	164	11.490	11.505	(0.894)	158638	53.0249	53.0	
	60 trans-1,3-Dichloropropene	75	11.559	11.563	(1.236)	326058	61.9382	61.9	
	61 1,1,2-Trichloroethane	83	11.733	11.737	(1.254)	145145	50.8703	50.9	
	62 Dibromochloromethane	129	11.931	11.946	(0.928)	174123	54.4861	54.5	
	63 1,3-Dichloropropane	76	12.047	12.062	(0.937)	320607	51.0031	51.0	
	64 1,2-Dibromoethane	107	12.209	12.212	(1.305)	168890	54.3112	54.3	
	65 2-Hexanone	43	12.546	12.549	(0.976)	135413	42.4774	42.5	
*	66 Chlorobenzene-D5	117	12.859	12.862	(1.000)	486078	50.0000		
	67 Chlorobenzene	112	12.882	12.886	(1.002)	524902	51.6713	51.7	
	152 1-Chlorohexane	91	12.882	12.886	(1.512)	251951	50.5005	50.5	
	68 Ethylbenzene	106	12.929	12.932	(1.005)	262426	53.7687	53.8	
	69 1,1,1,2-Tetrachloroethane	131	12.964	12.967	(1.008)	167686	52.8842	52.9	
M	70 Xylenes (total)	106				943560	157.404	157	
	71 m+p-Xylenes	106	13.126	13.129	(1.021)	644629	107.315	107	
	72 o-Xylene	106	13.672	13.675	(1.063)	298931	50.0897	50.1	
	73 Styrene	104	13.741	13.744	(1.069)	558426	51.0686	51.1	
	74 Bromoform	173	13.753	13.756	(1.069)	112871	56.2552	56.2	
	75 Isopropylbenzene	105	14.078	14.093	(0.881)	699580	54.1160	54.1	
$	76 P-Bromofluorobenzene	95	14.438	14.441	(1.543)	277899	50.2746	50.3	

Data File: \\Target_server\GG\chem\gcms-f.i\F062308.b\F1019.D
Report Date: 25-Jun-2008 10:53

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	CONCENTRATIONS FINAL (ug/l)	REVIEW COD
77 cis-1,4-Dichloro-2-Butene	53	14.542	14.545	(0.910)	83199	48.5968	48.6	
78 trans-1,4-Dichloro-2-Butene	53	14.972	14.975	(0.937)	80311	48.1284	48.1	
79 Bromobenzene	156	14.577	14.580	(0.912)	182900	53.9374	53.9	
80 N-Propylbenzene	91	14.635	14.638	(0.916)	854078	48.3765	48.4	
81 1,1,2,2-Tetrachloroethane	83	14.728	14.743	(0.922)	199435	48.8650	48.9	
82 1,3,5-Trimethylbenzene	105	14.914	14.917	(0.933)	580982	50.6013	50.6	
83 2-Chlorotoluene	91	14.832	14.835	(0.928)	526000	47.5161	47.5	
84 1,2,3-Trichloropropane	75	14.902	14.905	(0.932)	182310	50.5241	50.5	
85 4-Chlorotoluene	91	15.064	15.068	(0.943)	590538	50.7701	50.8	
86 tert-Butylbenzene	119	15.343	15.346	(0.960)	487769	49.1089	49.1	
87 Pentachloroethane	117	15.355	15.358	(0.961)	98426	50.6013	50.6	
88 1,2,4-Trimethylbenzene	105	15.447	15.451	(0.967)	588016	49.0022	49.0	
89 P-Isopropyltoluene	119	15.807	15.810	(0.989)	482149	49.3693	49.4	
90 1,3-Dichlorobenzene	146	15.877	15.880	(0.993)	320476	54.1101	54.1	
* 91 1,4-Dichlorobenzene-D4	152	15.981	15.984	(1.000)	229835	50.0000		
92 1,4-Dichlorobenzene	146	16.004	16.008	(1.001)	333018	50.6484	50.6	
93 N-Butylbenzene	91	16.399	16.402	(1.026)	445532	48.9517	49.0	
94 sec-Butylbenzene	105	15.587	15.601	(0.975)	594140	47.5868	47.6	
95 1,2-Dichlorobenzene	146	16.596	16.600	(1.038)	302056	55.3072	55.3	
96 1,2-Dibromo-3-Chloropropane	75	17.769	17.772	(1.112)	27381	50.1857	50.2	
97 1,3,5-Trichlorobenzene	180	17.827	17.830	(1.115)	174331	53.8202	53.8	
98 Hexachlorobutadiene	225	18.778	18.782	(1.175)	53712	48.4835	48.5	
99 1,2,4-Trichlorobenzene	180	18.790	18.793	(1.176)	143537	54.2807	54.3	
100 1,2,3-Trimethylbenzene	105	16.051	16.053	(1.004)	631703	53.8250	53.8	
101 Naphthalene	128	19.289	19.292	(1.207)	279048	47.4918	47.5	
102 1,2,3-Trichlorobenzene	180	19.568	19.571	(1.224)	102477	46.9535	47.0	
103 Methyl Acetate	43	4.375	4.390	(0.514)	243128	52.8923	52.9	
104 Methylcyclohexane	83	9.227	9.230	(1.083)	214141	47.6163	47.6	
M 153 Total Alkylbenzenes	100				4032666	342.997	343	

QC Flag Legend

R - Spike/Surrogate failed recovery limits.

Data File: \\Target_server\GG\chem\gcms-f.i\F062308.b\F1019.D
Report Date: 25-Jun-2008 10:53

Katahdin Analytical Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcms-f.i
Lab File ID: F1019.D
Lab Smp Id: WG52797-1
Analysis Type: VOA
Quant Type: ISTD
Operator: TTC
Method File: \\Target_server\GG\chem\gcms-f.i\F062308.b\F826a09.m
Misc Info: SW846 8260B

Calibration Date: 23-JUN-2008
Calibration Time: 10:10
Client Smp ID: WG52797-LCS
Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 4

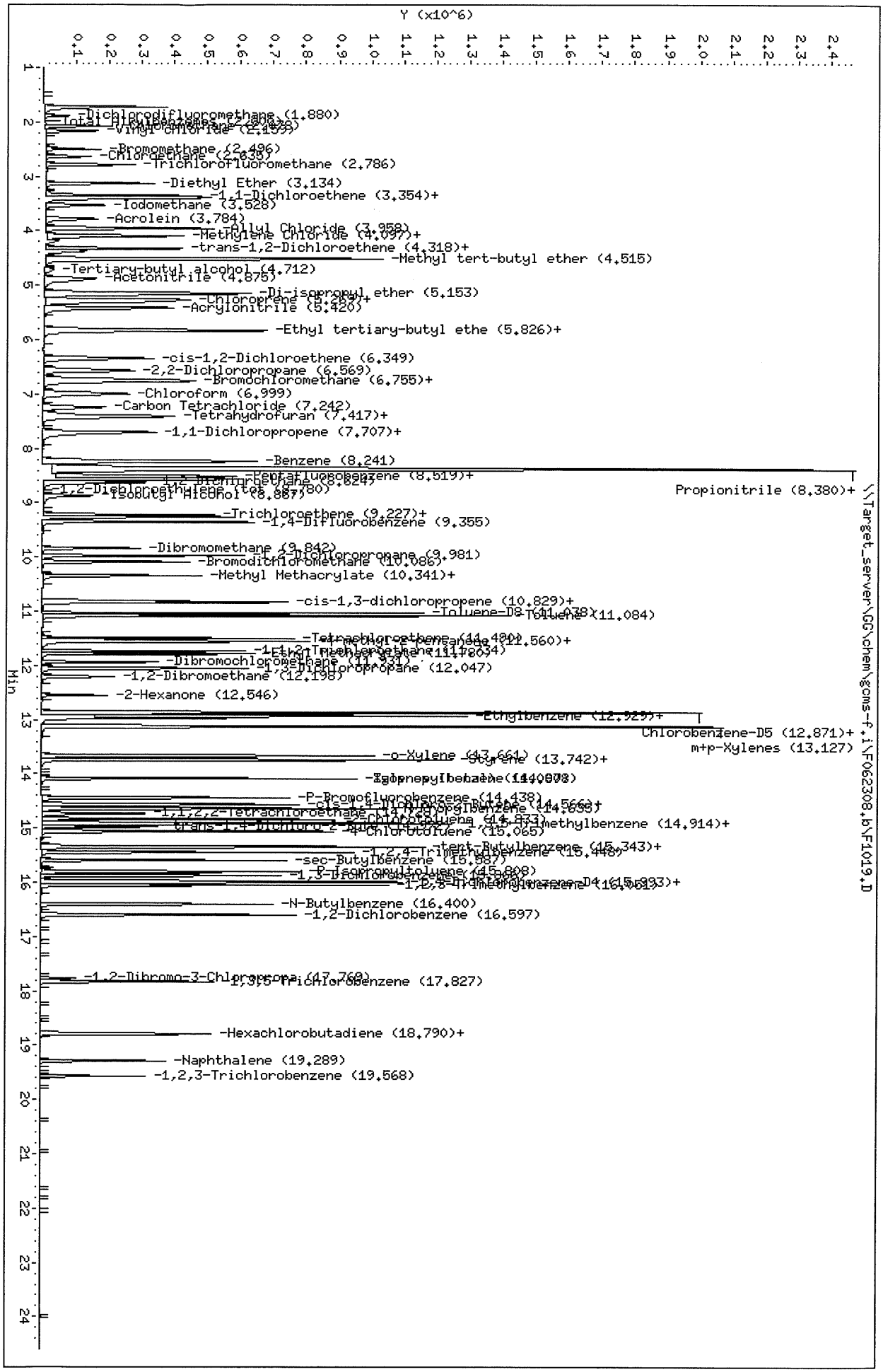
COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	343414	171707	686828	352140	2.54
49 1,4-Difluorobenze	578408	289204	1156816	570628	-1.35
66 Chlorobenzene-D5	484535	242268	969070	486078	0.32
91 1,4-Dichlorobenze	228488	114244	456976	229835	0.59

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	8.53	8.03	9.03	8.52	-0.07
49 1,4-Difluorobenze	9.35	8.85	9.85	9.35	0.06
66 Chlorobenzene-D5	12.85	12.35	13.35	12.86	0.04
91 1,4-Dichlorobenze	15.98	15.48	16.48	15.98	0.03

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.

Data File: \\Target_server\GC\chem\gcms-f.i\F062308.b\F1019.D
Date : 23-JUN-2008 10:54
Client ID: WG52797-LCS
Sample Info: WG52797-1
Purge Volume: 5.0
Column phase: RTX-VMS

Instrument: gcms-f.i
Operator: TTC
Column diameter: 0.18



Logbooks and Supporting Documents

KATAHDIN ANALYTICAL SERVICES
GCMS-F INSTRUMENT RUNLOG

DATE/TIME OF BFB INJECTION: 061908
Reviewed by/Date:

SAMPLE NAME	DATAFILE	DF	ALS #	METHOD	Y/N	MS/MSD	PH	ANALYST	COMMENTS
50 ng BFB	F0961	1	—	BFB0884Q	Y	—	—	TTC	
VSTD200F19A	F0982	1	1	F826A09/	Y	NA	NA		
VSTD100F19A	F0983	1	2	F624A614	Y				
VSTD050F19A	F0984	1	3		Y				
VSTD020F19A	F0985	1	4		Y				Curve OK
VSTD005F19A	F0986	1	5		Y				
VSTD001F19A	F0987	1	6		Y				
VSTD005F19A	F0989	1	7		N				Did Not Run EIR 2nd Source Next Day
VSTD001F19A	F0990	1	8						
LCSA	F0991	1	9						
RINSE	F0992	1	10		—	—	—		
↓	F0993	1	11		—	—	—		

SKC 062008

STANDARD	CODE
BFB	V2074 TTC dilution
CAL. STD.	~~V2113~~ V2120
LCS/MS MIX	~~V2116~~ V2119
EXTRAS MIX	22114

STANDARD	CODE
IS MIX	V2112
SS MIX	V2109

Circle Methods:

SW846 8260	OLM 04.2
EPA 624	OLM 03.1
EPA 524	OLC 02.1
SIM	OLC 03.2

QAMS376

Katahdin Analytical Services 1000113

0000053

KATAHDIN ANALYTICAL SERVICES
GCMS-F INSTRUMENT RUNLOG

DATE/TIME OF BFB INJECTION: 062008 07:24
Reviewed by/Date:

Time adjusted for power failure @ 4:18 6/6 -TTC

SAMPLE NAME	DATAFILE	DF	ALS #	METHOD	Y/N	MS/MSD	PH	ANALYST	COMMENTS
50ng BFB	FB962	1	–	BFB283AQ	Y	–	–	TTC	
VSTD050F20A	F0994	1	1	F826A09	Y	–	–		
LCSA WG527226-1	F0995	1	2		Y	–	–		
VBIKA	F0996	1	3		Y	–	–		
VBIKB WG527226-2	F0997	1	4		N	–	–		
MeOH BIK	F0998	1	5		Y	–	–		Target hits.
SB3224-11 A	F0999	1	6		Y	1	–		
-12 A	F1000	1	7		Y	2	4		
-1 A	F1001	1	8		Y	3	4		
-2 A	F1002	1	9		Y	4	4		
-3 A	F1003	1	10		Y	5	10		50µL AF added.
-4 A	F1004	1	11		Y	6	10		
-5 A	F1005	1	12		Y	7	10		
-6 A	F1006	1	13		Y	8	10		
-7 A	F1007	1	14		Y	9	10		
-8 A	F1008	1	15		N	10	14		1 SS ↓
-9 A	F1009	1	16		Y	11	10		
-10 A	F1010	1	17		Y	12	10		
SB3102-5 B	F1011	1	18		Y	13	10		
SB3147-2 A	F1012	1	19		Y	14	<2		
SB3274-1DL G	F1013	1	20		Y	15	<2		
-2 ~~DL~~ TTC 6/23/08 C	F1014	1:200	21		Y	16	–		40µL/20mL
Rinse	F1015	1	22		Y	17	<2		18147 ✓
Rinse	F1016	1	23		–	–	–		
Rinse	F1017	1	24		–	–	–		
					–	–	–		
									-TTC 6/23/08

STANDARD	CODE
BFB	V2074
CAL. STD.	V2120
LCS/MS MIX	V2119
EXTRAS MIX	V2114

STANDARD	CODE
IS MIX	V2112
SS MIX	V2109

Circle Methods:

SW846 8260
EPA 624
EPA 524
SIM

OLM 04.2
OLM 03.1
OLC 02.1
OLC 03.2

KATAHDIN ANALYTICAL SERVICES
GCMS-F INSTRUMENT RUNLOG

DATE/TIME OF BFB INJECTION: 062308 09:47
Reviewed by/Date:

SAMPLE NAME	DATAFILE	DF	ALS #	METHOD	Y/N	MS/MSD	PH	ANALYST	COMMENTS
50 ng BFB	F3963	1	–	BFB288AQ	Y	–	–	TTC	
VSTD050F23A	F1018	1	1	F826A09	Y	–	–		
LCSA W652747-1	F1019	1	2		Y	–	–		
VBLKA ~~W652747-1~~ -TTC 6/23/08	F1020	1	3		N	–	–		
VBLKB W652747-2	F1021	1	4		Y	–	–		Target hits.
SB3166-29 A	F1022	1	5		Y	18	<2		~~RR 1:5~~ -TTC 6/24/08
SB3097-1 DL C	F1023	1:2	6		Y	19	<2		20 mL/40 mL RR 1:5
-7 DL C	F1024	1:2	7		Y	20	<2		
-9 DL D	F1025	1:2	8		Y	21	<2		
-11 DL B	F1026	1:2	9		Y	22	<2		
SB3224-7 RA B	F1027	1	10		Y	23	14		ISS & matrix
SB3102-8 A	F1028	1	11		Y	24	<2		
-7 A	F1029	1	12		Y	25	<2		
-6 A	F1030	1	13		Y	26	<2		
SB3144-1 A	F1031	1	14		Y	27	<2		
SB3165-1 A	F1032	1	15		Y	28	<2		
-3 A	F1033	1	16		Y	29	<2		
SB3166-1 A	F1034	1	17		Y	30	<2		
SB3147-3 A	F1035	1	18		Y	31	<2		
SB3106-1 A	F1036	1	19		Y	32	<2		
-2 A	F1037	1	20		Y	33	<2		
SB3064-4 DL	F1038	1	21		Y	34	<2		
-3 DL	F1039	1	22		Y	35	<2		1 mL/20 mL
Rinse	~~F1040~~ F1040	1	23		–	–	–		10 mL/20 mL 21:42 ✓
Rinse	F1041	1	24		–	–	–		
Rinse	F1042	1	25		–	–	–		
									-TTC 6/24/08

STANDARD	CODE
BFB	V2074
CAL. STD.	V2120
LCS/MS MIX	V2119
EXTRAS MIX	V2114

STANDARD	CODE
IS MIX	V2112
SS MIX	V2109

Circle Methods:

SW846 8260
EPA 624
EPA 524
SIM

OLM 04.2
OLM 03.1
OLC 02.1
OLC 03.2

TOTAL PETROLEUM HYDROCARBON

QC Summary Section

FORM 2
WATER DRO SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 426 NLONHN ST. SDG No.: CTO426-4

	CLIENT SAMPLE ID	LAB SAMPLE ID	S1 OTP#	S2 #	S3 #	S4 #	S5 #	S6 #	S7 #	S8 #	TOT OUT
01	WG52475-BLANK	WG52475-1	78								0
02	WG52475-LCS	WG52475-2	90								0
03	AWDSWDUP0120080610	SB3102-1	79								0
04	AWDSWSW120080610	SB3102-4	74								0
05	AWDSWPZ203A20080610	SB3102-5	70								0
06											
07											
08											
09											
10											
11											
12											
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22											
23											
24											
25											
26											
27											
28											

S1 (OTP) = O-Terphenyl QC LIMITS (46-116)

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

FORM 4

SEMIVOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE ID

WG52475-BLANK

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 426 NLON SDG No.: CTO426-4

Lab File ID: ABF3040 Lab Sample ID: WG52475-1

Instrument ID: GC10 Date Extracted: 06/13/08

Matrix: (soil/water) WATER Date Analyzed: 06/20/08

Level:(low/med) LOW Time Analyzed: 1546

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	WG52475-LCS	WG52475-2	ABF3041	06/20/08	1624
02	AWDSWDUP0120080610	SB3102-1	ABF3068	06/21/08	0955
03	AWDSWSW120080610	SB3102-4	ABF3069	06/21/08	1034
04	AWDSWPZ203A20080610	SB3102-5	ABF3070	06/21/08	1112
05					
06					
07					
08					
09					
10					
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13					
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29					
30					

COMMENTS:

FORM IVDRO

FORM 8
DRO ANALYTICAL SEQUENCE

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 426 NLON SDG No.: CTO426-4

GC Column: ZB-1 ID: 0.53 (mm) Init. Calib. Date(s): 04/08/08 04/08/08

Instrument ID: GC10

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION
S1 : 12.56

	CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	S1 RT #	RT #
01		PHC 50UG/ML	04/08/08	1420	12.56	
02		PHC 200UG/ML	04/08/08	1458	12.57	
03		PHC 100UG/ML	04/08/08	1535	12.56	
04		PHC 20UG/ML	04/08/08	1613	12.56	
05		PHC 5UG/ML	04/08/08	1651	12.55	
06		PHC IND	04/08/08	1729		
07		PHC 50UG/ML	06/20/08	1353	12.47	
08	WG52475-BLAN	WG52475-1	06/20/08	1546	12.46	
09	WG52475-LCS	WG52475-2	06/20/08	1624	12.46	
10		PHC 20UG/ML	06/20/08	2330	12.44	
11		PHC 50UG/ML	06/21/08	0836	12.44	
12	AWDSWDUP0120	SB3102-1	06/21/08	0955	12.44	
13	AWDSWSW12008	SB3102-4	06/21/08	1034	12.44	
14	AWDSWPZ203A2	SB3102-5	06/21/08	1112	12.44	
15		PHC 20UG/ML	06/21/08	1230	12.45	
16						
17						
18						
19						
20						

S1 = O-Terphenyl QC LIMITS (+/- 0.38 MINUTES)

Column used to flag retention time values with an asterisk.
* Values outside of QC limits.

FORM VIII DRO

Sample Data Section

KATAHDIN ANALYTICAL SERVICES - ORGANIC DATA QUALIFIERS

U Indicates the compound was analyzed for but not detected above the laboratory Practical Quantitation Limit.

* Compound recovery outside of quality control limits.

D Indicates the result was obtained from analysis of a diluted sample. Surrogate recoveries may not be calculable.

E Estimated value. This flag identifies compounds whose concentrations exceed the upper level of the calibration range of the instrument for that specific analysis.

J Estimated value. The analyte was detected in the sample at a concentration less than the laboratory Practical Quantitation Limit (PQL), but above the Method Detection Limit (MDL).

or

J Used for Pesticide/Aroclor analyte when there is a greater than 40% difference for detected concentrations between the two GC columns.

B Indicates the analyte was detected in the laboratory method blank analyzed concurrently with the sample.

N Presumptive evidence of a compound based on a mass spectral library search.

A Indicates that a tentatively identified compound is a suspected aldol-condensation product.

P Used for Pesticide/Aroclor analyte when there is a greater than 25% difference for detected concentrations between the two GC columns. (for CLP methods only).

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
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 06/10/08
Received Date: 06/12/08
Extraction Date: 06/13/08
Analysis Date: 21-JUN-2008 09:55
Report Date: 07/01/2008
Matrix: WATER
% Solids: NA

Lab ID: SB3102-1
Client ID: AWDSWDUP0120080610
SDG: CTO426-4
Extracted by: KF
Extraction Method: SW846 3510
Analyst: KGT
Analysis Method: SW846 M8015B
Lab Prep Batch: WG52475
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
	Extractable TPH C9-C36		230	1.0	75	78	47
	O-Terphenyl		79%				

Data File: \\Target_server\GG\chem\gc10.i\GC10BF19A1.b\ABF3068.d
Report Date: 30-Jun-2008 08:59

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gc10.i\GC10BF19A1.b\ABF3068.d
Lab Smp Id: SB3102-1 Client Smp ID: AWDSWDUP0120080610
Inj Date : 21-JUN-2008 09:55
Operator : KGT Inst ID: gc10.i
Smp Info : TPHA021B.M,GC10BF19A1.B,1,SB3102-1
Misc Info : SW846 M8015B
Comment :
Method : \\TARGET_SERVER\GG\chem\gc10.i\GC10BF19A1.B\TPHA021B.m
Meth Date : 27-Jun-2008 16:41 ktanguay Quant Type: ESTD
Cal Date : 08-APR-2008 16:51 Cal File: ABD1097a.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: SW8015M-TPH.sub
Subtraction File: \\Target_server\GG\chem\gc10.i\GC10BF19A1.b\ABF3065.d
Target Version: 4.12
Processing Host: TARGET02

Concentration Formula: Amt * DF * (Vt/Vo)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00100	Final Volume (L)
Vo	0.96000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/L)	REVIEW CODE
$ 8 O-Terphenyl	12.440	12.559	-0.119	117202	15.8683	16.5(M)	
S 10 Extractable TPH C9-C36	3.916-22.493			1477822	217.247	226(M)	M5

063000P

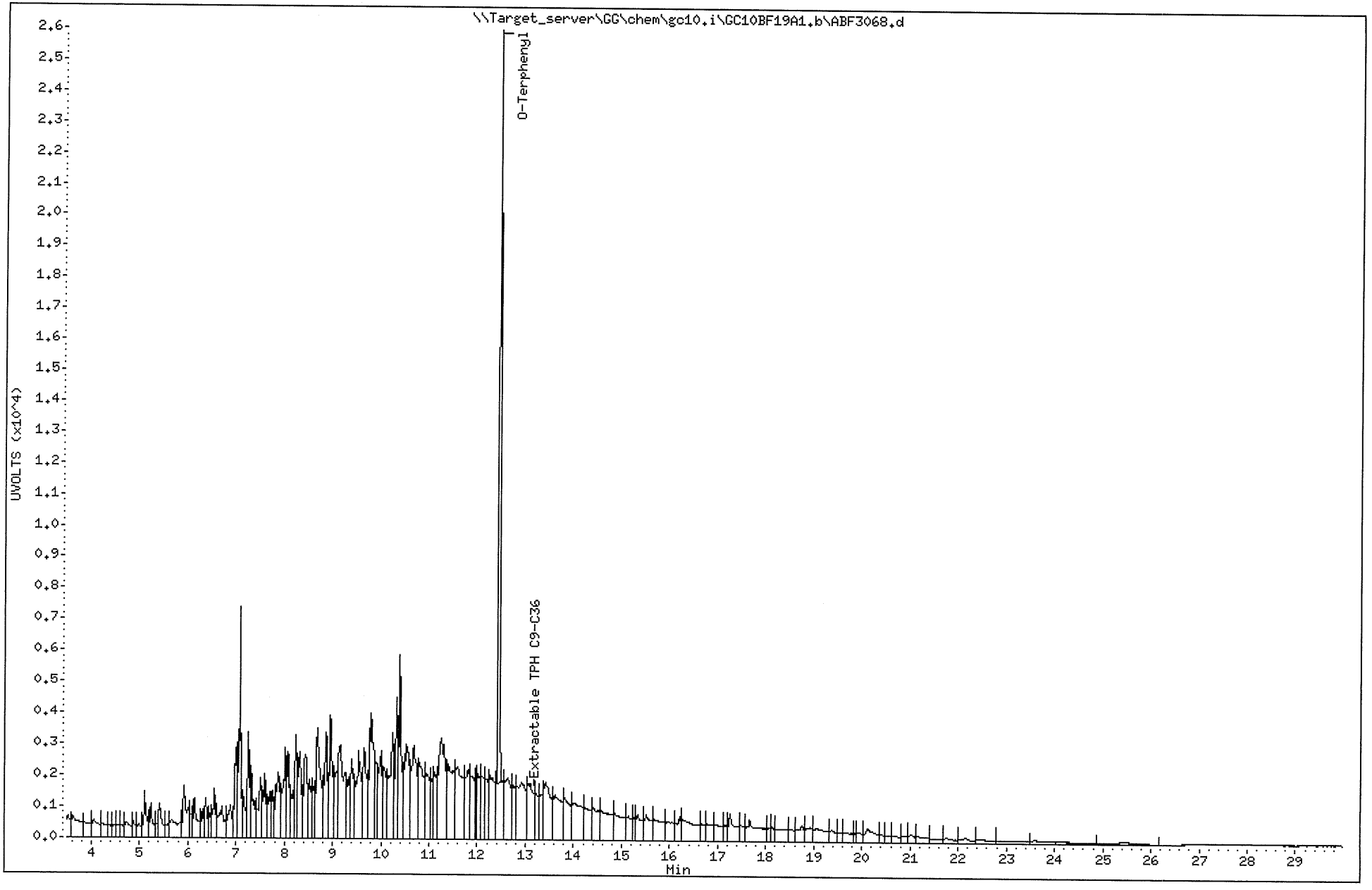
QC Flag Legend

M - Compound response manually integrated.

Data File: \\Target_server\GG\chem\gc10.i\GC10BF19A1.b\ABF3068.d
Date : 21-JUN-2008 09:55
Client ID: AWDSWDUP0120080610
Sample Info: TPHA021B.M,GC10BF19A1.B,1,SB3102-1
Purge Volume: 1.0
Column phase: ZB-1

Instrument: gc10.i

Operator: KGT
Column diameter: 0.53



Katahdin Analytical Services 2000011

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 06/10/08
Received Date: 06/12/08
Extraction Date: 06/13/08
Analysis Date: 21-JUN-2008 10:34
Report Date: 07/01/2008
Matrix: WATER
% Solids: NA

Lab ID: SB3102-4
Client ID: AWDSWSW120080610
SDG: CTO426-4
Extracted by: KF
Extraction Method: SW846 3510
Analyst: KGT
Analysis Method: SW846 M8015B
Lab Prep Batch: WG52475
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
	Extractable TPH C9-C36		200	1.0	75	75	45
	O-Terphenyl		74%				

Data File: \\Target_server\GG\chem\gc10.i\GC10BF19A1.b\ABF3069.d
Report Date: 30-Jun-2008 08:59

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gc10.i\GC10BF19A1.b\ABF3069.d
Lab Smp Id: SB3102-4 Client Smp ID: AWDSWSW120080610
Inj Date : 21-JUN-2008 10:34
Operator : KGT Inst ID: gc10.i
Smp Info : TPHA021B.M,GC10BF19A1.B,1,SB3102-4
Misc Info : SW846 M8015B
Comment :
Method : \\TARGET_SERVER\GG\chem\gc10.i\GC10BF19A1.B\TPHA021B.m
Meth Date : 27-Jun-2008 16:41 ktanguay Quant Type: ESTD
Cal Date : 08-APR-2008 16:51 Cal File: ABD1097a.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: SW8015M-TPH.sub
Subtraction File: \\Target_server\GG\chem\gc10.i\GC10BF19A1.b\ABF3065.d
Target Version: 4.12
Processing Host: TARGET02

Concentration Formula: Amt * DF * (Vt/Vo)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00100	Final Volume (L)
Vo	1.000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/L)	REVIEW CODE
$ 8 O-Terphenyl	12.440	12.559	-0.119	110146	14.8893	14.9(M)	
S 10 Extractable TPH C9-C36	3.916	-22.493		1359513	199.034	199(M)	

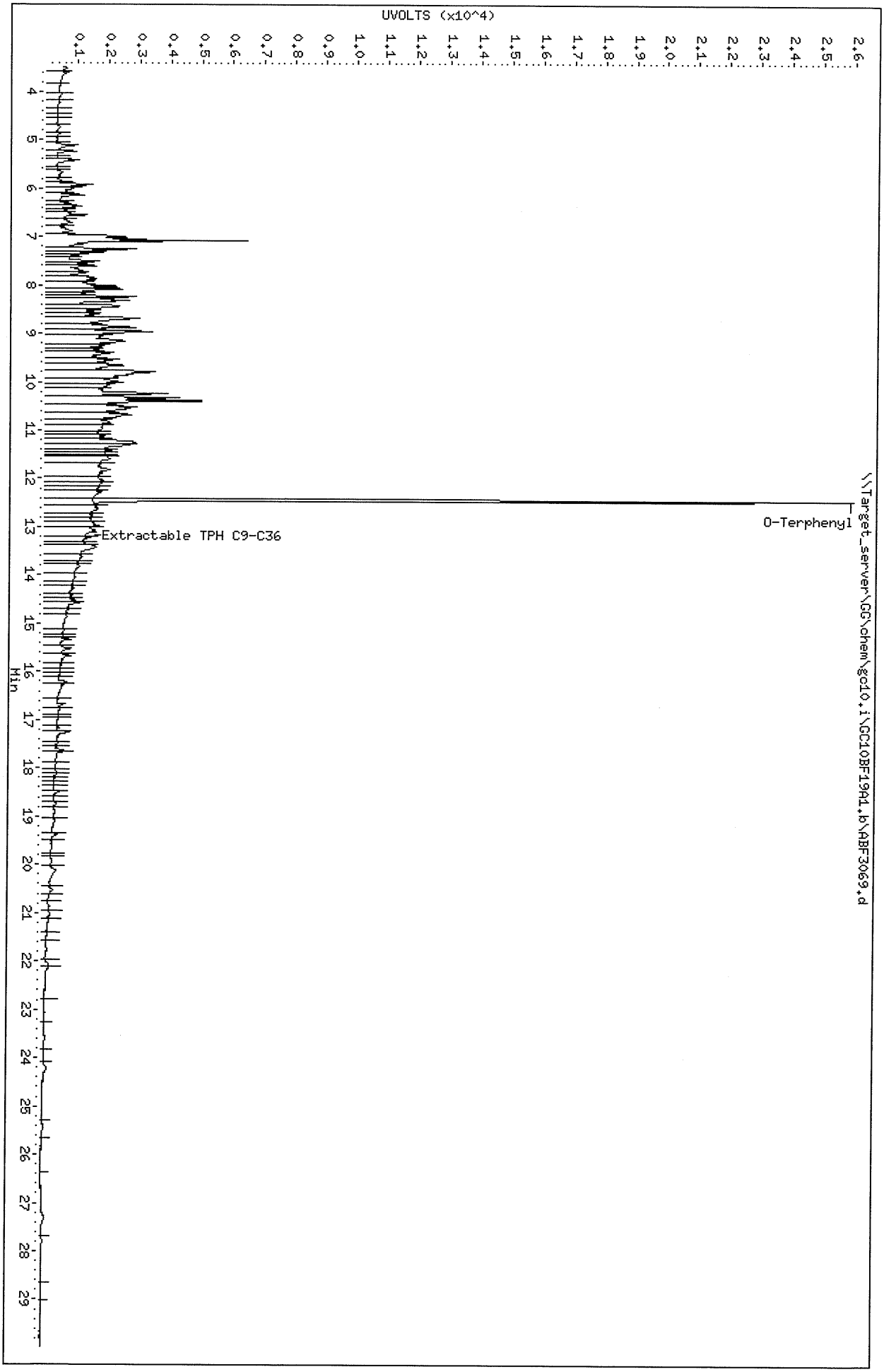
KR 063008
MS

QC Flag Legend

M - Compound response manually integrated.

Data File: \\Target_server\GC\chem\gc10.i\GC10BF19A1.b\ABF3069.d
Date : 21-JUN-2008 10:34
Client ID: AWDSWSW120080610
Sample Info: TPHA021B,M,GC10BF19A1,B.1,SB3102-4
Purge Volume: 1.0
Column phase: ZB-1

Instrument: gc10.i
Operator: KGT
Column diameter: 0.53



KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 06/10/08
Received Date: 06/12/08
Extraction Date: 06/13/08
Analysis Date: 21-JUN-2008 11:12
Report Date: 07/01/2008
Matrix: WATER
% Solids: NA

Lab ID: SB3102-5
Client ID: AWDSWPZ203A20080610
SDG: CTO426-4
Extracted by: KF
Extraction Method: SW846 3510
Analyst: KGT
Analysis Method: SW846 M8015B
Lab Prep Batch: WG52475
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
	Extractable TPH C9-C36	**U**	330	1.0	75	330	200
	O-Terphenyl		70%				

Data File: \\Target_server\GG\chem\gc10.i\GC10BF19A1.b\ABF3070.d
Report Date: 30-Jun-2008 08:59

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gc10.i\GC10BF19A1.b\ABF3070.d
Lab Smp Id: SB3102-5 Client Smp ID: AWDSWPZ203A20080610
Inj Date : 21-JUN-2008 11:12
Operator : KGT Inst ID: gc10.i
Smp Info : TPHA021B.M,GC10BF19A1.B,1,SB3102-5
Misc Info : SW846 M8015B
Comment :
Method : \\TARGET_SERVER\GG\chem\gc10.i\GC10BF19A1.B\TPHA021B.m
Meth Date : 27-Jun-2008 16:41 ktanguay Quant Type: ESTD
Cal Date : 08-APR-2008 16:51 Cal File: ABD1097a.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: SW8015M-TPH.sub
Subtraction File: \\Target_server\GG\chem\gc10.i\GC10BF19A1.b\ABF3065.d
Target Version: 4.12
Processing Host: TARGET02

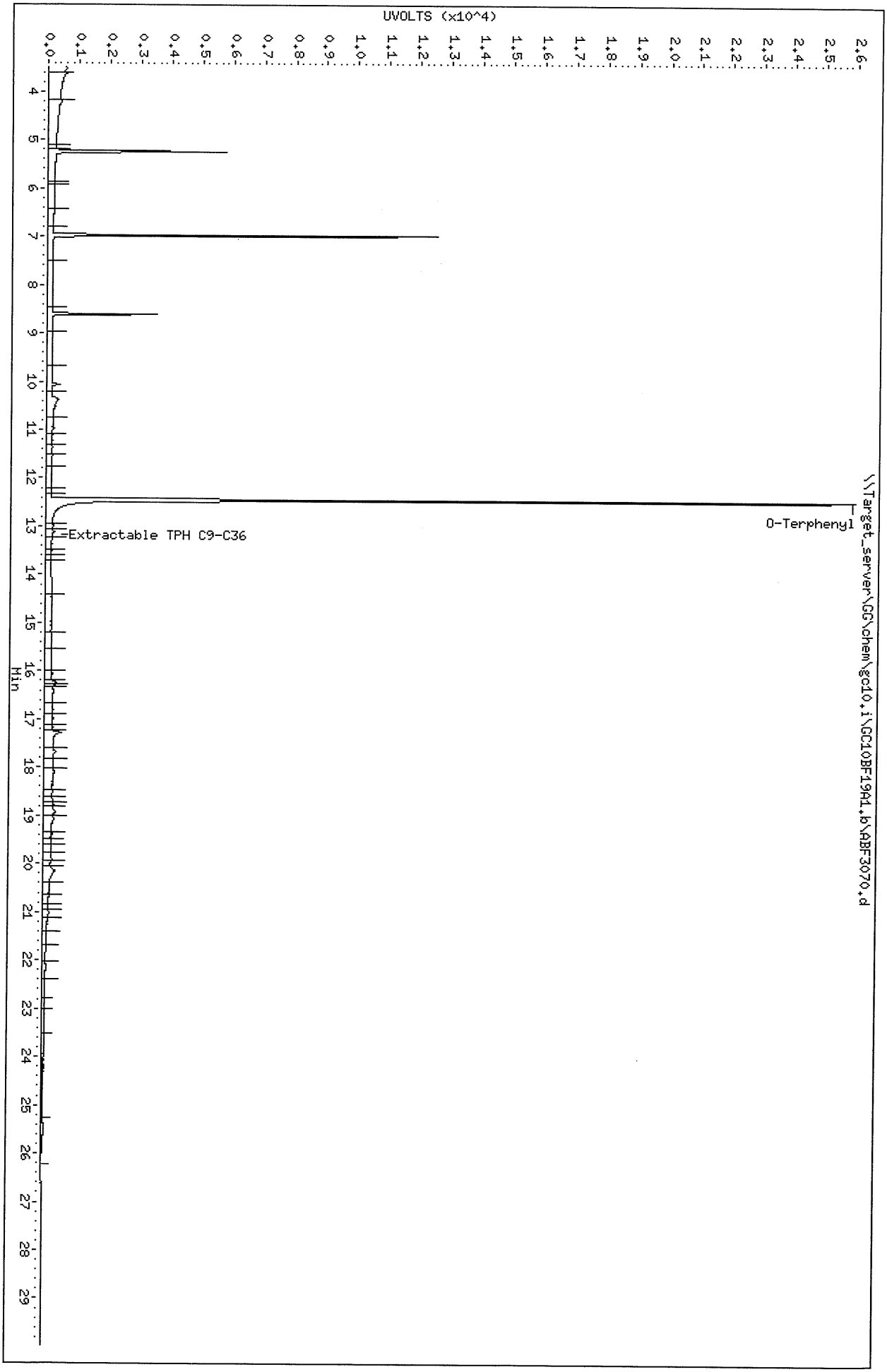
Concentration Formula: Amt * DF * (Vt/Vo)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00100	Final Volume (L)
Vo	0.23000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/L)	REVIEW CODE
$ 8 O-Terphenyl	12.442	12.559	-0.117	103940	14.0282	61.0	

Data File: \\Target_server\GC\chem\gc10.i\GC10BF19A1.b\ABF3070.d
Date : 21-JUN-2008 11:12
Client ID: AWDSWPZ203A20080610
Sample Info: TPHA021B.M,GC10BF19A1.B,1.SB3102-5
Purge Volume: 0.2
Column phase: ZB-1

Instrument: gc10.i
Operator: KGT
Column diameter: 0.53



Standards Data Section

FORM 6
DRO INITIAL CALIBRATION DATA

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project CTO 426 NLON SDG No.: CTO426-4

Instrument ID: GC10 Calibration Date(s): 04/08/08 04/08/08

Column: ZB-1 ID: 0.53 (mm) Calibration Time(s): 1420 1651

LAB FILE ID: RF5: ABD1097A RF20: ABD1096A RF50: ABD1093A
RF100: ABD1095A RF200: ABD1094A

COMPOUND	RF5	RF20	RF50	RF100	RF200	CURVE	COEFFICENTS A0	A1	%RSD OR R^2	MAX %RSD OR R^2
TPH Peaks C9-C36	456260	1909700	4544300	9497900	2e+007	LINR	-10.264417	1.54e-004	0.99937	0.99000
C-9	32386	131110	311890	653460	1248100	LINR	-0.6810611	1.595e-004	0.99943	0.99000
C-10	31005	132020	319160	664960	1274400	LINR	-0.5081632	1.561e-004	0.99951	0.99000
C-12	27211	125450	320650	673420	1279800	LINR	-0.1114423	1.548e-004	0.99923	0.99000
C-14	31425	136730	317000	672580	1282800	LINR	-0.5758226	1.551e-004	0.99933	0.99000
C-16	34123	135830	322490	673160	1282100	LINR	-0.8506545	1.553e-004	0.99938	0.99000
C-18	33247	138080	327370	683110	1300500	LINR	-0.8120776	1.53e-004	0.99936	0.99000
C-19	33132	137550	329450	685830	1302400	LINR	-0.8427309	1.527e-004	0.99930	0.99000
C-20	34097	140550	330000	691020	1316400	LINR	-0.8172681	1.512e-004	0.99936	0.99000
C-22	34304	139000	329680	685580	1308500	LINR	-0.8440508	1.522e-004	0.99943	0.99000
C-24	34078	143900	332590	683930	1304200	LINR	-1.1734825	1.529e-004	0.99940	0.99000
C-26	33545	137790	327210	674910	1278500	LINR	-1.1343041	1.557e-004	0.99925	0.99000
C-28	33967	141410	332500	687730	1311000	LINR	-0.9828310	1.52e-004	0.99940	0.99000
C-30	34330	143730	338520	702840	1348400	LINR	-0.7436945	1.478e-004	0.99954	0.99000
C-36	29401	126510	305840	665380	1256300	LINR	-0.1392394	1.577e-004	0.99895	0.99000
O-Terphenyl	15561	61620	145870	300120	574940	LINR	-0.3931122	1.387e-004	0.99953	0.99000

FORM VI DRO

eport Date : 15-Apr-2008 13:00

Katahdin Analytical Services

INITIAL CALIBRATION DATA

tart Cal Date : 08-APR-2008 14:20
nd Cal Date : 08-APR-2008 16:51
uant Method : ESTD
rigin : Included
arget Version : 4.12
ntegrator : HP Genie
ethod file : \\target_server\GG\chem\gc10.i\GC10BD08A1.b\tpha021a.m
al Date : 09-Apr-2008 13:33 jprescott

alibration File Names:
evel 1: \\target_server\GG\chem\gc10.i\GC10BD08A1.b\ABD1097a.d
evel 2: \\target_server\GG\chem\gc10.i\GC10BD08A1.b\ABD1096a.d
evel 3: \\target_server\GG\chem\gc10.i\GC10BD08A1.b\ABD1093a.d
evel 4: \\target_server\GG\chem\gc10.i\GC10BD08A1.b\ABD1095a.d
evel 5: \\target_server\GG\chem\gc10.i\GC10BD08A1.b\ABD1094a.d

Compound	5.0000 Level 1	20.0000 Level 2	50.0000 Level 3	100.0000 Level 4	200.0000 Level 5	Curve	Coefficients b	m1	m2	%RSD or R^2	
1 TPH Peaks C9-C36	456258	1909678	4544345	9497893	18093636	LINR	-10.26442	6496		0.99937	
3 TPH-Product	+++++	+++++	+++++	+++++	+++++	LINR	0.000e+000	0.000e+000		0.000e+000	<-
C-9	32386	131110	311889	653463	1248126	LINR	-0.68106	6270		0.99943	
C-10	31005	132023	319159	664959	1274452	LINR	-0.50816	6406		0.99951	
C-12	27211	125454	320651	673418	1279795	LINR	-0.11144	6459		0.99923	
C-14	31425	136733	317002	672581	1282836	LINR	-0.57582	6449		0.99933	
C-16	34123	135830	322487	673159	1282135	LINR	-0.85065	6440		0.99938	
C-18	33247	138080	327374	683107	1300537	LINR	-0.81208	6535		0.99936	
C-19	33132	137554	329450	685829	1302420	LINR	-0.84273	6547		0.99930	
Extractable TPH C9-C36	456258	1909678	4544354	9497893	18093636	LINR	-10.26469	6496		0.99937	
C-20	34097	140554	330004	691018	1316403	LINR	-0.81727	6612		0.99936	
C-22	34304	139004	329681	685575	1308489	LINR	-0.84405	6570		0.99943	
C-24	34078	143901	332588	683933	1304227	LINR	-1.17348	6540		0.99940	
C-26	33545	137787	327206	674908	1278460	LINR	-1.13430	6422		0.99925	
C-28	33967	141407	332501	687730	1311034	LINR	-0.98283	6581		0.99940	

Katahdin Analytical Services 2000020

eport Date : 15-Apr-2008 13:00

Katahdin Analytical Services

INITIAL CALIBRATION DATA

tart Cal Date : 08-APR-2008 14:20
nd Cal Date : 08-APR-2008 16:51
uant Method : ESTD
rigin : Included
arget Version : 4.12
ntegrator : HP Genie
ethod file : \\target_server\GG\chem\gc10.i\GC10BD08A1.b\tpha021a.m
al Date : 09-Apr-2008 13:33 jprescott

Compound	5.0000 Level 1	20.0000 Level 2	50.0000 Level 3	100.0000 Level 4	200.0000 Level 5	Curve	Coefficients b	m1	m2	%RSD or R^2
16 C-30	34330	143726	338516	702836	1348413	LINR	-0.74369	6767		0.99954
17 C-36	29401	126507	305837	665377	1256309	LINR	-0.13924	6342		0.99895
8 O-Terphenyl	15561	61620	145866	300124	574935	LINR	-0.39311	7207		0.99953

Katahdin Analytical Services 2000021

eport Date : 15-Apr-2008 13:00

Katahdin Analytical Services

INITIAL CALIBRATION DATA

tart Cal Date : 08-APR-2008 14:20
nd Cal Date : 08-APR-2008 16:51
uant Method : ESTD
rigin : Included
arget Version : 4.12
ntegrator : HP Genie
ethod file : \\target_server\GG\chem\gc10.i\GC10BD08A1.b\tpha021a.m
al Date : 09-Apr-2008 13:33 jprescott

Curve	Formula	Units
Linear	Amt = b + Rsp/m1	Response

Katahdin Analytical Services 2000022

Data File: \\target_server\GG\chem\gc10.i\GC10BD08A1.b\ABD1093a.d
Report Date: 15-Apr-2008 13:11

Katahdin Analytical Services

Data file : \\target_server\GG\chem\gc10.i\GC10BD08A1.b\ABD1093a.d
Lab Smp Id: PHC 50UG/ML
Inj Date : 08-APR-2008 14:20
Operator : JLP Inst ID: gc10.i
Smp Info : tphA021A.M,GC10BD08A1.B,1,PHC 50UG/ML
Misc Info : None
Comment :
Method : \\target_server\GG\chem\gc10.i\GC10BD08A1.B\tphA021A.m
Meth Date : 09-Apr-2008 13:33 jprescott Quant Type: ESTD
Cal Date : 08-APR-2008 14:20 Cal File: ABD1093a.d
Als bottle: 1 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: cv.sub
Subtraction File: \\target_server\GG\chem\gc10.i\GC10BD08A1.b\ABD1090.d
Target Version: 4.12
Processing Host: V200T2

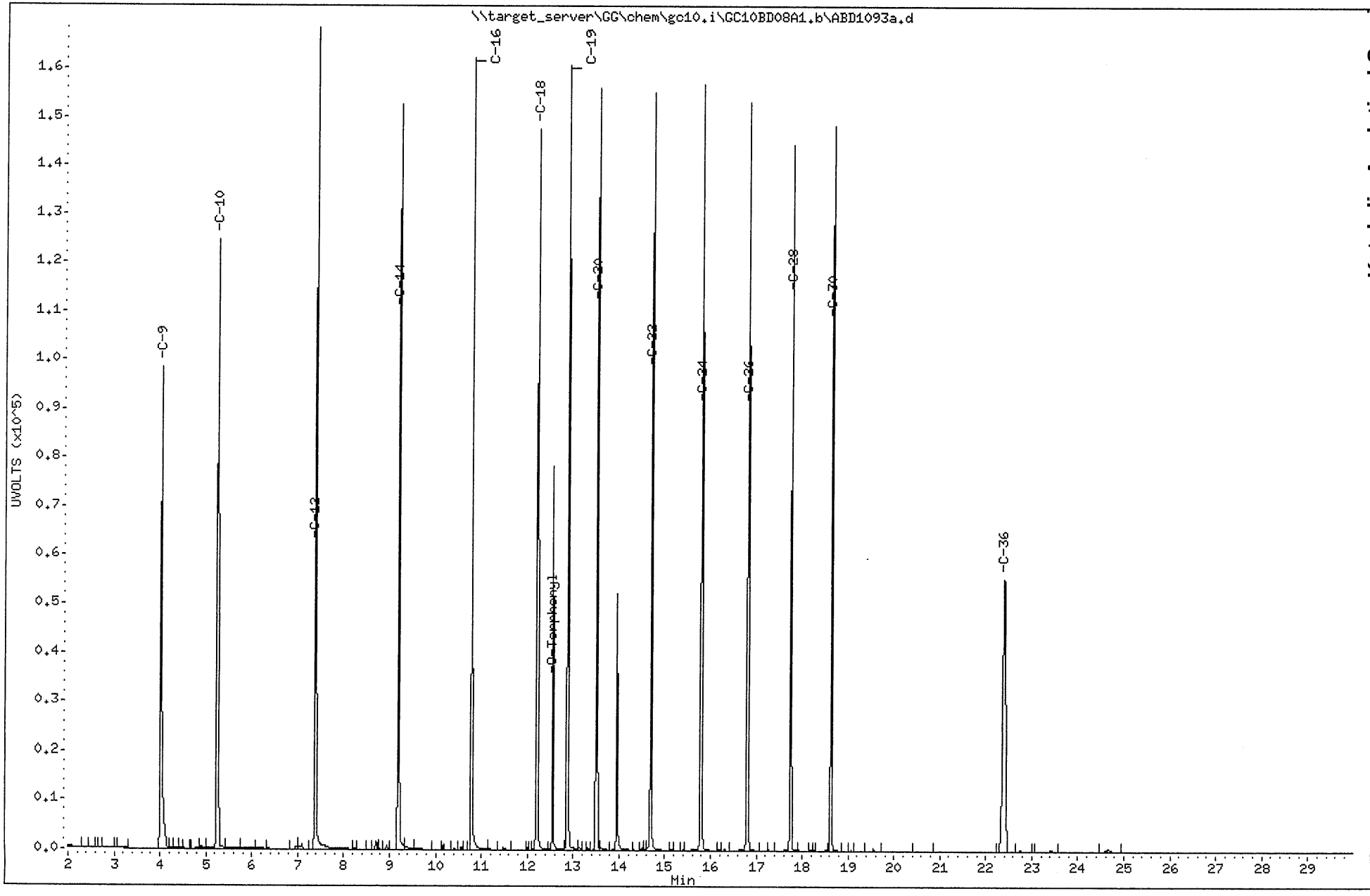
Concentration Formula: Amt * DF * (Vt/Vo)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00100	Final Volume (L)
Vo	1.000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)
M 1 TPH Peaks C9-C36				4544345	700.000	689
2 C-9	4.015	4.015	0.000	311889	50.0000	49.0
3 C-10	5.244	5.244	0.000	319159	50.0000	49.3
4 C-12	7.386	7.386	0.000	320651	50.0000	49.5
5 C-14	9.196	9.196	0.000	317002	50.0000	48.6
6 C-16	10.786	10.786	0.000	322487	50.0000	49.2
7 C-18	12.216	12.216	0.000	327374	50.0000	49.3
$ 8 O-Terphenyl	12.559	12.559	0.000	145866	20.0000	19.8
9 C-19	12.880	12.880	0.000	329450	50.0000	49.5
11 C-20	13.516	13.516	0.000	330004	50.0000	49.1
12 C-22	14.704	14.704	0.000	329681	50.0000	49.3
13 C-24	15.798	15.798	0.000	332588	50.0000	49.7
14 C-26	16.811	16.811	0.000	327206	50.0000	49.8
15 C-28	17.756	17.756	0.000	332501	50.0000	49.5
16 C-30	18.637	18.637	0.000	338516	50.0000	49.3
17 C-36	22.392	22.392	0.000	305837	50.0000	48.1

Data File: \\target_server\GC\chem\gc10.i\GC10BD08A1.b\ABD1093a.d
Date : 08-APR-2008 14:20
Client ID:
Sample Info: tphA021A.M,GC10BD08A1.B,1,PHC 50UG/ML
Purge Volume: 1.0
Column phase: ZB-1

Instrument: gc10.i
Operator: JLP
Column diameter: 0.53



Katahdin Analytical Services 2000024

Data File: \\target_server\GG\chem\gc10.i\GC10BD08A1.b\ABD1094a.d
Report Date: 15-Apr-2008 13:11

Katahdin Analytical Services

Data file : \\target_server\GG\chem\gc10.i\GC10BD08A1.b\ABD1094a.d
Lab Smp Id: PHC 200UG/ML
Inj Date : 08-APR-2008 14:58
Operator : JLP Inst ID: gc10.i
Smp Info : tphA021A.M,GC10BD08A1.B,1,PHC 200UG/ML
Misc Info : None
Comment :
Method : \\target_server\GG\chem\gc10.i\GC10BD08A1.B\tphA021A.m
Meth Date : 09-Apr-2008 13:33 jprescott Quant Type: ESTD
Cal Date : 08-APR-2008 14:58 Cal File: ABD1094a.d
Als bottle: 1 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: cv.sub
Subtraction File: \\target_server\GG\chem\gc10.i\GC10BD08A1.b\ABD1090.d
Target Version: 4.12
Processing Host: V200T2

Concentration Formula: Amt * DF * (Vt/Vo)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00100	Final Volume (L)
Vo	1.000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)
M 1 TPH Peaks C9-C36				18093636	2800.00	2730
2 C-9	4.024	4.015	0.009	1248126	200.000	193
3 C-10	5.255	5.244	0.011	1274452	200.000	195
4 C-12	7.400	7.386	0.014	1279795	200.000	195
5 C-14	9.210	9.196	0.014	1282836	200.000	195
6 C-16	10.800	10.786	0.014	1282135	200.000	196
7 C-18	12.236	12.216	0.020	1300537	200.000	195
$ 8 O-Terphenyl	12.571	12.559	0.012	574935	80.0000	78.5
9 C-19	12.897	12.880	0.017	1302420	200.000	195
11 C-20	13.531	13.516	0.015	1316403	200.000	195
12 C-22	14.720	14.704	0.016	1308489	200.000	193 (M)
13 C-24	15.826	15.798	0.028	1304227	200.000	195 (M)
14 C-26	16.840	16.811	0.029	1278460	200.000	193 (M)
15 C-28	17.773	17.756	0.017	1311034	200.000	193 (M)
16 C-30	18.666	18.637	0.029	1348413	200.000	194 (M)
17 C-36	22.462	22.392	0.070	1256309	200.000	200 (A)

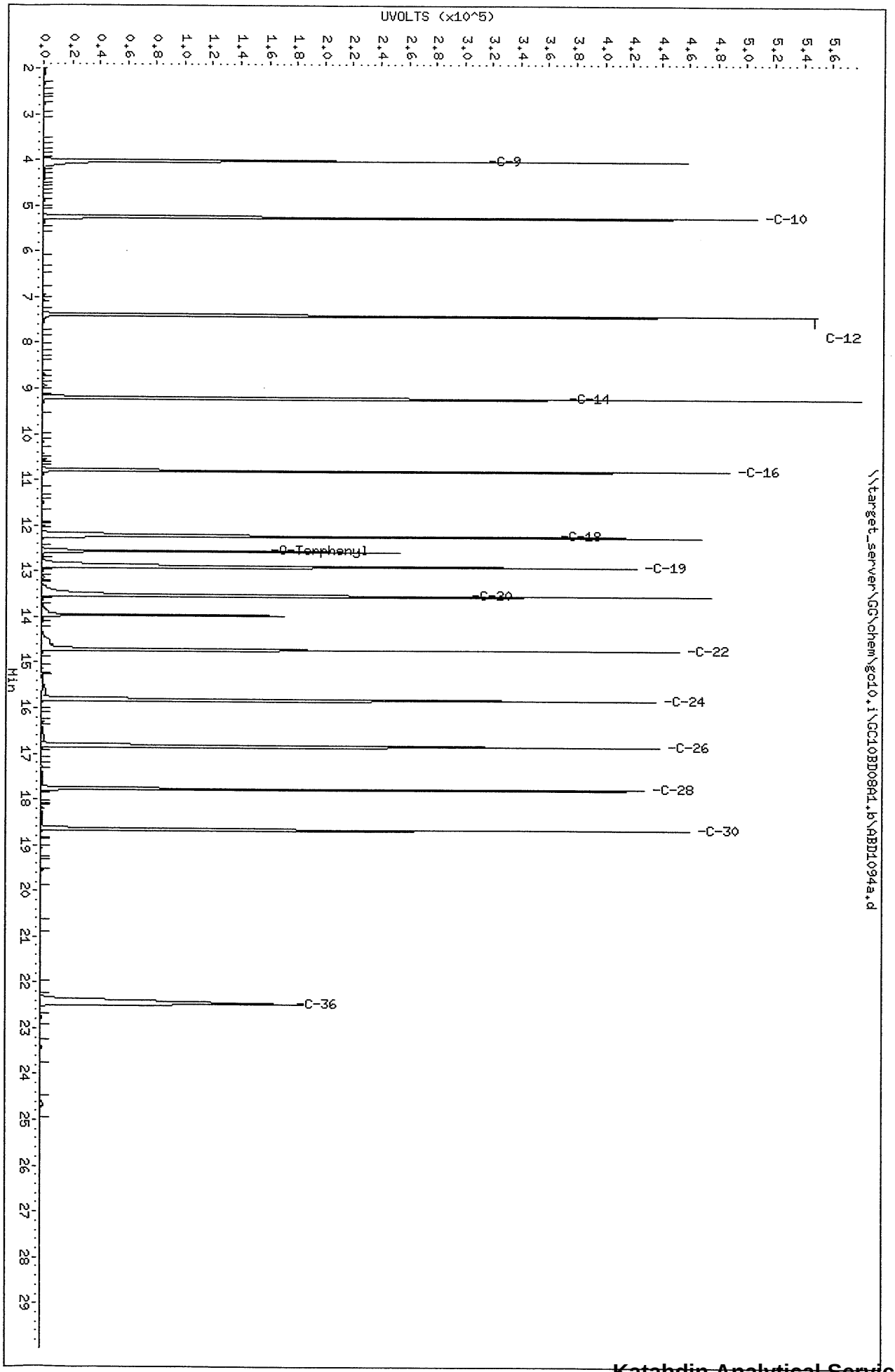
M7 JLP 040908

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.

Data File: \\target_server\GC\chem\gc10.i\GC10BD08A1.b\ABD1094a.d
Date : 08-APR-2008 14:58
Client ID:
Sample Info: tphA021A,M,GC10BD08A1,B,1,PHC 200UG/ML
Purge Volume: 1.0
Column phase: ZB-1

Instrument: gc10.i
Operator: JLP
Column diameter: 0.53



Data File: \\target_server\GG\chem\gc10.i\GC10BD08A1.b\ABD1095a.d
Report Date: 15-Apr-2008 13:11

Katahdin Analytical Services

Data file : \\target_server\GG\chem\gc10.i\GC10BD08A1.b\ABD1095a.d
Lab Smp Id: PHC 100UG/ML
Inj Date : 08-APR-2008 15:35
Operator : JLP Inst ID: gc10.i
Smp Info : tphA021A.M,GC10BD08A1.B,1,PHC 100UG/ML
Misc Info : None
Comment :
Method : \\target_server\GG\chem\gc10.i\GC10BD08A1.B\tphA021A.m
Meth Date : 09-Apr-2008 13:33 jprescott Quant Type: ESTD
Cal Date : 08-APR-2008 15:35 Cal File: ABD1095a.d
Als bottle: 1 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: cv.sub
Subtraction File: \\target_server\GG\chem\gc10.i\GC10BD08A1.b\ABD1090.d
Target Version: 4.12
Processing Host: V200T2

Concentration Formula: Amt * DF * (Vt/Vo)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00100	Final Volume (L)
Vo	1.000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)
M 1 TPH Peaks C9-C36				9497893	1400.00	1470
2 C-9	4.017	4.015	0.002	653463	100.000	103
3 C-10	5.250	5.244	0.006	664959	100.000	105
4 C-12	7.392	7.386	0.006	673418	100.000	104
5 C-14	9.200	9.196	0.004	672581	100.000	106
6 C-16	10.794	10.786	0.008	673159	100.000	105
7 C-18	12.224	12.216	0.008	683107	100.000	104
$ 8 O-Terphenyl	12.562	12.559	0.003	300124	40.0000	41.7
9 C-19	12.889	12.880	0.009	685829	100.000	106
11 C-20	13.522	13.516	0.006	691018	100.000	106
12 C-22	14.706	14.704	0.002	685575	100.000	103 (M)
13 C-24	15.813	15.798	0.015	683933	100.000	106 (M)
14 C-26	16.826	16.811	0.015	674908	100.000	104 (M)
15 C-28	17.760	17.756	0.004	687730	100.000	103 (M)
16 C-30	18.647	18.637	0.010	702836	100.000	105
17 C-36	22.421	22.392	0.029	665377	100.000	105

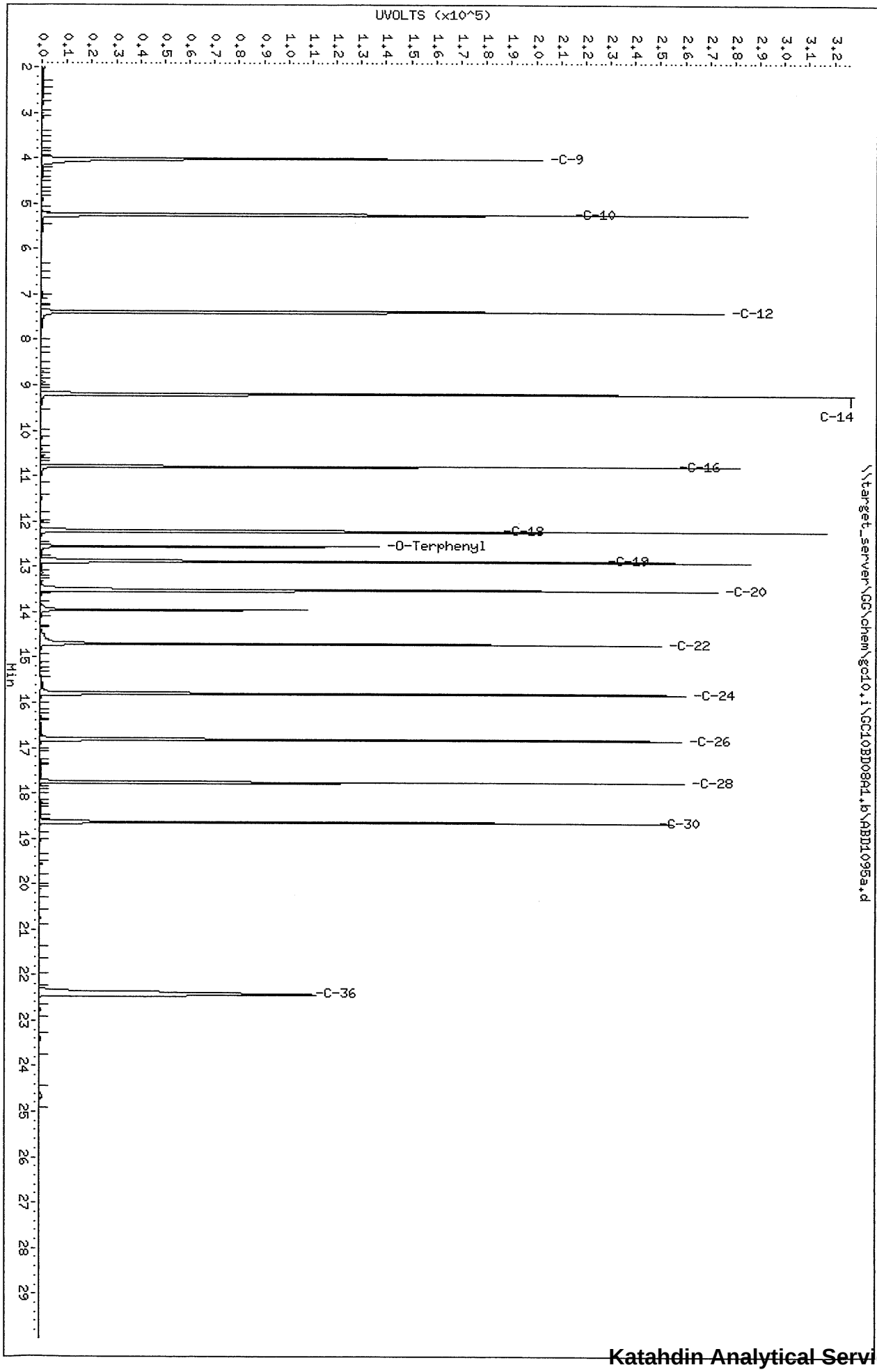
M7 JLP 040908

QC Flag Legend

M - Compound response manually integrated.

Data File: \\target_server\GC\chem\gc10.i\GC10BD08A1.b\ABD1095a.d
Date : 08-APR-2008 15:35
Client ID:
Sample Info: tphA021A.M,GC10BD08A1.B.1,PHC 100UG/ML
Purge Volume: 1.0
Column phase: ZB-1

Instrument: gc10.i
Operator: JLP
Column diameter: 0.53



Data File: \\target_server\GG\chem\gc10.i\GC10BD08A1.b\ABD1096a.d
Report Date: 15-Apr-2008 13:11

Katahdin Analytical Services

Data file : \\target_server\GG\chem\gc10.i\GC10BD08A1.b\ABD1096a.d
Lab Smp Id: PHC 20UG/ML
Inj Date : 08-APR-2008 16:13
Operator : JLP Inst ID: gc10.i
Smp Info : tphA021A.M,GC10BD08A1.B,1,PHC 20UG/ML
Misc Info : None
Comment :
Method : \\target_server\GG\chem\gc10.i\GC10BD08A1.B\tphA021A.m
Meth Date : 09-Apr-2008 13:33 jprescott Quant Type: ESTD
Cal Date : 08-APR-2008 16:13 Cal File: ABD1096a.d
Als bottle: 1 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: cv.sub
Subtraction File: \\target_server\GG\chem\gc10.i\GC10BD08A1.b\ABD1090.d
Target Version: 4.12
Processing Host: V200T2

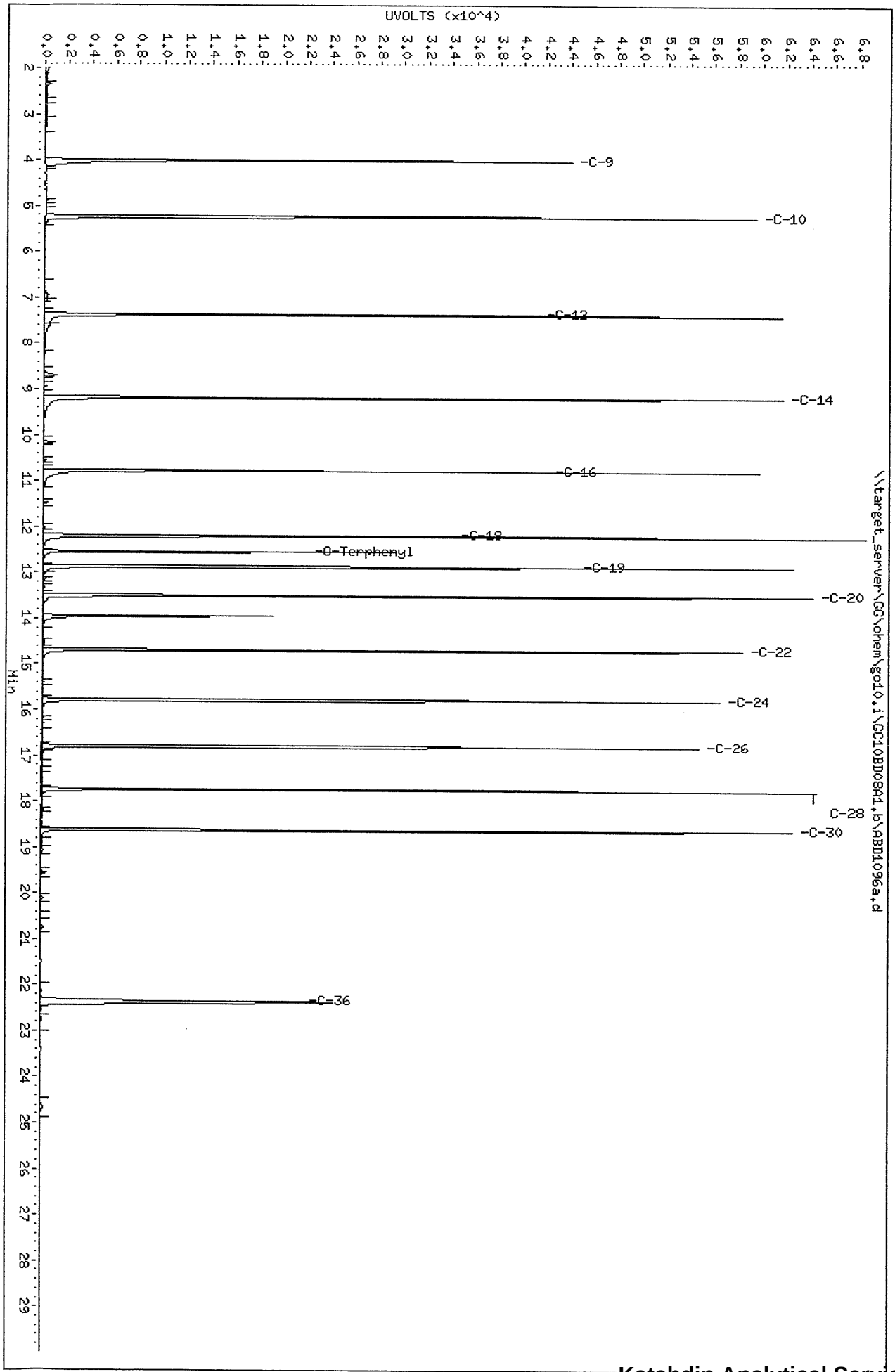
Concentration Formula: Amt * DF * (Vt/Vo)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00100	Final Volume (L)
Vo	1.000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)
M 1 TPH Peaks C9-C36				1909670	280.000	292
2 C-9	4.013	4.015	-0.002	131110	20.0000	20.0
3 C-10	5.240	5.244	-0.004	132023	20.0000	21.3
4 C-12	7.383	7.386	-0.003	125454	20.0000	20.3
5 C-14	9.189	9.196	-0.007	136733	20.0000	21.8
6 C-16	10.783	10.786	-0.003	135830	20.0000	20.3
7 C-18	12.212	12.216	-0.004	138080	20.0000	21.6
$ 8 O-Terphenyl	12.556	12.559	-0.003	61620	8.00000	7.52
9 C-19	12.877	12.880	-0.003	137554	20.0000	21.4
11 C-20	13.509	13.516	-0.007	140554	20.0000	21.7
12 C-22	14.697	14.704	-0.007	139004	20.0000	20.3
13 C-24	15.792	15.798	-0.006	143901	20.0000	22.1
14 C-26	16.806	16.811	-0.005	137787	20.0000	20.5
15 C-28	17.748	17.756	-0.008	141407	20.0000	20.2
16 C-30	18.629	18.637	-0.008	143726	20.0000	20.3
17 C-36	22.372	22.392	-0.020	126507	20.0000	19.6

Data File: \\target_server\GC\chem\gc10.i\GC10BD08A1.b\ABD1096a.d
Date : 08-APR-2008 16:13
Client ID:
Sample Info: tphA021A.M,GC10BD08A1.B.1.PHC 20UG/ML
Purge Volume: 1.0
Column phase: ZB-1

Instrument: gc10.i
Operator: JLP
Column diameter: 0.53



Data File: \\target_server\GG\chem\gc10.i\GC10BD08A1.b\ABD1097a.d
Report Date: 15-Apr-2008 13:11

Katahdin Analytical Services

Data file : \\target_server\GG\chem\gc10.i\GC10BD08A1.b\ABD1097a.d
Lab Smp Id: PHC 5UG/ML
Inj Date : 08-APR-2008 16:51
Operator : JLP Inst ID: gc10.i
Smp Info : tphA021A.M,GC10BD08A1.B,1,PHC 5UG/ML
Misc Info : None
Comment :
Method : \\target_server\GG\chem\gc10.i\GC10BD08A1.B\tphA021A.m
Meth Date : 09-Apr-2008 13:33 jprescott Quant Type: ESTD
Cal Date : 08-APR-2008 16:51 Cal File: ABD1097a.d
Als bottle: 1 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: cv.sub
Subtraction File: \\target_server\GG\chem\gc10.i\GC10BD08A1.b\ABD1090.d
Target Version: 4.12
Processing Host: V200T2

Concentration Formula: Amt * DF * (Vt/Vo)*1000 * CpndVariable

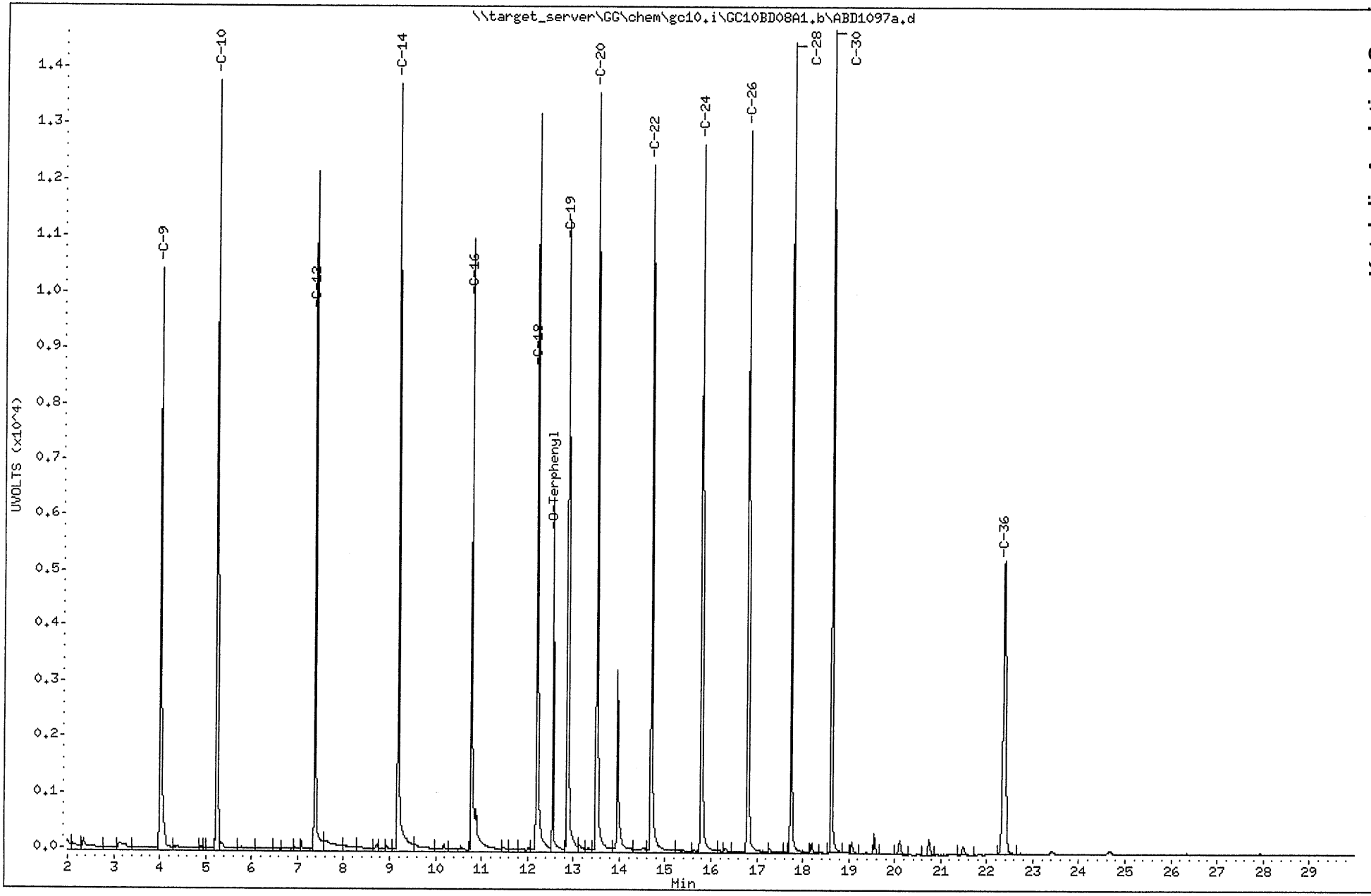
Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00100	Final Volume (L)
Vo	1.000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)
M 1 TPH Peaks C9-C36				456251	70.0000	60.0
2 C-9	4.014	4.015	-0.001	32386	5.00000	4.48
3 C-10	5.241	5.244	-0.003	31005	5.00000	4.33
4 C-12	7.382	7.386	-0.004	27211	5.00000	4.10
5 C-14	9.188	9.196	-0.008	31425	5.00000	4.30
6 C-16	10.781	10.786	-0.005	34123	5.00000	4.45
7 C-18	12.211	12.216	-0.005	33247	5.00000	4.28
$ 8 O-Terphenyl	12.554	12.559	-0.005	15561	2.00000	1.76
9 C-19	12.874	12.880	-0.006	33132	5.00000	4.22
11 C-20	13.508	13.516	-0.008	34097	5.00000	4.34
12 C-22	14.696	14.704	-0.008	34304	5.00000	4.38
13 C-24	15.790	15.798	-0.008	34078	5.00000	4.04
14 C-26	16.803	16.811	-0.008	33545	5.00000	4.09
15 C-28	17.746	17.756	-0.010	33967	5.00000	4.18
16 C-30	18.627	18.637	-0.010	34330	5.00000	4.33
17 C-36	22.367	22.392	-0.025	29401	5.00000	4.50

Data File: \\target_server\GG\chem\gc10.i\GC10BD08A1.b\ABD1097a.d
Date : 08-APR-2008 16:51
Client ID:
Sample Info: tphA021A.M,GC10BD08A1.B,1,PHC 5UG/ML
Purge Volume: 1.0
Column phase: ZB-1

Instrument: gc10.i

Operator: JLP
Column diameter: 0.53



Katahdin Analytical Services 2000032

FORM 7B
SEMIVOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 426 NLON SDG No.: CTO426-4

Instrument ID: GC10 Calibration Date: 04/08/08 Time: 1729

Lab File ID: ABD1098A Init. Calib. Date(s): 04/08/08 04/08/08

Init. Calib. Times: 1420 1651

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-10	47.982000	50.000000	6212.0000	0.01	-4.04	20.00	LINR
C-12	49.926000	50.000000	6464.1000	0.01	-0.15	20.00	LINR
C-14	48.222000	50.000000	6293.8000	0.01	-3.56	20.00	LINR
C-16	49.240000	50.000000	6451.3000	0.01	-1.52	20.00	LINR
C-18	49.344000	50.000000	6555.0000	0.01	-1.31	20.00	LINR
C-20	47.780000	50.000000	6427.0000	0.01	-4.44	20.00	LINR
C-22	49.249000	50.000000	6582.3000	0.01	-1.50	20.00	LINR
C-24	49.240000	50.000000	6594.6000	0.01	-1.52	20.00	LINR
C-26	50.386000	50.000000	6617.2000	0.01	0.77	20.00	LINR
C-28	44.499000	50.000000	5986.2000	0.01	-11.00	20.00	LINR

FORM VII DRO

Data File: \\target_server\GG\chem\gc10.i\GC10BD08A1.b\ABD1098a.d
Report Date: 15-Apr-2008 13:11

Katahdin Analytical Services

Data file : \\target_server\GG\chem\gc10.i\GC10BD08A1.b\ABD1098a.d
Lab Smp Id: PHC IND
Inj Date : 08-APR-2008 17:29
Operator : JLP Inst ID: gc10.i
Smp Info : tphA021A.M,GC10BD08A1.B,1,PHC IND
Misc Info : IND
Comment :
Method : \\TARGET_SERVER\GG\chem\gc10.i\GC10BD08A1.B\tphA021A.m
Meth Date : 09-Apr-2008 13:33 jprescott Quant Type: ESTD
Cal Date : 08-APR-2008 16:51 Cal File: ABD1097a.d
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: INDSOURCE.sub
Subtraction File: \\target_server\GG\chem\gc10.i\GC10BD08A1.b\ABD1090.d
Target Version: 4.12
Processing Host: V200T2

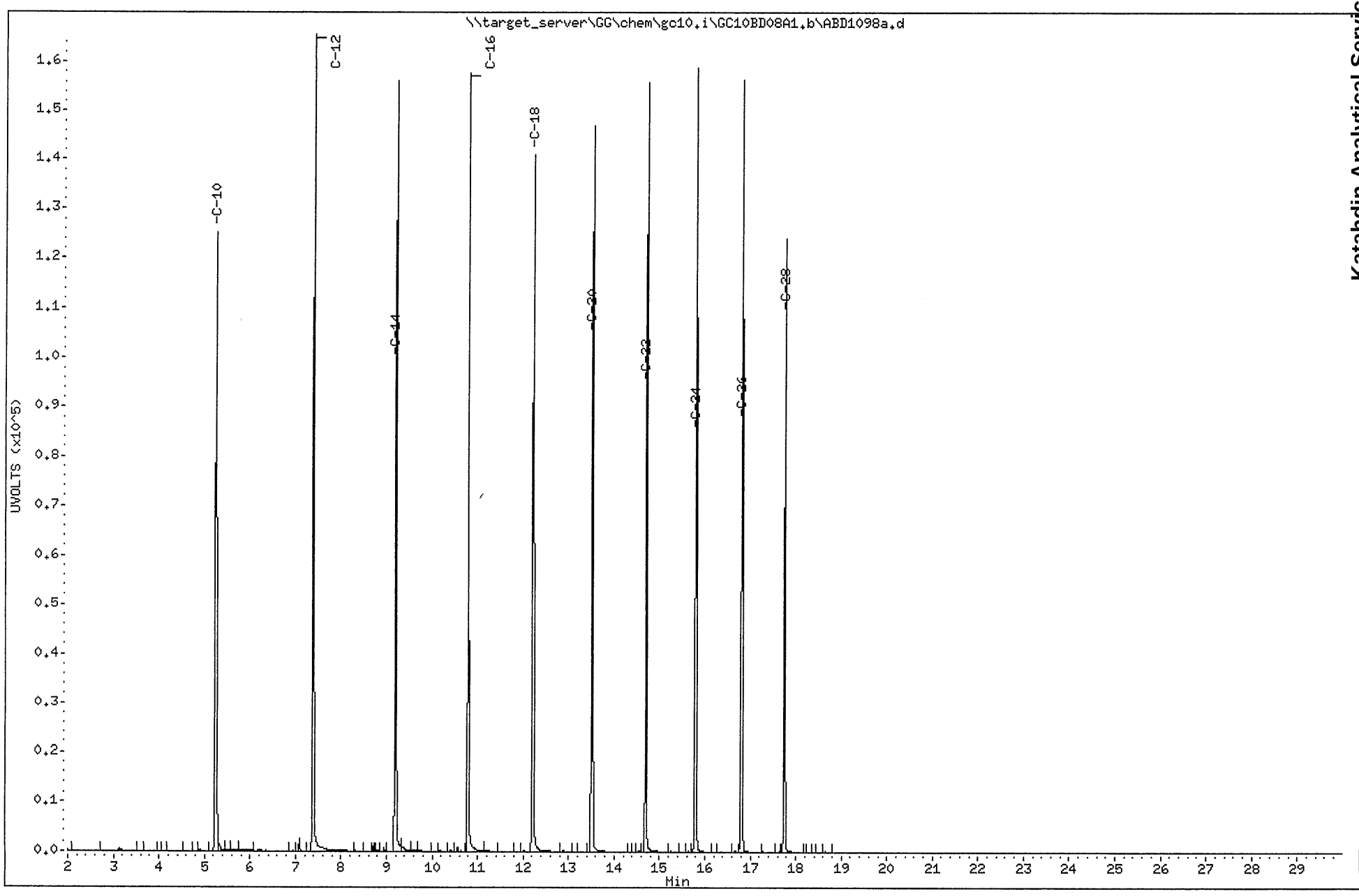
Concentration Formula: Amt * DF * (Vt/Vo)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00100	Final Volume (L)
Vo	1.000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)
3 C-10	5.244	5.244	0.000	310602	50.0000	48.0
4 C-12	7.386	7.386	0.000	323206	50.0000	49.9
5 C-14	9.197	9.196	0.001	314690	50.0000	48.2
6 C-16	10.787	10.786	0.001	322566	50.0000	49.2
7 C-18	12.217	12.216	0.001	327752	50.0000	49.3
11 C-20	13.516	13.516	0.000	321348	50.0000	47.8
12 C-22	14.704	14.704	0.000	329117	50.0000	49.2
13 C-24	15.798	15.798	0.000	329730	50.0000	49.2
14 C-26	16.812	16.811	0.001	330858	50.0000	50.4
15 C-28	17.755	17.756	-0.001	299311	50.0000	44.5

Data File: \\target_server\GC\chem\gc10.i\GC10BD08A1.b\ABD1098a.d
Date : 08-APR-2008 17:29
Client ID:
Sample Info: tphA021A.M,GC10BD08A1.B,1,PHC IND
Purge Volume: 1.0
Column phase: ZB-1

Instrument: gc10.i
Operator: JLP
Column diameter: 0.53



Katahdin Analytical Services 2000035

FORM 7B
SEMIVOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 426 NLON SDG No.: CTO426-4

Instrument ID: GC10 Calibration Date: 06/20/08 Time: 1353

Lab File ID: ABF3039 Init. Calib. Date(s): 04/08/08 04/08/08

Init. Calib. Times: 1420 1651

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
TPH Peaks C9-C36	720.13000	700.00000	6776.7000	0.01	2.88	20.00	LINR
C-9	53.013000	50.000000	6733.5000	0.01	6.03	20.00	LINR
C-10	55.472000	50.000000	7171.6000	0.01	10.94	20.00	LINR
C-12	52.295000	50.000000	6770.1000	0.01	4.59	20.00	LINR
C-14	52.470000	50.000000	6841.6000	0.01	4.94	20.00	LINR
C-16	51.975000	50.000000	6803.6000	0.01	3.95	20.00	LINR
C-18	50.856000	50.000000	6752.6000	0.01	1.71	20.00	LINR
C-19	51.129000	50.000000	6805.6000	0.01	2.26	20.00	LINR
C-20	51.690000	50.000000	6943.9000	0.01	3.38	20.00	LINR
C-22	51.801000	50.000000	6917.7000	0.01	3.60	20.00	LINR
C-24	51.266000	50.000000	6859.6000	0.01	2.53	20.00	LINR
C-26	51.764000	50.000000	6794.1000	0.01	3.53	20.00	LINR
C-28	51.150000	50.000000	6861.7000	0.01	2.30	20.00	LINR
C-30	49.369000	50.000000	6782.3000	0.01	-1.26	20.00	LINR
C-36	45.878000	50.000000	5836.5000	0.01	-8.24	20.00	LINR
O-Terphenyl	21.147000	20.000000	7762.4000	0.01	5.74	20.00	LINR

FORM VII DRO

Data File: \\Target_server\GG\chem\gc10.i\GC10BF19A1.b\ABF3039.d
Report Date: 30-Jun-2008 08:59

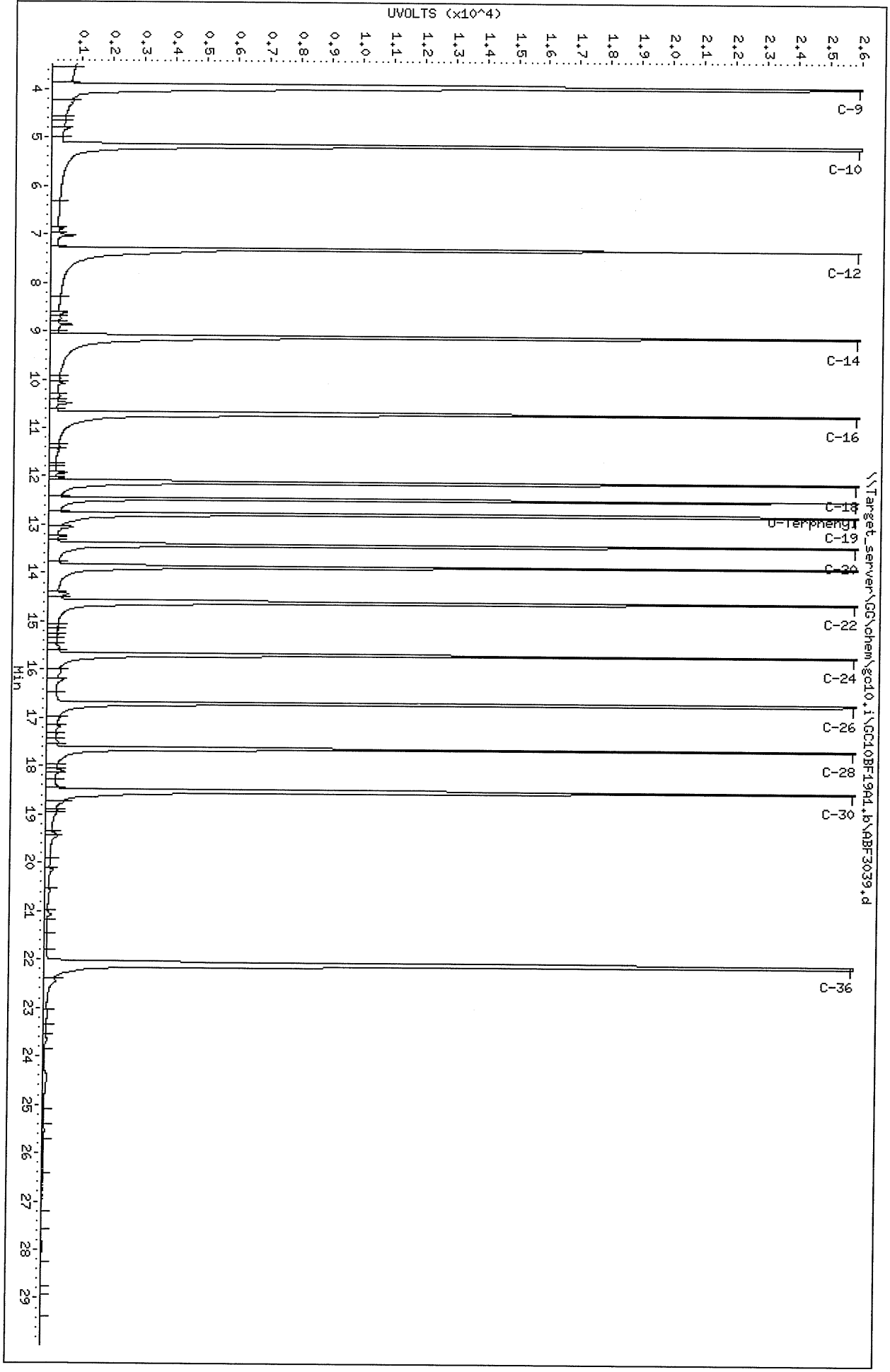
Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gc10.i\GC10BF19A1.b\ABF3039.d
Lab Smp Id: PHC 50UG/ML
Inj Date : 20-JUN-2008 13:53
Operator : KGT Inst ID: gc10.i
Smp Info : TPHA021B.M,GC10BF19A1.B,1,PHC 50UG/ML
Misc Info : PHC50
Comment :
Method : \\TARGET_SERVER\GG\chem\gc10.i\GC10BF19A1.B\TPHA021B.m
Meth Date : 27-Jun-2008 16:41 ktanguay Quant Type: ESTD
Cal Date : 08-APR-2008 16:51 Cal File: ABD1097a.d
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: cv.sub
Subtraction File: \\Target_server\GG\chem\gc10.i\GC10BF19A1.b\ABF3037A.d
Target Version: 4.12
Processing Host: TARGET02

Concentration Formula: Amt * DF * (Vt/Vo)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00100	Final Volume (L)
Vo	1.000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)	REVIEW CODE
M 1 TPH Peaks C9-C36				4743719	700.000	720	
2 C-9	3.936	4.015	-0.079	336674	50.0000	53.0	
3 C-10	5.162	5.244	-0.082	358581	50.0000	55.5	
4 C-12	7.303	7.386	-0.083	338505	50.0000	52.3	
5 C-14	9.106	9.196	-0.090	342082	50.0000	52.5	
6 C-16	10.693	10.732	-0.039	340180	50.0000	52.0	
7 C-18	12.120	12.216	-0.096	337632	50.0000	50.8	
$ 8 O-Terphenyl	12.465	12.559	-0.094	155248	20.0000	21.1	
9 C-19	12.783	12.880	-0.097	340280	50.0000	51.1	
11 C-20	13.414	13.516	-0.102	347196	50.0000	51.7	
12 C-22	14.599	14.704	-0.105	345885	50.0000	51.8	
13 C-24	15.690	15.798	-0.108	342978	50.0000	51.3	
14 C-26	16.700	16.811	-0.111	339703	50.0000	51.8	
15 C-28	17.639	17.756	-0.117	343083	50.0000	51.2	
16 C-30	18.517	18.637	-0.120	339115	50.0000	49.4	
17 C-36	22.104	22.234	-0.130	291825	50.0000	45.9	


Data File: \\Target_server\GC\chem\gc10.i\GC10BF19A1.b\ABF3039.d
Date : 20-JUN-2008 13:53
Client ID:
Sample Info: TPHA021B.M,GC10BF19A1.B.1,PHC 50UG/ML
Purge Volume: 1.0
Column phase: ZB-1
Instrument: gc10.i
Operator: KGT
Column diameter: 0.53
UVOLTS (x10^4)
C-9
C-10
C-12
C-14
C-16
C-18
C-19
C-20
C-22
C-24
C-26
C-28
C-30
C-36
o-Terphenyl
\\Target_server\GC\chem\gc10.i\GC10BF19A1.b\ABF3039.d
Min

FORM 7B
SEMIVOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 426 NLON SDG No.: CTO426-4

Instrument ID: GC10 Calibration Date: 06/20/08 Time: 2330

Lab File ID: ABF3052 Init. Calib. Date(s): 04/08/08 04/08/08

Init. Calib. Times: 1420 1651

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
TPH Peaks C9-C36	256.94000	280.00000	6196.1000	0.01	-8.24	20.00	LINR
C-9	19.598000	20.000000	6357.6000	0.01	-2.01	20.00	LINR
C-10	21.310000	20.000000	6987.8000	0.01	6.55	20.00	LINR
C-12	19.407000	20.000000	6303.8000	0.01	-2.96	20.00	LINR
C-14	18.740000	20.000000	6228.4000	0.01	-6.30	20.00	LINR
C-16	18.261000	20.000000	6153.6000	0.01	-8.70	20.00	LINR
C-18	17.787000	20.000000	6076.8000	0.01	-11.06	20.00	LINR
C-19	17.925000	20.000000	6144.0000	0.01	-10.38	20.00	LINR
C-20	18.923000	20.000000	6526.5000	0.01	-5.38	20.00	LINR
C-22	18.126000	20.000000	6231.6000	0.01	-9.37	20.00	LINR
C-24	17.646000	20.000000	6154.5000	0.01	-11.77	20.00	LINR
C-26	17.786000	20.000000	6075.2000	0.01	-11.07	20.00	LINR
C-28	17.591000	20.000000	6111.6000	0.01	-12.04	20.00	LINR
C-30	17.224000	20.000000	6079.5000	0.01	-13.88	20.00	LINR
C-36	16.620000	20.000000	5314.0000	0.01	-16.90	20.00	LINR
O-Terphenyl	7.5016000	8.0000000	7112.5000	0.01	-6.23	20.00	LINR

FORM VII DRO

Data File: \\Target_server\GG\chem\gc10.i\GC10BF19A1.b\ABF3052.d
Report Date: 30-Jun-2008 08:59

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gc10.i\GC10BF19A1.b\ABF3052.d
Lab Smp Id: PHC 20UG/ML
Inj Date : 20-JUN-2008 23:30
Operator : KGT Inst ID: gc10.i
Smp Info : TPHA021B.M,GC10BF19A1.B,1,PHC 20UG/ML
Misc Info : PHC20
Comment :
Method : \\TARGET_SERVER\GG\chem\gc10.i\GC10BF19A1.B\TPHA021B.m
Meth Date : 27-Jun-2008 16:41 ktanguay Quant Type: ESTD
Cal Date : 08-APR-2008 16:51 Cal File: ABD1097a.d
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: cv.sub
Subtraction File: \\Target_server\GG\chem\gc10.i\GC10BF19A1.b\ABF3037A.d
Target Version: 4.12
Processing Host: TARGET02

Concentration Formula: Amt * DF * (Vt/Vo)*1000 * CpndVariable

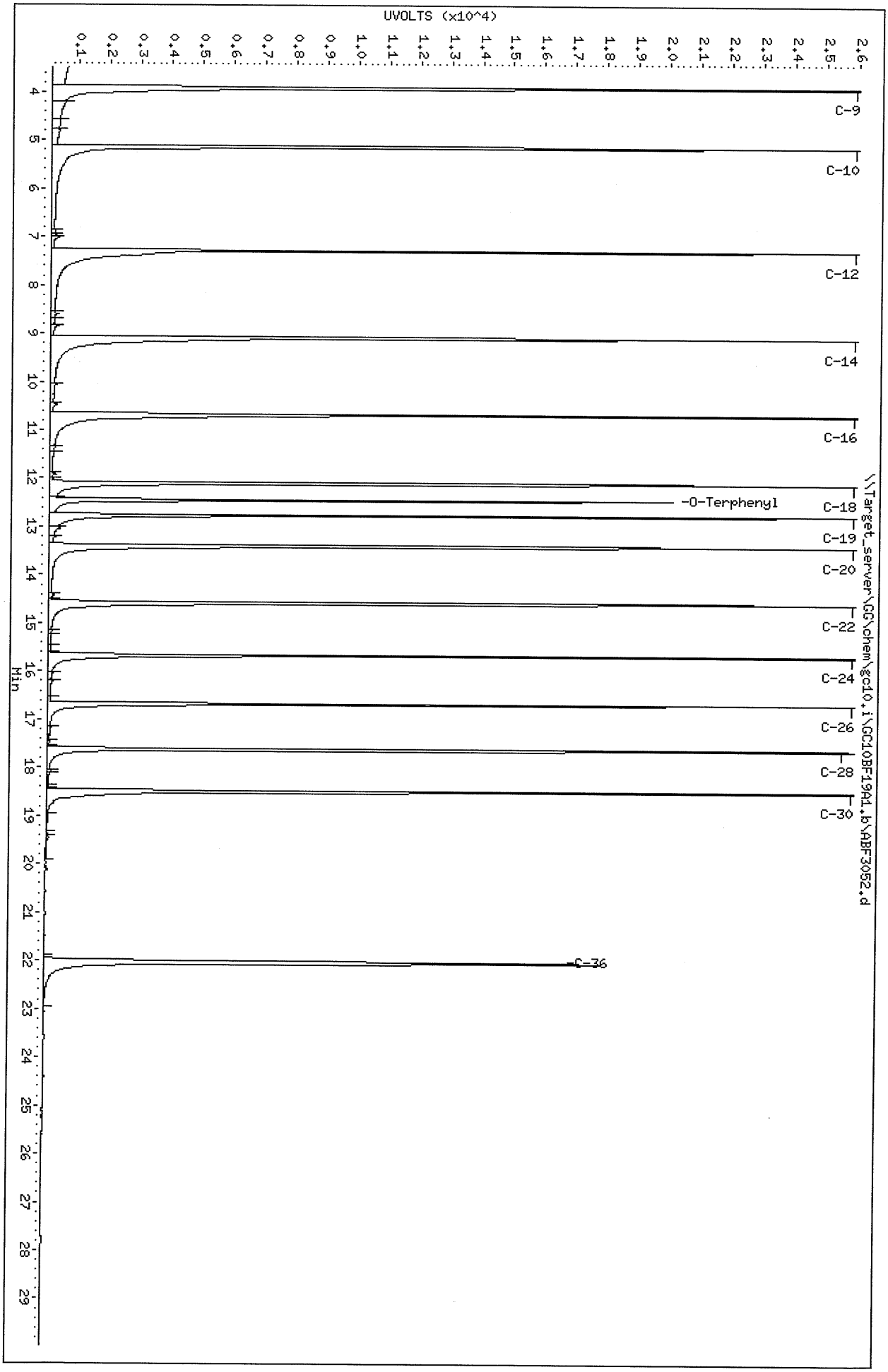
Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00100	Final Volume (L)
Vo	1.000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)	REVIEW CODE
M 1 TPH Peaks C9-C36				1734900	700.000	257	
2 C-9	3.916	4.015	-0.099	127153	50.0000	19.6(M)	
3 C-10	5.143	5.244	-0.101	139755	50.0000	21.3	
4 C-12	7.281	7.386	-0.105	126076	50.0000	19.4	
5 C-14	9.086	9.196	-0.110	124567	50.0000	18.7	
6 C-16	10.671	10.732	-0.061	123073	50.0000	18.3	
7 C-18	12.095	12.216	-0.121	121537	50.0000	17.8	
$ 8 O-Terphenyl	12.442	12.559	-0.117	56900	20.0000	7.50	
9 C-19	12.758	12.880	-0.122	122879	50.0000	17.9	
11 C-20	13.389	13.516	-0.127	130530	50.0000	18.9	
12 C-22	14.574	14.704	-0.130	124633	50.0000	18.1	
13 C-24	15.665	15.798	-0.133	123090	50.0000	17.6	
14 C-26	16.672	16.811	-0.139	121504	50.0000	17.8	
15 C-28	17.613	17.756	-0.143	122233	50.0000	17.6	
16 C-30	18.490	18.637	-0.147	121590	50.0000	17.2	
17 C-36	22.037	22.234	-0.197	106280	50.0000	16.6	

M6 KGS 063008

QC Flag Legend

M - Compound response manually integrated.


Data File: \\Target_server\GC\chem\gc10.i\GC10BF19A1.b\ABF3052.d
Date : 20-JUN-2008 23:30
Client ID:
Sample Info: TPHA021B,M,GC10BF19A1,B,1,PHC 20UG/ML
Purge Volume: 1.0
Column phase: ZB-1
Instrument: gc10.i
Operator: KGT
Column diameter: 0.53
UVOLTS (x10^4)
Min
C-9
C-10
C-12
C-14
C-16
C-18
-O-Terphenyl
C-19
C-20
C-22
C-24
C-26
C-28
C-30
C-36
\\Target_server\GC\chem\gc10.i\GC10BF19A1.b\ABF3052.d

FORM 7B
SEMIVOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 426 NLON SDG No.: CTO426-4

Instrument ID: GC10 Calibration Date: 06/21/08 Time: 0836

Lab File ID: ABF3066 Init. Calib. Date(s): 04/08/08 04/08/08

Init. Calib. Times: 1420 1651

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
TPH Peaks C9-C36	655.73000	700.00000	6178.4000	0.01	-6.32	20.00	LINR
C-9	49.091000	50.000000	6241.7000	0.01	-1.82	20.00	LINR
C-10	50.882000	50.000000	6583.6000	0.01	1.76	20.00	LINR
C-12	49.026000	50.000000	6347.8000	0.01	-1.95	20.00	LINR
C-14	47.977000	50.000000	6262.1000	0.01	-4.05	20.00	LINR
C-16	47.301000	50.000000	6201.6000	0.01	-5.40	20.00	LINR
C-18	46.178000	50.000000	6141.3000	0.01	-7.64	20.00	LINR
C-19	46.370000	50.000000	6182.5000	0.01	-7.26	20.00	LINR
C-20	46.534000	50.000000	6262.2000	0.01	-6.93	20.00	LINR
C-22	46.434000	50.000000	6212.4000	0.01	-7.13	20.00	LINR
C-24	46.115000	50.000000	6185.7000	0.01	-7.77	20.00	LINR
C-26	46.288000	50.000000	6090.8000	0.01	-7.42	20.00	LINR
C-28	45.736000	50.000000	6149.1000	0.01	-8.53	20.00	LINR
C-30	45.074000	50.000000	6200.9000	0.01	-9.85	20.00	LINR
C-36	42.725000	50.000000	5436.6000	0.01	-14.55	20.00	LINR
O-Terphenyl	18.976000	20.000000	6980.0000	0.01	-5.12	20.00	LINR

FORM VII DRO

Data File: \\Target_server\GG\chem\gc10.i\GC10BF19A1.b\ABF3066.d
Report Date: 30-Jun-2008 08:59

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gc10.i\GC10BF19A1.b\ABF3066.d
Lab Smp Id: PHC 50UG/ML
Inj Date : 21-JUN-2008 08:36
Operator : KGT Inst ID: gc10.i
Smp Info : TPHA021B.M,GC10BF19A1.B,1,PHC 50UG/ML
Misc Info : T
Comment :
Method : \\TARGET_SERVER\GG\chem\gc10.i\GC10BF19A1.B\TPHA021B.m
Meth Date : 27-Jun-2008 16:41 ktanguay Quant Type: ESTD
Cal Date : 08-APR-2008 16:51 Cal File: ABD1097a.d
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: cv.sub
Subtraction File: \\Target_server\GG\chem\gc10.i\GC10BF19A1.b\ABF3065.d
Target Version: 4.12
Processing Host: TARGET02

Concentration Formula: Amt * DF * (Vt/Vo)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00100	Final Volume (L)
Vo	1.000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)	REVIEW CODE
M 1 TPH Peaks C9-C36				4324915	700.000	656	
2 C-9	3.916	4.015	-0.099	312084	50.0000	49.1(M)	
3 C-10	5.143	5.244	-0.101	329182	50.0000	50.9	
4 C-12	7.280	7.386	-0.106	317390	50.0000	49.0	
5 C-14	9.084	9.196	-0.112	313105	50.0000	48.0	
6 C-16	10.671	10.732	-0.061	310082	50.0000	47.3	
7 C-18	12.096	12.216	-0.120	307064	50.0000	46.2	
$ 8 O-Terphenyl	12.440	12.559	-0.119	139601	20.0000	19.0	
9 C-19	12.759	12.880	-0.121	309124	50.0000	46.4	
11 C-20	13.390	13.516	-0.126	313108	50.0000	46.5	
12 C-22	14.574	14.704	-0.130	310618	50.0000	46.4	
13 C-24	15.665	15.798	-0.133	309287	50.0000	46.1	
14 C-26	16.675	16.811	-0.136	304540	50.0000	46.3	
15 C-28	17.613	17.756	-0.143	307455	50.0000	45.7	
16 C-30	18.492	18.637	-0.145	310046	50.0000	45.1	
17 C-36	22.043	22.234	-0.191	271830	50.0000	42.7(M)	

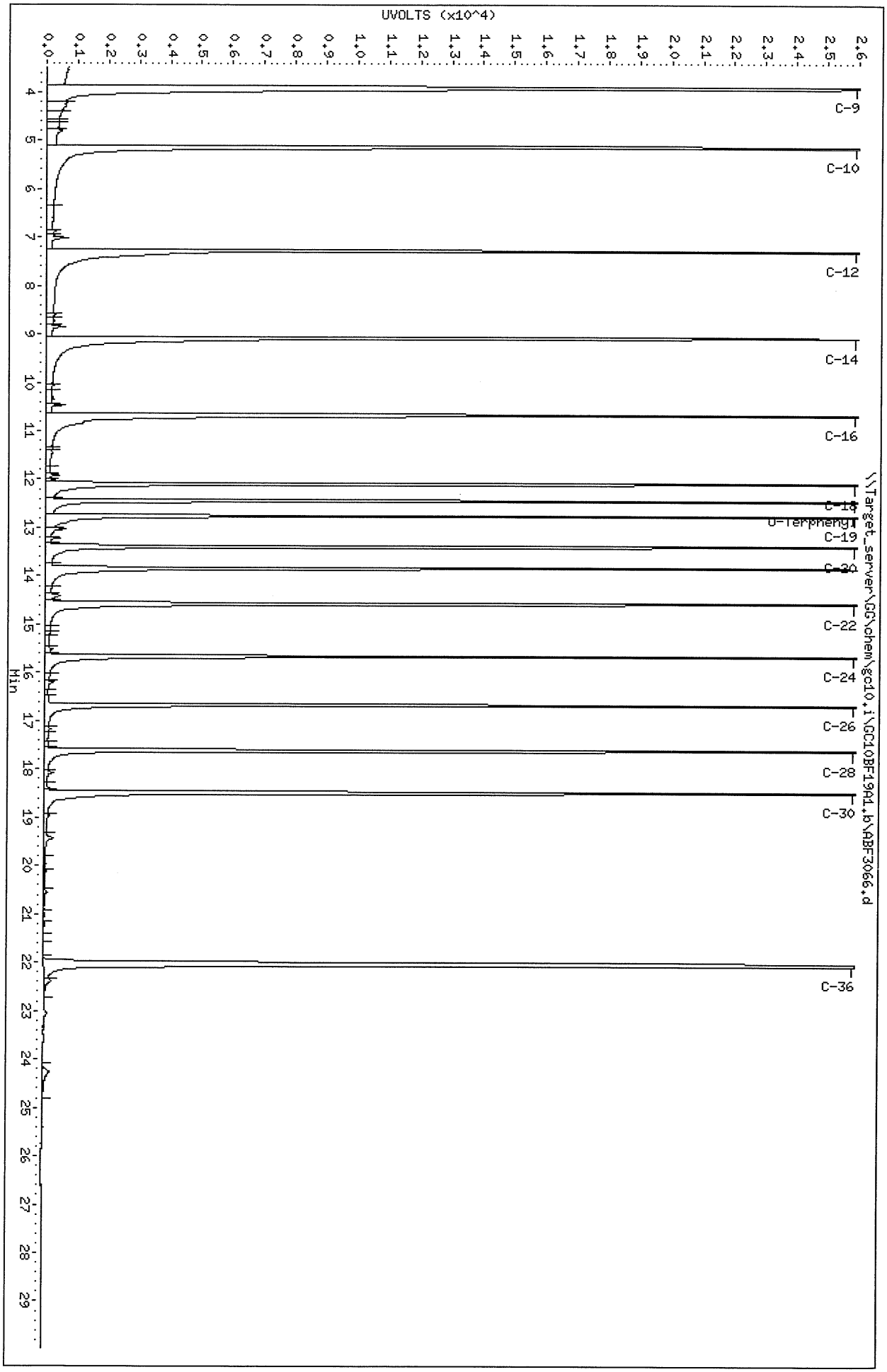
M6
063008

QC Flag Legend

M - Compound response manually integrated.

Data File: \\Target_server\GC\chem\gc10.i\GC10BF19A1.b\ABF3066.d
Date : 21-JUN-2008 08:36
Client ID:
Sample Info: TPHA021B,M,GC10BF19A1,B,1,PHC 50UG/ML
Purge Volume: 1.0
Column phase: ZB-1

Instrument: gc10.i
Operator: KGT
Column diameter: 0.53



FORM 7B
SEMIVOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 426 NLON SDG No.: CTO426-4

Instrument ID: GC10 Calibration Date: 06/21/08 Time: 1230

Lab File ID: ABF3072 Init. Calib. Date(s): 04/08/08 04/08/08

Init. Calib. Times: 1420 1651

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
TPH Peaks C9-C36	262.66000	280.00000	6326.9000	0.01	-6.19	20.00	LINR
C-9	22.028000	20.000000	7119.6000	0.01	10.14	20.00	LINR
C-10	21.689000	20.000000	7109.4000	0.01	8.44	20.00	LINR
C-12	19.497000	20.000000	6332.6000	0.01	-2.52	20.00	LINR
C-14	19.012000	20.000000	6316.0000	0.01	-4.94	20.00	LINR
C-16	18.483000	20.000000	6225.2000	0.01	-7.58	20.00	LINR
C-18	18.015000	20.000000	6151.5000	0.01	-9.92	20.00	LINR
C-19	18.188000	20.000000	6230.2000	0.01	-9.06	20.00	LINR
C-20	18.729000	20.000000	6462.5000	0.01	-6.36	20.00	LINR
C-22	18.319000	20.000000	6295.2000	0.01	-8.40	20.00	LINR
C-24	18.074000	20.000000	6294.5000	0.01	-9.63	20.00	LINR
C-26	17.964000	20.000000	6132.3000	0.01	-10.18	20.00	LINR
C-28	17.935000	20.000000	6224.9000	0.01	-10.32	20.00	LINR
C-30	17.629000	20.000000	6216.6000	0.01	-11.86	20.00	LINR
C-36	17.100000	20.000000	5466.4000	0.01	-14.50	20.00	LINR
O-Terphenyl	7.5696000	8.0000000	7173.8000	0.01	-5.38	20.00	LINR

FORM VII DRO

Data File: \\Target_server\GG\chem\gc10.i\GC10BF19A1.b\ABF3072.d
Report Date: 30-Jun-2008 08:59

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gc10.i\GC10BF19A1.b\ABF3072.d
Lab Smp Id: PHC 20UG/ML
Inj Date : 21-JUN-2008 12:30
Operator : KGT Inst ID: gc10.i
Smp Info : TPHA021B.M,GC10BF19A1.B,1,PHC 20UG/ML
Misc Info : T
Comment :
Method : \\TARGET_SERVER\GG\chem\gc10.i\GC10BF19A1.B\TPHA021B.m
Meth Date : 27-Jun-2008 16:41 ktanguay Quant Type: ESTD
Cal Date : 08-APR-2008 16:51 Cal File: ABD1097a.d
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: cv.sub
Subtraction File: \\Target_server\GG\chem\gc10.i\GC10BF19A1.b\ABF3065.d
Target Version: 4.12
Processing Host: TARGET02

Concentration Formula: Amt * DF * (Vt/Vo)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00100	Final Volume (L)
Vo	1.000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

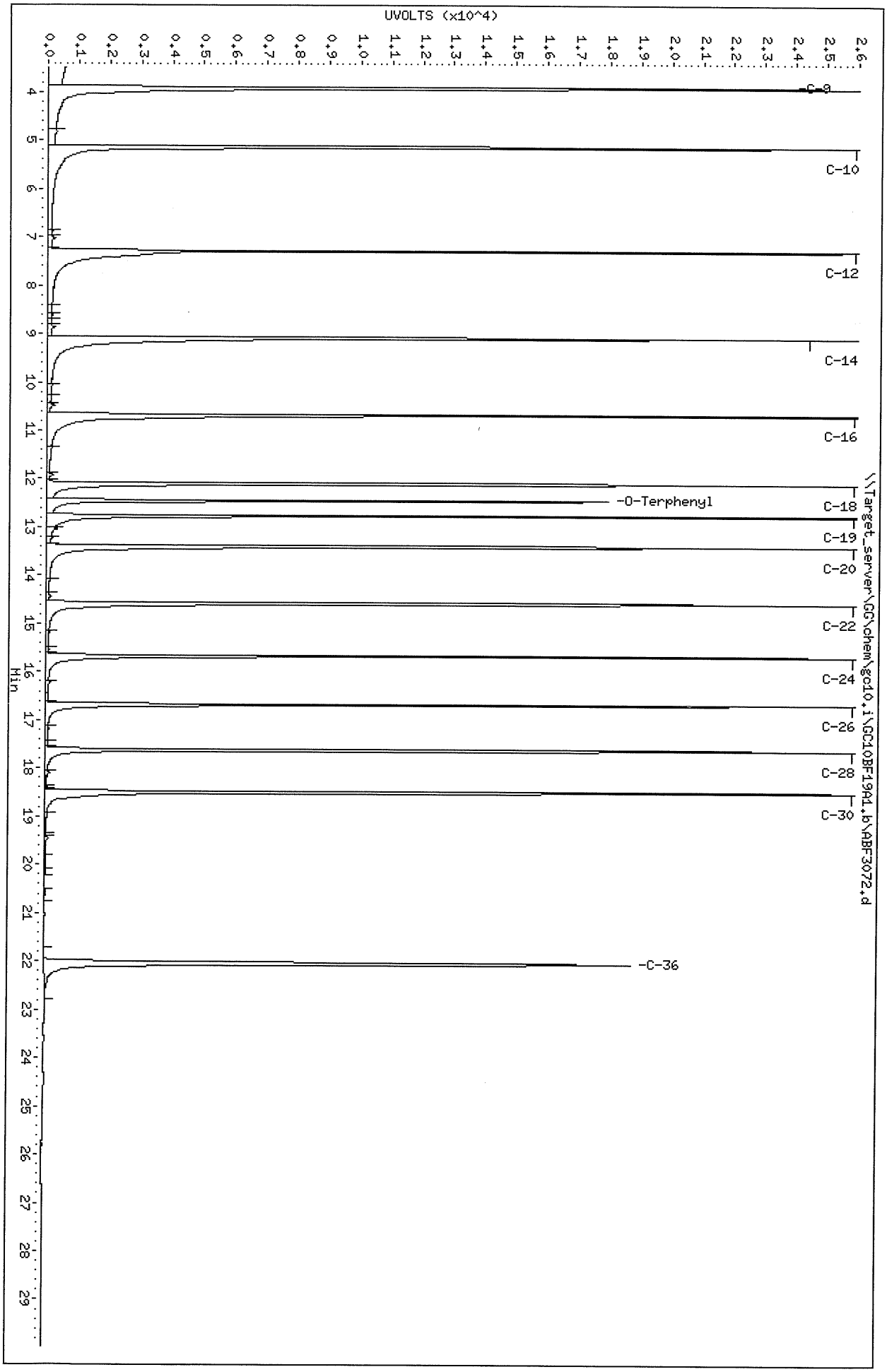
Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)	REVIEW CODE
M 1 TPH Peaks C9-C36				1771540	700.000	263	
2 C-9	3.919	4.015	-0.096	142393	50.0000	22.0(M)	M6 063008 KGT
3 C-10	5.145	5.244	-0.099	142187	50.0000	21.7	
4 C-12	7.283	7.386	-0.103	126653	50.0000	19.5	
5 C-14	9.090	9.196	-0.106	126321	50.0000	19.0	
6 C-16	10.675	10.732	-0.057	124503	50.0000	18.5	
7 C-18	12.097	12.216	-0.119	123030	50.0000	18.0	
$ 8 O-Terphenyl	12.445	12.559	-0.114	57390	20.0000	7.57	
9 C-19	12.760	12.880	-0.120	124605	50.0000	18.2	
11 C-20	13.391	13.516	-0.125	129250	50.0000	18.7	
12 C-22	14.575	14.704	-0.129	125905	50.0000	18.3	
13 C-24	15.667	15.798	-0.131	125890	50.0000	18.1	
14 C-26	16.677	16.811	-0.134	122646	50.0000	18.0	
15 C-28	17.615	17.756	-0.141	124498	50.0000	17.9	
16 C-30	18.493	18.637	-0.144	124331	50.0000	17.6	
17 C-36	22.044	22.234	-0.190	109328	50.0000	17.1	

QC Flag Legend

M - Compound response manually integrated.

Data File: \\Target_server\GC\chem\gc10.i\GC10BF19A1.b\ABF3072.d
Date : 21-JUN-2008 12:30
Client ID:
Sample Info: TPHA021B.M,GC10BF19A1.B.1.PHC 20UG/ML
Purge Volume: 1.0
Column phase: ZB-1

Instrument: gc10.i
Operator: KGT
Column diameter: 0.53



Raw QC Data Section

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client:
Project: CTO 426 NLON
PO No:
Sample Date:
Received Date:
Extraction Date: 06/13/08
Analysis Date: 20-JUN-2008 15:46
Report Date: 07/01/2008
Matrix: WATER
% Solids: NA

Lab ID: WG52475-1
Client ID: WG52475-Blank
SDG: CTO426-4
Extracted by: KF
Extraction Method: SW846 3510
Analyst: KGT
Analysis Method: SW846 M8015B
Lab Prep Batch: WG52475
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
	Extractable TPH C9-C36	U	75	1.0	75	75	45
	O-Terphenyl		78%				

Data File: \\Target_server\GG\chem\gc10.i\GC10BF19A1.b\ABF3040.d
Report Date: 30-Jun-2008 08:59

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gc10.i\GC10BF19A1.b\ABF3040.d
Lab Smp Id: WG52475-1 Client Smp ID: WG52475-Blank
Inj Date : 20-JUN-2008 15:46
Operator : KGT Inst ID: gc10.i
Smp Info : TPHA021B.M,GC10BF19A1.B,1,WG52475-1
Misc Info : SW846 M8015B
Comment :
Method : \\TARGET_SERVER\GG\chem\gc10.i\GC10BF19A1.B\TPHA021B.m
Meth Date : 27-Jun-2008 16:41 ktanguay Quant Type: ESTD
Cal Date : 08-APR-2008 16:51 Cal File: ABD1097a.d
Als bottle: 1 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: SW8015M-TPH.sub
Subtraction File: \\Target_server\GG\chem\gc10.i\GC10BF19A1.b\ABF3037A.d
Target Version: 4.12
Processing Host: TARGET02

Concentration Formula: Amt * DF * (Vt/Vo)*1000 * CpndVariable

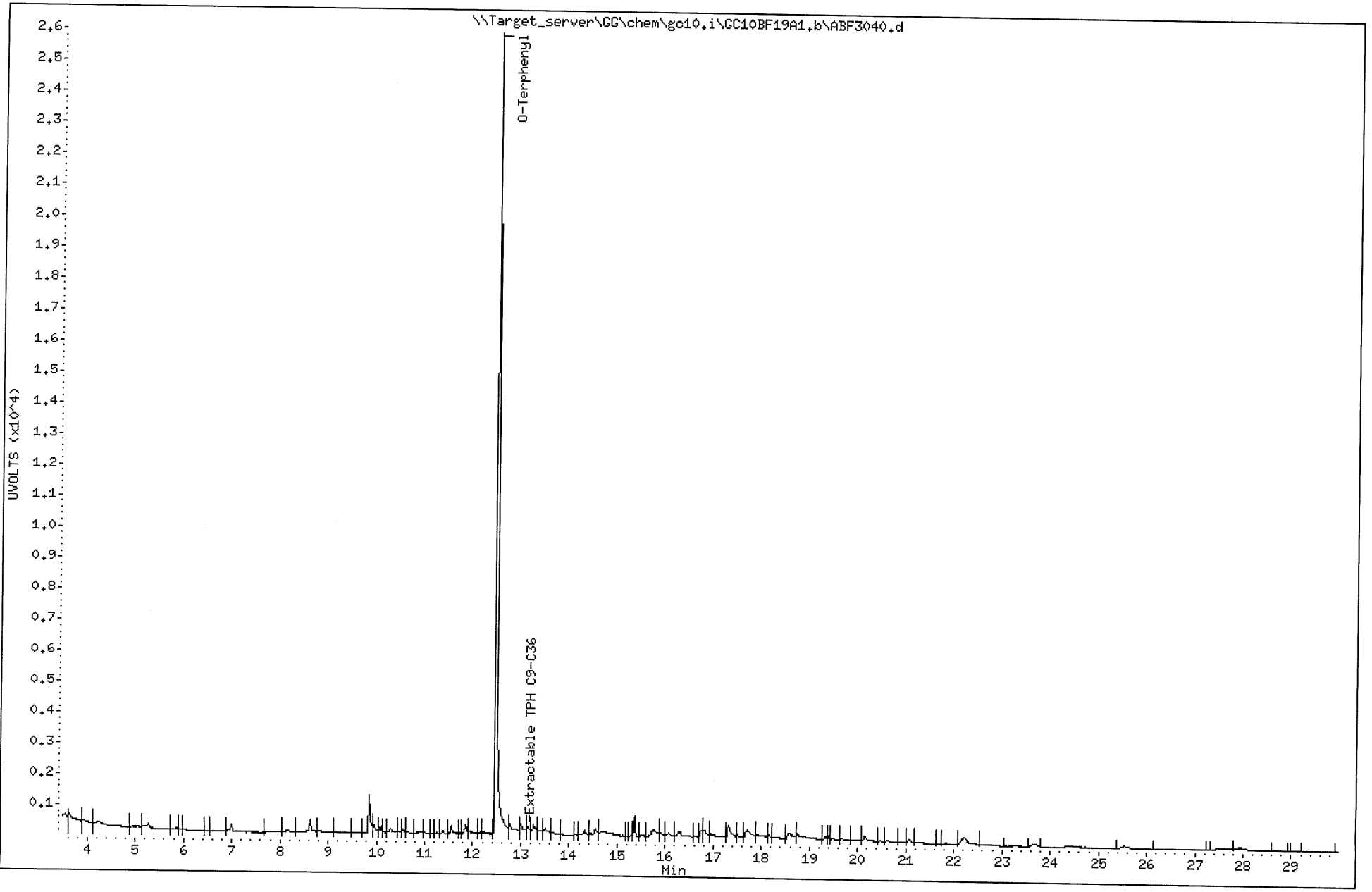
Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00100	Final Volume (L)
Vo	1.000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/L)	REVIEW CODE
$ 8 O-Terphenyl	12.463	12.559	-0.096	115311	15.6059	15.6	

Data File: \\Target_server\GG\chem\gc10.i\GC10BF19A1.b\ABF3040.d
Date : 20-JUN-2008 15:46
Client ID: WG52475-Blank
Sample Info: TPHA021B.M,GC10BF19A1.B,1,WG52475-1
Purge Volume: 1.0
Column phase: ZB-1

Instrument: gc10.i

Operator: KGT
Column diameter: 0.53



Katahdin Analytical Services 2000051

KATAHDIN ANALYTICAL SERVICES
LAB CONTROL SAMPLE

Client:
Project: CTO 426 NLON
PO No:
Sample Date:
Received Date:
Extraction Date: 06/13/08
Analysis Date: 06/20/08
Report Date: 07/01/2008
Matrix: WATER

Lab ID: WG52475-2
Client ID: WG52475-LCS
SDG: CTO426-4
Extracted by: KF
Extraction Method: SW846 3510
Analyst: KGT
Analysis Method: SW846 M8015B
Lab Prep Batch: WG52475
Units: ug/L

COMPOUND	LCS SPIKE	SAMPLE CONC.	LCS CONC.	%REC.	QC. LIMITS
Extractable TPH C9-C36	500	NA	407	81	33-135

Data File: \\Target_server\GG\chem\gc10.i\GC10BF19A1.b\ABF3041.d
Report Date: 30-Jun-2008 08:59

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gc10.i\GC10BF19A1.b\ABF3041.d
Lab Smp Id: WG52475-2 Client Smp ID: WG52475-LCS
Inj Date : 20-JUN-2008 16:24
Operator : KGT Inst ID: gc10.i
Smp Info : TPHA021B.M,GC10BF19A1.B,1,WG52475-2
Misc Info : SW846 M8015B
Comment :
Method : \\TARGET_SERVER\GG\chem\gc10.i\GC10BF19A1.B\TPHA021B.m
Meth Date : 27-Jun-2008 16:41 ktanguay Quant Type: ESTD
Cal Date : 08-APR-2008 16:51 Cal File: ABD1097a.d
Als bottle: 1 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: SW8015M-TPH.sub
Subtraction File: \\Target_server\GG\chem\gc10.i\GC10BF19A1.b\ABF3037A.d
Target Version: 4.12
Processing Host: TARGET02

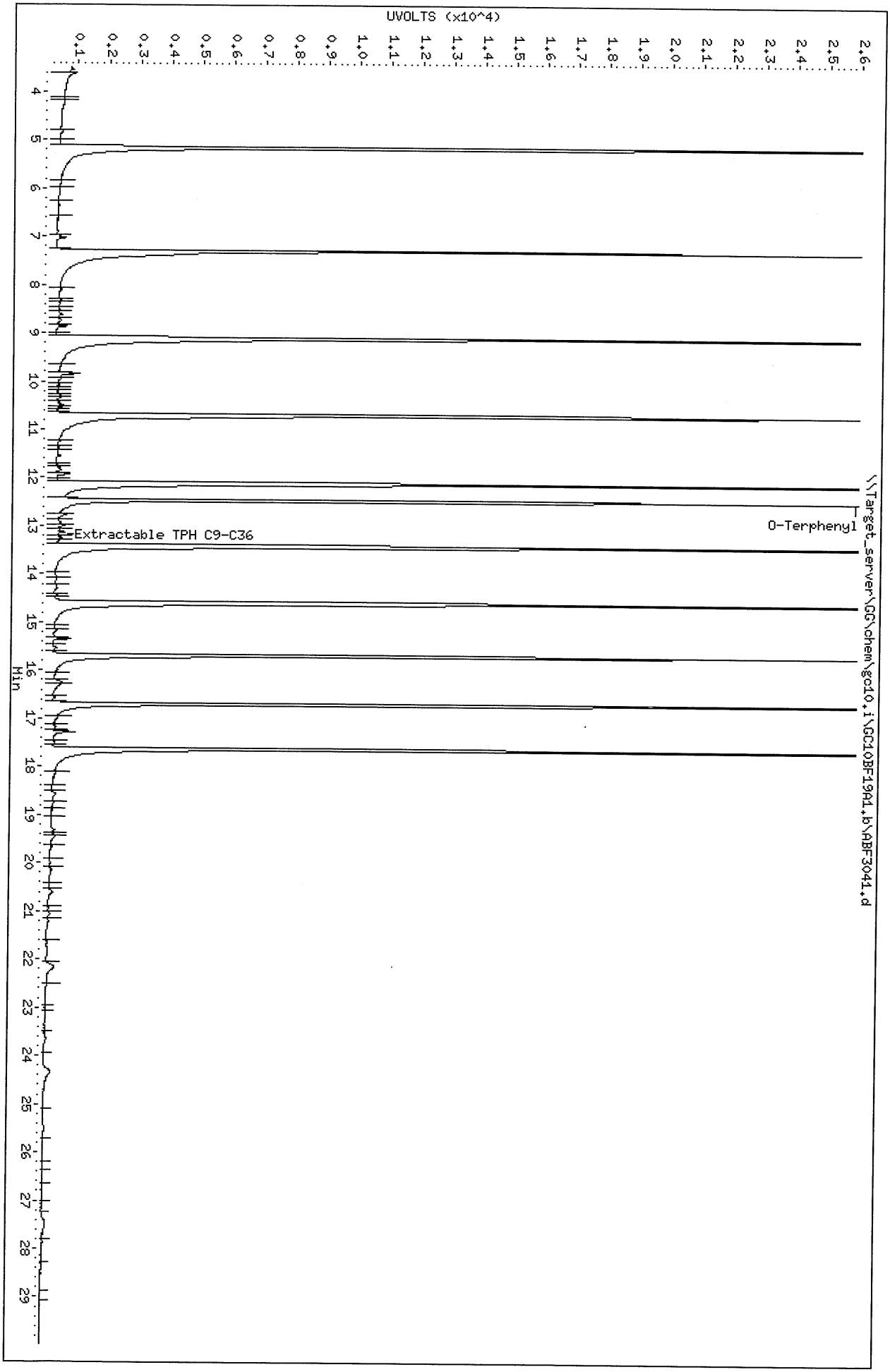
Concentration Formula: Amt * DF * (Vt/Vo)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00100	Final Volume (L)
Vo	1.000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/L)	REVIEW CODE
$ 8 O-Terphenyl	12.456	12.559	-0.103	132258	17.9573	18.0	
S 10 Extractable TPH C9-C36	3.916	-22.493		2708099	406.650	407	

Data File: \\Target_server\GC\chem\gc10.i\GC10BF19A1.b\ABF3041.d
Date : 20-JUN-2008 16:24
Client ID: WG52475-LCS
Sample Info: TPHA021B.M,GC10BF19A1.B,1,WG52475-2
Purge Volume: 1.0
Column phase: ZB-1

Instrument: gc10.i
Operator: KGT
Column diameter: 0.53



Logbooks and Supporting Documents

KATAHDIN ANALYTICAL SERVICES, INC. - GC LABORATORY RUN LOG

Instrument GC010 | **Methods** – Circle Applicable Methods

Amount Injected: 1ul | **DRO/TPH** – 8015Mod. / MDEP 4.1.25 / 8100Mod.

Date	Init	Result File	Sample #	Accept Y/N	Method	Column	Comments
4-3-08	JLP	ABD10 60	WG49506-3DL 3550	Y	NJA001A	305	1:50 OPRL mix 100 ~~50~~/500 JLP 04-03-08
		61	-4DL	Y			
		62	MeCl2	N			
		63	TB	Y			
		64	FLPRO				
		65	PHC 50				
		66	FO 500				
4-3-08	JLP	67	MeCl2	N			New liner
		68					
		69					
		70					
		71	TB	Y			
		72	FO #2	N			clip col?
4-8-08	JLP	89	TB	N	DRO A021A	305	clip column
		90	TB	Y	TPH A021A		
		91	FO #2	N			No syringe
		92	FO #2	Y			
		93	PHC 50 ug/mL	Y			H1757
		94	200				H1752
		95	100				H1728
		96	20				H1734
		97	5				H1756
		98	PHC IND				H1735
		99	SB14969-17 3550	Y	TPH A021A		
		100	-7	Y			
		101	-23	Y			
		102	-11	N			@ 1:5
		103	-1	Y			

REVIEWED BY _____ ON _____

KATAHDIN ANALYTICAL SERVICES, INC. - GC LABORATORY RUN LOG

Instrument GC010

Methods – Circle Applicable Methods

Amount Injected: 1µl

DRO/TPH – 8015Mod. / MDEP 4.1.25 / 8100Mod.

Date	Init	Result File	Sample #	Accept Y/N	Method	Column	Comments
061908	KCT	ABF3011	TB	Y	DRGA021B	305	
		12	PHC 20µg/ml	Y			H1734
		13	SB3045-6 350	Y			
		14	-7	Y			
		15	-8	Y			
		16	-9	Y			
		17	-10	Y			
		18	-11	Y			
		19	-12	Y			
		20	-13	Y			
		21	-14	Y			
		22	WG52397-1 350	Y			
		23 22 KCT	Mech	N			
		24 23	TB	Y			
		25 24	PHC 50µg/ml	Y			H1768
		26	WG52397-2 350	Y			
		27	-3	Y			
		28	SB2996-1	N			@ 1:20
		29	-2	N			@ 1:20
		30	Mech	N			
		31	SB2996-1 DL 350	Y			1:20 SB1030
		32	-2 DL	Y			1:20 SB1030
		33	-2 ~~Mech~~ KCT	N			wrong sample
		34	M ~~PHC 50µg/ml~~	N			H1768
		35	PHC 50µg/ml	Y			C36
062008		36	TB	N			
		37					
		39	PHC 50µg/ml	Y			H1768

REVIEWED BY _____ ON _____

KATAHDIN ANALYTICAL SERVICES, INC. - GC LABORATORY RUN LOG

Instrument GC010

Methods – Circle Applicable Methods

Amount Injected: 1µl

DRO/TPH – 8015Mod. / MDEP 4.1.25 / 8100Mod.

Date	Init	Result File	Sample #	Accept Y/N	Method	Column	Comments
					TPHA021R		
062108	KG	AB53040	WGS2475-1 3570	Y	~~PROA021R~~ KG	305	
		41	-2	Y	TPHA021R		
		42	-3	Y			
		43	-4	Y			
		44	SB3055-1	Y			
		45	-2	Y			
		46	-3	Y			
		47	-4	Y			
		48	-5	Y			
		49	-6	Y			
		50	Mech	N			
		51	TB	N			
		52	PHC 20ug/ml	Y			H1734
062108		53	SB3054-7 3500	Y			
		54	-8	Y			
		55	-9	Y			
		56	-10	Y			
		57	-11	Y			
		58	-12	Y			
		59	-13	Y			
		60	SB3101-1	Y			
		61	-2	Y			
		62	-3	Y			
		63	Mech	N			
		64	FO #2	N			
		65	TB	Y			
		66	PHC 50 ug/ml	Y			~~H1734~~ KG H1768
		67	SB3101-4 3500	Y			

REVIEWED BY _____ ON _____

KATAHDIN ANALYTICAL SERVICES, INC. - GC LABORATORY RUN LOG

Instrument GC010

Methods – Circle Applicable Methods

Amount Injected: 1µl

DRO/TPH – 8015Mod. / MDEP 4.1.25 / 8100Mod.

Date	Init	Result File	Sample # 5871024	Accept Y/N	Method	Column	Comments
062408	KRS	A8F3068	~~SB3274-5~~	Y	TPHA021R	305	
		69	-4	Y			
		70	-5	Y			
		71	Mech	Y			
		72	PHC 20ng/ml	Y			H1734
062408	KRS	73	TB	N	DROA021R	305	
		74		Y			
		75	FO #2	Y			
		76	TB	N			
		77	TB	Y			
		78	PHC 50ng/ml	Y			H1768
		79	WG527881 3510	N			EDB 1 ounce
		80	-2	Y			WG527872 TPHA021R
		81	-3	Y			-3
		82	WG525941	Y	TPHA021R		
		83	-2	Y			
		84	-3	Y			
		85	SB3274-2 3510	Y	DROA021R		
		86	SB3101-5	Y	TPHA021R		
		87	-6	Y			
		88	Mech	N			
062408		89	TB	Y			
		90	PHC 20ng/ml	Y			H1734
062408		108	TB	N	DROA021R		
		109	TB	Y			
		110	PHC 50ng/ml	N			
		111	3510	Y			H1768
		112	WG527881RA	~~N~~ Y KRS			WG527872 TPH

REVIEWED BY _____ ON _____

CT ETPH SEP

Katahdin Analytical Services, Inc.
Organic Extraction Log

Analysis: Fuel Oils

Method: SW846 8015M MEDEP 4.1.25 MADEP EPH FLOPRO (CT ETPH)

Matrix: Aqueous

Extraction: SW846 3520 (SW846 3510)

Surrogate Spike ID: GC0504

LCS/MS Spike ID: GC0502

KD Filter Paper Lot ID: H11375080

Sample pHs checked prior to extraction: (Y) / N

Acid Lot ID: —

(unpreserved samples should be noted on comments.)

Mecl2 Lot ID: G17E99

Blanks & LCSs adjusted to pH 2 w/ 1:1 HCl: Y / (N)

Nit Temp: 37°C Silica GEL: 043129

Date Extracted	Ext. Init.	Sample ID	Initial Volume mL	Surr. Volume mL	Spike Volume mL	Final Volume mL	Date Conc.	Tray Location	Conc. Init.	Comments
6/13/08	JF	W652475-1	1000	1mL	NR	1mL	6/13/08	F0459 E2	GN	R82279 Neutral pH
		-2			1mL			E3		
		-3	1st 6/13 ~~900~~ 1060					E4		MS SB3059-4L
		-4	960					E5		MSD " -4M
						GN 6-13-08				

Date Extracted	Ext. Init.	Sample ID	Initial Volume mL	Surr. Volume mL	Spike Volume mL	Final Volume mL	Date Conc.	Tray Location	Conc. Init.	Comments
6-13-08	KF	SB3059-1D	1020	1mL	NR	1mL	6-13-08	E6	GN	Neutral pH emulsion
		-2D	1050					E7		
		-3D	1050					E8		
		-4K	1010					E9		
		-5D	1050					E10		emulsion
		-6D	1040					~~5-6~~ 6-F04 A1	460	
		-7D	920					A2		
		-8D	1060					A3		
		-9D	1040					A4		
		-10D	1050					A5		
		-11D	1060					A6		
		-12D	1050					A7		emulsion
		-13D	1000					A8		
		SB3101-1D	1030					A9		thick emulsion-centrifuged
		-2A	970					A10		
		-3A	970					B1		
		-4A	970					B2		
		SB3102-1A	960					B3		small emulsion
		-4A	1000					B4		
		-5A	230					B5		small emulsion

Reviewed By: _____ **Date:** _____

TETRA TECH NUS, INC.
CTO 426 NLON
SDG: CTO426-5
SB5084, SB5123

KATAHDIN ANALYTICAL SERVICES, INC.
600 TECHNOLOGY WAY
SCARBOROUGH, ME 04074

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SAMPLE DATA PACKAGE

SDG NARRATIVE
KATAHDIN ANALYTICAL SERVICES
TETRA TECH NUS
CASE CTO 426 NLON
SDG: CTO426-5
SB5084, SB5123

Sample Receipt

The following samples were received on September 11 and 12, 2008 and were logged in under Katahdin Analytical Services work order numbers SB5084 and SB5123 for a hardcopy due date of October 1, 2008.

KATAHDIN Sample No.	TTNUS Sample Identification
SB5084-1	AWD-GW-MW201-090809
SB5084-2	AWD-GW-MW301-090908
SB5084-3	AWD-GW-DUP01
SB5084-4	AWD-GW-MW302-090908
SB5084-5	AWD-GW-MW303-090908
SB5084-6	AWD-SW1-090908
SB5084-7	AWD-SW-DUP01
SB5084-8	AWD-PZ203-090908
SB5084-9	AWD-GW-MW202-090808
SB5084-10	AWD-GW-MW14-090908
SB5084-11	AWD-TB-090908
SB5123-1	AWD-GW-MWDUP02
SB5123-2	AWD-GW-MW102-091008
SB5123-3	AWD-GW-MW101-091008
SB5123-4	AWD-GW-MW305-091008
SB5123-5	AWD-GW-MW404-091008
SB5123-6	AWD-GW-MW304-091008
SB5123-7	AWD-GW-MW402-091008
SB5123-8	AWD-GW-MW403-091008
SB5123-9	AWD-GW-MW401-091008
SB5123-10	AWD-GW-MW104-091008
SB5123-11	AWD-GW-MW103-091008
SB5123-12	AWD-TB-091108

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 CTO426-5 were analyzed in accordance with "Test Methods for Evaluating Solid Wastes: Physical/Chemical Methods." SW-846, 2nd edition, 1982 (revised 1984), 3rd edition, 1986, and Updates I, II, IIA, 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 SB5084-10 was used for the Matrix Spike (MS) and Matrix Spike Duplicate (MSD), 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.

The sample with the client ID AWD-GW-MW14-090908 (laboratory ID SB5084-10) exceeds the 19-character limit of the Katahdin Analytical Services' organics forms processing system when appended with the MSD designation. Therefore, the first two characters ("AW") in the client ID for this sample were omitted on all forms for the sample, MS, and MSD analyses.

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 to take corrective action only if the number of spiked analytes in the LCS that are outside of the QC limits is greater than the DoD QSM allowable number of exceedances. The LCS report consists of the full list of spiked analytes, but only the client's list of target analytes are evaluated. 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 initial analysis of sample SB5123-11 had a high recovery for one surrogate that was outside the laboratory established limits. The reanalysis of this sample is labeled with the suffix "RA". The reanalysis was analyzed within hold time and met all QC acceptance limits. Therefore, only the reanalysis is reported.

8015M-TPH-CT Analysis

The calibration verification standards (CV's) (files ABI2333, ABI2357, and ABI2387) had high responses for one or more hydrocarbons, which resulted in %D's that were greater than 20%. Since the method requirement applies to only the TPH range response, which was acceptable, the associated samples were not reanalyzed.

The calibration verification standard (CV) (file ABI2333) had a high response for the extraction surrogate, o-terphenyl, which resulted in a %D that was greater than 20%. The associated samples may be biased high for the surrogate.

The TPH recoveries in the MS and MSD, WG55625-4 and 5, are low and outside of the laboratory established acceptance limit. Due to a laboratory error, the MS and MSD were inadvertently not spiked with the TPH spike mix. The client was notified and the laboratory was informed to not reextract the samples and to proceed with narration. The laboratory control spike and laboratory control spike duplicate, WG55625-2 and 3, associated with the samples, had acceptable TPH recoveries.

Samples SB5084-2 through 6, 8, 9, and 10, SB5123-1, 2, 4, 6, 7 and 8 were manually integrated for the target range TPH and the extraction surrogate o-Terphenyl. 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.

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

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
10.01.08

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.
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: AJC	Sampled By: client
Project:	KIMS Entry By: DD	Delivered By: FedEx
KAS Work Order#: SB5084	KIMS Review By: [illegible]	Received By: DD
SDG #:	Cooler: 1 of 3	Date/Time Rec.: 9-11-08 1130

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): 5.7
6. Samples received at < 6 °C w/o freezing? Ice or ice packs present? (Y) or N	✓				Cooler temp. (°C): (if no temp blank)
7. Volatiles free of headspace?	✓				
Aqueous: No bubble larger than a pea					
Soil/Sediment: Received in airtight container?				✓	
Received in methanol?				✓	
Methanol covering soil?				✓	
8. Trip Blank present in cooler?	✓				
9. Proper sample containers and volume?	✓				
10. Samples within hold time upon receipt?	✓				
11. Aqueous samples properly preserved? Metals, COD, NH3, TKN, O/G, phenol, TPO4, N+N, TOC, DRO, TPH – pH <2				✓	
Sulfide - >9				✓	
Cyanide – pH >12				✓	
12. Corrective Action Report Filed?				✓	

* Log-In Notes to Exceptions: document any problems with samples or discrepancies or pH adjustments

0000006

Katahdin Analytical Services, Inc. **Sample Receipt Condition Report**

Client: Tetra Tech		KAS PM: AJC		Sampled By: client	
Project:		KIMS Entry By: DD		Delivered By: Fed Ex	
KAS Work Order#: SB5084		KIMS Review By: AL		Received By: DD	
SDG #:	Cooler: 2 of 2			Date/Time Rec.: 9-11-08 1130	

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): 5.5
6. Samples received at < 6 °C w/o freezing? Ice or ice packs present? Y or N	✓				Cooler temp. (°C): (if no temp blank)
7. Volatiles free of headspace? **Aqueous:** No bubble larger than a pea	✓				
Soil/Sediment: Received in airtight container?				✓	
Received in methanol?				✓	
Methanol covering soil?				✓	
8. Trip Blank present in cooler?	✓				
9. Proper sample containers and volume?	✓				
10. Samples within hold time upon receipt?	✓				
11. Aqueous samples properly preserved? Metals, COD, NH3, TKN, O/G, phenol, TPO4, N+N, TOC, DRO, TPH – pH <2				✓	
Sulfide - >9				✓	
Cyanide – pH >12				✓	
12. Corrective Action Report Filed?				✓	

* Log-In Notes to Exceptions: document any problems with samples or discrepancies or pH adjustments

0000007

Katahdin Analytical Services, Inc. **Sample Receipt Condition Report**

Client: Tetra Tech		KAS PM: AJC		Sampled By: client	
Project:		KIMS Entry By: DD		Delivered By: Fed Ex	
KAS Work Order#: SB5084		KIMS Review By: AL		Received By: DD	
SDG #:	Cooler: 3 of 3			Date/Time Rec.: 9-11-08 1130	

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): 5.6
6. Samples received at < 6 °C w/o freezing? Ice or ice packs present? (Y) or N	✓				Cooler temp. (°C): (if no temp blank)
7. Volatiles free of headspace? **Aqueous:** No bubble larger than a pea	✓				
Soil/Sediment: Received in airtight container?				✓	
Received in methanol?				✓	
Methanol covering soil?				✓	
8. Trip Blank present in cooler?	✓				
9. Proper sample containers and volume?	✓				
10. Samples within hold time upon receipt?	✓				
11. Aqueous samples properly preserved? Metals, COD, NH3, TKN, O/G, phenol, TPO4, N+N, TOC, DRO, TPH – pH <2				✓	
Sulfide - >9				✓	
Cyanide – pH >12				✓	
12. Corrective Action Report Filed?				✓	

* Log-In Notes to Exceptions: document any problems with samples or discrepancies or pH adjustments

0000008

Katahdin Analytical Services, Inc. **Sample Receipt Condition Report**

Client:	Tetra Tech	KAS PM:	AJC	Sampled By:	Client
Project:		KIMS Entry By:	DD	Delivered By:	Fed Ex
KAS Work Order#:	SB5123	KIMS Review By:	MV	Received By:	DD
SDG #:	Cooler: 1 of 4			Date/Time Rec.:	9-12-08 0945

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): 5.4
6. Samples received at < 6 °C w/o freezing? Ice or ice packs present? (Y) or N	✓				Cooler temp. (°C): (if no temp blank)
7. Volatiles free of headspace? **Aqueous:** No bubble larger than a pea	✓				
Soil/Sediment: Received in airtight container?				✓	
Received in methanol?				✓	
Methanol covering soil?				✓	
8. Trip Blank present in cooler?	✓				
9. Proper sample containers and volume?	✓				
10. Samples within hold time upon receipt?	✓				
11. Aqueous samples properly preserved? Metals, COD, NH3, TKN, O/G, phenol, TPO4, N+N, TOC, DRO, TPH – pH <2				✓	
Sulfide - >9				✓	
Cyanide – pH >12				✓	
12. Corrective Action Report Filed?				✓	

* Log-In Notes to Exceptions: document any problems with samples or discrepancies or pH adjustments

Sample # AWD-GW-MW-402-091008 had 1 broken Amber. (Still have 1 Amber intact for analysis)

0000009

Katahdin Analytical Services, Inc. **Sample Receipt Condition Report**

Client:	Tetra Tech	KAS PM:	AJC	Sampled By:	client
Project:		KIMS Entry By:	DD	Delivered By:	Fed Ex
KAS Work Order#:	SB5123	KIMS Review By:	[illegible]	Received By:	DD
SDG #:	Cooler: 2 of 4			Date/Time Rec.:	9-12-08 0945

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): 5.7
6. Samples received at < 6 °C w/o freezing? Ice or ice packs present? Y or N	✓				Cooler temp. (°C): (if no temp blank)
7. Volatiles free of headspace?	✓				
Aqueous: No bubble larger than a pea					
Soil/Sediment: Received in airtight container?				✓	
Received in methanol?				✓	
Methanol covering soil?				✓	
8. Trip Blank present in cooler?	✓				
9. Proper sample containers and volume?	✓				
10. Samples within hold time upon receipt?	✓				
11. Aqueous samples properly preserved? Metals, COD, NH3, TKN, O/G, phenol, TPO4, N+N, TOC, DRO, TPH – pH <2				✓	
Sulfide - >9				✓	
Cyanide – pH >12				✓	
12. Corrective Action Report Filed?				✓	

* Log-In Notes to Exceptions: document any problems with samples or discrepancies or pH adjustments

0000010

Katahdin Analytical Services, Inc. **Sample Receipt Condition Report**

Client:	Tetra Tech	KAS PM:	AJC	Sampled By:	client
Project:		KIMS Entry By:	DD	Delivered By:	Fed Ex
KAS Work Order#:	SB5123	KIMS Review By:	D	Received By:	DD
SDG #:	Cooler: 3 of 4			Date/Time Rec.:	9-12-08 0945

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): 5.6
6. Samples received at < 6 °C w/o freezing? Ice or ice packs present? Y or N	✓				Cooler temp. (°C): (if no temp blank)
7. Volatiles free of headspace? **Aqueous:** No bubble larger than a pea	✓				
Soil/Sediment: Received in airtight container?				✓	
Received in methanol?				✓	
Methanol covering soil?				✓	
8. Trip Blank present in cooler?		✓			
9. Proper sample containers and volume?	✓				
10. Samples within hold time upon receipt?	✓				
11. Aqueous samples properly preserved? Metals, COD, NH3, TKN, O/G, phenol, TPO4, N+N, TOC, DRO, TPH – pH <2				✓	
Sulfide - >9				✓	
Cyanide – pH >12				✓	
12. Corrective Action Report Filed?				✓	

* Log-In Notes to Exceptions: document any problems with samples or discrepancies or pH adjustments

0000011

Katahdin Analytical Services, Inc. **Sample Receipt Condition Report**

Client: Tetra Tech	KAS PM: AJC	Sampled By: Client
Project:	KIMS Entry By: DD	Delivered By: Fed-Ex
KAS Work Order#: 5B4123	KIMS Review By: KN	Received By: DD
SDG #:	Cooler: 4 of 4	Date/Time Rec.: 9-12-08 0945

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): 8.7
6. Samples received at < 6 °C w/o freezing? Ice or ice packs present? Y or N	✓				Cooler temp. (°C): (if no temp blank) 6.0
7. Volatiles free of headspace? **Aqueous:** No bubble larger than a pea	✓				
Soil/Sediment: Received in airtight container?				✓	
Received in methanol?				✓	
Methanol covering soil?				✓	
8. Trip Blank present in cooler?		✓			
9. Proper sample containers and volume?	✓				
10. Samples within hold time upon receipt?	✓				
11. Aqueous samples properly preserved? Metals, COD, NH3, TKN, O/G, phenol, TPO4, N+N, TOC, DRO, TPH – pH <2				✓	
Sulfide - >9				✓	
Cyanide – pH >12				✓	
12. Corrective Action Report Filed?				✓	

* Log-In Notes to Exceptions: document any problems with samples or discrepancies or pH adjustments

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

Client: Tetratech NUS Inc
Contact: Steve Vetere
Phone #: (978) 474 8444
Fax #: (978) 474 84
Address: 55 Jonspin Rd
City: Wilmington
State: MA
Zip Code: 01887
Purchase Order #: CTO 426 NLON
Proj. Name / No.: Arrowood NSB NLON
Katahdin Quote #:
Bill (if different than above):
Address:
Sampler (Print / Sign): R Clark P Seward
Copies To:

LAB USE ONLY
WORK ORDER #: SB5084
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 Target VOCs	Filt. ☐Y ☐N CT EPH	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N
	AWD-GW-MW201-090809	9/8/08 1645	A	5	3	2								
	AWD-GW-MW301-090908	9/9/08 0945	A	5	3	2								
	AWD-GW-Dup01	9/8/08 —	A	5	3	2								
	AWD-GW-MW302-090908	9/9/08 1110	A	5	3	2								
	~~AWD-GW-MW303-RWC~~													
	AWD-GW-MW303-090908	9/9/08 1210	A	5	3	2								
	AWD-~~GW~~-SW1-090908	9/9/08 0920	A	5	3	2								
	AWD-SW-Dup01	9/9/08 —	A	5	3	2								
	AWD-PZ203-090908	9/9/08 1415	A	5	3	2								
	AWD-GW-MW202-090808	9/8/08 1650	A	5	3	2								
	AWD-GW-MW14-090908	9/9/08 1155	A	15	9	6	Lab QC							
	AWD-TB090908	9/9/08 —	A	2	2									
		/												
		/												
		/												
		/												

OMMENTS: 3 Coolers

Relinquished By: (Signature)	Date / Time	Received By: (Signature)	Relinquished By: (Signature)	Date / Time	Received By: (Signature)
[illegible]	9/10/08 0900	[illegible]		9/11/08 1130	[illegible]
Relinquished By: (Signature)	Date / Time	Received By: (Signature)	Relinquished By: (Signature)	Date / Time	Received By: (Signature)
					0000013

THE TERMS AND CONDITIONS ON THE REVERSE SIDE HEREOF SHALL GOVERN

ORIGINAL

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

Client: Tetratech NUS
Contact: Steve Vetere
Phone #: (978) 474 8444
Fax #: (978) 474 8449
Address: 55 Jonspin Rd
City: Wilmington
State: MA
Zip Code:
Purchase Order #: CTO 426 NLON
Proj. Name / No.: W2G00869.0320 arrowwood
Katahdin Quote #:
Bill (if different than above):
Address:
Sampler (Print / Sign): R Clark P Seward
Copies To:

LAB USE ONLY
WORK ORDER #: SB5123
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.	Target Soil	CT ETPH									
					Filt. ❒Y ❒N	Filt. ❒Y ❒N	Filt. ❒Y ❒N	Filt. ❒Y ❒N	Filt. ❒Y ❒N	Filt. ❒Y ❒N	Filt. ❒Y ❒N	Filt. ❒Y ❒N	Filt. ❒Y ❒N	Filt. ❒Y ❒N	Filt. ❒Y ❒N
	AWD-GW-MW Dup02	9/10/08 / —	A	5	3	2									
	AWD-GW-MW-102-091008	9/10/08 / 1130	A	5	3	2									
	AWDGW-MW 101-091008	9/10/08 / 1015	A	5	3	2									
	AWD-GW-MW 305-091008	9/10/08 / 1655	A	5	3	2									
	AWD-GW-MW404-091008	9/10/08 / 1525	A	5	3	2									
	AWD-GW-MW304-091008	9/10/08 / 1755	A	5	3	2									
	AWD-GW-MW402-091008	9/10/08 / 1215	A	5	3	2									
	AWD-GW-MW403-091008	9/10/08 / 1410	A	5	3	2									
	AWD-GW-MW401-091008	9/10/08 / 1030	A	5	3	2									
	AWD-GW-MW104-091008	9/10/08 / 1630	A	5	3	2									
	AWD-GW-MW103-091008	9/10/08 / 1800	A	5	3	2									
	AWD-TB091108	9/11/08 / 0900	A	2	2	—									
		/													
		/													
		/													
		/													

COMMENTS: 4 Coolers

Relinquished By: (Signature)	Date / Time	Received By: (Signature)	Relinquished By: (Signature)	Date / Time	Received By: (Signature)
[illegible]	9/11/08 1100	FedEx	[illegible] DD 9/12/08	9-12-08 0945	[illegible]
Relinquished By: (Signature)	Date / Time	Received By: (Signature)	Relinquished By: (Signature)	Date / Time	Received By: (Signature)
					0000014

THE TERMS AND CONDITIONS ON THE REVERSE SIDE HEREOF SHALL GOVERN

ORIGINAL

Katahdin ANALYTICAL SERVICES

Katahdin Analytical Services

Login Chain of Custody Report (lno1)

Sep. 13, 2008
11:55 AM

Login Number: SB5084

Account: TETRAT001 Web
Tetra Tech NUS, Inc.

Project: TETRAT426001

Primary Report Address:
Lucy Guzman
Tetra Tech NUS
55 Jonspin Road

Wilmington,MA 01887-1020

Primary Invoice Address:
Accounts Payable
Tetra Tech NUS, Inc.
661 Andersen Drive
Foster Plaza 7
Pittsburgh,PA 15220

Report CC Addresses:
Invoice CC Addresses:

Login Information

ANALYSIS INSTRUCTIONS	:	
CHECK NO.	:	
CLIENT PO#	:	1000693 25-426
COOLER TEMPERATURE	:	5.7, 5.5, 5.6
DELIVERY SERVICES	:	Fed Ex
EDD FORMAT	:	KAS087QC-TXT
PM	:	AJC
PROJECT NAME	:	CTO 426 NLON
QC LEVEL	:	IV
REGULATORY LIST	:	NFESC
REPORT INSTRUCTIONS	:	Rpt to MDL. Data summary needs all forms. Send Lucy HC and 1 CD w/ PDF. Send Tobrena CD w/ PDF & EDD.
SDG ID	:	CTO426-5
SDG STATUS	:	Begin

Laboratory Sample ID	Client Sample Number	Collect Date/Time	Receive Date	PR	Verbal Date	Due Date	Mailed
SB5084-1	AWD-GW-MW201-090809	08-SEP-08 16:45	11-SEP-08			01-OCT-08	

Matrix		Product	Hold Date (shortest)	Bottle Type	Bottle Count	Comments
Aqueous	S	SW8015M-TPH-CT	15-SEP-08	1L N-Amber Glass	2	
Aqueous	S	SW8260-S	22-SEP-08	40mL Vial+HCl	3	

SB5084-2	AWD-GW-MW301-090908	09-SEP-08 09:45	11-SEP-08			01-OCT-08

Matrix		Product	Hold Date (shortest)	Bottle Type	Bottle Count	Comments
Aqueous	S	SW8015M-TPH-CT	16-SEP-08	1L N-Amber Glass	2	
Aqueous	S	SW8260-S	23-SEP-08	40mL Vial+HCl	3	

SB5084-3	AWD-GW-DUP01	08-SEP-08 00:00	11-SEP-08			01-OCT-08

Matrix		Product	Hold Date (shortest)	Bottle Type	Bottle Count	Comments
Aqueous	S	SW8015M-TPH-CT	15-SEP-08	1L N-Amber Glass	2	
Aqueous	S	SW8260-S	22-SEP-08	40mL Vial+HCl	3	

SB5084-4	AWD-GW-MW302-090908	09-SEP-08 11:10	11-SEP-08			01-OCT-08

Matrix		Product	Hold Date (shortest)	Bottle Type	Bottle Count	Comments
Aqueous	S	SW8015M-TPH-CT	16-SEP-08	1L N-Amber Glass	2	
Aqueous	S	SW8260-S	23-SEP-08	40mL Vial+HCl	3	

SB5084-5	AWD-GW-MW303-090908	09-SEP-08 12:10	11-SEP-08			01-OCT-08

Matrix		Product	Hold Date (shortest)	Bottle Type	Bottle Count	Comments
Aqueous	S	SW8015M-TPH-CT	16-SEP-08	1L N-Amber Glass	2	
Aqueous	S	SW8260-S	23-SEP-08	40mL Vial+HCl	3	

SB5084-6	AWD-SW1-090908	09-SEP-08 09:20	11-SEP-08			01-OCT-08

Matrix		Product	Hold Date (shortest)	Bottle Type	Bottle Count	Comments
Aqueous	S	SW8015M-TPH-CT	16-SEP-08	1L N-Amber Glass	2	
Aqueous	S	SW8260-S	23-SEP-08	40mL Vial+HCl	3	

SB5084-7	AWD-SW-DUP01	09-SEP-08 00:00	11-SEP-08			01-OCT-08

Matrix		Product	Hold Date (shortest)	Bottle Type	Bottle Count	Comments
Aqueous	S	SW8015M-TPH-CT	16-SEP-08	1L N-Amber Glass	2	
Aqueous	S	SW8260-S	23-SEP-08	40mL Vial+HCl	3	

Katahdin
ANALYTICAL SERVICES

Katahdin Analytical Services

Login Chain of Custody Report (lno1)

Sep. 13, 2008
11:55 AM

Login Number: SB5084

Account: TETRAT001 Web
Tetra Tech NUS, Inc.

Project: TETRAT426001

Laboratory Sample ID	Client Sample Number	Collect Date/Time	Receive Date	PR	Verbal Date	Due Date	Mailed
SB5084-8	AWD-PZ203-090908	09-SEP-08 14:15	11-SEP-08			01-OCT-08	

Matrix		Product	Hold Date (shortest)	Bottle Type	Bottle Count	Comments
Aqueous	S	SW8015M-TPH-CT	16-SEP-08	1L N-Amber Glass	2	
Aqueous	S	SW8260-S	23-SEP-08	40mL Vial+HCl	3	

Laboratory Sample ID	Client Sample Number	Collect Date/Time	Receive Date	PR	Verbal Date	Due Date	Mailed
SB5084-9	AWD-GW-MW202-090808	08-SEP-08 16:50	11-SEP-08			01-OCT-08	

Matrix		Product	Hold Date (shortest)	Bottle Type	Bottle Count	Comments
Aqueous	S	SW8015M-TPH-CT	15-SEP-08	1L N-Amber Glass	2	
Aqueous	S	SW8260-S	22-SEP-08	40mL Vial+HCl	3	

Laboratory Sample ID	Client Sample Number	Collect Date/Time	Receive Date	PR	Verbal Date	Due Date	Mailed
SB5084-10	AWD-GW-MW14-090908	09-SEP-08 11:55	11-SEP-08			01-OCT-08	

Matrix		Product	Hold Date (shortest)	Bottle Type	Bottle Count	Comments
Aqueous	S	SW8015M-TPH-CT	16-SEP-08	1L N-Amber Glass	6	**MS/MSD**
Aqueous	S	SW8260-S	23-SEP-08	40mL Vial+HCl	9	

Laboratory Sample ID	Client Sample Number	Collect Date/Time	Receive Date	PR	Verbal Date	Due Date	Mailed
SB5084-11	AWD-TB-090908	09-SEP-08 00:00	11-SEP-08			01-OCT-08	

Matrix		Product	Hold Date (shortest)	Bottle Type	Bottle Count	Comments
Aqueous	S	SW8260-S	23-SEP-08	40mL Vial+HCl	2	

***Total Samples:* 11** ***Total Analyses:* 21**

0000016

Katahdin
ANALYTICAL SERVICES

Katahdin Analytical Services

Login Chain of Custody Report (lno1)

Sep. 13, 2008
11:58 AM

Login Number: SB5123

Account: TETRAT001 Web
Tetra Tech NUS, Inc.

Project: TETRAT426001

Primary Report Address:
Lucy Guzman
Tetra Tech NUS
55 Jonspin Road

Wilmington,MA 01887-1020

Primary Invoice Address:
Accounts Payable
Tetra Tech NUS, Inc.
661 Andersen Drive
Foster Plaza 7
Pittsburgh,PA 15220

Report CC Addresses:
Invoice CC Addresses:

Login Information

ANALYSIS INSTRUCTIONS	:	
CHECK NO.	:	
CLIENT PO#	:	1000693 25-426
COOLER TEMPERATURE	:	5.4, 5.7, 5.6, 6.0
DELIVERY SERVICES	:	Fed Ex
EDD FORMAT	:	KAS087QC-TXT
PM	:	AJC
PROJECT NAME	:	CTO 426 NLON
QC LEVEL	:	IV
REGULATORY LIST	:	NFESC
REPORT INSTRUCTIONS	:	Rpt to MDL. Data summary needs all forms. Send hc & 1 CD w/ PDF to Lucy. Send Tobrena CD w/ PDF & EDD.
SDG ID	:	CTO 426-5
SDG STATUS	:	End

Laboratory Sample ID	Client Sample Number	Collect Date/Time	Receive Date	PR	Verbal Date	Due Date	Mailed
SB5123-1	AWD-GW-MWDUP02	10-SEP-08 00:00	12-SEP-08			01-OCT-08	

Matrix		Product	Hold Date (shortest)	Bottle Type	Bottle Count	Comments
Aqueous	S	SW8015M-TPH-CT	17-SEP-08	1L N-Amber Glass	2	
Aqueous	S	SW8260-S	24-SEP-08	40mL Vial+HCl	3	

SB5123-2	AWD-GW-MW102-091008	10-SEP-08 11:30	12-SEP-08			01-OCT-08	

Matrix		Product	Hold Date (shortest)	Bottle Type	Bottle Count	Comments
Aqueous	S	SW8015M-TPH-CT	17-SEP-08	1L N-Amber Glass	2	
Aqueous	S	SW8260-S	24-SEP-08	40mL Vial+HCl	3	

SB5123-3	AWD-GW-MW101-091008	10-SEP-08 10:15	12-SEP-08			01-OCT-08	

Matrix		Product	Hold Date (shortest)	Bottle Type	Bottle Count	Comments
Aqueous	S	SW8015M-TPH-CT	17-SEP-08	1L N-Amber Glass	2	
Aqueous	S	SW8260-S	24-SEP-08	40mL Vial+HCl	3	

SB5123-4	AWD-GW-MW305-091008	10-SEP-08 16:55	12-SEP-08			01-OCT-08	

Matrix		Product	Hold Date (shortest)	Bottle Type	Bottle Count	Comments
Aqueous	S	SW8015M-TPH-CT	17-SEP-08	1L N-Amber Glass	2	
Aqueous	S	SW8260-S	24-SEP-08	40mL Vial+HCl	3	

SB5123-5	AWD-GW-MW404-091008	10-SEP-08 15:25	12-SEP-08			01-OCT-08	

Matrix		Product	Hold Date (shortest)	Bottle Type	Bottle Count	Comments
Aqueous	S	SW8015M-TPH-CT	17-SEP-08	1L N-Amber Glass	2	
Aqueous	S	SW8260-S	24-SEP-08	40mL Vial+HCl	3	

SB5123-6	AWD-GW-MW304-091008	10-SEP-08 17:55	12-SEP-08			01-OCT-08	

Matrix		Product	Hold Date (shortest)	Bottle Type	Bottle Count	Comments
Aqueous	S	SW8015M-TPH-CT	17-SEP-08	1L N-Amber Glass	2	
Aqueous	S	SW8260-S	24-SEP-08	40mL Vial+HCl	3	

SB5123-7	AWD-GW-MW402-091008	10-SEP-08 12:15	12-SEP-08			01-OCT-08	

Matrix		Product	Hold Date (shortest)	Bottle Type	Bottle Count	Comments
Aqueous	S	SW8015M-TPH-CT	17-SEP-08	1L N-Amber Glass	2	
Aqueous	S	SW8260-S	24-SEP-08	40mL Vial+HCl	3	

Katahdin
ANALYTICAL SERVICES

Katahdin Analytical Services

Login Chain of Custody Report (Ino1)

Sep. 13, 2008
11:58 AM

Login Number: SB5123

Account: TETRAT001 Web
Tetra Tech NUS, Inc.

Project: TETRAT426001

Laboratory Sample ID	Client Sample Number	Collect Date/Time	Receive Date	PR	Verbal Date	Due Date	Mailed
SB5123-8	AWD-GW-MW403-091008	10-SEP-08 14:10	12-SEP-08			01-OCT-08	

Matrix		Product	Hold Date (shortest)	Bottle Type	Bottle Count	Comments
Aqueous	S	SW8015M-TPH-CT	17-SEP-08	1L N-Amber Glass	2	
Aqueous	S	SW8260-S	24-SEP-08	40mL Vial+HCl	3	

SB5123-9	AWD-GW-MW401-091008	10-SEP-08 10:30	12-SEP-08			01-OCT-08	

Matrix		Product	Hold Date (shortest)	Bottle Type	Bottle Count	Comments
Aqueous	S	SW8015M-TPH-CT	17-SEP-08	1L N-Amber Glass	2	
Aqueous	S	SW8260-S	24-SEP-08	40mL Vial+HCl	3	

SB5123-10	AWD-GW-MW104-091008	10-SEP-08 16:30	12-SEP-08			01-OCT-08	

Matrix		Product	Hold Date (shortest)	Bottle Type	Bottle Count	Comments
Aqueous	S	SW8015M-TPH-CT	17-SEP-08	1L N-Amber Glass	2	
Aqueous	S	SW8260-S	24-SEP-08	40mL Vial+HCl	3	

SB5123-11	AWD-GW-MW103-091008	10-SEP-08 18:00	12-SEP-08			01-OCT-08	

Matrix		Product	Hold Date (shortest)	Bottle Type	Bottle Count	Comments
Aqueous	S	SW8015M-TPH-CT	17-SEP-08	1L N-Amber Glass	2	
Aqueous	S	SW8260-S	24-SEP-08	40mL Vial+HCl	3	

SB5123-12	AWD-TB-091108	11-SEP-08 09:00	12-SEP-08			01-OCT-08	

Matrix		Product	Hold Date (shortest)	Bottle Type	Bottle Count	Comments
Aqueous	S	SW8260-S	25-SEP-08	40mL Vial+HCl	2	

Total Samples: ***12*** ***Total Analyses:*** ***23***

SAMPLE DATA SUMMARY PACKAGE

KATAHDIN ANALYTICAL SERVICES - ORGANIC DATA QUALIFIERS

U Indicates the compound was analyzed for but not detected above the laboratory Practical Quantitation Limit.

* Compound recovery outside of quality control limits.

D Indicates the result was obtained from analysis of a diluted sample. Surrogate recoveries may not be calculable.

E Estimated value. This flag identifies compounds whose concentrations exceed the upper level of the calibration range of the instrument for that specific analysis.

J Estimated value. The analyte was detected in the sample at a concentration less than the laboratory Practical Quantitation Limit (PQL), but above the Method Detection Limit (MDL).

or

J Used for Pesticide/Aroclor analyte when there is a greater than 40% difference for detected concentrations between the two GC columns.

B Indicates the analyte was detected in the laboratory method blank analyzed concurrently with the sample.

N Presumptive evidence of a compound based on a mass spectral library search.

A Indicates that a tentatively identified compound is a suspected aldol-condensation product.

P Used for Pesticide/Aroclor analyte when there is a greater than 25% difference for detected concentrations between the two GC columns. (for CLP methods only).

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 09/08/08
Received Date: 09/11/08
Extraction Date:
Analysis Date: 12-SEP-2008 12:27
Report Date: 09/25/2008
Matrix: WATER
% Solids: NA

Lab ID: SB5084-1
Client ID: AWD-GW-MW201-090809
SDG: CTO426-5
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG55628
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
1634-04-4	Methyl tert-butyl ether	U	1	1.0	1	1	0.5
71-43-2	Benzene	U	1	1.0	1	1	0.3
108-88-3	Toluene	U	1	1.0	1	1	0.4
100-41-4	Ethylbenzene	U	1	1.0	1	1	0.3
1330-20-7	Xylenes (total)	U	3	1.0	3	3	0.3
	m+p-Xylenes	U	2	1.0	2	2	0.7
95-47-6	o-Xylene	U	1	1.0	1	1	0.3
98-82-8	Isopropylbenzene	U	1	1.0	1	1	0.4
91-20-3	Naphthalene	U	1	1.0	1	1	0.4
1868-53-7	Dibromofluoromethane		90%				
17060-07-0	1,2-Dichloroethane-D4		85%				
2037-26-5	Toluene-D8		90%				
460-00-4	P-Bromofluorobenzene		84%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 09/09/08
Received Date: 09/11/08
Extraction Date:
Analysis Date: 12-SEP-2008 12:58
Report Date: 09/25/2008
Matrix: WATER
% Solids: NA

Lab ID: SB5084-2
Client ID: AWD-GW-MW301-090908
SDG: CTO426-5
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG55628
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
1634-04-4	Methyl tert-butyl ether	U	1	1.0	1	1	0.5
71-43-2	Benzene	U	1	1.0	1	1	0.3
108-88-3	Toluene	U	1	1.0	1	1	0.4
100-41-4	Ethylbenzene	U	1	1.0	1	1	0.3
1330-20-7	Xylenes (total)	U	3	1.0	3	3	0.3
	m+p-Xylenes	U	2	1.0	2	2	0.7
95-47-6	o-Xylene	U	1	1.0	1	1	0.3
98-82-8	Isopropylbenzene	U	1	1.0	1	1	0.4
91-20-3	Naphthalene	U	1	1.0	1	1	0.4
1868-53-7	Dibromofluoromethane		90%				
17060-07-0	1,2-Dichloroethane-D4		84%				
2037-26-5	Toluene-D8		91%				
460-00-4	P-Bromofluorobenzene		90%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 09/08/08
Received Date: 09/11/08
Extraction Date:
Analysis Date: 12-SEP-2008 13:29
Report Date: 09/25/2008
Matrix: WATER
% Solids: NA

Lab ID: SB5084-3
Client ID: AWD-GW-DUP01
SDG: CTO426-5
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG55628
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
1634-04-4	Methyl tert-butyl ether	U	1	1.0	1	1	0.5
71-43-2	Benzene	U	1	1.0	1	1	0.3
108-88-3	Toluene		7	1.0	1	1	0.4
100-41-4	Ethylbenzene	U	1	1.0	1	1	0.3
1330-20-7	Xylenes (total)	U	3	1.0	3	3	0.3
	m+p-Xylenes	U	2	1.0	2	2	0.7
95-47-6	o-Xylene	U	1	1.0	1	1	0.3
98-82-8	Isopropylbenzene	U	1	1.0	1	1	0.4
91-20-3	Naphthalene	U	1	1.0	1	1	0.4
1868-53-7	Dibromofluoromethane		89%				
17060-07-0	1,2-Dichloroethane-D4		84%				
2037-26-5	Toluene-D8		89%				
460-00-4	P-Bromofluorobenzene		85%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 09/09/08
Received Date: 09/11/08
Extraction Date:
Analysis Date: 12-SEP-2008 14:00
Report Date: 09/25/2008
Matrix: WATER
% Solids: NA

Lab ID: SB5084-4
Client ID: AWD-GW-MW302-090908
SDG: CTO426-5
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG55628
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
1634-04-4	Methyl tert-butyl ether	U	1	1.0	1	1	0.5
71-43-2	Benzene	U	1	1.0	1	1	0.3
108-88-3	Toluene	U	1	1.0	1	1	0.4
100-41-4	Ethylbenzene	U	1	1.0	1	1	0.3
1330-20-7	Xylenes (total)	U	3	1.0	3	3	0.3
	m+p-Xylenes	U	2	1.0	2	2	0.7
95-47-6	o-Xylene	U	1	1.0	1	1	0.3
98-82-8	Isopropylbenzene	U	1	1.0	1	1	0.4
91-20-3	Naphthalene	U	1	1.0	1	1	0.4
1868-53-7	Dibromofluoromethane		88%				
17060-07-0	1,2-Dichloroethane-D4		84%				
2037-26-5	Toluene-D8		91%				
460-00-4	P-Bromofluorobenzene		86%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 09/09/08
Received Date: 09/11/08
Extraction Date:
Analysis Date: 12-SEP-2008 14:31
Report Date: 09/25/2008
Matrix: WATER
% Solids: NA

Lab ID: SB5084-5
Client ID: AWD-GW-MW303-090908
SDG: CTO426-5
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG55628
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
1634-04-4	Methyl tert-butyl ether	U	1	1.0	1	1	0.5
71-43-2	Benzene	U	1	1.0	1	1	0.3
108-88-3	Toluene	U	1	1.0	1	1	0.4
100-41-4	Ethylbenzene	J	0.4	1.0	1	1	0.3
1330-20-7	Xylenes (total)	J	0.5	1.0	3	3	0.3
	m+p-Xylenes	U	2	1.0	2	2	0.7
95-47-6	o-Xylene	J	0.5	1.0	1	1	0.3
98-82-8	Isopropylbenzene		4	1.0	1	1	0.4
91-20-3	Naphthalene		10	1.0	1	1	0.4
1868-53-7	Dibromofluoromethane		88%				
17060-07-0	1,2-Dichloroethane-D4		86%				
2037-26-5	Toluene-D8		90%				
460-00-4	P-Bromofluorobenzene		89%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 09/09/08
Received Date: 09/11/08
Extraction Date:
Analysis Date: 12-SEP-2008 15:02
Report Date: 09/25/2008
Matrix: WATER
% Solids: NA

Lab ID: SB5084-6
Client ID: AWD-SW1-090908
SDG: CTO426-5
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG55628
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
1634-04-4	Methyl tert-butyl ether	U	1	1.0	1	1	0.5
71-43-2	Benzene	U	1	1.0	1	1	0.3
108-88-3	Toluene		18	1.0	1	1	0.4
100-41-4	Ethylbenzene	U	1	1.0	1	1	0.3
1330-20-7	Xylenes (total)	U	3	1.0	3	3	0.3
	m+p-Xylenes	U	2	1.0	2	2	0.7
95-47-6	o-Xylene	U	1	1.0	1	1	0.3
98-82-8	Isopropylbenzene	U	1	1.0	1	1	0.4
91-20-3	Naphthalene	U	1	1.0	1	1	0.4
1868-53-7	Dibromofluoromethane		88%				
17060-07-0	1,2-Dichloroethane-D4		84%				
2037-26-5	Toluene-D8		88%				
460-00-4	P-Bromofluorobenzene		86%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 09/09/08
Received Date: 09/11/08
Extraction Date:
Analysis Date: 12-SEP-2008 15:33
Report Date: 09/25/2008
Matrix: WATER
% Solids: NA

Lab ID: SB5084-7
Client ID: AWD-SW-DUP01
SDG: CTO426-5
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG55628
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
1634-04-4	Methyl tert-butyl ether	U	1	1.0	1	1	0.5
71-43-2	Benzene	U	1	1.0	1	1	0.3
108-88-3	Toluene	U	1	1.0	1	1	0.4
100-41-4	Ethylbenzene	U	1	1.0	1	1	0.3
1330-20-7	Xylenes (total)	U	3	1.0	3	3	0.3
	m+p-Xylenes	U	2	1.0	2	2	0.7
95-47-6	o-Xylene	U	1	1.0	1	1	0.3
98-82-8	Isopropylbenzene	U	1	1.0	1	1	0.4
91-20-3	Naphthalene	U	1	1.0	1	1	0.4
1868-53-7	Dibromofluoromethane		86%				
17060-07-0	1,2-Dichloroethane-D4		84%				
2037-26-5	Toluene-D8		89%				
460-00-4	P-Bromofluorobenzene		82%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 09/09/08
Received Date: 09/11/08
Extraction Date:
Analysis Date: 12-SEP-2008 16:04
Report Date: 09/25/2008
Matrix: WATER
% Solids: NA

Lab ID: SB5084-8
Client ID: AWD-PZ203-090908
SDG: CTO426-5
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG55628
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
1634-04-4	Methyl tert-butyl ether	U	1	1.0	1	1	0.5
71-43-2	Benzene	U	1	1.0	1	1	0.3
108-88-3	Toluene		24	1.0	1	1	0.4
100-41-4	Ethylbenzene	U	1	1.0	1	1	0.3
1330-20-7	Xylenes (total)	U	3	1.0	3	3	0.3
	m+p-Xylenes	U	2	1.0	2	2	0.7
95-47-6	o-Xylene	U	1	1.0	1	1	0.3
98-82-8	Isopropylbenzene	U	1	1.0	1	1	0.4
91-20-3	Naphthalene	U	1	1.0	1	1	0.4
1868-53-7	Dibromofluoromethane		88%				
17060-07-0	1,2-Dichloroethane-D4		84%				
2037-26-5	Toluene-D8		88%				
460-00-4	P-Bromofluorobenzene		87%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 09/08/08
Received Date: 09/11/08
Extraction Date:
Analysis Date: 12-SEP-2008 16:36
Report Date: 09/25/2008
Matrix: WATER
% Solids: NA

Lab ID: SB5084-9
Client ID: AWD-GW-MW202-090808
SDG: CTO426-5
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG55628
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
1634-04-4	Methyl tert-butyl ether	U	1	1.0	1	1	0.5
71-43-2	Benzene	U	1	1.0	1	1	0.3
108-88-3	Toluene	U	1	1.0	1	1	0.4
100-41-4	Ethylbenzene	U	1	1.0	1	1	0.3
1330-20-7	Xylenes (total)	U	3	1.0	3	3	0.3
	m+p-Xylenes	U	2	1.0	2	2	0.7
95-47-6	o-Xylene	U	1	1.0	1	1	0.3
98-82-8	Isopropylbenzene	J	0.7	1.0	1	1	0.4
91-20-3	Naphthalene	U	1	1.0	1	1	0.4
1868-53-7	Dibromofluoromethane		86%				
17060-07-0	1,2-Dichloroethane-D4		86%				
2037-26-5	Toluene-D8		91%				
460-00-4	P-Bromofluorobenzene		88%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 09/09/08
Received Date: 09/11/08
Extraction Date:
Analysis Date: 12-SEP-2008 17:07
Report Date: 09/25/2008
Matrix: WATER
% Solids: NA

Lab ID: SB5084-10
Client ID: D-GW-MW14-090908
SDG: CTO426-5
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG55628
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
1634-04-4	Methyl tert-butyl ether	U	1	1.0	1	1	0.5
71-43-2	Benzene	U	1	1.0	1	1	0.3
108-88-3	Toluene	U	1	1.0	1	1	0.4
100-41-4	Ethylbenzene	U	1	1.0	1	1	0.3
1330-20-7	Xylenes (total)	U	3	1.0	3	3	0.3
	m+p-Xylenes	U	2	1.0	2	2	0.7
95-47-6	o-Xylene	U	1	1.0	1	1	0.3
98-82-8	Isopropylbenzene		2	1.0	1	1	0.4
91-20-3	Naphthalene	U	1	1.0	1	1	0.4
1868-53-7	Dibromofluoromethane		87%				
17060-07-0	1,2-Dichloroethane-D4		85%				
2037-26-5	Toluene-D8		87%				
460-00-4	P-Bromofluorobenzene		86%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 09/09/08
Received Date: 09/11/08
Extraction Date:
Analysis Date: 12-SEP-2008 11:55
Report Date: 09/25/2008
Matrix: WATER
% Solids: NA

Lab ID: SB5084-11
Client ID: AWD-TB-090908
SDG: CTO426-5
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG55628
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
1634-04-4	Methyl tert-butyl ether	U	1	1.0	1	1	0.5
71-43-2	Benzene	U	1	1.0	1	1	0.3
108-88-3	Toluene	U	1	1.0	1	1	0.4
100-41-4	Ethylbenzene	U	1	1.0	1	1	0.3
1330-20-7	Xylenes (total)	U	3	1.0	3	3	0.3
	m+p-Xylenes	U	2	1.0	2	2	0.7
95-47-6	o-Xylene	U	1	1.0	1	1	0.3
98-82-8	Isopropylbenzene	U	1	1.0	1	1	0.4
91-20-3	Naphthalene	U	1	1.0	1	1	0.4
1868-53-7	Dibromofluoromethane		88%				
17060-07-0	1,2-Dichloroethane-D4		84%				
2037-26-5	Toluene-D8		86%				
460-00-4	P-Bromofluorobenzene		85%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 09/10/08
Received Date: 09/12/08
Extraction Date:
Analysis Date: 15-SEP-2008 15:46
Report Date: 09/25/2008
Matrix: WATER
% Solids: NA

Lab ID: SB5123-1
Client ID: AWD-GW-MWDUP02
SDG: CTO426-5
Extracted by:
Extraction Method: SW846 5030
Analyst: TTC
Analysis Method: SW846 8260B
Lab Prep Batch: WG55717
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
1634-04-4	Methyl tert-butyl ether	U	1	1.0	1	1	0.5
71-43-2	Benzene	U	1	1.0	1	1	0.3
108-88-3	Toluene	U	1	1.0	1	1	0.4
100-41-4	Ethylbenzene	U	1	1.0	1	1	0.3
1330-20-7	Xylenes (total)	U	3	1.0	3	3	0.3
	m+p-Xylenes	U	2	1.0	2	2	0.7
95-47-6	o-Xylene	U	1	1.0	1	1	0.3
98-82-8	Isopropylbenzene	J	0.8	1.0	1	1	0.4
91-20-3	Naphthalene		5	1.0	1	1	0.4
1868-53-7	Dibromofluoromethane		86%				
17060-07-0	1,2-Dichloroethane-D4		85%				
2037-26-5	Toluene-D8		83%				
460-00-4	P-Bromofluorobenzene		109%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 09/10/08
Received Date: 09/12/08
Extraction Date:
Analysis Date: 15-SEP-2008 16:16
Report Date: 09/25/2008
Matrix: WATER
% Solids: NA

Lab ID: SB5123-2
Client ID: AWD-GW-MW102-091008
SDG: CTO426-5
Extracted by:
Extraction Method: SW846 5030
Analyst: TTC
Analysis Method: SW846 8260B
Lab Prep Batch: WG55717
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
1634-04-4	Methyl tert-butyl ether	U	1	1.0	1	1	0.5
71-43-2	Benzene	U	1	1.0	1	1	0.3
108-88-3	Toluene	U	1	1.0	1	1	0.4
100-41-4	Ethylbenzene	U	1	1.0	1	1	0.3
1330-20-7	Xylenes (total)	U	3	1.0	3	3	0.3
	m+p-Xylenes	U	2	1.0	2	2	0.7
95-47-6	o-Xylene	U	1	1.0	1	1	0.3
98-82-8	Isopropylbenzene		1	1.0	1	1	0.4
91-20-3	Naphthalene		7	1.0	1	1	0.4
1868-53-7	Dibromofluoromethane		88%				
17060-07-0	1,2-Dichloroethane-D4		86%				
2037-26-5	Toluene-D8		86%				
460-00-4	P-Bromofluorobenzene		106%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 09/10/08
Received Date: 09/12/08
Extraction Date:
Analysis Date: 15-SEP-2008 16:47
Report Date: 09/25/2008
Matrix: WATER
% Solids: NA

Lab ID: SB5123-3
Client ID: AWD-GW-MW101-091008
SDG: CTO426-5
Extracted by:
Extraction Method: SW846 5030
Analyst: TTC
Analysis Method: SW846 8260B
Lab Prep Batch: WG55717
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
1634-04-4	Methyl tert-butyl ether	U	1	1.0	1	1	0.5
71-43-2	Benzene	U	1	1.0	1	1	0.3
108-88-3	Toluene	U	1	1.0	1	1	0.4
100-41-4	Ethylbenzene	U	1	1.0	1	1	0.3
1330-20-7	Xylenes (total)	U	3	1.0	3	3	0.3
	m+p-Xylenes	U	2	1.0	2	2	0.7
95-47-6	o-Xylene	U	1	1.0	1	1	0.3
98-82-8	Isopropylbenzene	U	1	1.0	1	1	0.4
91-20-3	Naphthalene	U	1	1.0	1	1	0.4
1868-53-7	Dibromofluoromethane		85%				
17060-07-0	1,2-Dichloroethane-D4		85%				
2037-26-5	Toluene-D8		88%				
460-00-4	P-Bromofluorobenzene		105%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 09/10/08
Received Date: 09/12/08
Extraction Date:
Analysis Date: 15-SEP-2008 17:18
Report Date: 09/25/2008
Matrix: WATER
% Solids: NA

Lab ID: SB5123-4
Client ID: AWD-GW-MW305-091008
SDG: CTO426-5
Extracted by:
Extraction Method: SW846 5030
Analyst: TTC
Analysis Method: SW846 8260B
Lab Prep Batch: WG55717
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
1634-04-4	Methyl tert-butyl ether	U	1	1.0	1	1	0.5
71-43-2	Benzene	U	1	1.0	1	1	0.3
108-88-3	Toluene	U	1	1.0	1	1	0.4
100-41-4	Ethylbenzene	U	1	1.0	1	1	0.3
1330-20-7	Xylenes (total)	U	3	1.0	3	3	0.3
	m+p-Xylenes	U	2	1.0	2	2	0.7
95-47-6	o-Xylene	U	1	1.0	1	1	0.3
98-82-8	Isopropylbenzene	U	1	1.0	1	1	0.4
91-20-3	Naphthalene	U	1	1.0	1	1	0.4
1868-53-7	Dibromofluoromethane		86%				
17060-07-0	1,2-Dichloroethane-D4		85%				
2037-26-5	Toluene-D8		88%				
460-00-4	P-Bromofluorobenzene		105%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 09/10/08
Received Date: 09/12/08
Extraction Date:
Analysis Date: 15-SEP-2008 17:49
Report Date: 09/25/2008
Matrix: WATER
% Solids: NA

Lab ID: SB5123-5
Client ID: AWD-GW-MW404-091008
SDG: CTO426-5
Extracted by:
Extraction Method: SW846 5030
Analyst: TTC
Analysis Method: SW846 8260B
Lab Prep Batch: WG55717
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
1634-04-4	Methyl tert-butyl ether	U	1	1.0	1	1	0.5
71-43-2	Benzene	U	1	1.0	1	1	0.3
108-88-3	Toluene	U	1	1.0	1	1	0.4
100-41-4	Ethylbenzene	U	1	1.0	1	1	0.3
1330-20-7	Xylenes (total)	U	3	1.0	3	3	0.3
	m+p-Xylenes	U	2	1.0	2	2	0.7
95-47-6	o-Xylene	U	1	1.0	1	1	0.3
98-82-8	Isopropylbenzene	U	1	1.0	1	1	0.4
91-20-3	Naphthalene	U	1	1.0	1	1	0.4
1868-53-7	Dibromofluoromethane		86%				
17060-07-0	1,2-Dichloroethane-D4		88%				
2037-26-5	Toluene-D8		88%				
460-00-4	P-Bromofluorobenzene		109%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 09/10/08
Received Date: 09/12/08
Extraction Date:
Analysis Date: 15-SEP-2008 18:20
Report Date: 09/25/2008
Matrix: WATER
% Solids: NA

Lab ID: SB5123-6
Client ID: AWD-GW-MW304-091008
SDG: CTO426-5
Extracted by:
Extraction Method: SW846 5030
Analyst: TTC
Analysis Method: SW846 8260B
Lab Prep Batch: WG55717
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
1634-04-4	Methyl tert-butyl ether	U	1	1.0	1	1	0.5
71-43-2	Benzene	U	1	1.0	1	1	0.3
108-88-3	Toluene	U	1	1.0	1	1	0.4
100-41-4	Ethylbenzene	U	1	1.0	1	1	0.3
1330-20-7	Xylenes (total)	U	3	1.0	3	3	0.3
	m+p-Xylenes	U	2	1.0	2	2	0.7
95-47-6	o-Xylene	U	1	1.0	1	1	0.3
98-82-8	Isopropylbenzene	J	0.4	1.0	1	1	0.4
91-20-3	Naphthalene	U	1	1.0	1	1	0.4
1868-53-7	Dibromofluoromethane		84%				
17060-07-0	1,2-Dichloroethane-D4		88%				
2037-26-5	Toluene-D8		80%				
460-00-4	P-Bromofluorobenzene		106%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 09/10/08
Received Date: 09/12/08
Extraction Date:
Analysis Date: 15-SEP-2008 18:52
Report Date: 09/25/2008
Matrix: WATER
% Solids: NA

Lab ID: SB5123-7
Client ID: AWD-GW-MW402-091008
SDG: CTO426-5
Extracted by:
Extraction Method: SW846 5030
Analyst: TTC
Analysis Method: SW846 8260B
Lab Prep Batch: WG55717
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
1634-04-4	Methyl tert-butyl ether	U	1	1.0	1	1	0.5
71-43-2	Benzene	U	1	1.0	1	1	0.3
108-88-3	Toluene	U	1	1.0	1	1	0.4
100-41-4	Ethylbenzene		1	1.0	1	1	0.3
1330-20-7	Xylenes (total)	J	0.3	1.0	3	3	0.3
	m+p-Xylenes	U	2	1.0	2	2	0.7
95-47-6	o-Xylene	J	0.3	1.0	1	1	0.3
98-82-8	Isopropylbenzene		2	1.0	1	1	0.4
91-20-3	Naphthalene		14	1.0	1	1	0.4
1868-53-7	Dibromofluoromethane		90%				
17060-07-0	1,2-Dichloroethane-D4		92%				
2037-26-5	Toluene-D8		82%				
460-00-4	P-Bromofluorobenzene		101%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 09/10/08
Received Date: 09/12/08
Extraction Date:
Analysis Date: 15-SEP-2008 19:24
Report Date: 09/25/2008
Matrix: WATER
% Solids: NA

Lab ID: SB5123-8
Client ID: AWD-GW-MW403-091008
SDG: CTO426-5
Extracted by:
Extraction Method: SW846 5030
Analyst: TTC
Analysis Method: SW846 8260B
Lab Prep Batch: WG55717
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
1634-04-4	Methyl tert-butyl ether	U	1	1.0	1	1	0.5
71-43-2	Benzene	U	1	1.0	1	1	0.3
108-88-3	Toluene		2	1.0	1	1	0.4
100-41-4	Ethylbenzene	U	1	1.0	1	1	0.3
1330-20-7	Xylenes (total)	U	3	1.0	3	3	0.3
	m+p-Xylenes	U	2	1.0	2	2	0.7
95-47-6	o-Xylene	U	1	1.0	1	1	0.3
98-82-8	Isopropylbenzene	U	1	1.0	1	1	0.4
91-20-3	Naphthalene		1	1.0	1	1	0.4
1868-53-7	Dibromofluoromethane		84%				
17060-07-0	1,2-Dichloroethane-D4		86%				
2037-26-5	Toluene-D8		83%				
460-00-4	P-Bromofluorobenzene		107%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 09/10/08
Received Date: 09/12/08
Extraction Date:
Analysis Date: 15-SEP-2008 19:56
Report Date: 09/25/2008
Matrix: WATER
% Solids: NA

Lab ID: SB5123-9
Client ID: AWD-GW-MW401-091008
SDG: CTO426-5
Extracted by:
Extraction Method: SW846 5030
Analyst: TTC
Analysis Method: SW846 8260B
Lab Prep Batch: WG55717
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
1634-04-4	Methyl tert-butyl ether	U	1	1.0	1	1	0.5
71-43-2	Benzene	U	1	1.0	1	1	0.3
108-88-3	Toluene	U	1	1.0	1	1	0.4
100-41-4	Ethylbenzene	U	1	1.0	1	1	0.3
1330-20-7	Xylenes (total)	U	3	1.0	3	3	0.3
	m+p-Xylenes	U	2	1.0	2	2	0.7
95-47-6	o-Xylene	U	1	1.0	1	1	0.3
98-82-8	Isopropylbenzene	U	1	1.0	1	1	0.4
91-20-3	Naphthalene	U	1	1.0	1	1	0.4
1868-53-7	Dibromofluoromethane		87%				
17060-07-0	1,2-Dichloroethane-D4		88%				
2037-26-5	Toluene-D8		86%				
460-00-4	P-Bromofluorobenzene		107%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 09/10/08
Received Date: 09/12/08
Extraction Date:
Analysis Date: 15-SEP-2008 20:27
Report Date: 09/25/2008
Matrix: WATER
% Solids: NA

Lab ID: SB5123-10
Client ID: AWD-GW-MW104-091008
SDG: CTO426-5
Extracted by:
Extraction Method: SW846 5030
Analyst: TTC
Analysis Method: SW846 8260B
Lab Prep Batch: WG55717
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
1634-04-4	Methyl tert-butyl ether	U	1	1.0	1	1	0.5
71-43-2	Benzene	U	1	1.0	1	1	0.3
108-88-3	Toluene	U	1	1.0	1	1	0.4
100-41-4	Ethylbenzene	U	1	1.0	1	1	0.3
1330-20-7	Xylenes (total)	U	3	1.0	3	3	0.3
	m+p-Xylenes	U	2	1.0	2	2	0.7
95-47-6	o-Xylene	U	1	1.0	1	1	0.3
98-82-8	Isopropylbenzene	U	1	1.0	1	1	0.4
91-20-3	Naphthalene	U	1	1.0	1	1	0.4
1868-53-7	Dibromofluoromethane		86%				
17060-07-0	1,2-Dichloroethane-D4		88%				
2037-26-5	Toluene-D8		83%				
460-00-4	P-Bromofluorobenzene		105%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 09/10/08
Received Date: 09/12/08
Extraction Date:
Analysis Date: 16-SEP-2008 13:16
Report Date: 09/25/2008
Matrix: WATER
% Solids: NA

Lab ID: SB5123-11RA
Client ID: AWD-GW-MW103-091008
SDG: CTO426-5
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG55748
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
1634-04-4	Methyl tert-butyl ether	U	1	1.0	1	1	0.5
71-43-2	Benzene	U	1	1.0	1	1	0.3
108-88-3	Toluene	U	1	1.0	1	1	0.4
100-41-4	Ethylbenzene	U	1	1.0	1	1	0.3
1330-20-7	Xylenes (total)	U	3	1.0	3	3	0.3
	m+p-Xylenes	U	2	1.0	2	2	0.7
95-47-6	o-Xylene	U	1	1.0	1	1	0.3
98-82-8	Isopropylbenzene	U	1	1.0	1	1	0.4
91-20-3	Naphthalene	U	1	1.0	1	1	0.4
1868-53-7	Dibromofluoromethane		86%				
17060-07-0	1,2-Dichloroethane-D4		83%				
2037-26-5	Toluene-D8		90%				
460-00-4	P-Bromofluorobenzene		85%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 09/11/08
Received Date: 09/12/08
Extraction Date:
Analysis Date: 15-SEP-2008 15:15
Report Date: 09/25/2008
Matrix: WATER
% Solids: NA

Lab ID: SB5123-12
Client ID: AWD-TB-091108
SDG: CTO426-5
Extracted by:
Extraction Method: SW846 5030
Analyst: TTC
Analysis Method: SW846 8260B
Lab Prep Batch: WG55717
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
1634-04-4	Methyl tert-butyl ether	U	1	1.0	1	1	0.5
71-43-2	Benzene	U	1	1.0	1	1	0.3
108-88-3	Toluene	U	1	1.0	1	1	0.4
100-41-4	Ethylbenzene	U	1	1.0	1	1	0.3
1330-20-7	Xylenes (total)	U	3	1.0	3	3	0.3
	m+p-Xylenes	U	2	1.0	2	2	0.7
95-47-6	o-Xylene	U	1	1.0	1	1	0.3
98-82-8	Isopropylbenzene	U	1	1.0	1	1	0.4
91-20-3	Naphthalene	U	1	1.0	1	1	0.4
1868-53-7	Dibromofluoromethane		83%				
17060-07-0	1,2-Dichloroethane-D4		85%				
2037-26-5	Toluene-D8		81%				
460-00-4	P-Bromofluorobenzene		102%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client:
Project: CTO 426 NLON
PO No:
Sample Date:
Received Date:
Extraction Date:
Analysis Date: 15-SEP-2008 14:32
Report Date: 09/25/2008
Matrix: WATER
% Solids: NA

Lab ID: WG55717-2
Client ID: WG55717-Blank
SDG: CTO426-5
Extracted by:
Extraction Method: SW846 5030
Analyst: TTC
Analysis Method: SW846 8260B
Lab Prep Batch: WG55717
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
1634-04-4	Methyl tert-butyl ether	U	1	1.0	1	1	0.5
71-43-2	Benzene	U	1	1.0	1	1	0.3
108-88-3	Toluene	U	1	1.0	1	1	0.4
100-41-4	Ethylbenzene	U	1	1.0	1	1	0.3
1330-20-7	Xylenes (total)	U	3	1.0	3	3	0.3
	m+p-Xylenes	U	2	1.0	2	2	0.7
95-47-6	o-Xylene	U	1	1.0	1	1	0.3
98-82-8	Isopropylbenzene	U	1	1.0	1	1	0.4
91-20-3	Naphthalene	U	1	1.0	1	1	0.4
1868-53-7	Dibromofluoromethane		87%				
17060-07-0	1,2-Dichloroethane-D4		84%				
2037-26-5	Toluene-D8		87%				
460-00-4	P-Bromofluorobenzene		104%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client:
Project: CTO 426 NLON
PO No:
Sample Date:
Received Date:
Extraction Date:
Analysis Date: 12-SEP-2008 10:43
Report Date: 09/25/2008
Matrix: WATER
% Solids: NA

Lab ID: WG55628-2
Client ID: WG55628-Blank
SDG: CTO426-5
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG55628
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
1634-04-4	Methyl tert-butyl ether	U	1	1.0	1	1	0.5
71-43-2	Benzene	U	1	1.0	1	1	0.3
108-88-3	Toluene	U	1	1.0	1	1	0.4
100-41-4	Ethylbenzene	U	1	1.0	1	1	0.3
1330-20-7	Xylenes (total)	U	3	1.0	3	3	0.3
	m+p-Xylenes	U	2	1.0	2	2	0.7
95-47-6	o-Xylene	U	1	1.0	1	1	0.3
98-82-8	Isopropylbenzene	U	1	1.0	1	1	0.4
91-20-3	Naphthalene	U	1	1.0	1	1	0.4
1868-53-7	Dibromofluoromethane		88%				
17060-07-0	1,2-Dichloroethane-D4		85%				
2037-26-5	Toluene-D8		90%				
460-00-4	P-Bromofluorobenzene		88%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client:
Project: CTO 426 NLON
PO No:
Sample Date:
Received Date:
Extraction Date:
Analysis Date: 16-SEP-2008 11:43
Report Date: 09/25/2008
Matrix: WATER
% Solids: NA

Lab ID: WG55748-2
Client ID: WG55748-Blank
SDG: CTO426-5
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG55748
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
1634-04-4	Methyl tert-butyl ether	U	1	1.0	1	1	0.5
71-43-2	Benzene	U	1	1.0	1	1	0.3
108-88-3	Toluene	U	1	1.0	1	1	0.4
100-41-4	Ethylbenzene	U	1	1.0	1	1	0.3
1330-20-7	Xylenes (total)	U	3	1.0	3	3	0.3
	m+p-Xylenes	U	2	1.0	2	2	0.7
95-47-6	o-Xylene	U	1	1.0	1	1	0.3
98-82-8	Isopropylbenzene	U	1	1.0	1	1	0.4
91-20-3	Naphthalene	U	1	1.0	1	1	0.4
1868-53-7	Dibromofluoromethane		88%				
17060-07-0	1,2-Dichloroethane-D4		81%				
2037-26-5	Toluene-D8		88%				
460-00-4	P-Bromofluorobenzene		85%				

FORM 2
WATER VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 426 NLON SDG No.: CTO426-5

	CLIENT SAMPLE ID	LAB SAMPLE ID	SMC1 DBF#	SMC2 DCA#	SMC3 TOL#	SMC4 BFB#	TOT OUT
01	WG55628-LCS	WG55628-1	92	84	87	85	0
02	WG55628-BLANK	WG55628-2	88	85	90	88	0
03	AWD-TB-090908	SB5084-11	88	84	86	85	0
04	AWD-GW-MW201-090809	SB5084-1	90	85	90	84	0
05	AWD-GW-MW301-090908	SB5084-2	90	84	91	90	0
06	AWD-GW-DUP01	SB5084-3	89	84	89	85	0
07	AWD-GW-MW302-090908	SB5084-4	88	84	91	86	0
08	AWD-GW-MW303-090908	SB5084-5	88	86	90	89	0
09	AWD-SW1-090908	SB5084-6	88	84	88	86	0
10	AWD-SW-DUP01	SB5084-7	86	84	89	82	0
11	AWD-PZ203-090908	SB5084-8	88	84	88	87	0
12	AWD-GW-MW202-090808	SB5084-9	86	86	91	88	0
13	D-GW-MW14-090908	SB5084-10	87	85	87	86	0
14	D-GW-MW14-090908MS	WG55628-3	90	84	90	85	0
15	D-GW-MW14-090908MSD	WG55628-4	89	85	93	87	0
16	WG55717-LCS	WG55717-1	79	77	80	106	0
17	WG55717-BLANK	WG55717-2	87	84	87	104	0
18	AWD-TB-091108	SB5123-12	83	85	81	102	0
19	AWD-GW-MWDUP02	SB5123-1	86	85	83	109	0
20	AWD-GW-MW102-091008	SB5123-2	88	86	86	106	0
21	AWD-GW-MW101-091008	SB5123-3	85	85	88	105	0
22	AWD-GW-MW305-091008	SB5123-4	86	85	88	105	0
23	AWD-GW-MW404-091008	SB5123-5	86	88	88	109	0
24	AWD-GW-MW304-091008	SB5123-6	84	88	80	106	0
25	AWD-GW-MW402-091008	SB5123-7	90	92	82	101	0
26	AWD-GW-MW403-091008	SB5123-8	84	86	83	107	0
27	AWD-GW-MW401-091008	SB5123-9	87	88	86	107	0
28	AWD-GW-MW104-091008	SB5123-10	86	88	83	105	0

		QC LIMITS
SMC1 (DBF)	= Dibromofluoromethane	(79-110)
SMC2 (DCA)	= 1,2-Dichloroethane-D4	(72-117)
SMC3 (TOL)	= Toluene-D8	(74-113)
SMC4 (BFB)	= P-Bromofluorobenzene	(73-110)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D System Monitoring Compound diluted out

FORM 2
WATER VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 426 NLON SDG No.: CTO426-5

	CLIENT SAMPLE ID	LAB SAMPLE ID	SMC1 DBF#	SMC2 DCA#	SMC3 TOL#	SMC4 BFB#	TOT OUT
01	WG55748-LCS	WG55748-1	89	82	89	86	0
02	WG55748-BLANK	WG55748-2	88	81	88	85	0
03	AWD-GW-MW103-091008	SB5123-11RA	86	83	90	85	0
04							
05							
06							
07							
08							
09							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							
23							
24							
25							
26							
27							
28							

		QC LIMITS
SMC1 (DBF)	= Dibromofluoromethane	(79-110)
SMC2 (DCA)	= 1,2-Dichloroethane-D4	(72-117)
SMC3 (TOL)	= Toluene-D8	(74-113)
SMC4 (BFB)	= P-Bromofluorobenzene	(73-110)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D System Monitoring Compound diluted out

KATAHDIN ANALYTICAL SERVICES
LAB CONTROL SAMPLE

Client:
Project: CTO 426 NLON
PO No:
Sample Date:
Received Date:
Extraction Date:
Analysis Date: 09/15/08
Report Date: 09/25/2008
Matrix: WATER

Lab ID: WG55717-1
Client ID: WG55717-LCS
SDG: CTO426-5
Extracted by:
Extraction Method: SW846 5030
Analyst: TTC
Analysis Method: SW846 8260B
Lab Prep Batch: WG55717
Units: ug/l

COMPOUND	LCS SPIKE	SAMPLE CONC.	LCS CONC.		%REC.	QC. LIMITS
Dichlorodifluoromethane	50	NA	62		124	40-192
Chloromethane	50	NA	43		86	47-151
Vinyl chloride	50	NA	47		94	63-141
Bromomethane	50	NA	48		96	41-169
Chloroethane	50	NA	47		93	57-145
Trichlorofluoromethane	50	NA	63		126	85-164
Diethyl Ether	50	NA	50		99	74-132
Tertiary-butyl alcohol	250	NA	54	*	21	30-162
1,1-Dichloroethene	50	NA	50		101	79-126
Carbon Disulfide	50	NA	54		109	72-127
Freon-113	50	NA	47		93	78-132
Iodomethane	50	NA	54		107	54-181
Acrolein	250	NA	224		90	67-125
Methylene Chloride	50	NA	43		86	70-120
Acetone	50	NA	22	*	44	54-134
Isobutyl Alcohol	1000	NA	66	*	7	28-157
trans-1,2-Dichloroethene	50	NA	48		95	76-127
Allyl Chloride	50	NA	44		88	62-141
Methyl tert-butyl ether	100	NA	100		100	78-136
Acetonitrile	500	NA	200	*	40	47-143
Di-isopropyl ether	50	NA	41		82	72-129
Chloroprene	50	NA	45		91	74-132
Methacrylonitrile	500	NA	428		86	67-138
Propionitrile	500	NA	428		86	61-136
1,1-Dichloroethane	50	NA	50		99	80-126
Acrylonitrile	250	NA	214		86	63-135
Ethyl tertiary-butyl ether	50	NA	47		94	79-124
Vinyl Acetate	50	NA	47		94	68-135
cis-1,2-Dichloroethene	50	NA	47		94	80-116
1,2-Dichloroethylene (total)	100	NA	95		95	79-121
Methyl Methacrylate	50	NA	46		93	70-133
2,2-Dichloropropane	50	NA	53		107	66-150
Bromochloromethane	50	NA	54		108	90-131
Chloroform	50	NA	49		97	86-124
Carbon Tetrachloride	50	NA	59		119	73-146
Tetrahydrofuran	50	NA	36		72	66-120
1,1,1-Trichloroethane	50	NA	55		111	88-125
1,1-Dichloropropene	50	NA	47		94	84-123
2-Butanone	50	NA	43		86	59-125
Benzene	50	NA	47		94	88-115
Cyclohexane	50	NA	39		79	60-150
Ethyl Methacrylate	50	NA	49		98	76-121
Tertiary-amyl methyl ether	50	NA	46		91	80-122
1,2-Dichloroethane	50	NA	56		111	82-125
Trichloroethene	50	NA	49		97	84-115

KATAHDIN ANALYTICAL SERVICES
LAB CONTROL SAMPLE

Client:
Project: CTO 426 NLON
PO No:
Sample Date:
Received Date:
Extraction Date:
Analysis Date: 09/15/08
Report Date: 09/25/2008
Matrix: WATER

Lab ID: WG55717-1
Client ID: WG55717-LCS
SDG: CTO426-5
Extracted by:
Extraction Method: SW846 5030
Analyst: TTC
Analysis Method: SW846 8260B
Lab Prep Batch: WG55717
Units: ug/l

COMPOUND	LCS SPIKE	SAMPLE CONC.	LCS CONC.	%REC.	QC. LIMITS
Dibromomethane	50	NA	56	111	83-121
1,2-Dichloropropane	50	NA	45	90	79-121
Bromodichloromethane	50	NA	53	106	89-113
cis-1,3-dichloropropene	50	NA	50	100	87-118
1,4-Dioxane	1000	NA	221	22	10-156
2-Chloroethylvinylether	50	NA	47	95	30-177
Toluene	50	NA	48	96	87-119
4-methyl-2-pentanone	50	NA	44	89	70-123
Tetrachloroethene	50	NA	47	94	58-147
trans-1,3-Dichloropropene	50	NA	57	114	90-137
1,1,2-Trichloroethane	50	NA	49	98	80-115
Dibromochloromethane	50	NA	50	99	84-122
1,3-Dichloropropane	50	NA	47	95	76-118
1,2-Dibromoethane	50	NA	54	109	83-116
2-Hexanone	50	NA	47	93	66-121
Chlorobenzene	50	NA	48	97	88-112
Ethylbenzene	50	NA	48	96	86-116
1,1,1,2-Tetrachloroethane	50	NA	52	104	83-118
Xylenes (total)	150	NA	142	95	84-120
m+p-Xylenes	100	NA	94	94	83-122
o-Xylene	50	NA	47	94	82-119
Styrene	50	NA	52	103	85-116
Bromoform	50	NA	50	100	78-127
Isopropylbenzene	50	NA	49	98	90-132
cis-1,4-Dichloro-2-Butene	50	NA	42	84	70-126
trans-1,4-Dichloro-2-Butene	50	NA	45	91	69-132
Bromobenzene	50	NA	45	89	87-113
N-Propylbenzene	50	NA	46	91	84-121
1,1,2,2-Tetrachloroethane	50	NA	44	88	72-119
1,3,5-Trimethylbenzene	50	NA	47	94	84-121
2-Chlorotoluene	50	NA	46	91	85-114
1,2,3-Trichloropropane	50	NA	45	89	74-114
4-Chlorotoluene	50	NA	47	95	81-120
tert-Butylbenzene	50	NA	46	91	73-132
Pentachloroethane	50	NA	43	87	32-163
1,2,4-Trimethylbenzene	50	NA	46	93	80-116
P-Isopropyltoluene	50	NA	48	95	82-125
1,3-Dichlorobenzene	50	NA	47	93	82-118
1,4-Dichlorobenzene	50	NA	47	93	83-113
N-Butylbenzene	50	NA	43	87	72-128
sec-Butylbenzene	50	NA	44	87	83-120
1,2-Dichlorobenzene	50	NA	45	91	83-116
1,2-Dibromo-3-Chloropropane	50	NA	49	98	69-121
1,3,5-Trichlorobenzene	50	NA	43	87	80-123
Hexachlorobutadiene	50	NA	42	85	61-124

KATAHDIN ANALYTICAL SERVICES
LAB CONTROL SAMPLE

Client:
Project: CTO 426 NLON
PO No:
Sample Date:
Received Date:
Extraction Date:
Analysis Date: 09/15/08
Report Date: 09/25/2008
Matrix: WATER

Lab ID: WG55717-1
Client ID: WG55717-LCS
SDG: CTO426-5
Extracted by:
Extraction Method: SW846 5030
Analyst: TTC
Analysis Method: SW846 8260B
Lab Prep Batch: WG55717
Units: ug/l

COMPOUND	LCS SPIKE	SAMPLE CONC.	LCS CONC.		%REC.	QC. LIMITS
1,2,4-Trichlorobenzene	50	NA	46		93	71-127
1,2,3-Trimethylbenzene	50	NA	42	*	84	89-115
Naphthalene	50	NA	41		82	57-132
1,2,3-Trichlorobenzene	50	NA	45		90	62-124
Methyl Acetate	50	NA	41		82	62-137
Methylcyclohexane	50	NA	40		80	74-128
1-Chlorohexane	50	NA	36	*	71	84-118
Total Alkylbenzenes	350	NA	320		91	60-140

KATAHDIN ANALYTICAL SERVICES
LAB CONTROL SAMPLE

Client:
Project: CTO 426 NLON
PO No:
Sample Date:
Received Date:
Extraction Date:
Analysis Date: 09/12/08
Report Date: 09/25/2008
Matrix: WATER

Lab ID: WG55628-1
Client ID: WG55628-LCS
SDG: CTO426-5
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG55628
Units: ug/l

COMPOUND	LCS SPIKE	SAMPLE CONC.	LCS CONC.	%REC.	QC. LIMITS
Dichlorodifluoromethane	50	NA	56	112	40-192
Chloromethane	50	NA	49	98	47-151
Vinyl chloride	50	NA	54	108	63-141
Bromomethane	50	NA	53	106	41-169
Chloroethane	50	NA	48	96	57-145
Trichlorofluoromethane	50	NA	58	117	85-164
Diethyl Ether	50	NA	52	105	74-132
Tertiary-butyl alcohol	250	NA	297	119	30-162
1,1-Dichloroethene	50	NA	54	107	79-126
Carbon Disulfide	50	NA	57	114	72-127
Freon-113	50	NA	58	116	78-132
Iodomethane	50	NA	56	112	54-181
Acrolein	250	NA	272	109	67-125
Methylene Chloride	50	NA	48	95	70-120
Acetone	50	NA	48	97	54-134
Isobutyl Alcohol	1000	NA	1130	113	28-157
trans-1,2-Dichloroethene	50	NA	51	101	76-127
Allyl Chloride	50	NA	49	98	62-141
Methyl tert-butyl ether	100	NA	105	105	78-136
Acetonitrile	500	NA	498	100	47-143
Di-isopropyl ether	50	NA	46	93	72-129
Chloroprene	50	NA	50	99	74-132
Methacrylonitrile	500	NA	520	104	67-138
Propionitrile	500	NA	537	107	61-136
1,1-Dichloroethane	50	NA	51	103	80-126
Acrylonitrile	250	NA	269	108	63-135
Ethyl tertiary-butyl ether	50	NA	53	106	79-124
Vinyl Acetate	50	NA	46	92	68-135
cis-1,2-Dichloroethene	50	NA	50	100	80-116
1,2-Dichloroethylene (total)	100	NA	101	101	79-121
Methyl Methacrylate	50	NA	49	98	70-133
2,2-Dichloropropane	50	NA	53	106	66-150
Bromochloromethane	50	NA	56	112	90-131
Chloroform	50	NA	50	100	86-124
Carbon Tetrachloride	50	NA	53	105	73-146
Tetrahydrofuran	50	NA	48	95	66-120
1,1,1-Trichloroethane	50	NA	53	106	88-125
1,1-Dichloropropene	50	NA	50	100	84-123
2-Butanone	50	NA	49	97	59-125
Benzene	50	NA	47	95	88-115
Cyclohexane	50	NA	52	104	60-150
Ethyl Methacrylate	50	NA	51	101	76-121
Tertiary-amyl methyl ether	50	NA	51	102	80-122
1,2-Dichloroethane	50	NA	47	93	82-125
Trichloroethene	50	NA	48	96	84-115

KATAHDIN ANALYTICAL SERVICES
LAB CONTROL SAMPLE

Client:
Project: CTO 426 NLON
PO No:
Sample Date:
Received Date:
Extraction Date:
Analysis Date: 09/12/08
Report Date: 09/25/2008
Matrix: WATER

Lab ID: WG55628-1
Client ID: WG55628-LCS
SDG: CTO426-5
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG55628
Units: ug/l

COMPOUND	LCS SPIKE	SAMPLE CONC.	LCS CONC.	%REC.	QC. LIMITS
Dibromomethane	50	NA	50	101	83-121
1,2-Dichloropropane	50	NA	47	94	79-121
Bromodichloromethane	50	NA	49	97	89-113
cis-1,3-dichloropropene	50	NA	49	99	87-118
1,4-Dioxane	1000	NA	783	78	10-156
2-Chloroethylvinylether	50	NA	48	96	30-177
Toluene	50	NA	48	96	87-119
4-methyl-2-pentanone	50	NA	48	96	70-123
Tetrachloroethene	50	NA	53	107	58-147
trans-1,3-Dichloropropene	50	NA	55	109	90-137
1,1,2-Trichloroethane	50	NA	47	95	80-115
Dibromochloromethane	50	NA	52	105	84-122
1,3-Dichloropropane	50	NA	48	96	76-118
1,2-Dibromoethane	50	NA	50	100	83-116
2-Hexanone	50	NA	53	106	66-121
Chlorobenzene	50	NA	49	98	88-112
Ethylbenzene	50	NA	50	99	86-116
1,1,1,2-Tetrachloroethane	50	NA	49	99	83-118
Xylenes (total)	150	NA	154	103	84-120
m+p-Xylenes	100	NA	104	104	83-122
o-Xylene	50	NA	50	100	82-119
Styrene	50	NA	51	102	85-116
Bromoform	50	NA	53	106	78-127
Isopropylbenzene	50	NA	53	105	90-132
cis-1,4-Dichloro-2-Butene	50	NA	41	82	70-126
trans-1,4-Dichloro-2-Butene	50	NA	50	99	69-132
Bromobenzene	50	NA	48	96	87-113
N-Propylbenzene	50	NA	48	97	84-121
1,1,2,2-Tetrachloroethane	50	NA	48	96	72-119
1,3,5-Trimethylbenzene	50	NA	49	99	84-121
2-Chlorotoluene	50	NA	48	96	85-114
1,2,3-Trichloropropane	50	NA	48	96	74-114
4-Chlorotoluene	50	NA	49	98	81-120
tert-Butylbenzene	50	NA	49	97	73-132
Pentachloroethane	50	NA	48	97	32-163
1,2,4-Trimethylbenzene	50	NA	47	93	80-116
P-Isopropyltoluene	50	NA	51	102	82-125
1,3-Dichlorobenzene	50	NA	48	97	82-118
1,4-Dichlorobenzene	50	NA	50	100	83-113
N-Butylbenzene	50	NA	49	97	72-128
sec-Butylbenzene	50	NA	51	101	83-120
1,2-Dichlorobenzene	50	NA	47	95	83-116
1,2-Dibromo-3-Chloropropane	50	NA	50	101	69-121
1,3,5-Trichlorobenzene	50	NA	49	98	80-123
Hexachlorobutadiene	50	NA	45	91	61-124

KATAHDIN ANALYTICAL SERVICES
LAB CONTROL SAMPLE

Client:
Project: CTO 426 NLON
PO No:
Sample Date:
Received Date:
Extraction Date:
Analysis Date: 09/12/08
Report Date: 09/25/2008
Matrix: WATER

Lab ID: WG55628-1
Client ID: WG55628-LCS
SDG: CTO426-5
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG55628
Units: ug/l

COMPOUND	LCS SPIKE	SAMPLE CONC.	LCS CONC.	%REC.	QC. LIMITS
1,2,4-Trichlorobenzene	50	NA	48	96	71-127
1,2,3-Trimethylbenzene	50	NA	50	100	89-115
Naphthalene	50	NA	48	95	57-132
1,2,3-Trichlorobenzene	50	NA	48	96	62-124
Methyl Acetate	50	NA	52	104	62-137
Methylcyclohexane	50	NA	57	115	74-128
1-Chlorohexane	50	NA	50	100	84-118
Total Alkylbenzenes	350	NA	344	98	60-140

KATAHDIN ANALYTICAL SERVICES
LAB CONTROL SAMPLE

Client:
Project: CTO 426 NLON
PO No:
Sample Date:
Received Date:
Extraction Date:
Analysis Date: 09/16/08
Report Date: 09/25/2008
Matrix: WATER

Lab ID: WG55748-1
Client ID: WG55748-LCS
SDG: CTO426-5
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG55748
Units: ug/l

COMPOUND	LCS SPIKE	SAMPLE CONC.	LCS CONC.	%REC.	QC. LIMITS
Dichlorodifluoromethane	50	NA	47	93	40-192
Chloromethane	50	NA	43	85	47-151
Vinyl chloride	50	NA	48	95	63-141
Bromomethane	50	NA	56	113	41-169
Chloroethane	50	NA	45	90	57-145
Trichlorofluoromethane	50	NA	51	102	85-164
Diethyl Ether	50	NA	48	96	74-132
Tertiary-butyl alcohol	250	NA	275	110	30-162
1,1-Dichloroethene	50	NA	49	97	79-126
Carbon Disulfide	50	NA	52	105	72-127
Freon-113	50	NA	48	96	78-132
Iodomethane	50	NA	52	104	54-181
Acrolein	250	NA	242	97	67-125
Methylene Chloride	50	NA	47	93	70-120
Acetone	50	NA	56	111	54-134
Isobutyl Alcohol	1000	NA	1010	101	28-157
trans-1,2-Dichloroethene	50	NA	48	97	76-127
Allyl Chloride	50	NA	43	86	62-141
Methyl tert-butyl ether	100	NA	102	102	78-136
Acetonitrile	500	NA	436	87	47-143
Di-isopropyl ether	50	NA	42	84	72-129
Chloroprene	50	NA	41	82	74-132
Methacrylonitrile	500	NA	481	96	67-138
Propionitrile	500	NA	498	100	61-136
1,1-Dichloroethane	50	NA	45	89	80-126
Acrylonitrile	250	NA	226	90	63-135
Ethyl tertiary-butyl ether	50	NA	45	90	79-124
Vinyl Acetate	50	NA	43	87	68-135
cis-1,2-Dichloroethene	50	NA	47	95	80-116
1,2-Dichloroethylene (total)	100	NA	96	96	79-121
Methyl Methacrylate	50	NA	49	98	70-133
2,2-Dichloropropane	50	NA	48	97	66-150
Bromochloromethane	50	NA	53	106	90-131
Chloroform	50	NA	46	91	86-124
Carbon Tetrachloride	50	NA	52	103	73-146
Tetrahydrofuran	50	NA	45	90	66-120
1,1,1-Trichloroethane	50	NA	49	98	88-125
1,1-Dichloropropene	50	NA	50	99	84-123
2-Butanone	50	NA	50	101	59-125
Benzene	50	NA	49	98	88-115
Cyclohexane	50	NA	44	88	60-150
Ethyl Methacrylate	50	NA	52	104	76-121
Tertiary-amyl methyl ether	50	NA	48	95	80-122
1,2-Dichloroethane	50	NA	48	95	82-125
Trichloroethene	50	NA	46	93	84-115

KATAHDIN ANALYTICAL SERVICES
LAB CONTROL SAMPLE

Client:
Project: CTO 426 NLON
PO No:
Sample Date:
Received Date:
Extraction Date:
Analysis Date: 09/16/08
Report Date: 09/25/2008
Matrix: WATER

Lab ID: WG55748-1
Client ID: WG55748-LCS
SDG: CTO426-5
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG55748
Units: ug/l

COMPOUND	LCS SPIKE	SAMPLE CONC.	LCS CONC.	%REC.	QC. LIMITS
Dibromomethane	50	NA	51	102	83-121
1,2-Dichloropropane	50	NA	46	93	79-121
Bromodichloromethane	50	NA	48	95	89-113
cis-1,3-dichloropropene	50	NA	49	99	87-118
1,4-Dioxane	1000	NA	810	81	10-156
2-Chloroethylvinylether	50	NA	51	102	30-177
Toluene	50	NA	49	98	87-119
4-methyl-2-pentanone	50	NA	51	101	70-123
Tetrachloroethene	50	NA	48	96	58-147
trans-1,3-Dichloropropene	50	NA	55	109	90-137
1,1,2-Trichloroethane	50	NA	49	97	80-115
Dibromochloromethane	50	NA	48	97	84-122
1,3-Dichloropropane	50	NA	45	89	76-118
1,2-Dibromoethane	50	NA	52	104	83-116
2-Hexanone	50	NA	51	101	66-121
Chlorobenzene	50	NA	47	93	88-112
Ethylbenzene	50	NA	46	93	86-116
1,1,1,2-Tetrachloroethane	50	NA	47	94	83-118
Xylenes (total)	150	NA	139	93	84-120
m+p-Xylenes	100	NA	94	94	83-122
o-Xylene	50	NA	45	90	82-119
Styrene	50	NA	46	93	85-116
Bromoform	50	NA	49	97	78-127
Isopropylbenzene	50	NA	49	98	90-132
cis-1,4-Dichloro-2-Butene	50	NA	39	77	70-126
trans-1,4-Dichloro-2-Butene	50	NA	47	94	69-132
Bromobenzene	50	NA	46	91	87-113
N-Propylbenzene	50	NA	44	89	84-121
1,1,2,2-Tetrachloroethane	50	NA	46	93	72-119
1,3,5-Trimethylbenzene	50	NA	45	90	84-121
2-Chlorotoluene	50	NA	44	88	85-114
1,2,3-Trichloropropane	50	NA	47	93	74-114
4-Chlorotoluene	50	NA	43	86	81-120
tert-Butylbenzene	50	NA	44	87	73-132
Pentachloroethane	50	NA	44	88	32-163
1,2,4-Trimethylbenzene	50	NA	44	88	80-116
P-Isopropyltoluene	50	NA	46	93	82-125
1,3-Dichlorobenzene	50	NA	45	89	82-118
1,4-Dichlorobenzene	50	NA	46	91	83-113
N-Butylbenzene	50	NA	43	86	72-128
sec-Butylbenzene	50	NA	43	86	83-120
1,2-Dichlorobenzene	50	NA	46	92	83-116
1,2-Dibromo-3-Chloropropane	50	NA	47	94	69-121
1,3,5-Trichlorobenzene	50	NA	42	83	80-123
Hexachlorobutadiene	50	NA	40	80	61-124

KATAHDIN ANALYTICAL SERVICES
LAB CONTROL SAMPLE

Client:
Project: CTO 426 NLON
PO No:
Sample Date:
Received Date:
Extraction Date:
Analysis Date: 09/16/08
Report Date: 09/25/2008
Matrix: WATER

Lab ID: WG55748-1
Client ID: WG55748-LCS
SDG: CTO426-5
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG55748
Units: ug/l

COMPOUND	LCS SPIKE	SAMPLE CONC.	LCS CONC.		%REC.	QC. LIMITS
1,2,4-Trichlorobenzene	50	NA	44		88	71-127
1,2,3-Trimethylbenzene	50	NA	43	*	86	89-115
Naphthalene	50	NA	44		87	57-132
1,2,3-Trichlorobenzene	50	NA	41		82	62-124
Methyl Acetate	50	NA	51		101	62-137
Methylcyclohexane	50	NA	44		87	74-128
1-Chlorohexane	50	NA	48		96	84-118
Total Alkylbenzenes	350	NA	309		88	60-140

KATAHDIN ANALYTICAL SERVICES
MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 09/09/08
Received Date: 09/11/08
Extraction Date:
Analysis Date: 09/12/08
Report Date: 09/25/2008
Matrix: WATER

Lab ID: WG55628-3 & WG55628-4
Client ID: D-GW-MW14-090908MS & D-GW-MW14-090908MSD
SDG: CTO426-5
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG55628
Units: ug/l

COMPOUND	MS SPIKE	MSD SPIKE	SAMPLE CONC.	MS CONC.	MSD CONC.	MS %REC.	MSD %REC.	%RPD	%RPD LIMIT	QC. LIMITS
Methyl tert-butyl ether	100	100	0.00	120	118	120	118	2	20	78-136
Benzene	50	50	0.00	51	54	102	108	6	20	88-115
Toluene	50	50	0.00	52	55	104	111	6	20	87-119
Ethylbenzene	50	50	0.00	51	53	102	107	5	20	86-116
Xylenes (total)	150	150	0.00	146	158	97	105	8	20	84-120
m+p-Xylenes	100	100	0.00	97	106	97	106	8	20	83-122
o-Xylene	50	50	0.00	49	51	98	102	5	20	82-119
Isopropylbenzene	50	50	1.5	54	60	106	118	10	20	90-132
Naphthalene	50	50	0.00	47	48	94	96	2	20	57-132

FORM III VOA-1

S2868.D & S2869.D

FORM 4
VOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE ID

WG55717-BLANK

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 426 NLON SDG No.: CTO426-5

Lab File ID: F1740 Lab Sample ID: WG55717-2

Date Analyzed: 09/15/08 Time Analyzed: 1432

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) N

Instrument ID: GCMS-F

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	WG55717-LCS	WG55717-1	F1737	09/15/08	1218
02	AWD-TB-091108	SB5123-12	F1741	09/15/08	1515
03	AWD-GW-MWDUP02	SB5123-1	F1742	09/15/08	1546
04	AWD-GW-MW102-091008	SB5123-2	F1743	09/15/08	1616
05	AWD-GW-MW101-091008	SB5123-3	F1744	09/15/08	1647
06	AWD-GW-MW305-091008	SB5123-4	F1745	09/15/08	1718
07	AWD-GW-MW404-091008	SB5123-5	F1746	09/15/08	1749
08	AWD-GW-MW304-091008	SB5123-6	F1747	09/15/08	1820
09	AWD-GW-MW402-091008	SB5123-7	F1748	09/15/08	1852
10	AWD-GW-MW403-091008	SB5123-8	F1749	09/15/08	1924
11	AWD-GW-MW401-091008	SB5123-9	F1750	09/15/08	1956
12	AWD-GW-MW104-091008	SB5123-10	F1751	09/15/08	2027
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COMMENTS:

FORM IVVOA

FORM 4
VOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE ID

WG55628-BLANK

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 426 NLON SDG No.: CTO426-5

Lab File ID: S2853 Lab Sample ID: WG55628-2

Date Analyzed: 09/12/08 Time Analyzed: 1043

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	WG55628-LCS	WG55628-1	S2851	09/12/08	0929
02	AWD-TB-090908	SB5084-11	S2855	09/12/08	1155
03	AWD-GW-MW201-090809	SB5084-1	S2856	09/12/08	1227
04	AWD-GW-MW301-090908	SB5084-2	S2857	09/12/08	1258
05	AWD-GW-DUP01	SB5084-3	S2858	09/12/08	1329
06	AWD-GW-MW302-090908	SB5084-4	S2859	09/12/08	1400
07	AWD-GW-MW303-090908	SB5084-5	S2860	09/12/08	1431
08	AWD-SW1-090908	SB5084-6	S2861	09/12/08	1502
09	AWD-SW-DUP01	SB5084-7	S2862	09/12/08	1533
10	AWD-PZ203-090908	SB5084-8	S2863	09/12/08	1604
11	AWD-GW-MW202-090808	SB5084-9	S2864	09/12/08	1636
12	D-GW-MW14-090908	SB5084-10	S2865	09/12/08	1707
13	D-GW-MW14-090908MS	WG55628-3	S2868	09/12/08	1841
14	D-GW-MW14-090908MSD	WG55628-4	S2869	09/12/08	1913
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29					
30					

COMMENTS:

FORM IVVOA

FORM 4
VOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE ID

WG55748-BLANK

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 426 NLON SDG No.: CTO426-5

Lab File ID: S2928 Lab Sample ID: WG55748-2

Date Analyzed: 09/16/08 Time Analyzed: 1143

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	WG55748-LCS	WG55748-1	S2926	09/16/08	1030
02	AWD-GW-MW103-091008	SB5123-11RA	S2931	09/16/08	1316
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COMMENTS:

FORM IVVOA

FORM 5
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 426 NLON SDG No.: CTO426-5

Lab File ID: FB004 BFB Injection Date: 09/05/08

Instrument ID: GCMS-F BFB Injection Time: 1109

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	22.7
75	30.0 - 60.0% of mass 95	52.2
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	7.5
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	Greater than 50.0% of mass 95	94.9
175	5.0 - 9.0% of mass 174	7.2 (7.5)1
176	95.0 - 101.0% of mass 174	94.4 (99.5)1
177	5.0 - 9.0% of mass 176	7.4 (7.8)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		VSTD200F05A	F1666	09/05/08	1133
02		VSTD100F05A	F1667	09/05/08	1203
03		VSTD050F05A	F1668	09/05/08	1234
04		VSTD020F05A	F1669	09/05/08	1305
05		VSTD005F05A	F1670	09/05/08	1335
06		VSTD001F05A	F1671	09/05/08	1406
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FORM V VOA

FORM 5
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 426 NLON SDG No.: CTO426-5

Lab File ID: FB009 BFB Injection Date: 09/15/08

Instrument ID: GCMS-F BFB Injection Time: 1029

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	25.4
75	30.0 - 60.0% of mass 95	56.2
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.3
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	Greater than 50.0% of mass 95	96.7
175	5.0 - 9.0% of mass 174	5.4 (5.6)1
176	95.0 - 101.0% of mass 174	96.4 (99.8)1
177	5.0 - 9.0% of mass 176	7.2 (7.5)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01		VSTD050F15A	F1735	09/15/08	1052
02	WG55717-LCS	WG55717-1	F1737	09/15/08	1218
03	WG55717-BLANK	WG55717-2	F1740	09/15/08	1432
04	AWD-TB-091108	SB5123-12	F1741	09/15/08	1515
05	AWD-GW-MWDUP02	SB5123-1	F1742	09/15/08	1546
06	AWD-GW-MW102-091008	SB5123-2	F1743	09/15/08	1616
07	AWD-GW-MW101-091008	SB5123-3	F1744	09/15/08	1647
08	AWD-GW-MW305-091008	SB5123-4	F1745	09/15/08	1718
09	AWD-GW-MW404-091008	SB5123-5	F1746	09/15/08	1749
10	AWD-GW-MW304-091008	SB5123-6	F1747	09/15/08	1820
11	AWD-GW-MW402-091008	SB5123-7	F1748	09/15/08	1852
12	AWD-GW-MW403-091008	SB5123-8	F1749	09/15/08	1924
13	AWD-GW-MW401-091008	SB5123-9	F1750	09/15/08	1956
14	AWD-GW-MW104-091008	SB5123-10	F1751	09/15/08	2027
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FORM V VOA

FORM 5
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 426 NLON SDG No.: CTO426-5

Lab File ID: SB918 BFB Injection Date: 09/10/08

Instrument ID: GCMS-S BFB Injection Time: 1327

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	27.6
75	30.0 - 60.0% of mass 95	45.1
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	7.0
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	Greater than 50.0% of mass 95	51.7
175	5.0 - 9.0% of mass 174	3.9 (7.6)1
176	95.0 - 101.0% of mass 174	50.6 (97.8)1
177	5.0 - 9.0% of mass 176	3.1 (6.2)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		VSTD200S10A	S2826	09/10/08	1422
02		VSTD100S10A	S2827	09/10/08	1453
03		VSTD050S10B	S2828	09/10/08	1524
04		VSTD020S10A	S2829	09/10/08	1555
05		VSTD005S10A	S2830	09/10/08	1626
06		VSTD001S10A	S2831	09/10/08	1657
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FORM V VOA

FORM 5
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 426 NLON SDG No.: CTO426-5

Lab File ID: SB920 BFB Injection Date: 09/12/08

Instrument ID: GCMS-S BFB Injection Time: 0823

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	21.5
75	30.0 - 60.0% of mass 95	46.7
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	5.9
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	Greater than 50.0% of mass 95	73.7
175	5.0 - 9.0% of mass 174	5.7 (7.8)1
176	95.0 - 101.0% of mass 174	73.2 (99.2)1
177	5.0 - 9.0% of mass 176	5.1 (7.0)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01		VSTD050S12A	S2850	09/12/08	0847
02	WG55628-LCS	WG55628-1	S2851	09/12/08	0929
03	WG55628-BLANK	WG55628-2	S2853	09/12/08	1043
04	AWD-TB-090908	SB5084-11	S2855	09/12/08	1155
05	AWD-GW-MW201-090809	SB5084-1	S2856	09/12/08	1227
06	AWD-GW-MW301-090908	SB5084-2	S2857	09/12/08	1258
07	AWD-GW-DUP01	SB5084-3	S2858	09/12/08	1329
08	AWD-GW-MW302-090908	SB5084-4	S2859	09/12/08	1400
09	AWD-GW-MW303-090908	SB5084-5	S2860	09/12/08	1431
10	AWD-SW1-090908	SB5084-6	S2861	09/12/08	1502
11	AWD-SW-DUP01	SB5084-7	S2862	09/12/08	1533
12	AWD-PZ203-090908	SB5084-8	S2863	09/12/08	1604
13	AWD-GW-MW202-090808	SB5084-9	S2864	09/12/08	1636
14	D-GW-MW14-090908	SB5084-10	S2865	09/12/08	1707
15	D-GW-MW14-090908MS	WG55628-3	S2868	09/12/08	1841
16	D-GW-MW14-090908MSD	WG55628-4	S2869	09/12/08	1913
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FORM V VOA

FORM 5
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 426 NLON SDG No.: CTO426-5

Lab File ID: SB922 BFB Injection Date: 09/16/08

Instrument ID: GCMS-S BFB Injection Time: 0925

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	21.1
75	30.0 - 60.0% of mass 95	45.4
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	7.6
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	Greater than 50.0% of mass 95	71.2
175	5.0 - 9.0% of mass 174	4.9 (6.9)1
176	95.0 - 101.0% of mass 174	69.4 (97.4)1
177	5.0 - 9.0% of mass 176	4.6 (6.6)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01		VSTD050S16A	S2925	09/16/08	0948
02	WG55748-LCS	WG55748-1	S2926	09/16/08	1030
03	WG55748-BLANK	WG55748-2	S2928	09/16/08	1143
04	AWD-GW-MW103-091008	SB5123-11RA	S2931	09/16/08	1316
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FORM V VOA

FORM 6
VOLATILE INITIAL CALIBRATION DATA

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project CTO 426 NLON SDG No.: CTO426-5

Instrument ID: GCMS-F Calibration Date(s): 09/05/08 09/05/08

Column: RTX-VMS ID: 0.18 (mm) Calibration Time(s): 1133 1406

LAB FILE ID: RF1: F1671 RF5: F1670 RF20: F1669
RF50: F1668 RF100: F1667 RF200: F1666

COMPOUND	RF1	RF5	RF20	RF50	RF100	RF200	CURVE	COEFF. A1	%RSD OR R^2	MAX %RSD OR R^2
Methyl tert-butyl ether	1.099	1.324	1.314	1.335	1.363	1.336	AVRG	1.29518624	7.515	15.000
Benzene	1.108	0.933	1.174	1.250	1.202	1.176	AVRG	1.14062733	9.776	15.000
Toluene	0.628	0.546	0.681	0.672	0.706	0.636	AVRG	0.64500925	8.746	15.000
Ethylbenzene	0.443	0.342	0.460	0.458	0.458	0.445	AVRG	0.43424134	10.503	15.000
Xylenes (total)							AVRG			0.000
m+p-Xylenes	0.535	0.446	0.575	0.571	0.547	0.507	AVRG	0.53024756	9.122	15.000
o-Xylene	0.514	0.407	0.565	0.577	0.555	0.552	AVRG	0.52834016	11.934	15.000
Isopropylbenzene	1.986	1.629	2.158	2.251	2.181	2.021	AVRG	2.03771204	10.981	15.000
Naphthalene	1.532	1.057	1.227	1.306	1.341	1.122	AVRG	1.26411836	13.433	15.000
Dibromofluoromethane	0.412	0.491	0.580	0.596	0.606	0.614	AVRG	0.54979542	14.693	15.000
1,2-Dichloroethane-D4	0.553	0.572	0.661	0.657	0.682	0.712	AVRG	0.63961079	9.868	15.000
Toluene-D8	0.820	0.905	1.029	1.060	0.982	0.919	AVRG	0.95264988	9.291	15.000
P-Bromofluorobenzene	0.369	0.390	0.429	0.442	0.430	0.433	AVRG	0.41572318	6.980	15.000

Average %RSD test result.

Calculate Average %RSD: 12.18855476
Maximum Average %RSD: 15.00000000

Note: Passes Average %RSD Test.

FORM VI VOA

FORM 6
VOLATILE INITIAL CALIBRATION DATA

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project CTO 426 NLON SDG No.: CTO426-5

Instrument ID: GCMS-S Calibration Date(s): 09/10/08 09/10/08

Column: RTX-VMS ID: 0.18 (mm) Calibration Time(s): 1422 1657

LAB FILE ID: RF1: S2831 RF5: S2830 RF20: S2829
RF50: S2828 RF100: S2827 RF200: S2826

COMPOUND	RF1	RF5	RF20	RF50	RF100	RF200	CURVE	COEFF. A1	%RSD OR R^2	MAX %RSD OR R^2
Methyl tert-butyl ether	1.225	1.131	1.250	1.211	1.222	1.227	AVRG	1.21095391	3.389	15.000
Benzene	1.446	1.194	1.224	1.206	1.261	1.203	AVRG	1.25568823	7.659	15.000
Toluene	0.816	0.704	0.708	0.682	0.722	0.678	AVRG	0.71819467	7.026	15.000
Ethylbenzene	0.522	0.447	0.481	0.464	0.486	0.478	AVRG	0.47947898	5.227	15.000
Xylenes (total)							AVRG			0.000
m+p-Xylenes	0.668	0.554	0.595	0.566	0.577	0.549	AVRG	0.58499720	7.536	15.000
o-Xylene	0.647	0.546	0.602	0.585	0.616	0.595	AVRG	0.59851723	5.603	15.000
Isopropylbenzene	2.924	2.417	2.596	2.600	2.509	2.435	AVRG	2.58001302	7.174	15.000
Naphthalene	2.514	1.882	1.896	1.839	1.894	1.713	AVRG	1.95650807	14.402	15.000
Dibromofluoromethane	0.542	0.508	0.600	0.546	0.570	0.584	AVRG	0.55834291	5.917	15.000
1,2-Dichloroethane-D4	0.720	0.550	0.619	0.574	0.591	0.584	AVRG	0.60627033	9.916	15.000
Toluene-D8	1.107	1.004	1.104	1.001	1.033	0.970	AVRG	1.03647113	5.499	15.000
P-Bromofluorobenzene	0.469	0.406	0.440	0.410	0.404	0.400	AVRG	0.42171979	6.502	15.000

Average %RSD test result.

Calculate Average %RSD: 7.300212860
Maximum Average %RSD: 15.00000000

Note: Passes Average %RSD Test.

FORM VI VOA

FORM 7B
VOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 426 NLON SDG No.: CTO426-5

Instrument ID: GCMS-F Calibration Date: 09/15/08 Time: 1052

Lab File ID: F1735 Init. Calib. Date(s): 09/05/08 09/05/08

Init. Calib. Times: 1133 1406

GC Column: RTX-VMS ID: 0.18 (mm)

COMPOUND	RRF OR AMOUNT	RRF50.000 OR AMOUNT	MIN RRF	%D OR %DRIFT	MAX %D OR %DRIFT	CURV TYPE	
Methyl tert-butyl ether	1.2950000	1.2374000	0.01	-4.45		AVRG	
Benzene	1.1400000	1.0503000	0.01	-7.87		AVRG	
Toluene	0.6450000	0.6017800	0.01	-6.70	20.00	AVRG	
Ethylbenzene	0.4340000	0.4338100	0.01	-0.04	20.00	AVRG	
Xylenes (total)	0.0000000	0.5429100	0.01	0.00		AVRG	<-
m+p-Xylenes	0.5300000	0.5478800	0.01	3.37		AVRG	
o-Xylene	0.5280000	0.5329700	0.01	0.94		AVRG	
Isopropylbenzene	2.0380000	1.9361000	0.01	-5.00		AVRG	
Naphthalene	1.2640000	1.0592000	0.01	-16.20		AVRG	
Dibromofluoromethane	0.5500000	0.4492200	0.01	-18.32		AVRG	
1,2-Dichloroethane-D4	0.6400000	0.5127700	0.01	-19.88		AVRG	
Toluene-D8	0.9520000	0.7741300	0.01	-18.68		AVRG	
P-Bromofluorobenzene	0.4160000	0.4242800	0.01	1.99		AVRG	

FORM VII VOA

FORM 7B
VOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 426 NLON SDG No.: CTO426-5

Instrument ID: GCMS-S Calibration Date: 09/12/08 Time: 0847

Lab File ID: S2850 Init. Calib. Date(s): 09/10/08 09/10/08

Init. Calib. Times: 1422 1657

GC Column: RTX-VMS ID: 0.18 (mm)

COMPOUND	RRF OR AMOUNT	RRF50.000 OR AMOUNT	MIN RRF	%D OR %DRIFT	MAX %D OR %DRIFT	CURV TYPE	
Methyl tert-butyl ether	1.2110000	1.2370000	0.01	2.15		AVRG	
Benzene	1.2560000	1.2038000	0.01	-4.16		AVRG	
Toluene	0.7180000	0.6936000	0.01	-3.40	20.00	AVRG	
Ethylbenzene	0.4800000	0.4660600	0.01	-2.90	20.00	AVRG	
Xylenes (total)	0.0000000	0.5819300	0.01	0.00		AVRG	<-
m+p-Xylenes	0.5850000	0.5788900	0.01	-1.04		AVRG	
o-Xylene	0.5980000	0.5880200	0.01	-1.67		AVRG	
Isopropylbenzene	2.5800000	2.4606000	0.01	-4.63		AVRG	
Naphthalene	1.9560000	1.7331000	0.01	-11.40		AVRG	
Dibromofluoromethane	0.5580000	0.5020900	0.01	-10.02		AVRG	
1,2-Dichloroethane-D4	0.6060000	0.5110000	0.01	-15.68		AVRG	
Toluene-D8	1.0360000	0.9520800	0.01	-8.10		AVRG	
P-Bromofluorobenzene	0.4220000	0.3742100	0.01	-11.32		AVRG	

FORM 7B
VOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 426 NLON SDG No.: CTO426-5

Instrument ID: GCMS-S Calibration Date: 09/16/08 Time: 0948

Lab File ID: S2925 Init. Calib. Date(s): 09/10/08 09/10/08

Init. Calib. Times: 1422 1657

GC Column: RTX-VMS ID: 0.18 (mm)

COMPOUND	RRF OR AMOUNT	RRF50.000 OR AMOUNT	MIN RRF	%D OR %DRIFT	MAX %D OR %DRIFT	CURV TYPE	
Methyl tert-butyl ether	1.2110000	1.2337000	0.01	1.87		AVRG	
Benzene	1.2560000	1.1708000	0.01	-6.78		AVRG	
Toluene	0.7180000	0.6788900	0.01	-5.45	20.00	AVRG	
Ethylbenzene	0.4800000	0.4435800	0.01	-7.59	20.00	AVRG	
Xylenes (total)	0.0000000	0.5391300	0.01	0.00		AVRG	<-
m+p-Xylenes	0.5850000	0.5405000	0.01	-7.61		AVRG	
o-Xylene	0.5980000	0.5363800	0.01	-10.30		AVRG	
Isopropylbenzene	2.5800000	2.4182000	0.01	-6.27		AVRG	
Naphthalene	1.9560000	1.7112000	0.01	-12.52		AVRG	
Dibromofluoromethane	0.5580000	0.4809300	0.01	-13.81		AVRG	
1,2-Dichloroethane-D4	0.6060000	0.4860600	0.01	-19.79		AVRG	
Toluene-D8	1.0360000	0.9195800	0.01	-11.24		AVRG	
P-Bromofluorobenzene	0.4220000	0.3602100	0.01	-14.64		AVRG	

FORM 8
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 426 NLON SDG No.: CTO426-5

Lab File ID (Standard): F1735 Date Analyzed: 09/15/08

Instrument ID: GCMS-F Time Analyzed: 1052

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) N

	IS1(PFB) AREA #	RT #	IS2(DFB) AREA #	RT #	IS3(CBZ) AREA #	RT #
12 HOUR STD	1031231	8.39	1434445	9.23	1217306	12.70
UPPER LIMIT	2062462	8.89	2868890	9.73	2434612	13.20
LOWER LIMIT	515616	7.89	717223	8.73	608653	12.20

	CLIENT SAMPLE ID	LAB SAMPLE ID						
01	WG55717-LCS	WG55717-1	1122058	8.39	1487367	9.22	1302180	12.69
02	WG55717-BLANK	WG55717-2	961981	8.38	1326429	9.23	1177754	12.70
03	AWD-TB-091108	SB5123-12	984889	8.37	1333535	9.22	1177109	12.69
04	AWD-GW-MWDUP02	SB5123-1	955944	8.38	1266018	9.23	1160178	12.68
05	AWD-GW-MW102-091008	SB5123-2	938547	8.38	1279466	9.23	1151471	12.68
06	AWD-GW-MW101-091008	SB5123-3	958632	8.37	1256130	9.22	1125815	12.69
07	AWD-GW-MW305-091008	SB5123-4	941836	8.37	1255735	9.22	1097936	12.69
08	AWD-GW-MW404-091008	SB5123-5	922942	8.37	1221558	9.22	1133067	12.68
09	AWD-GW-MW304-091008	SB5123-6	902136	8.36	1226516	9.21	1074697	12.68
10	AWD-GW-MW402-091008	SB5123-7	840478	8.34	1204461	9.20	1042070	12.67
11	AWD-GW-MW403-091008	SB5123-8	909514	8.35	1212828	9.19	1021630	12.68
12	AWD-GW-MW401-091008	SB5123-9	873464	8.34	1176881	9.20	1013705	12.67
13	AWD-GW-MW104-091008	SB5123-10	875280	8.34	1197130	9.19	1042363	12.67
14								
15								
16								
17								
18								
19								
20								

IS1 (PFB) = Pentafluorobenzene
IS2 (DFB) = 1,4-Difluorobenzene
IS3 (CBZ) = Chlorobenzene-D5

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

FORM VIII VOA

FORM 8
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 426 NLON SDG No.: CTO426-5

Lab File ID (Standard): F1735 Date Analyzed: 09/15/08

Instrument ID: GCMS-F Time Analyzed: 1052

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) N

	IS4(DCB) AREA #	RT #	AREA #	RT #	AREA #	RT #
12 HOUR STD	736485	15.80				
UPPER LIMIT	1472970	16.30				
LOWER LIMIT	368243	15.30				

	CLIENT SAMPLE ID	LAB SAMPLE ID						
01	WG55717-LCS	WG55717-1	782876	15.79				
02	WG55717-BLANK	WG55717-2	646208	15.79				
03	AWD-TB-091108	SB5123-12	654185	15.80				
04	AWD-GW-MWDUP02	SB5123-1	643467	15.79				
05	AWD-GW-MW102-091008	SB5123-2	621548	15.79				
06	AWD-GW-MW101-091008	SB5123-3	618939	15.79				
07	AWD-GW-MW305-091008	SB5123-4	619254	15.79				
08	AWD-GW-MW404-091008	SB5123-5	603965	15.79				
09	AWD-GW-MW304-091008	SB5123-6	598509	15.78				
10	AWD-GW-MW402-091008	SB5123-7	587495	15.78				
11	AWD-GW-MW403-091008	SB5123-8	605973	15.77				
12	AWD-GW-MW401-091008	SB5123-9	601802	15.78				
13	AWD-GW-MW104-091008	SB5123-10	575130	15.77				
14								
15								
16								
17								
18								
19								
20								

IS4 (DCB) = 1,4-Dichlorobenzene-D4

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

FORM 8
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 426 NLON SDG No.: CTO426-5

Lab File ID (Standard): S2850 Date Analyzed: 09/12/08

Instrument ID: GCMS-S Time Analyzed: 0847

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) N

	IS1(PFB) AREA #	RT #	IS2(DFB) AREA #	RT #	IS3(CBZ) AREA #	RT #
12 HOUR STD	474520	9.01	732237	9.74	618564	13.16
UPPER LIMIT	949040	9.51	1464474	10.24	1237128	13.66
LOWER LIMIT	237260	8.51	366119	9.24	309282	12.66

	CLIENT SAMPLE ID	LAB SAMPLE ID						
01	WG55628-LCS	WG55628-1	458553	9.02	761006	9.74	608757	13.16
02	WG55628-BLANK	WG55628-2	486202	9.02	736244	9.74	646073	13.16
03	AWD-TB-090908	SB5084-11	469138	9.02	742846	9.74	625786	13.17
04	AWD-GW-MW201-090809	SB5084-1	470556	9.02	746211	9.75	657498	13.16
05	AWD-GW-MW301-090908	SB5084-2	474546	9.02	737479	9.75	656996	13.17
06	AWD-GW-DUP01	SB5084-3	479767	9.02	769520	9.74	650433	13.17
07	AWD-GW-MW302-090908	SB5084-4	485865	9.02	760524	9.75	653768	13.16
08	AWD-GW-MW303-090908	SB5084-5	478446	9.02	745457	9.74	643277	13.17
09	AWD-SW1-090908	SB5084-6	477797	9.02	758174	9.75	645581	13.18
10	AWD-SW-DUP01	SB5084-7	480607	9.02	758755	9.75	638212	13.18
11	AWD-PZ203-090908	SB5084-8	476034	9.02	738892	9.75	626744	13.18
12	AWD-GW-MW202-090808	SB5084-9	475133	9.03	719949	9.75	627179	13.17
13	D-GW-MW14-090908	SB5084-10	475408	9.03	741155	9.75	622251	13.17
14	D-GW-MW14-090908MS	WG55628-3	446856	9.03	710214	9.75	617188	13.17
15	D-GW-MW14-090908MSD	WG55628-4	442910	9.02	688093	9.74	586109	13.18
16								
17								
18								
19								
20								

IS1 (PFB) = Pentafluorobenzene
IS2 (DFB) = 1,4-Difluorobenzene
IS3 (CBZ) = Chlorobenzene-D5

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

FORM VIII VOA

FORM 8
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 426 NLON SDG No.: CTO426-5

Lab File ID (Standard): S2850 Date Analyzed: 09/12/08

Instrument ID: GCMS-S Time Analyzed: 0847

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) N

	IS4(DCB) AREA #	RT #	AREA #	RT #	AREA #	RT #
12 HOUR STD	311384	16.29				
UPPER LIMIT	622768	16.79				
LOWER LIMIT	155692	15.79				

	CLIENT SAMPLE ID	LAB SAMPLE ID						
01	WG55628-LCS	WG55628-1	312228	16.29				
02	WG55628-BLANK	WG55628-2	306031	16.29				
03	AWD-TB-090908	SB5084-11	312522	16.30				
04	AWD-GW-MW201-090809	SB5084-1	310768	16.30				
05	AWD-GW-MW301-090908	SB5084-2	318669	16.30				
06	AWD-GW-DUP01	SB5084-3	314028	16.30				
07	AWD-GW-MW302-090908	SB5084-4	314688	16.30				
08	AWD-GW-MW303-090908	SB5084-5	314757	16.30				
09	AWD-SW1-090908	SB5084-6	315970	16.30				
10	AWD-SW-DUP01	SB5084-7	309821	16.30				
11	AWD-PZ203-090908	SB5084-8	304572	16.30				
12	AWD-GW-MW202-090808	SB5084-9	308672	16.30				
13	D-GW-MW14-090908	SB5084-10	311054	16.30				
14	D-GW-MW14-090908MS	WG55628-3	306498	16.30				
15	D-GW-MW14-090908MSD	WG55628-4	304303	16.30				
16								
17								
18								
19								
20								

IS4 (DCB) = 1,4-Dichlorobenzene-D4

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

FORM 8
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 426 NLON SDG No.: CTO426-5

Lab File ID (Standard): S2925 Date Analyzed: 09/16/08

Instrument ID: GCMS-S Time Analyzed: 0948

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) N

	IS1(PFB) AREA #	RT #	IS2(DFB) AREA #	RT #	IS3(CBZ) AREA #	RT #
12 HOUR STD	467124	9.01	723542	9.74	631581	13.16
UPPER LIMIT	934248	9.51	1447084	10.24	1263162	13.66
LOWER LIMIT	233562	8.51	361771	9.24	315791	12.66

	CLIENT SAMPLE ID	LAB SAMPLE ID						
01	WG55748-LCS	WG55748-1	470790	9.01	729011	9.75	642314	13.16
02	WG55748-BLANK	WG55748-2	486094	9.02	772758	9.74	655462	13.17
03	AWD-GW-MW103-091008	SB5123-11RA	481740	9.02	754754	9.74	655785	13.17
04								
05								
06								
07								
08								
09								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								

IS1 (PFB) = Pentafluorobenzene
IS2 (DFB) = 1,4-Difluorobenzene
IS3 (CBZ) = Chlorobenzene-D5

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

FORM VIII VOA

FORM 8
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 426 NLON SDG No.: CTO426-5

Lab File ID (Standard): S2925 Date Analyzed: 09/16/08

Instrument ID: GCMS-S Time Analyzed: 0948

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) N

	IS4(DCB) AREA #	RT #	AREA #	RT #	AREA #	RT #
12 HOUR STD	312865	16.29				
UPPER LIMIT	625730	16.79				
LOWER LIMIT	156433	15.79				

	CLIENT SAMPLE ID	LAB SAMPLE ID						
01	WG55748-LCS	WG55748-1	323624	16.29				
02	WG55748-BLANK	WG55748-2	321817	16.30				
03	AWD-GW-MW103-091008	SB5123-11RA	327013	16.30				
04								
05								
06								
07								
08								
09								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								

IS4 (DCB) = 1,4-Dichlorobenzene-D4

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

FORM VIII VOA

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 09/08/08
Received Date: 09/11/08
Extraction Date: 09/12/08
Analysis Date: 24-SEP-2008 16:18
Report Date: 09/29/2008
Matrix: WATER
% Solids: NA

Lab ID: SB5084-1RA
Client ID: AWD-GW-MW201-090809
SDG: CTO426-5
Extracted by: CB
Extraction Method: SW846 3510
Analyst: KGT
Analysis Method: SW846 M8015B
Lab Prep Batch: WG55625
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
	Extractable TPH C9-C36	U	72	1.0	75	72	38
	O-Terphenyl		90%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 09/09/08
Received Date: 09/11/08
Extraction Date: 09/12/08
Analysis Date: 24-SEP-2008 16:56
Report Date: 09/29/2008
Matrix: WATER
% Solids: NA

Lab ID: SB5084-2RA
Client ID: AWD-GW-MW301-090908
SDG: CTO426-5
Extracted by: CB
Extraction Method: SW846 3510
Analyst: KGT
Analysis Method: SW846 M8015B
Lab Prep Batch: WG55625
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
	Extractable TPH C9-C36		97	1.0	75	73	38
	O-Terphenyl		84%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 09/08/08
Received Date: 09/11/08
Extraction Date: 09/12/08
Analysis Date: 24-SEP-2008 17:34
Report Date: 09/29/2008
Matrix: WATER
% Solids: NA

Lab ID: SB5084-3RA
Client ID: AWD-GW-DUP01
SDG: CTO426-5
Extracted by: CB
Extraction Method: SW846 3510
Analyst: KGT
Analysis Method: SW846 M8015B
Lab Prep Batch: WG55625
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
	Extractable TPH C9-C36		140	1.0	75	75	39
	O-Terphenyl		81%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 09/09/08
Received Date: 09/11/08
Extraction Date: 09/12/08
Analysis Date: 24-SEP-2008 00:46
Report Date: 09/30/2008
Matrix: WATER
% Solids: NA

Lab ID: SB5084-4
Client ID: AWD-GW-MW302-090908
SDG: CTO426-5
Extracted by: CB
Extraction Method: SW846 3510
Analyst: KGT
Analysis Method: SW846 M8015B
Lab Prep Batch: WG55625
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
	Extractable TPH C9-C36		76	1.0	75	71	37
	O-Terphenyl		50%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 09/09/08
Received Date: 09/11/08
Extraction Date: 09/12/08
Analysis Date: 24-SEP-2008 01:25
Report Date: 09/30/2008
Matrix: WATER
% Solids: NA

Lab ID: SB5084-5
Client ID: AWD-GW-MW303-090908
SDG: CTO426-5
Extracted by: CB
Extraction Method: SW846 3510
Analyst: KGT
Analysis Method: SW846 M8015B
Lab Prep Batch: WG55625
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
	Extractable TPH C9-C36		1400	1.0	75	71	37
	O-Terphenyl		70%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 09/09/08
Received Date: 09/11/08
Extraction Date: 09/12/08
Analysis Date: 24-SEP-2008 02:04
Report Date: 09/30/2008
Matrix: WATER
% Solids: NA

Lab ID: SB5084-6
Client ID: AWD-SW1-090908
SDG: CTO426-5
Extracted by: CB
Extraction Method: SW846 3510
Analyst: KGT
Analysis Method: SW846 M8015B
Lab Prep Batch: WG55625
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
	Extractable TPH C9-C36		180	1.0	75	76	40
	O-Terphenyl		82%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 09/09/08
Received Date: 09/11/08
Extraction Date: 09/12/08
Analysis Date: 24-SEP-2008 02:44
Report Date: 09/30/2008
Matrix: WATER
% Solids: NA

Lab ID: SB5084-7
Client ID: AWD-SW-DUP01
SDG: CTO426-5
Extracted by: CB
Extraction Method: SW846 3510
Analyst: KGT
Analysis Method: SW846 M8015B
Lab Prep Batch: WG55625
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
	Extractable TPH C9-C36	U	73	1.0	75	73	38
	O-Terphenyl		59%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 09/09/08
Received Date: 09/11/08
Extraction Date: 09/12/08
Analysis Date: 24-SEP-2008 03:23
Report Date: 09/30/2008
Matrix: WATER
% Solids: NA

Lab ID: SB5084-8
Client ID: AWD-PZ203-090908
SDG: CTO426-5
Extracted by: CB
Extraction Method: SW846 3510
Analyst: KGT
Analysis Method: SW846 M8015B
Lab Prep Batch: WG55625
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
	Extractable TPH C9-C36		150	1.0	75	79	41
	O-Terphenyl		47%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 09/08/08
Received Date: 09/11/08
Extraction Date: 09/12/08
Analysis Date: 24-SEP-2008 04:02
Report Date: 09/30/2008
Matrix: WATER
% Solids: NA

Lab ID: SB5084-9
Client ID: AWD-GW-MW202-090808
SDG: CTO426-5
Extracted by: CB
Extraction Method: SW846 3510
Analyst: KGT
Analysis Method: SW846 M8015B
Lab Prep Batch: WG55625
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
	Extractable TPH C9-C36		200	1.0	75	75	39
	O-Terphenyl		61%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 09/09/08
Received Date: 09/11/08
Extraction Date: 09/12/08
Analysis Date: 24-SEP-2008 04:41
Report Date: 09/30/2008
Matrix: WATER
% Solids: NA

Lab ID: SB5084-10
Client ID: D-GW-MW14-090908
SDG: CTO426-5
Extracted by: CB
Extraction Method: SW846 3510
Analyst: KGT
Analysis Method: SW846 M8015B
Lab Prep Batch: WG55625
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
	Extractable TPH C9-C36		120	1.0	75	71	37
	O-Terphenyl		48%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 09/10/08
Received Date: 09/12/08
Extraction Date: 09/16/08
Analysis Date: 22-SEP-2008 18:26
Report Date: 09/29/2008
Matrix: WATER
% Solids: NA

Lab ID: SB5123-1
Client ID: AWD-GW-MWDUP02
SDG: CTO426-5
Extracted by: CB
Extraction Method: SW846 3510
Analyst: KGT
Analysis Method: SW846 M8015B
Lab Prep Batch: WG55724
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
	Extractable TPH C9-C36		180	1.0	75	74	38
	O-Terphenyl		80%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 09/10/08
Received Date: 09/12/08
Extraction Date: 09/16/08
Analysis Date: 22-SEP-2008 19:05
Report Date: 09/29/2008
Matrix: WATER
% Solids: NA

Lab ID: SB5123-2
Client ID: AWD-GW-MW102-091008
SDG: CTO426-5
Extracted by: CB
Extraction Method: SW846 3510
Analyst: KGT
Analysis Method: SW846 M8015B
Lab Prep Batch: WG55724
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
	Extractable TPH C9-C36		190	1.0	75	77	40
	O-Terphenyl		79%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 09/10/08
Received Date: 09/12/08
Extraction Date: 09/16/08
Analysis Date: 22-SEP-2008 19:44
Report Date: 09/29/2008
Matrix: WATER
% Solids: NA

Lab ID: SB5123-3
Client ID: AWD-GW-MW101-091008
SDG: CTO426-5
Extracted by: CB
Extraction Method: SW846 3510
Analyst: SJC
Analysis Method: SW846 M8015B
Lab Prep Batch: WG55724
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
	Extractable TPH C9-C36	U	72	1.0	75	72	38
	O-Terphenyl		87%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 09/10/08
Received Date: 09/12/08
Extraction Date: 09/16/08
Analysis Date: 22-SEP-2008 20:22
Report Date: 09/29/2008
Matrix: WATER
% Solids: NA

Lab ID: SB5123-4
Client ID: AWD-GW-MW305-091008
SDG: CTO426-5
Extracted by: CB
Extraction Method: SW846 3510
Analyst: SJC
Analysis Method: SW846 M8015B
Lab Prep Batch: WG55724
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
	Extractable TPH C9-C36		110	1.0	75	71	37
	O-Terphenyl		66%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 09/10/08
Received Date: 09/12/08
Extraction Date: 09/16/08
Analysis Date: 22-SEP-2008 21:01
Report Date: 09/29/2008
Matrix: WATER
% Solids: NA

Lab ID: SB5123-5
Client ID: AWD-GW-MW404-091008
SDG: CTO426-5
Extracted by: CB
Extraction Method: SW846 3510
Analyst: SJC
Analysis Method: SW846 M8015B
Lab Prep Batch: WG55724
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
	Extractable TPH C9-C36	U	74	1.0	75	74	39
	O-Terphenyl		70%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 09/10/08
Received Date: 09/12/08
Extraction Date: 09/16/08
Analysis Date: 22-SEP-2008 21:39
Report Date: 09/29/2008
Matrix: WATER
% Solids: NA

Lab ID: SB5123-6
Client ID: AWD-GW-MW304-091008
SDG: CTO426-5
Extracted by: CB
Extraction Method: SW846 3510
Analyst: SJC
Analysis Method: SW846 M8015B
Lab Prep Batch: WG55724
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
	Extractable TPH C9-C36		200	1.0	75	75	39
	O-Terphenyl		58%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 09/10/08
Received Date: 09/12/08
Extraction Date: 09/16/08
Analysis Date: 22-SEP-2008 22:18
Report Date: 09/29/2008
Matrix: WATER
% Solids: NA

Lab ID: SB5123-7
Client ID: AWD-GW-MW402-091008
SDG: CTO426-5
Extracted by: CB
Extraction Method: SW846 3510
Analyst: SJC
Analysis Method: SW846 M8015B
Lab Prep Batch: WG55724
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
	Extractable TPH C9-C36		750	1.0	75	76	40
	O-Terphenyl		68%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 09/10/08
Received Date: 09/12/08
Extraction Date: 09/16/08
Analysis Date: 23-SEP-2008 00:52
Report Date: 09/29/2008
Matrix: WATER
% Solids: NA

Lab ID: SB5123-8
Client ID: AWD-GW-MW403-091008
SDG: CTO426-5
Extracted by: CB
Extraction Method: SW846 3510
Analyst: SJC
Analysis Method: SW846 M8015B
Lab Prep Batch: WG55724
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
	Extractable TPH C9-C36		140	1.0	75	79	41
	O-Terphenyl		70%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 09/10/08
Received Date: 09/12/08
Extraction Date: 09/16/08
Analysis Date: 23-SEP-2008 01:31
Report Date: 09/29/2008
Matrix: WATER
% Solids: NA

Lab ID: SB5123-9
Client ID: AWD-GW-MW401-091008
SDG: CTO426-5
Extracted by: CB
Extraction Method: SW846 3510
Analyst: SJC
Analysis Method: SW846 M8015B
Lab Prep Batch: WG55724
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
	Extractable TPH C9-C36	U	76	1.0	75	76	39
	O-Terphenyl		67%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 09/10/08
Received Date: 09/12/08
Extraction Date: 09/16/08
Analysis Date: 23-SEP-2008 02:09
Report Date: 10/01/2008
Matrix: WATER
% Solids: NA

Lab ID: SB5123-10
Client ID: AWD-GW-MW104-091008
SDG: CTO426-5
Extracted by: CB
Extraction Method: SW846 3510
Analyst: SJC
Analysis Method: SW846 M8015B
Lab Prep Batch: WG55724
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
	Extractable TPH C9-C36	U	74	1.0	75	74	39
	O-Terphenyl		83%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 09/10/08
Received Date: 09/12/08
Extraction Date: 09/16/08
Analysis Date: 23-SEP-2008 02:48
Report Date: 10/01/2008
Matrix: WATER
% Solids: NA

Lab ID: SB5123-11
Client ID: AWD-GW-MW103-091008
SDG: CTO426-5
Extracted by: CB
Extraction Method: SW846 3510
Analyst: SJC
Analysis Method: SW846 M8015B
Lab Prep Batch: WG55724
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
	Extractable TPH C9-C36	U	71	1.0	75	71	37
	O-Terphenyl		81%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client:
Project: CTO 426 NLON
PO No:
Sample Date:
Received Date:
Extraction Date: 09/12/08
Analysis Date: 23-SEP-2008 17:02
Report Date: 09/29/2008
Matrix: WATER
% Solids: NA

Lab ID: WG55625-1
Client ID: WG55625-Blank
SDG: CTO426-5
Extracted by: CB
Extraction Method: SW846 3510
Analyst: KGT
Analysis Method: SW846 M8015B
Lab Prep Batch: WG55625
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
	Extractable TPH C9-C36	U	75	1.0	75	75	39
	O-Terphenyl		76%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client:
Project: CTO 426 NLON
PO No:
Sample Date:
Received Date:
Extraction Date: 09/16/08
Analysis Date: 22-SEP-2008 16:32
Report Date: 10/01/2008
Matrix: WATER
% Solids: NA

Lab ID: WG55724-1
Client ID: WG55724-Blank
SDG: CTO426-5
Extracted by: CB
Extraction Method: SW846 3510
Analyst: KGT
Analysis Method: SW846 M8015B
Lab Prep Batch: WG55724
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
	Extractable TPH C9-C36	U	75	1.0	75	75	39
	O-Terphenyl		76%				

FORM 2
WATER DRO SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 426 NLON SDG No.: CTO426-5

	CLIENT SAMPLE ID	LAB SAMPLE ID	S1 OTP#	S2 #	S3 #	S4 #	S5 #	S6 #	S7 #	S8 #	TOT OUT
01	WG55724-BLANK	WG55724-1	76								0
02	WG55724-LCS	WG55724-2	77								0
03	WG55724-LCSD	WG55724-3	70								0
04	AWD-GW-MWDUP02	SB5123-1	80								0
05	AWD-GW-MW102-091008	SB5123-2	79								0
06	AWD-GW-MW101-091008	SB5123-3	87								0
07	AWD-GW-MW305-091008	SB5123-4	66								0
08	AWD-GW-MW404-091008	SB5123-5	70								0
09	AWD-GW-MW304-091008	SB5123-6	58								0
10	AWD-GW-MW402-091008	SB5123-7	68								0
11	AWD-GW-MW403-091008	SB5123-8	70								0
12	AWD-GW-MW401-091008	SB5123-9	67								0
13	AWD-GW-MW104-091008	SB5123-10	83								0
14	AWD-GW-MW103-091008	SB5123-11	81								0
15	WG55625-BLANK	WG55625-1	76								0
16	WG55625-LCS	WG55625-2	76								0
17	WG55625-LCSD	WG55625-3	72								0
18	D-GW-MW14-090908MS	WG55625-4	84								0
19	D-GW-MW14-090908MSD	WG55625-5	77								0
20	AWD-GW-MW302-090908	SB5084-4	50								0
21	AWD-GW-MW303-090908	SB5084-5	70								0
22	AWD-SW1-090908	SB5084-6	82								0
23	AWD-SW-DUP01	SB5084-7	59								0
24	AWD-PZ203-090908	SB5084-8	47								0
25	AWD-GW-MW202-090808	SB5084-9	61								0
26	D-GW-MW14-090908	SB5084-10	48								0
27	AWD-GW-MW201-090809	SB5084-1RA	90								0
28	AWD-GW-MW301-090908	SB5084-2RA	84								0

S1 (OTP) = O-Terphenyl QC LIMITS (46-116)

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

FORM 2
WATER DRO SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 426 NLON SDG No.: CTO426-5

	CLIENT SAMPLE ID	LAB SAMPLE ID	S1 OTP#	S2 #	S3 #	S4 #	S5 #	S6 #	S7 #	S8 #	TOT OUT
01	AWD-GW-DUP01	SB5084-3RA	81								0
02											
03											
04											
05											
06											
07											
08											
09											
10											
11											
12											
13											
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16											
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19											
20											
21											
22											
23											
24											
25											
26											
27											
28											

S1 (OTP) = O-Terphenyl QC LIMITS (46-116)

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

KATAHDIN ANALYTICAL SERVICES
LAB CONTROL SAMPLE

Client:
Project: CTO 426 NLON
PO No:
Sample Date:
Received Date:
Extraction Date: 09/12/08
Analysis Date: 09/23/08
Report Date: 09/29/2008
Matrix: WATER

Lab ID: WG55625-2 & WG55625-3
Client ID: WG55625-LCS & WG55625-LCSD
SDG: CTO426-5
Extracted by: CB
Extraction Method: SW846 3510
Analyst: KGT
Analysis Method: SW846 M8015B
Lab Prep Batch: WG55625
Units: ug/L

COMPOUND	LCS SPIKE	LCSD SPIKE	SAMPLE CONC.	LCS CONC.	LCSD CONC.	LCS %REC.	LCSD %REC.	%RPD	%RPD LIMIT	QC. LIMITS
Extractable TPH C9-C36	500	500	NA	306	275	61	55	11	30	33-135

FORM III DRO-1

ABI2349.d & ABI2350.d

KATAHDIN ANALYTICAL SERVICES
LAB CONTROL SAMPLE

Client:
Project: CTO 426 NLON
PO No:
Sample Date:
Received Date:
Extraction Date: 09/16/08
Analysis Date: 09/22/08
Report Date: 09/29/2008
Matrix: WATER

Lab ID: WG55724-2 & WG55724-3
Client ID: WG55724-LCS & WG55724-LCSD
SDG: CTO426-5
Extracted by: CB
Extraction Method: SW846 3510
Analyst: KGT
Analysis Method: SW846 M8015B
Lab Prep Batch: WG55724
Units: ug/L

COMPOUND	LCS SPIKE	LCSD SPIKE	SAMPLE CONC.	LCS CONC.	LCSD CONC.	LCS %REC.	LCSD %REC.	%RPD	%RPD LIMIT	QC. LIMITS
Extractable TPH C9-C36	500	500	NA	322	290	64	58	10	30	33-135

FORM III DRO-1

ABI2322.d & ABI2323.d

KATAHDIN ANALYTICAL SERVICES
MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 09/09/08
Received Date: 09/11/08
Extraction Date: 09/12/08
Analysis Date: 09/23/08
Report Date: 09/30/2008
Matrix: WATER

Lab ID: WG55625-4 & WG55625-5
Client ID: D-GW-MW14-090908MS & D-GW-MW14-090908MSD
SDG: CTO426-5
Extracted by: CB
Extraction Method: SW846 3510
Analyst: KGT
Analysis Method: SW846 M8015B
Lab Prep Batch: WG55625
Units: ug/L

COMPOUND	MS SPIKE	MSD SPIKE	SAMPLE CONC.	MS CONC.	MSD CONC.	MS %REC.	MSD %REC.	%RPD	%RPD LIMIT	QC. LIMITS
Extractable TPH C9-C36	500	500	121	191	202	* 14	* 16	6	30	33-135

FORM III DRO-1

ABI2351.d & ABI2352.d

FORM 4
SEMIVOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE ID

WG55625-BLANK

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 426 NLON SDG No.: CTO426-5

Lab File ID: ABI2348 Lab Sample ID: WG55625-1

Instrument ID: GC10 Date Extracted: 09/12/08

Matrix: (soil/water) WATER Date Analyzed: 09/23/08

Level:(low/med) LOW Time Analyzed: 1702

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	WG55625-LCS	WG55625-2	ABI2349	09/23/08	1740
02	WG55625-LCSD	WG55625-3	ABI2350	09/23/08	1819
03	D-GW-MW14-090908MS	WG55625-4	ABI2351	09/23/08	1857
04	D-GW-MW14-090908MSD	WG55625-5	ABI2352	09/23/08	1936
05	AWD-GW-MW302-090908	SB5084-4	ABI2360	09/24/08	0046
06	AWD-GW-MW303-090908	SB5084-5	ABI2361	09/24/08	0125
07	AWD-SW1-090908	SB5084-6	ABI2362	09/24/08	0204
08	AWD-SW-DUP01	SB5084-7	ABI2363	09/24/08	0244
09	AWD-PZ203-090908	SB5084-8	ABI2364	09/24/08	0323
10	AWD-GW-MW202-090808	SB5084-9	ABI2365	09/24/08	0402
11	D-GW-MW14-090908	SB5084-10	ABI2366	09/24/08	0441
12	AWD-GW-MW201-090809	SB5084-1RA	ABI2377	09/24/08	1618
13	AWD-GW-MW301-090908	SB5084-2RA	ABI2378	09/24/08	1656
14	AWD-GW-DUP01	SB5084-3RA	ABI2379	09/24/08	1734
15					
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30					

COMMENTS:

FORM IVDRO

FORM 4
SEMIVOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE ID

WG55724-BLANK

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 426 NLON SDG No.: CTO426-5

Lab File ID: ABI2321 Lab Sample ID: WG55724-1

Instrument ID: GC10 Date Extracted: 09/16/08

Matrix: (soil/water) WATER Date Analyzed: 09/22/08

Level:(low/med) LOW Time Analyzed: 1632

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	WG55724-LCS	WG55724-2	ABI2322	09/22/08	1710
02	WG55724-LCSD	WG55724-3	ABI2323	09/22/08	1748
03	AWD-GW-MWDUP02	SB5123-1	ABI2324	09/22/08	1826
04	AWD-GW-MW102-091008	SB5123-2	ABI2325	09/22/08	1905
05	AWD-GW-MW101-091008	SB5123-3	ABI2326	09/22/08	1944
06	AWD-GW-MW305-091008	SB5123-4	ABI2327	09/22/08	2022
07	AWD-GW-MW404-091008	SB5123-5	ABI2328	09/22/08	2101
08	AWD-GW-MW304-091008	SB5123-6	ABI2329	09/22/08	2139
09	AWD-GW-MW402-091008	SB5123-7	ABI2330	09/22/08	2218
10	AWD-GW-MW403-091008	SB5123-8	ABI2334	09/23/08	0052
11	AWD-GW-MW401-091008	SB5123-9	ABI2335	09/23/08	0131
12	AWD-GW-MW104-091008	SB5123-10	ABI2336	09/23/08	0209
13	AWD-GW-MW103-091008	SB5123-11	ABI2337	09/23/08	0248
14					
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29					
30					

COMMENTS:

FORM IVDRO

FORM 6
DRO INITIAL CALIBRATION DATA

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project CTO 426 NLON SDG No.: CTO426-5

Instrument ID: GC10 Calibration Date(s): 06/30/08 06/30/08

Column: ZB-1 ID: 0.25 (mm) Calibration Time(s): 1100 1525

LAB FILE ID: RF5: ABF4226A RF20: ABF4225A RF50: ABF4222A
RF100: ABF4224A RF200: ABF4223A

COMPOUND	RF5	RF20	RF50	RF100	RF200	CURVE	COEFFICENTS A0	A1	%RSD OR R^2	MAX %RSD OR R^2
TPH Peaks C9-C36	398910	1764600	4033700	8171300	2e+007	LINR	-9.0239524	1.742e-004	0.99986	0.99000
C-9	29382	124300	281350	571470	1122400	LINR	-0.7956207	1.784e-004	0.99984	0.99000
C-10	29794	122700	284260	576870	1141200	LINR	-0.5062547	1.754e-004	0.99992	0.99000
C-12	19076	102100	275340	578730	1142500	LINR	1.26296719	1.735e-004	0.99977	0.99000
C-14	29202	132140	286950	582710	1146500	LINR	-0.9501089	1.748e-004	0.99973	0.99000
C-16	30149	129110	288040	581260	1144100	LINR	-0.9359104	1.752e-004	0.99982	0.99000
C-18	29342	127920	290380	587640	1157000	LINR	-0.7298323	1.73e-004	0.99985	0.99000
C-19	29394	128500	289520	587200	1157000	LINR	-0.7221235	1.731e-004	0.99984	0.99000
C-20	29897	130400	292380	591620	1165100	LINR	-0.8124072	1.719e-004	0.99983	0.99000
C-22	29274	129730	293060	591700	1158900	LINR	-0.9110637	1.727e-004	0.99979	0.99000
C-24	28952	128600	294230	591290	1157700	LINR	-0.9058760	1.729e-004	0.99981	0.99000
C-26	28559	127880	288670	582290	1146900	LINR	-0.7747709	1.746e-004	0.99984	0.99000
C-28	29413	130180	294100	589260	1160100	LINR	-0.9116608	1.727e-004	0.99983	0.99000
C-30	28396	128240	296290	596840	1178000	LINR	-0.5713714	1.699e-004	0.99989	0.99000
C-36	28072	122810	279080	562380	1109400	LINR	-0.7397339	1.805e-004	0.99986	0.99000
O-Terphenyl	13634	58375	129580	258490	510010	LINR	-0.4440867	1.574e-004	0.99980	0.99000

FORM VI DRO

Report Date : 07-Jul-2008 09:33

Katahdin Analytical Services

INITIAL CALIBRATION DATA

Start Cal Date : 30-JUN-2008 11:00
End Cal Date : 30-JUN-2008 15:25
Quant Method : ESTD
Origin : Included
Target Version : 4.12
Integrator : HP Genie
Method file : \\Target_server\GG\chem\gc10.i\GC10BF30B1.b\tphb022A.m
Cal Date : 03-Jul-2008 15:38 ktanguay

Calibration File Names:
Level 1: \\Target_server\GG\chem\gc10.i\GC10BF30B1.b\ABF4226A.d
Level 2: \\Target_server\GG\chem\gc10.i\GC10BF30B1.b\ABF4225A.d
Level 3: \\Target_server\GG\chem\gc10.i\GC10BF30B1.b\ABF4222A.d
Level 4: \\Target_server\GG\chem\gc10.i\GC10BF30B1.b\ABF4224A.d
Level 5: \\Target_server\GG\chem\gc10.i\GC10BF30B1.b\ABF4223A.d

Compound	5.0000 Level 1	20.0000 Level 2	50.0000 Level 3	100.0000 Level 4	200.0000 Level 5	Curve	Coefficients b	m1	m2	%RSD or R^2	
M 1 TPH Peaks C9-C36	398908	1764610	4033667	8171296	16087155	LINR	-9.02395	5742		0.99986	
S 32 TPH-product	+++++	+++++	+++++	+++++	+++++	LINR	0.000e+000	0.000e+000		0.000e+000	<-
2 C-9	29382	124304	281354	571474	1122420	LINR	-0.79562	5606		0.99984	
3 C-10	29794	122699	284262	576873	1141197	LINR	-0.50625	5700		0.99992	
4 C-12	19076	102097	275338	578732	1142533	LINR	1.26297	5764		0.99977	
5 C-14	29202	132136	286950	582712	1146515	LINR	-0.95011	5720		0.99973	
6 C-16	30149	129106	288040	581264	1144132	LINR	-0.93591	5708		0.99982	
7 C-18	29342	127924	290385	587638	1157032	LINR	-0.72983	5779		0.99985	
9 C-19	29394	128503	289520	587203	1157034	LINR	-0.72212	5778		0.99984	
S 10 TPH	398908	1764610	4033667	8171296	16087155	LINR	-9.02395	5742		0.99986	
11 C-20	29897	130403	292375	591625	1165142	LINR	-0.81241	5816		0.99983	
12 C-22	29274	129730	293063	591705	1158934	LINR	-0.91106	5789		0.99979	
13 C-24	28952	128600	294229	591289	1157691	LINR	-0.90588	5785		0.99981	
14 C-26	28559	127879	288671	582294	1146935	LINR	-0.77477	5727		0.99984	
15 C-28	29413	130178	294097	589258	1160137	LINR	-0.91166	5790		0.99983	

Sample Data Summary A0000091

Report Date : 07-Jul-2008 09:33

Katahdin Analytical Services

INITIAL CALIBRATION DATA

Start Cal Date : 30-JUN-2008 11:00
End Cal Date : 30-JUN-2008 15:25
Quant Method : ESTD
Origin : Included
Target Version : 4.12
Integrator : HP Genie
Method file : \\Target_server\GG\chem\gc10.i\GC10BF30B1.b\tphb022A.m
Cal Date : 03-Jul-2008 15:38 ktanguay

Compound	5.0000 Level 1	20.0000 Level 2	50.0000 Level 3	100.0000 Level 4	200.0000 Level 5	Curve	Coefficients b	m1	m2	%RSD or R^2
16 C-30	28396	128238	296293	596840	1178008	LINR	-0.57137	5887		0.99989
17 C-36	28072	122808	279084	562383	1109437	LINR	-0.73973	5539		0.99986
$ 8 O-Terphenyl	13634	58375	129582	258489	510014	LINR	-0.44409	6354		0.99980

Report Date : 07-Jul-2008 09:33

Katahdin Analytical Services

INITIAL CALIBRATION DATA

Start Cal Date : 30-JUN-2008 11:00
End Cal Date : 30-JUN-2008 15:25
Quant Method : ESTD
Origin : Included
Target Version : 4.12
Integrator : HP Genie
Method file : \\Target_server\GG\chem\gc10.i\GC10BF30B1.b\tphb022A.m
Cal Date : 03-Jul-2008 15:38 ktanguay

Curve	Formula	Units
Linear	Amt = b + Rsp/m1	Response

Sample Data Summary A0000093

FORM 7B
SEMIVOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 426 NLON SDG No.: CTO426-5

Instrument ID: GC10 Calibration Date: 06/30/08 Time: 1604

Lab File ID: ABF4227A Init. Calib. Date(s): 06/30/08 06/30/08

Init. Calib. Times: 1100 1525

GC Column: ZB-1 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
C-10	51.097000	50.000000	5882.8000	0.01	2.19	20.00	LINR
C-12	53.455000	50.000000	6016.6000	0.01	6.91	20.00	LINR
C-14	52.317000	50.000000	6093.5000	0.01	4.63	20.00	LINR
C-16	52.424000	50.000000	6091.9000	0.01	4.85	20.00	LINR
C-18	52.227000	50.000000	6120.4000	0.01	4.45	20.00	LINR
C-20	50.638000	50.000000	5985.0000	0.01	1.28	20.00	LINR
C-22	52.002000	50.000000	6126.8000	0.01	4.00	20.00	LINR
C-24	52.032000	50.000000	6124.7000	0.01	4.06	20.00	LINR
C-26	52.504000	50.000000	6102.8000	0.01	5.01	20.00	LINR
C-28	46.227000	50.000000	5459.0000	0.01	-7.55	20.00	LINR

FORM VII DRO

FORM 7B
SEMIVOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 426 NLON SDG No.: CTO426-5

Instrument ID: GC10 Calibration Date: 09/22/08 Time: 1210

Lab File ID: ABI2318A Init. Calib. Date(s): 06/30/08 06/30/08

Init. Calib. Times: 1100 1525

GC Column: ZB-1 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
TPH Peaks C9-C36	730.02000	700.00000	6062.4000	0.01	4.29	20.00	LINR
C-9	53.269000	50.000000	6061.5000	0.01	6.54	20.00	LINR
C-10	53.223000	50.000000	6125.2000	0.01	6.45	20.00	LINR
C-12	53.853000	50.000000	6062.5000	0.01	7.71	20.00	LINR
C-14	52.890000	50.000000	6159.1000	0.01	5.78	20.00	LINR
C-16	52.098000	50.000000	6054.7000	0.01	4.20	20.00	LINR
C-18	52.086000	50.000000	6104.2000	0.01	4.17	20.00	LINR
C-19	52.252000	50.000000	6121.3000	0.01	4.50	20.00	LINR
C-20	51.762000	50.000000	6115.7000	0.01	3.52	20.00	LINR
C-22	52.644000	50.000000	6201.1000	0.01	5.29	20.00	LINR
C-24	52.278000	50.000000	6153.3000	0.01	4.56	20.00	LINR
C-26	51.709000	50.000000	6011.8000	0.01	3.42	20.00	LINR
C-28	51.192000	50.000000	6034.0000	0.01	2.38	20.00	LINR
C-30	51.330000	50.000000	6110.8000	0.01	2.66	20.00	LINR
C-36	49.435000	50.000000	5558.5000	0.01	-1.13	20.00	LINR
O-Terphenyl	22.697000	20.000000	7352.3000	0.01	13.48	20.00	LINR

FORM VII DRO

FORM 7B
SEMIVOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 426 NLON SDG No.: CTO426-5

Instrument ID: GC10 Calibration Date: 09/23/08 Time: 0013

Lab File ID: ABI2333 Init. Calib. Date(s): 06/30/08 06/30/08

Init. Calib. Times: 1100 1525

GC Column: ZB-1 ID: 0.25 (mm)

COMPOUND	RRF or AMOUNT	RRF20.000 or AMOUNT	CCAL RRF20.000	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE	
TPH Peaks C9-C36	310.80000	280.00000	6561.2000	0.01	11.00	20.00	LINR	
C-9	22.609000	20.000000	6560.2000	0.01	13.04	20.00	LINR	
C-10	22.243000	20.000000	6483.6000	0.01	11.22	20.00	LINR	
C-12	25.069000	20.000000	6860.8000	0.01	25.34	20.00	LINR	<-
C-14	22.857000	20.000000	6808.4000	0.01	14.28	20.00	LINR	
C-16	22.588000	20.000000	6714.0000	0.01	12.94	20.00	LINR	
C-18	22.420000	20.000000	6689.0000	0.01	12.10	20.00	LINR	
C-19	22.468000	20.000000	6699.4000	0.01	12.34	20.00	LINR	
C-20	22.416000	20.000000	6755.0000	0.01	12.08	20.00	LINR	
C-22	22.155000	20.000000	6677.0000	0.01	10.78	20.00	LINR	
C-24	22.154000	20.000000	6669.8000	0.01	10.77	20.00	LINR	
C-26	22.034000	20.000000	6531.6000	0.01	10.17	20.00	LINR	
C-28	22.114000	20.000000	6666.4000	0.01	10.57	20.00	LINR	
C-30	21.944000	20.000000	6627.4000	0.01	9.72	20.00	LINR	
C-36	17.724000	20.000000	5113.6000	0.01	-11.38	20.00	LINR	
O-Terphenyl	9.7101000	8.0000000	8065.5000	0.01	21.38	20.00	LINR	<-

FORM VII DRO

FORM 7B
SEMIVOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 426 NLON SDG No.: CTO426-5

Instrument ID: GC10 Calibration Date: 09/23/08 Time: 0524

Lab File ID: ABI2341 Init. Calib. Date(s): 06/30/08 06/30/08

Init. Calib. Times: 1100 1525

GC Column: ZB-1 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
TPH Peaks C9-C36	745.36000	700.00000	6187.9000	0.01	6.48	20.00	LINR
C-9	53.900000	50.000000	6132.2000	0.01	7.80	20.00	LINR
C-10	53.428000	50.000000	6148.5000	0.01	6.86	20.00	LINR
C-12	54.190000	50.000000	6101.3000	0.01	8.38	20.00	LINR
C-14	53.631000	50.000000	6243.8000	0.01	7.26	20.00	LINR
C-16	53.224000	50.000000	6183.3000	0.01	6.45	20.00	LINR
C-18	53.098000	50.000000	6221.1000	0.01	6.20	20.00	LINR
C-19	52.907000	50.000000	6197.0000	0.01	5.81	20.00	LINR
C-20	52.860000	50.000000	6243.4000	0.01	5.72	20.00	LINR
C-22	53.184000	50.000000	6263.7000	0.01	6.37	20.00	LINR
C-24	52.476000	50.000000	6176.1000	0.01	4.95	20.00	LINR
C-26	53.157000	50.000000	6177.6000	0.01	6.31	20.00	LINR
C-28	53.596000	50.000000	6312.5000	0.01	7.19	20.00	LINR
C-30	53.154000	50.000000	6325.5000	0.01	6.31	20.00	LINR
C-36	52.557000	50.000000	5904.4000	0.01	5.11	20.00	LINR
O-Terphenyl	23.050000	20.000000	7464.6000	0.01	15.25	20.00	LINR

FORM VII DRO

FORM 7B
SEMIVOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 426 NLON SDG No.: CTO426-5

Instrument ID: GC10 Calibration Date: 09/23/08 Time: 1214

Lab File ID: ABI2344A Init. Calib. Date(s): 06/30/08 06/30/08

Init. Calib. Times: 1100 1525

GC Column: ZB-1 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
TPH Peaks C9-C36	742.54000	700.00000	6164.5000	0.01	6.08	20.00	LINR
C-9	53.472000	50.000000	6084.2000	0.01	6.94	20.00	LINR
C-10	53.717000	50.000000	6181.5000	0.01	7.43	20.00	LINR
C-12	54.660000	50.000000	6155.5000	0.01	9.32	20.00	LINR
C-14	53.084000	50.000000	6181.3000	0.01	6.17	20.00	LINR
C-16	53.032000	50.000000	6161.4000	0.01	6.06	20.00	LINR
C-18	52.902000	50.000000	6198.5000	0.01	5.80	20.00	LINR
C-19	52.536000	50.000000	6154.1000	0.01	5.07	20.00	LINR
C-20	52.956000	50.000000	6254.6000	0.01	5.91	20.00	LINR
C-22	52.962000	50.000000	6237.9000	0.01	5.92	20.00	LINR
C-24	52.617000	50.000000	6192.5000	0.01	5.23	20.00	LINR
C-26	52.160000	50.000000	6063.4000	0.01	4.32	20.00	LINR
C-28	52.351000	50.000000	6168.3000	0.01	4.70	20.00	LINR
C-30	52.843000	50.000000	6288.9000	0.01	5.69	20.00	LINR
C-36	53.252000	50.000000	5981.4000	0.01	6.50	20.00	LINR
O-Terphenyl	23.197000	20.000000	7511.4000	0.01	15.98	20.00	LINR

FORM VII DRO

FORM 7B
SEMIVOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 426 NLON SDG No.: CTO426-5

Instrument ID: GC10 Calibration Date: 09/23/08 Time: 2250

Lab File ID: ABI2357 Init. Calib. Date(s): 06/30/08 06/30/08

Init. Calib. Times: 1100 1525

GC Column: ZB-1 ID: 0.25 (mm)

COMPOUND	RRF or AMOUNT	RRF20.000 or AMOUNT	CCAL RRF20.000	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE	
TPH Peaks C9-C36	302.25000	280.00000	6381.7000	0.01	7.95	20.00	LINR	
C-9	20.841000	20.000000	6064.4000	0.01	4.20	20.00	LINR	
C-10	20.637000	20.000000	6025.8000	0.01	3.18	20.00	LINR	
C-12	23.280000	20.000000	6345.0000	0.01	16.40	20.00	LINR	
C-14	20.997000	20.000000	6276.7000	0.01	4.98	20.00	LINR	
C-16	20.825000	20.000000	6211.0000	0.01	4.12	20.00	LINR	
C-18	20.711000	20.000000	6195.0000	0.01	3.56	20.00	LINR	
C-19	20.774000	20.000000	6209.8000	0.01	3.87	20.00	LINR	
C-20	20.793000	20.000000	6283.2000	0.01	3.96	20.00	LINR	
C-22	20.601000	20.000000	6227.1000	0.01	3.00	20.00	LINR	
C-24	24.043000	20.000000	7216.4000	0.01	20.22	20.00	LINR	<-
C-26	23.845000	20.000000	7050.2000	0.01	19.22	20.00	LINR	
C-28	24.382000	20.000000	7323.1000	0.01	21.91	20.00	LINR	<-
C-30	18.355000	20.000000	5571.0000	0.01	-8.22	20.00	LINR	
C-36	22.168000	20.000000	6344.4000	0.01	10.84	20.00	LINR	
O-Terphenyl	8.9727000	8.0000000	7479.8000	0.01	12.16	20.00	LINR	

FORM VII DRO

FORM 7B
SEMIVOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 426 NLON SDG No.: CTO426-5

Instrument ID: GC10 Calibration Date: 09/24/08 Time: 0717

Lab File ID: ABI2370 Init. Calib. Date(s): 06/30/08 06/30/08

Init. Calib. Times: 1100 1525

GC Column: ZB-1 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
TPH Peaks C9-C36	756.64000	700.00000	6280.0000	0.01	8.09	20.00	LINR
C-9	54.686000	50.000000	6220.4000	0.01	9.37	20.00	LINR
C-10	54.685000	50.000000	6291.9000	0.01	9.37	20.00	LINR
C-12	55.839000	50.000000	6291.4000	0.01	11.68	20.00	LINR
C-14	54.432000	50.000000	6335.4000	0.01	8.86	20.00	LINR
C-16	54.246000	50.000000	6299.9000	0.01	8.49	20.00	LINR
C-18	54.247000	50.000000	6353.9000	0.01	8.49	20.00	LINR
C-19	53.965000	50.000000	6319.2000	0.01	7.93	20.00	LINR
C-20	53.959000	50.000000	6371.3000	0.01	7.92	20.00	LINR
C-22	54.814000	50.000000	6452.3000	0.01	9.63	20.00	LINR
C-24	53.988000	50.000000	6351.1000	0.01	7.98	20.00	LINR
C-26	53.325000	50.000000	6196.8000	0.01	6.65	20.00	LINR
C-28	53.242000	50.000000	6271.5000	0.01	6.48	20.00	LINR
C-30	51.718000	50.000000	6156.4000	0.01	3.44	20.00	LINR
C-36	53.498000	50.000000	6008.7000	0.01	7.00	20.00	LINR
O-Terphenyl	23.634000	20.000000	7650.2000	0.01	18.17	20.00	LINR

FORM VII DRO

FORM 7B
SEMIVOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 426 NLON SDG No.: CTO426-5

Instrument ID: GC10 Calibration Date: 09/24/08 Time: 1202

Lab File ID: ABI2373 Init. Calib. Date(s): 06/30/08 06/30/08

Init. Calib. Times: 1100 1525

GC Column: ZB-1 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
TPH Peaks C9-C36	752.49000	700.00000	6246.4000	0.01	7.50	20.00	LINR
C-9	54.386000	50.000000	6186.8000	0.01	8.77	20.00	LINR
C-10	54.440000	50.000000	6263.9000	0.01	8.88	20.00	LINR
C-12	55.237000	50.000000	6222.0000	0.01	10.47	20.00	LINR
C-14	53.529000	50.000000	6232.2000	0.01	7.06	20.00	LINR
C-16	53.411000	50.000000	6204.7000	0.01	6.82	20.00	LINR
C-18	53.552000	50.000000	6273.6000	0.01	7.10	20.00	LINR
C-19	53.501000	50.000000	6265.7000	0.01	7.00	20.00	LINR
C-20	53.673000	50.000000	6338.1000	0.01	7.35	20.00	LINR
C-22	53.464000	50.000000	6296.1000	0.01	6.93	20.00	LINR
C-24	53.650000	50.000000	6312.0000	0.01	7.30	20.00	LINR
C-26	52.586000	50.000000	6112.3000	0.01	5.17	20.00	LINR
C-28	53.420000	50.000000	6292.0000	0.01	6.84	20.00	LINR
C-30	54.093000	50.000000	6436.1000	0.01	8.19	20.00	LINR
C-36	53.549000	50.000000	6014.3000	0.01	7.10	20.00	LINR
O-Terphenyl	23.214000	20.000000	7516.6000	0.01	16.07	20.00	LINR

FORM VII DRO

FORM 7B
SEMIVOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 426 NLON SDG No.: CTO426-5

Instrument ID: GC10 Calibration Date: 09/24/08 Time: 2245

Lab File ID: ABI2387 Init. Calib. Date(s): 06/30/08 06/30/08

Init. Calib. Times: 1100 1525

GC Column: ZB-1 ID: 0.25 (mm)

COMPOUND	RRF or AMOUNT	RRF20.000 or AMOUNT	CCAL RRF20.000	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE	
TPH Peaks C9-C36	301.51000	280.00000	6368.2000	0.01	7.68	20.00	LINR	
C-9	21.742000	20.000000	6317.0000	0.01	8.71	20.00	LINR	
C-10	23.620000	20.000000	6876.0000	0.01	18.10	20.00	LINR	
C-12	24.157000	20.000000	6597.8000	0.01	20.78	20.00	LINR	<-
C-14	21.647000	20.000000	6462.4000	0.01	8.24	20.00	LINR	
C-16	21.389000	20.000000	6371.9000	0.01	6.94	20.00	LINR	
C-18	21.238000	20.000000	6347.4000	0.01	6.19	20.00	LINR	
C-19	21.324000	20.000000	6368.6000	0.01	6.62	20.00	LINR	
C-20	21.270000	20.000000	6421.8000	0.01	6.35	20.00	LINR	
C-22	21.103000	20.000000	6372.6000	0.01	5.52	20.00	LINR	
C-24	21.145000	20.000000	6378.0000	0.01	5.72	20.00	LINR	
C-26	21.116000	20.000000	6268.6000	0.01	5.58	20.00	LINR	
C-28	21.014000	20.000000	6347.8000	0.01	5.07	20.00	LINR	
C-30	21.069000	20.000000	6369.8000	0.01	5.34	20.00	LINR	
C-36	19.677000	20.000000	5654.8000	0.01	-1.62	20.00	LINR	
O-Terphenyl	9.1755000	8.0000000	7640.9000	0.01	14.69	20.00	LINR	

FORM VII DRO

FORM 8
DRO ANALYTICAL SEQUENCE

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 426 NLON SDG No.: CTO426-5

GC Column: ZB-1 ID: 0.25 (mm) Init. Calib. Date(s): 06/30/08 06/30/08

Instrument ID: GC10

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION
S1 : 12.70

	CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	S1 RT #	RT #
01		PHC 50UG/ML	06/30/08	1100	12.71	
02		PHC 200UG/ML	06/30/08	1156	12.72	
03		PHC 100UG/ML	06/30/08	1328	12.72	
04		PHC 20UG/ML	06/30/08	1407	12.71	
05		PHC 5UG/ML	06/30/08	1525	12.70	
06		IND 50UG/ML	06/30/08	1604		
07		PHC 50UG/ML	09/22/08	1210	12.69	
08	WG55724-BLAN	WG55724-1	09/22/08	1632	12.69	
09	WG55724-LCS	WG55724-2	09/22/08	1710	12.70	
10	WG55724-LCSD	WG55724-3	09/22/08	1748	12.69	
11	AWD-GW-MWDUP	SB5123-1	09/22/08	1826	12.68	
12	AWD-GW-MW102	SB5123-2	09/22/08	1905	12.68	
13	AWD-GW-MW101	SB5123-3	09/22/08	1944	12.68	
14	AWD-GW-MW305	SB5123-4	09/22/08	2022	12.68	
15	AWD-GW-MW404	SB5123-5	09/22/08	2101	12.68	
16	AWD-GW-MW304	SB5123-6	09/22/08	2139	12.68	
17	AWD-GW-MW402	SB5123-7	09/22/08	2218	12.68	
18		PHC 20UG/ML	09/23/08	0013	12.68	
19	AWD-GW-MW403	SB5123-8	09/23/08	0052	12.68	
20	AWD-GW-MW401	SB5123-9	09/23/08	0131	12.68	

QC LIMITS
S1 = O-Terphenyl (+/- 0.38 MINUTES)

Column used to flag retention time values with an asterisk.
* Values outside of QC limits.

FORM VIII DRO

FORM 8
DRO ANALYTICAL SEQUENCE

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 426 NLON SDG No.: CTO426-5

GC Column: ZB-1 ID: 0.25 (mm) Init. Calib. Date(s): 06/30/08 06/30/08

Instrument ID: GC10

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION
S1 : 12.70

	CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	S1 RT #	RT #
01	AWD-GW-MW104	SB5123-10	09/23/08	0209	12.68	
02	AWD-GW-MW103	SB5123-11	09/23/08	0248	12.68	
03		PHC 50UG/ML	09/23/08	0524	12.68	
04		PHC 50UG/ML	09/23/08	1214	12.70	
05	WG55625-BLAN	WG55625-1	09/23/08	1702	12.71	
06	WG55625-LCS	WG55625-2	09/23/08	1740	12.71	
07	WG55625-LCSD	WG55625-3	09/23/08	1819	12.69	
08	D-GW-MW14-09	WG55625-4	09/23/08	1857	12.68	
09	D-GW-MW14-09	WG55625-5	09/23/08	1936	12.68	
10		PHC 20UG/ML	09/23/08	2250	12.68	
11	AWD-GW-MW302	SB5084-4	09/24/08	0046	12.68	
12	AWD-GW-MW303	SB5084-5	09/24/08	0125	12.68	
13	AWD-SW1-0909	SB5084-6	09/24/08	0204	12.67	
14	AWD-SW-DUP01	SB5084-7	09/24/08	0244	12.67	
15	AWD-PZ203-09	SB5084-8	09/24/08	0323	12.67	
16	AWD-GW-MW202	SB5084-9	09/24/08	0402	12.67	
17	D-GW-MW14-09	SB5084-10	09/24/08	0441	12.67	
18		PHC 50UG/ML	09/24/08	0717	12.67	
19		PHC 50UG/ML	09/24/08	1202	12.69	
20	AWD-GW-MW201	SB5084-1RA	09/24/08	1618	12.69	

QC LIMITS
S1 = O-Terphenyl (+/- 0.38 MINUTES)

Column used to flag retention time values with an asterisk.
* Values outside of QC limits.

FORM VIII DRO

FORM 8
DRO ANALYTICAL SEQUENCE

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 426 NLON SDG No.: CTO426-5

GC Column: ZB-1 ID: 0.25 (mm) Init. Calib. Date(s): 06/30/08 06/30/08

Instrument ID: GC10

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION
S1 : 12.70

	CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	S1 RT #	RT #
01	AWD-GW-MW301	SB5084-2RA	09/24/08	1656	12.69	
02	AWD-GW-DUP01	SB5084-3RA	09/24/08	1734	12.69	
03		PHC 20UG/ML	09/24/08	2245	12.67	
04						
05						
06						
07						
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09						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						

QC LIMITS
S1 = O-Terphenyl (+/- 0.38 MINUTES)

Column used to flag retention time values with an asterisk.
* Values outside of QC limits.

FORM VIII DRO

VOLATILES DATA

QC Summary Section

FORM 2
WATER VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 426 NLON SDG No.: CTO426-5

	CLIENT SAMPLE ID	LAB SAMPLE ID	SMC1 DBF#	SMC2 DCA#	SMC3 TOL#	SMC4 BFB#	TOT OUT
01	WG55628-LCS	WG55628-1	92	84	87	85	0
02	WG55628-BLANK	WG55628-2	88	85	90	88	0
03	AWD-TB-090908	SB5084-11	88	84	86	85	0
04	AWD-GW-MW201-090809	SB5084-1	90	85	90	84	0
05	AWD-GW-MW301-090908	SB5084-2	90	84	91	90	0
06	AWD-GW-DUP01	SB5084-3	89	84	89	85	0
07	AWD-GW-MW302-090908	SB5084-4	88	84	91	86	0
08	AWD-GW-MW303-090908	SB5084-5	88	86	90	89	0
09	AWD-SW1-090908	SB5084-6	88	84	88	86	0
10	AWD-SW-DUP01	SB5084-7	86	84	89	82	0
11	AWD-PZ203-090908	SB5084-8	88	84	88	87	0
12	AWD-GW-MW202-090808	SB5084-9	86	86	91	88	0
13	D-GW-MW14-090908	SB5084-10	87	85	87	86	0
14	D-GW-MW14-090908MS	WG55628-3	90	84	90	85	0
15	D-GW-MW14-090908MSD	WG55628-4	89	85	93	87	0
16	WG55717-LCS	WG55717-1	79	77	80	106	0
17	WG55717-BLANK	WG55717-2	87	84	87	104	0
18	AWD-TB-091108	SB5123-12	83	85	81	102	0
19	AWD-GW-MWDUP02	SB5123-1	86	85	83	109	0
20	AWD-GW-MW102-091008	SB5123-2	88	86	86	106	0
21	AWD-GW-MW101-091008	SB5123-3	85	85	88	105	0
22	AWD-GW-MW305-091008	SB5123-4	86	85	88	105	0
23	AWD-GW-MW404-091008	SB5123-5	86	88	88	109	0
24	AWD-GW-MW304-091008	SB5123-6	84	88	80	106	0
25	AWD-GW-MW402-091008	SB5123-7	90	92	82	101	0
26	AWD-GW-MW403-091008	SB5123-8	84	86	83	107	0
27	AWD-GW-MW401-091008	SB5123-9	87	88	86	107	0
28	AWD-GW-MW104-091008	SB5123-10	86	88	83	105	0

		QC LIMITS
SMC1 (DBF)	= Dibromofluoromethane	(79-110)
SMC2 (DCA)	= 1,2-Dichloroethane-D4	(72-117)
SMC3 (TOL)	= Toluene-D8	(74-113)
SMC4 (BFB)	= P-Bromofluorobenzene	(73-110)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D System Monitoring Compound diluted out

FORM 2
WATER VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 426 NLON SDG No.: CTO426-5

	CLIENT SAMPLE ID	LAB SAMPLE ID	SMC1 DBF#	SMC2 DCA#	SMC3 TOL#	SMC4 BFB#	TOT OUT
01	WG55748-LCS	WG55748-1	89	82	89	86	0
02	WG55748-BLANK	WG55748-2	88	81	88	85	0
03	AWD-GW-MW103-091008	SB5123-11RA	86	83	90	85	0
04							
05							
06							
07							
08							
09							
10							
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28							

		QC LIMITS
SMC1 (DBF)	= Dibromofluoromethane	(79-110)
SMC2 (DCA)	= 1,2-Dichloroethane-D4	(72-117)
SMC3 (TOL)	= Toluene-D8	(74-113)
SMC4 (BFB)	= P-Bromofluorobenzene	(73-110)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D System Monitoring Compound diluted out

FORM 4
VOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE ID

WG55717-BLANK

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 426 NLON SDG No.: CTO426-5

Lab File ID: F1740 Lab Sample ID: WG55717-2

Date Analyzed: 09/15/08 Time Analyzed: 1432

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) N

Instrument ID: GCMS-F

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	WG55717-LCS	WG55717-1	F1737	09/15/08	1218
02	AWD-TB-091108	SB5123-12	F1741	09/15/08	1515
03	AWD-GW-MWDUP02	SB5123-1	F1742	09/15/08	1546
04	AWD-GW-MW102-091008	SB5123-2	F1743	09/15/08	1616
05	AWD-GW-MW101-091008	SB5123-3	F1744	09/15/08	1647
06	AWD-GW-MW305-091008	SB5123-4	F1745	09/15/08	1718
07	AWD-GW-MW404-091008	SB5123-5	F1746	09/15/08	1749
08	AWD-GW-MW304-091008	SB5123-6	F1747	09/15/08	1820
09	AWD-GW-MW402-091008	SB5123-7	F1748	09/15/08	1852
10	AWD-GW-MW403-091008	SB5123-8	F1749	09/15/08	1924
11	AWD-GW-MW401-091008	SB5123-9	F1750	09/15/08	1956
12	AWD-GW-MW104-091008	SB5123-10	F1751	09/15/08	2027
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COMMENTS:

FORM IVVOA

FORM 4
VOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE ID

WG55628-BLANK

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 426 NLON SDG No.: CTO426-5

Lab File ID: S2853 Lab Sample ID: WG55628-2

Date Analyzed: 09/12/08 Time Analyzed: 1043

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	WG55628-LCS	WG55628-1	S2851	09/12/08	0929
02	AWD-TB-090908	SB5084-11	S2855	09/12/08	1155
03	AWD-GW-MW201-090809	SB5084-1	S2856	09/12/08	1227
04	AWD-GW-MW301-090908	SB5084-2	S2857	09/12/08	1258
05	AWD-GW-DUP01	SB5084-3	S2858	09/12/08	1329
06	AWD-GW-MW302-090908	SB5084-4	S2859	09/12/08	1400
07	AWD-GW-MW303-090908	SB5084-5	S2860	09/12/08	1431
08	AWD-SW1-090908	SB5084-6	S2861	09/12/08	1502
09	AWD-SW-DUP01	SB5084-7	S2862	09/12/08	1533
10	AWD-PZ203-090908	SB5084-8	S2863	09/12/08	1604
11	AWD-GW-MW202-090808	SB5084-9	S2864	09/12/08	1636
12	D-GW-MW14-090908	SB5084-10	S2865	09/12/08	1707
13	D-GW-MW14-090908MS	WG55628-3	S2868	09/12/08	1841
14	D-GW-MW14-090908MSD	WG55628-4	S2869	09/12/08	1913
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COMMENTS:

FORM IVVOA

FORM 4
VOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE ID

WG55748-BLANK

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 426 NLON SDG No.: CTO426-5

Lab File ID: S2928 Lab Sample ID: WG55748-2

Date Analyzed: 09/16/08 Time Analyzed: 1143

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	WG55748-LCS	WG55748-1	S2926	09/16/08	1030
02	AWD-GW-MW103-091008	SB5123-11RA	S2931	09/16/08	1316
03					
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COMMENTS:

FORM IVVOA

FORM 5
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 426 NLON SDG No.: CTO426-5

Lab File ID: FB004 BFB Injection Date: 09/05/08

Instrument ID: GCMS-F BFB Injection Time: 1109

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	22.7
75	30.0 - 60.0% of mass 95	52.2
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	7.5
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	Greater than 50.0% of mass 95	94.9
175	5.0 - 9.0% of mass 174	7.2 (7.5)1
176	95.0 - 101.0% of mass 174	94.4 (99.5)1
177	5.0 - 9.0% of mass 176	7.4 (7.8)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		VSTD200F05A	F1666	09/05/08	1133
02		VSTD100F05A	F1667	09/05/08	1203
03		VSTD050F05A	F1668	09/05/08	1234
04		VSTD020F05A	F1669	09/05/08	1305
05		VSTD005F05A	F1670	09/05/08	1335
06		VSTD001F05A	F1671	09/05/08	1406
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FORM V VOA

FORM 5
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 426 NLON SDG No.: CTO426-5

Lab File ID: FB009 BFB Injection Date: 09/15/08

Instrument ID: GCMS-F BFB Injection Time: 1029

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	25.4
75	30.0 - 60.0% of mass 95	56.2
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.3
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	Greater than 50.0% of mass 95	96.7
175	5.0 - 9.0% of mass 174	5.4 (5.6)1
176	95.0 - 101.0% of mass 174	96.4 (99.8)1
177	5.0 - 9.0% of mass 176	7.2 (7.5)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01		VSTD050F15A	F1735	09/15/08	1052
02	WG55717-LCS	WG55717-1	F1737	09/15/08	1218
03	WG55717-BLANK	WG55717-2	F1740	09/15/08	1432
04	AWD-TB-091108	SB5123-12	F1741	09/15/08	1515
05	AWD-GW-MWDUP02	SB5123-1	F1742	09/15/08	1546
06	AWD-GW-MW102-091008	SB5123-2	F1743	09/15/08	1616
07	AWD-GW-MW101-091008	SB5123-3	F1744	09/15/08	1647
08	AWD-GW-MW305-091008	SB5123-4	F1745	09/15/08	1718
09	AWD-GW-MW404-091008	SB5123-5	F1746	09/15/08	1749
10	AWD-GW-MW304-091008	SB5123-6	F1747	09/15/08	1820
11	AWD-GW-MW402-091008	SB5123-7	F1748	09/15/08	1852
12	AWD-GW-MW403-091008	SB5123-8	F1749	09/15/08	1924
13	AWD-GW-MW401-091008	SB5123-9	F1750	09/15/08	1956
14	AWD-GW-MW104-091008	SB5123-10	F1751	09/15/08	2027
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FORM V VOA

FORM 5
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 426 NLON SDG No.: CTO426-5

Lab File ID: SB918 BFB Injection Date: 09/10/08

Instrument ID: GCMS-S BFB Injection Time: 1327

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	27.6
75	30.0 - 60.0% of mass 95	45.1
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	7.0
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	Greater than 50.0% of mass 95	51.7
175	5.0 - 9.0% of mass 174	3.9 (7.6)1
176	95.0 - 101.0% of mass 174	50.6 (97.8)1
177	5.0 - 9.0% of mass 176	3.1 (6.2)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		VSTD200S10A	S2826	09/10/08	1422
02		VSTD100S10A	S2827	09/10/08	1453
03		VSTD050S10B	S2828	09/10/08	1524
04		VSTD020S10A	S2829	09/10/08	1555
05		VSTD005S10A	S2830	09/10/08	1626
06		VSTD001S10A	S2831	09/10/08	1657
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13					
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17					
18					
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22					

FORM V VOA

FORM 5
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 426 NLON SDG No.: CTO426-5

Lab File ID: SB920 BFB Injection Date: 09/12/08

Instrument ID: GCMS-S BFB Injection Time: 0823

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	21.5
75	30.0 - 60.0% of mass 95	46.7
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	5.9
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	Greater than 50.0% of mass 95	73.7
175	5.0 - 9.0% of mass 174	5.7 (7.8)1
176	95.0 - 101.0% of mass 174	73.2 (99.2)1
177	5.0 - 9.0% of mass 176	5.1 (7.0)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01		VSTD050S12A	S2850	09/12/08	0847
02	WG55628-LCS	WG55628-1	S2851	09/12/08	0929
03	WG55628-BLANK	WG55628-2	S2853	09/12/08	1043
04	AWD-TB-090908	SB5084-11	S2855	09/12/08	1155
05	AWD-GW-MW201-090809	SB5084-1	S2856	09/12/08	1227
06	AWD-GW-MW301-090908	SB5084-2	S2857	09/12/08	1258
07	AWD-GW-DUP01	SB5084-3	S2858	09/12/08	1329
08	AWD-GW-MW302-090908	SB5084-4	S2859	09/12/08	1400
09	AWD-GW-MW303-090908	SB5084-5	S2860	09/12/08	1431
10	AWD-SW1-090908	SB5084-6	S2861	09/12/08	1502
11	AWD-SW-DUP01	SB5084-7	S2862	09/12/08	1533
12	AWD-PZ203-090908	SB5084-8	S2863	09/12/08	1604
13	AWD-GW-MW202-090808	SB5084-9	S2864	09/12/08	1636
14	D-GW-MW14-090908	SB5084-10	S2865	09/12/08	1707
15	D-GW-MW14-090908MS	WG55628-3	S2868	09/12/08	1841
16	D-GW-MW14-090908MSD	WG55628-4	S2869	09/12/08	1913
17					
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FORM V VOA

FORM 5
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 426 NLON SDG No.: CTO426-5

Lab File ID: SB922 BFB Injection Date: 09/16/08

Instrument ID: GCMS-S BFB Injection Time: 0925

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	21.1
75	30.0 - 60.0% of mass 95	45.4
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	7.6
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	Greater than 50.0% of mass 95	71.2
175	5.0 - 9.0% of mass 174	4.9 (6.9)1
176	95.0 - 101.0% of mass 174	69.4 (97.4)1
177	5.0 - 9.0% of mass 176	4.6 (6.6)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01		VSTD050S16A	S2925	09/16/08	0948
02	WG55748-LCS	WG55748-1	S2926	09/16/08	1030
03	WG55748-BLANK	WG55748-2	S2928	09/16/08	1143
04	AWD-GW-MW103-091008	SB5123-11RA	S2931	09/16/08	1316
05					
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FORM V VOA

FORM 8
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 426 NLON SDG No.: CTO426-5

Lab File ID (Standard): F1735 Date Analyzed: 09/15/08

Instrument ID: GCMS-F Time Analyzed: 1052

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) N

	IS1(PFB) AREA #	RT #	IS2(DFB) AREA #	RT #	IS3(CBZ) AREA #	RT #
12 HOUR STD	1031231	8.39	1434445	9.23	1217306	12.70
UPPER LIMIT	2062462	8.89	2868890	9.73	2434612	13.20
LOWER LIMIT	515616	7.89	717223	8.73	608653	12.20

	CLIENT SAMPLE ID	LAB SAMPLE ID						
01	WG55717-LCS	WG55717-1	1122058	8.39	1487367	9.22	1302180	12.69
02	WG55717-BLANK	WG55717-2	961981	8.38	1326429	9.23	1177754	12.70
03	AWD-TB-091108	SB5123-12	984889	8.37	1333535	9.22	1177109	12.69
04	AWD-GW-MWDUP02	SB5123-1	955944	8.38	1266018	9.23	1160178	12.68
05	AWD-GW-MW102-091008	SB5123-2	938547	8.38	1279466	9.23	1151471	12.68
06	AWD-GW-MW101-091008	SB5123-3	958632	8.37	1256130	9.22	1125815	12.69
07	AWD-GW-MW305-091008	SB5123-4	941836	8.37	1255735	9.22	1097936	12.69
08	AWD-GW-MW404-091008	SB5123-5	922942	8.37	1221558	9.22	1133067	12.68
09	AWD-GW-MW304-091008	SB5123-6	902136	8.36	1226516	9.21	1074697	12.68
10	AWD-GW-MW402-091008	SB5123-7	840478	8.34	1204461	9.20	1042070	12.67
11	AWD-GW-MW403-091008	SB5123-8	909514	8.35	1212828	9.19	1021630	12.68
12	AWD-GW-MW401-091008	SB5123-9	873464	8.34	1176881	9.20	1013705	12.67
13	AWD-GW-MW104-091008	SB5123-10	875280	8.34	1197130	9.19	1042363	12.67
14								
15								
16								
17								
18								
19								
20								

IS1 (PFB) = Pentafluorobenzene
IS2 (DFB) = 1,4-Difluorobenzene
IS3 (CBZ) = Chlorobenzene-D5

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

FORM VIII VOA

FORM 8
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 426 NLON SDG No.: CTO426-5

Lab File ID (Standard): F1735 Date Analyzed: 09/15/08

Instrument ID: GCMS-F Time Analyzed: 1052

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) N

		IS4(DCB) AREA #	RT #	AREA #	RT #	AREA #	RT #
12 HOUR STD		736485	15.80				
UPPER LIMIT		1472970	16.30				
LOWER LIMIT		368243	15.30				
CLIENT SAMPLE ID	LAB SAMPLE ID						
01 WG55717-LCS	WG55717-1	782876	15.79				
02 WG55717-BLANK	WG55717-2	646208	15.79				
03 AWD-TB-091108	SB5123-12	654185	15.80				
04 AWD-GW-MWDUP02	SB5123-1	643467	15.79				
05 AWD-GW-MW102-091008	SB5123-2	621548	15.79				
06 AWD-GW-MW101-091008	SB5123-3	618939	15.79				
07 AWD-GW-MW305-091008	SB5123-4	619254	15.79				
08 AWD-GW-MW404-091008	SB5123-5	603965	15.79				
09 AWD-GW-MW304-091008	SB5123-6	598509	15.78				
10 AWD-GW-MW402-091008	SB5123-7	587495	15.78				
11 AWD-GW-MW403-091008	SB5123-8	605973	15.77				
12 AWD-GW-MW401-091008	SB5123-9	601802	15.78				
13 AWD-GW-MW104-091008	SB5123-10	575130	15.77				
14							
15							
16							
17							
18							
19							
20							

IS4 (DCB) = 1,4-Dichlorobenzene-D4

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

FORM 8
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 426 NLON SDG No.: CTO426-5

Lab File ID (Standard): S2850 Date Analyzed: 09/12/08

Instrument ID: GCMS-S Time Analyzed: 0847

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) N

	IS1(PFB) AREA #	RT #	IS2(DFB) AREA #	RT #	IS3(CBZ) AREA #	RT #
12 HOUR STD	474520	9.01	732237	9.74	618564	13.16
UPPER LIMIT	949040	9.51	1464474	10.24	1237128	13.66
LOWER LIMIT	237260	8.51	366119	9.24	309282	12.66

	CLIENT SAMPLE ID	LAB SAMPLE ID						
01	WG55628-LCS	WG55628-1	458553	9.02	761006	9.74	608757	13.16
02	WG55628-BLANK	WG55628-2	486202	9.02	736244	9.74	646073	13.16
03	AWD-TB-090908	SB5084-11	469138	9.02	742846	9.74	625786	13.17
04	AWD-GW-MW201-090809	SB5084-1	470556	9.02	746211	9.75	657498	13.16
05	AWD-GW-MW301-090908	SB5084-2	474546	9.02	737479	9.75	656996	13.17
06	AWD-GW-DUP01	SB5084-3	479767	9.02	769520	9.74	650433	13.17
07	AWD-GW-MW302-090908	SB5084-4	485865	9.02	760524	9.75	653768	13.16
08	AWD-GW-MW303-090908	SB5084-5	478446	9.02	745457	9.74	643277	13.17
09	AWD-SW1-090908	SB5084-6	477797	9.02	758174	9.75	645581	13.18
10	AWD-SW-DUP01	SB5084-7	480607	9.02	758755	9.75	638212	13.18
11	AWD-PZ203-090908	SB5084-8	476034	9.02	738892	9.75	626744	13.18
12	AWD-GW-MW202-090808	SB5084-9	475133	9.03	719949	9.75	627179	13.17
13	D-GW-MW14-090908	SB5084-10	475408	9.03	741155	9.75	622251	13.17
14	D-GW-MW14-090908MS	WG55628-3	446856	9.03	710214	9.75	617188	13.17
15	D-GW-MW14-090908MSD	WG55628-4	442910	9.02	688093	9.74	586109	13.18
16								
17								
18								
19								
20								

IS1 (PFB) = Pentafluorobenzene
IS2 (DFB) = 1,4-Difluorobenzene
IS3 (CBZ) = Chlorobenzene-D5

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

FORM VIII VOA

FORM 8
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 426 NLON SDG No.: CTO426-5

Lab File ID (Standard): S2850 Date Analyzed: 09/12/08

Instrument ID: GCMS-S Time Analyzed: 0847

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) N

	IS4 (DCB) AREA #	RT #	AREA #	RT #	AREA #	RT #
12 HOUR STD	311384	16.29				
UPPER LIMIT	622768	16.79				
LOWER LIMIT	155692	15.79				

	CLIENT SAMPLE ID	LAB SAMPLE ID						
01	WG55628-LCS	WG55628-1	312228	16.29				
02	WG55628-BLANK	WG55628-2	306031	16.29				
03	AWD-TB-090908	SB5084-11	312522	16.30				
04	AWD-GW-MW201-090809	SB5084-1	310768	16.30				
05	AWD-GW-MW301-090908	SB5084-2	318669	16.30				
06	AWD-GW-DUP01	SB5084-3	314028	16.30				
07	AWD-GW-MW302-090908	SB5084-4	314688	16.30				
08	AWD-GW-MW303-090908	SB5084-5	314757	16.30				
09	AWD-SW1-090908	SB5084-6	315970	16.30				
10	AWD-SW-DUP01	SB5084-7	309821	16.30				
11	AWD-PZ203-090908	SB5084-8	304572	16.30				
12	AWD-GW-MW202-090808	SB5084-9	308672	16.30				
13	D-GW-MW14-090908	SB5084-10	311054	16.30				
14	D-GW-MW14-090908MS	WG55628-3	306498	16.30				
15	D-GW-MW14-090908MSD	WG55628-4	304303	16.30				
16								
17								
18								
19								
20								

IS4 (DCB) = 1,4-Dichlorobenzene-D4

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

FORM 8
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 426 NLON SDG No.: CTO426-5

Lab File ID (Standard): S2925 Date Analyzed: 09/16/08

Instrument ID: GCMS-S Time Analyzed: 0948

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) N

	IS1(PFB) AREA #	RT #	IS2(DFB) AREA #	RT #	IS3(CBZ) AREA #	RT #
12 HOUR STD	467124	9.01	723542	9.74	631581	13.16
UPPER LIMIT	934248	9.51	1447084	10.24	1263162	13.66
LOWER LIMIT	233562	8.51	361771	9.24	315791	12.66

	CLIENT SAMPLE ID	LAB SAMPLE ID						
01	WG55748-LCS	WG55748-1	470790	9.01	729011	9.75	642314	13.16
02	WG55748-BLANK	WG55748-2	486094	9.02	772758	9.74	655462	13.17
03	AWD-GW-MW103-091008	SB5123-11RA	481740	9.02	754754	9.74	655785	13.17
04								
05								
06								
07								
08								
09								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								

IS1 (PFB) = Pentafluorobenzene
IS2 (DFB) = 1,4-Difluorobenzene
IS3 (CBZ) = Chlorobenzene-D5

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

FORM VIII VOA

FORM 8
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 426 NLON SDG No.: CTO426-5

Lab File ID (Standard): S2925 Date Analyzed: 09/16/08

Instrument ID: GCMS-S Time Analyzed: 0948

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) N

		IS4 (DCB) AREA #	RT #	AREA #	RT #	AREA #	RT #
12 HOUR STD		312865	16.29				
UPPER LIMIT		625730	16.79				
LOWER LIMIT		156433	15.79				
CLIENT SAMPLE ID	LAB SAMPLE ID						
01 WG55748-LCS	WG55748-1	323624	16.29				
02 WG55748-BLANK	WG55748-2	321817	16.30				
03 AWD-GW-MW103-091008	SB5123-11RA	327013	16.30				
04							
05							
06							
07							
08							
09							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							

IS4 (DCB) = 1,4-Dichlorobenzene-D4

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

Sample Data Section

KATAHDIN ANALYTICAL SERVICES - ORGANIC DATA QUALIFIERS

U Indicates the compound was analyzed for but not detected above the laboratory Practical Quantitation Limit.

* Compound recovery outside of quality control limits.

D Indicates the result was obtained from analysis of a diluted sample. Surrogate recoveries may not be calculable.

E Estimated value. This flag identifies compounds whose concentrations exceed the upper level of the calibration range of the instrument for that specific analysis.

J Estimated value. The analyte was detected in the sample at a concentration less than the laboratory Practical Quantitation Limit (PQL), but above the Method Detection Limit (MDL).

or

J Used for Pesticide/Aroclor analyte when there is a greater than 40% difference for detected concentrations between the two GC columns.

B Indicates the analyte was detected in the laboratory method blank analyzed concurrently with the sample.

N Presumptive evidence of a compound based on a mass spectral library search.

A Indicates that a tentatively identified compound is a suspected aldol-condensation product.

P Used for Pesticide/Aroclor analyte when there is a greater than 25% difference for detected concentrations between the two GC columns. (for CLP methods only).

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.
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
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 09/08/08
Received Date: 09/11/08
Extraction Date:
Analysis Date: 12-SEP-2008 12:27
Report Date: 09/25/2008
Matrix: WATER
% Solids: NA

Lab ID: SB5084-1
Client ID: AWD-GW-MW201-090809
SDG: CTO426-5
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG55628
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
1634-04-4	Methyl tert-butyl ether	U	1	1.0	1	1	0.5
71-43-2	Benzene	U	1	1.0	1	1	0.3
108-88-3	Toluene	U	1	1.0	1	1	0.4
100-41-4	Ethylbenzene	U	1	1.0	1	1	0.3
1330-20-7	Xylenes (total)	U	3	1.0	3	3	0.3
	m+p-Xylenes	U	2	1.0	2	2	0.7
95-47-6	o-Xylene	U	1	1.0	1	1	0.3
98-82-8	Isopropylbenzene	U	1	1.0	1	1	0.4
91-20-3	Naphthalene	U	1	1.0	1	1	0.4
1868-53-7	Dibromofluoromethane		90%				
17060-07-0	1,2-Dichloroethane-D4		85%				
2037-26-5	Toluene-D8		90%				
460-00-4	P-Bromofluorobenzene		84%				

Data File: \\Target_server\GG\chem\gcms-s.i\S091208.b\S2856.D
Report Date: 24-Sep-2008 15:37

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gcms-s.i\S091208.b\S2856.D
Lab Smp Id: SB5084-1 Client Smp ID: AWD-GW-MW201-090809
Inj Date : 12-SEP-2008 12:27 MS Autotune Date: 21-NOV-2007 15:16
Operator : SKT Inst ID: gcms-s.i
Smp Info : SB5084-1
Misc Info : SW846 8260B
Comment :
Method : \\Target_server\GG\chem\gcms-s.i\S091208.b\s826a63.m
Meth Date : 22-Sep-2008 08:52 tcote Quant Type: ISTD
Cal Date : 10-SEP-2008 16:57 Cal File: S2831.D
Als bottle: 7
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TETRAT426001.sub
Target Version: 4.12
Processing Host: MIS_2

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)	REVIEW CODE
$ 37 Dibromofluoromethane	113	8.128	8.124	(0.901)	236391	44.9872	45.0	
$ 45 1,2-Dichloroethane-D4	65	9.024	9.019	(1.000)	243044	42.5968	42.6	
$ 55 Toluene-D8	98	11.303	11.299	(1.160)	693065	44.8049	44.8	
$ 76 P-Bromofluorobenzene	95	14.757	14.753	(1.514)	263224	41.8225	41.8	
* 42 Pentafluorobenzene	168	9.024	9.019	(1.000)	470556	50.0000		
* 49 1,4-Difluorobenzene	114	9.745	9.740	(1.000)	746211	50.0000		
* 66 Chlorobenzene-D5	117	13.164	13.160	(1.000)	657498	50.0000		
* 91 1,4-Dichlorobenzene-D4	152	16.304	16.300	(1.000)	310768	50.0000		

Data File: \\Target_server\GG\chem\gcms-s.i\S091208.b\S2856.D
Report Date: 24-Sep-2008 15:37

Katahdin Analytical Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcms-s.i
Lab File ID: S2856.D
Lab Smp Id: SB5084-1
Analysis Type: VOA
Quant Type: ISTD
Operator: SKT
Calibration Date: 12-SEP-2008
Calibration Time: 08:47
Client Smp ID: AWD-GW-MW201-09
Level: LOW
Sample Type: WATER
Method File: \\Target_server\GG\chem\gcms-s.i\S091208.b\s826a63.m
Misc Info: SW846 8260B

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 4

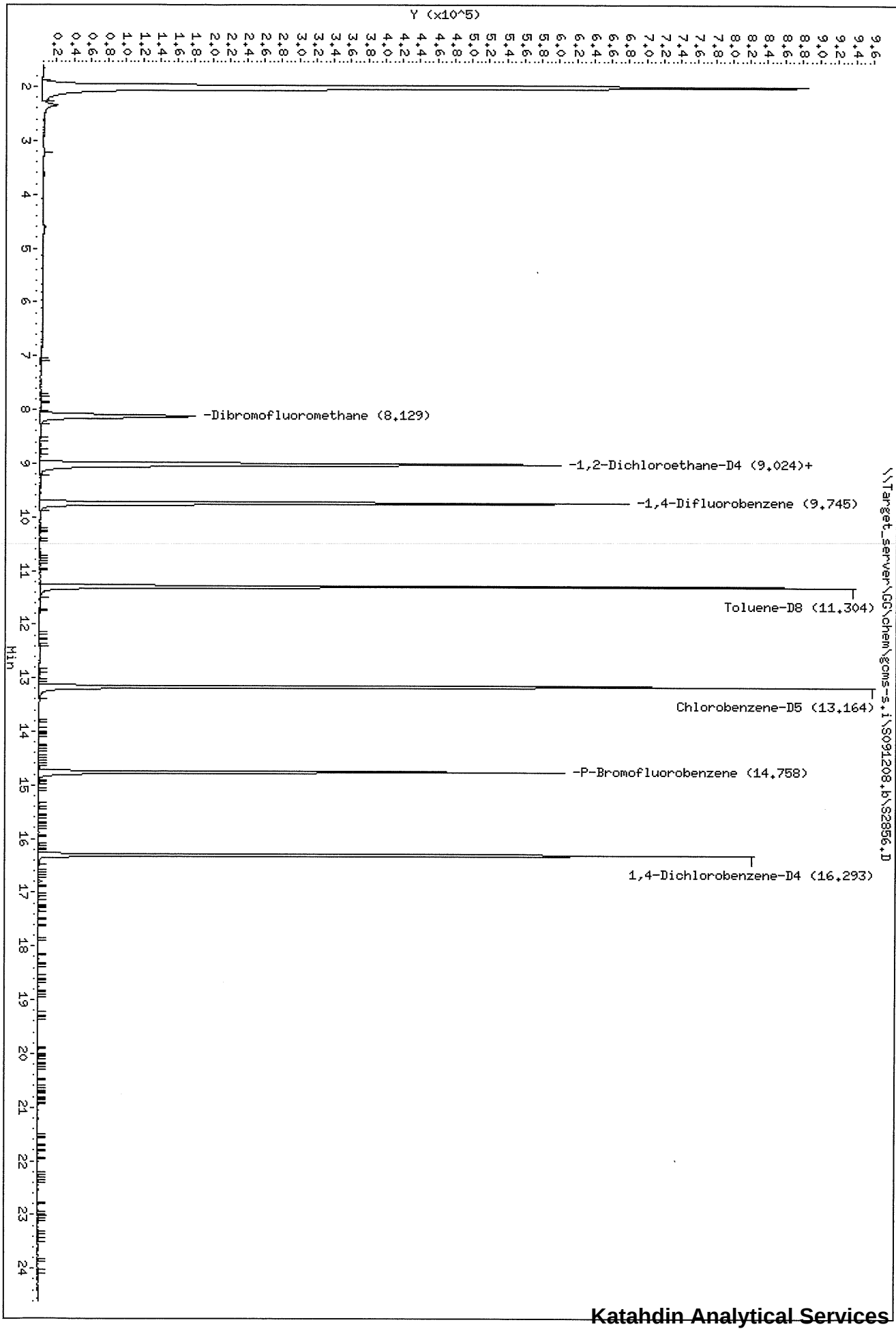
COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	474520	237260	949040	470556	-0.84
49 1,4-Difluorobenze	732237	366119	1464474	746211	1.91
66 Chlorobenzene-D5	618564	309282	1237128	657498	6.29
91 1,4-Dichlorobenze	311384	155692	622768	310768	-0.20

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	9.01	8.51	9.51	9.02	0.14
49 1,4-Difluorobenze	9.74	9.24	10.24	9.75	0.01
66 Chlorobenzene-D5	13.16	12.66	13.66	13.16	0.01
91 1,4-Dichlorobenze	16.29	15.79	16.79	16.30	0.08

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.

Data File: \\Target_server\GC\chem\gcms-s.i\S091208.b\S2856.D
Date : 12-SEP-2008 12:27
Client ID: AWD-GW-MW201-090809
Sample Info: SB5084-1

Instrument: gcms-s.i



KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 09/09/08
Received Date: 09/11/08
Extraction Date:
Analysis Date: 12-SEP-2008 12:58
Report Date: 09/25/2008
Matrix: WATER
% Solids: NA

Lab ID: SB5084-2
Client ID: AWD-GW-MW301-090908
SDG: CTO426-5
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG55628
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
1634-04-4	Methyl tert-butyl ether	U	1	1.0	1	1	0.5
71-43-2	Benzene	U	1	1.0	1	1	0.3
108-88-3	Toluene	U	1	1.0	1	1	0.4
100-41-4	Ethylbenzene	U	1	1.0	1	1	0.3
1330-20-7	Xylenes (total)	U	3	1.0	3	3	0.3
	m+p-Xylenes	U	2	1.0	2	2	0.7
95-47-6	o-Xylene	U	1	1.0	1	1	0.3
98-82-8	Isopropylbenzene	U	1	1.0	1	1	0.4
91-20-3	Naphthalene	U	1	1.0	1	1	0.4
1868-53-7	Dibromofluoromethane		90%				
17060-07-0	1,2-Dichloroethane-D4		84%				
2037-26-5	Toluene-D8		91%				
460-00-4	P-Bromofluorobenzene		90%				

Data File: \\Target_server\GG\chem\gcms-s.i\S091208.b\S2857.D
Report Date: 24-Sep-2008 15:37

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gcms-s.i\S091208.b\S2857.D
Lab Smp Id: SB5084-2 Client Smp ID: AWD-GW-MW301-090908
Inj Date : 12-SEP-2008 12:58 MS Autotune Date: 21-NOV-2007 15:16
Operator : SKT Inst ID: gcms-s.i
Smp Info : SB5084-2
Misc Info : SW846 8260B
Comment :
Method : \\Target_server\GG\chem\gcms-s.i\S091208.b\s826a63.m
Meth Date : 22-Sep-2008 08:52 tcote Quant Type: ISTD
Cal Date : 10-SEP-2008 16:57 Cal File: S2831.D
Als bottle: 8
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TETRAT426001.sub
Target Version: 4.12
Processing Host: MIS_2

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)	REVIEW CODE
$ 37 Dibromofluoromethane	113	8.122	8.124	(0.901)	239654	45.2247	45.2	
$ 45 1,2-Dichloroethane-D4	65	9.029	9.019	(1.001)	243281	42.2799	42.3	
$ 55 Toluene-D8	98	11.297	11.299	(1.159)	695432	45.4902	45.5	
$ 76 P-Bromofluorobenzene	95	14.763	14.753	(1.514)	279883	44.9959	45.0	
* 42 Pentafluorobenzene	168	9.018	9.019	(1.000)	474546	50.0000		
* 49 1,4-Difluorobenzene	114	9.750	9.740	(1.000)	737479	50.0000		
* 66 Chlorobenzene-D5	117	13.169	13.160	(1.000)	656996	50.0000		
* 91 1,4-Dichlorobenzene-D4	152	16.298	16.300	(1.000)	318669	50.0000		

Data File: \\Target_server\GG\chem\gcms-s.i\S091208.b\S2857.D
Report Date: 24-Sep-2008 15:37

Katahdin Analytical Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcms-s.i
Lab File ID: S2857.D
Lab Smp Id: SB5084-2
Analysis Type: VOA
Quant Type: ISTD
Operator: SKT
Method File: \\Target_server\GG\chem\gcms-s.i\S091208.b\s826a63.m
Misc Info: SW846 8260B

Calibration Date: 12-SEP-2008
Calibration Time: 08:47
Client Smp ID: AWD-GW-MW301-09
Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 4

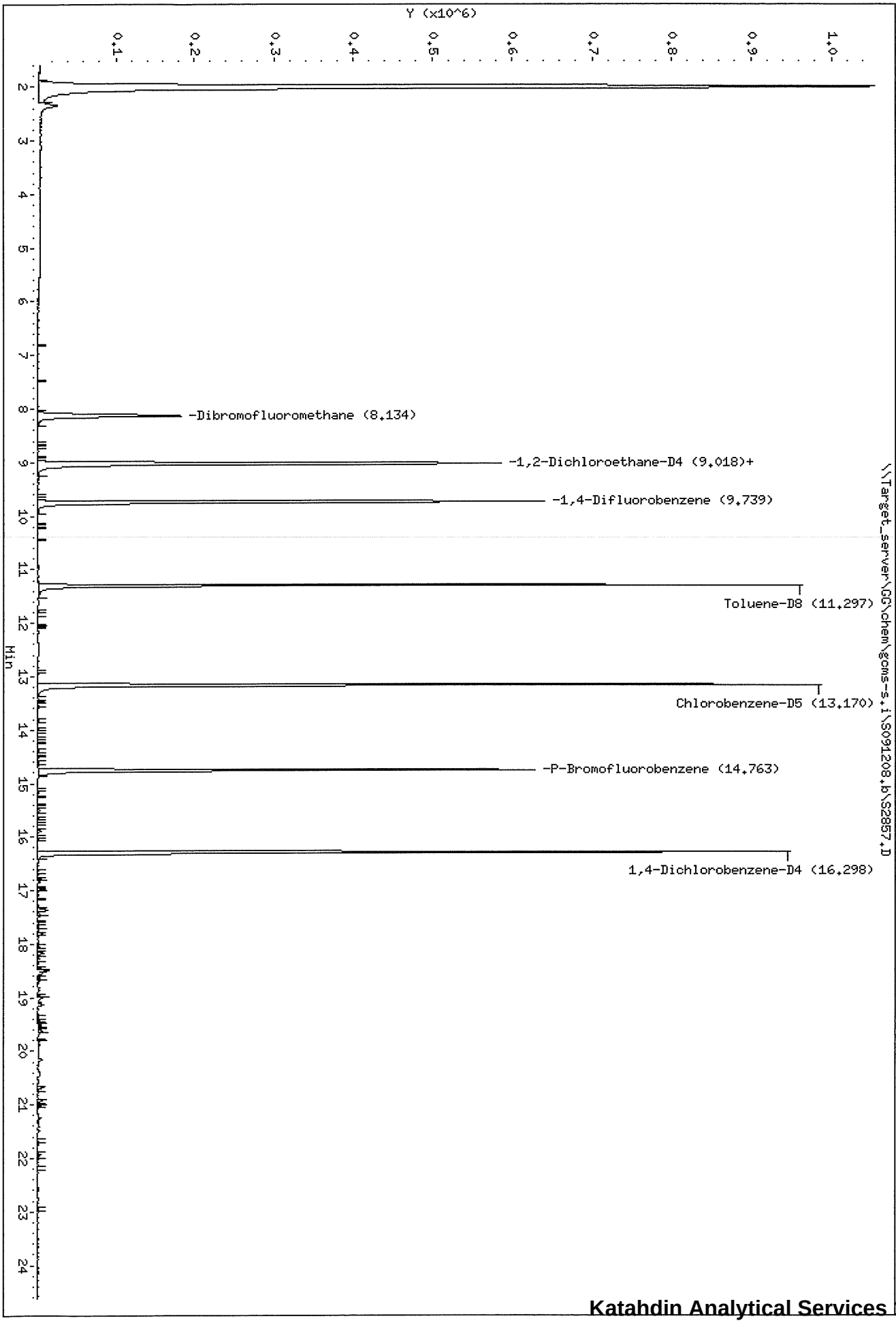
COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	474520	237260	949040	474546	0.01
49 1,4-Difluorobenze	732237	366119	1464474	737479	0.72
66 Chlorobenzene-D5	618564	309282	1237128	656996	6.21
91 1,4-Dichlorobenze	311384	155692	622768	318669	2.34

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	9.01	8.51	9.51	9.02	0.07
49 1,4-Difluorobenze	9.74	9.24	10.24	9.75	0.06
66 Chlorobenzene-D5	13.16	12.66	13.66	13.17	0.05
91 1,4-Dichlorobenze	16.29	15.79	16.79	16.30	0.04

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.

Data File: \\Target_server\GC\chem\gcms-s.i\S091208.b\S2857.D
Date : 12-SEP-2008 12:58
Client ID: AWD-GW-MW301-090908
Sample Info: SB5084-2

Instrument: gcms-s.i



KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 09/08/08
Received Date: 09/11/08
Extraction Date:
Analysis Date: 12-SEP-2008 13:29
Report Date: 09/25/2008
Matrix: WATER
% Solids: NA

Lab ID: SB5084-3
Client ID: AWD-GW-DUP01
SDG: CTO426-5
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG55628
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
1634-04-4	Methyl tert-butyl ether	U	1	1.0	1	1	0.5
71-43-2	Benzene	U	1	1.0	1	1	0.3
108-88-3	Toluene		7	1.0	1	1	0.4
100-41-4	Ethylbenzene	U	1	1.0	1	1	0.3
1330-20-7	Xylenes (total)	U	3	1.0	3	3	0.3
	m+p-Xylenes	U	2	1.0	2	2	0.7
95-47-6	o-Xylene	U	1	1.0	1	1	0.3
98-82-8	Isopropylbenzene	U	1	1.0	1	1	0.4
91-20-3	Naphthalene	U	1	1.0	1	1	0.4
1868-53-7	Dibromofluoromethane		89%				
17060-07-0	1,2-Dichloroethane-D4		84%				
2037-26-5	Toluene-D8		89%				
460-00-4	P-Bromofluorobenzene		85%				

Data File: \\Target_server\GG\chem\gcms-s.i\S091208.b\S2858.D
Report Date: 24-Sep-2008 15:37

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gcms-s.i\S091208.b\S2858.D
Lab Smp Id: SB5084-3 Client Smp ID: AWD-GW-DUP01
Inj Date : 12-SEP-2008 13:29 MS Autotune Date: 21-NOV-2007 15:16
Operator : SKT Inst ID: gcms-s.i
Smp Info : SB5084-3
Misc Info : SW846 8260B
Comment :
Method : \\Target_server\GG\chem\gcms-s.i\S091208.b\s826a63.m
Meth Date : 22-Sep-2008 08:52 tcote Quant Type: ISTD
Cal Date : 10-SEP-2008 16:57 Cal File: S2831.D
Als bottle: 9
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TETRAT426001.sub
Target Version: 4.12
Processing Host: MIS_2

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)	REVIEW CODE
57 Toluene	92	11.356	11.357	(1.166)	76044	6.87975	6.9	
$ 37 Dibromofluoromethane	113	8.123	8.124	(0.901)	239204	44.6485	44.6	
$ 45 1,2-Dichloroethane-D4	65	9.030	9.019	(1.001)	245832	42.2583	42.2	
$ 55 Toluene-D8	98	11.298	11.299	(1.160)	712350	44.6567	44.6	
$ 76 P-Bromofluorobenzene	95	14.764	14.753	(1.516)	275884	42.5062	42.5	
* 42 Pentafluorobenzene	168	9.019	9.019	(1.000)	479767	50.0000		
* 49 1,4-Difluorobenzene	114	9.740	9.740	(1.000)	769520	50.0000		
* 66 Chlorobenzene-D5	117	13.170	13.160	(1.000)	650433	50.0000		
* 91 1,4-Dichlorobenzene-D4	152	16.299	16.300	(1.000)	314028	50.0000		

Data File: \\Target_server\GG\chem\gcms-s.i\S091208.b\S2858.D
Report Date: 24-Sep-2008 15:37

Katahdin Analytical Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcms-s.i
Lab File ID: S2858.D
Lab Smp Id: SB5084-3
Analysis Type: VOA
Quant Type: ISTD
Operator: SKT
Method File: \\Target_server\GG\chem\gcms-s.i\S091208.b\s826a63.m
Misc Info: SW846 8260B

Calibration Date: 12-SEP-2008
Calibration Time: 08:47
Client Smp ID: AWD-GW-DUP01
Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 4

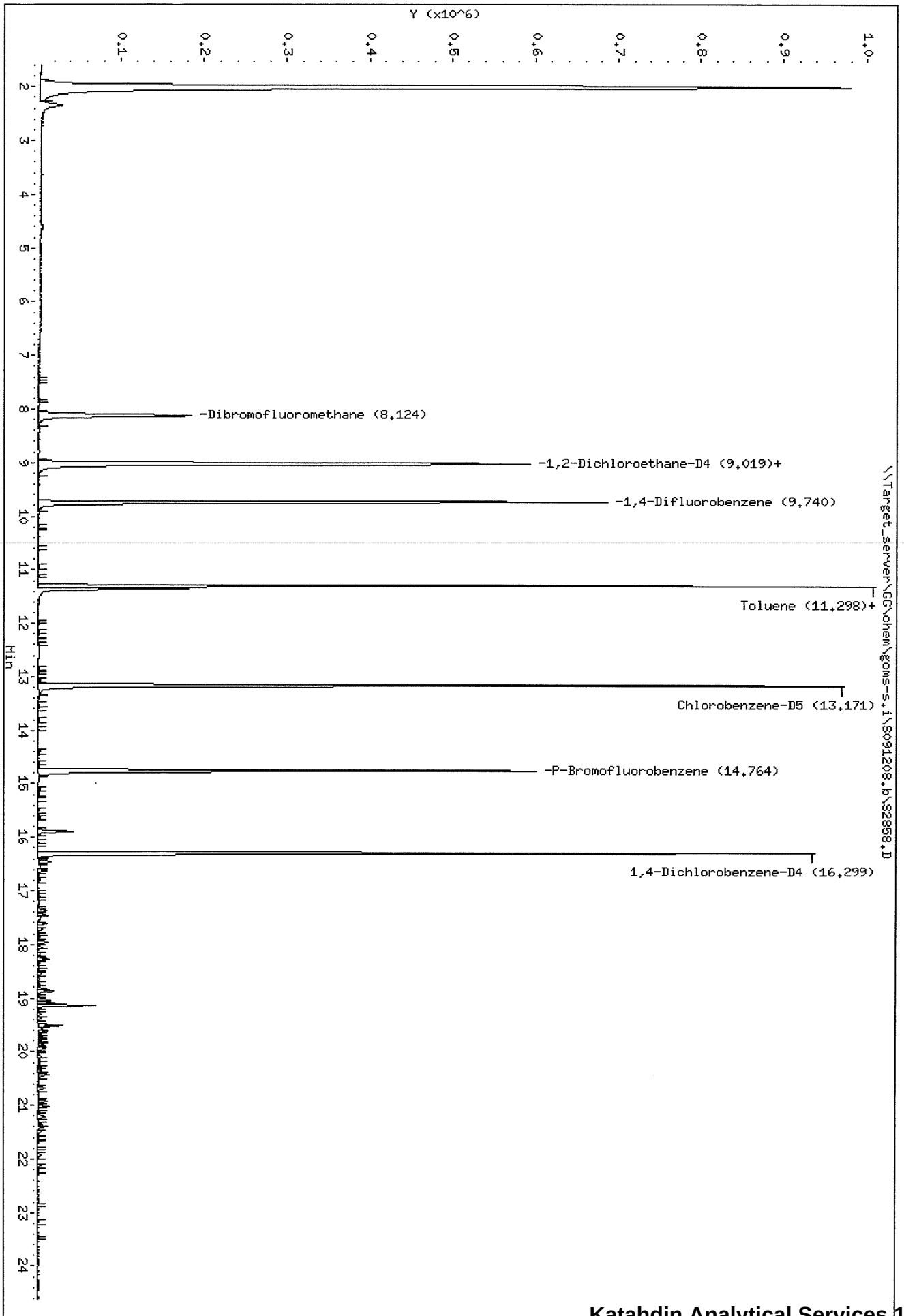
COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	474520	237260	949040	479767	1.11
49 1,4-Difluorobenze	732237	366119	1464474	769520	5.09
66 Chlorobenzene-D5	618564	309282	1237128	650433	5.15
91 1,4-Dichlorobenze	311384	155692	622768	314028	0.85

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	9.01	8.51	9.51	9.02	0.08
49 1,4-Difluorobenze	9.74	9.24	10.24	9.74	-0.04
66 Chlorobenzene-D5	13.16	12.66	13.66	13.17	0.06
91 1,4-Dichlorobenze	16.29	15.79	16.79	16.30	0.04

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.

Data File: \\Target_server\GC\chem\gcms-s.i\S091208.b\S2858.D
Date : 12-SEP-2008 13:29
Client ID: AWD-GW-DUP01
Sample Info: SB5084-3

Instrument: gcms-s.i



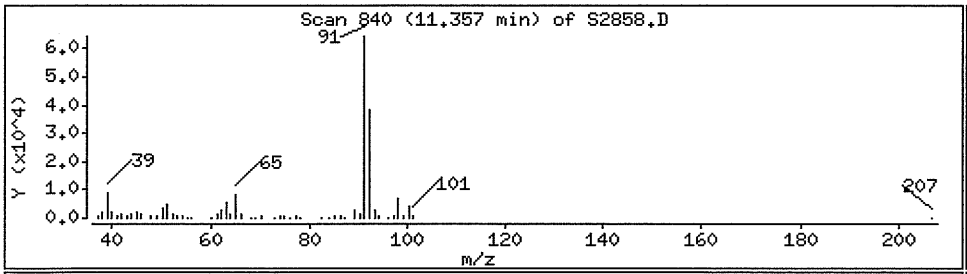
Data File: \\Target_server\GG\chem\gcms-s.i\S091208.b\S2858.D

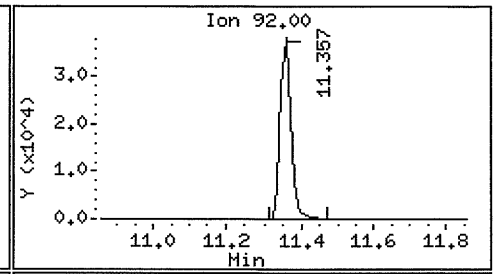
Date : 12-SEP-2008 13:29

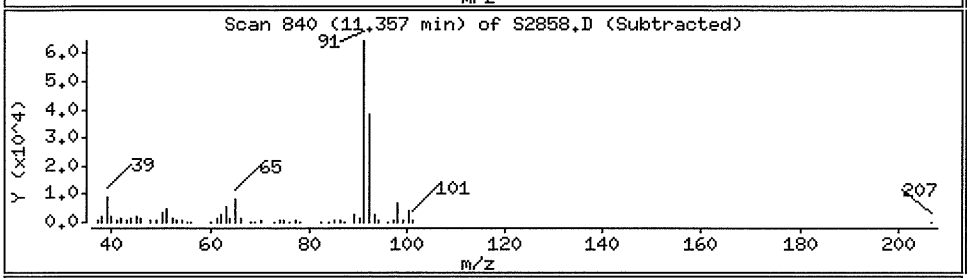
Client ID: AWD-GW-DUP01 Instrument: gcms-s.i

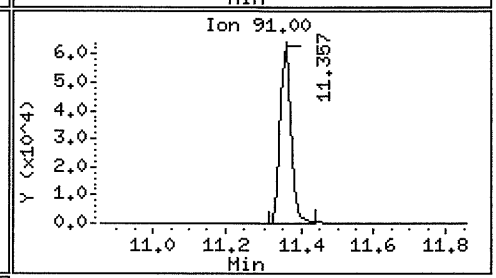
Sample Info: SB5084-3

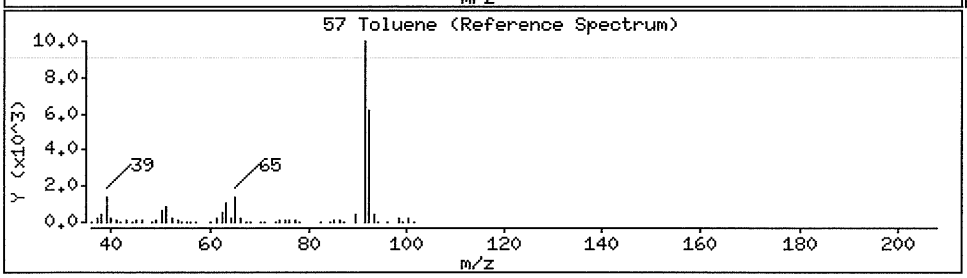
57 Toluene Concentration: 6.9 ug/l











KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 09/09/08
Received Date: 09/11/08
Extraction Date:
Analysis Date: 12-SEP-2008 14:00
Report Date: 09/25/2008
Matrix: WATER
% Solids: NA

Lab ID: SB5084-4
Client ID: AWD-GW-MW302-090908
SDG: CTO426-5
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG55628
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
1634-04-4	Methyl tert-butyl ether	U	1	1.0	1	1	0.5
71-43-2	Benzene	U	1	1.0	1	1	0.3
108-88-3	Toluene	U	1	1.0	1	1	0.4
100-41-4	Ethylbenzene	U	1	1.0	1	1	0.3
1330-20-7	Xylenes (total)	U	3	1.0	3	3	0.3
	m+p-Xylenes	U	2	1.0	2	2	0.7
95-47-6	o-Xylene	U	1	1.0	1	1	0.3
98-82-8	Isopropylbenzene	U	1	1.0	1	1	0.4
91-20-3	Naphthalene	U	1	1.0	1	1	0.4
1868-53-7	Dibromofluoromethane		88%				
17060-07-0	1,2-Dichloroethane-D4		84%				
2037-26-5	Toluene-D8		91%				
460-00-4	P-Bromofluorobenzene		86%				

Data File: \\Target_server\GG\chem\gcms-s.i\S091208.b\S2859.D
Report Date: 24-Sep-2008 15:37

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gcms-s.i\S091208.b\S2859.D
Lab Smp Id: SB5084-4 Client Smp ID: AWD-GW-MW302-090908
Inj Date : 12-SEP-2008 14:00 MS Autotune Date: 21-NOV-2007 15:16
Operator : SKT Inst ID: gcms-s.i
Smp Info : SB5084-4
Misc Info : SW846 8260B
Comment :
Method : \\Target_server\GG\chem\gcms-s.i\S091208.b\s826a63.m
Meth Date : 22-Sep-2008 08:52 tcote Quant Type: ISTD
Cal Date : 10-SEP-2008 16:57 Cal File: S2831.D
Als bottle: 10
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TETRAT426001.sub
Target Version: 4.12
Processing Host: MIS_2

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)	REVIEW CODE
$ 37 Dibromofluoromethane	113	8.129	8.124	(0.901)	240060	44.2459	44.2	
$ 45 1,2-Dichloroethane-D4	65	9.024	9.019	(1.000)	249188	42.2975	42.3	
$ 55 Toluene-D8	98	11.303	11.299	(1.160)	714295	45.3083	45.3	
$ 76 P-Bromofluorobenzene	95	14.758	14.753	(1.514)	277191	43.2128	43.2	
* 42 Pentafluorobenzene	168	9.024	9.019	(1.000)	485865	50.0000		
* 49 1,4-Difluorobenzene	114	9.745	9.740	(1.000)	760524	50.0000		
* 66 Chlorobenzene-D5	117	13.164	13.160	(1.000)	653768	50.0000		
* 91 1,4-Dichlorobenzene-D4	152	16.304	16.300	(1.000)	314688	50.0000		

Data File: \\Target_server\GG\chem\gcms-s.i\S091208.b\S2859.D
Report Date: 24-Sep-2008 15:37

Katahdin Analytical Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcms-s.i
Lab File ID: S2859.D
Lab Smp Id: SB5084-4
Analysis Type: VOA
Quant Type: ISTD
Operator: SKT
Calibration Date: 12-SEP-2008
Calibration Time: 08:47
Client Smp ID: AWD-GW-MW302-09
Level: LOW
Sample Type: WATER
Method File: \\Target_server\GG\chem\gcms-s.i\S091208.b\s826a63.m
Misc Info: SW846 8260B

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 4

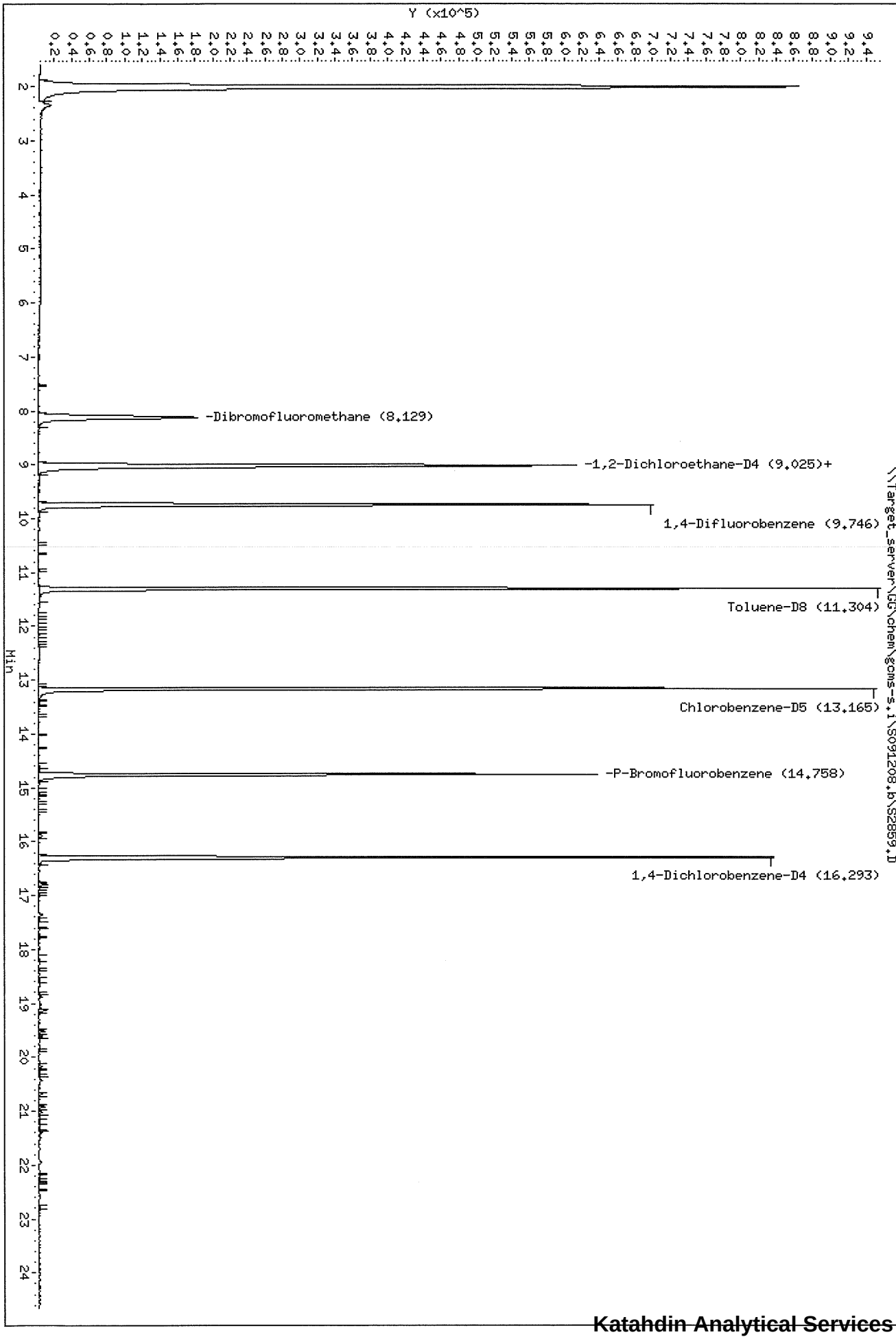
COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	474520	237260	949040	485865	2.39
49 1,4-Difluorobenze	732237	366119	1464474	760524	3.86
66 Chlorobenzene-D5	618564	309282	1237128	653768	5.69
91 1,4-Dichlorobenze	311384	155692	622768	314688	1.06

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	9.01	8.51	9.51	9.02	0.14
49 1,4-Difluorobenze	9.74	9.24	10.24	9.75	0.01
66 Chlorobenzene-D5	13.16	12.66	13.66	13.16	0.01
91 1,4-Dichlorobenze	16.29	15.79	16.79	16.30	0.08

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.

Data File: \\Target_server\GC\chem\gcms-s.i\S091208.b\S2859.D
Date : 12-SEP-2008 14:00
Client ID: AWD-GW-MW302-090908
Sample Info: SB5084-4

Instrument: gcms-s.i



KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 09/09/08
Received Date: 09/11/08
Extraction Date:
Analysis Date: 12-SEP-2008 14:31
Report Date: 09/25/2008
Matrix: WATER
% Solids: NA

Lab ID: SB5084-5
Client ID: AWD-GW-MW303-090908
SDG: CTO426-5
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG55628
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
1634-04-4	Methyl tert-butyl ether	U	1	1.0	1	1	0.5
71-43-2	Benzene	U	1	1.0	1	1	0.3
108-88-3	Toluene	U	1	1.0	1	1	0.4
100-41-4	Ethylbenzene	J	0.4	1.0	1	1	0.3
1330-20-7	Xylenes (total)	J	0.5	1.0	3	3	0.3
	m+p-Xylenes	U	2	1.0	2	2	0.7
95-47-6	o-Xylene	J	0.5	1.0	1	1	0.3
98-82-8	Isopropylbenzene		4	1.0	1	1	0.4
91-20-3	Naphthalene		10	1.0	1	1	0.4
1868-53-7	Dibromofluoromethane		88%				
17060-07-0	1,2-Dichloroethane-D4		86%				
2037-26-5	Toluene-D8		90%				
460-00-4	P-Bromofluorobenzene		89%				

Data File: \\Target_server\GG\chem\gcms-s.i\S091208.b\S2860.D
Report Date: 24-Sep-2008 15:37

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gcms-s.i\S091208.b\S2860.D
Lab Smp Id: SB5084-5 Client Smp ID: AWD-GW-MW303-090908
Inj Date : 12-SEP-2008 14:31 MS Autotune Date: 21-NOV-2007 15:16
Operator : SKT Inst ID: gcms-s.i
Smp Info : SB5084-5
Misc Info : SW846 8260B
Comment :
Method : \\Target_server\GG\chem\gcms-s.i\S091208.b\s826a63.m
Meth Date : 22-Sep-2008 08:52 tcote Quant Type: ISTD
Cal Date : 10-SEP-2008 16:57 Cal File: S2831.D
Als bottle: 11
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TETRAT426001.sub
Target Version: 4.12
Processing Host: MIS_2

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)	REVIEW CODE
68 Ethylbenzene	106	13.232	13.229	(1.004)	2462	0.39911	0.40(a)	
M 70 Xylenes (total)	106				3757	0.48791	0.49(a)	
72 o-Xylene	106	13.976	13.974	(1.061)	3757	0.48791	0.49(a)	
75 Isopropylbenzene	105	14.383	14.381	(0.882)	72821	4.48363	4.5	
101 Naphthalene	128	19.605	19.603	(1.203)	128419	10.4266	10.4	
$ 37 Dibromofluoromethane	113	8.126	8.124	(0.901)	236502	44.2661	44.3	
$ 45 1,2-Dichloroethane-D4	65	9.034	9.019	(1.001)	248635	42.8581	42.8	
$ 55 Toluene-D8	98	11.301	11.299	(1.160)	696850	45.0951	45.1	
$ 76 P-Bromofluorobenzene	95	14.755	14.753	(1.514)	278553	44.3028	44.3	
* 42 Pentafluorobenzene	168	9.022	9.019	(1.000)	478446	50.0000		
* 49 1,4-Difluorobenzene	114	9.743	9.740	(1.000)	745457	50.0000		
* 66 Chlorobenzene-D5	117	13.174	13.160	(1.000)	643277	50.0000		
* 91 1,4-Dichlorobenzene-D4	152	16.302	16.300	(1.000)	314757	50.0000		

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: \\Target_server\GG\chem\gcms-s.i\S091208.b\S2860.D
Report Date: 24-Sep-2008 15:37

Katahdin Analytical Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcms-s.i
Lab File ID: S2860.D
Lab Smp Id: SB5084-5
Analysis Type: VOA
Quant Type: ISTD
Operator: SKT
Calibration Date: 12-SEP-2008
Calibration Time: 08:47
Client Smp ID: AWD-GW-MW303-09
Level: LOW
Sample Type: WATER
Method File: \\Target_server\GG\chem\gcms-s.i\S091208.b\s826a63.m
Misc Info: SW846 8260B

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 4

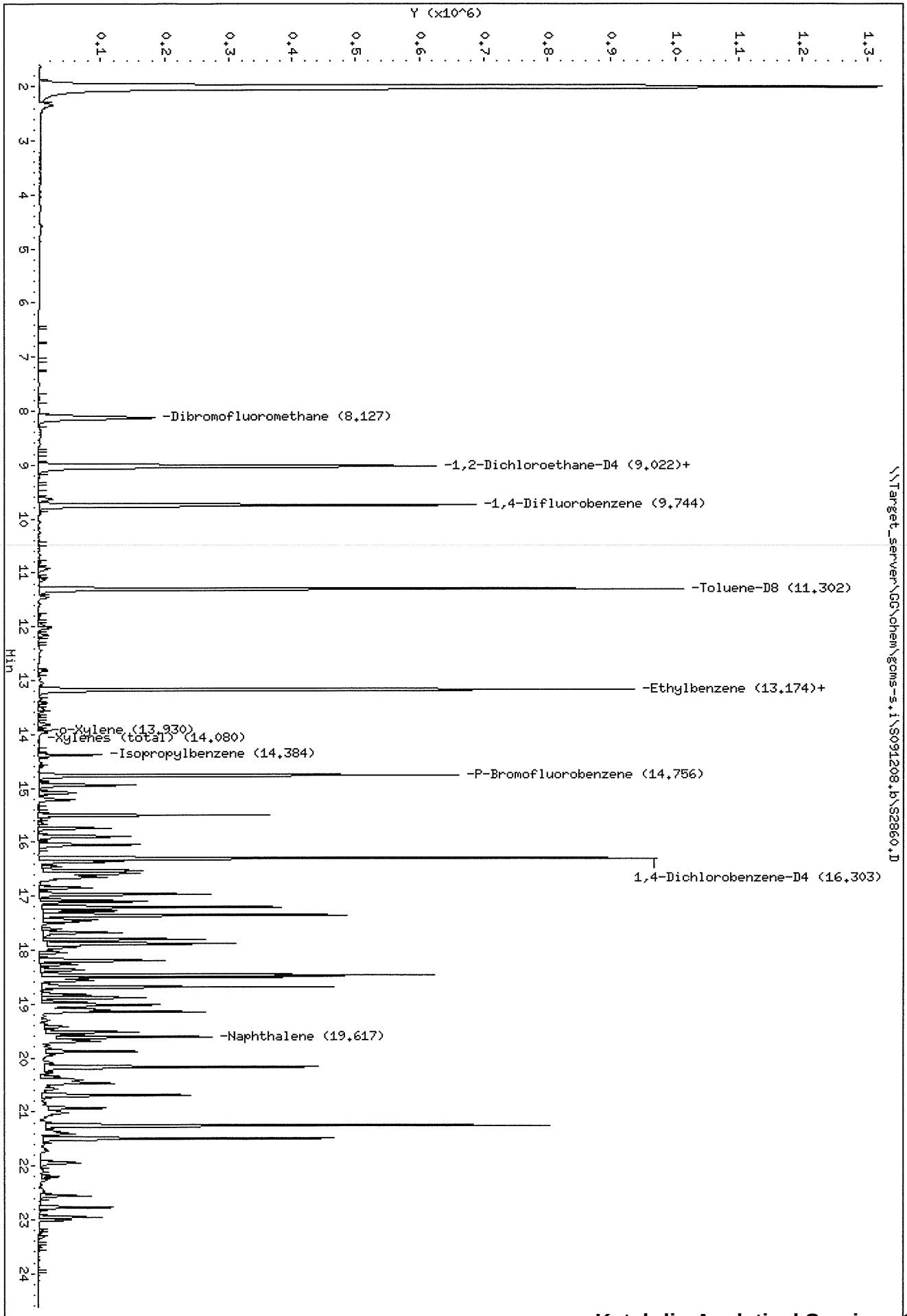
COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	474520	237260	949040	478446	0.83
49 1,4-Difluorobenze	732237	366119	1464474	745457	1.81
66 Chlorobenzene-D5	618564	309282	1237128	643277	4.00
91 1,4-Dichlorobenze	311384	155692	622768	314757	1.08

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	9.01	8.51	9.51	9.02	0.12
49 1,4-Difluorobenze	9.74	9.24	10.24	9.74	-0.01
66 Chlorobenzene-D5	13.16	12.66	13.66	13.17	0.08
91 1,4-Dichlorobenze	16.29	15.79	16.79	16.30	0.07

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.

Data File: \\Target_server\GC\chem\gcms-s.i\S091208.b\S2860.D
Date : 12-SEP-2008 14:31
Client ID: AWD-GW-MW303-090908
Sample Info: SB5084-5

Instrument: gcms-s.i



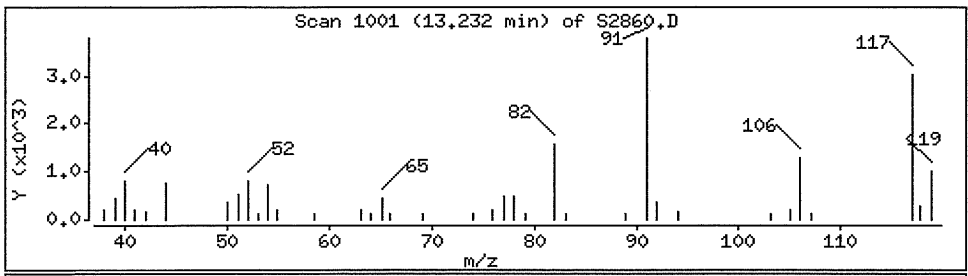
Data File: \\Target_server\GC\chem\gcms-s.i\S091208.b\S2860.D

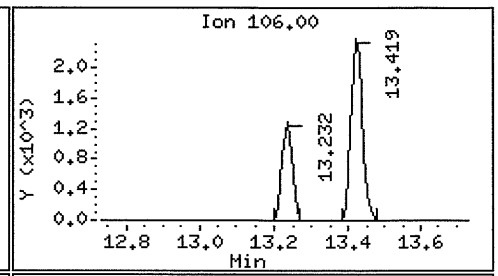
Date : 12-SEP-2008 14:31

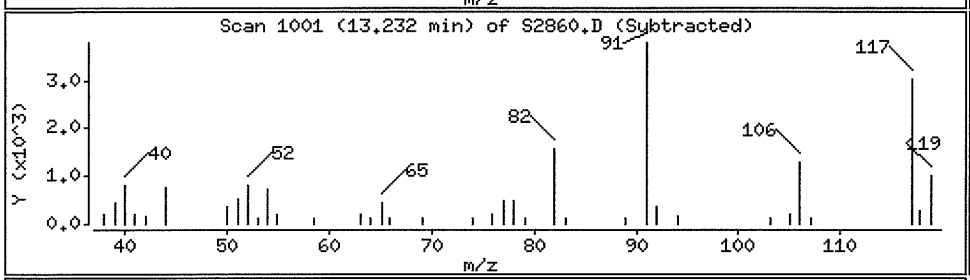
Client ID: AWD-GW-MW303-090908 Instrument: gcms-s.i

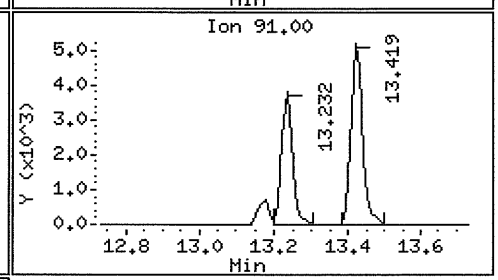
Sample Info: SB5084-5

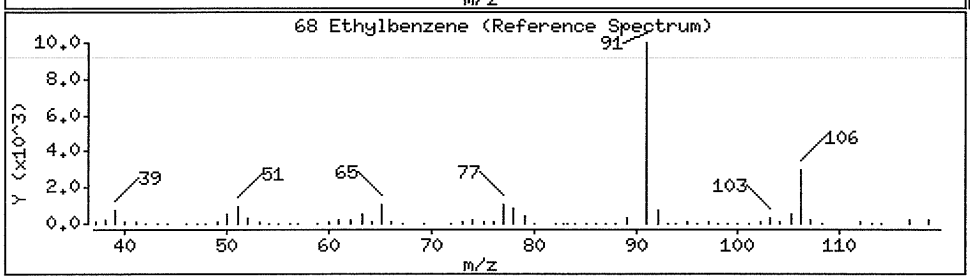
68 Ethylbenzene Concentration: 0.40 ug/l



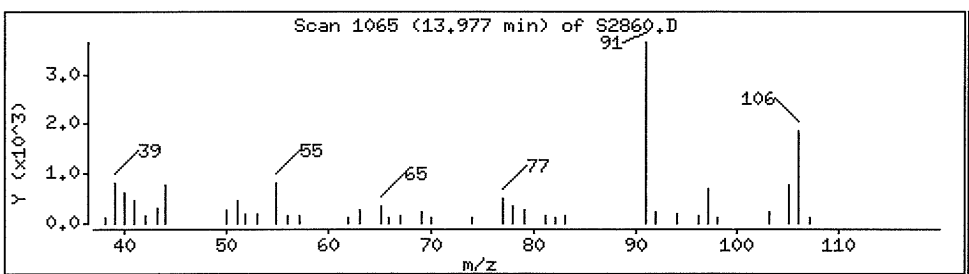


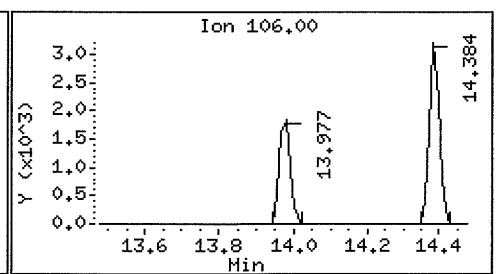


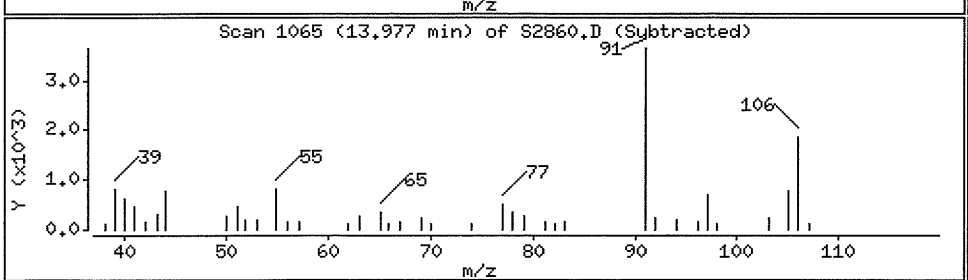


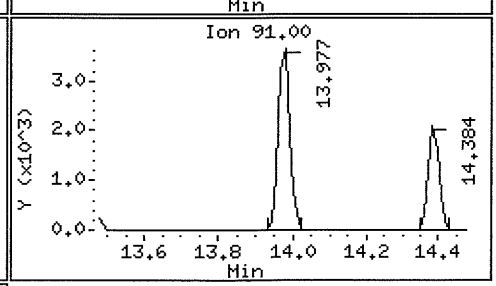


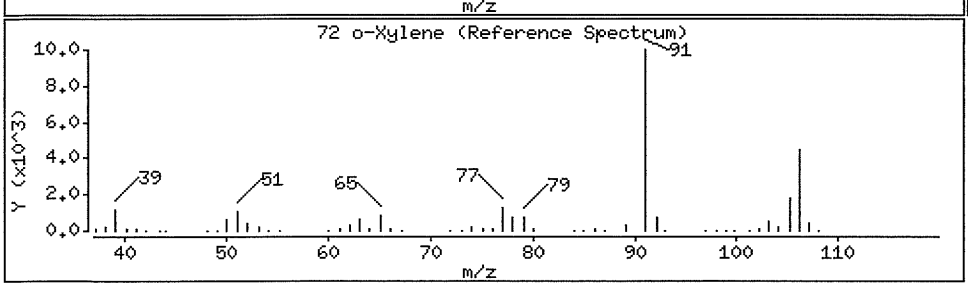
72 o-Xylene Concentration: 0.49 ug/l





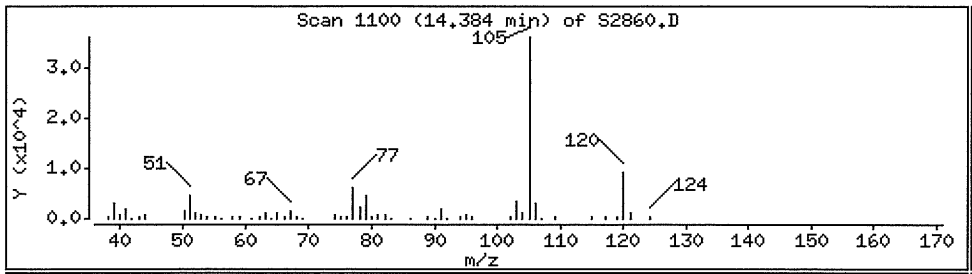


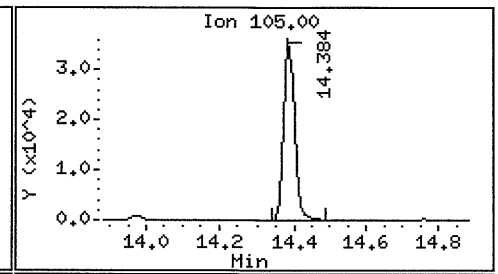


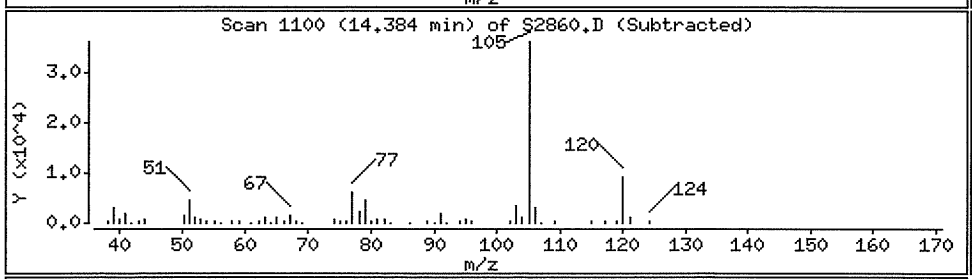


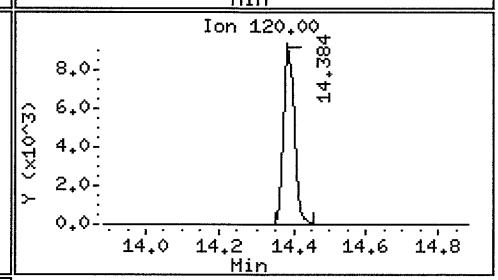
Data File: \\Target_server\GC\chem\gcms-s.i\S091208.b\S2860.D
Date : 12-SEP-2008 14:31
Client ID: AWD-GW-MW303-090908 Instrument: gcms-s.i
Sample Info: SB5084-5

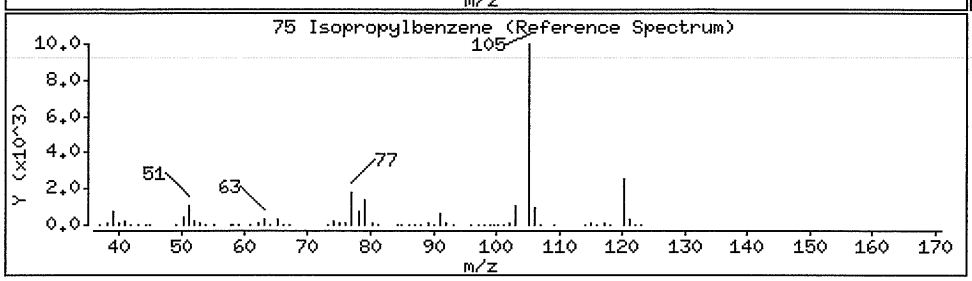
75 Isopropylbenzene Concentration: 4.5 ug/l



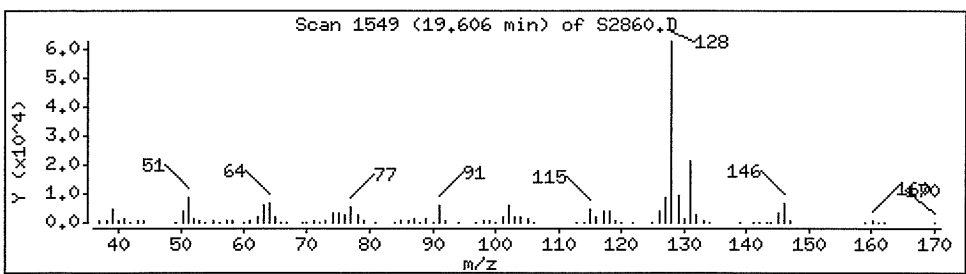


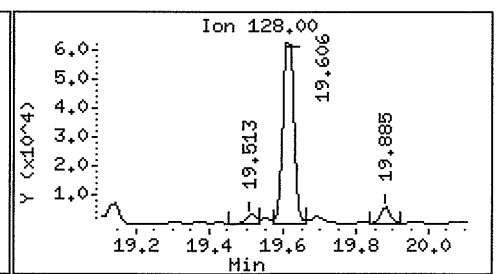


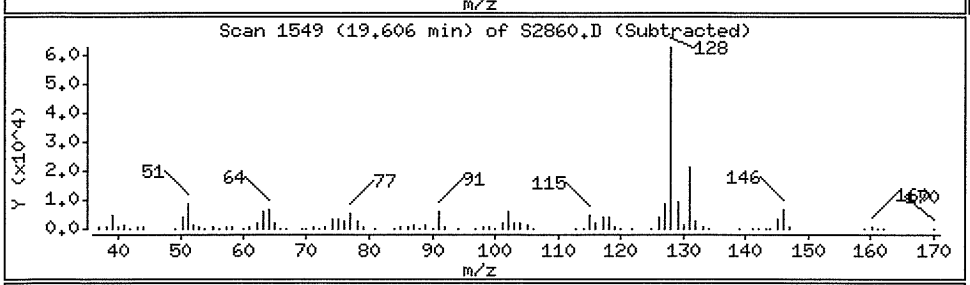


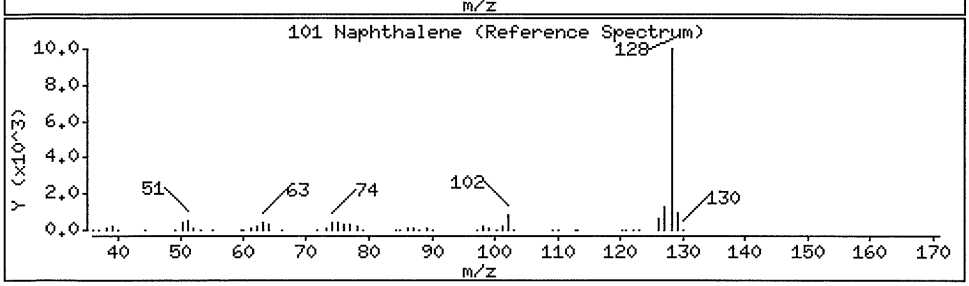


101 Naphthalene Concentration: 10.4 ug/l









KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 09/09/08
Received Date: 09/11/08
Extraction Date:
Analysis Date: 12-SEP-2008 15:02
Report Date: 09/25/2008
Matrix: WATER
% Solids: NA

Lab ID: SB5084-6
Client ID: AWD-SW1-090908
SDG: CTO426-5
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG55628
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
1634-04-4	Methyl tert-butyl ether	U	1	1.0	1	1	0.5
71-43-2	Benzene	U	1	1.0	1	1	0.3
108-88-3	Toluene		18	1.0	1	1	0.4
100-41-4	Ethylbenzene	U	1	1.0	1	1	0.3
1330-20-7	Xylenes (total)	U	3	1.0	3	3	0.3
	m+p-Xylenes	U	2	1.0	2	2	0.7
95-47-6	o-Xylene	U	1	1.0	1	1	0.3
98-82-8	Isopropylbenzene	U	1	1.0	1	1	0.4
91-20-3	Naphthalene	U	1	1.0	1	1	0.4
1868-53-7	Dibromofluoromethane		88%				
17060-07-0	1,2-Dichloroethane-D4		84%				
2037-26-5	Toluene-D8		88%				
460-00-4	P-Bromofluorobenzene		86%				

Data File: \\Target_server\GG\chem\gcms-s.i\S091208.b\S2861.D
Report Date: 24-Sep-2008 15:37

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gcms-s.i\S091208.b\S2861.D
Lab Smp Id: SB5084-6 Client Smp ID: AWD-SW1-090908
Inj Date : 12-SEP-2008 15:02 MS Autotune Date: 21-NOV-2007 15:16
Operator : SKT Inst ID: gcms-s.i
Smp Info : SB5084-6
Misc Info : SW846 8260B
Comment :
Method : \\Target_server\GG\chem\gcms-s.i\S091208.b\s826a63.m
Meth Date : 22-Sep-2008 08:52 tcote Quant Type: ISTD
Cal Date : 10-SEP-2008 16:57 Cal File: S2831.D
Als bottle: 12
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TETRAT426001.sub
Target Version: 4.12
Processing Host: MIS_2

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)	REVIEW CODE
57 Toluene	92	11.361	11.357	(1.166)	199643	18.3321	18.3	
$ 37 Dibromofluoromethane	113	8.128	8.124	(0.901)	233531	43.7694	43.8	
$ 45 1,2-Dichloroethane-D4	65	9.024	9.019	(1.000)	242165	41.7996	41.8	
$ 55 Toluene-D8	98	11.303	11.299	(1.160)	687600	43.7502	43.8	
$ 76 P-Bromofluorobenzene	95	14.757	14.753	(1.514)	275917	43.1475	43.1	
* 42 Pentafluorobenzene	168	9.024	9.019	(1.000)	477797	50.0000		
* 49 1,4-Difluorobenzene	114	9.745	9.740	(1.000)	758174	50.0000		
* 66 Chlorobenzene-D5	117	13.176	13.160	(1.000)	645581	50.0000		
* 91 1,4-Dichlorobenzene-D4	152	16.304	16.300	(1.000)	315970	50.0000		

Data File: \\Target_server\GG\chem\gcms-s.i\S091208.b\S2861.D
Report Date: 24-Sep-2008 15:37

Katahdin Analytical Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

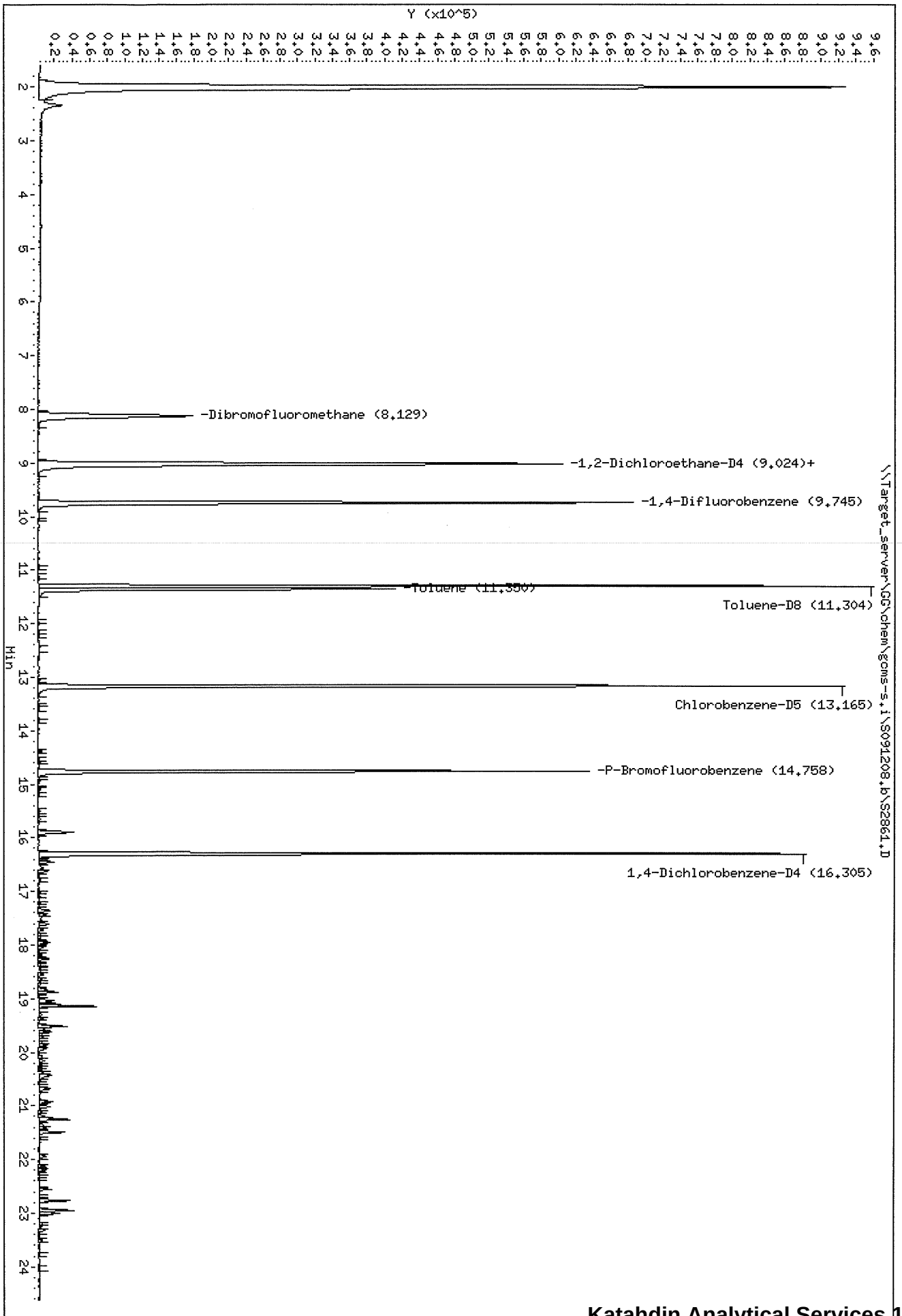
Instrument ID: gcms-s.i
Lab File ID: S2861.D
Lab Smp Id: SB5084-6
Analysis Type: VOA
Quant Type: ISTD
Operator: SKT
Calibration Date: 12-SEP-2008
Calibration Time: 08:47
Client Smp ID: AWD-SW1-090908
Level: LOW
Sample Type: WATER
Method File: \\Target_server\GG\chem\gcms-s.i\S091208.b\s826a63.m
Misc Info: SW846 8260B

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 4

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	474520	237260	949040	477797	0.69
49 1,4-Difluorobenze	732237	366119	1464474	758174	3.54
66 Chlorobenzene-D5	618564	309282	1237128	645581	4.37
91 1,4-Dichlorobenze	311384	155692	622768	315970	1.47

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	9.01	8.51	9.51	9.02	0.14
49 1,4-Difluorobenze	9.74	9.24	10.24	9.75	0.01
66 Chlorobenzene-D5	13.16	12.66	13.66	13.18	0.10
91 1,4-Dichlorobenze	16.29	15.79	16.79	16.30	0.08

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.


Data File: \\Target_server\GC\chem\gcms-s.i\S091208.b\S2864.D
Date : 12-SEP-2008 15:02
Client ID: AWD-SW1-090908
Sample Info: SB50084-6
Instrument: gcms-s.i
\\Target_server\GC\chem\gcms-s.i\S091208.b\S2864.D
Y (x10^5)
Min
-Dibromofluoromethane (8.129)
-1,2-Dichloroethane-D4 (9.024)+
-1,4-Difluorobenzene (9.745)
-Toluene (11.350)
Toluene-D8 (11.304)
Chlorobenzene-D5 (13.165)
-P-Bromofluorobenzene (14.758)
1,4-Dichlorobenzene-D4 (16.305)

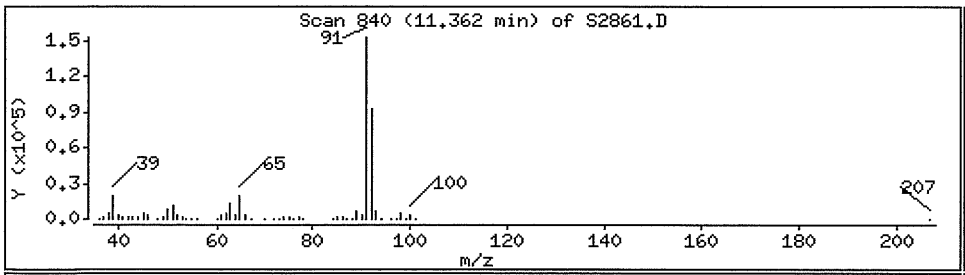
Data File: \\Target_server\GC\chem\gcms-s.i\S091208.b\S2861.D

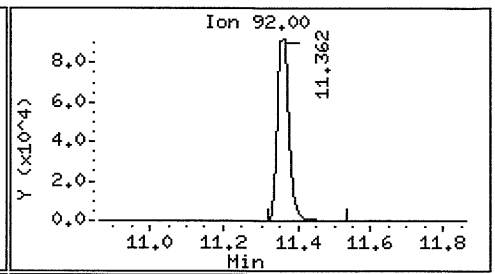
Date : 12-SEP-2008 15:02

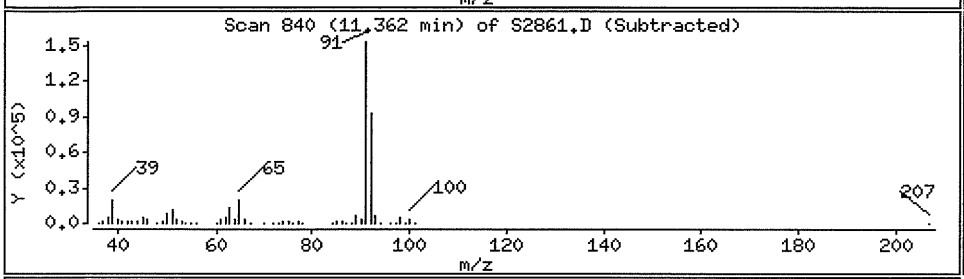
Client ID: AWD-SW1-090908 Instrument: gcms-s.i

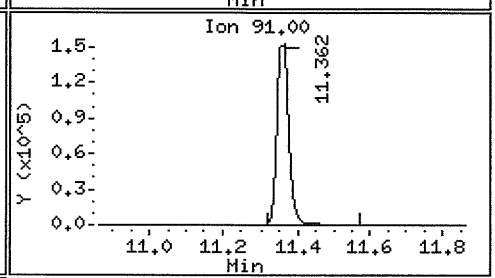
Sample Info: SB5084-6

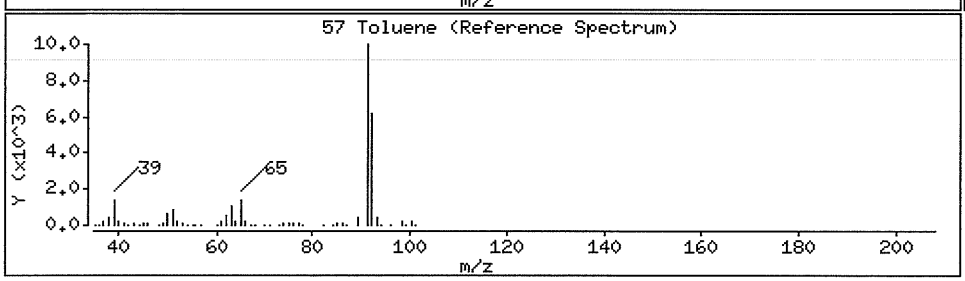
57 Toluene Concentration: 18.3 ug/l











KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 09/09/08
Received Date: 09/11/08
Extraction Date:
Analysis Date: 12-SEP-2008 15:33
Report Date: 09/25/2008
Matrix: WATER
% Solids: NA

Lab ID: SB5084-7
Client ID: AWD-SW-DUP01
SDG: CTO426-5
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG55628
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
1634-04-4	Methyl tert-butyl ether	U	1	1.0	1	1	0.5
71-43-2	Benzene	U	1	1.0	1	1	0.3
108-88-3	Toluene	U	1	1.0	1	1	0.4
100-41-4	Ethylbenzene	U	1	1.0	1	1	0.3
1330-20-7	Xylenes (total)	U	3	1.0	3	3	0.3
	m+p-Xylenes	U	2	1.0	2	2	0.7
95-47-6	o-Xylene	U	1	1.0	1	1	0.3
98-82-8	Isopropylbenzene	U	1	1.0	1	1	0.4
91-20-3	Naphthalene	U	1	1.0	1	1	0.4
1868-53-7	Dibromofluoromethane		86%				
17060-07-0	1,2-Dichloroethane-D4		84%				
2037-26-5	Toluene-D8		89%				
460-00-4	P-Bromofluorobenzene		82%				

Data File: \\Target_server\GG\chem\gcms-s.i\S091208.b\S2862.D
Report Date: 24-Sep-2008 15:37

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gcms-s.i\S091208.b\S2862.D
Lab Smp Id: SB5084-7 Client Smp ID: AWD-SW-DUP01
Inj Date : 12-SEP-2008 15:33 MS Autotune Date: 21-NOV-2007 15:16
Operator : SKT Inst ID: gcms-s.i
Smp Info : SB5084-7
Misc Info : SW846 8260B
Comment :
Method : \\Target_server\GG\chem\gcms-s.i\S091208.b\s826a63.m
Meth Date : 22-Sep-2008 08:52 tcote Quant Type: ISTD
Cal Date : 10-SEP-2008 16:57 Cal File: S2831.D
Als bottle: 13
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TETRAT426001.sub
Target Version: 4.12
Processing Host: MIS_2

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)	REVIEW CODE
$ 37 Dibromofluoromethane	113	8.129	8.124	(0.901)	232202	43.2658	43.3	
$ 45 1,2-Dichloroethane-D4	65	9.024	9.019	(1.000)	245180	42.0725	42.1	
$ 55 Toluene-D8	98	11.304	11.299	(1.160)	696800	44.3016	44.3	
$ 76 P-Bromofluorobenzene	95	14.758	14.753	(1.514)	263834	41.2264	41.2	
* 42 Pentafluorobenzene	168	9.024	9.019	(1.000)	480607	50.0000		
* 49 1,4-Difluorobenzene	114	9.745	9.740	(1.000)	758755	50.0000		
* 66 Chlorobenzene-D5	117	13.176	13.160	(1.000)	638212	50.0000		
* 91 1,4-Dichlorobenzene-D4	152	16.304	16.300	(1.000)	309821	50.0000		

Data File: \\Target_server\GG\chem\gcms-s.i\S091208.b\S2862.D
Report Date: 24-Sep-2008 15:37

Katahdin Analytical Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcms-s.i
Lab File ID: S2862.D
Lab Smp Id: SB5084-7
Analysis Type: VOA
Quant Type: ISTD
Operator: SKT
Method File: \\Target_server\GG\chem\gcms-s.i\S091208.b\s826a63.m
Misc Info: SW846 8260B

Calibration Date: 12-SEP-2008
Calibration Time: 08:47
Client Smp ID: AWD-SW-DUP01
Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 4

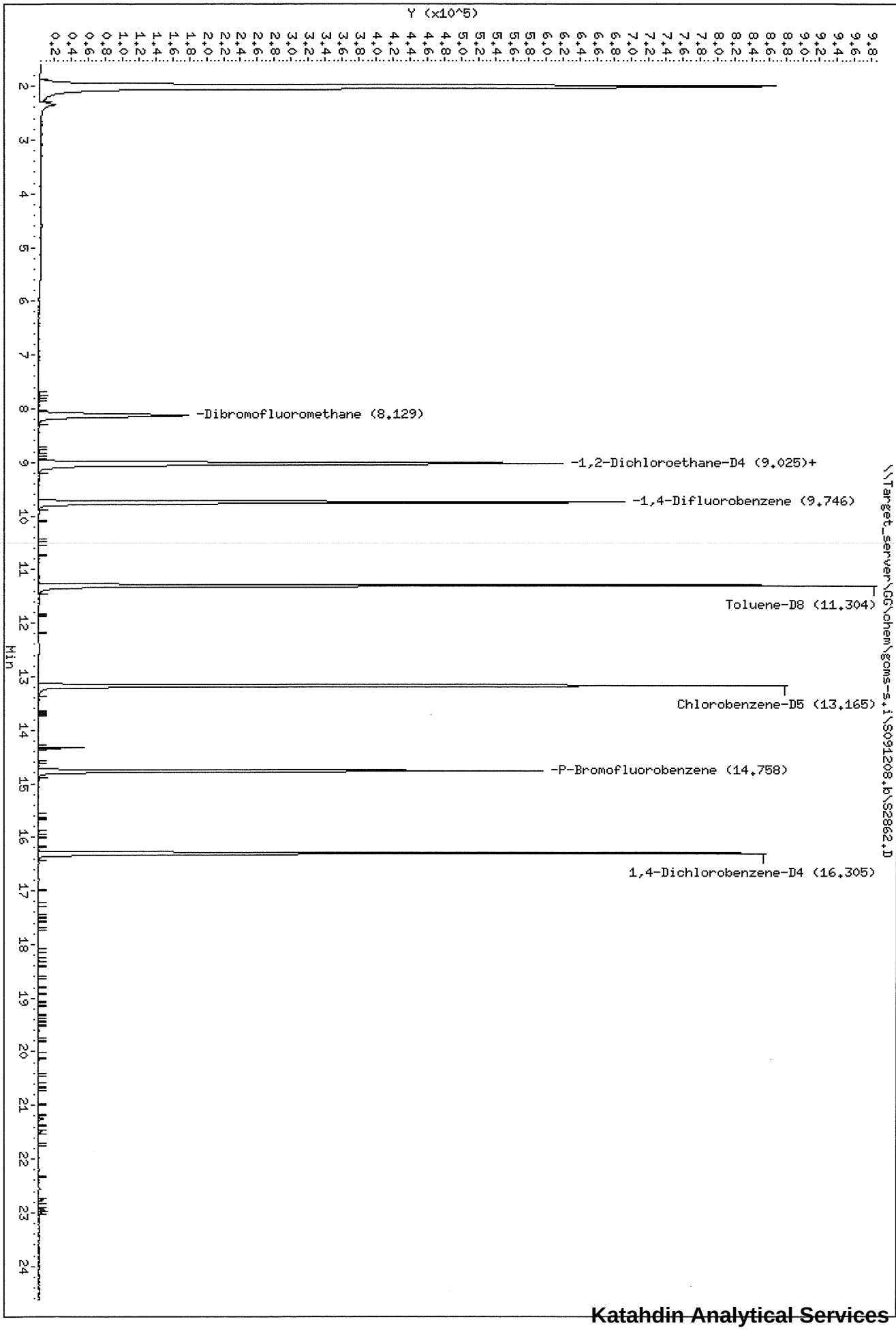
COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	474520	237260	949040	480607	1.28
49 1,4-Difluorobenze	732237	366119	1464474	758755	3.62
66 Chlorobenzene-D5	618564	309282	1237128	638212	3.18
91 1,4-Dichlorobenze	311384	155692	622768	309821	-0.50

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	9.01	8.51	9.51	9.02	0.14
49 1,4-Difluorobenze	9.74	9.24	10.24	9.75	0.01
66 Chlorobenzene-D5	13.16	12.66	13.66	13.18	0.10
91 1,4-Dichlorobenze	16.29	15.79	16.79	16.30	0.08

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.

Data File: \\Target_server\GC\chem\gcms-s.i\S091208.b\S2862.D
Date : 12-SEP-2008 15:33
Client ID: AWD-SW-DUP01
Sample Info: SB5084-7

Instrument: gcms-s.i



KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 09/09/08
Received Date: 09/11/08
Extraction Date:
Analysis Date: 12-SEP-2008 16:04
Report Date: 09/25/2008
Matrix: WATER
% Solids: NA

Lab ID: SB5084-8
Client ID: AWD-PZ203-090908
SDG: CTO426-5
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG55628
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
1634-04-4	Methyl tert-butyl ether	U	1	1.0	1	1	0.5
71-43-2	Benzene	U	1	1.0	1	1	0.3
108-88-3	Toluene		24	1.0	1	1	0.4
100-41-4	Ethylbenzene	U	1	1.0	1	1	0.3
1330-20-7	Xylenes (total)	U	3	1.0	3	3	0.3
	m+p-Xylenes	U	2	1.0	2	2	0.7
95-47-6	o-Xylene	U	1	1.0	1	1	0.3
98-82-8	Isopropylbenzene	U	1	1.0	1	1	0.4
91-20-3	Naphthalene	U	1	1.0	1	1	0.4
1868-53-7	Dibromofluoromethane		88%				
17060-07-0	1,2-Dichloroethane-D4		84%				
2037-26-5	Toluene-D8		88%				
460-00-4	P-Bromofluorobenzene		87%				

Data File: \\Target_server\GG\chem\gcms-s.i\S091208.b\S2863.D
Report Date: 24-Sep-2008 15:38

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gcms-s.i\S091208.b\S2863.D
Lab Smp Id: SB5084-8 Client Smp ID: AWD-PZ203-090908
Inj Date : 12-SEP-2008 16:04 MS Autotune Date: 21-NOV-2007 15:16
Operator : SKT Inst ID: gcms-s.i
Smp Info : SB5084-8
Misc Info : SW846 8260B
Comment :
Method : \\Target_server\GG\chem\gcms-s.i\S091208.b\s826a63.m
Meth Date : 22-Sep-2008 08:52 tcote Quant Type: ISTD
Cal Date : 10-SEP-2008 16:57 Cal File: S2831.D
Als bottle: 14
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TETRAT426001.sub
Target Version: 4.12
Processing Host: MIS_2

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)	REVIEW COD
57 Toluene	92	11.361	11.357	(1.166)	249546	23.5124	23.5	
$ 37 Dibromofluoromethane	113	8.128	8.124	(0.901)	232726	43.7800	43.8	
$ 45 1,2-Dichloroethane-D4	65	9.024	9.019	(1.000)	242613	42.0320	42.0	
$ 55 Toluene-D8	98	11.303	11.299	(1.160)	672279	43.8916	43.9	
$ 76 P-Bromofluorobenzene	95	14.757	14.753	(1.514)	272456	43.7181	43.7	
* 42 Pentafluorobenzene	168	9.024	9.019	(1.000)	476034	50.0000		
* 49 1,4-Difluorobenzene	114	9.745	9.740	(1.000)	738892	50.0000		
* 66 Chlorobenzene-D5	117	13.175	13.160	(1.000)	626744	50.0000		
* 91 1,4-Dichlorobenzene-D4	152	16.304	16.300	(1.000)	304572	50.0000		

Data File: \\Target_server\GG\chem\gcms-s.i\S091208.b\S2863.D
Report Date: 24-Sep-2008 15:38

Katahdin Analytical Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcms-s.i
Lab File ID: S2863.D
Lab Smp Id: SB5084-8
Analysis Type: VOA
Quant Type: ISTD
Operator: SKT
Method File: \\Target_server\GG\chem\gcms-s.i\S091208.b\s826a63.m
Misc Info: SW846 8260B

Calibration Date: 12-SEP-2008
Calibration Time: 08:47
Client Smp ID: AWD-PZ203-09090
Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 4

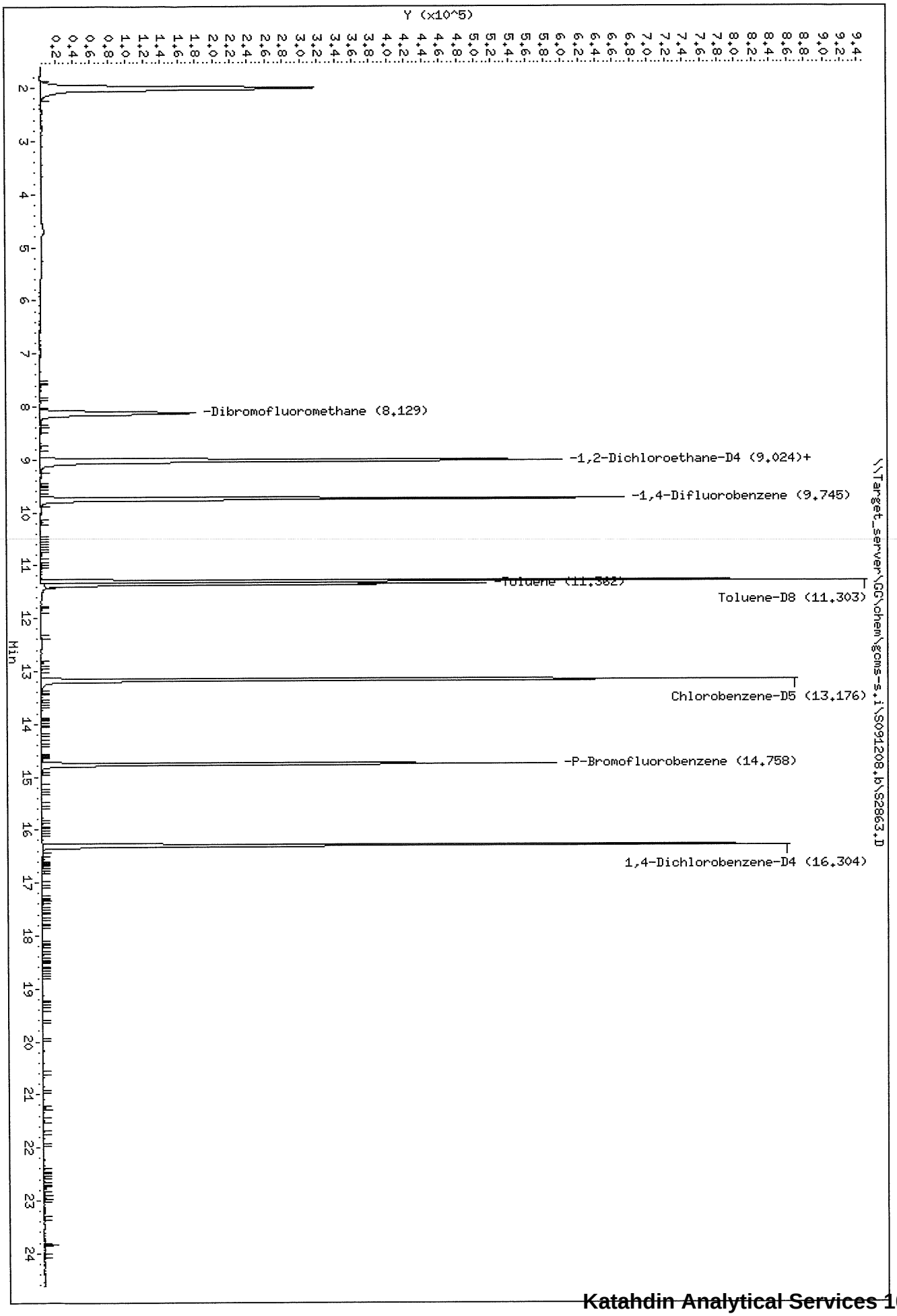
COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	474520	237260	949040	476034	0.32
49 1,4-Difluorobenze	732237	366119	1464474	738892	0.91
66 Chlorobenzene-D5	618564	309282	1237128	626744	1.32
91 1,4-Dichlorobenze	311384	155692	622768	304572	-2.19

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	9.01	8.51	9.51	9.02	0.14
49 1,4-Difluorobenze	9.74	9.24	10.24	9.75	0.01
66 Chlorobenzene-D5	13.16	12.66	13.66	13.18	0.09
91 1,4-Dichlorobenze	16.29	15.79	16.79	16.30	0.08

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.

Data File: \\Target_server\GC\chem\gcms-s.i\S091208.b\S2863.D
Date : 12-SEP-2008 16:04
Client ID: AWD-PZ203-090908
Sample Info: SB5084-8

Instrument: gcms-s.i



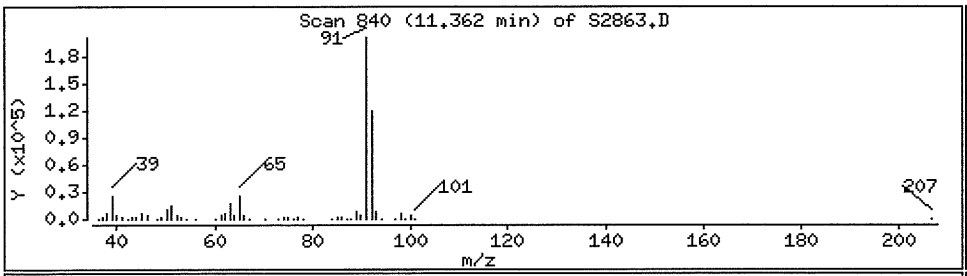
Data File: \\Target_server\GC\chem\gcms-s.i\S091208.b\S2863.D

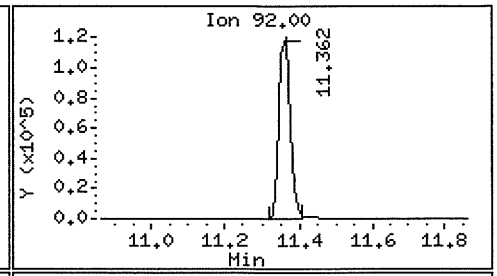
Date : 12-SEP-2008 16:04

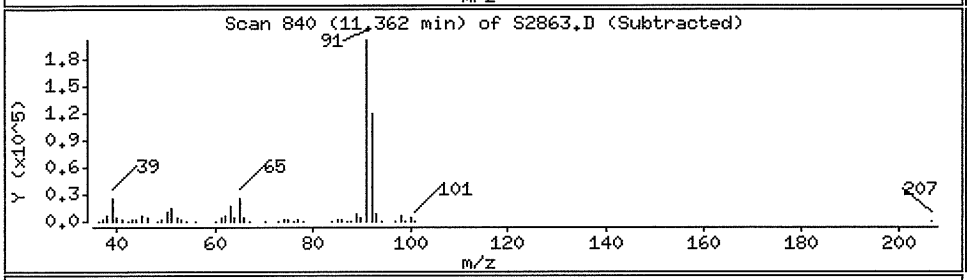
Client ID: AWD-PZ203-090908 Instrument: gcms-s.i

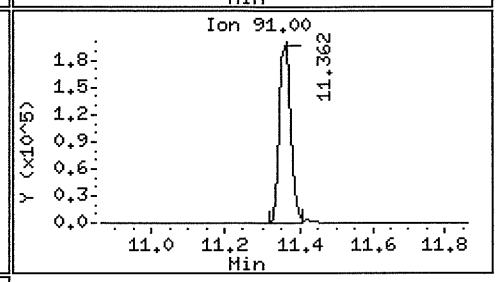
Sample Info: SB5084-8

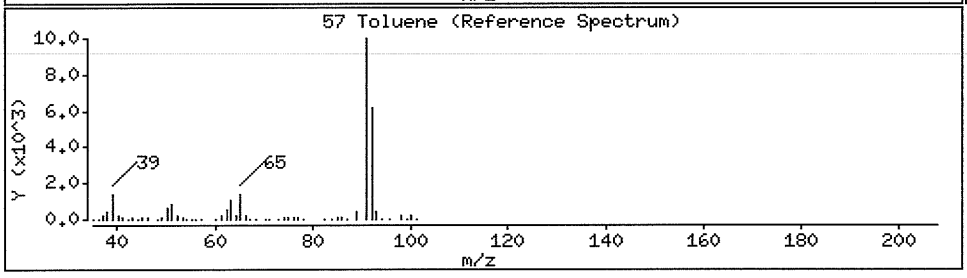
57 Toluene Concentration: 23.5 ug/l











KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 09/08/08
Received Date: 09/11/08
Extraction Date:
Analysis Date: 12-SEP-2008 16:36
Report Date: 09/25/2008
Matrix: WATER
% Solids: NA

Lab ID: SB5084-9
Client ID: AWD-GW-MW202-090808
SDG: CTO426-5
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG55628
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
1634-04-4	Methyl tert-butyl ether	U	1	1.0	1	1	0.5
71-43-2	Benzene	U	1	1.0	1	1	0.3
108-88-3	Toluene	U	1	1.0	1	1	0.4
100-41-4	Ethylbenzene	U	1	1.0	1	1	0.3
1330-20-7	Xylenes (total)	U	3	1.0	3	3	0.3
	m+p-Xylenes	U	2	1.0	2	2	0.7
95-47-6	o-Xylene	U	1	1.0	1	1	0.3
98-82-8	Isopropylbenzene	J	0.7	1.0	1	1	0.4
91-20-3	Naphthalene	U	1	1.0	1	1	0.4
1868-53-7	Dibromofluoromethane		86%				
17060-07-0	1,2-Dichloroethane-D4		86%				
2037-26-5	Toluene-D8		91%				
460-00-4	P-Bromofluorobenzene		88%				

Data File: \\Target_server\GG\chem\gcms-s.i\S091208.b\S2864.D
Report Date: 24-Sep-2008 15:38

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gcms-s.i\S091208.b\S2864.D
Lab Smp Id: SB5084-9 Client Smp ID: AWD-GW-MW202-090808
Inj Date : 12-SEP-2008 16:36 MS Autotune Date: 21-NOV-2007 15:16
Operator : SKT Inst ID: gcms-s.i
Smp Info : SB5084-9
Misc Info : SW846 8260B
Comment :
Method : \\Target_server\GG\chem\gcms-s.i\S091208.b\s826a63.m
Meth Date : 22-Sep-2008 08:52 tcote Quant Type: ISTD
Cal Date : 10-SEP-2008 16:57 Cal File: S2831.D
Als bottle: 15
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TETRAT426001.sub
Target Version: 4.12
Processing Host: MIS_2

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)	REVIEW CODE
75 Isopropylbenzene	105	14.391	14.381	(0.883)	11186	0.70230	0.70(a)	
$ 37 Dibromofluoromethane	113	8.134	8.124	(0.901)	228819	43.1267	43.1	
$ 45 1,2-Dichloroethane-D4	65	9.030	9.019	(1.000)	247529	42.9650	43.0	
$ 55 Toluene-D8	98	11.298	11.299	(1.159)	681715	45.6787	45.7	
$ 76 P-Bromofluorobenzene	95	14.763	14.753	(1.514)	267037	43.9760	44.0	
* 42 Pentafluorobenzene	168	9.030	9.019	(1.000)	475133	50.0000		
* 49 1,4-Difluorobenzene	114	9.751	9.740	(1.000)	719949	50.0000		
* 66 Chlorobenzene-D5	117	13.170	13.160	(1.000)	627179	50.0000		
* 91 1,4-Dichlorobenzene-D4	152	16.298	16.300	(1.000)	308672	50.0000		

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: \\Target_server\GG\chem\gcms-s.i\S091208.b\S2864.D
Report Date: 24-Sep-2008 15:38

Katahdin Analytical Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcms-s.i
Lab File ID: S2864.D
Lab Smp Id: SB5084-9
Analysis Type: VOA
Quant Type: ISTD
Operator: SKT
Calibration Date: 12-SEP-2008
Calibration Time: 08:47
Client Smp ID: AWD-GW-MW202-09
Level: LOW
Sample Type: WATER
Method File: \\Target_server\GG\chem\gcms-s.i\S091208.b\s826a63.m
Misc Info: SW846 8260B

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 4

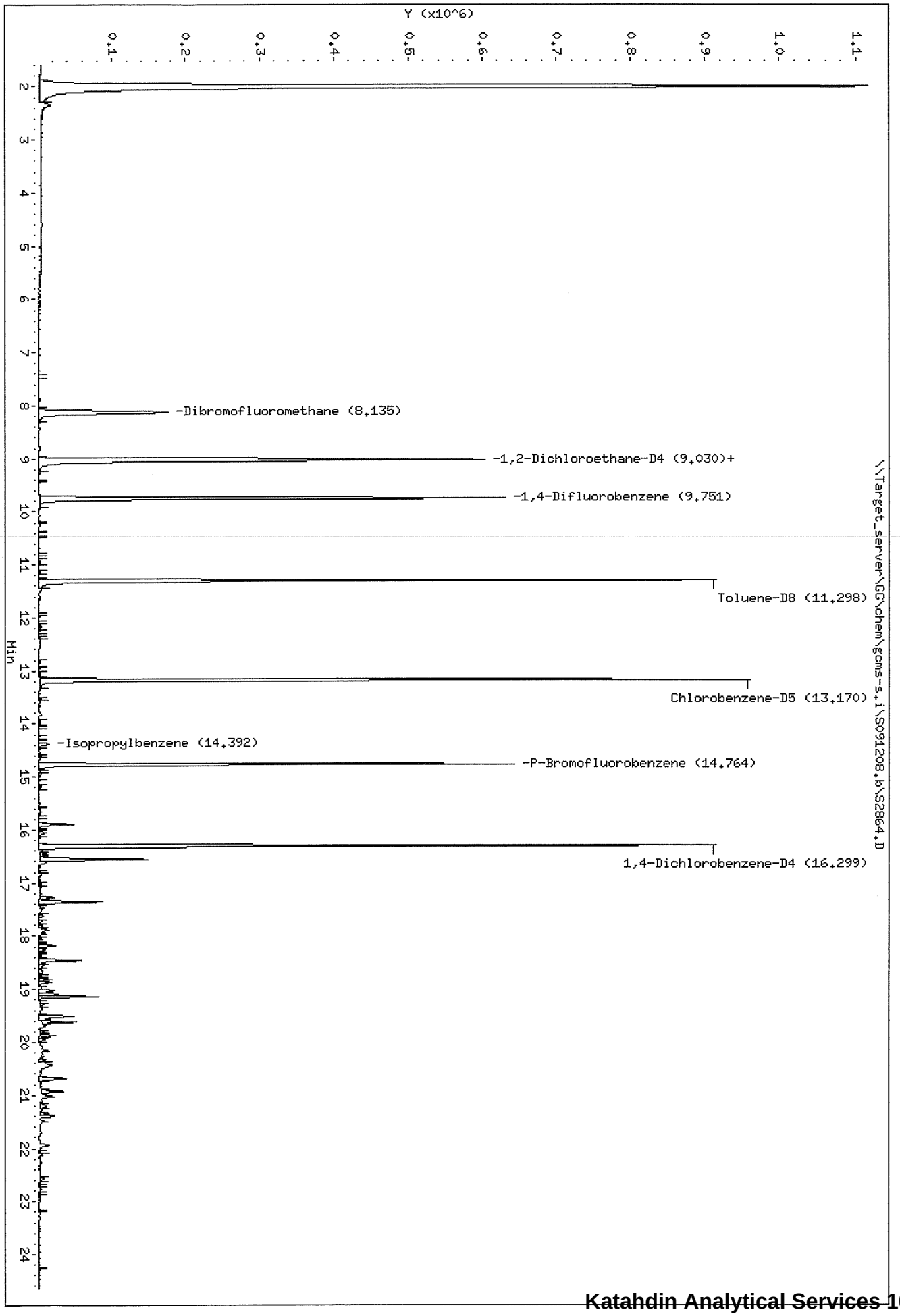
COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	474520	237260	949040	475133	0.13
49 1,4-Difluorobenze	732237	366119	1464474	719949	-1.68
66 Chlorobenzene-D5	618564	309282	1237128	627179	1.39
91 1,4-Dichlorobenze	311384	155692	622768	308672	-0.87

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	9.01	8.51	9.51	9.03	0.21
49 1,4-Difluorobenze	9.74	9.24	10.24	9.75	0.07
66 Chlorobenzene-D5	13.16	12.66	13.66	13.17	0.05
91 1,4-Dichlorobenze	16.29	15.79	16.79	16.30	0.04

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.

Data File: \\Target_server\GC\chem\gcms-s.i\S091208.b\S2864.D
Date : 12-SEP-2008 16:36
Client ID: AWD-GW-MW202-090808
Sample Info: SB5084-9

Instrument: gcms-s.i



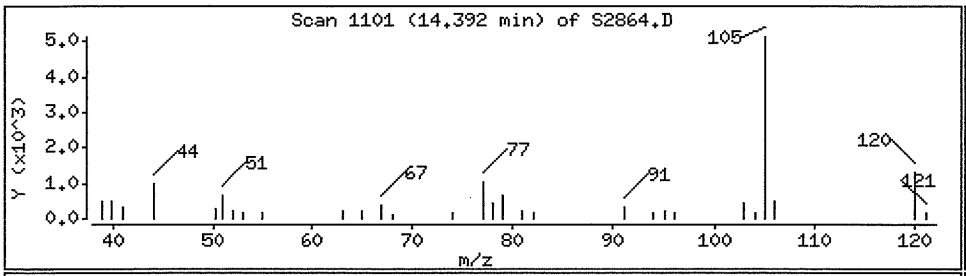
Data File: \\Target_server\GC\chem\gcms-s.i\S091208.b\S2864.D

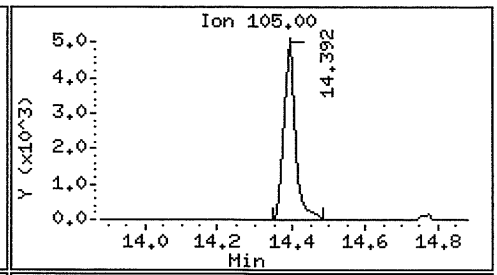
Date : 12-SEP-2008 16:36

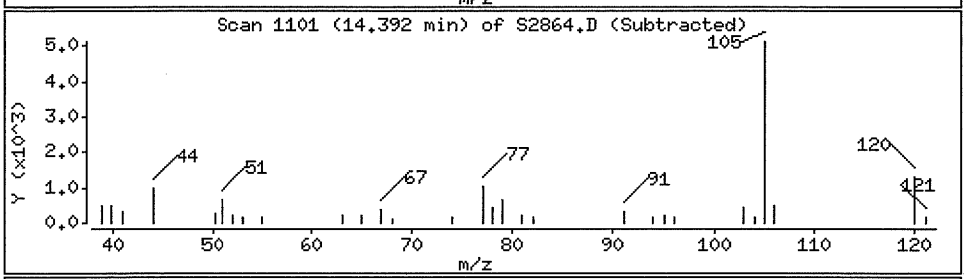
Client ID: AWD-GW-MW202-090808 Instrument: gcms-s.i

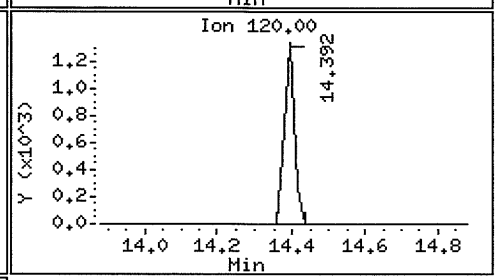
Sample Info: SB5084-9

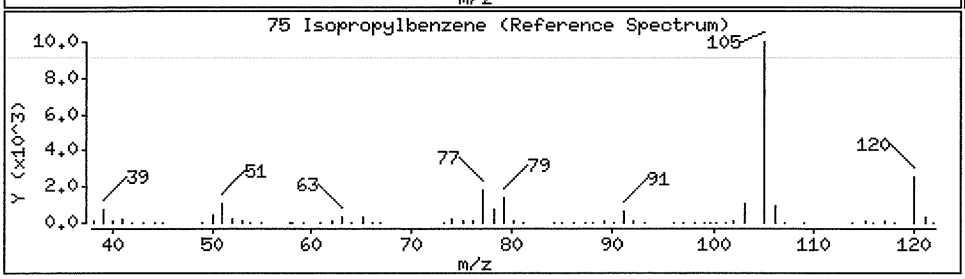
75 Isopropylbenzene Concentration: 0.70 ug/l











KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 09/09/08
Received Date: 09/11/08
Extraction Date:
Analysis Date: 12-SEP-2008 17:07
Report Date: 09/25/2008
Matrix: WATER
% Solids: NA

Lab ID: SB5084-10
Client ID: D-GW-MW14-090908
SDG: CTO426-5
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG55628
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
1634-04-4	Methyl tert-butyl ether	U	1	1.0	1	1	0.5
71-43-2	Benzene	U	1	1.0	1	1	0.3
108-88-3	Toluene	U	1	1.0	1	1	0.4
100-41-4	Ethylbenzene	U	1	1.0	1	1	0.3
1330-20-7	Xylenes (total)	U	3	1.0	3	3	0.3
	m+p-Xylenes	U	2	1.0	2	2	0.7
95-47-6	o-Xylene	U	1	1.0	1	1	0.3
98-82-8	Isopropylbenzene		2	1.0	1	1	0.4
91-20-3	Naphthalene	U	1	1.0	1	1	0.4
1868-53-7	Dibromofluoromethane		87%				
17060-07-0	1,2-Dichloroethane-D4		85%				
2037-26-5	Toluene-D8		87%				
460-00-4	P-Bromofluorobenzene		86%				

Data File: \\Target_server\GG\chem\gcms-s.i\S091208.b\S2865.D
Report Date: 24-Sep-2008 15:38

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gcms-s.i\S091208.b\S2865.D
Lab Smp Id: SB5084-10 Client Smp ID: D-GW-MW14-090908
Inj Date : 12-SEP-2008 17:07 MS Autotune Date: 21-NOV-2007 15:16
Operator : SKT Inst ID: gcms-s.i
Smp Info : SB5084-10
Misc Info : SW846 8260B
Comment :
Method : \\Target_server\GG\chem\gcms-s.i\S091208.b\s826a63.m
Meth Date : 22-Sep-2008 08:52 tcote Quant Type: ISTD
Cal Date : 10-SEP-2008 16:57 Cal File: S2831.D
Als bottle: 16
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TETRAT426001.sub
Target Version: 4.12
Processing Host: MIS_2

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)	REVIEW CODE
75 Isopropylbenzene	105	14.392	14.381	(0.883)	24525	1.52799	1.5	
$ 37 Dibromofluoromethane	113	8.135	8.124	(0.901)	231404	43.5886	43.6	
$ 45 1,2-Dichloroethane-D4	65	9.030	9.019	(1.000)	245529	42.5932	42.6	
$ 55 Toluene-D8	98	11.298	11.299	(1.159)	670840	43.6639	43.7	
$ 76 P-Bromofluorobenzene	95	14.764	14.753	(1.514)	267735	42.8294	42.8	
* 42 Pentafluorobenzene	168	9.030	9.019	(1.000)	475408	50.0000		
* 49 1,4-Difluorobenzene	114	9.751	9.740	(1.000)	741155	50.0000		
* 66 Chlorobenzene-D5	117	13.170	13.160	(1.000)	622251	50.0000		
* 91 1,4-Dichlorobenzene-D4	152	16.299	16.300	(1.000)	311054	50.0000		

Data File: \\Target_server\GG\chem\gcms-s.i\S091208.b\S2865.D
Report Date: 24-Sep-2008 15:38

Katahdin Analytical Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcms-s.i
Lab File ID: S2865.D
Lab Smp Id: SB5084-10
Analysis Type: VOA
Quant Type: ISTD
Operator: SKT
Method File: \\Target_server\GG\chem\gcms-s.i\S091208.b\s826a63.m
Misc Info: SW846 8260B

Calibration Date: 12-SEP-2008
Calibration Time: 08:47
Client Smp ID: D-GW-MW14-09090
Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 4

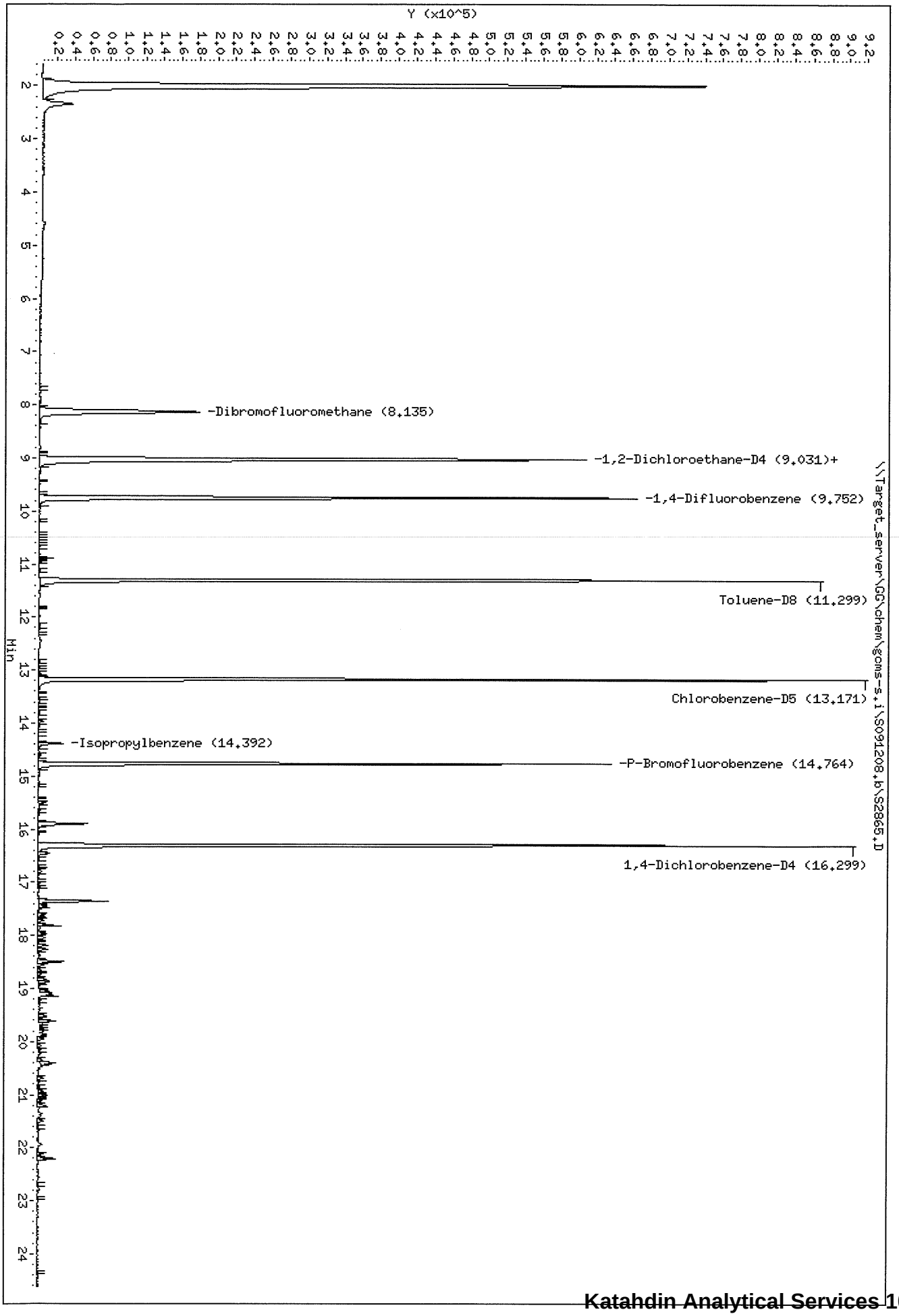
COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	474520	237260	949040	475408	0.19
49 1,4-Difluorobenze	732237	366119	1464474	741155	1.22
66 Chlorobenzene-D5	618564	309282	1237128	622251	0.60
91 1,4-Dichlorobenze	311384	155692	622768	311054	-0.11

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	9.01	8.51	9.51	9.03	0.21
49 1,4-Difluorobenze	9.74	9.24	10.24	9.75	0.07
66 Chlorobenzene-D5	13.16	12.66	13.66	13.17	0.06
91 1,4-Dichlorobenze	16.29	15.79	16.79	16.30	0.04

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.

Data File: \\Target_server\GC\chem\gcms-s.i\S091208.b\S2865.D
Date : 12-SEP-2008 17:07
Client ID: D-GW-MW14-090908
Sample Info: SB5084-10

Instrument: gcms-s.i



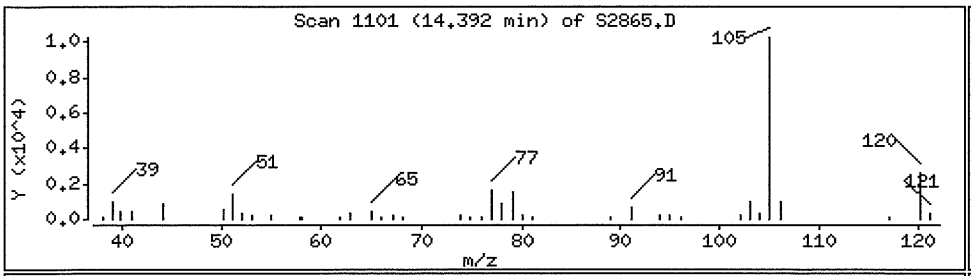
Data File: \\Target_server\GC\chem\gcms-s.i\S091208.b\S2865.D

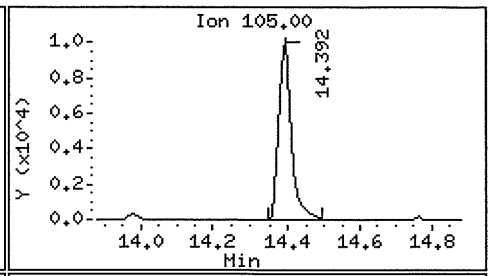
Date : 12-SEP-2008 17:07

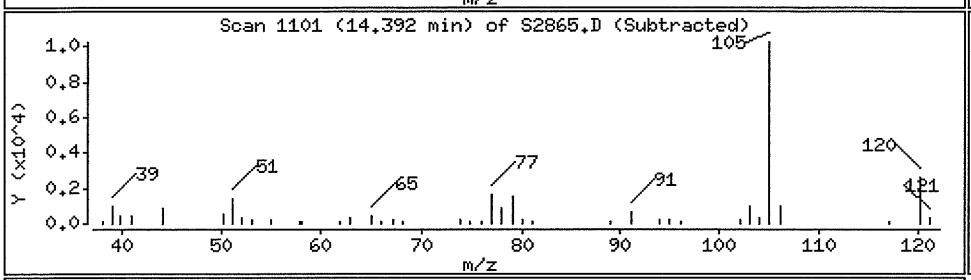
Client ID: D-GW-MW14-090908 Instrument: gcms-s.i

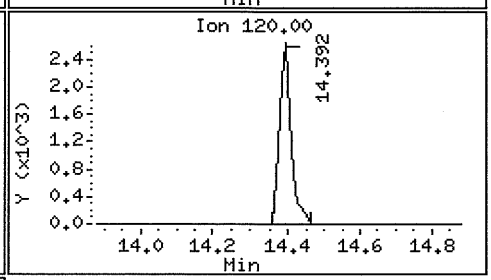
Sample Info: SB5084-10

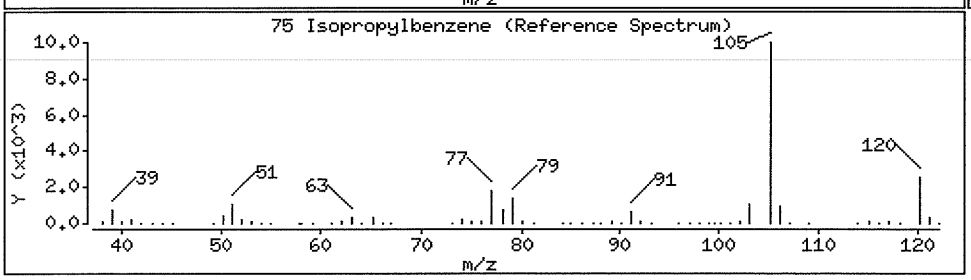
75 Isopropylbenzene Concentration: 1.5 ug/l











KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 09/09/08
Received Date: 09/11/08
Extraction Date:
Analysis Date: 12-SEP-2008 11:55
Report Date: 09/25/2008
Matrix: WATER
% Solids: NA

Lab ID: SB5084-11
Client ID: AWD-TB-090908
SDG: CTO426-5
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG55628
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
1634-04-4	Methyl tert-butyl ether	U	1	1.0	1	1	0.5
71-43-2	Benzene	U	1	1.0	1	1	0.3
108-88-3	Toluene	U	1	1.0	1	1	0.4
100-41-4	Ethylbenzene	U	1	1.0	1	1	0.3
1330-20-7	Xylenes (total)	U	3	1.0	3	3	0.3
	m+p-Xylenes	U	2	1.0	2	2	0.7
95-47-6	o-Xylene	U	1	1.0	1	1	0.3
98-82-8	Isopropylbenzene	U	1	1.0	1	1	0.4
91-20-3	Naphthalene	U	1	1.0	1	1	0.4
1868-53-7	Dibromofluoromethane		88%				
17060-07-0	1,2-Dichloroethane-D4		84%				
2037-26-5	Toluene-D8		86%				
460-00-4	P-Bromofluorobenzene		85%				

Data File: \\Target_server\GG\chem\gcms-s.i\S091208.b\S2855.D
Report Date: 24-Sep-2008 15:37

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gcms-s.i\S091208.b\S2855.D
Lab Smp Id: SB5084-11 Client Smp ID: AWD-TB-090908
Inj Date : 12-SEP-2008 11:55 MS Autotune Date: 21-NOV-2007 15:16
Operator : SKT Inst ID: gcms-s.i
Smp Info : SB5084-11
Misc Info : SW846 8260B
Comment :
Method : \\Target_server\GG\chem\gcms-s.i\S091208.b\s826a63.m
Meth Date : 22-Sep-2008 08:52 tcote Quant Type: ISTD
Cal Date : 10-SEP-2008 16:57 Cal File: S2831.D
Als bottle: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TETRAT426001.sub
Target Version: 4.12
Processing Host: MIS_2

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)	REVIEW CODE
$ 37 Dibromofluoromethane	113	8.123	8.124	(0.901)	231239	44.1397	44.1	
$ 45 1,2-Dichloroethane-D4	65	9.018	9.019	(1.000)	238196	41.8733	41.9	
$ 55 Toluene-D8	98	11.298	11.299	(1.160)	660651	42.9028	42.9	
$ 76 P-Bromofluorobenzene	95	14.752	14.753	(1.515)	267699	42.7262	42.7	
* 42 Pentafluorobenzene	168	9.018	9.019	(1.000)	469138	50.0000		
* 49 1,4-Difluorobenzene	114	9.740	9.740	(1.000)	742846	50.0000		
* 66 Chlorobenzene-D5	117	13.170	13.160	(1.000)	625786	50.0000		
* 91 1,4-Dichlorobenzene-D4	152	16.299	16.300	(1.000)	312522	50.0000		

Data File: \\Target_server\GG\chem\gcms-s.i\S091208.b\S2855.D
Report Date: 24-Sep-2008 15:37

Katahdin Analytical Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcms-s.i
Lab File ID: S2855.D
Lab Smp Id: SB5084-11
Analysis Type: VOA
Quant Type: ISTD
Operator: SKT
Method File: \\Target_server\GG\chem\gcms-s.i\S091208.b\s826a63.m
Misc Info: SW846 8260B

Calibration Date: 12-SEP-2008
Calibration Time: 08:47
Client Smp ID: AWD-TB-090908
Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 4

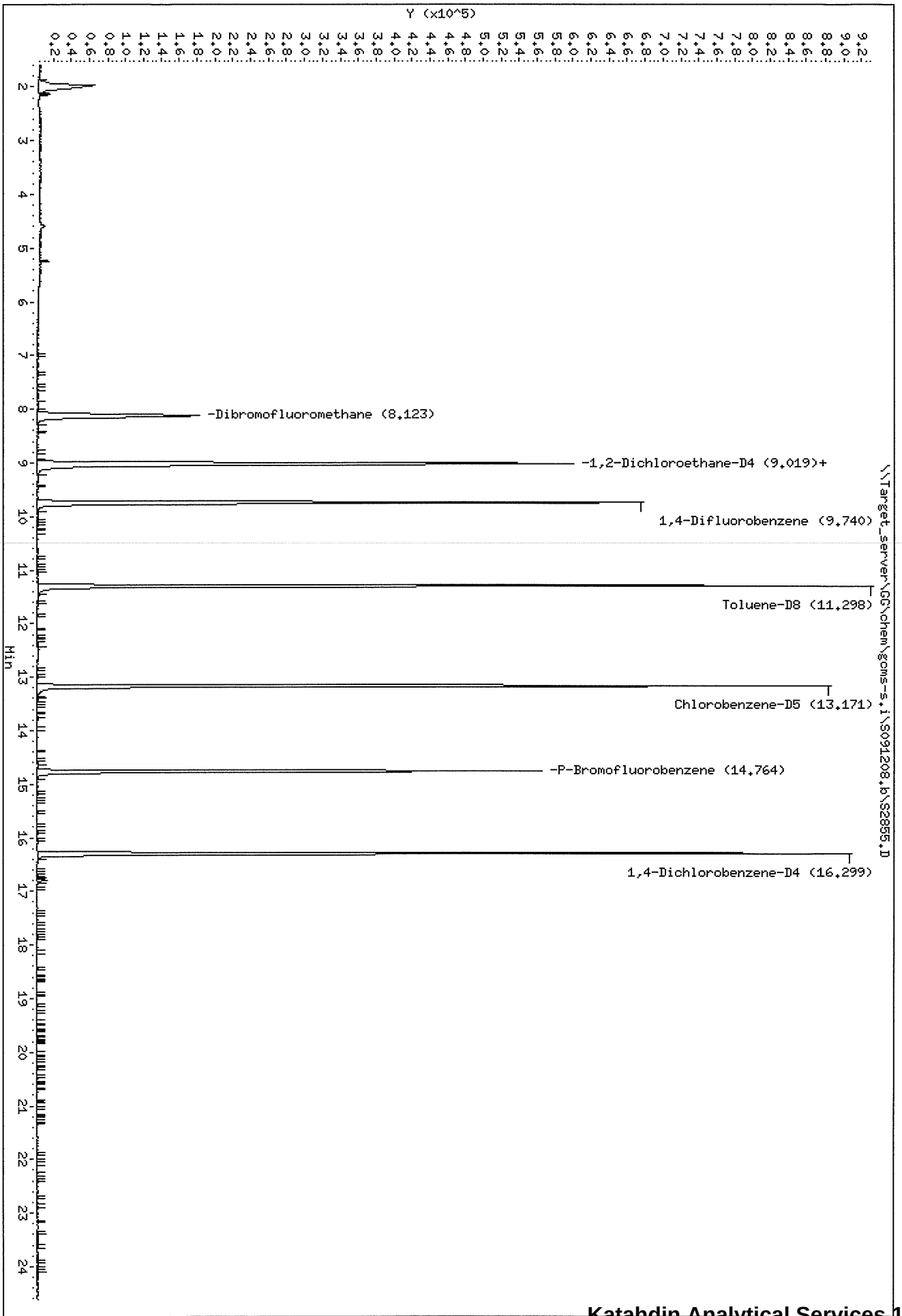
COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	474520	237260	949040	469138	-1.13
49 1,4-Difluorobenze	732237	366119	1464474	742846	1.45
66 Chlorobenzene-D5	618564	309282	1237128	625786	1.17
91 1,4-Dichlorobenze	311384	155692	622768	312522	0.37

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	9.01	8.51	9.51	9.02	0.08
49 1,4-Difluorobenze	9.74	9.24	10.24	9.74	-0.05
66 Chlorobenzene-D5	13.16	12.66	13.66	13.17	0.05
91 1,4-Dichlorobenze	16.29	15.79	16.79	16.30	0.04

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.

Data File: \\Target_server\GC\chem\gcms-s.i\S091208.b\S2855.D
Date : 12-SEP-2008 11:55
Client ID: AWD-TB-090908
Sample Info: SB5084-11

Instrument: gcms-s.i



KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 09/10/08
Received Date: 09/12/08
Extraction Date:
Analysis Date: 15-SEP-2008 15:46
Report Date: 09/25/2008
Matrix: WATER
% Solids: NA

Lab ID: SB5123-1
Client ID: AWD-GW-MWDUP02
SDG: CTO426-5
Extracted by:
Extraction Method: SW846 5030
Analyst: TTC
Analysis Method: SW846 8260B
Lab Prep Batch: WG55717
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
1634-04-4	Methyl tert-butyl ether	U	1	1.0	1	1	0.5
71-43-2	Benzene	U	1	1.0	1	1	0.3
108-88-3	Toluene	U	1	1.0	1	1	0.4
100-41-4	Ethylbenzene	U	1	1.0	1	1	0.3
1330-20-7	Xylenes (total)	U	3	1.0	3	3	0.3
	m+p-Xylenes	U	2	1.0	2	2	0.7
95-47-6	o-Xylene	U	1	1.0	1	1	0.3
98-82-8	Isopropylbenzene	J	0.8	1.0	1	1	0.4
91-20-3	Naphthalene		5	1.0	1	1	0.4
1868-53-7	Dibromofluoromethane		86%				
17060-07-0	1,2-Dichloroethane-D4		85%				
2037-26-5	Toluene-D8		83%				
460-00-4	P-Bromofluorobenzene		109%				

Data File: \\Target_server\GG\chem\gcms-f.i\F091508.b\F1742.D
Report Date: 24-Sep-2008 15:21

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gcms-f.i\F091508.b\F1742.D
Lab Smp Id: SB5123-1 Client Smp ID: AWD-GW-MWDUP02
Inj Date : 15-SEP-2008 15:46 MS Autotune Date: 02-SEP-2008 16:04
Operator : TTC Inst ID: gcms-f.i
Smp Info : SB5123-1
Misc Info : SW846 8260B
Comment :
Method : \\Target_server\GG\chem\gcms-f.i\F091508.b\F826a15.m
Meth Date : 16-Sep-2008 08:55 tcote Quant Type: ISTD
Cal Date : 05-SEP-2008 14:06 Cal File: F1671.D
Als bottle: 8
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TETRAT426001.sub
Target Version: 4.12
Processing Host: MIS_2

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	sample purged
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	CONCENTRATIONS FINAL (ug/l)	REVIEW CODE
75 Isopropylbenzene	105	13.903	13.892	(0.880)	22396	0.85403	0.85(a)	
101 Naphthalene	128	19.079	19.069	(1.208)	81351	5.00056	5.0	
$ 37 Dibromofluoromethane	113	7.264	7.207	(0.867)	452685	43.0658	43.1	
$ 45 1,2-Dichloroethane-D4	65	8.366	8.321	(0.999)	517717	42.3364	42.3	
$ 55 Toluene-D8	98	10.908	10.886	(1.182)	997308	41.3453	41.3	
$ 76 P-Bromofluorobenzene	95	14.262	14.241	(1.546)	573710	54.5027	54.5	
* 42 Pentafluorobenzene	168	8.378	8.333	(1.000)	955944	50.0000		
* 49 1,4-Difluorobenzene	114	9.225	9.192	(1.000)	1266018	50.0000		
* 66 Chlorobenzene-D5	117	12.684	12.674	(1.000)	1160178	50.0000		
* 91 1,4-Dichlorobenzene-D4	152	15.794	15.773	(1.000)	643467	50.0000		

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: \\Target_server\GG\chem\gcms-f.i\F091508.b\F1742.D
Report Date: 24-Sep-2008 15:21

Katahdin Analytical Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcms-f.i
Lab File ID: F1742.D
Lab Smp Id: SB5123-1
Analysis Type: VOA
Quant Type: ISTD
Operator: TTC
Method File: \\Target_server\GG\chem\gcms-f.i\F091508.b\F826a15.m
Misc Info: SW846 8260B

Calibration Date: 15-SEP-2008
Calibration Time: 10:52
Client Smp ID: AWD-GW-MWDUP02
Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 4

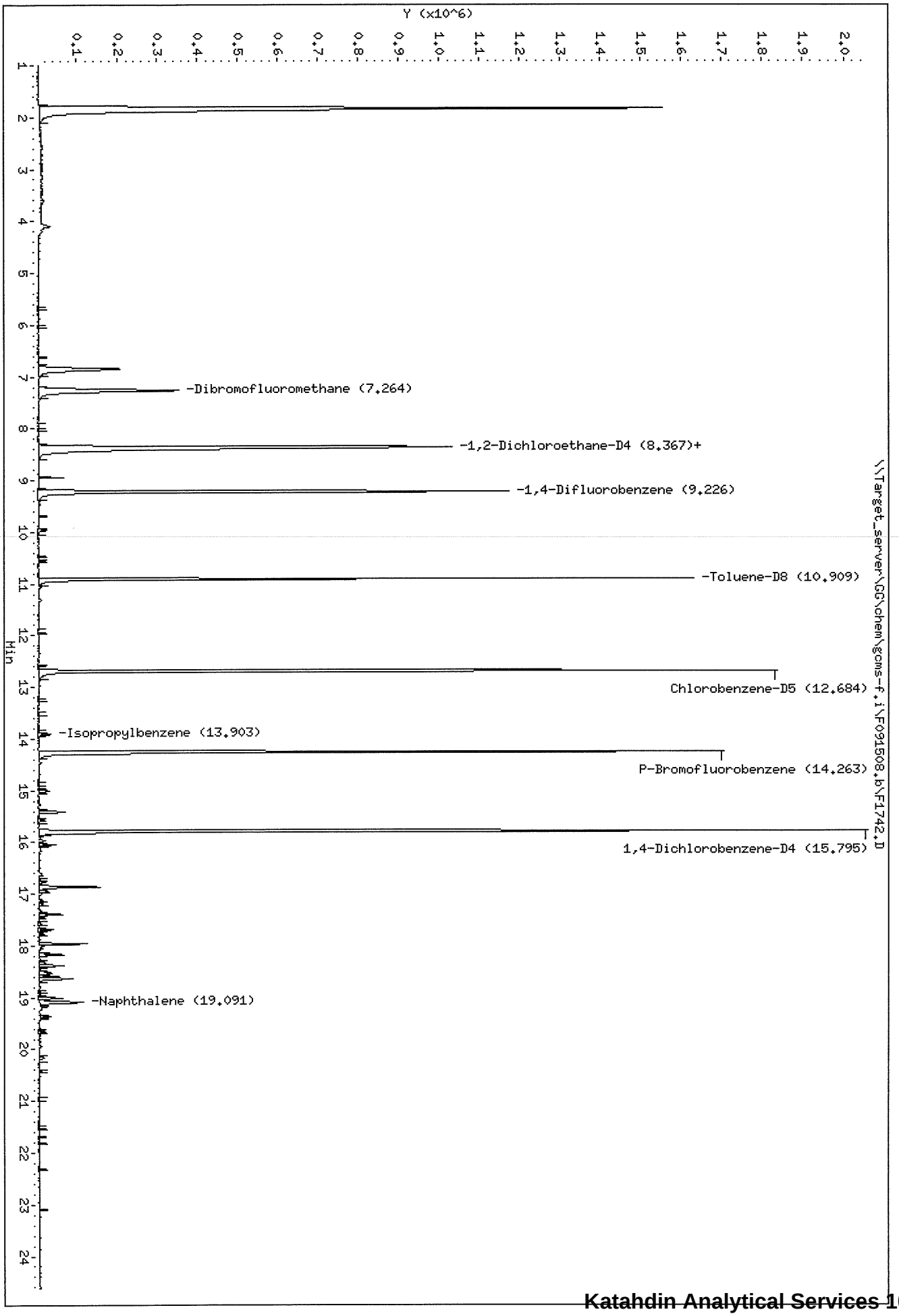
COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	1031231	515616	2062462	955944	-7.30
49 1,4-Difluorobenze	1434445	717223	2868890	1266018	-11.74
66 Chlorobenzene-D5	1217306	608653	2434612	1160178	-4.69
91 1,4-Dichlorobenze	736485	368243	1472970	643467	-12.63

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	8.39	7.89	8.89	8.38	-0.15
49 1,4-Difluorobenze	9.23	8.73	9.73	9.23	-0.01
66 Chlorobenzene-D5	12.70	12.20	13.20	12.68	-0.10
91 1,4-Dichlorobenze	15.80	15.30	16.30	15.79	-0.00

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.

Data File: \\Target_server\GC\chem\gcms-f.i\F091508.b\F1742.D
Date : 15-SEP-2008 15:46
Client ID: AWD-GW-MWDUP02
Sample Info: SB5123-1

Instrument: gcms-f.i



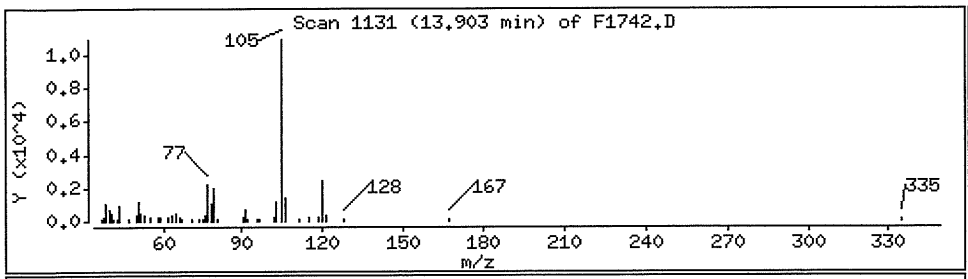
Data File: \\Target_server\GC\chem\gcms-f.i\F091508.b\F1742.D

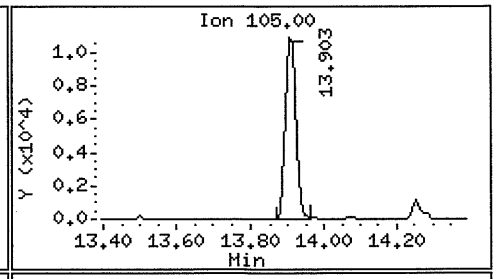
Date : 15-SEP-2008 15:46

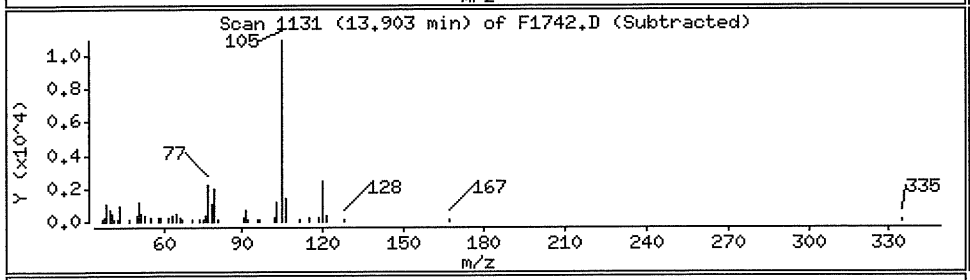
Client ID: AWD-GW-MWDUP02 Instrument: gcms-f.i

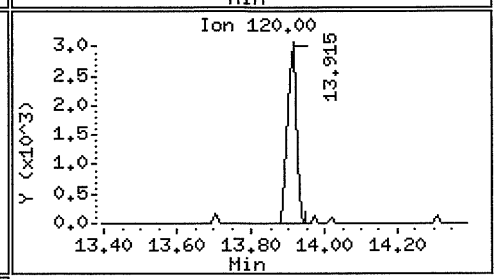
Sample Info: SB5123-1

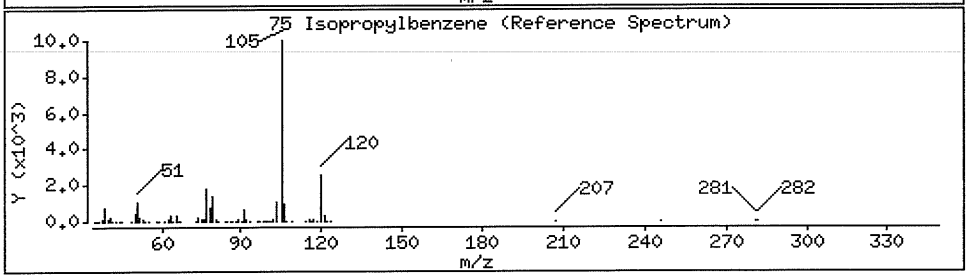
75 Isopropylbenzene Concentration: 0.85 ug/l



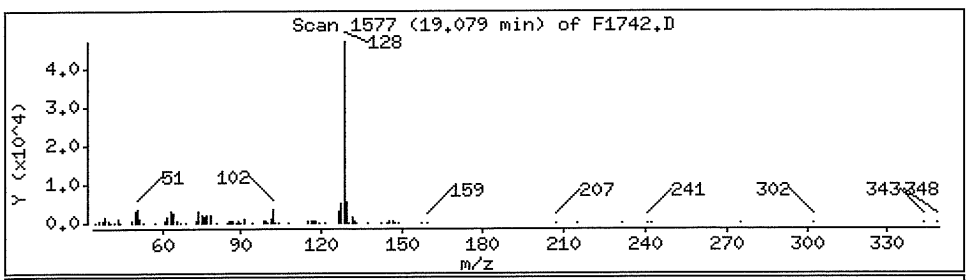


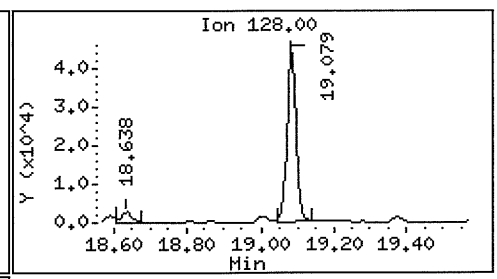


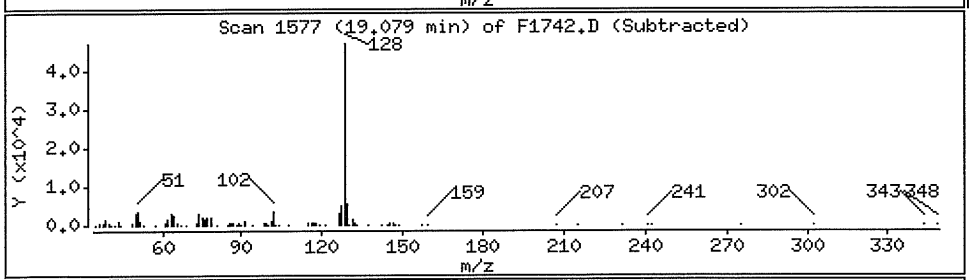


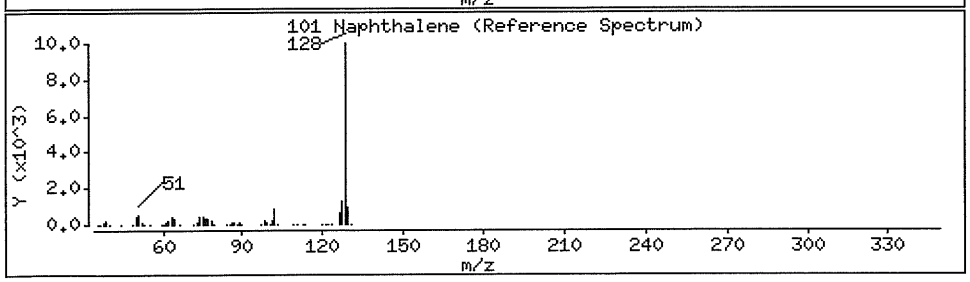


101 Naphthalene Concentration: 5.0 ug/l









KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 09/10/08
Received Date: 09/12/08
Extraction Date:
Analysis Date: 15-SEP-2008 16:16
Report Date: 09/25/2008
Matrix: WATER
% Solids: NA

Lab ID: SB5123-2
Client ID: AWD-GW-MW102-091008
SDG: CTO426-5
Extracted by:
Extraction Method: SW846 5030
Analyst: TTC
Analysis Method: SW846 8260B
Lab Prep Batch: WG55717
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
1634-04-4	Methyl tert-butyl ether	U	1	1.0	1	1	0.5
71-43-2	Benzene	U	1	1.0	1	1	0.3
108-88-3	Toluene	U	1	1.0	1	1	0.4
100-41-4	Ethylbenzene	U	1	1.0	1	1	0.3
1330-20-7	Xylenes (total)	U	3	1.0	3	3	0.3
	m+p-Xylenes	U	2	1.0	2	2	0.7
95-47-6	o-Xylene	U	1	1.0	1	1	0.3
98-82-8	Isopropylbenzene		1	1.0	1	1	0.4
91-20-3	Naphthalene		7	1.0	1	1	0.4
1868-53-7	Dibromofluoromethane		88%				
17060-07-0	1,2-Dichloroethane-D4		86%				
2037-26-5	Toluene-D8		86%				
460-00-4	P-Bromofluorobenzene		106%				

Data File: \\Target_server\GG\chem\gcms-f.i\F091508.b\F1743.D
Report Date: 24-Sep-2008 15:21

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gcms-f.i\F091508.b\F1743.D
Lab Smp Id: SB5123-2 Client Smp ID: AWD-GW-MW102-091008
Inj Date : 15-SEP-2008 16:16 MS Autotune Date: 02-SEP-2008 16:04
Operator : TTC Inst ID: gcms-f.i
Smp Info : SB5123-2
Misc Info : SW846 8260B
Comment :
Method : \\Target_server\GG\chem\gcms-f.i\F091508.b\F826a15.m
Meth Date : 16-Sep-2008 08:55 tcote Quant Type: ISTD
Cal Date : 05-SEP-2008 14:06 Cal File: F1671.D
Als bottle: 9
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TETRAT426001.sub
Target Version: 4.12
Processing Host: MIS_2

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	sample purged
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	CONCENTRATIONS FINAL (ug/l)	REVIEW COD
75 Isopropylbenzene	105	13.902	13.892	(0.880)	25754	1.01671	1.0	
101 Naphthalene	128	19.079	19.069	(1.208)	104356	6.64087	6.6	
$ 37 Dibromofluoromethane	113	7.264	7.207	(0.867)	451672	43.7659	43.8	
$ 45 1,2-Dichloroethane-D4	65	8.366	8.321	(0.999)	515277	42.9179	42.9	
$ 55 Toluene-D8	98	10.908	10.886	(1.182)	1043073	42.7881	42.8	
$ 76 P-Bromofluorobenzene	95	14.262	14.241	(1.546)	564395	53.0542	53.0	
* 42 Pentafluorobenzene	168	8.378	8.333	(1.000)	938547	50.0000		
* 49 1,4-Difluorobenzene	114	9.225	9.192	(1.000)	1279466	50.0000		
* 66 Chlorobenzene-D5	117	12.684	12.674	(1.000)	1151471	50.0000		
* 91 1,4-Dichlorobenzene-D4	152	15.794	15.773	(1.000)	621548	50.0000		

Data File: \\Target_server\GG\chem\gcms-f.i\F091508.b\F1743.D
Report Date: 24-Sep-2008 15:21

Katahdin Analytical Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcms-f.i
Lab File ID: F1743.D
Lab Smp Id: SB5123-2
Analysis Type: VOA
Quant Type: ISTD
Operator: TTC
Method File: \\Target_server\GG\chem\gcms-f.i\F091508.b\F826a15.m
Misc Info: SW846 8260B

Calibration Date: 15-SEP-2008
Calibration Time: 10:52
Client Smp ID: AWD-GW-MW102-09
Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 4

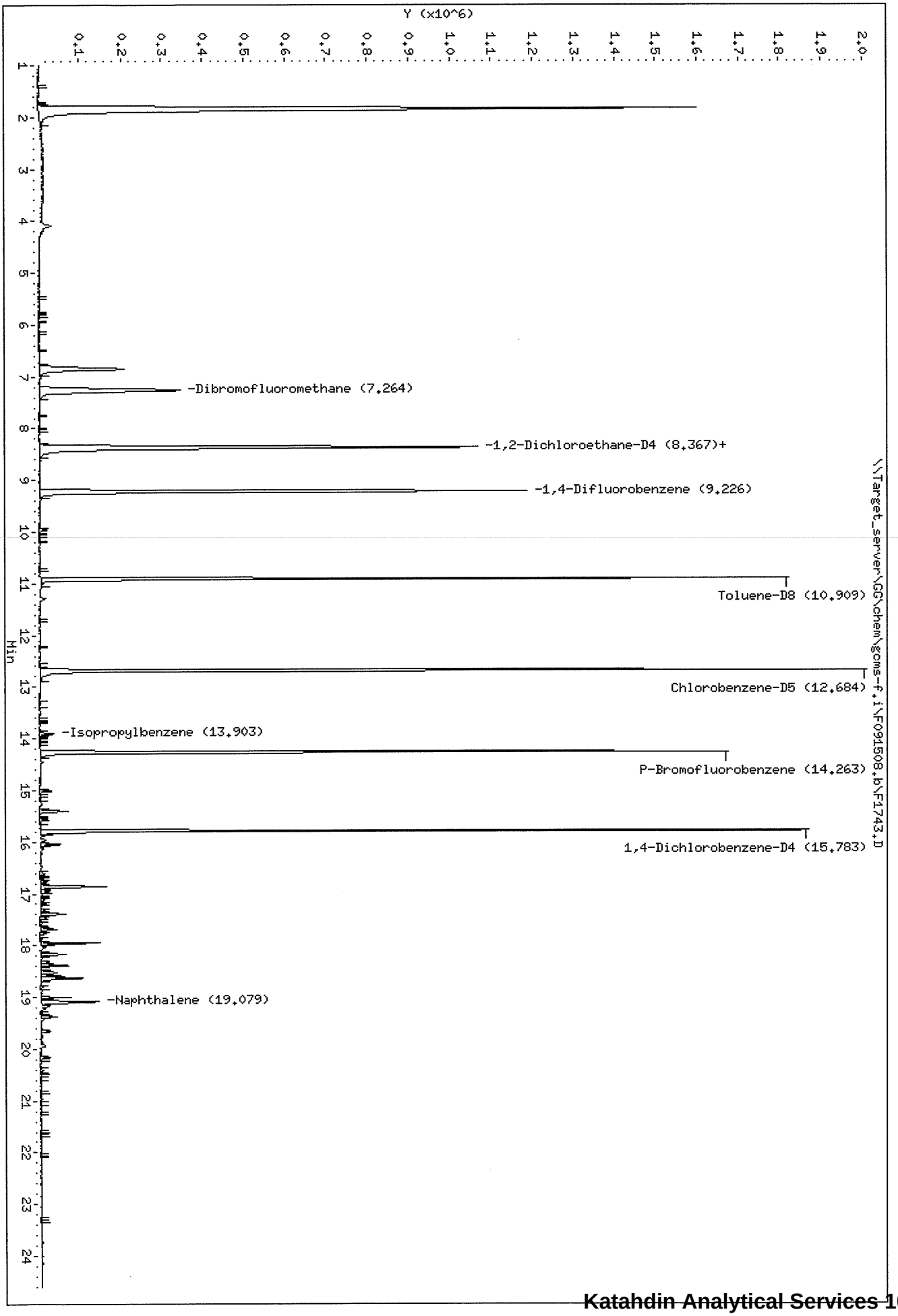
COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	1031231	515616	2062462	938547	-8.99
49 1,4-Difluorobenze	1434445	717223	2868890	1279466	-10.80
66 Chlorobenzene-D5	1217306	608653	2434612	1151471	-5.41
91 1,4-Dichlorobenze	736485	368243	1472970	621548	-15.61

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	8.39	7.89	8.89	8.38	-0.15
49 1,4-Difluorobenze	9.23	8.73	9.73	9.23	-0.01
66 Chlorobenzene-D5	12.70	12.20	13.20	12.68	-0.10
91 1,4-Dichlorobenze	15.80	15.30	16.30	15.79	-0.00

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.

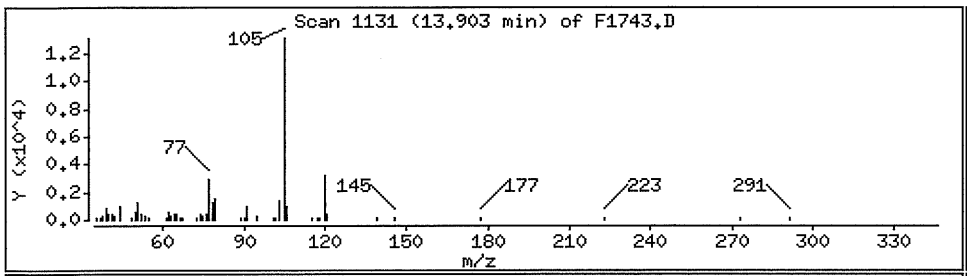
Data File: \\Target_server\GC\chem\gcms-f.i\F091508.b\F1743.D
Date : 15-SEP-2008 16:16
Client ID: AWD-GW-MW102-091008
Sample Info: SB5123-2

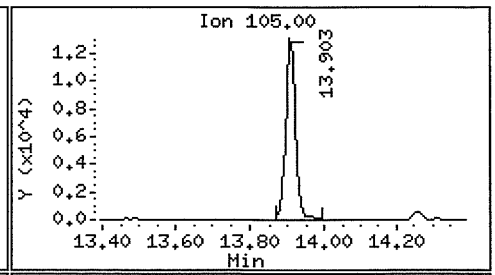
Instrument: gcms-f.i

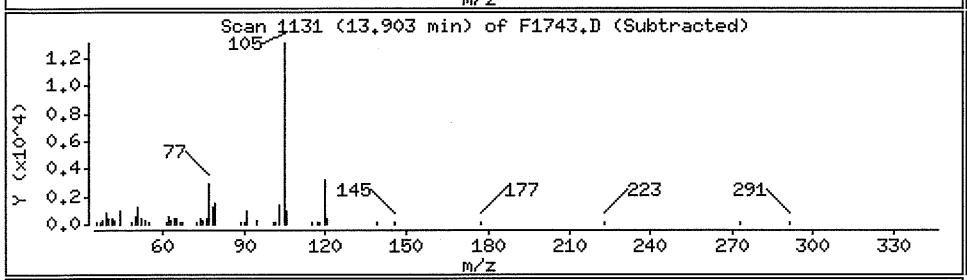


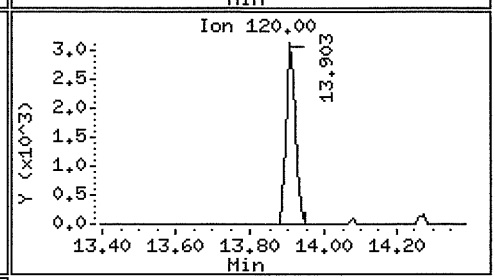
Data File: \\Target_server\GC\chem\gcms-f.i\F091508.b\F1743.D
Date : 15-SEP-2008 16:16
Client ID: AWD-GW-MW102-091008 Instrument: gcms-f.i
Sample Info: SB5123-2

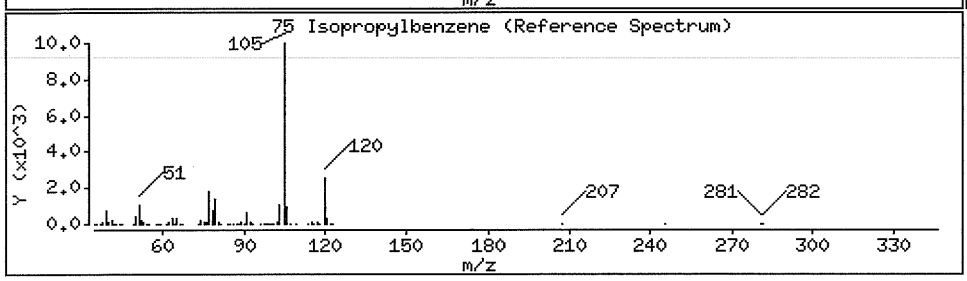
75 Isopropylbenzene Concentration: 1.0 ug/l



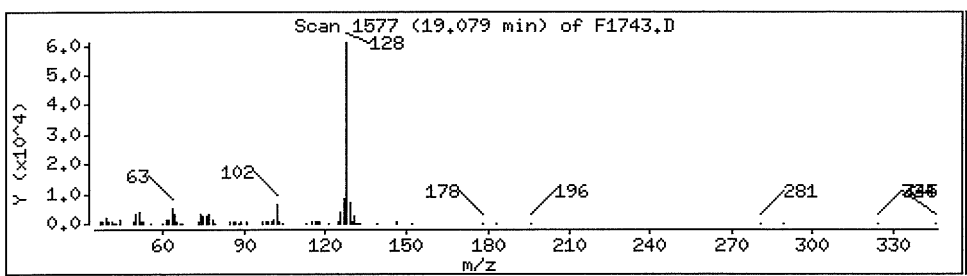


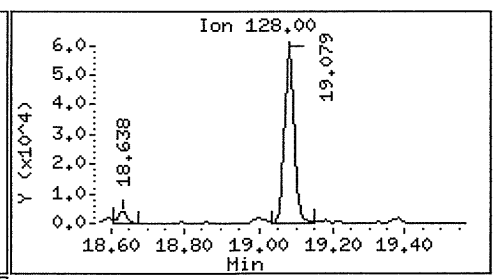


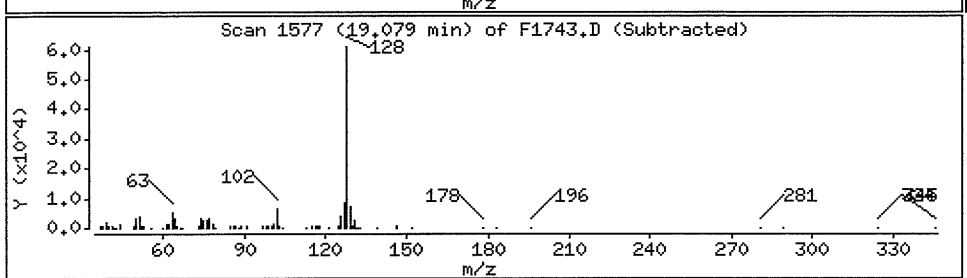


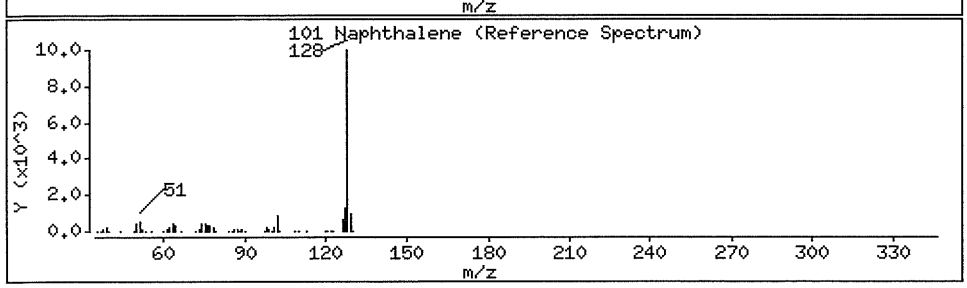


101 Naphthalene Concentration: 6.6 ug/l









KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 09/10/08
Received Date: 09/12/08
Extraction Date:
Analysis Date: 15-SEP-2008 16:47
Report Date: 09/25/2008
Matrix: WATER
% Solids: NA

Lab ID: SB5123-3
Client ID: AWD-GW-MW101-091008
SDG: CTO426-5
Extracted by:
Extraction Method: SW846 5030
Analyst: TTC
Analysis Method: SW846 8260B
Lab Prep Batch: WG55717
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
1634-04-4	Methyl tert-butyl ether	U	1	1.0	1	1	0.5
71-43-2	Benzene	U	1	1.0	1	1	0.3
108-88-3	Toluene	U	1	1.0	1	1	0.4
100-41-4	Ethylbenzene	U	1	1.0	1	1	0.3
1330-20-7	Xylenes (total)	U	3	1.0	3	3	0.3
	m+p-Xylenes	U	2	1.0	2	2	0.7
95-47-6	o-Xylene	U	1	1.0	1	1	0.3
98-82-8	Isopropylbenzene	U	1	1.0	1	1	0.4
91-20-3	Naphthalene	U	1	1.0	1	1	0.4
1868-53-7	Dibromofluoromethane		85%				
17060-07-0	1,2-Dichloroethane-D4		85%				
2037-26-5	Toluene-D8		88%				
460-00-4	P-Bromofluorobenzene		105%				

Data File: \\Target_server\GG\chem\gcms-f.i\F091508.b\F1744.D
Report Date: 24-Sep-2008 15:22

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gcms-f.i\F091508.b\F1744.D
Lab Smp Id: SB5123-3 Client Smp ID: AWD-GW-MW101-091008
Inj Date : 15-SEP-2008 16:47 MS Autotune Date: 02-SEP-2008 16:04
Operator : TTC Inst ID: gcms-f.i
Smp Info : SB5123-3
Misc Info : SW846 8260B
Comment :
Method : \\Target_server\GG\chem\gcms-f.i\F091508.b\F826a15.m
Meth Date : 16-Sep-2008 08:55 tcote Quant Type: ISTD
Cal Date : 05-SEP-2008 14:06 Cal File: F1671.D
Als bottle: 10
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TETRAT426001.sub
Target Version: 4.12
Processing Host: MIS_2

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	sample purged
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	CONCENTRATIONS FINAL (ug/l)	REVIEW CODE
$ 37 Dibromofluoromethane	113	7.258	7.207	(0.867)	447534	42.4564	42.4	
$ 45 1,2-Dichloroethane-D4	65	8.361	8.321	(0.999)	522356	42.5960	42.6	
$ 55 Toluene-D8	98	10.903	10.886	(1.183)	1047901	43.7847	43.8	
$ 76 P-Bromofluorobenzene	95	14.257	14.241	(1.546)	547826	52.4534	52.4	
* 42 Pentafluorobenzene	168	8.372	8.333	(1.000)	958632	50.0000		
* 49 1,4-Difluorobenzene	114	9.220	9.192	(1.000)	1256130	50.0000		
* 66 Chlorobenzene-D5	117	12.690	12.674	(1.000)	1125815	50.0000		
* 91 1,4-Dichlorobenzene-D4	152	15.789	15.773	(1.000)	618939	50.0000		

Data File: \\Target_server\GG\chem\gcms-f.i\F091508.b\F1744.D
Report Date: 24-Sep-2008 15:22

Katahdin Analytical Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcms-f.i
Lab File ID: F1744.D
Lab Smp Id: SB5123-3
Analysis Type: VOA
Quant Type: ISTD
Operator: TTC
Method File: \\Target_server\GG\chem\gcms-f.i\F091508.b\F826a15.m
Misc Info: SW846 8260B

Calibration Date: 15-SEP-2008
Calibration Time: 10:52
Client Smp ID: AWD-GW-MW101-09
Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 4

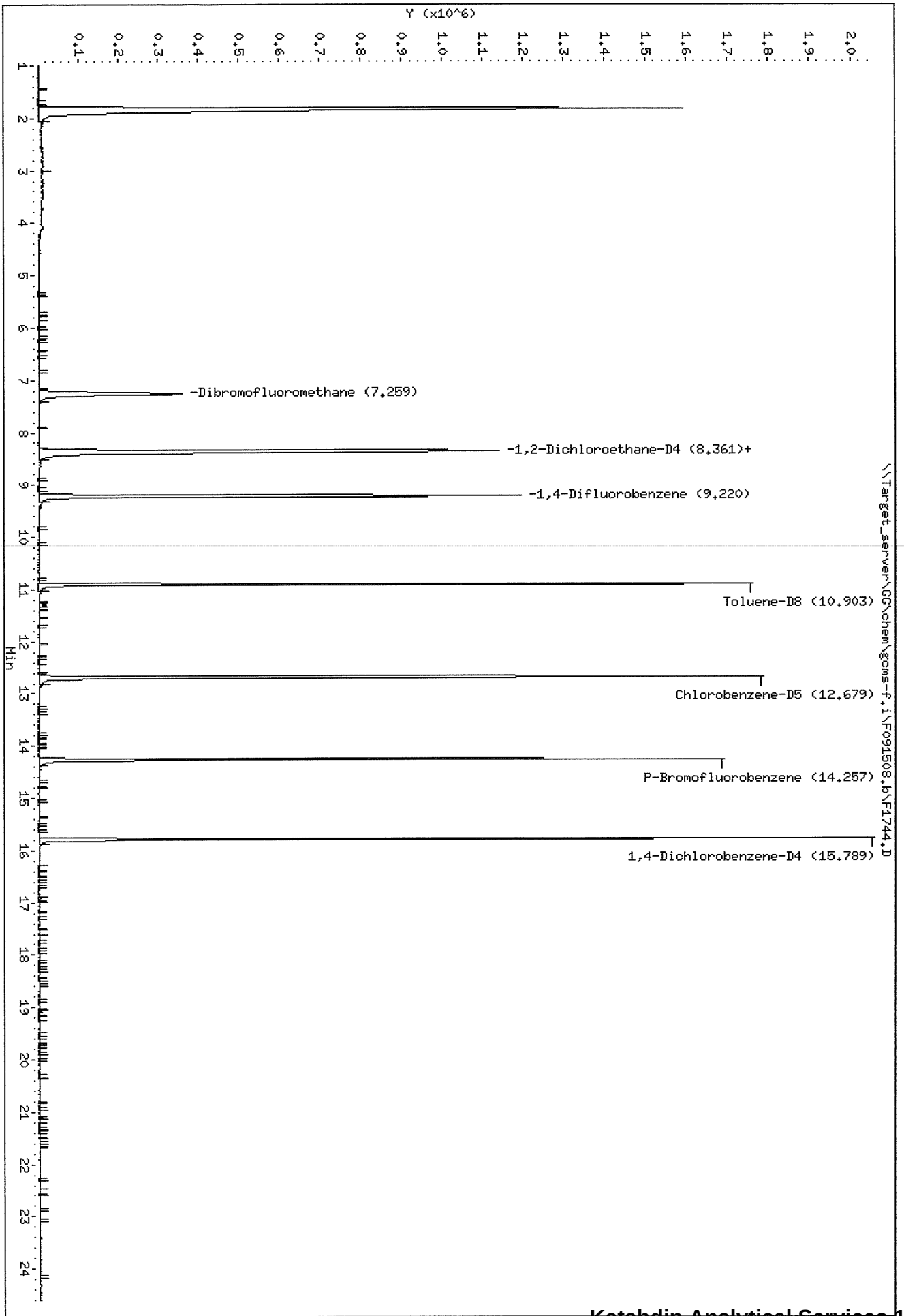
COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	1031231	515616	2062462	958632	-7.04
49 1,4-Difluorobenze	1434445	717223	2868890	1256130	-12.43
66 Chlorobenzene-D5	1217306	608653	2434612	1125815	-7.52
91 1,4-Dichlorobenze	736485	368243	1472970	618939	-15.96

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	8.39	7.89	8.89	8.37	-0.21
49 1,4-Difluorobenze	9.23	8.73	9.73	9.22	-0.07
66 Chlorobenzene-D5	12.70	12.20	13.20	12.69	-0.05
91 1,4-Dichlorobenze	15.80	15.30	16.30	15.79	-0.04

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.

Data File: \\Target_server\GC\chem\gcms-f.i\F091508.b\F1744.D
Date : 15-SEP-2008 16:47
Client ID: AWD-GW-MW101-091008
Sample Info: SB5123-3

Instrument: gcms-f.i



KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 09/10/08
Received Date: 09/12/08
Extraction Date:
Analysis Date: 15-SEP-2008 17:18
Report Date: 09/25/2008
Matrix: WATER
% Solids: NA

Lab ID: SB5123-4
Client ID: AWD-GW-MW305-091008
SDG: CTO426-5
Extracted by:
Extraction Method: SW846 5030
Analyst: TTC
Analysis Method: SW846 8260B
Lab Prep Batch: WG55717
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
1634-04-4	Methyl tert-butyl ether	U	1	1.0	1	1	0.5
71-43-2	Benzene	U	1	1.0	1	1	0.3
108-88-3	Toluene	U	1	1.0	1	1	0.4
100-41-4	Ethylbenzene	U	1	1.0	1	1	0.3
1330-20-7	Xylenes (total)	U	3	1.0	3	3	0.3
	m+p-Xylenes	U	2	1.0	2	2	0.7
95-47-6	o-Xylene	U	1	1.0	1	1	0.3
98-82-8	Isopropylbenzene	U	1	1.0	1	1	0.4
91-20-3	Naphthalene	U	1	1.0	1	1	0.4
1868-53-7	Dibromofluoromethane		86%				
17060-07-0	1,2-Dichloroethane-D4		85%				
2037-26-5	Toluene-D8		88%				
460-00-4	P-Bromofluorobenzene		105%				

Data File: \\Target_server\GG\chem\gcms-f.i\F091508.b\F1745.D
Report Date: 24-Sep-2008 15:22

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gcms-f.i\F091508.b\F1745.D
Lab Smp Id: SB5123-4 Client Smp ID: AWD-GW-MW305-091008
Inj Date : 15-SEP-2008 17:18 MS Autotune Date: 02-SEP-2008 16:04
Operator : TTC Inst ID: gcms-f.i
Smp Info : SB5123-4
Misc Info : SW846 8260B
Comment :
Method : \\Target_server\GG\chem\gcms-f.i\F091508.b\F826a15.m
Meth Date : 16-Sep-2008 08:55 tcote Quant Type: ISTD
Cal Date : 05-SEP-2008 14:06 Cal File: F1671.D
Als bottle: 11
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TETRAT426001.sub
Target Version: 4.12
Processing Host: MIS_2

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)	REVIEW CODI
$ 37 Dibromofluoromethane	113	7.268	7.207	(0.868)	448287	43.2862	43.3	
$ 45 1,2-Dichloroethane-D4	65	8.359	8.321	(0.999)	515032	42.7477	42.7	
$ 55 Toluene-D8	98	10.912	10.886	(1.184)	1050017	43.8869	43.9	
$ 76 P-Bromofluorobenzene	95	14.255	14.241	(1.546)	546383	52.3317	52.3	
* 42 Pentafluorobenzene	168	8.370	8.333	(1.000)	941836	50.0000		
* 49 1,4-Difluorobenzene	114	9.218	9.192	(1.000)	1255735	50.0000		
* 66 Chlorobenzene-D5	117	12.688	12.674	(1.000)	1097936	50.0000		
* 91 1,4-Dichlorobenzene-D4	152	15.787	15.773	(1.000)	619254	50.0000		

Data File: \\Target_server\GG\chem\gcms-f.i\F091508.b\F1745.D
Report Date: 24-Sep-2008 15:22

Katahdin Analytical Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcms-f.i
Lab File ID: F1745.D
Lab Smp Id: SB5123-4
Analysis Type: VOA
Quant Type: ISTD
Operator: TTC
Method File: \\Target_server\GG\chem\gcms-f.i\F091508.b\F826a15.m
Misc Info: SW846 8260B

Calibration Date: 15-SEP-2008
Calibration Time: 10:52
Client Smp ID: AWD-GW-MW305-09
Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 4

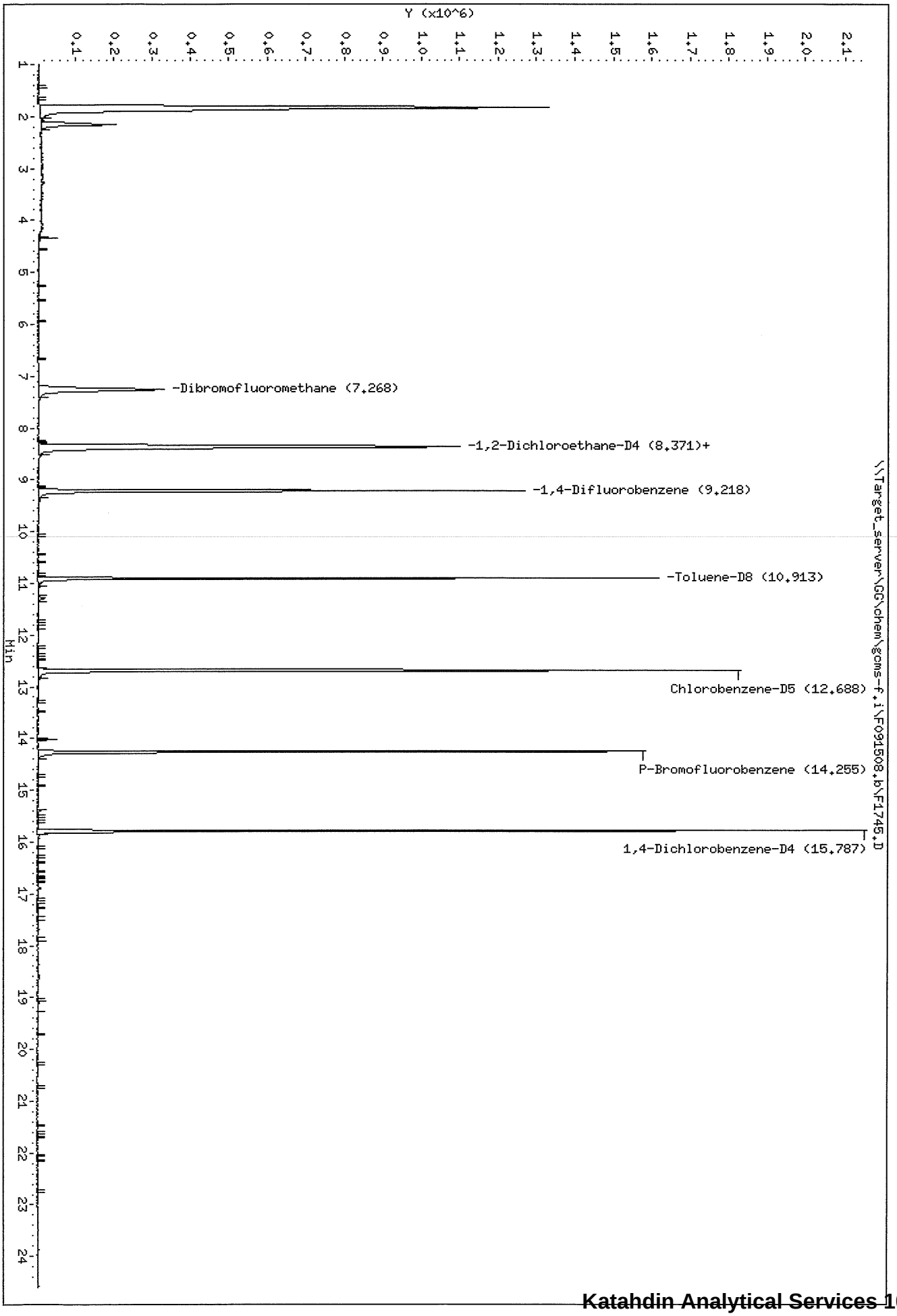
COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	1031231	515616	2062462	941836	-8.67
49 1,4-Difluorobenze	1434445	717223	2868890	1255735	-12.46
66 Chlorobenzene-D5	1217306	608653	2434612	1097936	-9.81
91 1,4-Dichlorobenze	736485	368243	1472970	619254	-15.92

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	8.39	7.89	8.89	8.37	-0.24
49 1,4-Difluorobenze	9.23	8.73	9.73	9.22	-0.09
66 Chlorobenzene-D5	12.70	12.20	13.20	12.69	-0.07
91 1,4-Dichlorobenze	15.80	15.30	16.30	15.79	-0.05

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.

Data File: \\Target_server\GC\chem\gcms-f.i\F091508.b\F1745.D
Date : 15-SEP-2008 17:18
Client ID: AWD-GW-MW305-091008
Sample Info: SB5123-4

Instrument: gcms-f.i



KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 09/10/08
Received Date: 09/12/08
Extraction Date:
Analysis Date: 15-SEP-2008 17:49
Report Date: 09/25/2008
Matrix: WATER
% Solids: NA

Lab ID: SB5123-5
Client ID: AWD-GW-MW404-091008
SDG: CTO426-5
Extracted by:
Extraction Method: SW846 5030
Analyst: TTC
Analysis Method: SW846 8260B
Lab Prep Batch: WG55717
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
1634-04-4	Methyl tert-butyl ether	U	1	1.0	1	1	0.5
71-43-2	Benzene	U	1	1.0	1	1	0.3
108-88-3	Toluene	U	1	1.0	1	1	0.4
100-41-4	Ethylbenzene	U	1	1.0	1	1	0.3
1330-20-7	Xylenes (total)	U	3	1.0	3	3	0.3
	m+p-Xylenes	U	2	1.0	2	2	0.7
95-47-6	o-Xylene	U	1	1.0	1	1	0.3
98-82-8	Isopropylbenzene	U	1	1.0	1	1	0.4
91-20-3	Naphthalene	U	1	1.0	1	1	0.4
1868-53-7	Dibromofluoromethane		86%				
17060-07-0	1,2-Dichloroethane-D4		88%				
2037-26-5	Toluene-D8		88%				
460-00-4	P-Bromofluorobenzene		109%				

Data File: \\Target_server\GG\chem\gcms-f.i\F091508.b\F1746.D
Report Date: 24-Sep-2008 15:22

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gcms-f.i\F091508.b\F1746.D
Lab Smp Id: SB5123-5 Client Smp ID: AWD-GW-MW404-091008
Inj Date : 15-SEP-2008 17:49 MS Autotune Date: 02-SEP-2008 16:04
Operator : TTC Inst ID: gcms-f.i
Smp Info : SB5123-5
Misc Info : SW846 8260B
Comment :
Method : \\Target_server\GG\chem\gcms-f.i\F091508.b\F826a15.m
Meth Date : 16-Sep-2008 08:55 tcote Quant Type: ISTD
Cal Date : 05-SEP-2008 14:06 Cal File: F1671.D
Als bottle: 12
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TETRAT426001.sub
Target Version: 4.12
Processing Host: MIS_2

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)	REVIEW CODE
$ 37 Dibromofluoromethane	113	7.257	7.207	(0.867)	435886	42.9504	43.0	
$ 45 1,2-Dichloroethane-D4	65	8.348	8.321	(0.997)	520977	44.1264	44.1	
$ 55 Toluene-D8	98	10.901	10.886	(1.183)	1018728	43.7704	43.8	
$ 76 P-Bromofluorobenzene	95	14.255	14.241	(1.546)	554672	54.6120	54.6	
* 42 Pentafluorobenzene	168	8.371	8.333	(1.000)	922942	50.0000		
* 49 1,4-Difluorobenzene	114	9.218	9.192	(1.000)	1221558	50.0000		
* 66 Chlorobenzene-D5	117	12.677	12.674	(1.000)	1133067	50.0000		
* 91 1,4-Dichlorobenzene-D4	152	15.787	15.773	(1.000)	603965	50.0000		

Data File: \\Target_server\GG\chem\gcms-f.i\F091508.b\F1746.D
Report Date: 24-Sep-2008 15:22

Katahdin Analytical Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcms-f.i
Lab File ID: F1746.D
Lab Smp Id: SB5123-5
Analysis Type: VOA
Quant Type: ISTD
Operator: TTC
Method File: \\Target_server\GG\chem\gcms-f.i\F091508.b\F826a15.m
Misc Info: SW846 8260B

Calibration Date: 15-SEP-2008
Calibration Time: 10:52
Client Smp ID: AWD-GW-MW404-09
Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 4

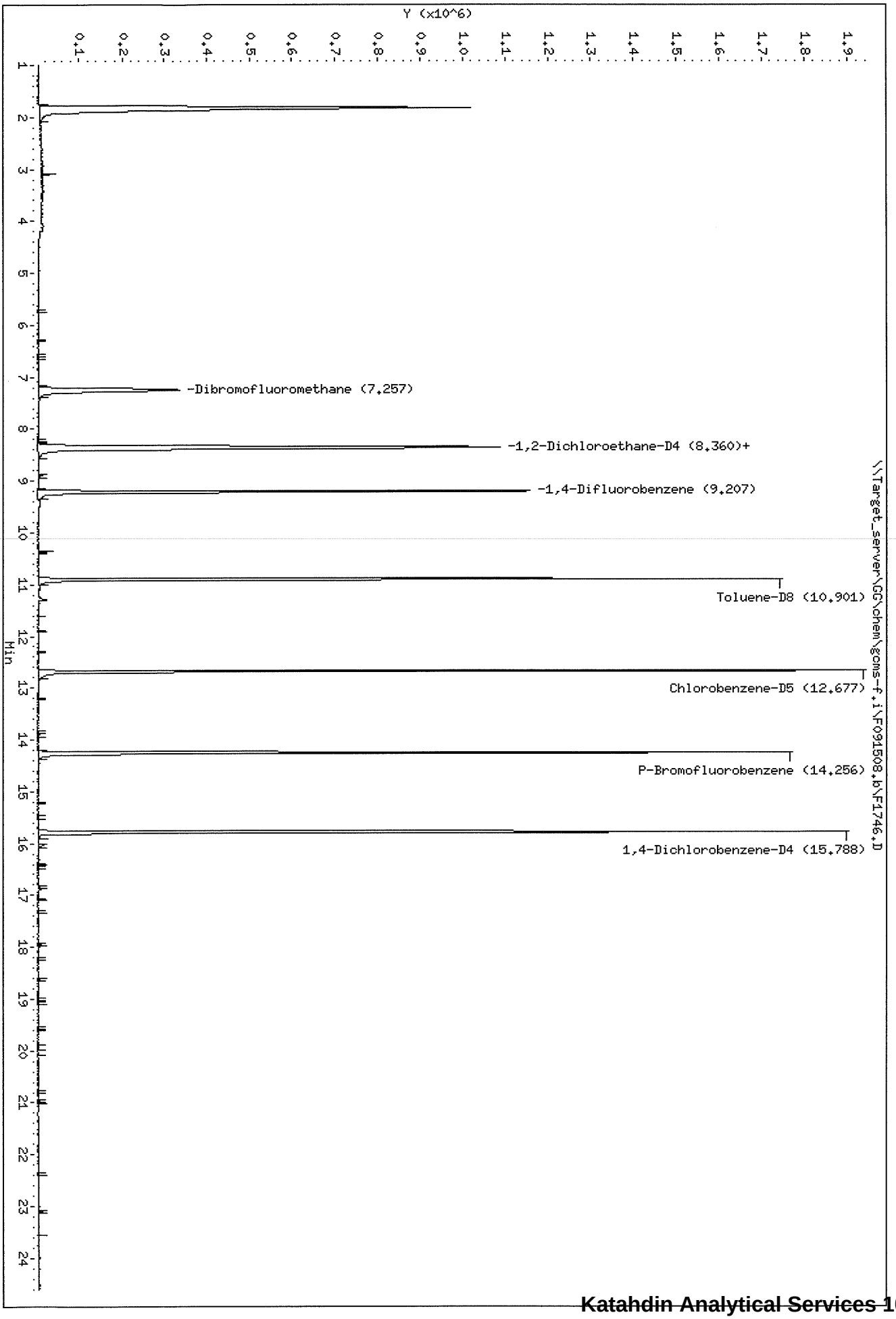
COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	1031231	515616	2062462	922942	-10.50
49 1,4-Difluorobenze	1434445	717223	2868890	1221558	-14.84
66 Chlorobenzene-D5	1217306	608653	2434612	1133067	-6.92
91 1,4-Dichlorobenze	736485	368243	1472970	603965	-17.99

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	8.39	7.89	8.89	8.37	-0.23
49 1,4-Difluorobenze	9.23	8.73	9.73	9.22	-0.09
66 Chlorobenzene-D5	12.70	12.20	13.20	12.68	-0.15
91 1,4-Dichlorobenze	15.80	15.30	16.30	15.79	-0.05

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.

Data File: \\Target_server\GC\chem\gcms-f.i\F091508.b\F1746.D
Date : 15-SEP-2008 17:49
Client ID: AWD-GW-MW404-091008
Sample Info: SB5123-5

Instrument: gcms-f.i



KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 09/10/08
Received Date: 09/12/08
Extraction Date:
Analysis Date: 15-SEP-2008 18:20
Report Date: 09/25/2008
Matrix: WATER
% Solids: NA

Lab ID: SB5123-6
Client ID: AWD-GW-MW304-091008
SDG: CTO426-5
Extracted by:
Extraction Method: SW846 5030
Analyst: TTC
Analysis Method: SW846 8260B
Lab Prep Batch: WG55717
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
1634-04-4	Methyl tert-butyl ether	U	1	1.0	1	1	0.5
71-43-2	Benzene	U	1	1.0	1	1	0.3
108-88-3	Toluene	U	1	1.0	1	1	0.4
100-41-4	Ethylbenzene	U	1	1.0	1	1	0.3
1330-20-7	Xylenes (total)	U	3	1.0	3	3	0.3
	m+p-Xylenes	U	2	1.0	2	2	0.7
95-47-6	o-Xylene	U	1	1.0	1	1	0.3
98-82-8	Isopropylbenzene	J	0.4	1.0	1	1	0.4
91-20-3	Naphthalene	U	1	1.0	1	1	0.4
1868-53-7	Dibromofluoromethane		84%				
17060-07-0	1,2-Dichloroethane-D4		88%				
2037-26-5	Toluene-D8		80%				
460-00-4	P-Bromofluorobenzene		106%				

Data File: \\Target_server\GG\chem\gcms-f.i\F091508.b\F1747.D
Report Date: 24-Sep-2008 15:22

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gcms-f.i\F091508.b\F1747.D
Lab Smp Id: SB5123-6 Client Smp ID: AWD-GW-MW304-091008
Inj Date : 15-SEP-2008 18:20 MS Autotune Date: 02-SEP-2008 16:04
Operator : TTC Inst ID: gcms-f.i
Smp Info : SB5123-6
Misc Info : SW846 8260B
Comment :
Method : \\Target_server\GG\chem\gcms-f.i\F091508.b\F826a15.m
Meth Date : 16-Sep-2008 08:55 tcote Quant Type: ISTD
Cal Date : 05-SEP-2008 14:06 Cal File: F1671.D
Als bottle: 13
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TETRAT426001.sub
Target Version: 4.12
Processing Host: MIS_2

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)	REVIEW CODE
75 Isopropylbenzene	105	13.896	13.892	(0.881)	10258	0.42055	0.42(a)	
$ 37 Dibromofluoromethane	113	7.245	7.207	(0.867)	416212	41.9577	42.0	
$ 45 1,2-Dichloroethane-D4	65	8.348	8.321	(0.999)	505438	43.7976	43.8	
$ 55 Toluene-D8	98	10.901	10.886	(1.184)	939451	40.2011	40.2	
$ 76 P-Bromofluorobenzene	95	14.255	14.241	(1.548)	541608	53.1102	53.1	
* 42 Pentafluorobenzene	168	8.360	8.333	(1.000)	902136	50.0000		
* 49 1,4-Difluorobenzene	114	9.207	9.192	(1.000)	1226516	50.0000		
* 66 Chlorobenzene-D5	117	12.677	12.674	(1.000)	1074697	50.0000		
* 91 1,4-Dichlorobenzene-D4	152	15.776	15.773	(1.000)	598509	50.0000		

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: \\Target_server\GG\chem\gcms-f.i\F091508.b\F1747.D
Report Date: 24-Sep-2008 15:22

Katahdin Analytical Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcms-f.i
Lab File ID: F1747.D
Lab Smp Id: SB5123-6
Analysis Type: VOA
Quant Type: ISTD
Operator: TTC
Method File: \\Target_server\GG\chem\gcms-f.i\F091508.b\F826a15.m
Misc Info: SW846 8260B

Calibration Date: 15-SEP-2008
Calibration Time: 10:52
Client Smp ID: AWD-GW-MW304-09
Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 4

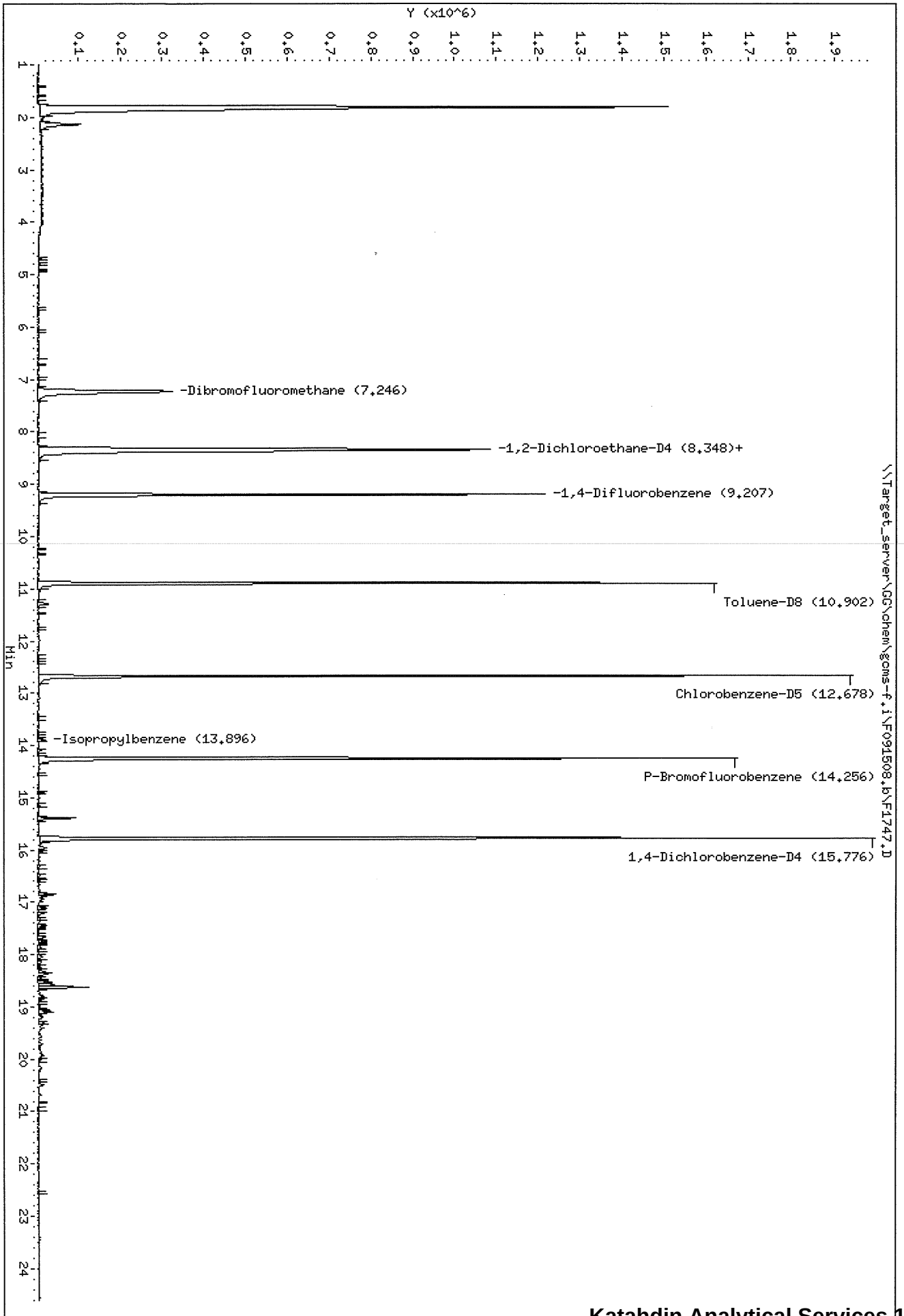
COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	1031231	515616	2062462	902136	-12.52
49 1,4-Difluorobenze	1434445	717223	2868890	1226516	-14.50
66 Chlorobenzene-D5	1217306	608653	2434612	1074697	-11.72
91 1,4-Dichlorobenze	736485	368243	1472970	598509	-18.73

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	8.39	7.89	8.89	8.36	-0.37
49 1,4-Difluorobenze	9.23	8.73	9.73	9.21	-0.21
66 Chlorobenzene-D5	12.70	12.20	13.20	12.68	-0.15
91 1,4-Dichlorobenze	15.80	15.30	16.30	15.78	-0.12

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.

Data File: \\Target_server\GC\chem\gcms-f.i\F091508.b\F1747.D
Date : 15-SEP-2008 18:20
Client ID: AWD-GW-MW304-091008
Sample Info: SB5123-6

Instrument: gcms-f.i



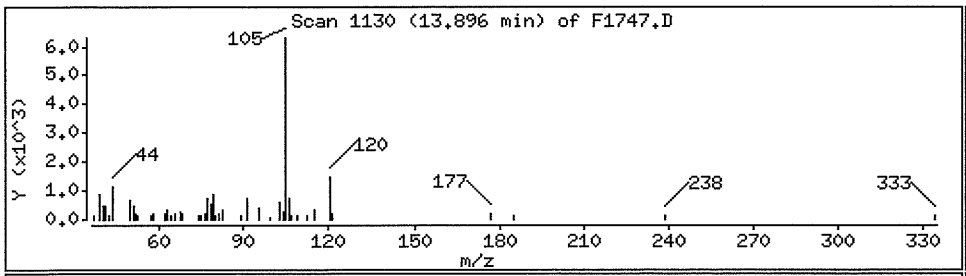
Data File: \\Target_server\GC\chem\gcms-f.i\F091508.b\F1747.D

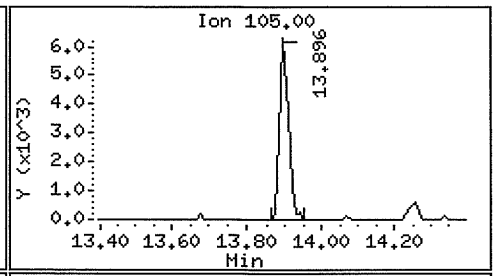
Date : 15-SEP-2008 18:20

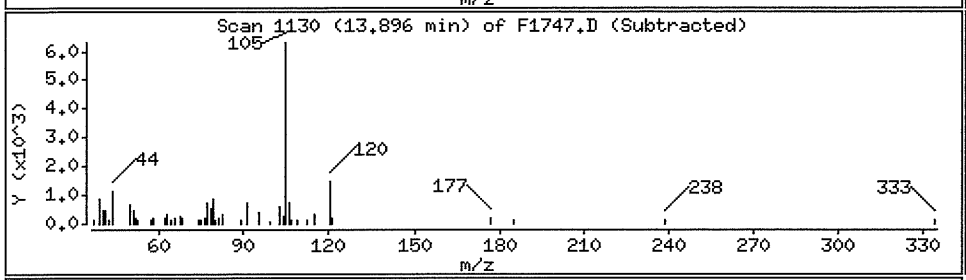
Client ID: AWD-GW-MW304-091008 Instrument: gcms-f.i

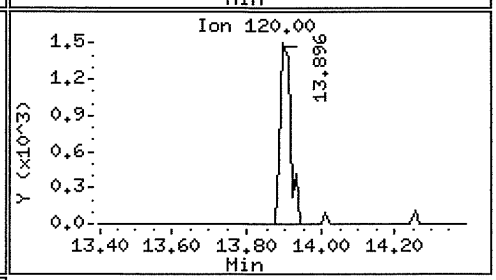
Sample Info: SB5123-6

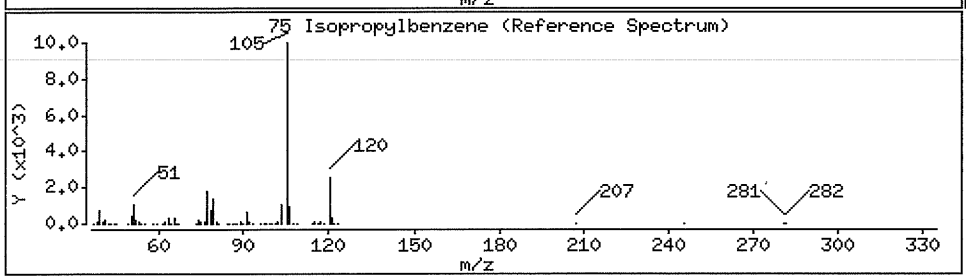
75 Isopropylbenzene Concentration: 0.42 ug/l











KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 09/10/08
Received Date: 09/12/08
Extraction Date:
Analysis Date: 15-SEP-2008 18:52
Report Date: 09/25/2008
Matrix: WATER
% Solids: NA

Lab ID: SB5123-7
Client ID: AWD-GW-MW402-091008
SDG: CTO426-5
Extracted by:
Extraction Method: SW846 5030
Analyst: TTC
Analysis Method: SW846 8260B
Lab Prep Batch: WG55717
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
1634-04-4	Methyl tert-butyl ether	U	1	1.0	1	1	0.5
71-43-2	Benzene	U	1	1.0	1	1	0.3
108-88-3	Toluene	U	1	1.0	1	1	0.4
100-41-4	Ethylbenzene		1	1.0	1	1	0.3
1330-20-7	Xylenes (total)	J	0.3	1.0	3	3	0.3
	m+p-Xylenes	U	2	1.0	2	2	0.7
95-47-6	o-Xylene	J	0.3	1.0	1	1	0.3
98-82-8	Isopropylbenzene		2	1.0	1	1	0.4
91-20-3	Naphthalene		14	1.0	1	1	0.4
1868-53-7	Dibromofluoromethane		90%				
17060-07-0	1,2-Dichloroethane-D4		92%				
2037-26-5	Toluene-D8		82%				
460-00-4	P-Bromofluorobenzene		101%				

Data File: \\Target_server\GG\chem\gcms-f.i\F091508.b\F1748.D
Report Date: 24-Sep-2008 15:22

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gcms-f.i\F091508.b\F1748.D
Lab Smp Id: SB5123-7 Client Smp ID: AWD-GW-MW402-091008
Inj Date : 15-SEP-2008 18:52 MS Autotune Date: 02-SEP-2008 16:04
Operator : TTC Inst ID: gcms-f.i
Smp Info : SB5123-7
Misc Info : SW846 8260B
Comment :
Method : \\Target_server\GG\chem\gcms-f.i\F091508.b\F826a15.m
Meth Date : 16-Sep-2008 08:55 tcote Quant Type: ISTD
Cal Date : 05-SEP-2008 14:06 Cal File: F1671.D
Als bottle: 14
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TETRAT426001.sub
Target Version: 4.12
Processing Host: MIS_2

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)	REVIEW COD
68 Ethylbenzene	106	12.752	12.743	(1.006)	12946	1.43047	1.4	
M 70 Xylenes (total)	106				2919	0.26509	0.26(a)	
72 o-Xylene	106	13.472	13.475	(1.063)	2919	0.26509	0.26(a)	
75 Isopropylbenzene	105	13.890	13.892	(0.880)	43815	1.82998	1.8	
101 Naphthalene	128	19.066	19.069	(1.208)	207743	13.9864	14.0	
$ 37 Dibromofluoromethane	113	7.228	7.207	(0.866)	415959	45.0083	45.0	
$ 45 1,2-Dichloroethane-D4	65	8.331	8.321	(0.999)	493386	45.8896	45.9	
$ 55 Toluene-D8	98	10.895	10.886	(1.184)	936532	40.8100	40.8	
$ 76 P-Bromofluorobenzene	95	14.250	14.241	(1.549)	504226	50.3499	50.3	
* 42 Pentafluorobenzene	168	8.342	8.333	(1.000)	840478	50.0000		
* 49 1,4-Difluorobenzene	114	9.201	9.192	(1.000)	1204461	50.0000		
* 66 Chlorobenzene-D5	117	12.671	12.674	(1.000)	1042070	50.0000		
* 91 1,4-Dichlorobenzene-D4	152	15.782	15.773	(1.000)	587495	50.0000		

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: \\Target_server\GG\chem\gcms-f.i\F091508.b\F1748.D
Report Date: 24-Sep-2008 15:22

Katahdin Analytical Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcms-f.i
Lab File ID: F1748.D
Lab Smp Id: SB5123-7
Analysis Type: VOA
Quant Type: ISTD
Operator: TTC
Method File: \\Target_server\GG\chem\gcms-f.i\F091508.b\F826a15.m
Misc Info: SW846 8260B

Calibration Date: 15-SEP-2008
Calibration Time: 10:52
Client Smp ID: AWD-GW-MW402-09
Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 4

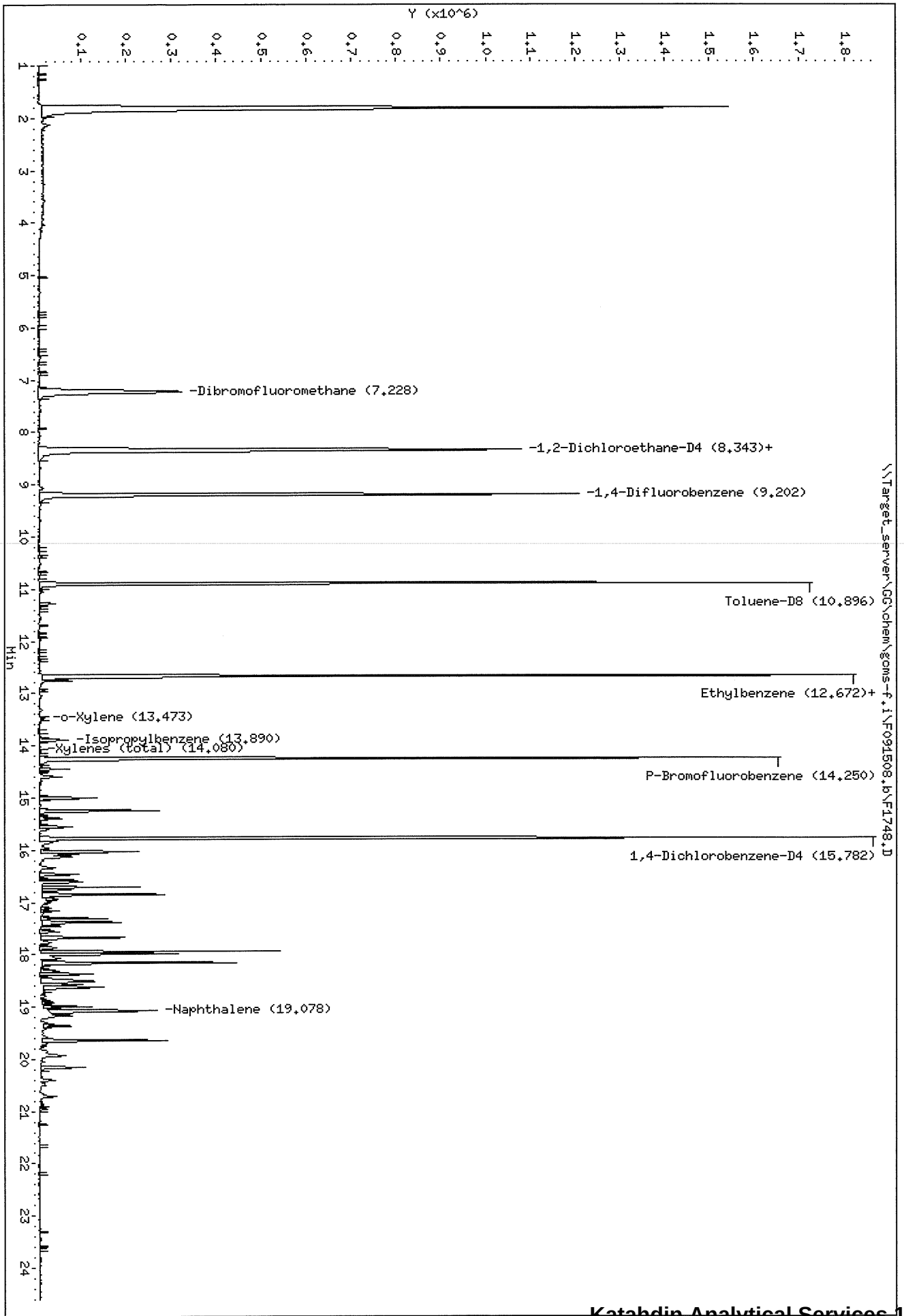
COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	1031231	515616	2062462	840478	-18.50
49 1,4-Difluorobenze	1434445	717223	2868890	1204461	-16.03
66 Chlorobenzene-D5	1217306	608653	2434612	1042070	-14.40
91 1,4-Dichlorobenze	736485	368243	1472970	587495	-20.23

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	8.39	7.89	8.89	8.34	-0.57
49 1,4-Difluorobenze	9.23	8.73	9.73	9.20	-0.27
66 Chlorobenzene-D5	12.70	12.20	13.20	12.67	-0.20
91 1,4-Dichlorobenze	15.80	15.30	16.30	15.78	-0.08

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.

Data File: \\Target_server\GC\chem\gcms-f.i\F091508.b\F1748.D
Date : 15-SEP-2008 18:52
Client ID: AWD-GW-MW402-091008
Sample Info: SB5123-7

Instrument: gcms-f.i



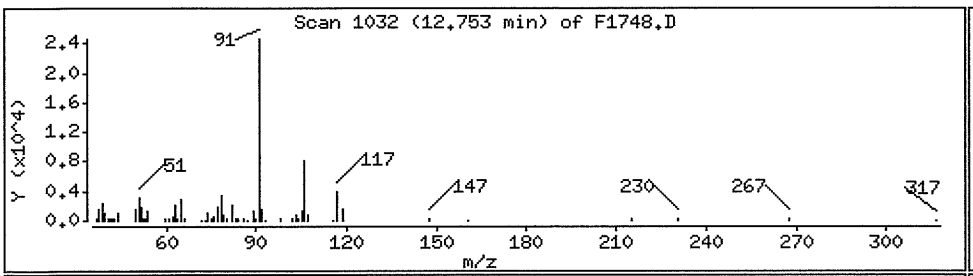
Data File: \\Target_server\GC\chem\gcms-f.i\F091508.b\F1748.D

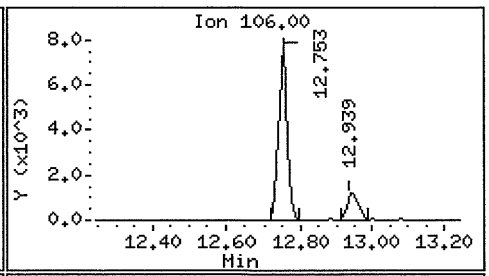
Date : 15-SEP-2008 18:52

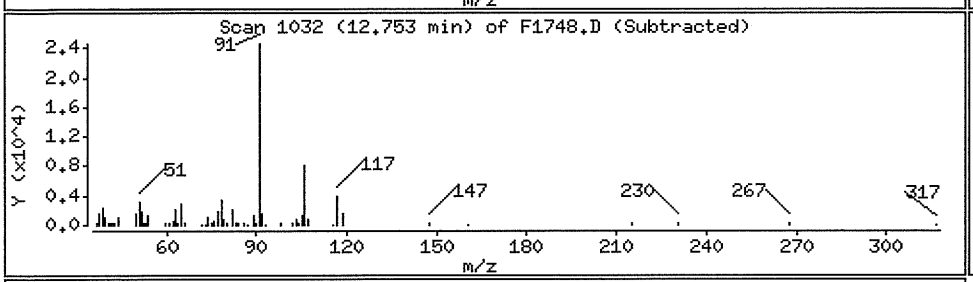
Client ID: AWD-GW-MW402-091008 Instrument: gcms-f.i

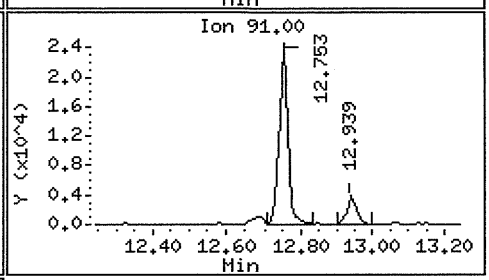
Sample Info: SB5123-7

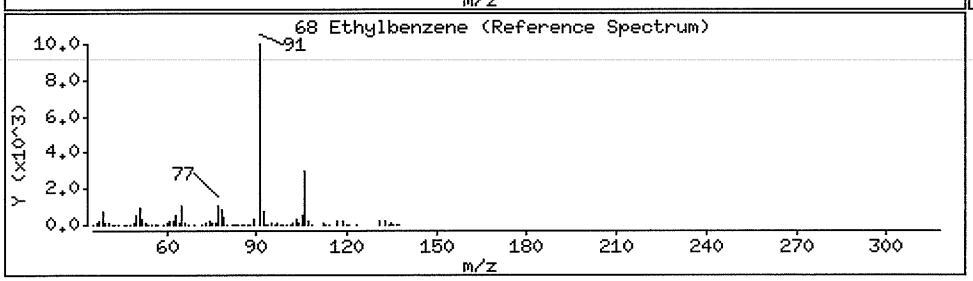
68 Ethylbenzene Concentration: 1.4 ug/l



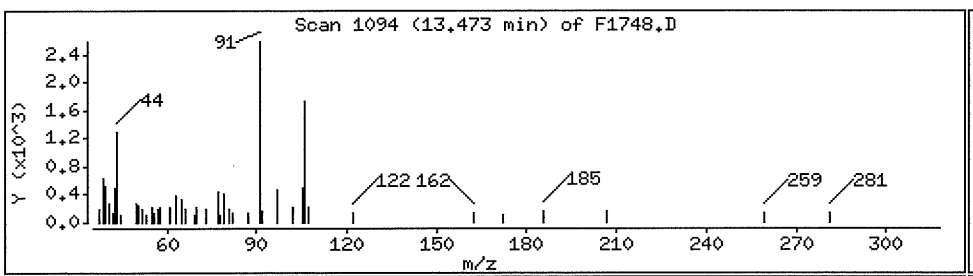


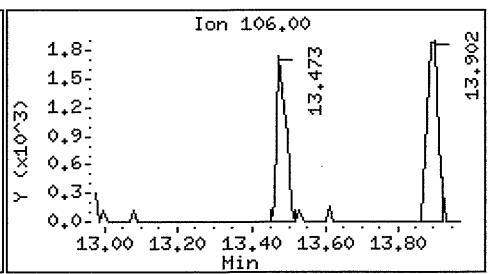


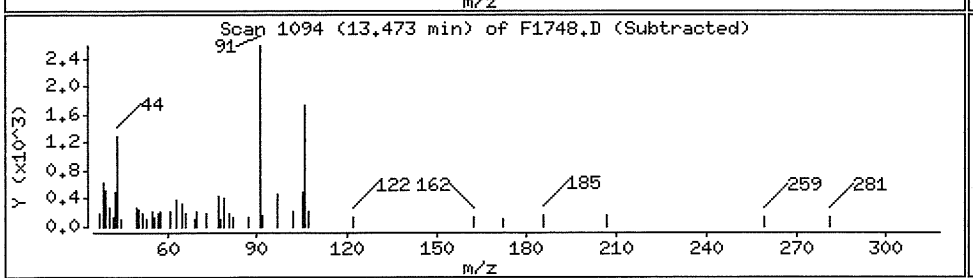


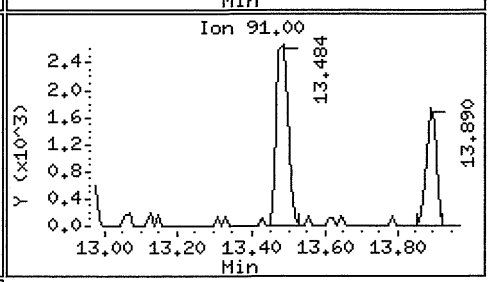


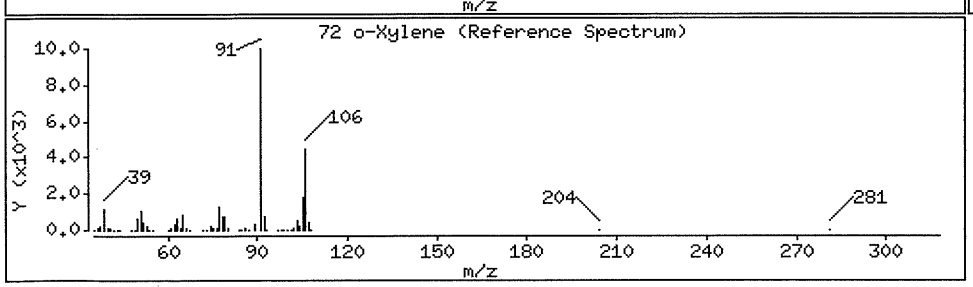
72 o-Xylene Concentration: 0.26 ug/l











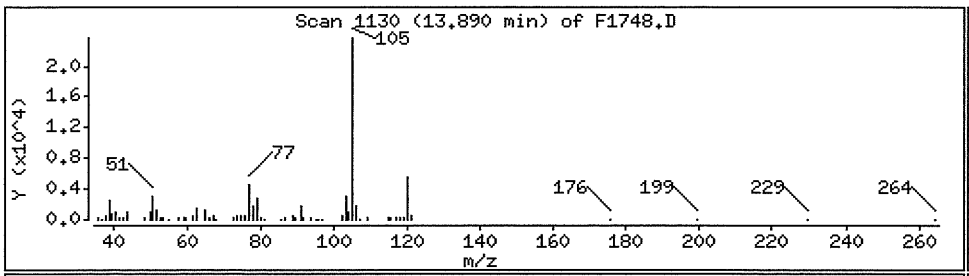
Data File: \\Target_server\GC\chem\gcms-f.i\F091508.b\F1748.D

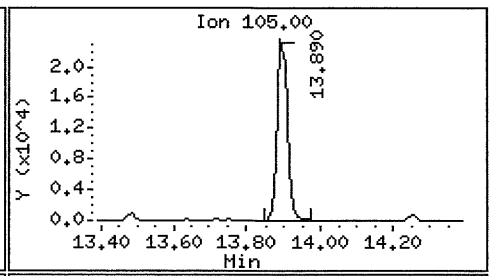
Date : 15-SEP-2008 18:52

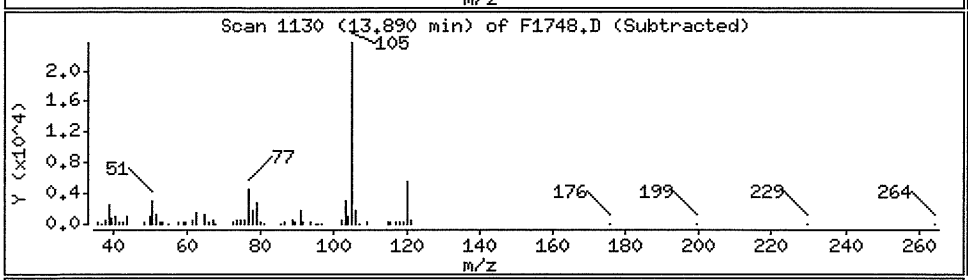
Client ID: AWD-GW-MW402-091008 Instrument: gcms-f.i

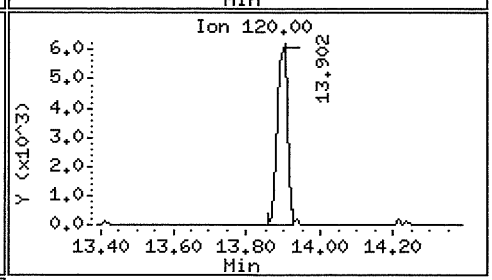
Sample Info: SB5123-7

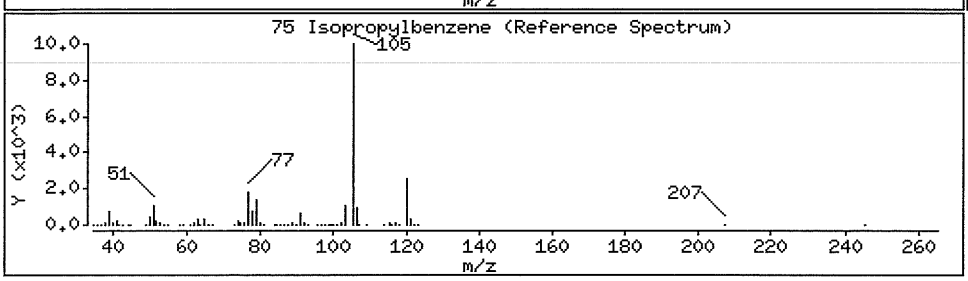
75 Isopropylbenzene Concentration: 1.8 ug/l



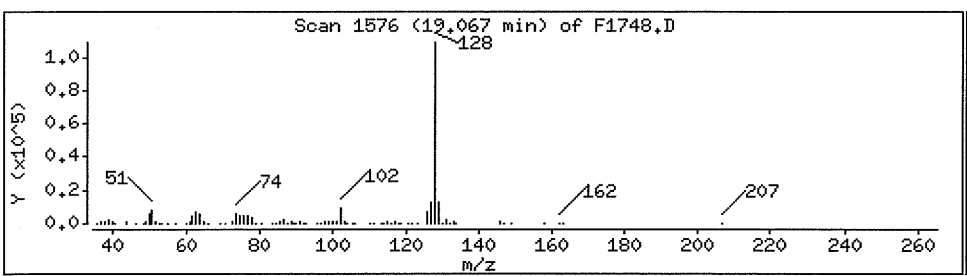


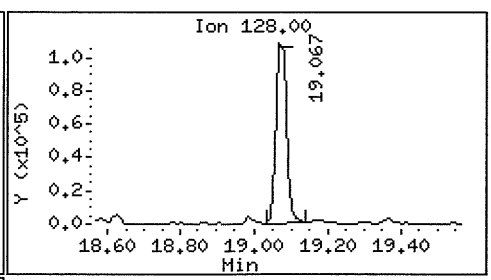


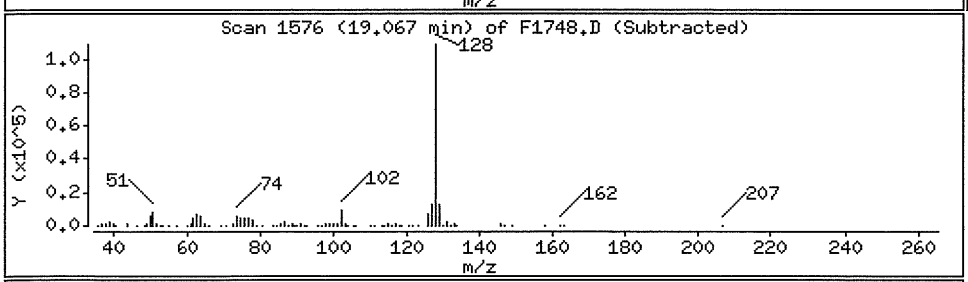


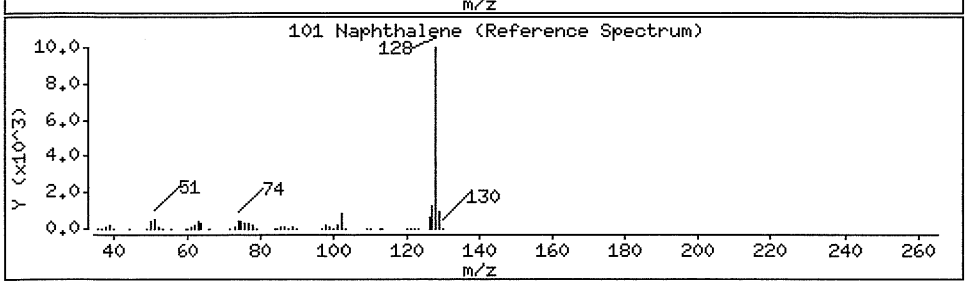


101 Naphthalene Concentration: 14.0 ug/l









KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 09/10/08
Received Date: 09/12/08
Extraction Date:
Analysis Date: 15-SEP-2008 19:24
Report Date: 09/25/2008
Matrix: WATER
% Solids: NA

Lab ID: SB5123-8
Client ID: AWD-GW-MW403-091008
SDG: CTO426-5
Extracted by:
Extraction Method: SW846 5030
Analyst: TTC
Analysis Method: SW846 8260B
Lab Prep Batch: WG55717
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
1634-04-4	Methyl tert-butyl ether	U	1	1.0	1	1	0.5
71-43-2	Benzene	U	1	1.0	1	1	0.3
108-88-3	Toluene		2	1.0	1	1	0.4
100-41-4	Ethylbenzene	U	1	1.0	1	1	0.3
1330-20-7	Xylenes (total)	U	3	1.0	3	3	0.3
	m+p-Xylenes	U	2	1.0	2	2	0.7
95-47-6	o-Xylene	U	1	1.0	1	1	0.3
98-82-8	Isopropylbenzene	U	1	1.0	1	1	0.4
91-20-3	Naphthalene		1	1.0	1	1	0.4
1868-53-7	Dibromofluoromethane		84%				
17060-07-0	1,2-Dichloroethane-D4		86%				
2037-26-5	Toluene-D8		83%				
460-00-4	P-Bromofluorobenzene		107%				

Data File: \\Target_server\GG\chem\gcms-f.i\F091508.b\F1749.D
Report Date: 24-Sep-2008 15:22

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gcms-f.i\F091508.b\F1749.D
Lab Smp Id: SB5123-8 Client Smp ID: AWD-GW-MW403-091008
Inj Date : 15-SEP-2008 19:24 MS Autotune Date: 02-SEP-2008 16:04
Operator : TTC Inst ID: gcms-f.i
Smp Info : SB5123-8
Misc Info : SW846 8260B
Comment :
Method : \\Target_server\GG\chem\gcms-f.i\F091508.b\F826a15.m
Meth Date : 16-Sep-2008 08:55 tcote Quant Type: ISTD
Cal Date : 05-SEP-2008 14:06 Cal File: F1671.D
Als bottle: 15
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TETRAT426001.sub
Target Version: 4.12
Processing Host: MIS_2

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	sample purged
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	CONCENTRATIONS FINAL (ug/l)	REVIEW CODE
57 Toluene	92	10.946	10.944	(1.191)	34753	2.22125	2.2	
101 Naphthalene	128	19.070	19.069	(1.209)	19307	1.26021	1.3	
$ 37 Dibromofluoromethane	113	7.221	7.207	(0.865)	418838	41.8799	41.9	
$ 45 1,2-Dichloroethane-D4	65	8.335	8.321	(0.999)	500036	42.9780	43.0	
$ 55 Toluene-D8	98	10.900	10.886	(1.186)	961414	41.6052	41.6	
$ 76 P-Bromofluorobenzene	95	14.254	14.241	(1.550)	540699	53.6194	53.6	
* 42 Pentafluorobenzene	168	8.346	8.333	(1.000)	909514	50.0000		
* 49 1,4-Difluorobenzene	114	9.194	9.192	(1.000)	1212828	50.0000		
* 66 Chlorobenzene-D5	117	12.676	12.674	(1.000)	1021630	50.0000		
* 91 1,4-Dichlorobenzene-D4	152	15.774	15.773	(1.000)	605973	50.0000		

Data File: \\Target_server\GG\chem\gcms-f.i\F091508.b\F1749.D
Report Date: 24-Sep-2008 15:22

Katahdin Analytical Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcms-f.i
Lab File ID: F1749.D
Lab Smp Id: SB5123-8
Analysis Type: VOA
Quant Type: ISTD
Operator: TTC
Method File: \\Target_server\GG\chem\gcms-f.i\F091508.b\F826a15.m
Misc Info: SW846 8260B

Calibration Date: 15-SEP-2008
Calibration Time: 10:52
Client Smp ID: AWD-GW-MW403-09
Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 4

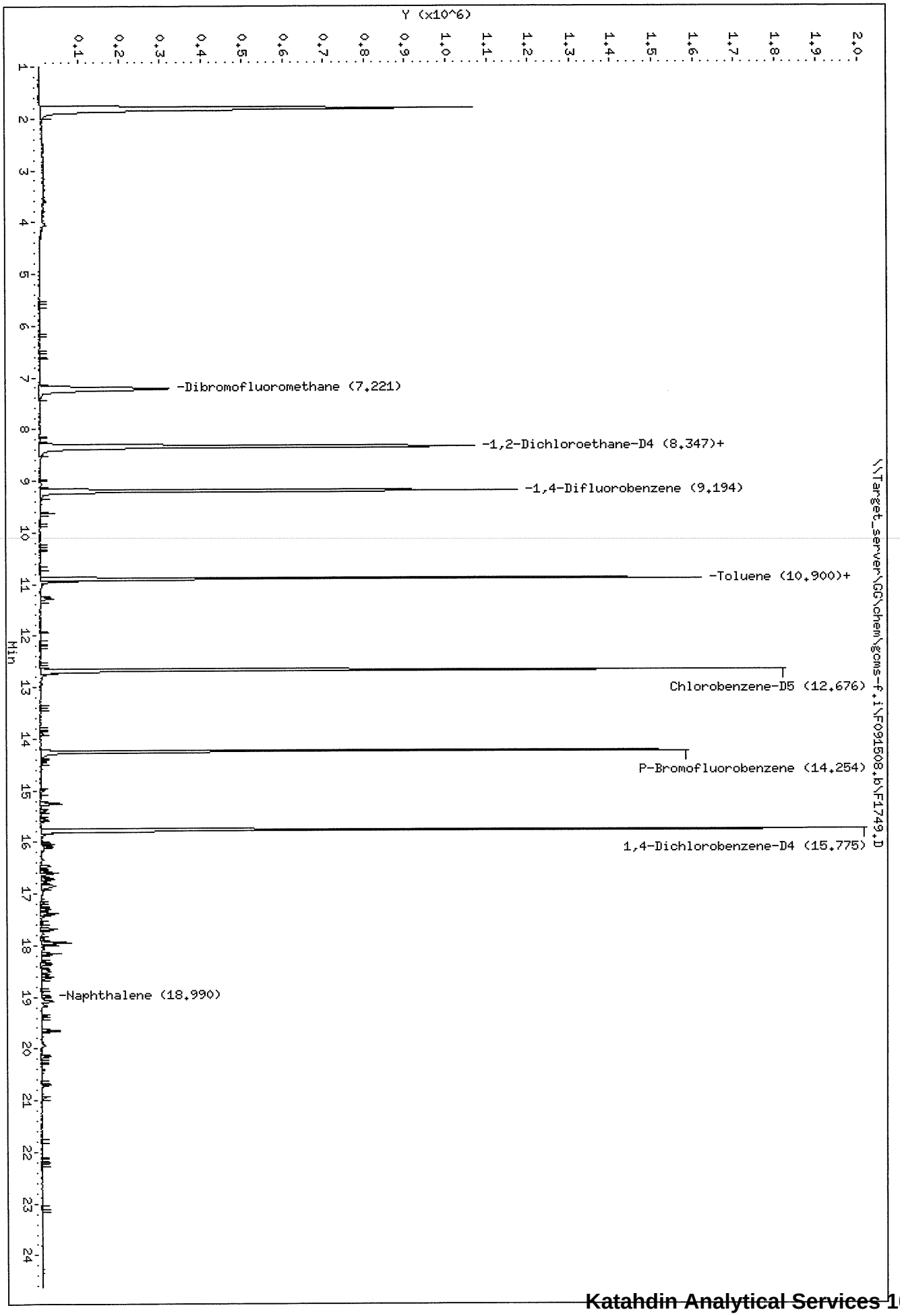
COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	1031231	515616	2062462	909514	-11.80
49 1,4-Difluorobenze	1434445	717223	2868890	1212828	-15.45
66 Chlorobenzene-D5	1217306	608653	2434612	1021630	-16.07
91 1,4-Dichlorobenze	736485	368243	1472970	605973	-17.72

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	8.39	7.89	8.89	8.35	-0.52
49 1,4-Difluorobenze	9.23	8.73	9.73	9.19	-0.35
66 Chlorobenzene-D5	12.70	12.20	13.20	12.68	-0.16
91 1,4-Dichlorobenze	15.80	15.30	16.30	15.77	-0.13

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.

Data File: \\Target_server\GC\chem\gcms-f.i\F091508.b\F1749.D
Date : 15-SEP-2008 19:24
Client ID: AWD-GW-MW403-091008
Sample Info: SB5123-8

Instrument: gcms-f.i



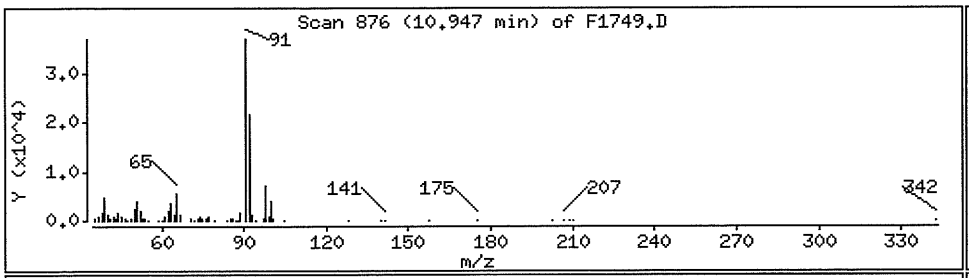
Data File: \\Target_server\GC\chem\gcms-f.i\F091508.b\F1749.D

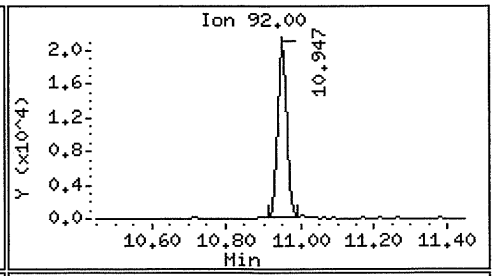
Date : 15-SEP-2008 19:24

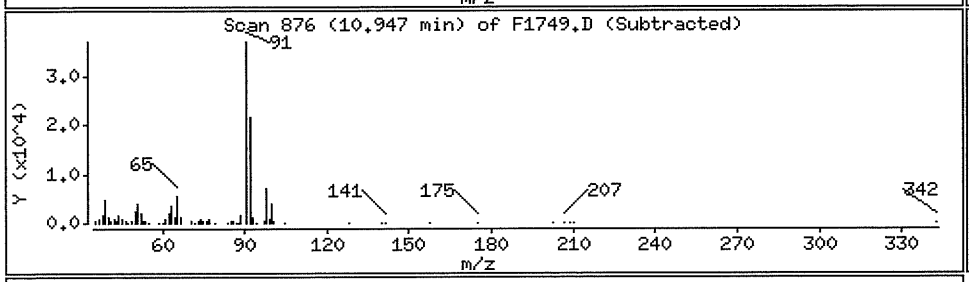
Client ID: AWD-GW-MW403-091008 Instrument: gcms-f.i

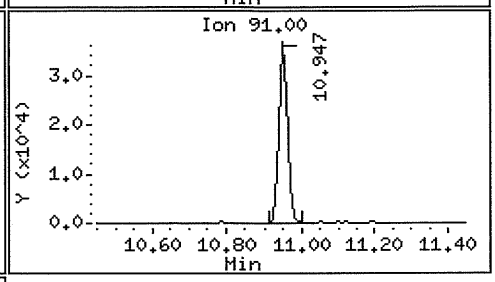
Sample Info: SB5123-8

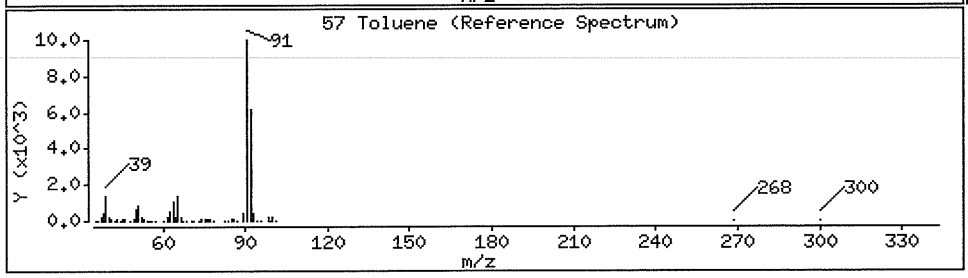
57 Toluene Concentration: 2.2 ug/l



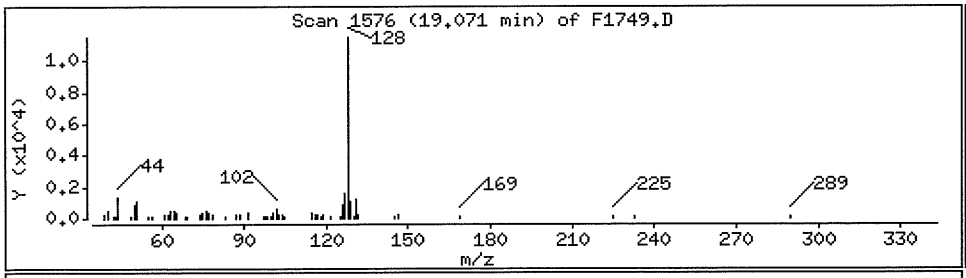


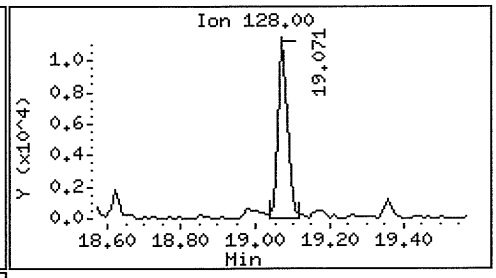


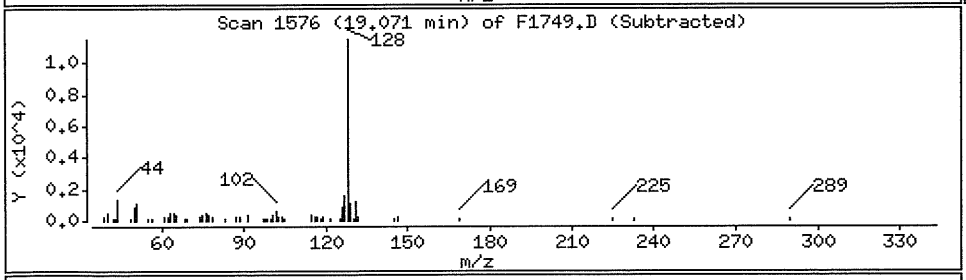


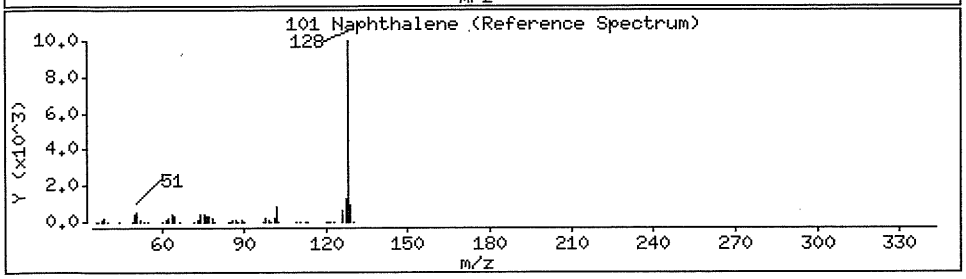


101 Naphthalene Concentration: 1.3 ug/l









KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 09/10/08
Received Date: 09/12/08
Extraction Date:
Analysis Date: 15-SEP-2008 19:56
Report Date: 09/25/2008
Matrix: WATER
% Solids: NA

Lab ID: SB5123-9
Client ID: AWD-GW-MW401-091008
SDG: CTO426-5
Extracted by:
Extraction Method: SW846 5030
Analyst: TTC
Analysis Method: SW846 8260B
Lab Prep Batch: WG55717
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
1634-04-4	Methyl tert-butyl ether	U	1	1.0	1	1	0.5
71-43-2	Benzene	U	1	1.0	1	1	0.3
108-88-3	Toluene	U	1	1.0	1	1	0.4
100-41-4	Ethylbenzene	U	1	1.0	1	1	0.3
1330-20-7	Xylenes (total)	U	3	1.0	3	3	0.3
	m+p-Xylenes	U	2	1.0	2	2	0.7
95-47-6	o-Xylene	U	1	1.0	1	1	0.3
98-82-8	Isopropylbenzene	U	1	1.0	1	1	0.4
91-20-3	Naphthalene	U	1	1.0	1	1	0.4
1868-53-7	Dibromofluoromethane		87%				
17060-07-0	1,2-Dichloroethane-D4		88%				
2037-26-5	Toluene-D8		86%				
460-00-4	P-Bromofluorobenzene		107%				

Data File: \\Target_server\GG\chem\gcms-f.i\F091508.b\F1750.D
Report Date: 24-Sep-2008 15:22

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gcms-f.i\F091508.b\F1750.D
Lab Smp Id: SB5123-9 Client Smp ID: AWD-GW-MW401-091008
Inj Date : 15-SEP-2008 19:56 MS Autotune Date: 02-SEP-2008 16:04
Operator : TTC Inst ID: gcms-f.i
Smp Info : SB5123-9
Misc Info : SW846 8260B
Comment :
Method : \\Target_server\GG\chem\gcms-f.i\F091508.b\F826a15.m
Meth Date : 16-Sep-2008 08:55 tcote Quant Type: ISTD
Cal Date : 05-SEP-2008 14:06 Cal File: F1671.D
Als bottle: 16
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TETRAT426001.sub
Target Version: 4.12
Processing Host: MIS_2

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)	REVIEW CODE
$ 37 Dibromofluoromethane	113	7.228	7.207	(0.866)	418106	43.5322	43.5	
$ 45 1,2-Dichloroethane-D4	65	8.331	8.321	(0.999)	494762	44.2798	44.3	
$ 55 Toluene-D8	98	10.896	10.886	(1.184)	967698	43.1563	43.2	
$ 76 P-Bromofluorobenzene	95	14.250	14.241	(1.549)	522558	53.4033	53.4	
* 42 Pentafluorobenzene	168	8.343	8.333	(1.000)	873464	50.0000		
* 49 1,4-Difluorobenzene	114	9.202	9.192	(1.000)	1176881	50.0000		
* 66 Chlorobenzene-D5	117	12.672	12.674	(1.000)	1013705	50.0000		
* 91 1,4-Dichlorobenzene-D4	152	15.782	15.773	(1.000)	601802	50.0000		

Data File: \\Target_server\GG\chem\gcms-f.i\F091508.b\F1750.D
Report Date: 24-Sep-2008 15:22

Katahdin Analytical Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcms-f.i
Lab File ID: F1750.D
Lab Smp Id: SB5123-9
Analysis Type: VOA
Quant Type: ISTD
Operator: TTC
Method File: \\Target_server\GG\chem\gcms-f.i\F091508.b\F826a15.m
Misc Info: SW846 8260B

Calibration Date: 15-SEP-2008
Calibration Time: 10:52
Client Smp ID: AWD-GW-MW401-09
Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 4

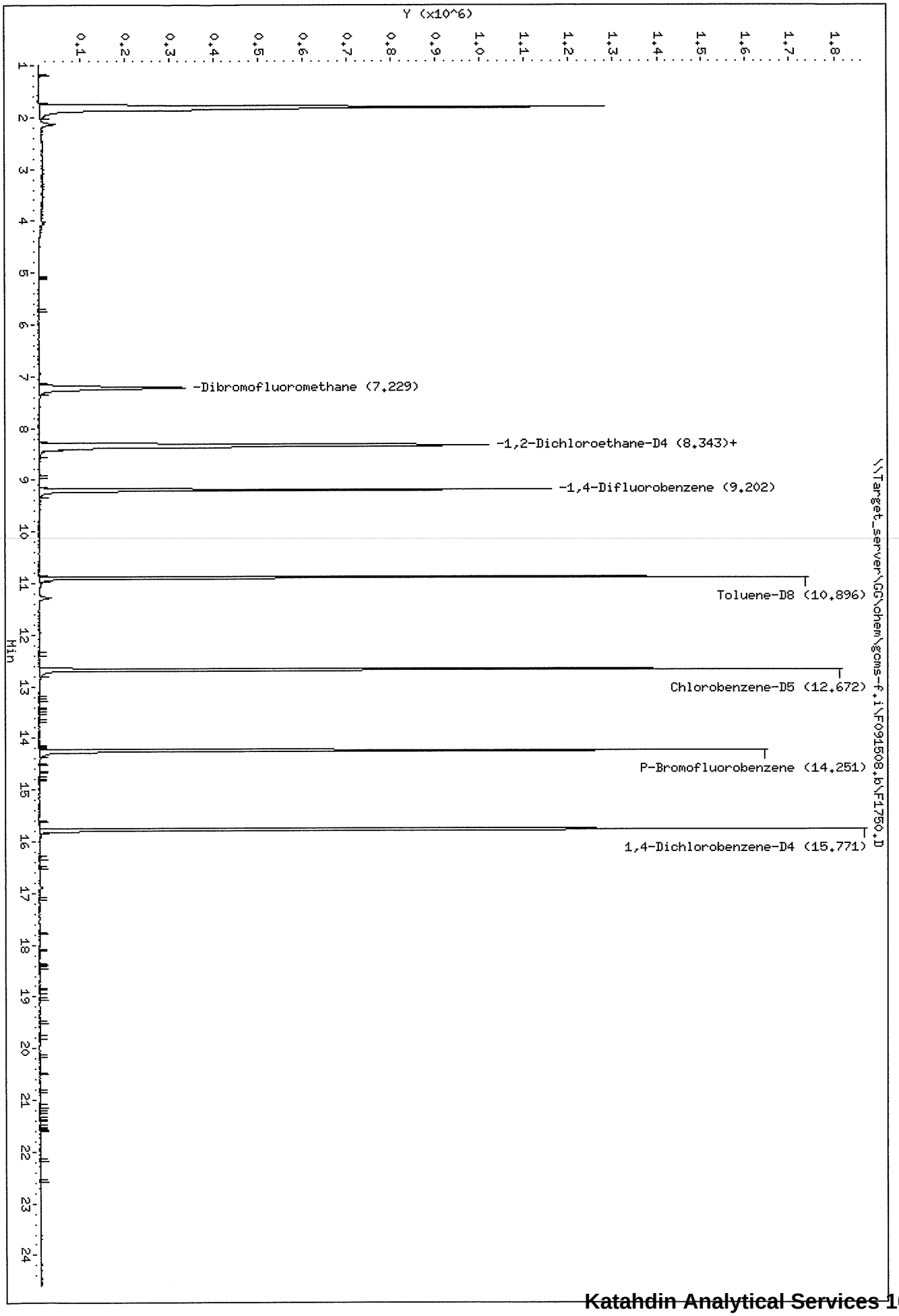
COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	1031231	515616	2062462	873464	-15.30
49 1,4-Difluorobenze	1434445	717223	2868890	1176881	-17.96
66 Chlorobenzene-D5	1217306	608653	2434612	1013705	-16.73
91 1,4-Dichlorobenze	736485	368243	1472970	601802	-18.29

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	8.39	7.89	8.89	8.34	-0.57
49 1,4-Difluorobenze	9.23	8.73	9.73	9.20	-0.26
66 Chlorobenzene-D5	12.70	12.20	13.20	12.67	-0.19
91 1,4-Dichlorobenze	15.80	15.30	16.30	15.78	-0.08

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.

Data File: \\Target_server\GC\chem\gcms-f.i\F091508.b\F1750.D
Date : 15-SEP-2008 19:56
Client ID: AWD-GW-MW401-091008
Sample Info: SB5123-9

Instrument: gcms-f.i



KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 09/10/08
Received Date: 09/12/08
Extraction Date:
Analysis Date: 15-SEP-2008 20:27
Report Date: 09/25/2008
Matrix: WATER
% Solids: NA

Lab ID: SB5123-10
Client ID: AWD-GW-MW104-091008
SDG: CTO426-5
Extracted by:
Extraction Method: SW846 5030
Analyst: TTC
Analysis Method: SW846 8260B
Lab Prep Batch: WG55717
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
1634-04-4	Methyl tert-butyl ether	U	1	1.0	1	1	0.5
71-43-2	Benzene	U	1	1.0	1	1	0.3
108-88-3	Toluene	U	1	1.0	1	1	0.4
100-41-4	Ethylbenzene	U	1	1.0	1	1	0.3
1330-20-7	Xylenes (total)	U	3	1.0	3	3	0.3
	m+p-Xylenes	U	2	1.0	2	2	0.7
95-47-6	o-Xylene	U	1	1.0	1	1	0.3
98-82-8	Isopropylbenzene	U	1	1.0	1	1	0.4
91-20-3	Naphthalene	U	1	1.0	1	1	0.4
1868-53-7	Dibromofluoromethane		86%				
17060-07-0	1,2-Dichloroethane-D4		88%				
2037-26-5	Toluene-D8		83%				
460-00-4	P-Bromofluorobenzene		105%				

Data File: \\Target_server\GG\chem\gcms-f.i\F091508.b\F1751.D
Report Date: 24-Sep-2008 15:22

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gcms-f.i\F091508.b\F1751.D
Lab Smp Id: SB5123-10 Client Smp ID: AWD-GW-MW104-091008
Inj Date : 15-SEP-2008 20:27 MS Autotune Date: 02-SEP-2008 16:04
Operator : TTC Inst ID: gcms-f.i
Smp Info : SB5123-10
Misc Info : SW846 8260B
Comment :
Method : \\Target_server\GG\chem\gcms-f.i\F091508.b\F826a15.m
Meth Date : 16-Sep-2008 08:55 tcote Quant Type: ISTD
Cal Date : 05-SEP-2008 14:06 Cal File: F1671.D
Als bottle: 17
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TETRAT426001.sub
Target Version: 4.12
Processing Host: MIS_2

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)	REVIEW CODE
$ 37 Dibromofluoromethane	113	7.217	7.207	(0.865)	413249	42.9372	42.9	
$ 45 1,2-Dichloroethane-D4	65	8.331	8.321	(0.999)	495065	44.2150	44.2	
$ 55 Toluene-D8	98	10.896	10.886	(1.186)	948190	41.5710	41.6	
$ 76 P-Bromofluorobenzene	95	14.250	14.241	(1.551)	520641	52.3074	52.3	
* 42 Pentafluorobenzene	168	8.343	8.333	(1.000)	875280	50.0000		
* 49 1,4-Difluorobenzene	114	9.190	9.192	(1.000)	1197130	50.0000		
* 66 Chlorobenzene-D5	117	12.672	12.674	(1.000)	1042363	50.0000		
* 91 1,4-Dichlorobenzene-D4	152	15.771	15.773	(1.000)	575130	50.0000		

Data File: \\Target_server\GG\chem\gcms-f.i\F091508.b\F1751.D
Report Date: 24-Sep-2008 15:22

Katahdin Analytical Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcms-f.i
Lab File ID: F1751.D
Lab Smp Id: SB5123-10
Analysis Type: VOA
Quant Type: ISTD
Operator: TTC
Method File: \\Target_server\GG\chem\gcms-f.i\F091508.b\F826a15.m
Misc Info: SW846 8260B

Calibration Date: 15-SEP-2008
Calibration Time: 10:52
Client Smp ID: AWD-GW-MW104-09
Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 4

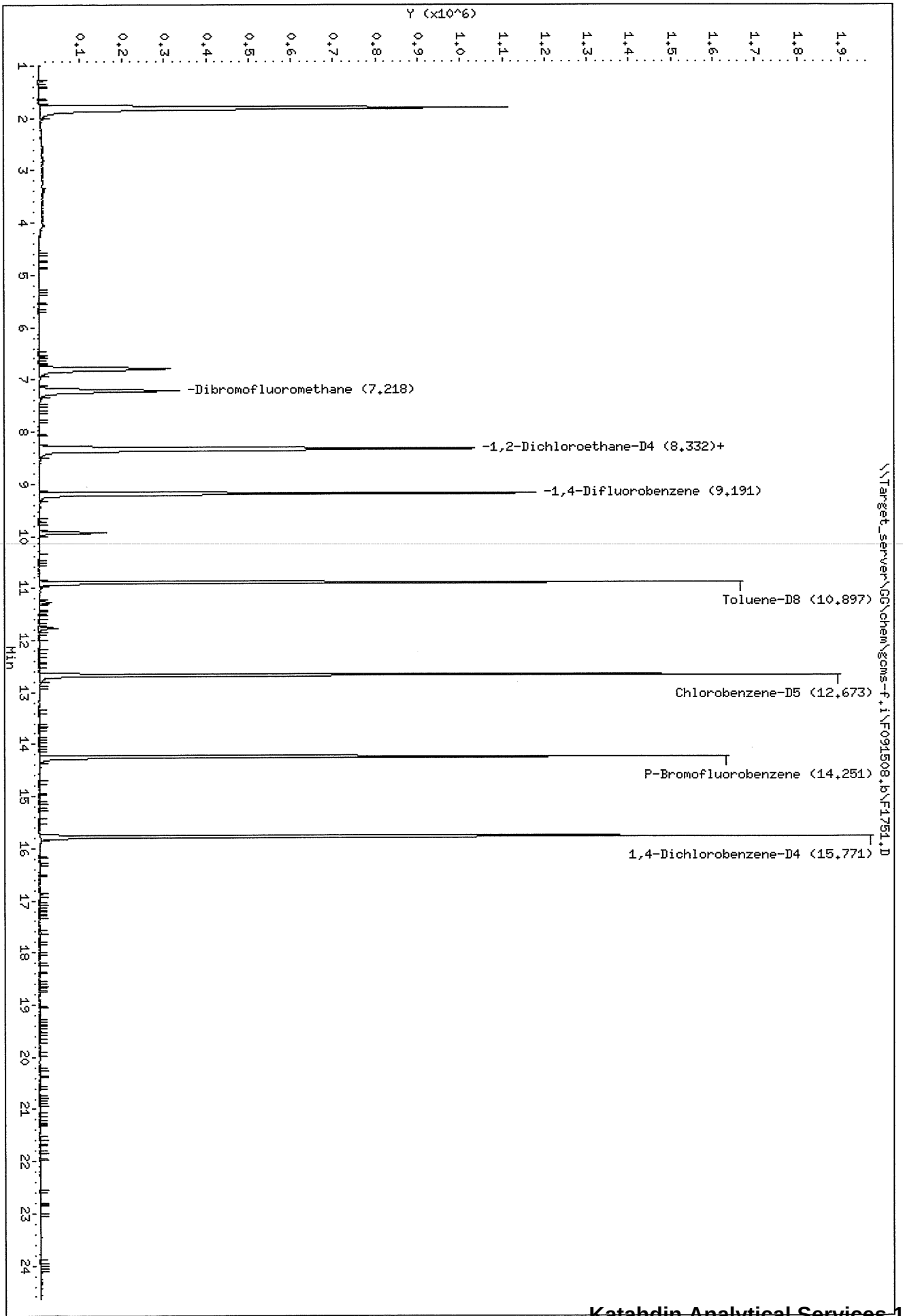
COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	1031231	515616	2062462	875280	-15.12
49 1,4-Difluorobenze	1434445	717223	2868890	1197130	-16.54
66 Chlorobenzene-D5	1217306	608653	2434612	1042363	-14.37
91 1,4-Dichlorobenze	736485	368243	1472970	575130	-21.91

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	8.39	7.89	8.89	8.34	-0.56
49 1,4-Difluorobenze	9.23	8.73	9.73	9.19	-0.39
66 Chlorobenzene-D5	12.70	12.20	13.20	12.67	-0.19
91 1,4-Dichlorobenze	15.80	15.30	16.30	15.77	-0.15

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.

Data File: \\Target_server\GC\chem\gcms-f.i\F091508.b\F1751.D
Date : 15-SEP-2008 20:27
Client ID: AWD-GW-MW104-091008
Sample Info: SB5123-10

Instrument: gcms-f.i



KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 09/10/08
Received Date: 09/12/08
Extraction Date:
Analysis Date: 16-SEP-2008 13:16
Report Date: 09/25/2008
Matrix: WATER
% Solids: NA

Lab ID: SB5123-11RA
Client ID: AWD-GW-MW103-091008
SDG: CTO426-5
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG55748
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
1634-04-4	Methyl tert-butyl ether	U	1	1.0	1	1	0.5
71-43-2	Benzene	U	1	1.0	1	1	0.3
108-88-3	Toluene	U	1	1.0	1	1	0.4
100-41-4	Ethylbenzene	U	1	1.0	1	1	0.3
1330-20-7	Xylenes (total)	U	3	1.0	3	3	0.3
	m+p-Xylenes	U	2	1.0	2	2	0.7
95-47-6	o-Xylene	U	1	1.0	1	1	0.3
98-82-8	Isopropylbenzene	U	1	1.0	1	1	0.4
91-20-3	Naphthalene	U	1	1.0	1	1	0.4
1868-53-7	Dibromofluoromethane		86%				
17060-07-0	1,2-Dichloroethane-D4		83%				
2037-26-5	Toluene-D8		90%				
460-00-4	P-Bromofluorobenzene		85%				

Data File: \\Target_server\GG\chem\gcms-s.i\S091608.b\S2931.D
Report Date: 25-Sep-2008 08:05

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gcms-s.i\S091608.b\S2931.D
Lab Smp Id: SB5123-11RA Client Smp ID: AWD-GW-MW103-091008
Inj Date : 16-SEP-2008 13:16 MS Autotune Date: 21-NOV-2007 15:16
Operator : SKT Inst ID: gcms-s.i
Smp Info : SB5123-11RA
Misc Info : SW846 8260B
Comment :
Method : \\Target_server\GG\chem\gcms-s.i\S091608.b\s826a63.m
Meth Date : 17-Sep-2008 13:28 sthompson Quant Type: ISTD
Cal Date : 10-SEP-2008 16:57 Cal File: S2831.D
Als bottle: 7
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TETRAT426001.sub
Target Version: 4.12
Processing Host: MIS_2

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	sample purged
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	CONCENTRATIONS FINAL (ug/l)	REVIEW CODE
$ 37 Dibromofluoromethane	113	8.123	8.124	(0.901)	230504	42.8484	42.8	
$ 45 1,2-Dichloroethane-D4	65	9.019	9.019	(1.000)	241836	41.4011	41.4	
$ 55 Toluene-D8	98	11.298	11.299	(1.160)	702575	44.9056	44.9	
$ 76 P-Bromofluorobenzene	95	14.752	14.753	(1.515)	270834	42.5445	42.5	
* 42 Pentafluorobenzene	168	9.019	9.019	(1.000)	481740	50.0000		
* 49 1,4-Difluorobenzene	114	9.740	9.740	(1.000)	754754	50.0000		
* 66 Chlorobenzene-D5	117	13.171	13.160	(1.000)	655785	50.0000		
* 91 1,4-Dichlorobenzene-D4	152	16.299	16.300	(1.000)	327013	50.0000		

Data File: \\Target_server\GG\chem\gcms-s.i\S091608.b\S2931.D
Report Date: 25-Sep-2008 08:05

Katahdin Analytical Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcms-s.i
Lab File ID: S2931.D
Lab Smp Id: SB5123-11RA
Analysis Type: VOA
Quant Type: ISTD
Operator: SKT
Method File: \\Target_server\GG\chem\gcms-s.i\S091608.b\s826a63.m
Misc Info: SW846 8260B

Calibration Date: 16-SEP-2008
Calibration Time: 09:48
Client Smp ID: AWD-GW-MW103-09
Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 4

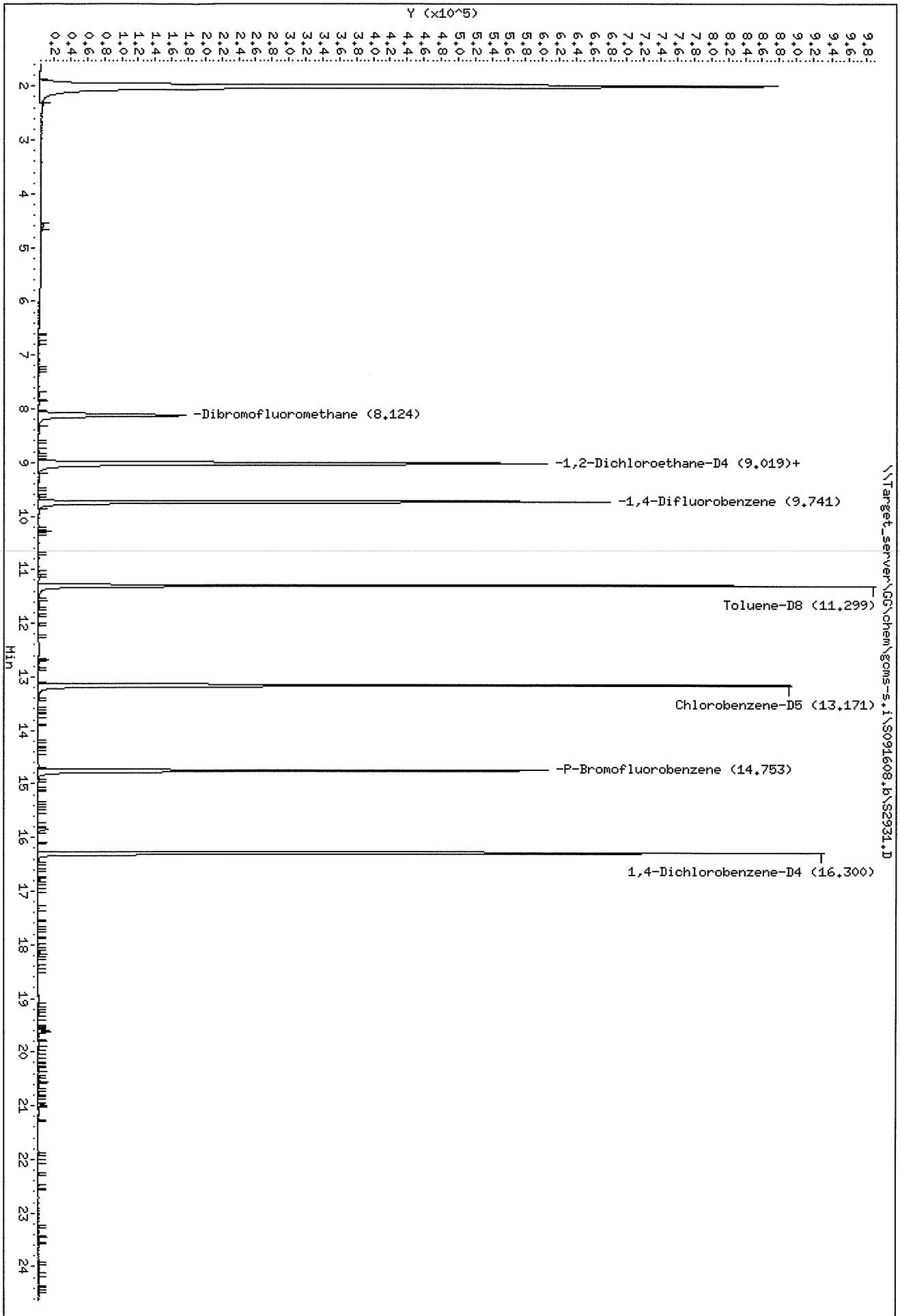
COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	467124	233562	934248	481740	3.13
49 1,4-Difluorobenze	723542	361771	1447084	754754	4.31
66 Chlorobenzene-D5	631581	315791	1263162	655785	3.83
91 1,4-Dichlorobenze	312865	156433	625730	327013	4.52

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	9.01	8.51	9.51	9.02	0.09
49 1,4-Difluorobenze	9.74	9.24	10.24	9.74	-0.03
66 Chlorobenzene-D5	13.16	12.66	13.66	13.17	0.06
91 1,4-Dichlorobenze	16.29	15.79	16.79	16.30	0.05

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.

Data File: \\Target_server\GC\chem\gcms-s.i\S091608.b\S2931.D
Date : 16-SEP-2008 13:16
Client ID: AWD-GW-MW103-091008
Sample Info: SB5123-11RA

Instrument: gcms-s.i



KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 09/11/08
Received Date: 09/12/08
Extraction Date:
Analysis Date: 15-SEP-2008 15:15
Report Date: 09/25/2008
Matrix: WATER
% Solids: NA

Lab ID: SB5123-12
Client ID: AWD-TB-091108
SDG: CTO426-5
Extracted by:
Extraction Method: SW846 5030
Analyst: TTC
Analysis Method: SW846 8260B
Lab Prep Batch: WG55717
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
1634-04-4	Methyl tert-butyl ether	U	1	1.0	1	1	0.5
71-43-2	Benzene	U	1	1.0	1	1	0.3
108-88-3	Toluene	U	1	1.0	1	1	0.4
100-41-4	Ethylbenzene	U	1	1.0	1	1	0.3
1330-20-7	Xylenes (total)	U	3	1.0	3	3	0.3
	m+p-Xylenes	U	2	1.0	2	2	0.7
95-47-6	o-Xylene	U	1	1.0	1	1	0.3
98-82-8	Isopropylbenzene	U	1	1.0	1	1	0.4
91-20-3	Naphthalene	U	1	1.0	1	1	0.4
1868-53-7	Dibromofluoromethane		83%				
17060-07-0	1,2-Dichloroethane-D4		85%				
2037-26-5	Toluene-D8		81%				
460-00-4	P-Bromofluorobenzene		102%				

Data File: \\Target_server\GG\chem\gcms-f.i\F091508.b\F1741.D
Report Date: 24-Sep-2008 15:21

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gcms-f.i\F091508.b\F1741.D
Lab Smp Id: SB5123-12 Client Smp ID: AWD-TB-091108
Inj Date : 15-SEP-2008 15:15 MS Autotune Date: 02-SEP-2008 16:04
Operator : TTC Inst ID: gcms-f.i
Smp Info : SB5123-12
Misc Info : SW846 8260B
Comment :
Method : \\Target_server\GG\chem\gcms-f.i\F091508.b\F826a15.m
Meth Date : 16-Sep-2008 08:55 tcote Quant Type: ISTD
Cal Date : 05-SEP-2008 14:06 Cal File: F1671.D
Als bottle: 7
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TETRAT426001.sub
Target Version: 4.12
Processing Host: MIS_2

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	sample purged
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	CONCENTRATIONS FINAL (ug/l)	REVIEW CODE
$ 37 Dibromofluoromethane	113	7.266	7.207	(0.868)	447554	41.3263	41.3	
$ 45 1,2-Dichloroethane-D4	65	8.357	8.321	(0.999)	533215	42.3223	42.3	
$ 55 Toluene-D8	98	10.911	10.886	(1.184)	1032738	40.6464	40.6	
$ 76 P-Bromofluorobenzene	95	14.265	14.241	(1.548)	565600	51.0118	51.0	
* 42 Pentafluorobenzene	168	8.369	8.333	(1.000)	984889	50.0000		
* 49 1,4-Difluorobenzene	114	9.216	9.192	(1.000)	1333535	50.0000		
* 66 Chlorobenzene-D5	117	12.686	12.674	(1.000)	1177109	50.0000		
* 91 1,4-Dichlorobenzene-D4	152	15.797	15.773	(1.000)	654185	50.0000		

Data File: \\Target_server\GG\chem\gcms-f.i\F091508.b\F1741.D
Report Date: 24-Sep-2008 15:21

Katahdin Analytical Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcms-f.i
Lab File ID: F1741.D
Lab Smp Id: SB5123-12
Analysis Type: VOA
Quant Type: ISTD
Operator: TTC
Method File: \\Target_server\GG\chem\gcms-f.i\F091508.b\F826a15.m
Misc Info: SW846 8260B

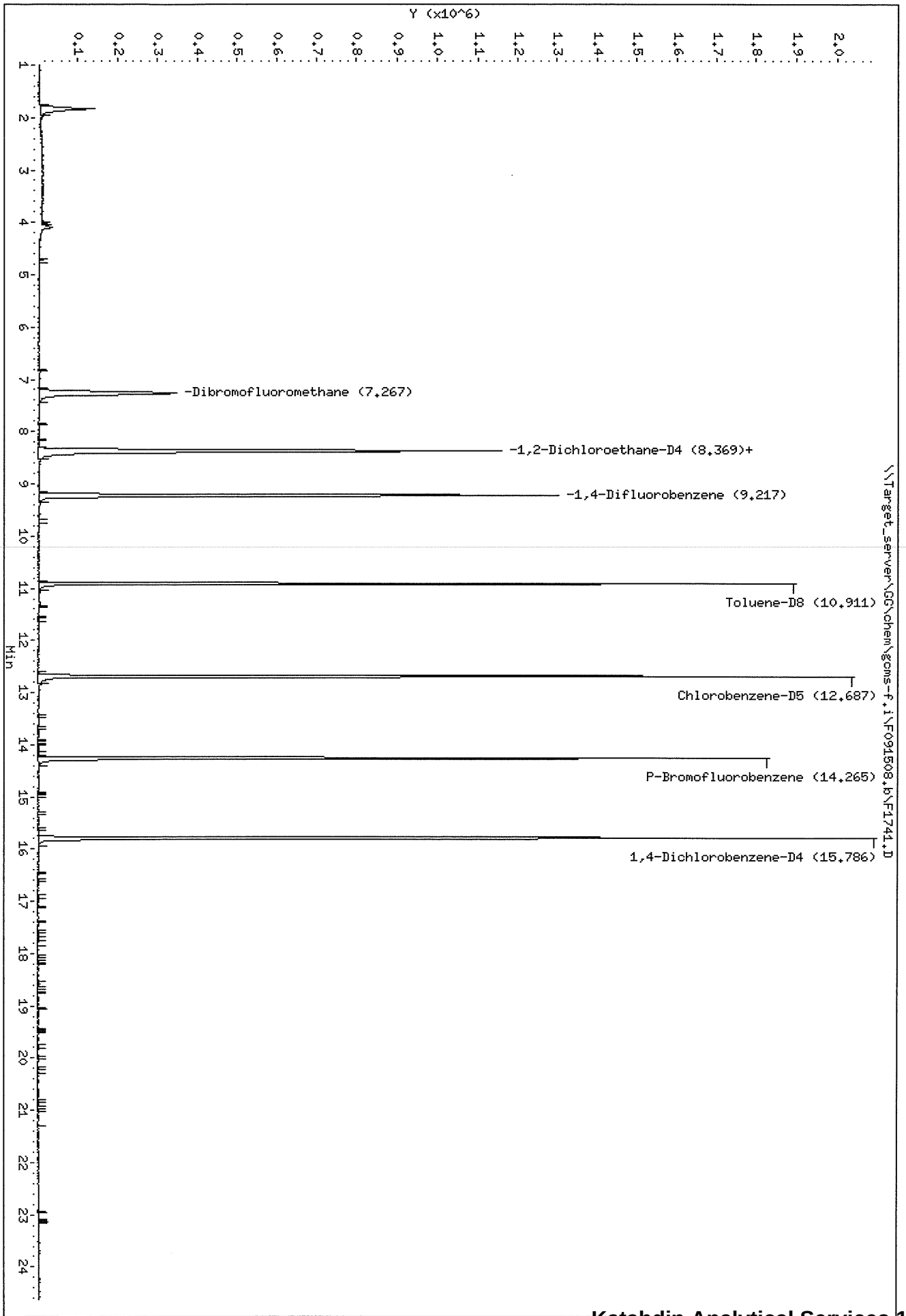
Calibration Date: 15-SEP-2008
Calibration Time: 10:52
Client Smp ID: AWD-TB-091108
Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 4

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	1031231	515616	2062462	984889	-4.49
49 1,4-Difluorobenze	1434445	717223	2868890	1333535	-7.03
66 Chlorobenzene-D5	1217306	608653	2434612	1177109	-3.30
91 1,4-Dichlorobenze	736485	368243	1472970	654185	-11.17

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	8.39	7.89	8.89	8.37	-0.26
49 1,4-Difluorobenze	9.23	8.73	9.73	9.22	-0.11
66 Chlorobenzene-D5	12.70	12.20	13.20	12.69	-0.08
91 1,4-Dichlorobenze	15.80	15.30	16.30	15.80	0.01

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.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Date : 15-SEP-2008 15:15
Client ID: AWD-TB-091108
Sample Info: SB5123-12
Instrument: gcms-f.i
\\Target_server\GC\chem\gcms-f.i\F091508.b\F1741.D
Y (x10^6)
Min
-Dibromofluoromethane (7.267)
-1,2-Dichloroethane-D4 (8.369)+
-1,4-Difluorobenzene (9.217)
Toluene-D8 (10.911)
Chlorobenzene-D5 (12.687)
P-Bromofluorobenzene (14.265)
1,4-Dichlorobenzene-D4 (15.786)

Standards Data Section

FORM 6
VOLATILE INITIAL CALIBRATION DATA

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project CTO 426 NLON SDG No.: CTO426-5

Instrument ID: GCMS-F Calibration Date(s): 09/05/08 09/05/08

Column: RTX-VMS ID: 0.18 (mm) Calibration Time(s): 1133 1406

LAB FILE ID: RF1: F1671 RF5: F1670 RF20: F1669
RF50: F1668 RF100: F1667 RF200: F1666

COMPOUND	RF1	RF5	RF20	RF50	RF100	RF200	CURVE	COEFF. A1	%RSD OR R^2	MAX %RSD OR R^2
Methyl tert-butyl ether	1.099	1.324	1.314	1.335	1.363	1.336	AVRG	1.29518624	7.515	15.000
Benzene	1.108	0.933	1.174	1.250	1.202	1.176	AVRG	1.14062733	9.776	15.000
Toluene	0.628	0.546	0.681	0.672	0.706	0.636	AVRG	0.64500925	8.746	15.000
Ethylbenzene	0.443	0.342	0.460	0.458	0.458	0.445	AVRG	0.43424134	10.503	15.000
Xylenes (total)							AVRG			0.000
m+p-Xylenes	0.535	0.446	0.575	0.571	0.547	0.507	AVRG	0.53024756	9.122	15.000
o-Xylene	0.514	0.407	0.565	0.577	0.555	0.552	AVRG	0.52834016	11.934	15.000
Isopropylbenzene	1.986	1.629	2.158	2.251	2.181	2.021	AVRG	2.03771204	10.981	15.000
Naphthalene	1.532	1.057	1.227	1.306	1.341	1.122	AVRG	1.26411836	13.433	15.000
Dibromofluoromethane	0.412	0.491	0.580	0.596	0.606	0.614	AVRG	0.54979542	14.693	15.000
1,2-Dichloroethane-D4	0.553	0.572	0.661	0.657	0.682	0.712	AVRG	0.63961079	9.868	15.000
Toluene-D8	0.820	0.905	1.029	1.060	0.982	0.919	AVRG	0.95264988	9.291	15.000
P-Bromofluorobenzene	0.369	0.390	0.429	0.442	0.430	0.433	AVRG	0.41572318	6.980	15.000

Average %RSD test result.

Calculate Average %RSD: 12.18855476
Maximum Average %RSD: 15.00000000

Note: Passes Average %RSD Test.

FORM VI VOA

Data File: \\Target_server\GG\chem\gcms-f.i\F090508.b\F1666.D
Report Date: 24-Sep-2008 15:12

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gcms-f.i\F090508.b\F1666.D
Lab Smp Id: VSTD200F05A
Inj Date : 05-SEP-2008 11:33 MS Autotune Date: 02-SEP-2008 16:04
Operator : TTC Inst ID: gcms-f.i
Smp Info : VSTD200F05A
Misc Info : SW846 8260B
Comment :
Method : \\Target_server\GG\chem\gcms-f.i\F090508.b\F826a15.m
Meth Date : 10-Sep-2008 09:03 gcms-f.i Quant Type: ISTD
Cal Date : 05-SEP-2008 11:33 Cal File: F1666.D
Als bottle: 1 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.12

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	sample purged
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)	REVIEW COD
1 Dichlorodifluoromethane	85	1.947	1.938	(0.233)	2896554	200.000	220(A)	
2 Chloromethane	50	2.133	2.134	(0.256)	3165779	200.000	212(A)	
3 Vinyl chloride	62	2.214	2.205	(0.265)	2935591	200.000	217(A)	
4 Bromomethane	94	2.528	2.530	(0.303)	2080778	200.000	200(A)	
5 Chloroethane	64	2.655	2.658	(0.318)	1462209	200.000	213(A)	
6 Trichlorofluoromethane	101	2.806	2.797	(0.336)	4384521	200.000	243(A)	
7 Diethyl Ether	59	3.131	3.134	(0.375)	1838052	200.000	214(A)	
8 Tertiary-butyl alcohol	59	4.640	4.642	(0.556)	599095	1000.00	983(M)	M6
9 1,1-Dichloroethene	96	3.352	3.342	(0.402)	1927439	200.000	210(A)	SKT 092408
10 Carbon Disulfide	76	3.375	3.366	(0.405)	6551940	200.000	213(A)	
11 Freon-113	151	3.398	3.389	(0.407)	2099287	200.000	202(A)	
12 Iodomethane	142	3.502	3.505	(0.420)	5301227	200.000	228(A)	
13 Acrolein	56	3.758	3.749	(0.450)	1853878	1000.00	1100(A)	
14 Methylene Chloride	84	4.048	4.050	(0.485)	2514505	200.000	201(A)	
15 Acetone	43	4.141	4.155	(0.496)	3506627	1000.00	1330(A)	
16 Isobutyl Alcohol	43	8.714	8.704	(1.045)	826873	4000.00	3900	
17 trans-1,2-Dichloroethene	96	4.268	4.259	(0.512)	2640218	200.000	216(A)	
18 Allyl Chloride	41	3.920	3.911	(0.470)	3698695	200.000	220(A)	
19 Methyl tert-butyl ether	73	4.443	4.445	(0.533)	15061563	400.000	413(A)	
20 Acetonitrile	39	4.791	4.782	(0.574)	467958	2000.00	2040(A)	
21 Di-isopropyl ether	45	5.046	5.049	(0.605)	9353871	200.000	201(A)	
22 Chloroprene	53	5.162	5.153	(0.619)	4599678	200.000	202(A)	
23 Propionitrile	54	8.191	8.159	(0.982)	2407582	2000.00	1970	
24 Methacrylonitrile	41	8.215	8.182	(0.985)	14591689	2000.00	1920	

Data File: \\Target_server\GG\chem\gcms-f.i\F090508.b\F1666.D
Report Date: 24-Sep-2008 15:12

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)	REVIEW CODE
	25 1,1-Dichloroethane	63	5.197	5.188	(0.623)	5029179	200.000	219(A)	
	26 Acrylonitrile	52	5.313	5.304	(0.637)	4014254	1000.00	1120(A)	
	27 Ethyl tertiary-butyl ether	59	5.696	5.687	(0.683)	9316490	200.000	209(A)	
	28 Vinyl Acetate	43	5.696	5.687	(0.620)	5964452	200.000	208(A)	
	29 cis-1,2-Dichloroethene	96	6.183	6.174	(0.741)	2909173	200.000	224(A)	
M	30 1,2-Dichloroethylene (total)	96				5549391	200.000	(a)	
	31 Methyl Methacrylate	41	10.199	10.202	(1.110)	2302985	200.000	199	
	32 2,2-Dichloropropane	77	6.404	6.383	(0.768)	4612022	200.000	235(A)	
	33 Bromochloromethane	128	6.601	6.592	(0.791)	1700755	200.000	217(A)	
	34 Chloroform	83	6.799	6.789	(0.815)	5239934	200.000	206(A)	
	35 Carbon Tetrachloride	117	7.042	7.033	(0.766)	4312182	200.000	234(A)	
	36 Tetrahydrofuran	42	7.147	7.138	(0.857)	2852712	1000.00	984	
$	37 Dibromofluoromethane	113	7.216	7.207	(0.865)	3460454	200.000	223(A)	
	38 1,1,1-Trichloroethane	97	7.216	7.196	(0.865)	4554203	200.000	236(A)	
	39 1,1-Dichloropropene	75	7.507	7.497	(0.817)	3937951	200.000	214(A)	
	40 2-Butanone	43	7.553	7.544	(0.905)	5618553	1000.00	1000(A)	
	41 Benzene	78	8.052	8.042	(0.876)	9519777	200.000	206(A)	
*	42 Pentafluorobenzene	168	8.342	8.333	(1.000)	1409129	50.0000		
	43 Cyclohexane	56	6.566	6.546	(0.787)	3283279	200.000	218(A)	
	44 Ethyl Methacrylate	69	11.627	11.629	(1.265)	3230419	200.000	212(A)	
$	45 1,2-Dichloroethane-D4	65	8.331	8.321	(0.999)	4016450	200.000	223(A)	
	46 Tertiary-amyl methyl ether	73	8.389	8.380	(1.006)	7564950	200.000	199	
	47 1,2-Dichloroethane	62	8.458	8.449	(0.920)	4741491	200.000	216(A)	
	48 Trichloroethene	95	9.108	9.099	(0.991)	2857788	200.000	210(A)	
*	49 1,4-Difluorobenzene	114	9.189	9.192	(1.000)	2024216	50.0000		
	50 Dibromomethane	93	9.689	9.679	(1.054)	2023006	200.000	218(A)	
	51 1,2-Dichloropropane	63	9.828	9.819	(1.069)	2619245	200.000	204(A)	
	52 Bromodichloromethane	83	9.944	9.935	(1.082)	4452193	200.000	224(A)	
	53 cis-1,3-dichloropropene	75	10.698	10.689	(1.164)	4664822	200.000	214(A)	
	54 1,4-Dioxane	88	10.211	10.213	(1.111)	90677	4000.00	361	
$	55 Toluene-D8	98	10.896	10.886	(1.186)	7438536	200.000	193	
	56 2-Chloroethylvinylether	63	10.675	10.666	(1.162)	1731909	200.000	212(A)	
	57 Toluene	92	10.954	10.944	(1.192)	5150320	200.000	197	
	58 4-methyl-2-pentanone	43	11.383	11.385	(1.239)	9222196	1000.00	858	
	59 Tetrachloroethene	164	11.348	11.339	(0.896)	2680386	200.000	206(A)	
	60 trans-1,3-Dichloropropene	75	11.418	11.409	(1.242)	3987062	200.000	212(A)	
	61 1,1,2-Trichloroethane	83	11.580	11.571	(1.260)	1976039	200.000	204(A)	
	62 Dibromochloromethane	129	11.766	11.768	(0.929)	3922049	200.000	201(A)	
	63 1,3-Dichloropropane	76	11.882	11.873	(0.938)	4214183	200.000	212(A)	
	64 1,2-Dibromoethane	107	12.021	12.024	(1.308)	2891596	200.000	218(A)	
	65 2-Hexanone	43	12.370	12.360	(0.976)	7420691	1000.00	986	
*	66 Chlorobenzene-D5	117	12.671	12.674	(1.000)	1697200	50.0000		
	67 Chlorobenzene	112	12.694	12.697	(1.002)	5846525	200.000	189	
	152 1-Chlorohexane	91	12.706	12.697	(1.523)	2430889	200.000	197	
	68 Ethylbenzene	106	12.753	12.743	(1.006)	3021705	200.000	205(A)	
	69 1,1,1,2-Tetrachloroethane	131	12.787	12.778	(1.009)	3057264	200.000	222(A)	
M	70 Xylenes (total)	106				10628050	600.000	(a)	SJ 092408
	71 m+p-Xylenes	106	12.938	12.941	(1.021)	6881306	400.000	382	
	72 o-Xylene	106	13.484	13.475	(1.064)	3746744	200.000	209(A)	
	73 Styrene	104	13.553	13.544	(1.070)	6371090	200.000	207(A)	
	74 Bromoform	173	13.565	13.556	(1.071)	2508126	200.000	201(AM)	M10
	75 Isopropylbenzene	105	13.890	13.892	(0.880)	7798632	200.000	198	
$	76 P-Bromofluorobenzene	95	14.250	14.241	(1.551)	3509360	200.000	208(A)	
	77 cis-1,4-Dichloro-2-Butene	53	14.354	14.345	(0.910)	1116000	200.000	202(A)	

Data File: \\Target_server\GG\chem\gcms-f.i\F090508.b\F1666.D
Report Date: 24-Sep-2008 15:12

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)	REVIEW CODE
	78 trans-1,4-Dichloro-2-Butene	53	14.784	14.774	(0.937)	1063328	200.000	223(A)	
	79 Bromobenzene	156	14.377	14.368	(0.911)	3534557	200.000	214(A)	
	80 N-Propylbenzene	91	14.447	14.438	(0.915)	9775027	200.000	195	
	81 1,1,2,2-Tetrachloroethane	83	14.540	14.542	(0.921)	2733230	200.000	203(A)	
	82 1,3,5-Trimethylbenzene	105	14.726	14.716	(0.933)	7385204	200.000	208(A)	
	83 2-Chlorotoluene	91	14.633	14.635	(0.927)	6824655	200.000	204(A)	
	84 1,2,3-Trichloropropane	75	14.702	14.705	(0.932)	2313353	200.000	206(A)	
	85 4-Chlorotoluene	91	14.865	14.856	(0.942)	7037052	200.000	202(A)	
	86 tert-Butylbenzene	119	15.155	15.146	(0.960)	7062805	200.000	202(A)	
	87 Pentachloroethane	117	15.155	15.157	(0.960)	1759948	200.000	199	
	88 1,2,4-Trimethylbenzene	105	15.248	15.250	(0.966)	7625723	200.000	204(A)	
	89 P-Isopropyltoluene	119	15.608	15.610	(0.989)	7201158	200.000	214(A)	
	90 1,3-Dichlorobenzene	146	15.677	15.668	(0.993)	5425270	200.000	203(A)	
*	91 1,4-Dichlorobenzene-D4	152	15.782	15.773	(1.000)	964618	50.0000		
	92 1,4-Dichlorobenzene	146	15.805	15.796	(1.001)	5550323	200.000	199	
	93 N-Butylbenzene	91	16.211	16.202	(1.027)	6052083	200.000	212(A)	
	94 sec-Butylbenzene	105	15.399	15.390	(0.976)	8268439	200.000	208(A)	
	95 1,2-Dichlorobenzene	146	16.397	16.388	(1.039)	5236709	200.000	204(A)	
	96 1,2-Dibromo-3-Chloropropane	75	17.557	17.560	(1.113)	479227	200.000	212(A)	
	97 1,3,5-Trichlorobenzene	180	17.615	17.618	(1.116)	3221631	200.000	202(A)	
	98 Hexachlorobutadiene	225	18.567	18.558	(1.176)	1343068	200.000	190	
	99 1,2,4-Trichlorobenzene	180	18.579	18.581	(1.177)	2523790	200.000	195	
	100 1,2,3-Trimethylbenzene	105	15.851	15.854	(1.004)	8067722	200.000	193	
	101 Naphthalene	128	19.066	19.069	(1.208)	4329937	200.000	178	
	102 1,2,3-Trichlorobenzene	180	19.345	19.347	(1.226)	1397380	200.000	191	
	103 Methyl Acetate	43	4.315	4.317	(0.517)	2143490	200.000	203(A)	
	104 Methylcyclohexane	83	9.062	9.053	(1.086)	2604831	200.000	211(A)	
M	153 Total Alkylbenzenes	100				53370439	200.000	(a)	

QC Flag Legend

a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).
A - Target compound detected but, quantitated amount exceeded maximum amount.
M - Compound response manually integrated.

Data File: \\Target_server\GG\chem\gcms-f.i\F090508.b\F1666.D
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Katahdin Analytical Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcms-f.i
Lab File ID: F1666.D
Lab Smp Id: VSTD200F05A
Analysis Type: VOA
Quant Type: ISTD
Operator: TTC
Method File: \\Target_server\GG\chem\gcms-f.i\F090508.b\F826a15.m
Misc Info: SW846 8260B

Calibration Date: 05-SEP-2008
Calibration Time: 12:34

Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 4

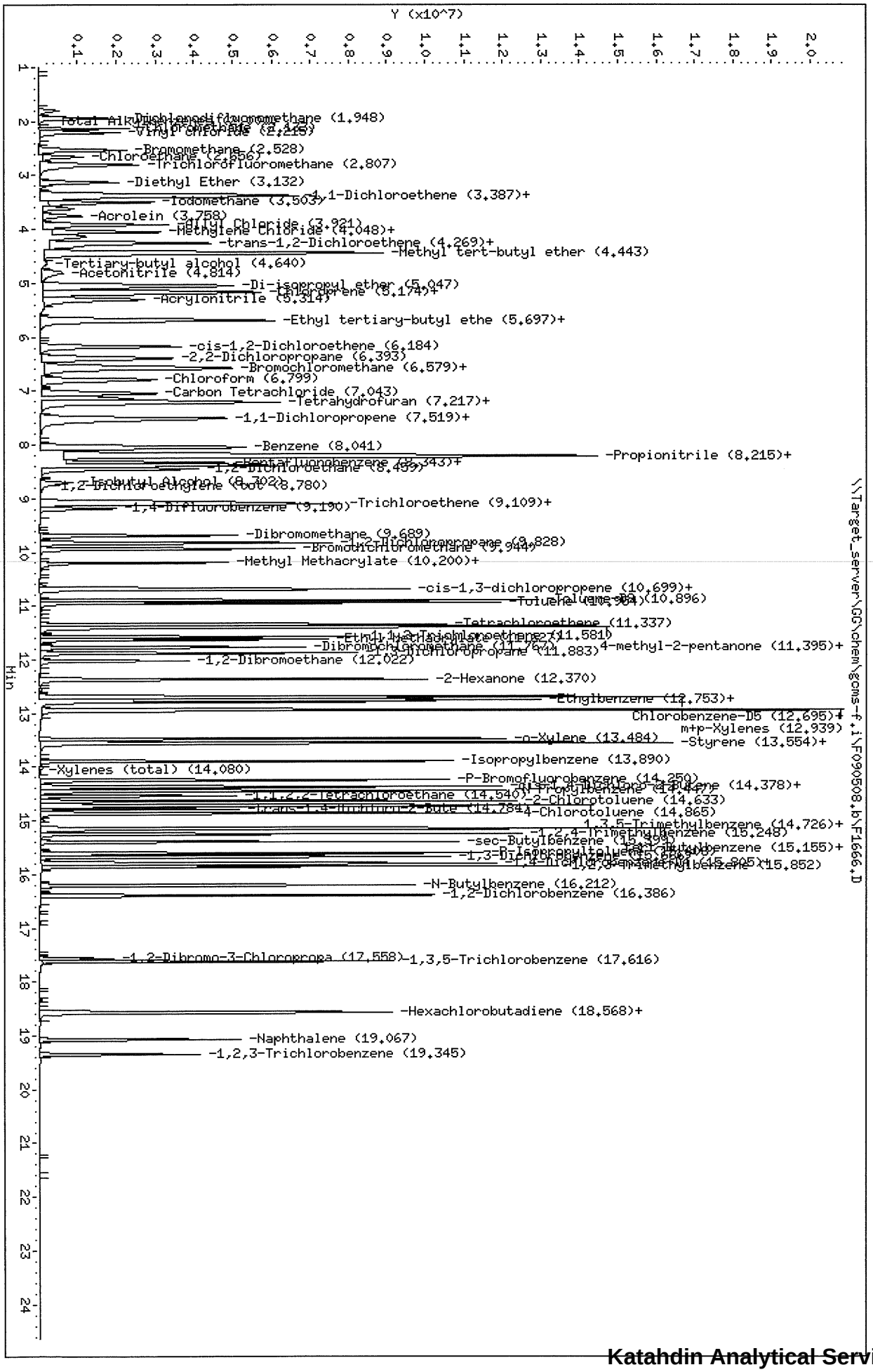
COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	1570003	785002	3140006	1409129	-10.25
49 1,4-Difluorobenze	2132057	1066029	4264114	2024216	-5.06
66 Chlorobenzene-D5	1833881	916941	3667762	1697200	-7.45
91 1,4-Dichlorobenze	995936	497968	1991872	964618	-3.14

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	8.33	7.83	8.83	8.34	0.12
49 1,4-Difluorobenze	9.19	8.69	9.69	9.19	-0.02
66 Chlorobenzene-D5	12.67	12.17	13.17	12.67	-0.02
91 1,4-Dichlorobenze	15.77	15.27	16.27	15.78	0.06

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.

Data File: \\Target_server\GC\chem\gcms-f.i\F090508.b\F1666.D
Date : 05-SEP-2008 11:33
Client ID:
Sample Info: VSTD200F05A
Purge Volume: 5.0
Column phase: RTX-VMS

Instrument: gcms-f.i
Operator: TTC
Column diameter: 0.18



Data File: \\Target_server\GG\chem\gcms-f.i\F090508.b\F1667.D
Report Date: 24-Sep-2008 15:12

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gcms-f.i\F090508.b\F1667.D
Lab Smp Id: VSTD100F05A
Inj Date : 05-SEP-2008 12:03 MS Autotune Date: 02-SEP-2008 16:04
Operator : TTC Inst ID: gcms-f.i
Smp Info : VSTD100F05A
Misc Info : SW846 8260B
Comment :
Method : \\Target_server\GG\chem\gcms-f.i\F090508.b\F826a15.m
Meth Date : 10-Sep-2008 09:03 gcms-f.i Quant Type: ISTD
Cal Date : 05-SEP-2008 12:03 Cal File: F1667.D
Als bottle: 2 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.12

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	sample purged
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)	REVIEW CODE
1 Dichlorodifluoromethane	85	1.943	1.938	(0.233)	1574902	100.000	113	
2 Chloromethane	50	2.140	2.134	(0.257)	1653174	100.000	104	
3 Vinyl chloride	62	2.209	2.205	(0.265)	1481374	100.000	103	
4 Bromomethane	94	2.534	2.530	(0.304)	1048881	100.000	95.1	
5 Chloroethane	64	2.651	2.658	(0.318)	701507	100.000	96.4	
6 Trichlorofluoromethane	101	2.801	2.797	(0.336)	2045654	100.000	107	
7 Diethyl Ether	59	3.126	3.134	(0.375)	957487	100.000	105	
8 Tertiary-butyl alcohol	59	4.635	4.642	(0.556)	442650	500.000	544	
9 1,1-Dichloroethene	96	3.347	3.342	(0.401)	1002325	100.000	103	
10 Carbon Disulfide	76	3.370	3.366	(0.404)	3454813	100.000	106	
11 Freon-113	151	3.393	3.389	(0.407)	1060692	100.000	97.1	
12 Iodomethane	142	3.509	3.505	(0.421)	2722447	100.000	110	
13 Acrolein	56	3.753	3.749	(0.450)	968076	500.000	539	
14 Methylene Chloride	84	4.043	4.050	(0.485)	1291052	100.000	97.5	
15 Acetone	43	4.148	4.155	(0.498)	1638490	500.000	586	
16 Isobutyl Alcohol	43	8.709	8.704	(1.045)	625273	2000.00	2230	
17 trans-1,2-Dichloroethene	96	4.264	4.259	(0.511)	1392424	100.000	107	
18 Allyl Chloride	41	3.916	3.911	(0.470)	1901125	100.000	107	
19 Methyl tert-butyl ether	73	4.449	4.445	(0.534)	8153906	200.000	210	
20 Acetonitrile	39	4.798	4.782	(0.575)	223900	1000.00	957	
21 Di-isopropyl ether	45	5.041	5.049	(0.605)	4838967	100.000	98.4	
22 Chloroprene	53	5.157	5.153	(0.619)	2317828	100.000	97.0	
23 Propionitrile	54	8.175	8.159	(0.981)	1371371	1000.00	1060	
24 Methacrylonitrile	41	8.198	8.182	(0.983)	8399242	1000.00	1040	

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Report Date: 24-Sep-2008 15:12

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)	REVIEW CODE
	25 1,1-Dichloroethane	63	5.192	5.188	(0.623)	2613155	100.000	107	
	26 Acrylonitrile	52	5.308	5.304	(0.637)	1994624	500.000	524	
	27 Ethyl tertiary-butyl ether	59	5.691	5.687	(0.683)	5096376	100.000	108	
	28 Vinyl Acetate	43	5.691	5.687	(0.619)	3333139	100.000	110	
	29 cis-1,2-Dichloroethene	96	6.179	6.174	(0.741)	1488115	100.000	108	
M	30 1,2-Dichloroethylene (total)	96				2880539	100.000	(a)	
	31 Methyl Methacrylate	41	10.194	10.202	(1.109)	1244292	100.000	102	
	32 2,2-Dichloropropane	77	6.388	6.383	(0.766)	2330262	100.000	112	
	33 Bromochloromethane	128	6.597	6.592	(0.791)	893006	100.000	108	
	34 Chloroform	83	6.794	6.789	(0.815)	2727937	100.000	101	
	35 Carbon Tetrachloride	117	7.038	7.033	(0.765)	2137858	100.000	110	
	36 Tetrahydrofuran	42	7.142	7.138	(0.857)	1633759	500.000	531	
$	37 Dibromofluoromethane	113	7.212	7.207	(0.865)	1811325	100.000	110	
	38 1,1,1-Trichloroethane	97	7.212	7.196	(0.865)	2293362	100.000	112	
	39 1,1-Dichloropropene	75	7.502	7.497	(0.816)	2045476	100.000	105	
	40 2-Butanone	43	7.548	7.544	(0.905)	2887742	500.000	490	
	41 Benzene	78	8.036	8.042	(0.874)	5131613	100.000	105	
*	42 Pentafluorobenzene	168	8.337	8.333	(1.000)	1495699	50.0000		
	43 Cyclohexane	56	6.562	6.546	(0.787)	1725617	100.000	108	
	44 Ethyl Methacrylate	69	11.622	11.629	(1.264)	1830169	100.000	114	
$	45 1,2-Dichloroethane-D4	65	8.326	8.321	(0.999)	2040890	100.000	107	
	46 Tertiary-amyl methyl ether	73	8.384	8.380	(1.006)	4165069	100.000	103	
	47 1,2-Dichloroethane	62	8.454	8.449	(0.919)	2403561	100.000	104	
	48 Trichloroethene	95	9.103	9.099	(0.990)	1513458	100.000	105	
*	49 1,4-Difluorobenzene	114	9.196	9.192	(1.000)	2134822	50.0000		
	50 Dibromomethane	93	9.684	9.679	(1.053)	1041239	100.000	106	
	51 1,2-Dichloropropane	63	9.823	9.819	(1.068)	1439762	100.000	106	
	52 Bromodichloromethane	83	9.939	9.935	(1.081)	2271667	100.000	108	
	53 cis-1,3-dichloropropene	75	10.694	10.689	(1.163)	2440637	100.000	106	
	54 1,4-Dioxane	88	10.218	10.213	(1.111)	342802	2000.00	1300	
$	55 Toluene-D8	98	10.891	10.886	(1.184)	4195128	100.000	103	
	56 2-Chloroethylvinylether	63	10.670	10.666	(1.160)	950225	100.000	110	
	57 Toluene	92	10.949	10.944	(1.191)	3015651	100.000	110	
	58 4-methyl-2-pentanone	43	11.390	11.385	(1.239)	6054915	500.000	534	
	59 Tetrachloroethene	164	11.343	11.339	(0.896)	1378537	100.000	100	
	60 trans-1,3-Dichloropropene	75	11.413	11.409	(1.241)	2169660	100.000	109	
	61 1,1,2-Trichloroethane	83	11.576	11.571	(1.259)	1069436	100.000	104	
	62 Dibromochloromethane	129	11.773	11.768	(0.929)	2004050	100.000	97.8	
	63 1,3-Dichloropropane	76	11.877	11.873	(0.938)	2301508	100.000	109	
	64 1,2-Dibromoethane	107	12.028	12.024	(1.308)	1545244	100.000	110	
	65 2-Hexanone	43	12.365	12.360	(0.976)	4365838	500.000	547	
*	66 Chlorobenzene-D5	117	12.667	12.674	(1.000)	1800282	50.0000		
	67 Chlorobenzene	112	12.690	12.697	(1.002)	3427380	100.000	104	
	152 1-Chlorohexane	91	12.701	12.697	(1.523)	1651371	100.000	108	
	68 Ethylbenzene	106	12.748	12.743	(1.006)	1649171	100.000	105	
	69 1,1,1,2-Tetrachloroethane	131	12.783	12.778	(1.009)	1603698	100.000	110	
M	70 Xylenes (total)	106				5940283	100.000	(a)	
	71 m+p-Xylenes	106	12.945	12.941	(1.022)	3941051	200.000	206	
	72 o-Xylene	106	13.479	13.475	(1.064)	1999232	100.000	105	
	73 Styrene	104	13.549	13.544	(1.070)	3454670	100.000	106	
	74 Bromoform	173	13.560	13.556	(1.071)	1305862	100.000	99.2	
	75 Isopropylbenzene	105	13.897	13.892	(0.881)	4385694	100.000	107	
$	76 P-Bromofluorobenzene	95	14.245	14.241	(1.549)	1837944	100.000	104	
	77 cis-1,4-Dichloro-2-Butene	53	14.349	14.345	(0.910)	549937	100.000	96.8	

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Report Date: 24-Sep-2008 15:12

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)	REVIEW CODE
78 trans-1,4-Dichloro-2-Butene	53	14.779	14.774	(0.937)	517501	100.000	104	
79 Bromobenzene	156	14.373	14.368	(0.911)	1817559	100.000	106	
80 N-Propylbenzene	91	14.442	14.438	(0.915)	5445056	100.000	104	
81 1,1,2,2-Tetrachloroethane	83	14.535	14.542	(0.921)	1494821	100.000	107	
82 1,3,5-Trimethylbenzene	105	14.721	14.716	(0.933)	3916764	100.000	106	
83 2-Chlorotoluene	91	14.628	14.635	(0.927)	3712336	100.000	106	
84 1,2,3-Trichloropropane	75	14.709	14.705	(0.932)	1228516	100.000	105	
85 4-Chlorotoluene	91	14.860	14.856	(0.942)	3861468	100.000	106	
86 tert-Butylbenzene	119	15.150	15.146	(0.960)	3951238	100.000	108	
87 Pentachloroethane	117	15.150	15.157	(0.960)	948098	100.000	103	
88 1,2,4-Trimethylbenzene	105	15.243	15.250	(0.966)	4194348	100.000	108	
89 P-Isopropyltoluene	119	15.603	15.610	(0.989)	3729187	100.000	106	
90 1,3-Dichlorobenzene	146	15.673	15.668	(0.993)	2814230	100.000	101	
* 91 1,4-Dichlorobenzene-D4	152	15.777	15.773	(1.000)	1005471	50.0000		
92 1,4-Dichlorobenzene	146	15.800	15.796	(1.001)	3053559	100.000	105	
93 N-Butylbenzene	91	16.206	16.202	(1.027)	3112048	100.000	104	
94 sec-Butylbenzene	105	15.394	15.390	(0.976)	4414615	100.000	107	
95 1,2-Dichlorobenzene	146	16.392	16.388	(1.039)	2811380	100.000	105	
96 1,2-Dibromo-3-Chloropropane	75	17.553	17.560	(1.113)	260346	100.000	111	
97 1,3,5-Trichlorobenzene	180	17.611	17.618	(1.116)	1691433	100.000	102	
98 Hexachlorobutadiene	225	18.562	18.558	(1.177)	711699	100.000	96.5	
99 1,2,4-Trichlorobenzene	180	18.574	18.581	(1.177)	1400840	100.000	104	
100 1,2,3-Trimethylbenzene	105	15.858	15.854	(1.005)	4453028	100.000	102	
101 Naphthalene	128	19.073	19.069	(1.209)	2697004	100.000	106	
102 1,2,3-Trichlorobenzene	180	19.352	19.347	(1.227)	859899	100.000	112	
103 Methyl Acetate	43	4.322	4.317	(0.518)	1168830	100.000	104	
104 Methylcyclohexane	83	9.057	9.053	(1.086)	1341222	100.000	102	
M 153 Total Alkylbenzenes	100				28763256	100.000	(a)	

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: \\Target_server\GG\chem\gcms-f.i\F090508.b\F1667.D
Report Date: 24-Sep-2008 15:12

Katahdin Analytical Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcms-f.i
Lab File ID: F1667.D
Lab Smp Id: VSTD100F05A
Analysis Type: VOA
Quant Type: ISTD
Operator: TTC
Method File: \\Target_server\GG\chem\gcms-f.i\F090508.b\F826a15.m
Misc Info: SW846 8260B

Calibration Date: 05-SEP-2008
Calibration Time: 12:34

Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 4

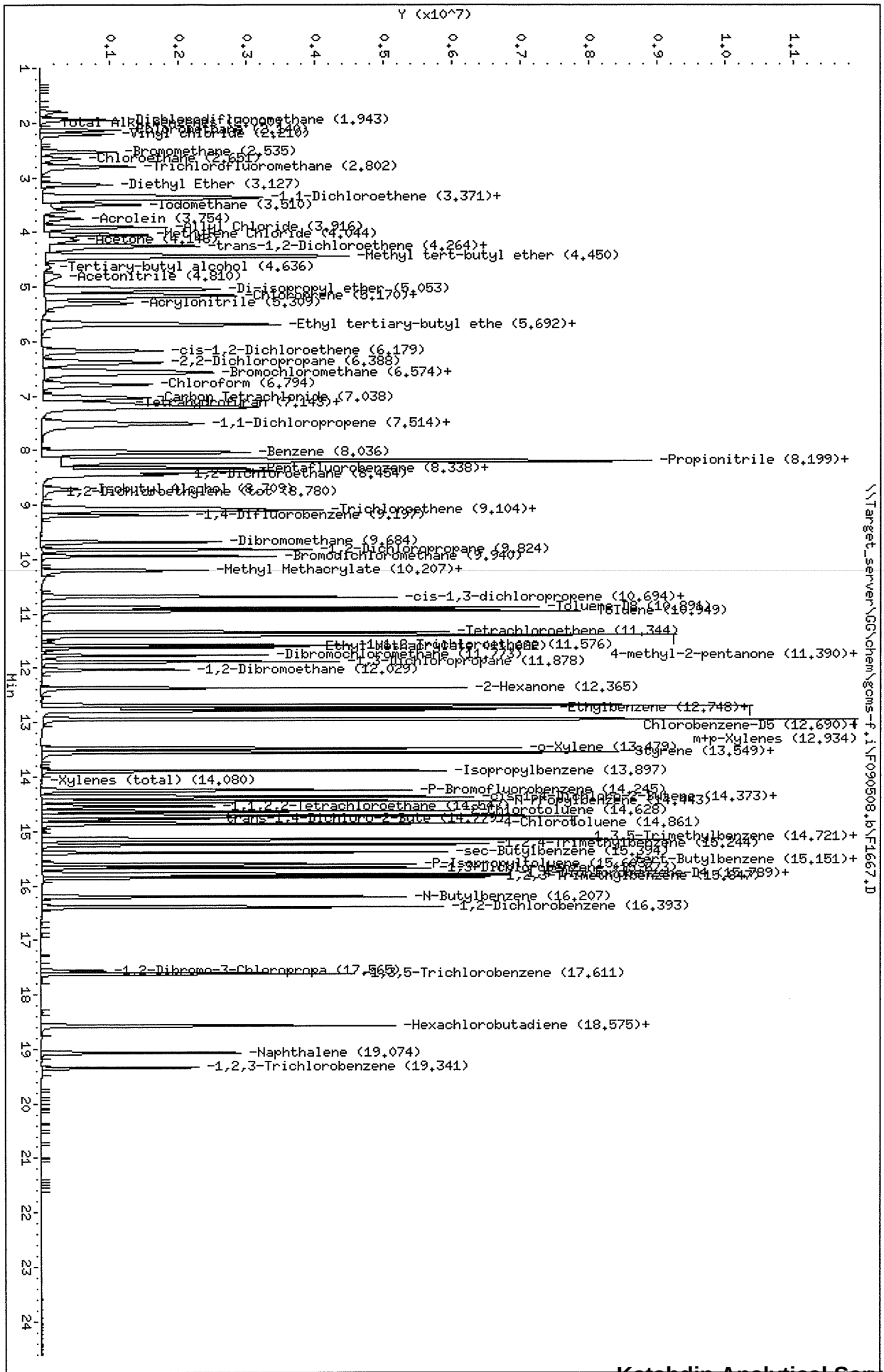
COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	1570003	785002	3140006	1495699	-4.73
49 1,4-Difluorobenze	2132057	1066029	4264114	2134822	0.13
66 Chlorobenzene-D5	1833881	916941	3667762	1800282	-1.83
91 1,4-Dichlorobenze	995936	497968	1991872	1005471	0.96

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	8.33	7.83	8.83	8.34	0.06
49 1,4-Difluorobenze	9.19	8.69	9.69	9.20	0.05
66 Chlorobenzene-D5	12.67	12.17	13.17	12.67	-0.05
91 1,4-Dichlorobenze	15.77	15.27	16.27	15.78	0.03

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.

Data File: \\Target_server\GC\chem\gcms-f.i\F090508.b\F1667.D
Date : 05-SEP-2008 12:03
Client ID:
Sample Info: VSTD100F05A
Purge Volume: 5.0
Column phase: RTX-VMS

Instrument: gcms-f.i
Operator: TTC
Column diameter: 0.18



\\Target_server\GC\chem\gcms-f.i\F090508.b\F1667.D

Data File: \\Target_server\GG\chem\gcms-f.i\F090508.b\F1668.D
Report Date: 24-Sep-2008 15:12

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gcms-f.i\F090508.b\F1668.D
Lab Smp Id: VSTD050F05A
Inj Date : 05-SEP-2008 12:34 MS Autotune Date: 02-SEP-2008 16:04
Operator : TTC Inst ID: gcms-f.i
Smp Info : VSTD050F05A
Misc Info : SW846 8260B
Comment :
Method : \\Target_server\GG\chem\gcms-f.i\F090508.b\F826a15.m
Meth Date : 10-Sep-2008 09:03 gcms-f.i Quant Type: ISTD
Cal Date : 05-SEP-2008 12:34 Cal File: F1668.D
Als bottle: 3 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.12

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	sample purged
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)	REVIEW CODE
1 Dichlorodifluoromethane	85	1.938	1.938	(0.233)	754465	50.0000	51.5	
2 Chloromethane	50	2.135	2.134	(0.256)	862156	50.0000	51.8	
3 Vinyl chloride	62	2.205	2.205	(0.265)	771907	50.0000	51.2	
4 Bromomethane	94	2.530	2.530	(0.304)	561486	50.0000	48.5	
5 Chloroethane	64	2.657	2.658	(0.319)	379169	50.0000	49.6	
6 Trichlorofluoromethane	101	2.796	2.797	(0.336)	1053869	50.0000	52.4	
7 Diethyl Ether	59	3.133	3.134	(0.376)	474330	50.0000	49.5	
8 Tertiary-butyl alcohol	59	4.642	4.642	(0.557)	258162	250.000	227	
9 1,1-Dichloroethene	96	3.342	3.342	(0.401)	529420	50.0000	51.9	
10 Carbon Disulfide	76	3.365	3.366	(0.404)	1783901	50.0000	52.0	
11 Freon-113	151	3.388	3.389	(0.407)	521362	50.0000	46.4	
12 Iodomethane	142	3.504	3.505	(0.421)	1369918	50.0000	53.0	
13 Acrolein	56	3.748	3.749	(0.450)	495663	250.000	263	
14 Methylene Chloride	84	4.050	4.050	(0.486)	678041	50.0000	48.9	
15 Acetone	43	4.154	4.155	(0.499)	823709	250.000	280	SKJ 092408
16 Isobutyl Alcohol	43	8.704	8.704	(1.045)	349813	1000.00	865	
17 trans-1,2-Dichloroethene	96	4.259	4.259	(0.511)	694032	50.0000	51.0	
18 Allyl Chloride	41	3.911	3.911	(0.469)	929628	50.0000	49.7	
19 Methyl tert-butyl ether	73	4.445	4.445	(0.533)	4191820	100.000	103	
20 Acetonitrile	39	4.781	4.782	(0.574)	84113	500.000	387(M)	M10
21 Di-isopropyl ether	45	5.048	5.049	(0.606)	2488145	50.0000	48.6	
22 Chloroprene	53	5.153	5.153	(0.618)	1136589	50.0000	46.3	
23 Propionitrile	54	8.158	8.159	(0.979)	693800	500.000	508	
24 Methacrylonitrile	41	8.182	8.182	(0.982)	4340285	500.000	513	

Data File: \\Target_server\GG\chem\gcms-f.i\F090508.b\F1668.D
Report Date: 24-Sep-2008 15:12

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)	REVIEW CODE
	25 1,1-Dichloroethane	63	5.187	5.188	(0.623)	1326500	50.0000	51.9	
	26 Acrylonitrile	52	5.303	5.304	(0.636)	998033	250.000	250	
	27 Ethyl tertiary-butyl ether	59	5.686	5.687	(0.682)	2502549	50.0000	50.5	
	28 Vinyl Acetate	43	5.686	5.687	(0.619)	1628536	50.0000	53.8	
	29 cis-1,2-Dichloroethene	96	6.174	6.174	(0.741)	770977	50.0000	53.2	
M	30 1,2-Dichloroethylene (total)	96				1465009	50.0000	(a)	
	31 Methyl Methacrylate	41	10.201	10.202	(1.110)	616244	50.0000	50.9	
	32 2,2-Dichloropropane	77	6.383	6.383	(0.766)	1118022	50.0000	51.2	
	33 Bromochloromethane	128	6.592	6.592	(0.791)	454127	50.0000	52.1	
	34 Chloroform	83	6.789	6.789	(0.815)	1366112	50.0000	48.2	
	35 Carbon Tetrachloride	117	7.033	7.033	(0.765)	1044987	50.0000	53.9	
	36 Tetrahydrofuran	42	7.137	7.138	(0.857)	805113	250.000	250	
$	37 Dibromofluoromethane	113	7.207	7.207	(0.865)	935591	50.0000	54.2	
	38 1,1,1-Trichloroethane	97	7.195	7.196	(0.864)	1118516	50.0000	52.0	
	39 1,1-Dichloropropene	75	7.497	7.497	(0.816)	1023438	50.0000	52.8	
	40 2-Butanone	43	7.543	7.544	(0.905)	1548065	250.000	253	
	41 Benzene	78	8.042	8.042	(0.875)	2666220	50.0000	54.8	
*	42 Pentafluorobenzene	168	8.333	8.333	(1.000)	1570003	50.0000		
	43 Cyclohexane	56	6.545	6.546	(0.786)	862829	50.0000	51.4	
	44 Ethyl Methacrylate	69	11.629	11.629	(1.265)	865335	50.0000	53.8	
$	45 1,2-Dichloroethane-D4	65	8.321	8.321	(0.999)	1030864	50.0000	51.3	
	46 Tertiary-amyl methyl ether	73	8.379	8.380	(1.006)	2074691	50.0000	49.0	
	47 1,2-Dichloroethane	62	8.449	8.449	(0.919)	1171329	50.0000	50.7	
	48 Trichloroethene	95	9.099	9.099	(0.990)	734503	50.0000	51.2	
*	49 1,4-Difluorobenzene	114	9.191	9.192	(1.000)	2132057	50.0000		
	50 Dibromomethane	93	9.679	9.679	(1.053)	519967	50.0000	53.1	
	51 1,2-Dichloropropane	63	9.818	9.819	(1.068)	687379	50.0000	50.9	
	52 Bromodichloromethane	83	9.934	9.935	(1.081)	1088630	50.0000	51.9	
	53 cis-1,3-dichloropropene	75	10.689	10.689	(1.163)	1208942	50.0000	52.7	
	54 1,4-Dioxane	88	10.213	10.213	(1.111)	154835	1000.00	586	
$	55 Toluene-D8	98	10.886	10.886	(1.184)	2260281	50.0000	55.6	
	56 2-Chloroethylvinylether	63	10.665	10.666	(1.160)	477598	50.0000	55.5	
	57 Toluene	92	10.944	10.944	(1.191)	1434003	50.0000	52.1	
	58 4-methyl-2-pentanone	43	11.385	11.385	(1.239)	3377830	250.000	298	
	59 Tetrachloroethene	164	11.339	11.339	(0.895)	738972	50.0000	52.7	
	60 trans-1,3-Dichloropropene	75	11.408	11.409	(1.241)	1098705	50.0000	55.4	
	61 1,1,2-Trichloroethane	83	11.571	11.571	(1.259)	555731	50.0000	54.3	
	62 Dibromochloromethane	129	11.768	11.768	(0.929)	1005218	50.0000	48.9	
	63 1,3-Dichloropropane	76	11.872	11.873	(0.937)	1152823	50.0000	53.6	
	64 1,2-Dibromoethane	107	12.023	12.024	(1.308)	776546	50.0000	55.6	
	65 2-Hexanone	43	12.360	12.360	(0.975)	2210008	250.000	272	
*	66 Chlorobenzene-D5	117	12.673	12.674	(1.000)	1833881	50.0000		
	67 Chlorobenzene	112	12.696	12.697	(1.002)	1763054	50.0000	52.7	
	152 1-Chlorohexane	91	12.696	12.697	(1.524)	804854	50.0000	42.9	
	68 Ethylbenzene	106	12.743	12.743	(1.005)	839260	50.0000	52.7	
	69 1,1,1,2-Tetrachloroethane	131	12.778	12.778	(1.008)	804811	50.0000	54.0	
M	70 Xylenes (total)	106				3154223	150.000	(a)	
	71 m+p-Xylenes	106	12.940	12.941	(1.021)	2095936	100.000	108	
	72 o-Xylene	106	13.474	13.475	(1.063)	1058287	50.0000	54.6	
	73 Styrene	104	13.544	13.544	(1.069)	1853206	50.0000	55.8	
	74 Bromoform	173	13.555	13.556	(1.070)	646630	50.0000	48.8	
	75 Isopropylbenzene	105	13.892	13.892	(0.881)	2242028	50.0000	55.2	
$	76 P-Bromofluorobenzene	95	14.240	14.241	(1.549)	941931	50.0000	53.1	
	77 cis-1,4-Dichloro-2-Butene	53	14.345	14.345	(0.909)	255664	50.0000	46.6	

Data File: \\Target_server\GG\chem\gcms-f.i\F090508.b\F1668.D
Report Date: 24-Sep-2008 15:12

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)	REVIEW CODE
78 trans-1,4-Dichloro-2-Butene	53	14.774	14.774	(0.937)	239848	50.0000	48.7	
79 Bromobenzene	156	14.368	14.368	(0.911)	882251	50.0000	51.9	
80 N-Propylbenzene	91	14.437	14.438	(0.915)	2844044	50.0000	54.8	
81 1,1,2,2-Tetrachloroethane	83	14.542	14.542	(0.922)	744826	50.0000	53.6	
82 1,3,5-Trimethylbenzene	105	14.716	14.716	(0.933)	1962208	50.0000	53.6	
83 2-Chlorotoluene	91	14.635	14.635	(0.928)	1848978	50.0000	53.5	
84 1,2,3-Trichloropropane	75	14.704	14.705	(0.932)	607387	50.0000	52.3	
85 4-Chlorotoluene	91	14.855	14.856	(0.942)	1986967	50.0000	55.3	
86 tert-Butylbenzene	119	15.145	15.146	(0.960)	1879745	50.0000	52.1	
87 Pentachloroethane	117	15.157	15.157	(0.961)	415742	50.0000	46.1	
88 1,2,4-Trimethylbenzene	105	15.250	15.250	(0.967)	2137621	50.0000	55.4	
89 P-Isopropyltoluene	119	15.610	15.610	(0.990)	1881111	50.0000	54.2	
90 1,3-Dichlorobenzene	146	15.668	15.668	(0.993)	1460935	50.0000	52.8	
* 91 1,4-Dichlorobenzene-D4	152	15.772	15.773	(1.000)	995936	50.0000		
92 1,4-Dichlorobenzene	146	15.795	15.796	(1.001)	1517451	50.0000	52.7	
93 N-Butylbenzene	91	16.201	16.202	(1.027)	1643600	50.0000	55.6	
94 sec-Butylbenzene	105	15.389	15.390	(0.976)	2171604	50.0000	53.0	
95 1,2-Dichlorobenzene	146	16.387	16.388	(1.039)	1402771	50.0000	53.0	
96 1,2-Dibromo-3-Chloropropane	75	17.559	17.560	(1.113)	122082	50.0000	52.4	
97 1,3,5-Trichlorobenzene	180	17.617	17.618	(1.117)	796034	50.0000	48.5	
98 Hexachlorobutadiene	225	18.558	18.558	(1.177)	356001	50.0000	48.8	
99 1,2,4-Trichlorobenzene	180	18.581	18.581	(1.178)	682705	50.0000	51.2	
100 1,2,3-Trimethylbenzene	105	15.853	15.854	(1.005)	2175738	50.0000	50.5	
101 Naphthalene	128	19.068	19.069	(1.209)	1300297	50.0000	51.6	
102 1,2,3-Trichlorobenzene	180	19.347	19.347	(1.227)	439560	50.0000	56.1	
103 Methyl Acetate	43	4.317	4.317	(0.518)	615354	50.0000	52.4	
104 Methylcyclohexane	83	9.052	9.053	(1.086)	663363	50.0000	48.3	
M 153 Total Alkylbenzenes	100				14519933	50.0000	(a)	

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
M - Compound response manually integrated.

Data File: \\Target_server\GG\chem\gcms-f.i\F090508.b\F1668.D
Report Date: 24-Sep-2008 15:12

Katahdin Analytical Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcms-f.i
Lab File ID: F1668.D
Lab Smp Id: VSTD050F05A
Analysis Type: VOA
Quant Type: ISTD
Operator: TTC
Method File: \\Target_server\GG\chem\gcms-f.i\F090508.b\F826a15.m
Misc Info: SW846 8260B

Calibration Date: 05-SEP-2008
Calibration Time: 12:34

Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 4

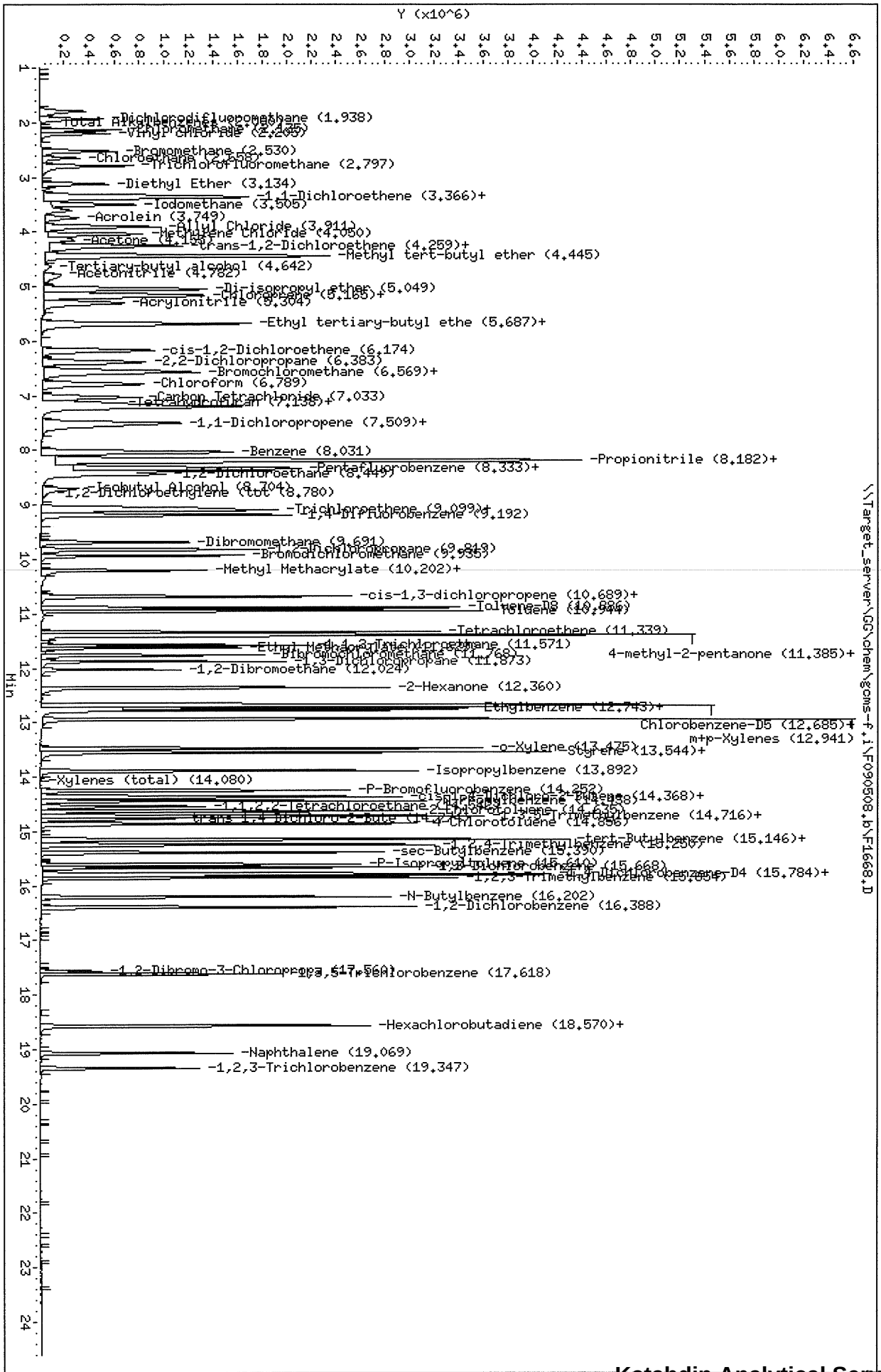
COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	1570003	785002	3140006	1570003	0.00
49 1,4-Difluorobenze	2132057	1066029	4264114	2132057	0.00
66 Chlorobenzene-D5	1833881	916941	3667762	1833881	0.00
91 1,4-Dichlorobenze	995936	497968	1991872	995936	0.00

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	8.33	7.83	8.83	8.33	0.00
49 1,4-Difluorobenze	9.19	8.69	9.69	9.19	0.00
66 Chlorobenzene-D5	12.67	12.17	13.17	12.67	0.00
91 1,4-Dichlorobenze	15.77	15.27	16.27	15.77	0.00

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.

Data File: \\Target_server\GC\chem\gcms-f.i\F090508.b\F1668.D
Date : 05-SEP-2008 12:34
Client ID:
Sample Info: VSTD050F05A
Purge Volume: 5.0
Column phase: RTX-VMS

Instrument: gcms-f.i
Operator: TTC
Column diameter: 0.18



Data File: \\Target_server\GG\chem\gcms-f.i\F090508.b\F1669.D
Report Date: 24-Sep-2008 15:12

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gcms-f.i\F090508.b\F1669.D
Lab Smp Id: VSTD020F05A
Inj Date : 05-SEP-2008 13:05 MS Autotune Date: 02-SEP-2008 16:04
Operator : TTC Inst ID: gcms-f.i
Smp Info : VSTD020F05A
Misc Info : SW846 8260B
Comment :
Method : \\Target_server\GG\chem\gcms-f.i\F090508.b\F826a15.m
Meth Date : 10-Sep-2008 09:03 gcms-f.i Quant Type: ISTD
Cal Date : 05-SEP-2008 13:05 Cal File: F1669.D
Als bottle: 4 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.12

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	sample purged
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)	REVIEW CODE
1 Dichlorodifluoromethane	85	1.947	1.938	(0.234)	299166	20.0000	21.1	
2 Chloromethane	50	2.133	2.134	(0.256)	326775	20.0000	20.3	
3 Vinyl chloride	62	2.214	2.205	(0.266)	319084	20.0000	21.9	
4 Bromomethane	94	2.528	2.530	(0.303)	234505	20.0000	20.9	
5 Chloroethane	64	2.655	2.658	(0.319)	153675	20.0000	20.8	
6 Trichlorofluoromethane	101	2.795	2.797	(0.335)	394598	20.0000	20.2	
7 Diethyl Ether	59	3.131	3.134	(0.376)	181513	20.0000	19.6	
8 Tertiary-butyl alcohol	59	4.640	4.642	(0.557)	90786	100.000	68.3	
9 1,1-Dichloroethene	96	3.340	3.342	(0.401)	206009	20.0000	20.8	
10 Carbon Disulfide	76	3.363	3.366	(0.404)	704534	20.0000	21.2	
11 Freon-113	151	3.386	3.389	(0.407)	198652	20.0000	19.3	
12 Iodomethane	142	3.503	3.505	(0.420)	523775	20.0000	20.9	
13 Acrolein	56	3.758	3.749	(0.451)	178591	100.000	97.9	
14 Methylene Chloride	84	4.048	4.050	(0.486)	273151	20.0000	20.4	
15 Acetone	43	4.152	4.155	(0.498)	299837	100.000	105	
16 Isobutyl Alcohol	43	8.702	8.704	(1.045)	124127	400.000	265	
17 trans-1,2-Dichloroethene	96	4.257	4.259	(0.511)	272130	20.0000	20.7	
18 Allyl Chloride	41	3.909	3.911	(0.469)	333379	20.0000	18.4	
19 Methyl tert-butyl ether	73	4.443	4.445	(0.533)	1597986	40.0000	40.6	
20 Acetonitrile	39	4.802	4.782	(0.576)	20580	200.000	149	
21 Di-isopropyl ether	45	5.046	5.049	(0.606)	929192	20.0000	19.2	
22 Chloroprene	53	5.151	5.153	(0.618)	427539	20.0000	19.2	
23 Propionitrile	54	8.157	8.159	(0.979)	233018	200.000	175	
24 Methacrylonitrile	41	8.180	8.182	(0.982)	1604605	200.000	196	

Data File: \\Target_server\GG\chem\gcms-f.i\F090508.b\F1669.D
Report Date: 24-Sep-2008 15:12

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)	REVIEW CODE
	25 1,1-Dichloroethane	63	5.185	5.188	(0.622)	520757	20.0000	21.1	
	26 Acrylonitrile	52	5.301	5.304	(0.636)	377870	100.000	97.8	
	27 Ethyl tertiary-butyl ether	59	5.684	5.687	(0.682)	913262	20.0000	19.0	
	28 Vinyl Acetate	43	5.696	5.687	(0.620)	625680	20.0000	20.1	
	29 cis-1,2-Dichloroethene	96	6.172	6.174	(0.741)	301703	20.0000	21.5	
M	30 1,2-Dichloroethylene (total)	96				573833	20.0000	(a)	
	31 Methyl Methacrylate	41	10.199	10.202	(1.110)	213839	20.0000	17.5	
	32 2,2-Dichloropropane	77	6.392	6.383	(0.767)	411056	20.0000	19.4	
	33 Bromochloromethane	128	6.590	6.592	(0.791)	167615	20.0000	19.9	
	34 Chloroform	83	6.787	6.789	(0.815)	550666	20.0000	20.1	
	35 Carbon Tetrachloride	117	7.031	7.033	(0.765)	374859	20.0000	18.8	
	36 Tetrahydrofuran	42	7.135	7.138	(0.857)	291912	100.000	94.5	
$	37 Dibromofluoromethane	113	7.205	7.207	(0.865)	352696	20.0000	21.1	
	38 1,1,1-Trichloroethane	97	7.205	7.196	(0.865)	422965	20.0000	20.3	
	39 1,1-Dichloropropene	75	7.495	7.497	(0.816)	402037	20.0000	20.2	
	40 2-Butanone	43	7.553	7.544	(0.907)	529563	100.000	93.7	
	41 Benzene	78	8.040	8.042	(0.875)	1029627	20.0000	20.6	
*	42 Pentafluorobenzene	168	8.331	8.333	(1.000)	1519924	50.0000		
	43 Cyclohexane	56	6.555	6.546	(0.787)	362271	20.0000	22.3	
	44 Ethyl Methacrylate	69	11.627	11.629	(1.265)	314270	20.0000	19.0	
$	45 1,2-Dichloroethane-D4	65	8.319	8.321	(0.999)	401830	20.0000	20.7	
	46 Tertiary-amyl methyl ether	73	8.377	8.380	(1.006)	758193	20.0000	18.6	
	47 1,2-Dichloroethane	62	8.447	8.449	(0.919)	464351	20.0000	19.5	
	48 Trichloroethene	95	9.097	9.099	(0.990)	295034	20.0000	20.0	
*	49 1,4-Difluorobenzene	114	9.189	9.192	(1.000)	2192444	50.0000		
	50 Dibromomethane	93	9.689	9.679	(1.054)	201956	20.0000	20.0	
	51 1,2-Dichloropropane	63	9.828	9.819	(1.069)	284175	20.0000	20.5	
	52 Bromodichloromethane	83	9.932	9.935	(1.081)	447650	20.0000	20.8	
	53 cis-1,3-dichloropropene	75	10.687	10.689	(1.163)	474910	20.0000	20.1	
	54 1,4-Dioxane	88	10.222	10.213	(1.112)	73365	400.000	270	
$	55 Toluene-D8	98	10.896	10.886	(1.186)	902378	20.0000	21.6	
	56 2-Chloroethylvinylether	63	10.663	10.666	(1.160)	180216	20.0000	20.4	
	57 Toluene	92	10.942	10.944	(1.191)	597192	20.0000	21.1	
	58 4-methyl-2-pentanone	43	11.383	11.385	(1.239)	1231464	100.000	106	
	59 Tetrachloroethene	164	11.337	11.339	(0.895)	265789	20.0000	19.3	
	60 trans-1,3-Dichloropropene	75	11.406	11.409	(1.241)	404290	20.0000	19.8	
	61 1,1,2-Trichloroethane	83	11.569	11.571	(1.259)	209917	20.0000	20.0	
	62 Dibromochloromethane	129	11.766	11.768	(0.929)	374334	20.0000	19.5	
	63 1,3-Dichloropropane	76	11.882	11.873	(0.938)	445644	20.0000	21.1	
	64 1,2-Dibromoethane	107	12.021	12.024	(1.308)	287408	20.0000	20.0	
	65 2-Hexanone	43	12.358	12.360	(0.975)	846450	100.000	106	
*	66 Chlorobenzene-D5	117	12.671	12.674	(1.000)	1798991	50.0000		
	67 Chlorobenzene	112	12.694	12.697	(1.002)	684772	20.0000	20.9	
	152 1-Chlorohexane	91	12.694	12.697	(1.524)	302155	20.0000	16.5	
	68 Ethylbenzene	106	12.741	12.743	(1.005)	330686	20.0000	21.2	
	69 1,1,1,2-Tetrachloroethane	131	12.776	12.778	(1.008)	299774	20.0000	20.5	
M	70 Xylenes (total)	106				1234103	60.0000	(a)	
	71 m+p-Xylenes	106	12.938	12.941	(1.021)	827698	40.0000	43.4	
	72 o-Xylene	106	13.472	13.475	(1.063)	406405	20.0000	21.4	
	73 Styrene	104	13.542	13.544	(1.069)	702987	20.0000	21.6	
	74 Bromoform	173	13.553	13.556	(1.070)	243009	20.0000	19.5	
	75 Isopropylbenzene	105	13.890	13.892	(0.881)	855310	20.0000	21.2	
$	76 P-Bromofluorobenzene	95	14.250	14.241	(1.551)	376577	20.0000	20.6	
	77 cis-1,4-Dichloro-2-Butene	53	14.354	14.345	(0.910)	92727	20.0000	18.4	

Data File: \\Target_server\GG\chem\gcms-f.i\F090508.b\F1669.D
Report Date: 24-Sep-2008 15:12

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)	REVIEW CODE
78 trans-1,4-Dichloro-2-Butene	53	14.772	14.774	(0.937)	82770	20.0000	16.9	
79 Bromobenzene	156	14.377	14.368	(0.912)	338892	20.0000	20.0	
80 N-Propylbenzene	91	14.435	14.438	(0.915)	1074107	20.0000	20.8	
81 1,1,2,2-Tetrachloroethane	83	14.540	14.542	(0.922)	289202	20.0000	20.9	
82 1,3,5-Trimethylbenzene	105	14.714	14.716	(0.933)	756497	20.0000	20.8	
83 2-Chlorotoluene	91	14.633	14.635	(0.928)	723177	20.0000	21.0	
84 1,2,3-Trichloropropane	75	14.702	14.705	(0.932)	230347	20.0000	20.0	
85 4-Chlorotoluene	91	14.853	14.856	(0.942)	749264	20.0000	21.0	
86 tert-Butylbenzene	119	15.143	15.146	(0.960)	731387	20.0000	20.4	
87 Pentachloroethane	117	15.155	15.157	(0.961)	170542	20.0000	19.4	
88 1,2,4-Trimethylbenzene	105	15.248	15.250	(0.967)	824254	20.0000	21.5	
89 P-Isopropyltoluene	119	15.608	15.610	(0.990)	696922	20.0000	20.2	
90 1,3-Dichlorobenzene	146	15.666	15.668	(0.993)	559325	20.0000	20.3	
* 91 1,4-Dichlorobenzene-D4	152	15.770	15.773	(1.000)	990801	50.0000		
92 1,4-Dichlorobenzene	146	15.793	15.796	(1.001)	585360	20.0000	20.4	
93 N-Butylbenzene	91	16.200	16.202	(1.027)	619582	20.0000	21.1	
94 sec-Butylbenzene	105	15.387	15.390	(0.976)	874548	20.0000	21.4	
95 1,2-Dichlorobenzene	146	16.385	16.388	(1.039)	538527	20.0000	20.4	
96 1,2-Dibromo-3-Chloropropane	75	17.557	17.560	(1.113)	43798	20.0000	18.9	
97 1,3,5-Trichlorobenzene	180	17.615	17.618	(1.117)	311094	20.0000	19.0	
98 Hexachlorobutadiene	225	18.556	18.558	(1.177)	136769	20.0000	18.8	
99 1,2,4-Trichlorobenzene	180	18.579	18.581	(1.178)	265063	20.0000	20.0	
100 1,2,3-Trimethylbenzene	105	15.851	15.854	(1.005)	815353	20.0000	19.0	
101 Naphthalene	128	19.066	19.069	(1.209)	486256	20.0000	19.4	
102 1,2,3-Trichlorobenzene	180	19.345	19.347	(1.227)	164634	20.0000	19.2	
103 Methyl Acetate	43	4.315	4.317	(0.518)	206540	20.0000	18.2	
104 Methylcyclohexane	83	9.062	9.053	(1.088)	264497	20.0000	19.9	
M 153 Total Alkylbenzenes	100				5577297	20.0000	(a)	

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: \\Target_server\GG\chem\gcms-f.i\F090508.b\F1669.D
Report Date: 24-Sep-2008 15:12

Katahdin Analytical Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcms-f.i
Lab File ID: F1669.D
Lab Smp Id: VSTD020F05A
Analysis Type: VOA
Quant Type: ISTD
Operator: TTC
Method File: \\Target_server\GG\chem\gcms-f.i\F090508.b\F826a15.m
Misc Info: SW846 8260B

Calibration Date: 05-SEP-2008
Calibration Time: 12:34

Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 4

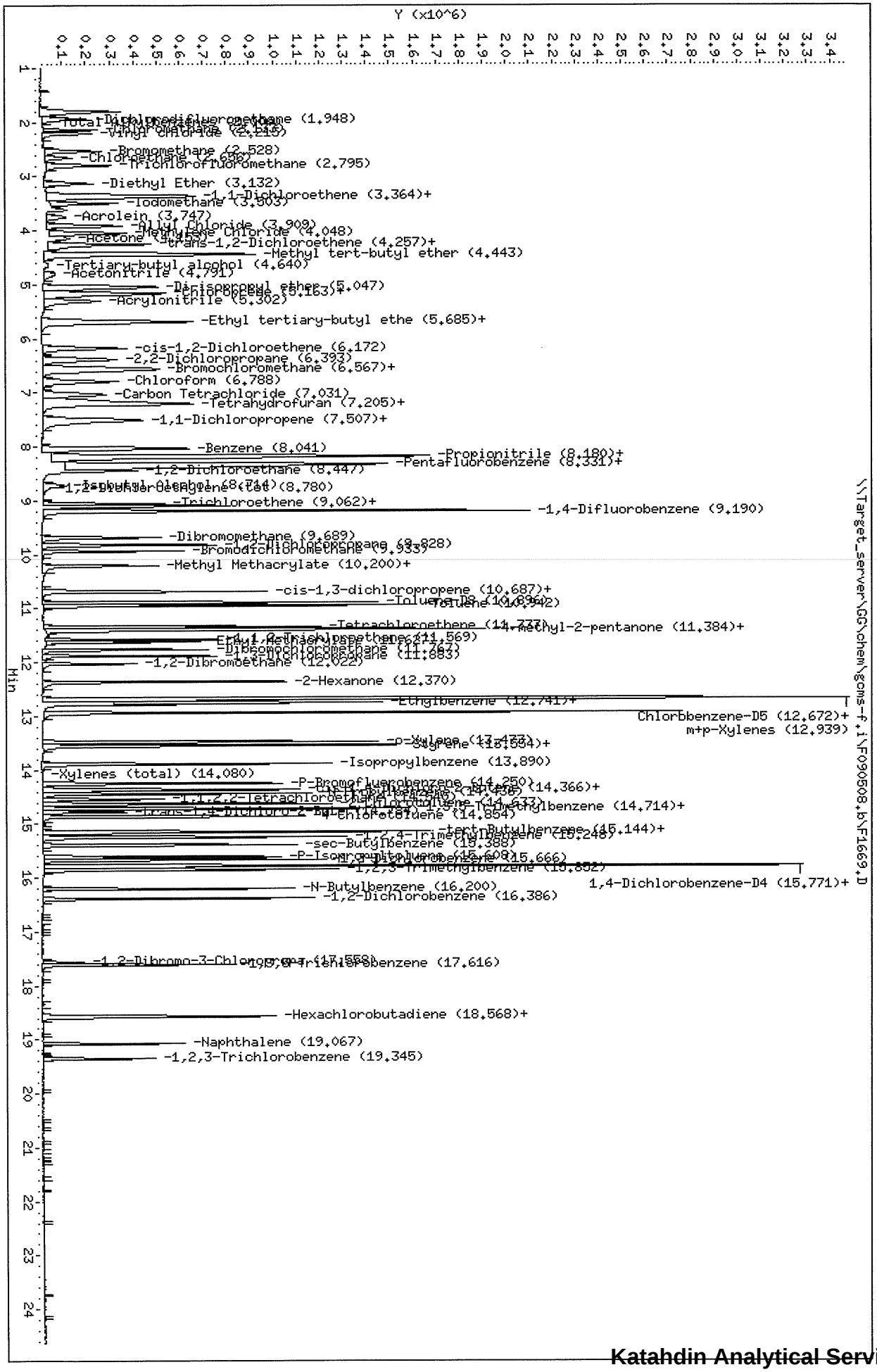
COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	1570003	785002	3140006	1519924	-3.19
49 1,4-Difluorobenze	2132057	1066029	4264114	2192444	2.83
66 Chlorobenzene-D5	1833881	916941	3667762	1798991	-1.90
91 1,4-Dichlorobenze	995936	497968	1991872	990801	-0.52

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	8.33	7.83	8.83	8.33	-0.02
49 1,4-Difluorobenze	9.19	8.69	9.69	9.19	-0.02
66 Chlorobenzene-D5	12.67	12.17	13.17	12.67	-0.02
91 1,4-Dichlorobenze	15.77	15.27	16.27	15.77	-0.01

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.

Data File: \\Target_server\GC\chem\gcms-f.i\F090508.b\F1669.D
Date : 05-SEP-2008 13:05
Client ID:
Sample Info: VSTD020F05A
Purge Volume: 5.0
Column phase: RTX-VMS

Instrument: gcms-f.i
Operator: TTC
Column diameter: 0.18



Data File: \\Target_server\GG\chem\gcms-f.i\F090508.b\F1670.D
Report Date: 24-Sep-2008 15:12

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gcms-f.i\F090508.b\F1670.D
Lab Smp Id: VSTD005F05A
Inj Date : 05-SEP-2008 13:35 MS Autotune Date: 02-SEP-2008 16:04
Operator : TTC Inst ID: gcms-f.i
Smp Info : VSTD005F05A
Misc Info : SW846 8260B
Comment :
Method : \\Target_server\GG\chem\gcms-f.i\F090508.b\F826a15.m
Meth Date : 10-Sep-2008 09:03 gcms-f.i Quant Type: ISTD
Cal Date : 05-SEP-2008 13:35 Cal File: F1670.D
Als bottle: 5 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.12

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	sample purged
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)	REVIEW CODE
1 Dichlorodifluoromethane	85	1.937	1.938	(0.233)	54930	5.00000	3.8	
2 Chloromethane	50	2.134	2.134	(0.256)	64480	5.00000	4.0	
3 Vinyl chloride	62	2.215	2.205	(0.266)	60018	5.00000	4.1	
4 Bromomethane	94	2.529	2.530	(0.304)	48241	5.00000	4.3	
5 Chloroethane	64	2.656	2.658	(0.319)	31482	5.00000	4.2	
6 Trichlorofluoromethane	101	2.796	2.797	(0.336)	78130	5.00000	4.0	
7 Diethyl Ether	59	3.132	3.134	(0.376)	53509	5.00000	5.7	
8 Tertiary-butyl alcohol	59	4.641	4.642	(0.557)	19716	25.0000	24.4	
9 1,1-Dichloroethene	96	3.341	3.342	(0.401)	39640	5.00000	4.0	
10 Carbon Disulfide	76	3.364	3.366	(0.404)	136469	5.00000	4.1	
11 Freon-113	151	3.388	3.389	(0.407)	58062	5.00000	6.8	
12 Iodomethane	142	3.504	3.505	(0.421)	97838	5.00000	3.9	
13 Acrolein	56	3.747	3.749	(0.450)	48737	25.0000	26.5	
14 Methylene Chloride	84	4.049	4.050	(0.486)	67637	5.00000	5.1	
15 Acetone	43	4.130	4.155	(0.496)	26301	25.0000	9.2	
16 Isobutyl Alcohol	43	8.726	8.704	(1.047)	41341	100.000	119	
17 trans-1,2-Dichloroethene	96	4.258	4.259	(0.511)	56955	5.00000	4.3	
18 Allyl Chloride	41	3.910	3.911	(0.469)	101052	5.00000	5.5	
19 Methyl tert-butyl ether	73	4.444	4.445	(0.533)	405077	10.0000	10.2	
20 Acetonitrile	39	4.780	4.782	(0.574)	2451	50.0000	78.4	
21 Di-isopropyl ether	45	5.047	5.049	(0.606)	282603	5.00000	6.4	
22 Chloroprene	53	5.152	5.153	(0.618)	123972	5.00000	6.8	
23 Propionitrile	54	8.146	8.159	(0.978)	67873	50.0000	49.2	
24 Methacrylonitrile	41	8.181	8.182	(0.982)	490144	50.0000	59.4	

Data File: \\Target_server\GG\chem\gcms-f.i\F090508.b\F1670.D
Report Date: 24-Sep-2008 15:12

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)	REVIEW CODE
	25 1,1-Dichloroethane	63	5.186	5.188	(0.623)	102947	5.00000	4.1	
	26 Acrylonitrile	52	5.303	5.304	(0.636)	105548	25.0000	27.1	
	27 Ethyl tertiary-butyl ether	59	5.686	5.687	(0.682)	280399	5.00000	5.8	
	28 Vinyl Acetate	43	5.686	5.687	(0.619)	130688	5.00000	4.5	
	29 cis-1,2-Dichloroethene	96	6.185	6.174	(0.742)	52902	5.00000	3.7	
M	30 1,2-Dichloroethylene (total)	96				109857	5.00000	(a)	
	31 Methyl Methacrylate	41	10.200	10.202	(1.110)	55278	5.00000	5.1	
	32 2,2-Dichloropropane	77	6.382	6.383	(0.766)	78542	5.00000	3.7	
	33 Bromochloromethane	128	6.579	6.592	(0.790)	33562	5.00000	4.0	
	34 Chloroform	83	6.800	6.789	(0.816)	112172	5.00000	4.0	
	35 Carbon Tetrachloride	117	7.032	7.033	(0.765)	72144	5.00000	3.8	
	36 Tetrahydrofuran	42	7.160	7.138	(0.859)	49018	25.0000	16.8	
$	37 Dibromofluoromethane	113	7.206	7.207	(0.865)	75128	5.00000	4.5	
	38 1,1,1-Trichloroethane	97	7.206	7.196	(0.865)	80713	5.00000	3.8	
	39 1,1-Dichloropropene	75	7.496	7.497	(0.816)	72121	5.00000	3.8	
	40 2-Butanone	43	7.566	7.544	(0.908)	95132	25.0000	22.1	
	41 Benzene	78	8.042	8.042	(0.875)	192169	5.00000	4.1	
*	42 Pentafluorobenzene	168	8.332	8.333	(1.000)	1530155	50.0000		
	43 Cyclohexane	56	6.544	6.546	(0.785)	63607	5.00000	3.9	
	44 Ethyl Methacrylate	69	11.628	11.629	(1.265)	83083	5.00000	5.4	
$	45 1,2-Dichloroethane-D4	65	8.320	8.321	(0.999)	87567	5.00000	4.5	
	46 Tertiary-amyl methyl ether	73	8.390	8.380	(1.007)	230269	5.00000	5.7	
	47 1,2-Dichloroethane	62	8.448	8.449	(0.919)	90310	5.00000	4.0	
	48 Trichloroethene	95	9.098	9.099	(0.990)	58093	5.00000	4.2	
*	49 1,4-Difluorobenzene	114	9.191	9.192	(1.000)	2058724	50.0000		
	50 Dibromomethane	93	9.690	9.679	(1.054)	37102	5.00000	3.9	
	51 1,2-Dichloropropane	63	9.829	9.819	(1.069)	56296	5.00000	4.3	
	52 Bromodichloromethane	83	9.945	9.935	(1.082)	83209	5.00000	4.1	
	53 cis-1,3-dichloropropene	75	10.688	10.689	(1.163)	92251	5.00000	4.2	
	54 1,4-Dioxane	88	10.212	10.213	(1.111)	29838	100.000	117	
$	55 Toluene-D8	98	10.897	10.886	(1.186)	186342	5.00000	4.8	
	56 2-Chloroethylvinylether	63	10.665	10.666	(1.160)	32350	5.00000	3.9	
	57 Toluene	92	10.943	10.944	(1.191)	112488	5.00000	4.2	
	58 4-methyl-2-pentanone	43	11.384	11.385	(1.239)	229937	25.0000	21.0	
	59 Tetrachloroethene	164	11.338	11.339	(0.895)	59852	5.00000	4.4	
	60 trans-1,3-Dichloropropene	75	11.407	11.409	(1.241)	73848	5.00000	3.8	
	61 1,1,2-Trichloroethane	83	11.570	11.571	(1.259)	38402	5.00000	3.9	
	62 Dibromochloromethane	129	11.767	11.768	(0.929)	69627	5.00000	4.9	
	63 1,3-Dichloropropane	76	11.883	11.873	(0.938)	84217	5.00000	4.0	
	64 1,2-Dibromoethane	107	12.022	12.024	(1.308)	54556	5.00000	4.0	
	65 2-Hexanone	43	12.371	12.360	(0.976)	149768	25.0000	19.0	
*	66 Chlorobenzene-D5	117	12.672	12.674	(1.000)	1778026	50.0000		
	67 Chlorobenzene	112	12.696	12.697	(1.002)	133338	5.00000	4.1	
	152 1-Chlorohexane	91	12.696	12.697	(1.524)	56966	5.00000	5.1	
	68 Ethylbenzene	106	12.742	12.743	(1.005)	60860	5.00000	3.9	
	69 1,1,1,2-Tetrachloroethane	131	12.777	12.778	(1.008)	54974	5.00000	3.8	
M	70 Xylenes (total)	106				230933	15.0000	(a)	
	71 m+p-Xylenes	106	12.939	12.941	(1.021)	158540	10.0000	8.4	
	72 o-Xylene	106	13.473	13.475	(1.063)	72393	5.00000	3.8	
	73 Styrene	104	13.543	13.544	(1.069)	130134	5.00000	4.0	
	74 Bromoform	173	13.554	13.556	(1.070)	41800	5.00000	4.4	
	75 Isopropylbenzene	105	13.891	13.892	(0.881)	152356	5.00000	4.0	
$	76 P-Bromofluorobenzene	95	14.251	14.241	(1.551)	80249	5.00000	4.7	
	77 cis-1,4-Dichloro-2-Butene	53	14.355	14.345	(0.910)	24867	5.00000	6.8	

Data File: \\Target_server\GG\chem\gcms-f.i\F090508.b\F1670.D
Report Date: 24-Sep-2008 15:12

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)	REVIEW CODE
78 trans-1,4-Dichloro-2-Butene	53	14.785	14.774	(0.937)	26916	5.00000	5.8	
79 Bromobenzene	156	14.378	14.368	(0.912)	70377	5.00000	4.4	
80 N-Propylbenzene	91	14.437	14.438	(0.915)	199754	5.00000	4.1	
81 1,1,2,2-Tetrachloroethane	83	14.541	14.542	(0.922)	54944	5.00000	4.2	
82 1,3,5-Trimethylbenzene	105	14.715	14.716	(0.933)	143278	5.00000	4.2	
83 2-Chlorotoluene	91	14.634	14.635	(0.928)	140418	5.00000	4.3	
84 1,2,3-Trichloropropane	75	14.703	14.705	(0.932)	47551	5.00000	4.4	
85 4-Chlorotoluene	91	14.854	14.856	(0.942)	137941	5.00000	4.1	
86 tert-Butylbenzene	119	15.144	15.146	(0.960)	160119	5.00000	4.7	
87 Pentachloroethane	117	15.156	15.157	(0.961)	46001	5.00000	6.0	
88 1,2,4-Trimethylbenzene	105	15.249	15.250	(0.967)	153974	5.00000	4.2	
89 P-Isopropyltoluene	119	15.609	15.610	(0.990)	141415	5.00000	4.3	
90 1,3-Dichlorobenzene	146	15.667	15.668	(0.993)	113455	5.00000	4.4	
* 91 1,4-Dichlorobenzene-D4	152	15.771	15.773	(1.000)	935096	50.0000		
92 1,4-Dichlorobenzene	146	15.794	15.796	(1.001)	111768	5.00000	4.1	
93 N-Butylbenzene	91	16.201	16.202	(1.027)	111245	5.00000	4.0	
94 sec-Butylbenzene	105	15.388	15.390	(0.976)	157667	5.00000	4.1	
95 1,2-Dichlorobenzene	146	16.386	16.388	(1.039)	104407	5.00000	4.2	
96 1,2-Dibromo-3-Chloropropane	75	17.559	17.560	(1.113)	8725	5.00000	4.0	
97 1,3,5-Trichlorobenzene	180	17.617	17.618	(1.117)	88444	5.00000	5.7	
98 Hexachlorobutadiene	225	18.557	18.558	(1.177)	32312	5.00000	4.7	
99 1,2,4-Trichlorobenzene	180	18.580	18.581	(1.178)	50538	5.00000	4.0	
100 1,2,3-Trimethylbenzene	105	15.852	15.854	(1.005)	242302	5.00000	6.0	
101 Naphthalene	128	19.067	19.069	(1.209)	98798	5.00000	4.2	
102 1,2,3-Trichlorobenzene	180	19.346	19.347	(1.227)	37193	5.00000	2.2	
103 Methyl Acetate	43	4.316	4.317	(0.518)	56863	5.00000	5.0	
104 Methylcyclohexane	83	9.051	9.053	(1.086)	80265	5.00000	6.0	
M 153 Total Alkylbenzenes	100				1067452	5.00000	(a)	

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: \\Target_server\GG\chem\gcms-f.i\F090508.b\F1670.D
Report Date: 24-Sep-2008 15:12

Katahdin Analytical Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcms-f.i
Lab File ID: F1670.D
Lab Smp Id: VSTD005F05A
Analysis Type: VOA
Quant Type: ISTD
Operator: TTC
Method File: \\Target_server\GG\chem\gcms-f.i\F090508.b\F826a15.m
Misc Info: SW846 8260B

Calibration Date: 05-SEP-2008
Calibration Time: 12:34

Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 4

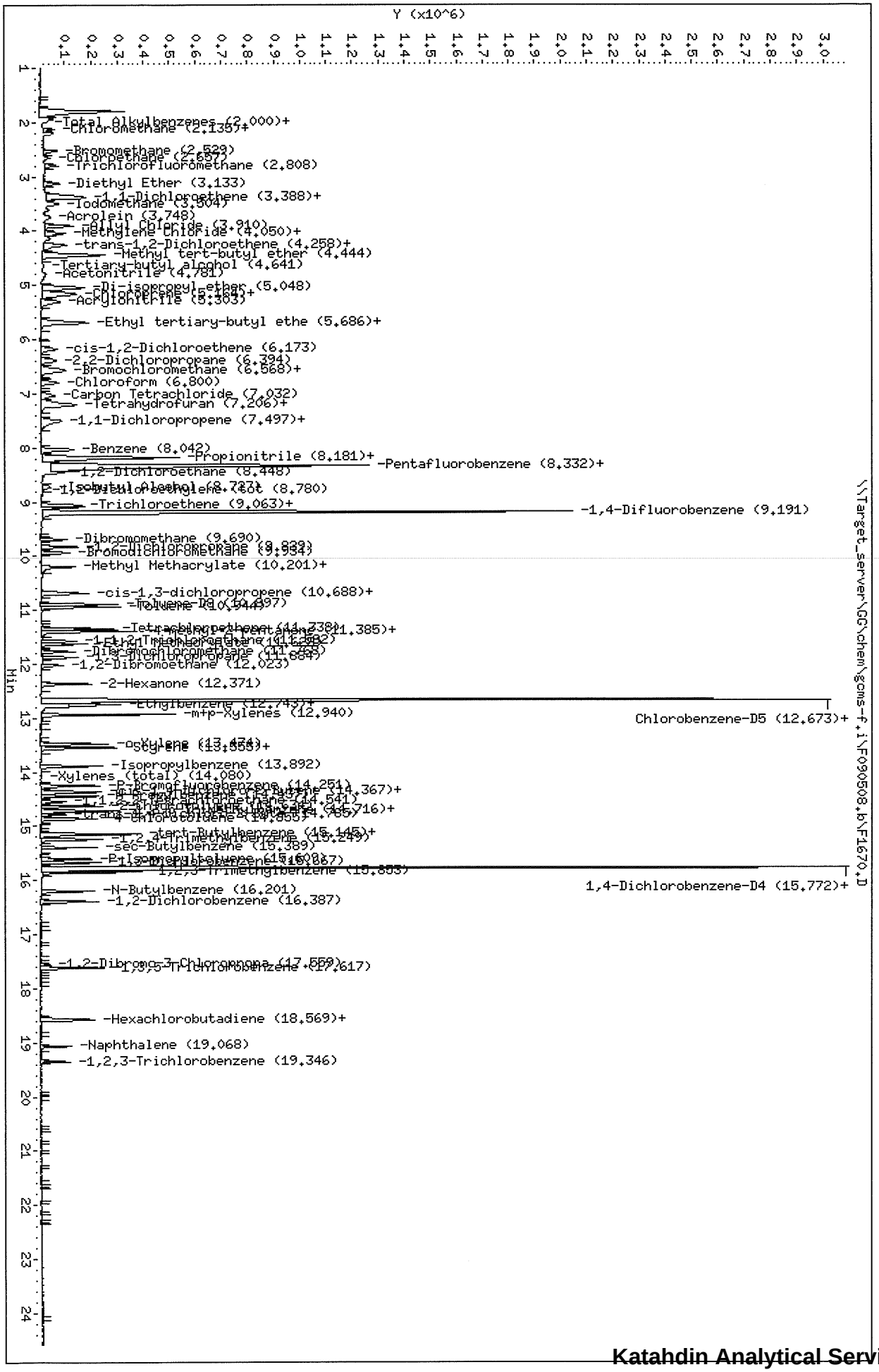
COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	1570003	785002	3140006	1530155	-2.54
49 1,4-Difluorobenze	2132057	1066029	4264114	2058724	-3.44
66 Chlorobenzene-D5	1833881	916941	3667762	1778026	-3.05
91 1,4-Dichlorobenze	995936	497968	1991872	935096	-6.11

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	8.33	7.83	8.83	8.33	-0.01
49 1,4-Difluorobenze	9.19	8.69	9.69	9.19	-0.01
66 Chlorobenzene-D5	12.67	12.17	13.17	12.67	-0.01
91 1,4-Dichlorobenze	15.77	15.27	16.27	15.77	-0.01

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.

Data File: \\Target_server\GC\chem\gcms-f.i\F090508.b\F1670.D
Date : 05-SEP-2008 13:35
Client ID:
Sample Info: VSTD005F05A
Purge Volume: 5.0
Column phase: RTX-VMS

Instrument: gcms-f.i
Operator: TTC
Column diameter: 0.18



Data File: \\Target_server\GG\chem\gcms-f.i\F090508.b\F1671.D
Report Date: 24-Sep-2008 15:12

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gcms-f.i\F090508.b\F1671.D
Lab Smp Id: VSTD001F05A
Inj Date : 05-SEP-2008 14:06 MS Autotune Date: 02-SEP-2008 16:04
Operator : TTC Inst ID: gcms-f.i
Smp Info : VSTD001F05A
Misc Info : SW846 8260B
Comment :
Method : \\Target_server\GG\chem\gcms-f.i\F090508.b\F826a15.m
Meth Date : 10-Sep-2008 09:03 gcms-f.i Quant Type: ISTD
Cal Date : 05-SEP-2008 14:06 Cal File: F1671.D
Als bottle: 6 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.12

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	sample purged
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)	REVIEW CODE
1 Dichlorodifluoromethane	85	1.941	1.938	(0.233)	12827	1.00000	0.92(a)	
2 Chloromethane	50	2.127	2.134	(0.255)	16717	1.00000	1.0	
3 Vinyl chloride	62	2.208	2.205	(0.265)	13655	1.00000	0.95(a)	
4 Bromomethane	94	2.533	2.530	(0.304)	13014	1.00000	1.2	
5 Chloroethane	64	2.661	2.658	(0.319)	7952	1.00000	1.1	
6 Trichlorofluoromethane	101	2.800	2.797	(0.336)	16582	1.00000	0.86(a)	
7 Diethyl Ether	59	3.136	3.134	(0.376)	7068	1.00000	0.77(a)	
8 Tertiary-butyl alcohol	59	4.657	4.642	(0.559)	7381	5.00000	18.7	
9 1,1-Dichloroethene	96	3.334	3.342	(0.400)	10110	1.00000	1.0	
10 Carbon Disulfide	76	3.369	3.366	(0.404)	31602	1.00000	0.96(a)	
11 Freon-113	151	3.369	3.389	(0.404)	7106	1.00000	2.4	
12 Iodomethane	142	3.496	3.505	(0.419)	21444	1.00000	0.87(a)	
13 Acrolein	56	3.763	3.749	(0.451)	6608	5.00000	3.7(a)	
14 Methylene Chloride	84	4.042	4.050	(0.485)	31113	1.00000	2.5(a)	
15 Acetone	43	4.146	4.155	(0.497)	13386	5.00000	4.8(a)	
16 Isobutyl Alcohol	43	8.707	8.704	(1.045)	4770	20.0000	71.0	
17 trans-1,2-Dichloroethene	96	4.251	4.259	(0.510)	12059	1.00000	0.93(a)	
18 Allyl Chloride	41	3.914	3.911	(0.470)	14371	1.00000	0.80(a)	
19 Methyl tert-butyl ether	73	4.436	4.445	(0.532)	65890	2.00000	1.7	
20 Acetonitrile	39	4.784	4.782	(0.574)	2995	10.0000	80.7	
21 Di-isopropyl ether	45	5.040	5.049	(0.605)	30725	1.00000	1.4	
22 Chloroprene	53	5.144	5.153	(0.617)	15208	1.00000	2.5	
23 Propionitrile	54	8.162	8.159	(0.979)	7289	10.0000	3.6(a)	
24 Methacrylonitrile	41	8.185	8.182	(0.982)	64686	10.0000	8.0(a)	

Data File: \\Target_server\GG\chem\gcms-f.i\F090508.b\F1671.D
Report Date: 24-Sep-2008 15:12

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)	REVIEW CODE
	25 1,1-Dichloroethane	63	5.191	5.188	(0.623)	22183	1.00000	0.91(a)	
	26 Acrylonitrile	52	5.295	5.304	(0.635)	14623	5.00000	3.8(a)	
	27 Ethyl tertiary-butyl ether	59	5.678	5.687	(0.681)	35479	1.00000	0.75(a)	
	28 Vinyl Acetate	43	5.690	5.687	(0.619)	25065	1.00000	0.88(a)	
	29 cis-1,2-Dichloroethene	96	6.189	6.174	(0.742)	12660	1.00000	0.92(a)	
M	30 1,2-Dichloroethylene (total)	96				24719	1.00000	(a)	
	31 Methyl Methacrylate	41	10.204	10.202	(1.110)	6289	1.00000	1.0	
	32 2,2-Dichloropropane	77	6.386	6.383	(0.766)	20171	1.00000	0.97(a)	
	33 Bromochloromethane	128	6.572	6.592	(0.788)	8429	1.00000	1.0	
	34 Chloroform	83	6.781	6.789	(0.813)	31984	1.00000	1.2	
	35 Carbon Tetrachloride	117	7.036	7.033	(0.765)	16966	1.00000	0.93(a)	
	36 Tetrahydrofuran	42	7.129	7.138	(0.855)	3179	5.00000	2.3(a)	
$	37 Dibromofluoromethane	113	7.210	7.207	(0.865)	12356	1.00000	0.75(a)	
	38 1,1,1-Trichloroethane	97	7.210	7.196	(0.865)	18050	1.00000	0.88(a)	
	39 1,1-Dichloropropene	75	7.500	7.497	(0.816)	18943	1.00000	1.0	
	40 2-Butanone	43	7.558	7.544	(0.907)	20191	5.00000	9.9	
	41 Benzene	78	8.034	8.042	(0.874)	44288	1.00000	0.97(a)	
*	42 Pentafluorobenzene	168	8.336	8.333	(1.000)	1498403	50.0000		
	43 Cyclohexane	56	6.560	6.546	(0.787)	14595	1.00000	0.91(a)	
	44 Ethyl Methacrylate	69	11.632	11.629	(1.265)	10689	1.00000	0.71(a)	
$	45 1,2-Dichloroethane-D4	65	8.313	8.321	(0.997)	16573	1.00000	0.86(a)	
	46 Tertiary-amyl methyl ether	73	8.382	8.380	(1.006)	27483	1.00000	0.78(a)	
	47 1,2-Dichloroethane	62	8.452	8.449	(0.919)	23364	1.00000	1.1(M)	M10
	48 Trichloroethene	95	9.090	9.099	(0.989)	13862	1.00000	1.0	
*	49 1,4-Difluorobenzene	114	9.195	9.192	(1.000)	1998366	50.0000		
	50 Dibromomethane	93	9.694	9.679	(1.054)	9175	1.00000	1.00	
	51 1,2-Dichloropropane	63	9.821	9.819	(1.068)	12714	1.00000	1.0	SKD 092406
	52 Bromodichloromethane	83	9.938	9.935	(1.081)	17746	1.00000	0.90(a)	
	53 cis-1,3-dichloropropene	75	10.692	10.689	(1.163)	20893	1.00000	0.97(a)	
	54 1,4-Dioxane	88	10.216	10.213	(1.111)	14024	20.0000	56.6	
$	55 Toluene-D8	98	10.889	10.886	(1.184)	32790	1.00000	0.86(a)	
	56 2-Chloroethylvinylether	63	10.669	10.666	(1.160)	7501	1.00000	0.93(a)	
	57 Toluene	92	10.947	10.944	(1.191)	25088	1.00000	0.97(a)	
	58 4-methyl-2-pentanone	43	11.388	11.385	(1.239)	52214	5.00000	4.9(a)	
	59 Tetrachloroethene	164	11.342	11.339	(0.896)	13899	1.00000	1.1	
	60 trans-1,3-Dichloropropene	75	11.412	11.409	(1.241)	18215	1.00000	0.98(a)	
	61 1,1,2-Trichloroethane	83	11.574	11.571	(1.259)	10312	1.00000	1.1	
	62 Dibromochloromethane	129	11.771	11.768	(0.929)	13304	1.00000	2.1	
	63 1,3-Dichloropropane	76	11.876	11.873	(0.938)	18276	1.00000	0.91(a)	
	64 1,2-Dibromoethane	107	12.027	12.024	(1.308)	11584	1.00000	0.88(aM)	M10
	65 2-Hexanone	43	12.363	12.360	(0.976)	38322	5.00000	5.1	
*	66 Chlorobenzene-D5	117	12.665	12.674	(1.000)	1706597	50.0000		
	67 Chlorobenzene	112	12.688	12.697	(1.002)	34016	1.00000	1.1	
	152 1-Chlorohexane	91	12.700	12.697	(1.523)	20076	1.00000	3.5	
	68 Ethylbenzene	106	12.746	12.743	(1.006)	15115	1.00000	1.0	
	69 1,1,1,2-Tetrachloroethane	131	12.781	12.778	(1.009)	12894	1.00000	0.93(aM)	M10
M	70 Xylenes (total)	106				54061	5.00000	(a)	
	71 m+p-Xylenes	106	12.932	12.941	(1.021)	36521	2.00000	2.0	
	72 o-Xylene	106	13.477	13.475	(1.064)	17540	1.00000	0.97(a)	
	73 Styrene	104	13.547	13.544	(1.070)	27913	1.00000	0.90(a)	
	74 Bromoform	173	13.559	13.556	(1.071)	9700	1.00000	2.0(T)	
	75 Isopropylbenzene	105	13.895	13.892	(0.881)	37000	1.00000	0.97(a)	
$	76 P-Bromofluorobenzene	95	14.243	14.241	(1.549)	14766	1.00000	0.89(a)	
	77 cis-1,4-Dichloro-2-Butene	53	14.359	14.345	(0.910)	2950	1.00000	2.8	

Data File: \\Target_server\GG\chem\gcms-f.i\F090508.b\F1671.D
Report Date: 24-Sep-2008 15:12

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)	REVIEW CODE
78	trans-1,4-Dichloro-2-Butene	53	14.777	14.774	(0.937)	3959	1.00000	0.86(a)	
79	Bromobenzene	156	14.371	14.368	(0.911)	15106	1.00000	0.95(a)	
80	N-Propylbenzene	91	14.441	14.438	(0.915)	49841	1.00000	1.0	
81	1,1,2,2-Tetrachloroethane	83	14.545	14.542	(0.922)	12408	1.00000	0.96(a)	
82	1,3,5-Trimethylbenzene	105	14.719	14.716	(0.933)	32706	1.00000	0.95(a)	
83	2-Chlorotoluene	91	14.626	14.635	(0.927)	29890	1.00000	0.92(a)	
84	1,2,3-Trichloropropane	75	14.708	14.705	(0.932)	10906	1.00000	1.0	
85	4-Chlorotoluene	91	14.859	14.856	(0.942)	31935	1.00000	0.95(a)	
86	tert-Butylbenzene	119	15.149	15.146	(0.960)	30404	1.00000	0.90(a)	
87	Pentachloroethane	117	15.149	15.157	(0.960)	4433	1.00000	1.2	
88	1,2,4-Trimethylbenzene	105	15.242	15.250	(0.966)	31320	1.00000	0.87(a)	
89	P-Isopropyltoluene	119	15.601	15.610	(0.989)	29460	1.00000	0.91(a)	
90	1,3-Dichlorobenzene	146	15.671	15.668	(0.993)	26646	1.00000	1.0	
* 91	1,4-Dichlorobenzene-D4	152	15.775	15.773	(1.000)	931721	50.0000		
92	1,4-Dichlorobenzene	146	15.799	15.796	(1.001)	28340	1.00000	1.0	
93	N-Butylbenzene	91	16.205	16.202	(1.027)	25651	1.00000	0.93(a)	
94	sec-Butylbenzene	105	15.392	15.390	(0.976)	36014	1.00000	0.94(a)	
95	1,2-Dichlorobenzene	146	16.391	16.388	(1.039)	24912	1.00000	1.0	
96	1,2-Dibromo-3-Chloropropane	75	17.563	17.560	(1.113)	2272	1.00000	1.0	
97	1,3,5-Trichlorobenzene	180	17.609	17.618	(1.116)	13809	1.00000	0.90(a)	
98	Hexachlorobutadiene	225	18.561	18.558	(1.177)	8374	1.00000	1.2	
99	1,2,4-Trichlorobenzene	180	18.572	18.581	(1.177)	14406	1.00000	1.2	
100	1,2,3-Trimethylbenzene	105	15.857	15.854	(1.005)	34226	1.00000	0.85(a)	
101	Naphthalene	128	19.072	19.069	(1.209)	28553	1.00000	1.2	
102	1,2,3-Trichlorobenzene	180	19.350	19.347	(1.227)	10671	1.00000	(a)	
103	Methyl Acetate	43	4.309	4.317	(0.517)	11084	1.00000	0.99(a)	
104	Methylcyclohexane	83	9.056	9.053	(1.086)	9880	1.00000	0.75(a)	
M 153	Total Alkylbenzenes	100				235396	1.00000	(a)	

QC Flag Legend

T - Target compound detected outside RT window.
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
M - Compound response manually integrated.

Data File: \\Target_server\GG\chem\gcms-f.i\F090508.b\F1671.D
Report Date: 24-Sep-2008 15:12

Katahdin Analytical Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcms-f.i
Lab File ID: F1671.D
Lab Smp Id: VSTD001F05A
Analysis Type: VOA
Quant Type: ISTD
Operator: TTC
Method File: \\Target_server\GG\chem\gcms-f.i\F090508.b\F826a15.m
Misc Info: SW846 8260B

Calibration Date: 05-SEP-2008
Calibration Time: 12:34

Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 4

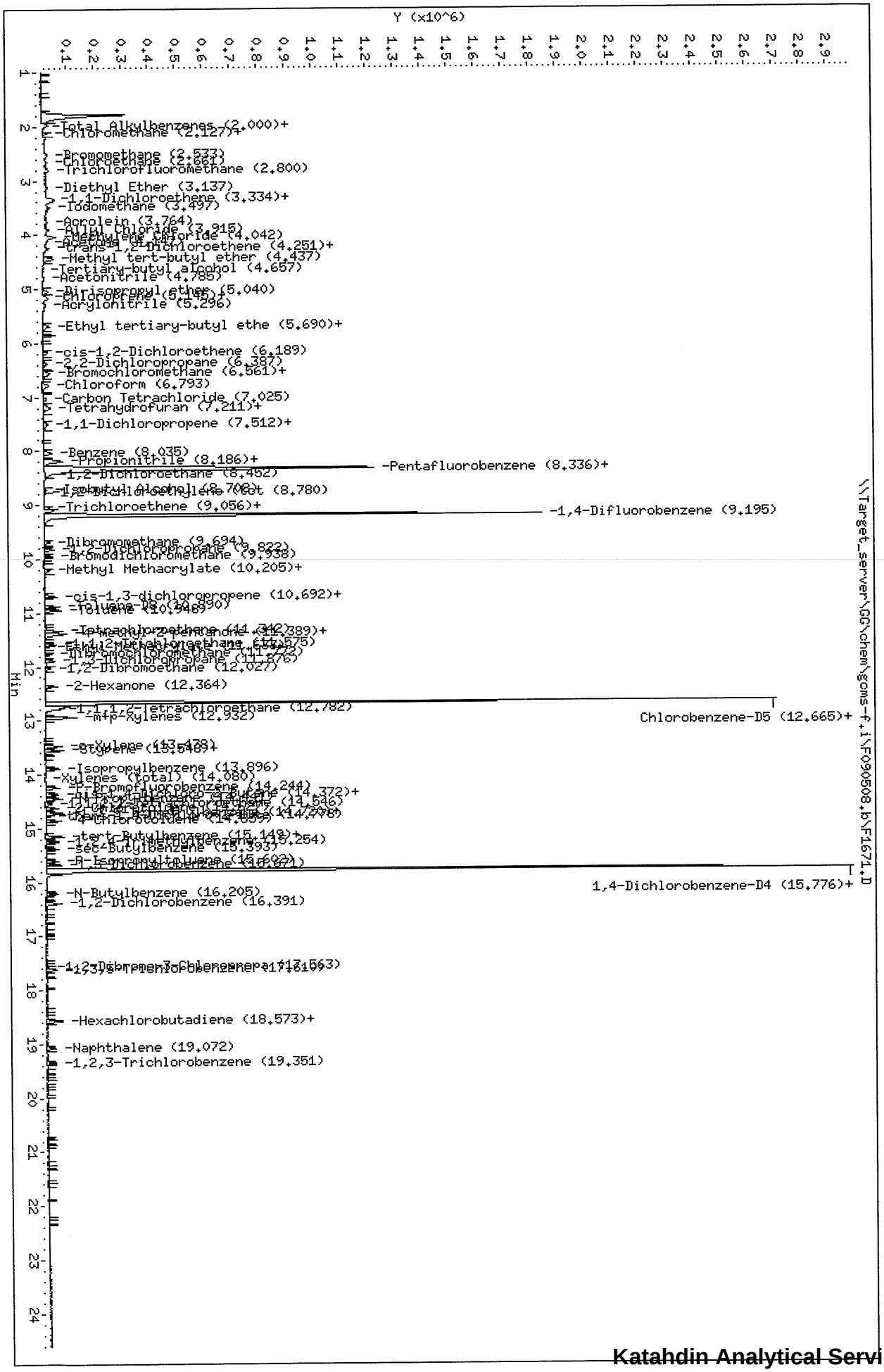
COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	1570003	785002	3140006	1498403	-4.56
49 1,4-Difluorobenze	2132057	1066029	4264114	1998366	-6.27
66 Chlorobenzene-D5	1833881	916941	3667762	1706597	-6.94
91 1,4-Dichlorobenze	995936	497968	1991872	931721	-6.45

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	8.33	7.83	8.83	8.34	0.04
49 1,4-Difluorobenze	9.19	8.69	9.69	9.20	0.04
66 Chlorobenzene-D5	12.67	12.17	13.17	12.67	-0.07
91 1,4-Dichlorobenze	15.77	15.27	16.27	15.78	0.02

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.

Data File: \\Target_server\GC\chem\gcms-f.i\F090508.b\F1671.D
Date : 05-SEP-2008 14:06
Client ID:
Sample Info: VSTD001F05A
Purge Volume: 5.0
Column phase: RTX-VMS

Instrument: gcms-f.i
Operator: TTC
Column diameter: 0.18



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Report Date: 24-Sep-2008 15:12

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gcms-f.i\F090508.b\F1674.D
Lab Smp Id: INDCHECK
Inj Date : 05-SEP-2008 15:38 MS Autotune Date: 02-SEP-2008 16:04
Operator : TTC Inst ID: gcms-f.i
Smp Info : INDCHECK
Misc Info :
Comment :
Method : \\TARGET_SERVER\GG\chem\gcms-f.i\F090508.b\F826A15.m
Meth Date : 10-Sep-2008 09:03 gcms-f.i Quant Type: ISTD
Cal Date : 05-SEP-2008 14:06 Cal File: F1671.D
Als bottle: 9
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.12
Processing Host: TARGET_SERVER

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)	REVIEW CODE
1 Dichlorodifluoromethane	85	1.937	1.938	(0.232)	854248	66.8235	66.8	
2 Chloromethane	50	2.134	2.134	(0.256)	824871	56.8122	56.8	
3 Vinyl chloride	62	2.203	2.205	(0.265)	780120	59.3212	59.3	
4 Bromomethane	94	2.528	2.530	(0.304)	518271	51.3029	51.3	
5 Chloroethane	64	2.656	2.658	(0.319)	371814	55.8066	55.8	
6 Trichlorofluoromethane	101	2.795	2.797	(0.336)	1116905	63.6087	63.6	
7 Diethyl Ether	59	3.132	3.134	(0.376)	387554	46.3249	46.3	
8 Tertiary-butyl alcohol	59	4.618	4.642	(0.554)	27864	30.3247	30.3	
9 1,1-Dichloroethene	96	3.341	3.342	(0.401)	469272	52.7235	52.7	
10 Carbon Disulfide	76	3.364	3.366	(0.404)	1820247	60.7869	60.8	
11 Freon-113	151	3.387	3.389	(0.407)	365643	37.6523	37.6	
12 Iodomethane	142	3.503	3.505	(0.421)	1249541	55.4061	55.4	
13 Acrolein	56	3.747	3.749	(0.450)	347227	211.142	211	
14 Methylene Chloride	84	4.049	4.050	(0.486)	552503	45.6500	45.6	
15 Acetone	43	4.142	4.155	(0.497)	130430	50.9007	50.9	
16 Isobutyl Alcohol	43	8.714	8.704	(1.046)	90780	218.921	219	
17 trans-1,2-Dichloroethene	96	4.258	4.259	(0.511)	625432	52.7250	52.7	
18 Allyl Chloride	41	3.910	3.911	(0.469)	683447	41.9062	41.9	
19 Methyl tert-butyl ether	73	4.443	4.445	(0.533)	3624437	102.155	102	
20 Acetonitrile	39	4.815	4.782	(0.578)	69104	368.192	368	
21 Di-isopropyl ether	45	5.047	5.049	(0.606)	1889529	42.4281	42.4	
22 Chloroprene	53	5.151	5.153	(0.618)	1002933	46.8342	46.8	
23 Propionitrile	54	8.146	8.159	(0.978)	492559	413.055	413	

Data File: \\Target_server\GG\chem\gcms-f.i\F090508.b\F1674.D
Report Date: 24-Sep-2008 15:12

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	CONCENTRATIONS FINAL (ug/l)	REVIEW CODE
	24 Methacrylonitrile	41	8.192	8.182	(0.983)	3628046	491.675	492	
	25 1,1-Dichloroethane	63	5.186	5.188	(0.623)	1231400	55.2660	55.3	
	26 Acrylonitrile	52	5.291	5.304	(0.635)	753793	216.447	216	
	27 Ethyl tertiary-butyl ether	59	5.685	5.687	(0.682)	2012688	46.5556	46.6	
	28 Vinyl Acetate	43	5.697	5.687	(0.620)	1224153	44.3028	44.3	
	29 cis-1,2-Dichloroethene	96	6.184	6.174	(0.742)	671286	53.0974	53.1	
M	30 1,2-Dichloroethylene (total)	96				1296718	105.822	106	
	31 Methyl Methacrylate	41	10.200	10.202	(1.110)	503779	45.5825	45.6	
	32 2,2-Dichloropropane	77	6.393	6.383	(0.767)	923348	48.4776	48.5	
	33 Bromochloromethane	128	6.591	6.592	(0.791)	420569	55.2985	55.3	
	34 Chloroform	83	6.799	6.789	(0.816)	1255358	50.7514	50.8	
	35 Carbon Tetrachloride	117	7.032	7.033	(0.765)	952664	53.8391	53.8	
	36 Tetrahydrofuran	42	7.159	7.138	(0.859)	111805	40.8731	40.9	
$	37 Dibromofluoromethane	113	7.507	7.207	(0.901)	13588	0.90221	0.90(aR)	
	38 1,1,1-Trichloroethane	97	7.206	7.196	(0.865)	1035870	55.1692	55.2	
	39 1,1-Dichloropropene	75	7.496	7.497	(0.816)	912506	51.5246	51.5	
	40 2-Butanone	43	7.554	7.544	(0.907)	213008	45.4301	45.4	
	41 Benzene	78	8.041	8.042	(0.875)	2339208	52.6531	52.6	
*	42 Pentafluorobenzene	168	8.331	8.333	(1.000)	1369678	50.0000		
	43 Cyclohexane	56	6.556	6.546	(0.787)	681540	46.5399	46.5	
	44 Ethyl Methacrylate	69	11.628	11.629	(1.265)	755025	51.3991	51.4	
$	45 1,2-Dichloroethane-D4	65	8.448	8.321	(1.014)	34445	1.96590	2.0(R)	
	46 Tertiary-amyl methyl ether	73	8.378	8.380	(1.006)	1716913	46.4851	46.5	
	47 1,2-Dichloroethane	62	8.448	8.449	(0.919)	1094823	51.8827	51.9	
	48 Trichloroethene	95	9.097	9.099	(0.990)	660066	50.4028	50.4	
*	49 1,4-Difluorobenzene	114	9.190	9.192	(1.000)	1947470	50.0000		
	50 Dibromomethane	93	9.689	9.679	(1.054)	462241	51.6862	51.7	
	51 1,2-Dichloropropane	63	9.829	9.819	(1.069)	628956	51.0287	51.0	
	52 Bromodichloromethane	83	9.933	9.935	(1.081)	955857	49.8944	49.9	
	53 cis-1,3-dichloropropene	75	10.687	10.689	(1.163)	1035341	49.4212	49.4	
	54 1,4-Dioxane	88	10.223	10.213	(1.112)	9115	37.7664	37.8	
	56 2-Chloroethylvinylether	63	10.664	10.666	(1.160)	409431	52.0917	52.1	
	57 Toluene	92	10.943	10.944	(1.191)	1306946	52.0225	52.0	
	58 4-methyl-2-pentanone	43	11.384	11.385	(1.239)	534263	51.6387	51.6	
	59 Tetrachloroethene	164	11.337	11.339	(0.895)	669514	53.1919	53.2	
	60 trans-1,3-Dichloropropene	75	11.407	11.409	(1.241)	1007418	55.5960	55.6	
	61 1,1,2-Trichloroethane	83	11.570	11.571	(1.259)	456201	48.8337	48.8	
	62 Dibromochloromethane	129	11.767	11.768	(0.929)	862358	46.7908	46.8	
	63 1,3-Dichloropropane	76	11.883	11.873	(0.938)	989458	51.2714	51.3	
	64 1,2-Dibromoethane	107	12.022	12.024	(1.308)	640484	50.1896	50.2	
	65 2-Hexanone	43	12.359	12.360	(0.975)	358336	49.0852	49.1	
*	66 Chlorobenzene-D5	117	12.672	12.674	(1.000)	1646162	50.0000		
	67 Chlorobenzene	112	12.695	12.697	(1.002)	1576509	52.4989	52.5	
	152 1-Chlorohexane	91	12.695	12.697	(1.524)	714737	43.7730	43.8	
	68 Ethylbenzene	106	12.753	12.743	(1.006)	742802	51.9564	52.0	
	69 1,1,1,2-Tetrachloroethane	131	12.777	12.778	(1.008)	679564	50.7950	50.8	
M	70 Xylenes (total)	106				2736274	156.929	157	
	71 m+p-Xylenes	106	12.939	12.941	(1.021)	1821532	104.341	104	
	72 o-Xylene	106	13.473	13.475	(1.063)	914742	52.5875	52.6	
	73 Styrene	104	13.543	13.544	(1.069)	1626713	54.5446	54.5	
	74 Bromoform	173	13.566	13.556	(1.071)	556969	46.9341	46.9	
	75 Isopropylbenzene	105	13.891	13.892	(0.880)	2154361	56.8301	56.8	
$	76 P-Bromofluorobenzene	95	14.541	14.241	(1.582)	99929	6.17144	6.2(R)	
	77 cis-1,4-Dichloro-2-Butene	53	14.355	14.345	(0.910)	217688	42.7003	42.7	

Data File: \\Target_server\GG\chem\gcms-f.i\F090508.b\F1674.D
Report Date: 24-Sep-2008 15:12

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	CONCENTRATIONS FINAL (ug/l)	REVIEW CODE
	78 trans-1,4-Dichloro-2-Butene	53	14.784	14.774	(0.937)	210723	45.8306	45.8	
	79 Bromobenzene	156	14.378	14.368	(0.911)	780542	49.1284	49.1	
	80 N-Propylbenzene	91	14.448	14.438	(0.915)	2532357	52.2948	52.3	
	81 1,1,2,2-Tetrachloroethane	83	14.541	14.542	(0.921)	614591	47.3892	47.4	
	82 1,3,5-Trimethylbenzene	105	14.726	14.716	(0.933)	1852936	54.1892	54.2	
	83 2-Chlorotoluene	91	14.634	14.635	(0.927)	1691211	52.4381	52.4	
	84 1,2,3-Trichloropropane	75	14.703	14.705	(0.932)	533425	49.2199	49.2	
	85 4-Chlorotoluene	91	14.866	14.856	(0.942)	1757807	52.4030	52.4	
	86 tert-Butylbenzene	119	15.144	15.146	(0.960)	1660861	49.2689	49.3	
	87 Pentachloroethane	117	15.156	15.157	(0.960)	342138	40.7162	40.7	
	88 1,2,4-Trimethylbenzene	105	15.249	15.250	(0.966)	1833495	50.9087	50.9	
	89 P-Isopropyltoluene	119	15.608	15.610	(0.989)	1752307	54.0231	54.0	
	90 1,3-Dichlorobenzene	146	15.666	15.668	(0.993)	1298612	50.2977	50.3	
*	91 1,4-Dichlorobenzene-D4	152	15.783	15.773	(1.000)	930180	50.0000		
	92 1,4-Dichlorobenzene	146	15.794	15.796	(1.001)	1366967	50.8287	50.8	
	93 N-Butylbenzene	91	16.200	16.202	(1.026)	1401687	50.8176	50.8	
	94 sec-Butylbenzene	105	15.388	15.390	(0.975)	1911080	49.9313	49.9	
	95 1,2-Dichlorobenzene	146	16.386	16.388	(1.038)	1214857	49.1242	49.1	
	96 1,2-Dibromo-3-Chloropropane	75	17.558	17.560	(1.113)	101707	46.7278	46.7	
	97 1,3,5-Trichlorobenzene	180	17.616	17.618	(1.116)	692504	45.1460	45.1	
	98 Hexachlorobutadiene	225	18.556	18.558	(1.176)	275950	40.4637	40.5	
	99 1,2,4-Trichlorobenzene	180	18.580	18.581	(1.177)	571123	45.8369	45.8	
	100 1,2,3-Trimethylbenzene	105	15.852	15.854	(1.004)	1826877	45.4100	45.4	
	101 Naphthalene	128	19.067	19.069	(1.208)	1020896	43.4107	43.4	
	102 1,2,3-Trichlorobenzene	180	19.346	19.347	(1.226)	329406	44.4365	44.4	
	103 Methyl Acetate	43	4.316	4.317	(0.518)	421956	41.1829	41.2	
	104 Methylcyclohexane	83	9.063	9.053	(1.088)	527904	44.0935	44.1	
M	153 Total Alkylbenzenes	100				12944723	361.434	361	

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
R - Spike/Surrogate failed recovery limits.

Data File: \\Target_server\GG\chem\gcms-f.i\F090508.b\F1674.D
Report Date: 24-Sep-2008 15:12

Katahdin Analytical Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcms-f.i
Lab File ID: F1674.D
Lab Smp Id: INDCHECK
Analysis Type: VOA
Quant Type: ISTD
Operator: TTC
Method File: \\TARGET_SERVER\GG\chem\gcms-f.i\F090508.b\F826A15.m
Misc Info:

Calibration Date: 05-SEP-2008
Calibration Time: 12:34

Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 4

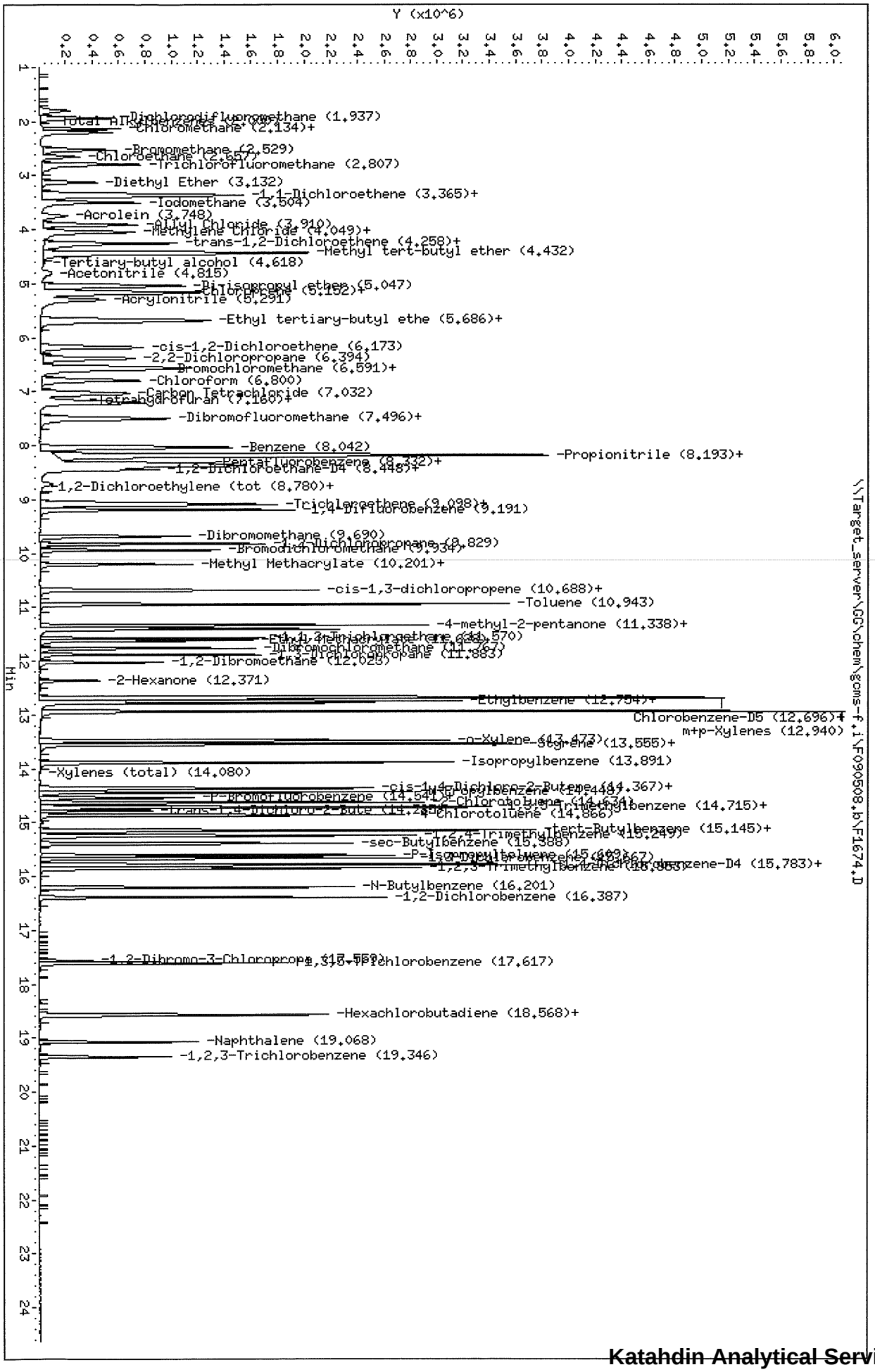
COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	1570003	785002	3140006	1369678	-12.76
49 1,4-Difluorobenze	2132057	1066029	4264114	1947470	-8.66
66 Chlorobenzene-D5	1833881	916941	3667762	1646162	-10.24
91 1,4-Dichlorobenze	995936	497968	1991872	930180	-6.60

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	8.33	7.83	8.83	8.33	-0.01
49 1,4-Difluorobenze	9.19	8.69	9.69	9.19	-0.01
66 Chlorobenzene-D5	12.67	12.17	13.17	12.67	-0.01
91 1,4-Dichlorobenze	15.77	15.27	16.27	15.78	0.07

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.

Data File: \\Target_server\GC\chem\gcms-f.i\F090508.b\F1674.D
Date : 05-SEP-2008 15:38
Client ID:
Sample Info: INDCHECK
Purge Volume: 5.0
Column phase: RTX-VMS

Instrument: gcms-f.i
Operator: TTC
Column diameter: 0.18



FORM 6
VOLATILE INITIAL CALIBRATION DATA

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project CTO 426 NLON SDG No.: CTO426-5

Instrument ID: GCMS-S Calibration Date(s): 09/10/08 09/10/08

Column: RTX-VMS ID: 0.18 (mm) Calibration Time(s): 1422 1657

LAB FILE ID: RF1: S2831 RF5: S2830 RF20: S2829
RF50: S2828 RF100: S2827 RF200: S2826

COMPOUND	RF1	RF5	RF20	RF50	RF100	RF200	CURVE	COEFF. A1	%RSD OR R^2	MAX %RSD OR R^2
Methyl tert-butyl ether	1.225	1.131	1.250	1.211	1.222	1.227	AVRG	1.21095391	3.389	15.000
Benzene	1.446	1.194	1.224	1.206	1.261	1.203	AVRG	1.25568823	7.659	15.000
Toluene	0.816	0.704	0.708	0.682	0.722	0.678	AVRG	0.71819467	7.026	15.000
Ethylbenzene	0.522	0.447	0.481	0.464	0.486	0.478	AVRG	0.47947898	5.227	15.000
Xylenes (total)							AVRG			0.000
m+p-Xylenes	0.668	0.554	0.595	0.566	0.577	0.549	AVRG	0.58499720	7.536	15.000
o-Xylene	0.647	0.546	0.602	0.585	0.616	0.595	AVRG	0.59851723	5.603	15.000
Isopropylbenzene	2.924	2.417	2.596	2.600	2.509	2.435	AVRG	2.58001302	7.174	15.000
Naphthalene	2.514	1.882	1.896	1.839	1.894	1.713	AVRG	1.95650807	14.402	15.000
Dibromofluoromethane	0.542	0.508	0.600	0.546	0.570	0.584	AVRG	0.55834291	5.917	15.000
1,2-Dichloroethane-D4	0.720	0.550	0.619	0.574	0.591	0.584	AVRG	0.60627033	9.916	15.000
Toluene-D8	1.107	1.004	1.104	1.001	1.033	0.970	AVRG	1.03647113	5.499	15.000
P-Bromofluorobenzene	0.469	0.406	0.440	0.410	0.404	0.400	AVRG	0.42171979	6.502	15.000

Average %RSD test result.

Calculate Average %RSD: 7.300212860
Maximum Average %RSD: 15.00000000

Note: Passes Average %RSD Test.

FORM VI VOA

Data File: \\Target_server\GG\chem\gcms-s.i\S091008B.b\S2826.D
Report Date: 24-Sep-2008 15:23

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gcms-s.i\S091008B.b\S2826.D
Lab Smp Id: VSTD200S10A
Inj Date : 10-SEP-2008 14:22
Operator : SKT Inst ID: gcms-s.i
Smp Info : VSTD200S10A
Misc Info : SW846 8260B
Comment :
Method : \\target_server\GG\chem\gcms-s.i\S091008B.b\s826a63.m
Meth Date : 17-Sep-2008 13:26 sthompson Quant Type: ISTD
Cal Date : 10-SEP-2008 14:22 Cal File: S2826.D
Als bottle: 2 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.12
Processing Host: V200T3

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	sample purged
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)	REVIEW CODE
1 Dichlorodifluoromethane	85	2.136	2.146	(0.237)	1107299	200.000	220(A)	
2 Chloromethane	50	2.357	2.356	(0.261)	1518876	200.000	214(A)	
3 Vinyl chloride	62	2.450	2.449	(0.272)	1260532	200.000	215(A)	
4 Bromomethane	94	2.822	2.821	(0.313)	537265	200.000	210(A)	
5 Chloroethane	64	2.962	2.972	(0.328)	462508	200.000	185	
6 Trichlorofluoromethane	101	3.113	3.123	(0.345)	1097008	200.000	209(A)	
7 Diethyl Ether	59	3.509	3.507	(0.389)	717039	200.000	204(A)	
8 Tertiary-butyl alcohol	59	5.288	5.298	(0.586)	284417	1000.00	975	
9 1,1-Dichloroethene	96	3.753	3.751	(0.416)	726381	200.000	206(A)	
10 Carbon Disulfide	76	3.788	3.786	(0.420)	2506507	200.000	206(A)	
11 Freon-113	151	3.811	3.821	(0.422)	595516	200.000	210(A)	
12 Iodomethane	142	3.951	3.949	(0.438)	990253	200.000	210(A)	
13 Acrolein	56	4.241	4.240	(0.470)	816046	1000.00	1030(A)	
14 Methylene Chloride	84	4.590	4.600	(0.509)	929856	200.000	205(A)	
15 Acetone	43	4.695	4.693	(0.520)	1502344	1000.00	1060(A)	
16 Isobutyl Alcohol	43	9.335	9.333	(1.035)	590468	4000.00	3880	
17 trans-1,2-Dichloroethene	96	4.834	4.833	(0.536)	861035	200.000	207(A)	
18 Allyl Chloride	41	4.416	4.426	(0.490)	1646021	200.000	208(A)	
19 Methyl tert-butyl ether	73	5.032	5.042	(0.558)	4361498	400.000	403(A)	
20 Acetonitrile	39	5.486	5.472	(0.608)	213236	2000.00	2030(A)	
21 Di-isopropyl ether	45	5.741	5.740	(0.636)	4053733	200.000	205(A)	
22 Chloroprene	53	5.869	5.868	(0.651)	1567699	200.000	205(A)	
23 Propionitrile	54	8.916	8.891	(0.988)	1031009	2000.00	1900	

Data File: \\Target_server\GG\chem\gcms-s.i\S091008B.b\S2826.D
Report Date: 24-Sep-2008 15:23

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)	REVIEW COD
	24 Methacrylonitrile	41	8.928	8.915	(0.990)	5309362	2000.00	1850	
	25 1,1-Dichloroethane	63	5.928	5.914	(0.657)	1777501	200.000	205(A)	
	26 Acrylonitrile	52	6.055	6.054	(0.671)	1547321	1000.00	1010(A)	
	27 Ethyl tertiary-butyl ether	59	6.497	6.496	(0.720)	3307214	200.000	206(A)	
	28 Vinyl Acetate	43	6.509	6.507	(0.668)	2592483	200.000	198	
	29 cis-1,2-Dichloroethene	96	7.079	7.089	(0.785)	1039032	200.000	210(A)	
M	30 1,2-Dichloroethylene (total)	96				1900067	200.000	417	
	31 Methyl Methacrylate	41	10.626	10.636	(1.091)	921878	200.000	201(A)	
	32 2,2-Dichloropropane	77	7.312	7.310	(0.811)	1412929	200.000	213(A)	
	33 Bromochloromethane	128	7.521	7.519	(0.834)	485998	200.000	208(A)	
	34 Chloroform	83	7.742	7.740	(0.858)	1656344	200.000	207(A)	
	35 Carbon Tetrachloride	117	7.951	7.949	(0.816)	1051066	200.000	208(A)	
	36 Tetrahydrofuran	42	8.056	8.054	(0.893)	1334460	1000.00	958	
$	37 Dibromofluoromethane	113	8.126	8.124	(0.901)	1037709	200.000	206(A)	
	38 1,1,1-Trichloroethane	97	8.114	8.101	(0.899)	1225853	200.000	207(A)	
	39 1,1-Dichloropropene	75	8.358	8.356	(0.858)	1331576	200.000	206(A)	
	40 2-Butanone	43	8.405	8.403	(0.932)	2377022	1000.00	998	
	41 Benzene	78	8.800	8.787	(0.903)	3550558	200.000	200	
*	42 Pentafluorobenzene	168	9.021	9.019	(1.000)	444440	50.0000		
	43 Cyclohexane	56	7.486	7.484	(0.830)	1423863	200.000	210(A)	
	44 Ethyl Methacrylate	69	12.056	12.055	(1.238)	1020836	200.000	193	
$	45 1,2-Dichloroethane-D4	65	9.033	9.019	(1.001)	1039041	200.000	202(A)	
	46 Tertiary-amyl methyl ether	73	9.056	9.054	(1.004)	2409133	200.000	202(A)	
	47 1,2-Dichloroethane	62	9.126	9.124	(0.937)	1349177	200.000	207(A)	
	48 Trichloroethene	95	9.672	9.671	(0.993)	884589	200.000	199	
*	49 1,4-Difluorobenzene	114	9.742	9.740	(1.000)	737853	50.0000		
	50 Dibromomethane	93	10.196	10.194	(1.047)	610787	200.000	201(A)	
	51 1,2-Dichloropropane	63	10.312	10.310	(1.058)	1010872	200.000	203(A)	
	52 Bromodichloromethane	83	10.417	10.415	(1.069)	1293432	200.000	203(A)	
	53 cis-1,3-dichloropropene	75	11.103	11.101	(1.140)	1548513	200.000	203(A)	
	54 1,4-Dioxane	88	10.661	10.659	(1.094)	91832	4000.00	3160	
$	55 Toluene-D8	98	11.301	11.299	(1.160)	2863724	200.000	197	
	56 2-Chloroethylvinylether	63	11.068	11.066	(1.136)	331051	200.000	205(A)	
	57 Toluene	92	11.359	11.357	(1.166)	2002153	200.000	200	
	58 4-methyl-2-pentanone	43	11.812	11.811	(1.212)	3850380	1000.00	895	
	59 Tetrachloroethene	164	11.777	11.776	(0.894)	688637	200.000	210(A)	
	60 trans-1,3-Dichloropropene	75	11.847	11.845	(1.216)	1265682	200.000	201(A)	
	61 1,1,2-Trichloroethane	83	12.033	12.032	(1.235)	636890	200.000	195	
	62 Dibromochloromethane	129	12.243	12.241	(0.929)	1022400	200.000	206(A)	
	63 1,3-Dichloropropane	76	12.359	12.357	(0.938)	1369649	200.000	200(A)	
	64 1,2-Dibromoethane	107	12.522	12.520	(1.285)	871626	200.000	202(A)	
	65 2-Hexanone	43	12.836	12.834	(0.974)	3010989	1000.00	939	
*	66 Chlorobenzene-D5	117	13.173	13.160	(1.000)	586017	50.0000		
	67 Chlorobenzene	112	13.196	13.183	(1.002)	2062716	200.000	199	
	152 1-Chlorohexane	91	13.173	13.171	(1.460)	1039965	200.000	199	
	68 Ethylbenzene	106	13.231	13.229	(1.004)	1121341	200.000	203(A)	
	69 1,1,1,2-Tetrachloroethane	131	13.278	13.276	(1.008)	843130	200.000	203(A)	
M	70 Xylenes (total)	106				3967977	600.000	595	
	71 m+p-Xylenes	106	13.429	13.415	(1.019)	2573985	400.000	394	
	72 o-Xylene	106	13.975	13.974	(1.061)	1393992	200.000	202(A)	
	73 Styrene	104	14.045	14.044	(1.066)	2326265	200.000	199	
	74 Bromoform	173	14.080	14.067	(1.069)	636328	200.000	206(A)	
	75 Isopropylbenzene	105	14.382	14.381	(0.882)	2958172	200.000	193	
$	76 P-Bromofluorobenzene	95	14.755	14.753	(1.514)	1181041	200.000	197	

Data File: \\Target_server\GG\chem\gcms-s.i\S091008B.b\S2826.D
Report Date: 24-Sep-2008 15:23

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)	REVIEW CODE
77 cis-1,4-Dichloro-2-Butene	53	14.859	14.858	(0.912)	316504	200.000	212(A)	
78 trans-1,4-Dichloro-2-Butene	53	15.290	15.288	(0.938)	314248	200.000	206(A)	
79 Bromobenzene	156	14.894	14.892	(0.914)	963178	200.000	197	
80 N-Propylbenzene	91	14.941	14.939	(0.917)	3920678	200.000	192	
81 1,1,2,2-Tetrachloroethane	83	15.045	15.044	(0.923)	957819	200.000	192	
82 1,3,5-Trimethylbenzene	105	15.208	15.206	(0.933)	2546452	200.000	191	
83 2-Chlorotoluene	91	15.150	15.137	(0.929)	2479828	200.000	193	
84 1,2,3-Trichloropropane	75	15.220	15.218	(0.934)	670821	200.000	187	
85 4-Chlorotoluene	91	15.383	15.369	(0.944)	2523936	200.000	193	
86 tert-Butylbenzene	119	15.650	15.637	(0.960)	2609520	200.000	195	
87 Pentachloroethane	117	15.673	15.672	(0.961)	656431	200.000	195	
88 1,2,4-Trimethylbenzene	105	15.743	15.741	(0.966)	2774126	200.000	194	
89 P-Isopropyltoluene	119	16.104	16.102	(0.988)	2570425	200.000	194	
90 1,3-Dichlorobenzene	146	16.197	16.183	(0.994)	1619772	200.000	195	
* 91 1,4-Dichlorobenzene-D4	152	16.301	16.300	(1.000)	303755	50.0000		
92 1,4-Dichlorobenzene	146	16.325	16.323	(1.001)	1656582	200.000	199	
93 N-Butylbenzene	91	16.697	16.695	(1.024)	2371229	200.000	196	
94 sec-Butylbenzene	105	15.894	15.893	(0.975)	3196823	200.000	196	
95 1,2-Dichlorobenzene	146	16.918	16.916	(1.038)	1566736	200.000	196	
96 1,2-Dibromo-3-Chloropropane	75	18.092	18.091	(1.110)	180038	200.000	199	
97 1,3,5-Trichlorobenzene	180	18.139	18.137	(1.113)	1083194	200.000	198	
98 Hexachlorobutadiene	225	19.081	19.079	(1.171)	411103	200.000	203(A)	
99 1,2,4-Trichlorobenzene	180	19.116	19.114	(1.173)	1001123	200.000	197	
100 1,2,3-Trimethylbenzene	105	16.360	16.358	(1.004)	2797538	200.000	196	
101 Naphthalene	128	19.604	19.603	(1.203)	2081281	200.000	193	
102 1,2,3-Trichlorobenzene	180	19.895	19.893	(1.220)	883072	200.000	196	
103 Methyl Acetate	43	4.893	4.891	(0.542)	788719	200.000	207(A)	
104 Methylcyclohexane	83	9.637	9.636	(1.068)	1144947	200.000	209(A)	
M 153 Total Alkylbenzenes	100				19989253	200.000	1360	

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.

Data File: \\Target_server\GG\chem\gcms-s.i\S091008B.b\S2826.D
Report Date: 24-Sep-2008 15:23

Katahdin Analytical Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcms-s.i
Lab File ID: S2826.D
Lab Smp Id: VSTD200S10A
Analysis Type: VOA
Quant Type: ISTD
Operator: SKT
Method File: \\target_server\GG\chem\gcms-s.i\S091008B.b\s826a63.m
Misc Info: SW846 8260B

Calibration Date: 10-SEP-2008
Calibration Time: 15:24

Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 4

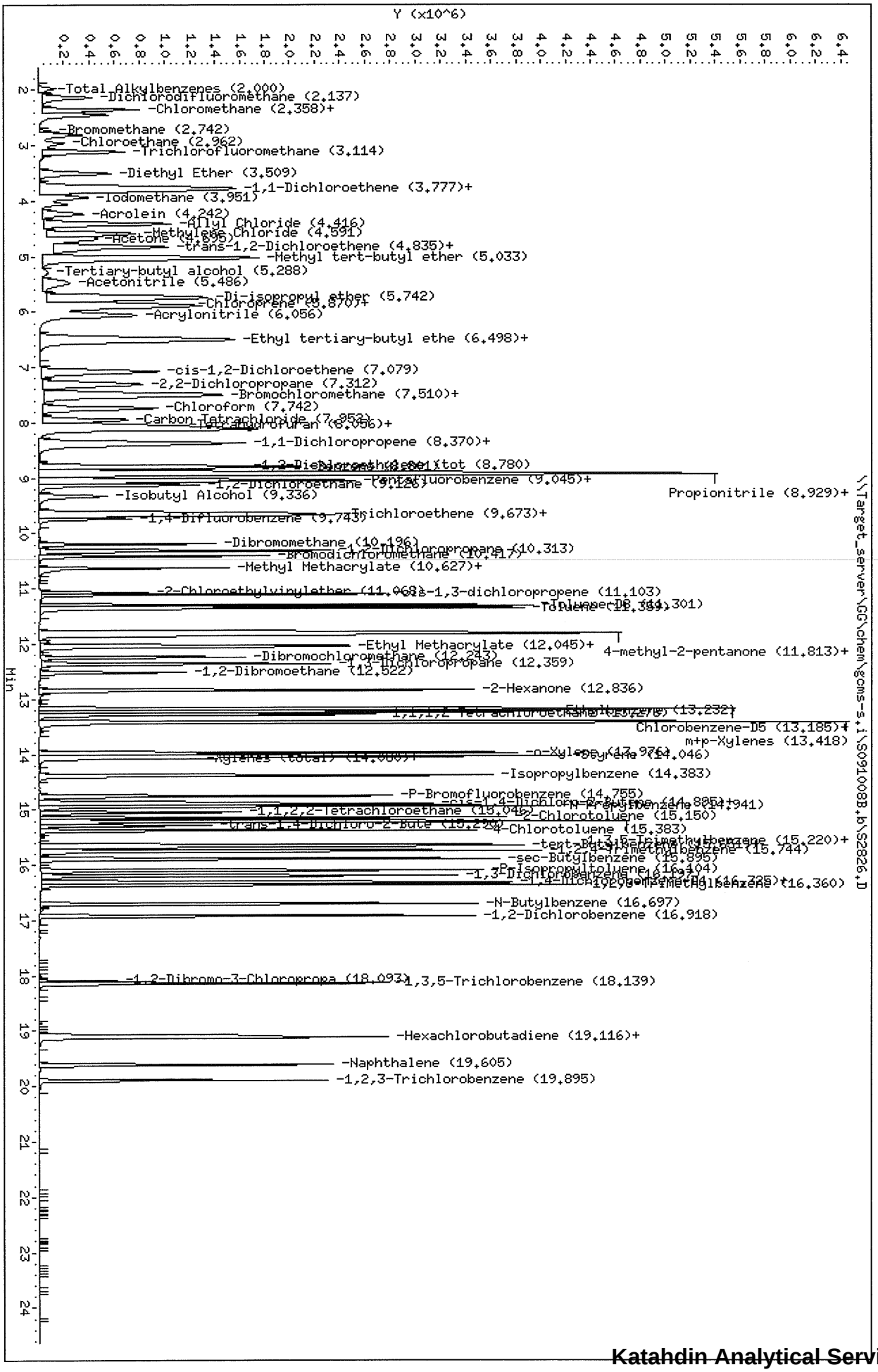
COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	470511	235256	941022	444440	-5.54
49 1,4-Difluorobenze	756830	378415	1513660	737853	-2.51
66 Chlorobenzene-D5	618857	309429	1237714	586017	-5.31
91 1,4-Dichlorobenze	303284	151642	606568	303755	0.16

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	9.02	8.52	9.52	9.02	0.02
49 1,4-Difluorobenze	9.74	9.24	10.24	9.74	0.02
66 Chlorobenzene-D5	13.16	12.66	13.66	13.17	0.10
91 1,4-Dichlorobenze	16.30	15.80	16.80	16.30	0.01

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.

Data File: \\Target_server\GC\chem\gcms-s.i\S091008B.b\S2826.D
Date : 10-SEP-2008 14:22
Client ID:
Sample Info: VSTD200S10A
Purge Volume: 5.0
Column phase: RTX-VMS

Instrument: gcms-s.i
Operator: SKT
Column diameter: 0.18



Data File: \\Target_server\GG\chem\gcms-s.i\S091008B.b\S2827.D
Report Date: 24-Sep-2008 15:23

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gcms-s.i\S091008B.b\S2827.D
Lab Smp Id: VSTD100S10A
Inj Date : 10-SEP-2008 14:53
Operator : SKT Inst ID: gcms-s.i
Smp Info : VSTD100S10A
Misc Info : SW846 8260B
Comment :
Method : \\target_server\GG\chem\gcms-s.i\S091008B.b\s826a63.m
Meth Date : 17-Sep-2008 13:26 sthompson Quant Type: ISTD
Cal Date : 10-SEP-2008 14:53 Cal File: S2827.D
Als bottle: 3 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.12
Processing Host: V200T3

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	sample purged
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)	REVIEW CODE
1 Dichlorodifluoromethane	85	2.139	2.146	(0.237)	514745	100.000	98.7	
2 Chloromethane	50	2.360	2.356	(0.262)	736886	100.000	99.7	
3 Vinyl chloride	62	2.453	2.449	(0.272)	590757	100.000	97.9	
4 Bromomethane	94	2.813	2.821	(0.312)	257928	100.000	97.9	
5 Chloroethane	64	2.965	2.972	(0.329)	254436	100.000	98.5	
6 Trichlorofluoromethane	101	3.127	3.123	(0.347)	536196	100.000	98.7	
7 Diethyl Ether	59	3.511	3.507	(0.389)	363395	100.000	99.5	
8 Tertiary-butyl alcohol	59	5.291	5.298	(0.586)	162713	500.000	523	
9 1,1-Dichloroethene	96	3.755	3.751	(0.416)	363121	100.000	99.3	
10 Carbon Disulfide	76	3.790	3.786	(0.420)	1255343	100.000	99.4	
11 Freon-113	151	3.825	3.821	(0.424)	286565	100.000	98.1	
12 Iodomethane	142	3.953	3.949	(0.438)	496968	100.000	101	
13 Acrolein	56	4.244	4.240	(0.470)	416560	500.000	505	
14 Methylene Chloride	84	4.593	4.600	(0.509)	475294	100.000	100	
15 Acetone	43	4.697	4.693	(0.521)	714954	500.000	488	
16 Isobutyl Alcohol	43	9.326	9.333	(1.034)	337152	2000.00	2080	
17 trans-1,2-Dichloroethene	96	4.837	4.833	(0.536)	442359	100.000	101	
18 Allyl Chloride	41	4.418	4.426	(0.490)	818974	100.000	99.7	
19 Methyl tert-butyl ether	73	5.035	5.042	(0.558)	2262278	200.000	200	
20 Acetonitrile	39	5.488	5.472	(0.608)	107461	1000.00	988	
21 Di-isopropyl ether	45	5.756	5.740	(0.638)	1996597	100.000	97.9	
22 Chloroprene	53	5.872	5.868	(0.651)	776486	100.000	98.3	
23 Propionitrile	54	8.896	8.891	(0.986)	609892	1000.00	1050	

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Report Date: 24-Sep-2008 15:23

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)	REVIEW CODE
	24 Methacrylonitrile	41	8.919	8.915	(0.988)	3130382	1000.00	1030	
	25 1,1-Dichloroethane	63	5.930	5.914	(0.657)	910265	100.000	100	
	26 Acrylonitrile	52	6.058	6.054	(0.671)	816253	500.000	508	
	27 Ethyl tertiary-butyl ether	59	6.500	6.496	(0.720)	1687577	100.000	100	
	28 Vinyl Acetate	43	6.512	6.507	(0.668)	1396296	100.000	104	
	29 cis-1,2-Dichloroethene	96	7.082	7.089	(0.785)	516607	100.000	100	
M	30 1,2-Dichloroethylene (total)	96				958966	100.000	201	
	31 Methyl Methacrylate	41	10.629	10.636	(1.091)	485046	100.000	103	
	32 2,2-Dichloropropane	77	7.314	7.310	(0.811)	690620	100.000	100	
	33 Bromochloromethane	128	7.523	7.519	(0.834)	249074	100.000	102	
	34 Chloroform	83	7.744	7.740	(0.858)	844510	100.000	101	
	35 Carbon Tetrachloride	117	7.954	7.949	(0.816)	514688	100.000	101	
	36 Tetrahydrofuran	42	8.058	8.054	(0.893)	747430	500.000	510	
$	37 Dibromofluoromethane	113	8.128	8.124	(0.901)	528051	100.000	101	
	38 1,1,1-Trichloroethane	97	8.105	8.101	(0.898)	625425	100.000	101	
	39 1,1-Dichloropropene	75	8.361	8.356	(0.858)	653175	100.000	100	
	40 2-Butanone	43	8.407	8.403	(0.932)	1270279	500.000	508	
	41 Benzene	78	8.791	8.787	(0.902)	1869368	100.000	103	
*	42 Pentafluorobenzene	168	9.024	9.019	(1.000)	462909	50.0000		
	43 Cyclohexane	56	7.477	7.484	(0.829)	714272	100.000	101	
	44 Ethyl Methacrylate	69	12.059	12.055	(1.237)	562381	100.000	104	
$	45 1,2-Dichloroethane-D4	65	9.024	9.019	(1.000)	547060	100.000	101	
	46 Tertiary-amyl methyl ether	73	9.059	9.054	(1.004)	1281016	100.000	102	
	47 1,2-Dichloroethane	62	9.128	9.124	(0.937)	687654	100.000	103	
	48 Trichloroethene	95	9.675	9.671	(0.993)	455511	100.000	101	
*	49 1,4-Difluorobenzene	114	9.745	9.740	(1.000)	741115	50.0000		
	50 Dibromomethane	93	10.198	10.194	(1.047)	308729	100.000	101	
	51 1,2-Dichloropropane	63	10.315	10.310	(1.058)	511948	100.000	101	
	52 Bromodichloromethane	83	10.419	10.415	(1.069)	662017	100.000	102	
	53 cis-1,3-dichloropropene	75	11.105	11.101	(1.140)	795342	100.000	103	
	54 1,4-Dioxane	88	10.664	10.659	(1.094)	73113	2000.00	2310	
$	55 Toluene-D8	98	11.303	11.299	(1.160)	1530544	100.000	103	
	56 2-Chloroethylvinylether	63	11.059	11.066	(1.135)	165145	100.000	101	
	57 Toluene	92	11.350	11.357	(1.165)	1069485	100.000	104	
	58 4-methyl-2-pentanone	43	11.815	11.811	(1.212)	2347750	500.000	528	
	59 Tetrachloroethene	164	11.780	11.776	(0.895)	341151	100.000	100	
	60 trans-1,3-Dichloropropene	75	11.850	11.845	(1.216)	662727	100.000	103	
	61 1,1,2-Trichloroethane	83	12.036	12.032	(1.235)	350835	100.000	104	
	62 Dibromochloromethane	129	12.245	12.241	(0.930)	505711	100.000	99.2	
	63 1,3-Dichloropropane	76	12.361	12.357	(0.939)	724770	100.000	102	
	64 1,2-Dibromoethane	107	12.524	12.520	(1.285)	451775	100.000	103	
	65 2-Hexanone	43	12.838	12.834	(0.975)	1715798	500.000	512	
*	66 Chlorobenzene-D5	117	13.164	13.160	(1.000)	605033	50.0000		
	67 Chlorobenzene	112	13.187	13.183	(1.002)	1116273	100.000	103	
	152 1-Chlorohexane	91	13.176	13.171	(1.460)	587362	100.000	105	
	68 Ethylbenzene	106	13.234	13.229	(1.005)	587727	100.000	102	
	69 1,1,1,2-Tetrachloroethane	131	13.280	13.276	(1.009)	440049	100.000	102	
M	70 Xylenes (total)	106				2142412	300.000	308	
	71 m+p-Xylenes	106	13.420	13.415	(1.019)	1396712	200.000	204	
	72 o-Xylene	106	13.966	13.974	(1.061)	745700	100.000	103	
	73 Styrene	104	14.036	14.044	(1.066)	1269999	100.000	103	
	74 Bromoform	173	14.071	14.067	(1.069)	330995	100.000	103	
	75 Isopropylbenzene	105	14.385	14.381	(0.883)	1542483	100.000	99.8	
$	76 P-Bromofluorobenzene	95	14.757	14.753	(1.514)	599562	100.000	99.9	

Data File: \\Target_server\GG\chem\gcms-s.i\S091008B.b\S2827.D
Report Date: 24-Sep-2008 15:23

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)	REVIEW CODE
77 cis-1,4-Dichloro-2-Butene	53	14.850	14.858	(0.911)	154650	100.000	101	
78 trans-1,4-Dichloro-2-Butene	53	15.281	15.288	(0.938)	161267	100.000	103	
79 Bromobenzene	156	14.885	14.892	(0.914)	491754	100.000	99.4	
80 N-Propylbenzene	91	14.932	14.939	(0.916)	2070871	100.000	100	
81 1,1,2,2-Tetrachloroethane	83	15.048	15.044	(0.924)	524142	100.000	102	
82 1,3,5-Trimethylbenzene	105	15.211	15.206	(0.934)	1400820	100.000	103	
83 2-Chlorotoluene	91	15.141	15.137	(0.929)	1357332	100.000	103	
84 1,2,3-Trichloropropane	75	15.222	15.218	(0.934)	385930	100.000	104	
85 4-Chlorotoluene	91	15.374	15.369	(0.944)	1358255	100.000	102	
86 tert-Butylbenzene	119	15.641	15.637	(0.960)	1437914	100.000	104	
87 Pentachloroethane	117	15.664	15.672	(0.961)	353694	100.000	102	
88 1,2,4-Trimethylbenzene	105	15.746	15.741	(0.966)	1468402	100.000	101	
89 P-Isopropyltoluene	119	16.095	16.102	(0.988)	1374427	100.000	101	
90 1,3-Dichlorobenzene	146	16.188	16.183	(0.994)	876502	100.000	103	
* 91 1,4-Dichlorobenzene-D4	152	16.292	16.300	(1.000)	307417	50.0000		
92 1,4-Dichlorobenzene	146	16.316	16.323	(1.001)	872873	100.000	102	
93 N-Butylbenzene	91	16.699	16.695	(1.025)	1270468	100.000	102	
94 sec-Butylbenzene	105	15.885	15.893	(0.975)	1710477	100.000	102	
95 1,2-Dichlorobenzene	146	16.920	16.916	(1.039)	845729	100.000	103	
96 1,2-Dibromo-3-Chloropropane	75	18.095	18.091	(1.111)	102090	100.000	108	
97 1,3,5-Trichlorobenzene	180	18.141	18.137	(1.113)	556036	100.000	100	
98 Hexachlorobutadiene	225	19.084	19.079	(1.171)	209791	100.000	102	
99 1,2,4-Trichlorobenzene	180	19.118	19.114	(1.173)	517786	100.000	100	
100 1,2,3-Trimethylbenzene	105	16.351	16.358	(1.004)	1436411	100.000	99.8	
101 Naphthalene	128	19.607	19.603	(1.203)	1164785	100.000	104	
102 1,2,3-Trichlorobenzene	180	19.886	19.893	(1.221)	486325	100.000	104	
103 Methyl Acetate	43	4.895	4.891	(0.542)	407443	100.000	102	
104 Methylcyclohexane	83	9.628	9.636	(1.067)	557648	100.000	98.4	
M 153 Total Alkylbenzenes	100				10733379	100.000	714	

Data File: \\Target_server\GG\chem\gcms-s.i\S091008B.b\S2827.D
Report Date: 24-Sep-2008 15:23

Katahdin Analytical Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcms-s.i
Lab File ID: S2827.D
Lab Smp Id: VSTD100S10A
Analysis Type: VOA
Quant Type: ISTD
Operator: SKT
Method File: \\target_server\GG\chem\gcms-s.i\S091008B.b\s826a63.m
Misc Info: SW846 8260B

Calibration Date: 10-SEP-2008
Calibration Time: 15:24

Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 4

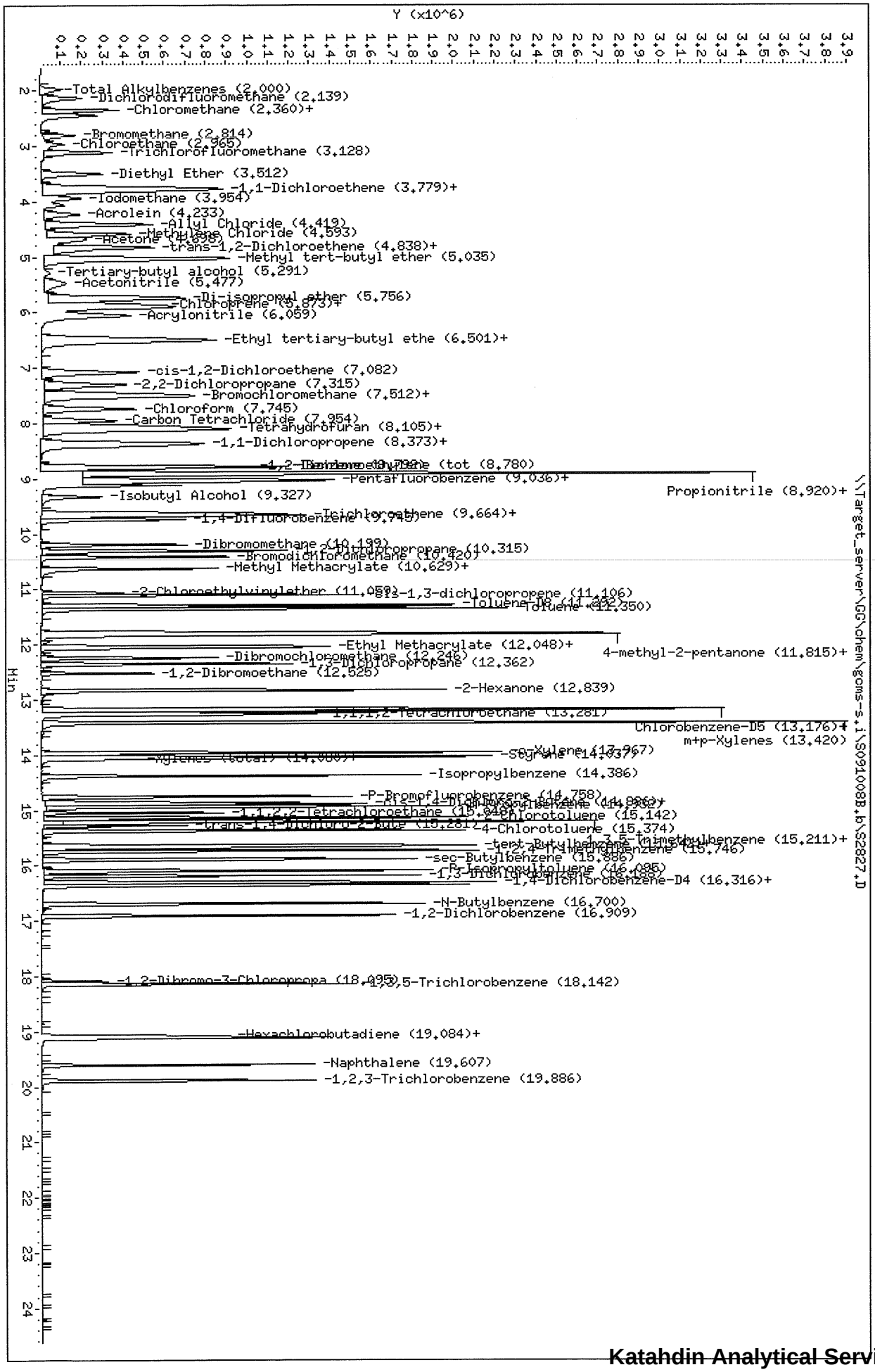
COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	470511	235256	941022	462909	-1.62
49 1,4-Difluorobenze	756830	378415	1513660	741115	-2.08
66 Chlorobenzene-D5	618857	309429	1237714	605033	-2.23
91 1,4-Dichlorobenze	303284	151642	606568	307417	1.36

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	9.02	8.52	9.52	9.02	0.05
49 1,4-Difluorobenze	9.74	9.24	10.24	9.75	0.05
66 Chlorobenzene-D5	13.16	12.66	13.66	13.16	0.04
91 1,4-Dichlorobenze	16.30	15.80	16.80	16.29	-0.04

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.

Data File: \\Target_server\GC\chem\gcms-s.i\S091008B.b\S2827.D
Date : 10-SEP-2008 14:53
Client ID:
Sample Info: VSTD100S10A
Purge Volume: 5.0
Column phase: RTX-VMS

Instrument: gcms-s.i
Operator: SKT
Column diameter: 0.18



Data File: \\Target_server\GG\chem\gcms-s.i\S091008B.b\S2828.D
Report Date: 24-Sep-2008 15:23

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gcms-s.i\S091008B.b\S2828.D
Lab Smp Id: VSTD050S10B
Inj Date : 10-SEP-2008 15:24
Operator : SKT Inst ID: gcms-s.i
Smp Info : VSTD050S10B
Misc Info : SW846 8260B
Comment :
Method : \\target_server\GG\chem\gcms-s.i\S091008B.b\s826a63.m
Meth Date : 17-Sep-2008 13:26 sthompson Quant Type: ISTD
Cal Date : 28-AUG-2008 12:42 Cal File: S2688.D
Als bottle: 4 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.12

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	sample purged
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)	REVIEW CODE
1 Dichlorodifluoromethane	85	2.146	2.146	(0.238)	240623	50.0000	(a)	
2 Chloromethane	50	2.355	2.356	(0.261)	349867	50.0000	(a)	
3 Vinyl chloride	62	2.448	2.449	(0.271)	286328	50.0000	(a)	
4 Bromomethane	94	2.820	2.821	(0.313)	128360	50.0000	(a)	
5 Chloroethane	64	2.971	2.972	(0.330)	142129	50.0000	(a)	
6 Trichlorofluoromethane	101	3.123	3.123	(0.346)	265607	50.0000	(a)	
7 Diethyl Ether	59	3.506	3.507	(0.389)	182199	50.0000	(a)	
8 Tertiary-butyl alcohol	59	5.297	5.298	(0.587)	79083	250.000	(a)	
9 1,1-Dichloroethene	96	3.751	3.751	(0.416)	180933	50.0000	(a)	
10 Carbon Disulfide	76	3.786	3.786	(0.420)	624269	50.0000	(a)	
11 Freon-113	151	3.820	3.821	(0.424)	141953	50.0000	(a)	
12 Iodomethane	142	3.948	3.949	(0.438)	236437	50.0000	(a)	
13 Acrolein	56	4.239	4.240	(0.470)	201559	250.000	(a)	
14 Methylene Chloride	84	4.600	4.600	(0.510)	234352	50.0000	(a)	
15 Acetone	43	4.693	4.693	(0.520)	355495	250.000	(a)	
16 Isobutyl Alcohol	43	9.333	9.333	(1.035)	166212	1000.00	(a)	
17 trans-1,2-Dichloroethene	96	4.832	4.833	(0.536)	212346	50.0000	(a)	
18 Allyl Chloride	41	4.425	4.426	(0.491)	400928	50.0000	(a)	
19 Methyl tert-butyl ether	73	5.042	5.042	(0.559)	1139179	100.000	(a)	
20 Acetonitrile	39	5.472	5.472	(0.607)	54811	500.000	(a)	
21 Di-isopropyl ether	45	5.739	5.740	(0.636)	1021373	50.0000	(a)	
22 Chloroprene	53	5.867	5.868	(0.651)	395271	50.0000	(a)	
23 Propionitrile	54	8.891	8.891	(0.986)	301827	500.000	(a)	
24 Methacrylonitrile	41	8.914	8.915	(0.988)	1636551	500.000	(a)	

Data File: \\Target_server\GG\chem\gcms-s.i\S091008B.b\S2828.D
Report Date: 24-Sep-2008 15:23

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)	REVIEW CODE
	25 1,1-Dichloroethane	63	5.914	5.914	(0.656)	446891	50.0000	(a)	
	26 Acrylonitrile	52	6.053	6.054	(0.671)	401524	250.000	(a)	
	27 Ethyl tertiary-butyl ether	59	6.495	6.496	(0.720)	825251	50.0000	(a)	
	28 Vinyl Acetate	43	6.507	6.507	(0.668)	680867	50.0000	(a)	
	29 cis-1,2-Dichloroethene	96	7.088	7.089	(0.786)	249772	50.0000	(a)	
M	30 1,2-Dichloroethylene (total)	96				462118	50.0000	(a)	
	31 Methyl Methacrylate	41	10.635	10.636	(1.092)	234714	50.0000	(a)	
	32 2,2-Dichloropropane	77	7.309	7.310	(0.810)	328288	50.0000	(a)	
	33 Bromochloromethane	128	7.519	7.519	(0.834)	118150	50.0000	(a)	
	34 Chloroform	83	7.740	7.740	(0.858)	409122	50.0000	(a)	
	35 Carbon Tetrachloride	117	7.949	7.949	(0.816)	247594	50.0000	(a)	
	36 Tetrahydrofuran	42	8.054	8.054	(0.893)	383956	250.000	(a)	
$	37 Dibromofluoromethane	113	8.123	8.124	(0.901)	257176	50.0000	(a)	
	38 1,1,1-Trichloroethane	97	8.100	8.101	(0.898)	303687	50.0000	(a)	
	39 1,1-Dichloropropene	75	8.356	8.356	(0.858)	320836	50.0000	(a)	
	40 2-Butanone	43	8.403	8.403	(0.932)	631017	250.000	(a)	
	41 Benzene	78	8.786	8.787	(0.902)	912772	50.0000	(a)	
*	42 Pentafluorobenzene	168	9.019	9.019	(1.000)	470511	50.0000		
	43 Cyclohexane	56	7.484	7.484	(0.830)	341233	50.0000	(a)	
	44 Ethyl Methacrylate	69	12.054	12.055	(1.238)	279409	50.0000	(a)	
$	45 1,2-Dichloroethane-D4	65	9.019	9.019	(1.000)	269936	50.0000	(a)	
	46 Tertiary-amyl methyl ether	73	9.054	9.054	(1.004)	625041	50.0000	(a)	
	47 1,2-Dichloroethane	62	9.124	9.124	(0.937)	323855	50.0000	(a)	
	48 Trichloroethene	95	9.670	9.671	(0.993)	228489	50.0000	(a)	
*	49 1,4-Difluorobenzene	114	9.740	9.740	(1.000)	756830	50.0000		
	50 Dibromomethane	93	10.194	10.194	(1.047)	154946	50.0000	(a)	
	51 1,2-Dichloropropane	63	10.310	10.310	(1.059)	252451	50.0000	(a)	
	52 Bromodichloromethane	83	10.415	10.415	(1.069)	320408	50.0000	(a)	
	53 cis-1,3-dichloropropene	75	11.101	11.101	(1.140)	383602	50.0000	(a)	
	54 1,4-Dioxane	88	10.659	10.659	(1.094)	36062	1000.00	(a)	
$	55 Toluene-D8	98	11.298	11.299	(1.160)	757433	50.0000	(a)	
	56 2-Chloroethylvinylether	63	11.066	11.066	(1.136)	80525	50.0000	(a)	
	57 Toluene	92	11.357	11.357	(1.166)	515936	50.0000	(a)	
	58 4-methyl-2-pentanone	43	11.810	11.811	(1.213)	1218841	250.000	(a)	
	59 Tetrachloroethene	164	11.775	11.776	(0.895)	165086	50.0000	(a)	
	60 trans-1,3-Dichloropropene	75	11.845	11.845	(1.216)	319809	50.0000	(a)	
	61 1,1,2-Trichloroethane	83	12.031	12.032	(1.235)	171356	50.0000	(a)	
	62 Dibromochloromethane	129	12.240	12.241	(0.930)	253233	50.0000	(a)	
	63 1,3-Dichloropropane	76	12.357	12.357	(0.939)	360913	50.0000	(a)	
	64 1,2-Dibromoethane	107	12.519	12.520	(1.285)	220170	50.0000	(a)	
	65 2-Hexanone	43	12.833	12.834	(0.975)	898222	250.000	(a)	
*	66 Chlorobenzene-D5	117	13.159	13.160	(1.000)	618857	50.0000		
	67 Chlorobenzene	112	13.182	13.183	(1.002)	550038	50.0000	(a)	
	152 1-Chlorohexane	91	13.171	13.171	(1.460)	277741	50.0000	(a)	
	68 Ethylbenzene	106	13.229	13.229	(1.005)	286919	50.0000	(a)	
	69 1,1,1,2-Tetrachloroethane	131	13.275	13.276	(1.009)	216651	50.0000	(a)	
M	70 Xylenes (total)	106				1062998	150.000	(a)	
	71 m+p-Xylenes	106	13.415	13.415	(1.019)	701170	100.000	(a)	
	72 o-Xylene	106	13.973	13.974	(1.062)	361828	50.0000	(a)	
	73 Styrene	104	14.043	14.044	(1.067)	621289	50.0000	(a)	
	74 Bromoform	173	14.066	14.067	(1.069)	157570	50.0000	(a)	
	75 Isopropylbenzene	105	14.380	14.381	(0.882)	788592	50.0000	(a)	
$	76 P-Bromofluorobenzene	95	14.752	14.753	(1.515)	310578	50.0000	(a)	
	77 cis-1,4-Dichloro-2-Butene	53	14.857	14.858	(0.912)	70206	50.0000	(a)	

Data File: \\Target_server\GG\chem\gcms-s.i\S091008B.b\S2828.D
Report Date: 24-Sep-2008 15:23

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)		REVIEW CODE
	78 trans-1,4-Dichloro-2-Butene	53	15.287	15.288	(0.938)	73918	50.0000		(a)	
	79 Bromobenzene	156	14.892	14.892	(0.914)	248681	50.0000		(a)	
	80 N-Propylbenzene	91	14.938	14.939	(0.917)	1061467	50.0000		(a)	
	81 1,1,2,2-Tetrachloroethane	83	15.043	15.044	(0.923)	259305	50.0000		(a)	
	82 1,3,5-Trimethylbenzene	105	15.206	15.206	(0.933)	692560	50.0000		(a)	
	83 2-Chlorotoluene	91	15.136	15.137	(0.929)	664010	50.0000		(a)	
	84 1,2,3-Trichloropropane	75	15.218	15.218	(0.934)	191464	50.0000		(a)	
	85 4-Chlorotoluene	91	15.369	15.369	(0.943)	675844	50.0000		(a)	
	86 tert-Butylbenzene	119	15.636	15.637	(0.959)	681999	50.0000		(a)	
	87 Pentachloroethane	117	15.671	15.672	(0.961)	171958	50.0000		(a)	
	88 1,2,4-Trimethylbenzene	105	15.741	15.741	(0.966)	735406	50.0000		(a)	
	89 P-Isopropyltoluene	119	16.101	16.102	(0.988)	684489	50.0000		(a)	
	90 1,3-Dichlorobenzene	146	16.183	16.183	(0.993)	425212	50.0000		(a)	
*	91 1,4-Dichlorobenzene-D4	152	16.299	16.300	(1.000)	303284	50.0000			
	92 1,4-Dichlorobenzene	146	16.322	16.323	(1.001)	418425	50.0000		(a)	
	93 N-Butylbenzene	91	16.695	16.695	(1.024)	615165	50.0000		(a)	
	94 sec-Butylbenzene	105	15.892	15.893	(0.975)	833050	50.0000		(a)	
	95 1,2-Dichlorobenzene	146	16.916	16.916	(1.038)	408407	50.0000		(a)	
	96 1,2-Dibromo-3-Chloropropane	75	18.090	18.091	(1.110)	45180	50.0000		(a)	
	97 1,3,5-Trichlorobenzene	180	18.137	18.137	(1.113)	277037	50.0000		(a)	
	98 Hexachlorobutadiene	225	19.079	19.079	(1.171)	99157	50.0000		(a)	
	99 1,2,4-Trichlorobenzene	180	19.114	19.114	(1.173)	258362	50.0000		(a)	
	100 1,2,3-Trimethylbenzene	105	16.357	16.358	(1.004)	722704	50.0000		(a)	
	101 Naphthalene	128	19.602	19.603	(1.203)	557871	50.0000		(a)	
	102 1,2,3-Trichlorobenzene	180	19.893	19.893	(1.220)	230488	50.0000		(a)	
	103 Methyl Acetate	43	4.890	4.891	(0.542)	195170	50.0000		(a)	
	104 Methylcyclohexane	83	9.635	9.636	(1.068)	277751	50.0000		(a)	
M	153 Total Alkylbenzenes	100				5304136	50.0000		(a)	

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: \\Target_server\GG\chem\gcms-s.i\S091008B.b\S2828.D
Report Date: 24-Sep-2008 15:23

Katahdin Analytical Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcms-s.i
Lab File ID: S2828.D
Lab Smp Id: VSTD050S10B
Analysis Type: VOA
Quant Type: ISTD
Operator: SKT
Method File: \\target_server\GG\chem\gcms-s.i\S091008B.b\s826a63.m
Misc Info: SW846 8260B

Calibration Date: 10-SEP-2008
Calibration Time: 15:24

Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 4

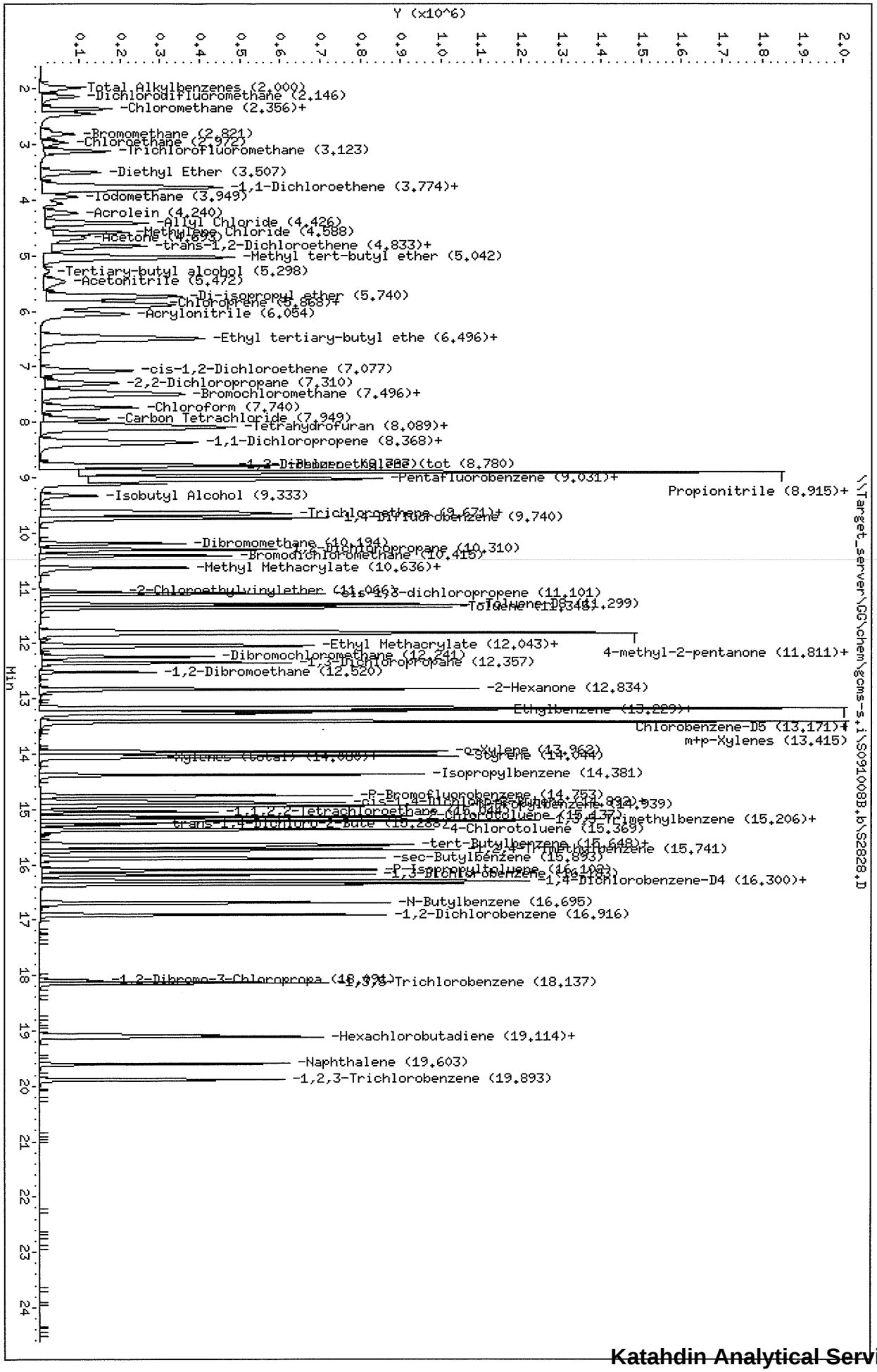
COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	470511	235256	941022	470511	0.00
49 1,4-Difluorobenze	756830	378415	1513660	756830	0.00
66 Chlorobenzene-D5	618857	309429	1237714	618857	0.00
91 1,4-Dichlorobenze	303284	151642	606568	303284	0.00

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	9.02	8.52	9.52	9.02	0.00
49 1,4-Difluorobenze	9.74	9.24	10.24	9.74	0.00
66 Chlorobenzene-D5	13.16	12.66	13.66	13.16	0.00
91 1,4-Dichlorobenze	16.30	15.80	16.80	16.30	0.00

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.

Data File: \\Target_server\GC\chem\gcms-s.i\S091008B.b\S2828.D
Date : 10-SEP-2008 15:24
Client ID:
Sample Info: VSTD050S10B
Purge Volume: 5.0
Column phase: RTX-VMS

Instrument: gcms-s.i
Operator: SKT
Column diameter: 0.18



Data File: \\Target_server\GG\chem\gcms-s.i\S091008B.b\S2829.D
Report Date: 24-Sep-2008 15:23

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gcms-s.i\S091008B.b\S2829.D
Lab Smp Id: VSTD020S10A
Inj Date : 10-SEP-2008 15:55
Operator : SKT Inst ID: gcms-s.i
Smp Info : VSTD020S10A
Misc Info : SW846 8260B
Comment :
Method : \\target_server\GG\chem\gcms-s.i\S091008B.b\s826a63.m
Meth Date : 17-Sep-2008 13:26 sthompson Quant Type: ISTD
Cal Date : 10-SEP-2008 15:55 Cal File: S2829.D
Als bottle: 5 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.12
Processing Host: V200T3

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	sample purged
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)	REVIEW COD
1 Dichlorodifluoromethane	85	2.145	2.146	(0.238)	93684	20.0000	18.9	
2 Chloromethane	50	2.354	2.356	(0.261)	142951	20.0000	18.7	
3 Vinyl chloride	62	2.448	2.449	(0.271)	119096	20.0000	19.6	
4 Bromomethane	94	2.808	2.821	(0.311)	48321	20.0000	19.1	
5 Chloroethane	64	2.971	2.972	(0.329)	62160	20.0000	21.1	
6 Trichlorofluoromethane	101	3.122	3.123	(0.346)	108409	20.0000	19.9	
7 Diethyl Ether	59	3.506	3.507	(0.389)	76778	20.0000	20.8	
8 Tertiary-butyl alcohol	59	5.285	5.298	(0.586)	31895	100.000	113	
9 1,1-Dichloroethene	96	3.750	3.751	(0.416)	73772	20.0000	19.8	
10 Carbon Disulfide	76	3.785	3.786	(0.420)	253085	20.0000	19.5	
11 Freon-113	151	3.820	3.821	(0.424)	53588	20.0000	19.1	
12 Iodomethane	142	3.948	3.949	(0.438)	92873	20.0000	19.8	
13 Acrolein	56	4.239	4.240	(0.470)	84872	100.000	102	
14 Methylene Chloride	84	4.587	4.600	(0.509)	97007	20.0000	18.4	
15 Acetone	43	4.692	4.693	(0.520)	143747	100.000	96.0	
16 Isobutyl Alcohol	43	9.332	9.333	(1.035)	69308	400.000	418	SKT 09 24 08
17 trans-1,2-Dichloroethene	96	4.832	4.833	(0.536)	85281	20.0000	19.4	
18 Allyl Chloride	41	4.425	4.426	(0.491)	159438	20.0000	19.4	
19 Methyl tert-butyl ether	73	5.041	5.042	(0.559)	472318	40.0000	41.3	
20 Acetonitrile	39	5.471	5.472	(0.607)	22645	200.000	262(M)	M9
21 Di-isopropyl ether	45	5.739	5.740	(0.636)	419312	20.0000	20.3	
22 Chloroprene	53	5.878	5.868	(0.652)	161400	20.0000	22.3	
23 Propionitrile	54	8.890	8.891	(0.986)	132430	200.000	217	

Data File: \\Target_server\GG\chem\gcms-s.i\S091008B.b\S2829.D
Report Date: 24-Sep-2008 15:23

			QUANT SIG					AMOUNTS		
		Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/l)	ON-COL (ug/l)	REVIEW CODE
	24	Methacrylonitrile	41	8.914	8.915	(0.988)	717118	200.000	216	
	25	1,1-Dichloroethane	63	5.913	5.914	(0.656)	184546	20.0000	19.9	
	26	Acrylonitrile	52	6.053	6.054	(0.671)	170056	100.000	104	
	27	Ethyl tertiary-butyl ether	59	6.495	6.496	(0.720)	344331	20.0000	21.9	
	28	Vinyl Acetate	43	6.518	6.507	(0.669)	279823	20.0000	20.0	
	29	cis-1,2-Dichloroethene	96	7.088	7.089	(0.786)	105270	20.0000	20.0	
M	30	1,2-Dichloroethylene (total)	96				190551	20.0000	39.4	
	31	Methyl Methacrylate	41	10.635	10.636	(1.092)	102831	20.0000	21.0	
	32	2,2-Dichloropropane	77	7.309	7.310	(0.810)	132374	20.0000	19.4	
	33	Bromochloromethane	128	7.530	7.519	(0.835)	49996	20.0000	20.1	
	34	Chloroform	83	7.739	7.740	(0.858)	166871	20.0000	19.4	
	35	Carbon Tetrachloride	117	7.948	7.949	(0.816)	96702	20.0000	19.7	
	36	Tetrahydrofuran	42	8.065	8.054	(0.894)	159829	100.000	99.3	
$	37	Dibromofluoromethane	113	8.123	8.124	(0.901)	113268	20.0000	21.5	
	38	1,1,1-Trichloroethane	97	8.100	8.101	(0.898)	124907	20.0000	20.1	
	39	1,1-Dichloropropene	75	8.355	8.356	(0.858)	127433	20.0000	19.3	
	40	2-Butanone	43	8.402	8.403	(0.932)	259121	100.000	99.0	
	41	Benzene	78	8.786	8.787	(0.902)	372094	20.0000	19.5	
*	42	Pentafluorobenzene	168	9.018	9.019	(1.000)	472288	50.0000		
	43	Cyclohexane	56	7.483	7.484	(0.830)	138426	20.0000	19.4	
	44	Ethyl Methacrylate	69	12.054	12.055	(1.238)	117697	20.0000	20.8	
$	45	1,2-Dichloroethane-D4	65	9.018	9.019	(1.000)	116914	20.0000	20.4	
	46	Tertiary-amyl methyl ether	73	9.053	9.054	(1.004)	263863	20.0000	20.4	
	47	1,2-Dichloroethane	62	9.123	9.124	(0.937)	137124	20.0000	19.8	
	48	Trichloroethene	95	9.670	9.671	(0.993)	95817	20.0000	19.9	
*	49	1,4-Difluorobenzene	114	9.739	9.740	(1.000)	759798	50.0000		
	50	Dibromomethane	93	10.193	10.194	(1.047)	64801	20.0000	20.4	
	51	1,2-Dichloropropane	63	10.309	10.310	(1.059)	105359	20.0000	20.2	
	52	Bromodichloromethane	83	10.414	10.415	(1.069)	134194	20.0000	20.4	
	53	cis-1,3-dichloropropene	75	11.100	11.101	(1.140)	157580	20.0000	19.9	
	54	1,4-Dioxane	88	10.658	10.659	(1.094)	16856	400.000	396	
$	55	Toluene-D8	98	11.298	11.299	(1.160)	335414	20.0000	21.3	
	56	2-Chloroethylvinylether	63	11.065	11.066	(1.136)	29145	20.0000	18.3	
	57	Toluene	92	11.356	11.357	(1.166)	215136	20.0000	19.7	
	58	4-methyl-2-pentanone	43	11.810	11.811	(1.213)	548926	100.000	108	
	59	Tetrachloroethene	164	11.775	11.776	(0.895)	68668	20.0000	19.7	
	60	trans-1,3-Dichloropropene	75	11.844	11.845	(1.216)	132663	20.0000	20.3	
	61	1,1,2-Trichloroethane	83	12.030	12.032	(1.235)	70763	20.0000	19.8	
	62	Dibromochloromethane	129	12.240	12.241	(0.930)	101250	20.0000	20.0	
	63	1,3-Dichloropropane	76	12.356	12.357	(0.939)	150027	20.0000	20.3	
	64	1,2-Dibromoethane	107	12.519	12.520	(1.285)	92667	20.0000	20.4	
	65	2-Hexanone	43	12.833	12.834	(0.975)	386301	100.000	106	
*	66	Chlorobenzene-D5	117	13.159	13.160	(1.000)	626101	50.0000		
	67	Chlorobenzene	112	13.182	13.183	(1.002)	232369	20.0000	20.1	
	152	1-Chlorohexane	91	13.170	13.171	(1.460)	113557	20.0000	19.2	
	68	Ethylbenzene	106	13.228	13.229	(1.005)	120457	20.0000	20.1	
	69	1,1,1,2-Tetrachloroethane	131	13.275	13.276	(1.009)	88428	20.0000	20.3	
M	70	Xylenes (total)	106				449109	60.0000	60.8	
	71	m+p-Xylenes	106	13.414	13.415	(1.019)	298267	40.0000	40.7	
	72	o-Xylene	106	13.973	13.974	(1.062)	150842	20.0000	20.1	
	73	Styrene	104	14.042	14.044	(1.067)	259018	20.0000	20.4	
	74	Bromoform	173	14.066	14.067	(1.069)	64565	20.0000	20.3	
	75	Isopropylbenzene	105	14.380	14.381	(0.882)	318210	20.0000	20.1	
$	76	P-Bromofluorobenzene	95	14.752	14.753	(1.515)	133820	20.0000	20.9	

Data File: \\Target_server\GG\chem\gcms-s.i\S091008B.b\S2829.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)	REVIEW CODE
	77 cis-1,4-Dichloro-2-Butene	53	14.857	14.858	(0.912)	25748	20.0000	19.8	
	78 trans-1,4-Dichloro-2-Butene	53	15.275	15.288	(0.937)	29155	20.0000	20.3	
	79 Bromobenzene	156	14.891	14.892	(0.914)	103179	20.0000	20.4	
	80 N-Propylbenzene	91	14.938	14.939	(0.917)	436340	20.0000	20.6	
	81 1,1,2,2-Tetrachloroethane	83	15.043	15.044	(0.923)	107384	20.0000	20.4	
	82 1,3,5-Trimethylbenzene	105	15.205	15.206	(0.933)	284528	20.0000	20.5	
	83 2-Chlorotoluene	91	15.136	15.137	(0.929)	271975	20.0000	20.1	
	84 1,2,3-Trichloropropane	75	15.217	15.218	(0.934)	81379	20.0000	20.5	
	85 4-Chlorotoluene	91	15.368	15.369	(0.943)	290258	20.0000	20.6	
	86 tert-Butylbenzene	119	15.647	15.637	(0.960)	287202	20.0000	20.6	
	87 Pentachloroethane	117	15.671	15.672	(0.961)	75329	20.0000	21.6	
	88 1,2,4-Trimethylbenzene	105	15.740	15.741	(0.966)	296419	20.0000	20.0	
	89 P-Isopropyltoluene	119	16.101	16.102	(0.988)	267848	20.0000	20.2	
	90 1,3-Dichlorobenzene	146	16.194	16.183	(0.994)	179977	20.0000	20.2	
*	91 1,4-Dichlorobenzene-D4	152	16.299	16.300	(1.000)	306492	50.0000		
	92 1,4-Dichlorobenzene	146	16.322	16.323	(1.001)	178767	20.0000	20.3	
	93 N-Butylbenzene	91	16.694	16.695	(1.024)	242894	20.0000	19.8	
	94 sec-Butylbenzene	105	15.892	15.893	(0.975)	338749	20.0000	20.4	
	95 1,2-Dichlorobenzene	146	16.915	16.916	(1.038)	173406	20.0000	20.3	
	96 1,2-Dibromo-3-Chloropropane	75	18.090	18.091	(1.110)	18416	20.0000	19.6	
	97 1,3,5-Trichlorobenzene	180	18.136	18.137	(1.113)	112952	20.0000	20.0	
	98 Hexachlorobutadiene	225	19.078	19.079	(1.171)	41283	20.0000	19.7	
	99 1,2,4-Trichlorobenzene	180	19.113	19.114	(1.173)	105970	20.0000	19.8	
	100 1,2,3-Trimethylbenzene	105	16.357	16.358	(1.004)	302786	20.0000	20.7	
	101 Naphthalene	128	19.601	19.603	(1.203)	232430	20.0000	19.4	
	102 1,2,3-Trichlorobenzene	180	19.892	19.893	(1.220)	95481	20.0000	19.1	
	103 Methyl Acetate	43	4.890	4.891	(0.542)	81284	20.0000	20.0	
	104 Methylcyclohexane	83	9.635	9.636	(1.068)	109246	20.0000	19.9	
M	153 Total Alkylbenzenes	100				2153980	20.0000	142	

QC Flag Legend

M - Compound response manually integrated.

Data File: \\Target_server\GG\chem\gcms-s.i\S091008B.b\S2829.D
Report Date: 24-Sep-2008 15:23

Katahdin Analytical Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcms-s.i
Lab File ID: S2829.D
Lab Smp Id: VSTD020S10A
Analysis Type: VOA
Quant Type: ISTD
Operator: SKT
Method File: \\target_server\GG\chem\gcms-s.i\S091008B.b\s826a63.m
Misc Info: SW846 8260B

Calibration Date: 10-SEP-2008
Calibration Time: 15:24

Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 4

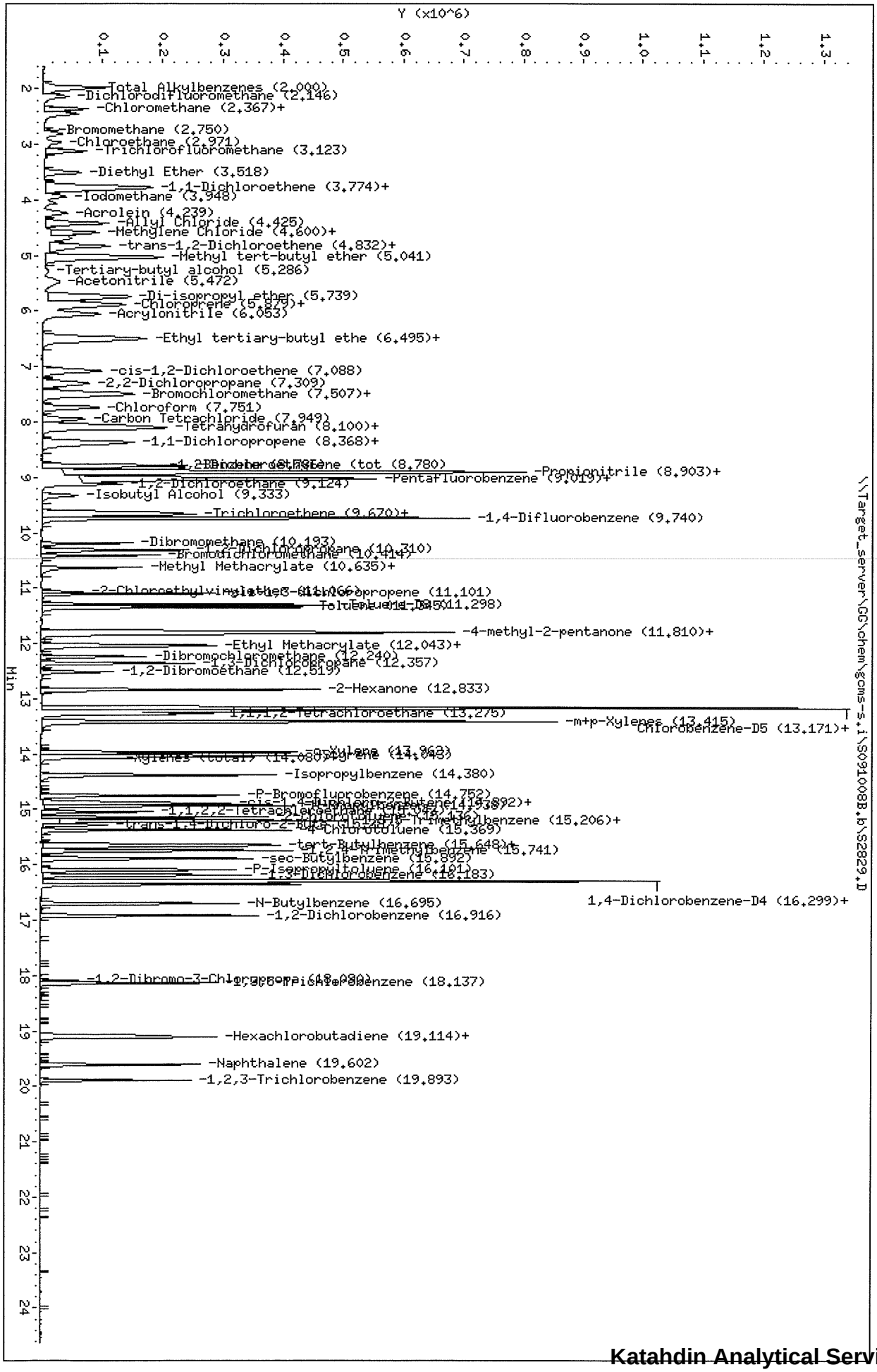
COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	470511	235256	941022	472288	0.38
49 1,4-Difluorobenze	756830	378415	1513660	759798	0.39
66 Chlorobenzene-D5	618857	309429	1237714	626101	1.17
91 1,4-Dichlorobenze	303284	151642	606568	306492	1.06

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	9.02	8.52	9.52	9.02	-0.01
49 1,4-Difluorobenze	9.74	9.24	10.24	9.74	-0.01
66 Chlorobenzene-D5	13.16	12.66	13.66	13.16	-0.00
91 1,4-Dichlorobenze	16.30	15.80	16.80	16.30	-0.00

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.

Data File: \\Target_server\GC\chem\gcms-s.i\S091008B.b\S2829.D
Date : 10-SEP-2008 15:55
Client ID:
Sample Info: VSTD020S10A
Purge Volume: 5.0
Column phase: RTX-VMS

Instrument: gcms-s.i
Operator: SKT
Column diameter: 0.18



Data File: \\Target_server\GG\chem\gcms-s.i\S091008B.b\S2830.D
Report Date: 24-Sep-2008 15:23

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gcms-s.i\S091008B.b\S2830.D
Lab Smp Id: VSTD005S10A
Inj Date : 10-SEP-2008 16:26
Operator : SKT Inst ID: gcms-s.i
Smp Info : VSTD005S10A
Misc Info : SW846 8260B
Comment :
Method : \\target_server\GG\chem\gcms-s.i\S091008B.b\s826a63.m
Meth Date : 17-Sep-2008 13:26 sthompson Quant Type: ISTD
Cal Date : 10-SEP-2008 16:26 Cal File: S2830.D
Als bottle: 6 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.12
Processing Host: V200T3

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	sample purged
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)	REVIEW CODE
1 Dichlorodifluoromethane	85	2.146	2.146	(0.238)	21941	5.00000	4.4	
2 Chloromethane	50	2.355	2.356	(0.261)	36597	5.00000	4.7	
3 Vinyl chloride	62	2.448	2.449	(0.271)	28227	5.00000	4.6	
4 Bromomethane	94	2.820	2.821	(0.313)	9984	5.00000	3.9	
5 Chloroethane	64	2.971	2.972	(0.329)	15683	5.00000	5.3	
6 Trichlorofluoromethane	101	3.123	3.123	(0.346)	24306	5.00000	4.4	
7 Diethyl Ether	59	3.518	3.507	(0.390)	17792	5.00000	4.8	
8 Tertiary-butyl alcohol	59	5.297	5.298	(0.587)	7353	25.0000	25.8	
9 1,1-Dichloroethene	96	3.762	3.751	(0.417)	16834	5.00000	4.5	
10 Carbon Disulfide	76	3.785	3.786	(0.420)	61024	5.00000	4.7	
11 Freon-113	151	3.820	3.821	(0.424)	12757	5.00000	4.5	
12 Iodomethane	142	3.948	3.949	(0.438)	20748	5.00000	4.4	
13 Acrolein	56	4.239	4.240	(0.470)	19535	25.0000	23.2	
14 Methylene Chloride	84	4.588	4.600	(0.509)	24747	5.00000	4.6(a)	
15 Acetone	43	4.693	4.693	(0.520)	33698	25.0000	22.3	
16 Isobutyl Alcohol	43	9.333	9.333	(1.035)	15416	100.000	92.0	
17 trans-1,2-Dichloroethene	96	4.832	4.833	(0.536)	20375	5.00000	4.6	
18 Allyl Chloride	41	4.425	4.426	(0.491)	36994	5.00000	4.4	
19 Methyl tert-butyl ether	73	5.041	5.042	(0.559)	108053	10.0000	9.3	
20 Acetonitrile	39	5.507	5.472	(0.611)	5056	50.0000	53.3(M)	M9
21 Di-isopropyl ether	45	5.751	5.740	(0.638)	100473	5.00000	4.8	
22 Chloroprene	53	5.879	5.868	(0.652)	35841	5.00000	4.9	
23 Propionitrile	54	8.891	8.891	(0.986)	30795	50.0000	50.0	

SKT 092408

Data File: \\Target_server\GG\chem\gcms-s.i\S091008B.b\S2830.D
Report Date: 24-Sep-2008 15:23

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)	REVIEW CODE
	24 Methacrylonitrile	41	8.914	8.915	(0.988)	172930	50.0000	51.4	
	25 1,1-Dichloroethane	63	5.925	5.914	(0.657)	43920	5.00000	4.7	
	26 Acrylonitrile	52	6.053	6.054	(0.671)	38317	25.0000	23.1	
	27 Ethyl tertiary-butyl ether	59	6.495	6.496	(0.720)	83098	5.00000	5.2	
	28 Vinyl Acetate	43	6.518	6.507	(0.669)	67199	5.00000	4.9	
	29 cis-1,2-Dichloroethene	96	7.088	7.089	(0.786)	25244	5.00000	4.8	
M	30 1,2-Dichloroethylene (total)	96				45619	5.00000	9.3	
	31 Methyl Methacrylate	41	10.635	10.636	(1.092)	23553	5.00000	4.9	
	32 2,2-Dichloropropane	77	7.309	7.310	(0.810)	30099	5.00000	4.4	
	33 Bromochloromethane	128	7.519	7.519	(0.834)	12062	5.00000	4.8	
	34 Chloroform	83	7.740	7.740	(0.858)	41398	5.00000	4.8	
	35 Carbon Tetrachloride	117	7.949	7.949	(0.816)	21605	5.00000	4.5	
	36 Tetrahydrofuran	42	8.065	8.054	(0.894)	38636	25.0000	23.7	
$	37 Dibromofluoromethane	113	8.123	8.124	(0.901)	24241	5.00000	4.5	
	38 1,1,1-Trichloroethane	97	8.100	8.101	(0.898)	29051	5.00000	4.6	
	39 1,1-Dichloropropene	75	8.356	8.356	(0.858)	30354	5.00000	4.7	
	40 2-Butanone	43	8.414	8.403	(0.933)	62294	25.0000	23.5	
	41 Benzene	78	8.786	8.787	(0.902)	89464	5.00000	4.8	
*	42 Pentafluorobenzene	168	9.019	9.019	(1.000)	477500	50.0000		
	43 Cyclohexane	56	7.472	7.484	(0.829)	31243	5.00000	4.3	
	44 Ethyl Methacrylate	69	12.054	12.055	(1.238)	27609	5.00000	4.9	
$	45 1,2-Dichloroethane-D4	65	9.019	9.019	(1.000)	26247	5.00000	4.5	
	46 Tertiary-amyl methyl ether	73	9.054	9.054	(1.004)	62857	5.00000	4.8	
	47 1,2-Dichloroethane	62	9.123	9.124	(0.937)	32950	5.00000	4.8	
	48 Trichloroethene	95	9.670	9.671	(0.993)	23071	5.00000	4.8	
*	49 1,4-Difluorobenzene	114	9.740	9.740	(1.000)	749440	50.0000		
	50 Dibromomethane	93	10.193	10.194	(1.047)	15144	5.00000	4.8	
	51 1,2-Dichloropropane	63	10.310	10.310	(1.059)	25722	5.00000	5.0	
	52 Bromodichloromethane	83	10.414	10.415	(1.069)	30705	5.00000	4.7	
	53 cis-1,3-dichloropropene	75	11.101	11.101	(1.140)	37970	5.00000	4.9	
	54 1,4-Dioxane	88	10.670	10.659	(1.096)	5271	100.000	126	
$	55 Toluene-D8	98	11.298	11.299	(1.160)	75257	5.00000	4.8	
	56 2-Chloroethylvinylether	63	11.066	11.066	(1.136)	7344	5.00000	4.7	
	57 Toluene	92	11.356	11.357	(1.166)	52763	5.00000	4.9	
	58 4-methyl-2-pentanone	43	11.810	11.811	(1.213)	134587	25.0000	26.7	
	59 Tetrachloroethene	164	11.775	11.776	(0.895)	15897	5.00000	4.4	
	60 trans-1,3-Dichloropropene	75	11.845	11.845	(1.216)	30595	5.00000	4.7	
	61 1,1,2-Trichloroethane	83	12.031	12.032	(1.235)	17705	5.00000	5.0	
	62 Dibromochloromethane	129	12.240	12.241	(0.930)	23230	5.00000	4.4	
	63 1,3-Dichloropropane	76	12.357	12.357	(0.939)	35494	5.00000	4.7	
	64 1,2-Dibromoethane	107	12.519	12.520	(1.285)	22151	5.00000	5.0	
	65 2-Hexanone	43	12.833	12.834	(0.975)	90365	25.0000	24.1	
*	66 Chlorobenzene-D5	117	13.159	13.160	(1.000)	643931	50.0000		
	67 Chlorobenzene	112	13.182	13.183	(1.002)	58708	5.00000	4.9	
	152 1-Chlorohexane	91	13.171	13.171	(1.460)	27550	5.00000	4.6	
	68 Ethylbenzene	106	13.229	13.229	(1.005)	28761	5.00000	4.6	
	69 1,1,1,2-Tetrachloroethane	131	13.275	13.276	(1.009)	20723	5.00000	4.6	
M	70 Xylenes (total)	106				106469	15.0000	14.0	
	71 m+p-Xylenes	106	13.415	13.415	(1.019)	71298	10.0000	9.5	
	72 o-Xylene	106	13.961	13.974	(1.061)	35171	5.00000	4.6	
	73 Styrene	104	14.043	14.044	(1.067)	61146	5.00000	4.7	
	74 Bromoform	173	14.066	14.067	(1.069)	14758	5.00000	4.5	
	75 Isopropylbenzene	105	14.380	14.381	(0.882)	74285	5.00000	4.7	
$	76 P-Bromofluorobenzene	95	14.752	14.753	(1.515)	30402	5.00000	4.8	

Data File: \\Target_server\GG\chem\gcms-s.i\S091008B.b\S2830.D
Report Date: 24-Sep-2008 15:23

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)	REVIEW CODE
77	cis-1,4-Dichloro-2-Butene	53	14.857	14.858	(0.912)	5390	5.00000	4.1	
78	trans-1,4-Dichloro-2-Butene	53	15.276	15.288	(0.937)	6035	5.00000	4.2	
79	Bromobenzene	156	14.892	14.892	(0.914)	24878	5.00000	4.9	
80	N-Propylbenzene	91	14.938	14.939	(0.917)	98721	5.00000	4.6	
81	1,1,2,2-Tetrachloroethane	83	15.043	15.044	(0.923)	26085	5.00000	5.0	
82	1,3,5-Trimethylbenzene	105	15.206	15.206	(0.933)	66328	5.00000	4.8	
83	2-Chlorotoluene	91	15.136	15.137	(0.929)	65016	5.00000	4.8	
84	1,2,3-Trichloropropane	75	15.217	15.218	(0.934)	20596	5.00000	5.2	
85	4-Chlorotoluene	91	15.369	15.369	(0.943)	70397	5.00000	5.0	
86	tert-Butylbenzene	119	15.636	15.637	(0.959)	66144	5.00000	4.7	
87	Pentachloroethane	117	15.671	15.672	(0.961)	17475	5.00000	5.0	
88	1,2,4-Trimethylbenzene	105	15.741	15.741	(0.966)	71443	5.00000	4.8	
89	P-Isopropyltoluene	119	16.101	16.102	(0.988)	59533	5.00000	4.5	
90	1,3-Dichlorobenzene	146	16.183	16.183	(0.993)	44034	5.00000	4.9	
* 91	1,4-Dichlorobenzene-D4	152	16.299	16.300	(1.000)	307298	50.0000		
92	1,4-Dichlorobenzene	146	16.311	16.323	(1.001)	42298	5.00000	4.8	
93	N-Butylbenzene	91	16.694	16.695	(1.024)	54374	5.00000	4.4	
94	sec-Butylbenzene	105	15.892	15.893	(0.975)	75750	5.00000	4.5	
95	1,2-Dichlorobenzene	146	16.915	16.916	(1.038)	42012	5.00000	4.9	
96	1,2-Dibromo-3-Chloropropane	75	18.090	18.091	(1.110)	4140	5.00000	4.4	
97	1,3,5-Trichlorobenzene	180	18.137	18.137	(1.113)	26860	5.00000	4.7	
98	Hexachlorobutadiene	225	19.079	19.079	(1.171)	9589	5.00000	4.6	
99	1,2,4-Trichlorobenzene	180	19.113	19.114	(1.173)	26275	5.00000	4.9	
100	1,2,3-Trimethylbenzene	105	16.357	16.358	(1.004)	73340	5.00000	5.0	
101	Naphthalene	128	19.602	19.603	(1.203)	57839	5.00000	4.8	
102	1,2,3-Trichlorobenzene	180	19.893	19.893	(1.220)	24446	5.00000	4.9	
103	Methyl Acetate	43	4.890	4.891	(0.542)	19285	5.00000	4.7	
104	Methylcyclohexane	83	9.635	9.636	(1.068)	25169	5.00000	4.5	
M 153	Total Alkylbenzenes	100				492293	5.00000	32.4	

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
M - Compound response manually integrated.

Data File: \\Target_server\GG\chem\gcms-s.i\S091008B.b\S2830.D
Report Date: 24-Sep-2008 15:23

Katahdin Analytical Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcms-s.i
Lab File ID: S2830.D
Lab Smp Id: VSTD005S10A
Analysis Type: VOA
Quant Type: ISTD
Operator: SKT
Method File: \\target_server\GG\chem\gcms-s.i\S091008B.b\s826a63.m
Misc Info: SW846 8260B

Calibration Date: 10-SEP-2008
Calibration Time: 15:24

Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 4

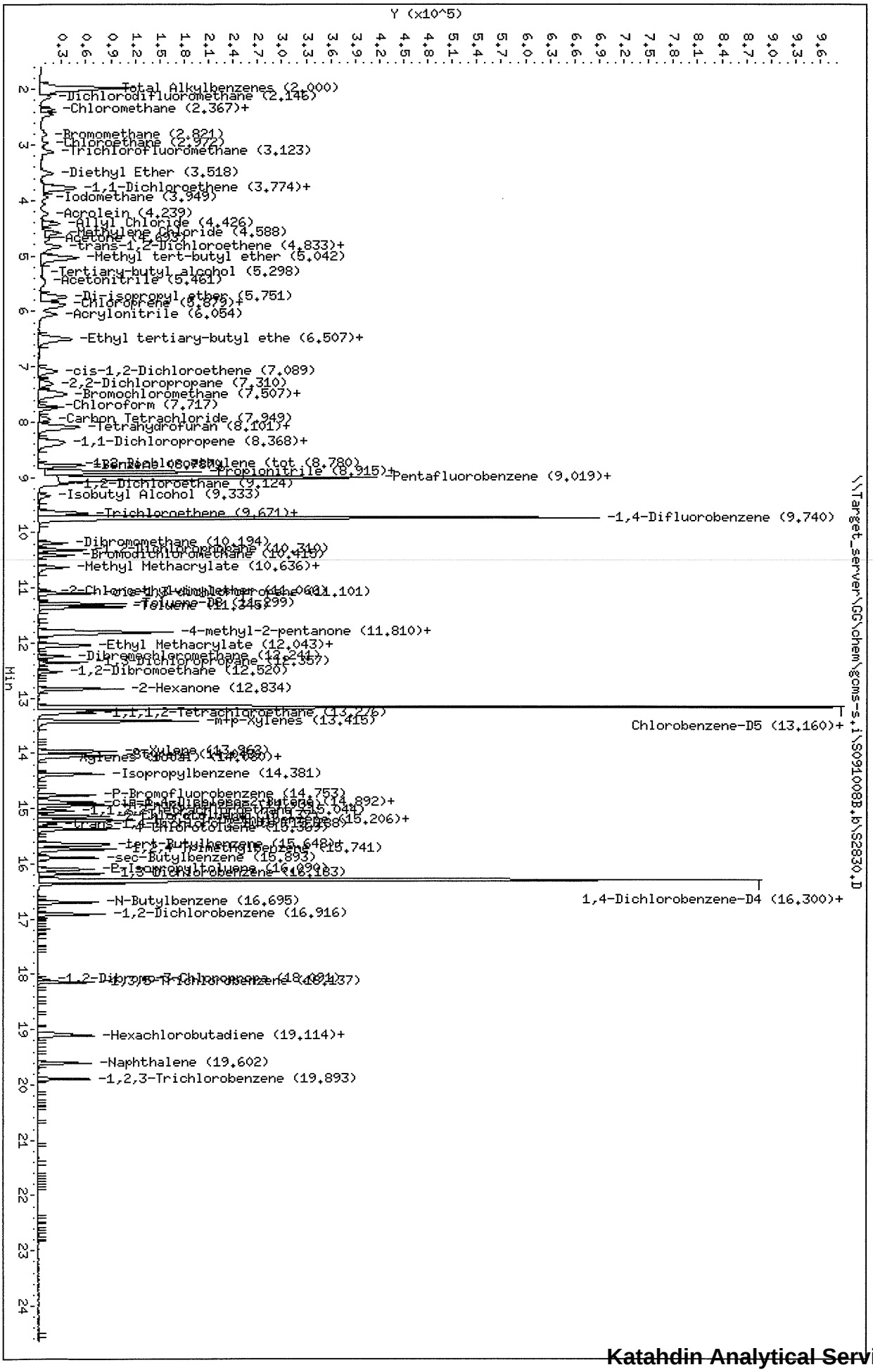
COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	470511	235256	941022	477500	1.49
49 1,4-Difluorobenze	756830	378415	1513660	749440	-0.98
66 Chlorobenzene-D5	618857	309429	1237714	643931	4.05
91 1,4-Dichlorobenze	303284	151642	606568	307298	1.32

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	9.02	8.52	9.52	9.02	-0.00
49 1,4-Difluorobenze	9.74	9.24	10.24	9.74	-0.00
66 Chlorobenzene-D5	13.16	12.66	13.66	13.16	-0.00
91 1,4-Dichlorobenze	16.30	15.80	16.80	16.30	-0.00

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.

Data File: \\Target_server\GC\chem\gcms-s.i\S091008B.b\S2830.D
Date : 10-SEP-2008 16:26
Client ID:
Sample Info: VSTD005S10A
Purge Volume: 5.0
Column phase: RTX-VMS

Instrument: gcms-s.i
Operator: SKT
Column diameter: 0.18



Data File: \\Target_server\GG\chem\gcms-s.i\S091008B.b\S2831.D
Report Date: 24-Sep-2008 15:23

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gcms-s.i\S091008B.b\S2831.D
Lab Smp Id: VSTD001S10A
Inj Date : 10-SEP-2008 16:57
Operator : SKT Inst ID: gcms-s.i
Smp Info : VSTD001S10A
Misc Info : SW846 8260B
Comment :
Method : \\target_server\GG\chem\gcms-s.i\S091008B.b\s826a63.m
Meth Date : 17-Sep-2008 13:26 sthompson Quant Type: ISTD
Cal Date : 10-SEP-2008 16:57 Cal File: S2831.D
Als bottle: 7 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.12
Processing Host: V200T3

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	sample purged
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)	REVIEW CODE
1 Dichlorodifluoromethane	85	2.145	2.146	(0.238)	4757	1.00000	0.95(a)	
2 Chloromethane	50	2.366	2.356	(0.262)	8887	1.00000	1.2	
3 Vinyl chloride	62	2.448	2.449	(0.271)	6526	1.00000	1.1	
4 Bromomethane	94	2.808	2.821	(0.311)	2768	1.00000	1.1	
5 Chloroethane	64	2.971	2.972	(0.329)	3603	1.00000	1.2	
6 Trichlorofluoromethane	101	3.134	3.123	(0.348)	5928	1.00000	1.1	
7 Diethyl Ether	59	3.518	3.507	(0.390)	3669	1.00000	0.98(a)	
8 Tertiary-butyl alcohol	59	5.320	5.298	(0.590)	1243	5.00000	4.1(aM)	M9
9 1,1-Dichloroethene	96	3.762	3.751	(0.417)	4189	1.00000	1.1	
10 Carbon Disulfide	76	3.785	3.786	(0.420)	14443	1.00000	1.1	
11 Freon-113	151	3.808	3.821	(0.422)	2715	1.00000	0.96(a)	
12 Iodomethane	142	3.948	3.949	(0.438)	4363	1.00000	0.92(a)	
13 Acrolein	56	4.239	4.240	(0.470)	4270	5.00000	5.1(a)	
14 Methylene Chloride	84	4.588	4.600	(0.509)	7554	1.00000	1.4(a)	
15 Acetone	43	4.692	4.693	(0.520)	8724	5.00000	5.8	
16 Isobutyl Alcohol	43	9.333	9.333	(1.035)	3501	20.0000	20.9	
17 trans-1,2-Dichloroethene	96	4.843	4.833	(0.537)	4782	1.00000	1.1	
18 Allyl Chloride	41	4.425	4.426	(0.491)	9044	1.00000	1.1	
19 Methyl tert-butyl ether	73	5.041	5.042	(0.559)	23380	2.00000	2.0	
20 Acetonitrile	39	5.425	5.472	(0.602)	1452	10.0000	12.5(aM)	M9
21 Di-isopropyl ether	45	5.762	5.740	(0.639)	19984	1.00000	0.96(aM)	M6
22 Chloroprene	53	5.890	5.868	(0.653)	7801	1.00000	0.98(aM)	M9
23 Propionitrile	54	8.891	8.891	(0.986)	6122	10.0000	10	

SKT 09/24/08

Data File: \\Target_server\GG\chem\gcms-s.i\S091008B.b\S2831.D
Report Date: 24-Sep-2008 15:23

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)	REVIEW CODE
	24 Methacrylonitrile	41	8.914	8.915	(0.988)	36767	10.0000	10.9	
	25 1,1-Dichloroethane	63	5.925	5.914	(0.657)	10049	1.00000	1.1	
	26 Acrylonitrile	52	6.076	6.054	(0.674)	8553	5.00000	5.2	
	27 Ethyl tertiary-butyl ether	59	6.483	6.496	(0.719)	16848	1.00000	0.98(aM)	M9
	28 Vinyl Acetate	43	6.530	6.507	(0.670)	14788	1.00000	1.1	
	29 cis-1,2-Dichloroethene	96	7.100	7.089	(0.787)	5499	1.00000	1.0	
M	30 1,2-Dichloroethylene (total)	96				10281	1.00000	2.1	
	31 Methyl Methacrylate	41	10.635	10.636	(1.092)	5042	1.00000	1.0	
	32 2,2-Dichloropropane	77	7.309	7.310	(0.810)	7326	1.00000	1.1	
	33 Bromochloromethane	128	7.530	7.519	(0.835)	2569	1.00000	1.0	
	34 Chloroform	83	7.751	7.740	(0.859)	9611	1.00000	1.1	
	35 Carbon Tetrachloride	117	7.949	7.949	(0.816)	4493	1.00000	0.92(a)	
	36 Tetrahydrofuran	42	8.088	8.054	(0.897)	10325	5.00000	6.4	
$	37 Dibromofluoromethane	113	8.123	8.124	(0.901)	5173	1.00000	0.97(a)	
	38 1,1,1-Trichloroethane	97	8.111	8.101	(0.899)	6353	1.00000	1.0	
	39 1,1-Dichloropropene	75	8.356	8.356	(0.858)	6978	1.00000	1.1	
	40 2-Butanone	43	8.414	8.403	(0.933)	15159	5.00000	5.7	
	41 Benzene	78	8.798	8.787	(0.903)	21750	1.00000	1.2	SKT 09 24 08
*	42 Pentafluorobenzene	168	9.018	9.019	(1.000)	477078	50.0000		
	43 Cyclohexane	56	7.483	7.484	(0.830)	7981	1.00000	1.1	
	44 Ethyl Methacrylate	69	12.054	12.055	(1.238)	5845	1.00000	1.0	
$	45 1,2-Dichloroethane-D4	65	9.030	9.019	(1.001)	6870	1.00000	1.2	
	46 Tertiary-amyl methyl ether	73	9.053	9.054	(1.004)	13837	1.00000	1.0	
	47 1,2-Dichloroethane	62	9.123	9.124	(0.937)	7334	1.00000	1.1	
	48 Trichloroethene	95	9.670	9.671	(0.993)	5587	1.00000	1.2	
*	49 1,4-Difluorobenzene	114	9.740	9.740	(1.000)	752163	50.0000		
	50 Dibromomethane	93	10.193	10.194	(1.047)	3268	1.00000	1.0	
	51 1,2-Dichloropropane	63	10.309	10.310	(1.059)	5987	1.00000	1.1(M)	M6
	52 Bromodichloromethane	83	10.414	10.415	(1.069)	6627	1.00000	1.0	
	53 cis-1,3-dichloropropene	75	11.112	11.101	(1.141)	7983	1.00000	1.0	
	54 1,4-Dioxane	88	10.670	10.659	(1.096)	1506	20.0000	33.9(M)	M9
$	55 Toluene-D8	98	11.298	11.299	(1.160)	16658	1.00000	1.1	
	56 2-Chloroethylvinylether	63	11.065	11.066	(1.136)	1590	1.00000	1.0	
	57 Toluene	92	11.356	11.357	(1.166)	12270	1.00000	1.1	
	58 4-methyl-2-pentanone	43	11.810	11.811	(1.213)	29644	5.00000	5.9	
	59 Tetrachloroethene	164	11.786	11.776	(0.895)	3938	1.00000	1.1	
	60 trans-1,3-Dichloropropene	75	11.845	11.845	(1.216)	6591	1.00000	1.0	
	61 1,1,2-Trichloroethane	83	12.031	12.032	(1.235)	3901	1.00000	1.1	
	62 Dibromochloromethane	129	12.240	12.241	(0.929)	5199	1.00000	0.99(a)	
	63 1,3-Dichloropropane	76	12.356	12.357	(0.938)	8094	1.00000	1.1	
	64 1,2-Dibromoethane	107	12.519	12.520	(1.285)	4567	1.00000	1.0(M)	M6
	65 2-Hexanone	43	12.833	12.834	(0.974)	20925	5.00000	5.6	
*	66 Chlorobenzene-D5	117	13.170	13.160	(1.000)	645676	50.0000		
	67 Chlorobenzene	112	13.182	13.183	(1.001)	13111	1.00000	1.1	
	152 1-Chlorohexane	91	13.170	13.171	(1.460)	7401	1.00000	1.2	
	68 Ethylbenzene	106	13.228	13.229	(1.004)	6735	1.00000	1.1	
	69 1,1,1,2-Tetrachloroethane	131	13.275	13.276	(1.008)	4339	1.00000	0.97(aM)	M10
M	70 Xylenes (total)	106				25613	5.00000	3.4	
	71 m+p-Xylenes	106	13.415	13.415	(1.019)	17258	2.00000	2.3	
	72 o-Xylene	106	13.973	13.974	(1.061)	8355	1.00000	1.1	
	73 Styrene	104	14.043	14.044	(1.066)	13439	1.00000	1.0	
	74 Bromoform	173	14.066	14.067	(1.068)	3072	1.00000	0.94(Ta)	
	75 Isopropylbenzene	105	14.380	14.381	(0.882)	17824	1.00000	1.1	
$	76 P-Bromofluorobenzene	95	14.752	14.753	(1.515)	7060	1.00000	1.1	

Data File: \\Target_server\GG\chem\gcms-s.i\S091008B.b\S2831.D
Report Date: 24-Sep-2008 15:23

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)	REVIEW CODE
77 cis-1,4-Dichloro-2-Butene	53	14.857	14.858	(0.912)	882	1.00000	0.68(a)	
78 trans-1,4-Dichloro-2-Butene	53	15.287	15.288	(0.938)	1243	1.00000	0.87(a)	
79 Bromobenzene	156	14.892	14.892	(0.914)	5461	1.00000	1.1	
80 N-Propylbenzene	91	14.938	14.939	(0.917)	23604	1.00000	1.1	
81 1,1,2,2-Tetrachloroethane	83	15.043	15.044	(0.923)	5603	1.00000	1.1	
82 1,3,5-Trimethylbenzene	105	15.206	15.206	(0.933)	14973	1.00000	1.1	
83 2-Chlorotoluene	91	15.147	15.137	(0.929)	14966	1.00000	1.1	
84 1,2,3-Trichloropropane	75	15.217	15.218	(0.934)	4533	1.00000	1.1	
85 4-Chlorotoluene	91	15.368	15.369	(0.943)	16132	1.00000	1.1	
86 tert-Butylbenzene	119	15.636	15.637	(0.959)	14770	1.00000	1.1	
87 Pentachloroethane	117	15.671	15.672	(0.961)	3321	1.00000	0.96(a)	
88 1,2,4-Trimethylbenzene	105	15.741	15.741	(0.966)	16020	1.00000	1.1	
89 P-Isopropyltoluene	119	16.101	16.102	(0.988)	13701	1.00000	1.0	
90 1,3-Dichlorobenzene	146	16.194	16.183	(0.994)	9969	1.00000	1.1	
* 91 1,4-Dichlorobenzene-D4	152	16.299	16.300	(1.000)	304839	50.0000		
92 1,4-Dichlorobenzene	146	16.310	16.323	(1.001)	9796	1.00000	1.1	
93 N-Butylbenzene	91	16.694	16.695	(1.024)	13400	1.00000	1.1	
94 sec-Butylbenzene	105	15.892	15.893	(0.975)	17596	1.00000	1.1	
95 1,2-Dichlorobenzene	146	16.915	16.916	(1.038)	9594	1.00000	1.1	
96 1,2-Dibromo-3-Chloropropane	75	18.090	18.091	(1.110)	1036	1.00000	1.1	
97 1,3,5-Trichlorobenzene	180	18.136	18.137	(1.113)	6208	1.00000	1.1	
98 Hexachlorobutadiene	225	19.078	19.079	(1.171)	2394	1.00000	1.2	
99 1,2,4-Trichlorobenzene	180	19.113	19.114	(1.173)	6120	1.00000	1.1	
100 1,2,3-Trimethylbenzene	105	16.357	16.358	(1.004)	14954	1.00000	1.0	
101 Naphthalene	128	19.602	19.603	(1.203)	15328	1.00000	1.3	
102 1,2,3-Trichlorobenzene	180	19.892	19.893	(1.220)	6340	1.00000	1.3	
103 Methyl Acetate	43	4.913	4.891	(0.545)	4287	1.00000	1.0	
104 Methylcyclohexane	83	9.635	9.636	(1.068)	5266	1.00000	0.95(a)	
M 153 Total Alkylbenzenes	100				114064	1.00000	7.6	

QC Flag Legend

T - Target compound detected outside RT window.
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
M - Compound response manually integrated.

Data File: \\Target_server\GG\chem\gcms-s.i\S091008B.b\S2831.D
Report Date: 24-Sep-2008 15:23

Katahdin Analytical Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcms-s.i
Lab File ID: S2831.D
Lab Smp Id: VSTD001S10A
Analysis Type: VOA
Quant Type: ISTD
Operator: SKT
Method File: \\target_server\GG\chem\gcms-s.i\S091008B.b\s826a63.m
Misc Info: SW846 8260B

Calibration Date: 10-SEP-2008
Calibration Time: 15:24

Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 4

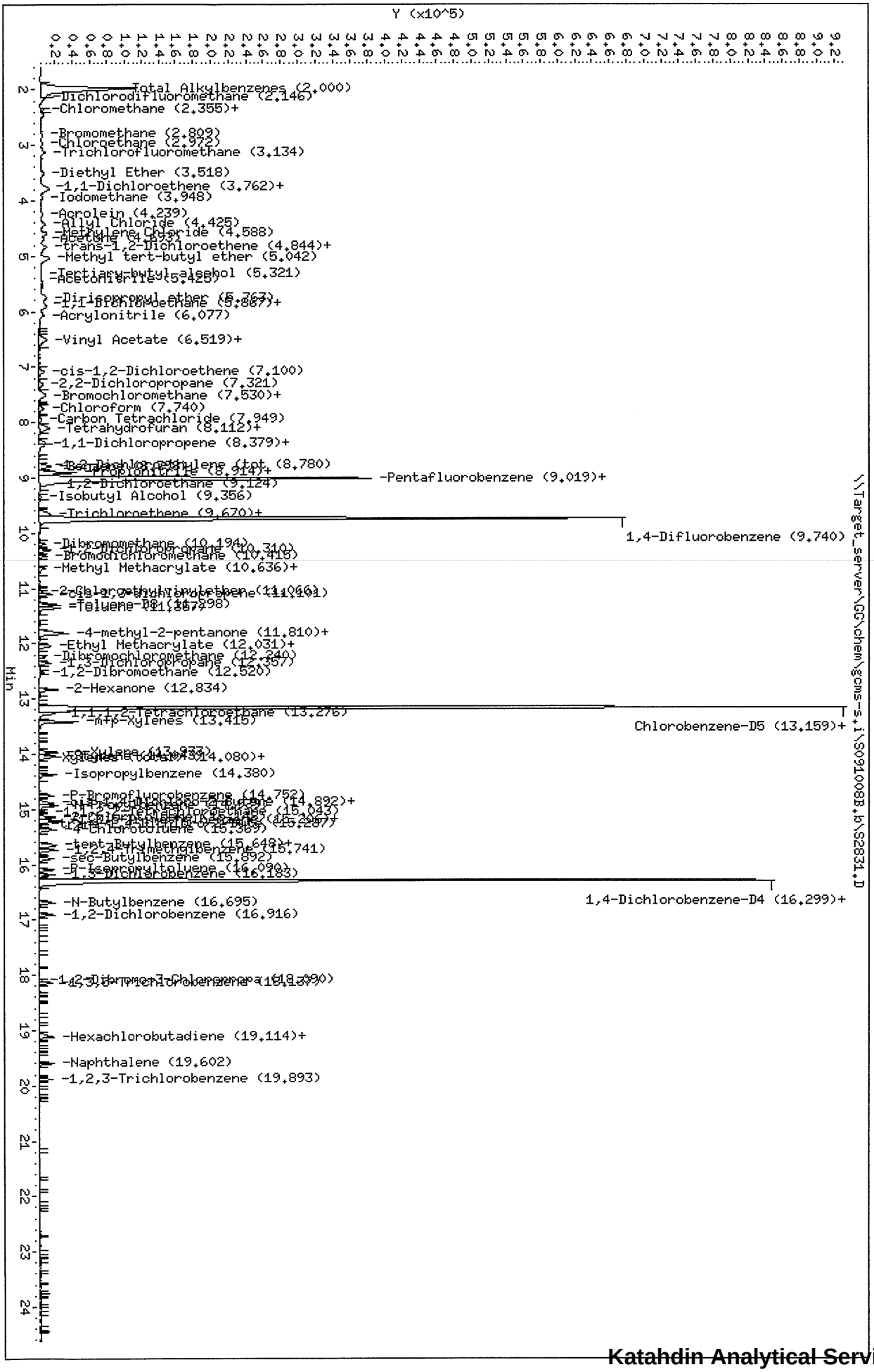
COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	470511	235256	941022	477078	1.40
49 1,4-Difluorobenze	756830	378415	1513660	752163	-0.62
66 Chlorobenzene-D5	618857	309429	1237714	645676	4.33
91 1,4-Dichlorobenze	303284	151642	606568	304839	0.51

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	9.02	8.52	9.52	9.02	-0.00
49 1,4-Difluorobenze	9.74	9.24	10.24	9.74	-0.00
66 Chlorobenzene-D5	13.16	12.66	13.66	13.17	0.09
91 1,4-Dichlorobenze	16.30	15.80	16.80	16.30	-0.00

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.

Data File: \\Target_server\GC\chem\gcms-s.i\S091008B.b\S2831.D
Date : 10-SEP-2008 16:57
Client ID:
Sample Info: VSTD001S10A
Purge Volume: 5.0
Column phase: RTX-VMS

Instrument: gcms-s.i
Operator: SKT
Column diameter: 0.18



Data File: \\Target_server\GG\chem\gcms-s.i\S091008B.b\S2838.D
Report Date: 24-Sep-2008 15:23

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gcms-s.i\S091008B.b\S2838.D
Lab Smp Id: IND CHECK
Inj Date : 10-SEP-2008 20:39
Operator : SKT Inst ID: gcms-s.i
Smp Info : IND CHECK
Misc Info : SW846 8260B
Comment :
Method : \\target_server\GG\chem\gcms-s.i\S091008B.b\s826a63.m
Meth Date : 17-Sep-2008 13:26 sthompson Quant Type: ISTD
Cal Date : 10-SEP-2008 16:57 Cal File: S2831.D
Als bottle: 14 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.12
Processing Host: V200T3

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)	REVIEW CODE
1 Dichlorodifluoromethane	85	2.134	2.146	(0.237)	257775	53.4668	53.5	
2 Chloromethane	50	2.355	2.356	(0.261)	351848	47.3272	47.3	
3 Vinyl chloride	62	2.437	2.449	(0.270)	287652	48.5847	48.6	
4 Bromomethane	94	2.809	2.821	(0.311)	118850	48.1848	48.2	
5 Chloroethane	64	2.960	2.972	(0.328)	122638	42.7209	42.7	
6 Trichlorofluoromethane	101	3.111	3.123	(0.345)	280191	52.7375	52.7	
7 Diethyl Ether	59	3.507	3.507	(0.389)	153213	42.5800	42.6	
8 Tertiary-butyl alcohol	59	5.321	5.298	(0.590)	85635	291.814	292	
9 1,1-Dichloroethene	96	3.751	3.751	(0.416)	159807	44.0225	44.0	
10 Carbon Disulfide	76	3.774	3.786	(0.418)	591546	46.9095	46.9	
11 Freon-113	151	3.797	3.821	(0.421)	129809	47.5178	47.5	
12 Iodomethane	142	3.937	3.949	(0.437)	221128	48.3978	48.4	
13 Acrolein	56	4.239	4.240	(0.470)	164370	202.774	203	
14 Methylene Chloride	84	4.588	4.600	(0.509)	254405	53.4572	53.4	
15 Acetone	43	4.716	4.693	(0.523)	83436	57.2318	57.2	
16 Isobutyl Alcohol	43	9.333	9.333	(1.035)	161519	1000.25	1000	
17 trans-1,2-Dichloroethene	96	4.821	4.833	(0.535)	234747	54.8180	54.8	
18 Allyl Chloride	41	4.414	4.426	(0.489)	414293	51.6691	51.7	
19 Methyl tert-butyl ether	73	5.042	5.042	(0.559)	1306972	117.312	117	
20 Acetonitrile	39	5.495	5.472	(0.609)	59201	528.567	528	
21 Di-isopropyl ether	45	5.739	5.740	(0.636)	967930	48.4616	48.5	
22 Chloroprene	53	5.856	5.868	(0.649)	361807	47.3509	47.4	
23 Propionitrile	54	8.891	8.891	(0.986)	314550	530.382	530	

Data File: \\Target_server\GG\chem\gcms-s.i\S091008B.b\S2838.D
Report Date: 24-Sep-2008 15:23

		Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	FINAL (ug/l)	REVIEW CODE
	24	Methacrylonitrile	41	8.903	8.915	(0.987)	1651846	510.147	510	
	25	1,1-Dichloroethane	63	5.914	5.914	(0.656)	454351	50.3699	50.4	
	26	Acrylonitrile	52	6.053	6.054	(0.671)	421574	264.135	264	
	27	Ethyl tertiary-butyl ether	59	6.484	6.496	(0.719)	828638	50.1968	50.2	
	28	Vinyl Acetate	43	6.519	6.507	(0.669)	615016	47.5776	47.6	
	29	cis-1,2-Dichloroethene	96	7.077	7.089	(0.785)	256245	50.1009	50.1	
M	30	1,2-Dichloroethylene (total)	96				490992	104.919	105	
	31	Methyl Methacrylate	41	10.624	10.636	(1.091)	234502	51.6883	51.7	
	32	2,2-Dichloropropane	77	7.298	7.310	(0.809)	292901	44.0409	44.0	
	33	Bromochloromethane	128	7.519	7.519	(0.834)	132050	54.5045	54.5	
	34	Chloroform	83	7.740	7.740	(0.858)	428346	51.0606	51.1	
	35	Carbon Tetrachloride	117	7.949	7.949	(0.816)	246423	54.3682	54.4	
	36	Tetrahydrofuran	42	8.065	8.054	(0.894)	78832	50.2920	50.3	
$	37	Dibromofluoromethane	113	8.345	8.124	(0.925)	4660	0.90717	0.91(aR)	
	38	1,1,1-Trichloroethane	97	8.100	8.101	(0.898)	315474	52.1399	52.1	
	39	1,1-Dichloropropene	75	8.345	8.356	(0.857)	323759	53.0983	53.1	
	40	2-Butanone	43	8.403	8.403	(0.932)	130819	51.3006	51.3	
	41	Benzene	78	8.786	8.787	(0.902)	890751	50.4909	50.5	
*	42	Pentafluorobenzene	168	9.019	9.019	(1.000)	460008	50.0000		
	43	Cyclohexane	56	7.472	7.484	(0.829)	335852	48.4455	48.4	
	44	Ethyl Methacrylate	69	12.054	12.055	(1.238)	279501	53.3188	53.3	
$	45	1,2-Dichloroethane-D4	65	9.124	9.019	(1.012)	13097	2.34807	2.3(R)	
	46	Tertiary-amyl methyl ether	73	9.054	9.054	(1.004)	633806	50.2209	50.2	
	47	1,2-Dichloroethane	62	9.124	9.124	(0.937)	333784	52.2655	52.3	
	48	Trichloroethene	95	9.670	9.671	(0.993)	222328	49.8820	49.9	
*	49	1,4-Difluorobenzene	114	9.740	9.740	(1.000)	702476	50.0000		
	50	Dibromomethane	93	10.194	10.194	(1.047)	158969	54.2034	54.2	
	51	1,2-Dichloropropane	63	10.310	10.310	(1.059)	241015	48.7966	48.8	
	52	Bromodichloromethane	83	10.415	10.415	(1.069)	308656	50.6978	50.7	
	53	cis-1,3-dichloropropene	75	11.101	11.101	(1.140)	373782	51.0986	51.1	
	54	1,4-Dioxane	88	10.659	10.659	(1.094)	23742	572.848	573	
	56	2-Chloroethylvinylether	63	11.066	11.066	(1.136)	84377	57.2364	57.2	
	57	Toluene	92	11.345	11.357	(1.165)	536102	53.1305	53.1	
	58	4-methyl-2-pentanone	43	11.810	11.811	(1.213)	250224	53.0509	53.0	
	59	Tetrachloroethene	164	11.775	11.776	(0.895)	199128	58.4540	58.4	
	60	trans-1,3-Dichloropropene	75	11.833	11.845	(1.215)	346619	57.3438	57.3	
	61	1,1,2-Trichloroethane	83	12.031	12.032	(1.235)	169831	51.5373	51.5	
	62	Dibromochloromethane	129	12.241	12.241	(0.930)	250733	50.5177	50.5	
	63	1,3-Dichloropropane	76	12.357	12.357	(0.939)	358143	49.5026	49.5	
	64	1,2-Dibromoethane	107	12.520	12.520	(1.285)	226705	53.9341	53.9	
	65	2-Hexanone	43	12.834	12.834	(0.975)	193211	54.2605	54.3	
*	66	Chlorobenzene-D5	117	13.159	13.160	(1.000)	612517	50.0000		
	67	Chlorobenzene	112	13.183	13.183	(1.002)	576372	50.9000	50.9	
	152	1-Chlorohexane	91	13.171	13.171	(1.460)	291608	50.5326	50.5	
	68	Ethylbenzene	106	13.229	13.229	(1.005)	294221	50.0906	50.1	
	69	1,1,1,2-Tetrachloroethane	131	13.276	13.276	(1.009)	212609	49.9593	50.0	
M	70	Xylenes (total)	106				1058536	146.607	147	
	71	m+p-Xylenes	106	13.415	13.415	(1.019)	709273	98.9718	99.0	
	72	o-Xylene	106	13.962	13.974	(1.061)	349263	47.6352	47.6	
	73	Styrene	104	14.032	14.044	(1.066)	626164	50.5214	50.5	
	74	Bromoform	173	14.066	14.067	(1.069)	166317	53.4335	53.4	
	75	Isopropylbenzene	105	14.380	14.381	(0.883)	861131	55.5151	55.5	
$	76	P-Bromofluorobenzene	95	15.043	14.753	(1.544)	38032	6.41895	6.4(R)	
	77	cis-1,4-Dichloro-2-Butene	53	14.846	14.858	(0.911)	56732	38.4189	38.4	

Data File: \\Target_server\GG\chem\gcms-s.i\S091008B.b\S2838.D
Report Date: 24-Sep-2008 15:23

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	CONCENTRATIONS FINAL (ug/l)	REVIEW CODE
	78 trans-1,4-Dichloro-2-Butene	53	15.276	15.288	(0.938)	67546	48.0551	48.0	
	79 Bromobenzene	156	14.880	14.892	(0.914)	244240	49.1476	49.1	
	80 N-Propylbenzene	91	14.927	14.939	(0.916)	1002853	48.2594	48.2	
	81 1,1,2,2-Tetrachloroethane	83	15.043	15.044	(0.924)	264171	51.2948	51.3	
	82 1,3,5-Trimethylbenzene	105	15.206	15.206	(0.934)	710880	52.1915	52.2	
	83 2-Chlorotoluene	91	15.136	15.137	(0.929)	655897	49.4870	49.5	
	84 1,2,3-Trichloropropane	75	15.218	15.218	(0.934)	205101	52.6363	52.6	
	85 4-Chlorotoluene	91	15.369	15.369	(0.944)	668155	48.2512	48.2	
	86 tert-Butylbenzene	119	15.636	15.637	(0.960)	632216	46.2124	46.2	
	87 Pentachloroethane	117	15.660	15.672	(0.961)	133122	38.9553	39.0	
	88 1,2,4-Trimethylbenzene	105	15.741	15.741	(0.966)	712874	49.1768	49.2	
	89 P-Isopropyltoluene	119	16.090	16.102	(0.988)	682050	52.4503	52.4	
	90 1,3-Dichlorobenzene	146	16.183	16.183	(0.994)	435142	49.9326	49.9	
*	91 1,4-Dichlorobenzene-D4	152	16.288	16.300	(1.000)	300612	50.0000		
	92 1,4-Dichlorobenzene	146	16.311	16.323	(1.001)	432771	50.1957	50.2	
	93 N-Butylbenzene	91	16.695	16.695	(1.025)	599394	49.8692	49.9	
	94 sec-Butylbenzene	105	15.881	15.893	(0.975)	814311	49.9353	49.9	
	95 1,2-Dichlorobenzene	146	16.916	16.916	(1.039)	422726	50.4212	50.4	
	96 1,2-Dibromo-3-Chloropropane	75	18.090	18.091	(1.111)	49864	54.2042	54.2	
	97 1,3,5-Trichlorobenzene	180	18.137	18.137	(1.114)	267152	48.2726	48.3	
	98 Hexachlorobutadiene	225	19.079	19.079	(1.171)	92722	45.1832	45.2	
	99 1,2,4-Trichlorobenzene	180	19.114	19.114	(1.174)	264064	50.2797	50.3	
	100 1,2,3-Trimethylbenzene	105	16.346	16.358	(1.004)	699204	48.6910	48.7	
	101 Naphthalene	128	19.602	19.603	(1.203)	599298	50.9477	50.9	
	102 1,2,3-Trichlorobenzene	180	19.881	19.893	(1.221)	237328	48.4149	48.4	
	103 Methyl Acetate	43	4.902	4.891	(0.544)	227328	57.4188	57.4	
	104 Methylcyclohexane	83	9.624	9.636	(1.067)	281129	52.4738	52.5	
M	153 Total Alkylbenzenes	100				5154578	348.095	348	

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
R - Spike/Surrogate failed recovery limits.

Data File: \\Target_server\GG\chem\gcms-s.i\S091008B.b\S2838.D
Report Date: 24-Sep-2008 15:23

Katahdin Analytical Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcms-s.i
Lab File ID: S2838.D
Lab Smp Id: IND CHECK
Analysis Type: VOA
Quant Type: ISTD
Operator: SKT
Method File: \\target_server\GG\chem\gcms-s.i\S091008B.b\s826a63.m
Misc Info: SW846 8260B

Calibration Date: 10-SEP-2008
Calibration Time: 15:24

Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 4

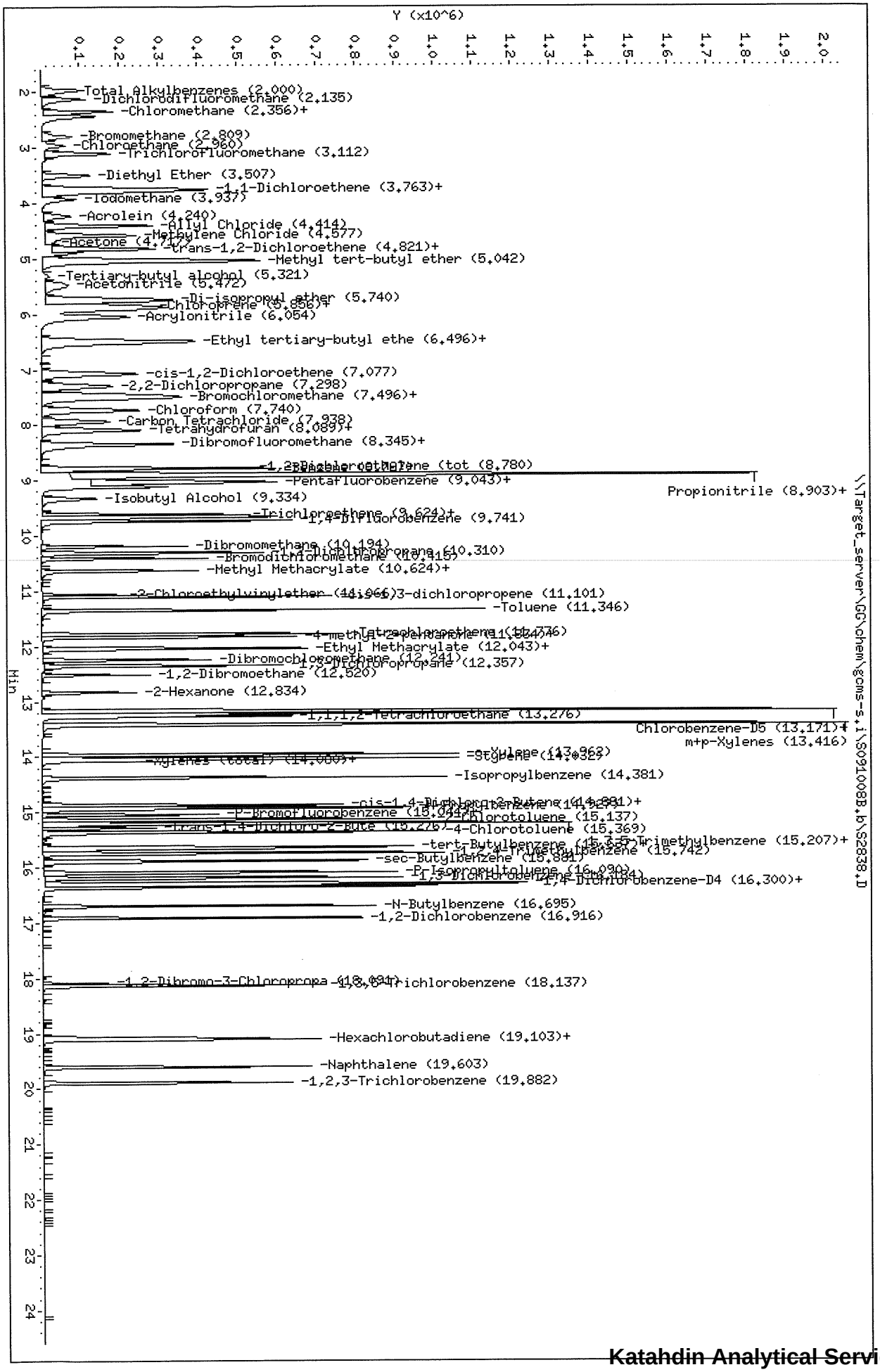
COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	470511	235256	941022	460008	-2.23
49 1,4-Difluorobenze	756830	378415	1513660	702476	-7.18
66 Chlorobenzene-D5	618857	309429	1237714	612517	-1.02
91 1,4-Dichlorobenze	303284	151642	606568	300612	-0.88

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	9.02	8.52	9.52	9.02	0.00
49 1,4-Difluorobenze	9.74	9.24	10.24	9.74	0.00
66 Chlorobenzene-D5	13.16	12.66	13.66	13.16	0.00
91 1,4-Dichlorobenze	16.30	15.80	16.80	16.29	-0.07

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.

Data File: \\Target_server\GC\chem\gcms-s.i\S091008B.b\S2838.D
Date : 10-SEP-2008 20:39
Client ID:
Sample Info: IND CHECK
Purge Volume: 5.0
Column phase: RTX-VMS

Instrument: gcms-s.i
Operator: SKT
Column diameter: 0.18



FORM 7B
VOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 426 NLON SDG No.: CTO426-5

Instrument ID: GCMS-F Calibration Date: 09/15/08 Time: 1052

Lab File ID: F1735 Init. Calib. Date(s): 09/05/08 09/05/08

Init. Calib. Times: 1133 1406

GC Column: RTX-VMS ID: 0.18 (mm)

COMPOUND	RRF OR AMOUNT	RRF50.000 OR AMOUNT	MIN RRF	%D OR %DRIFT	MAX %D OR %DRIFT	CURV TYPE	
Methyl tert-butyl ether	1.2950000	1.2374000	0.01	-4.45		AVRG	
Benzene	1.1400000	1.0503000	0.01	-7.87		AVRG	
Toluene	0.6450000	0.6017800	0.01	-6.70	20.00	AVRG	
Ethylbenzene	0.4340000	0.4338100	0.01	-0.04	20.00	AVRG	
Xylenes (total)	0.0000000	0.5429100	0.01	0.00		AVRG	<-
m+p-Xylenes	0.5300000	0.5478800	0.01	3.37		AVRG	
o-Xylene	0.5280000	0.5329700	0.01	0.94		AVRG	
Isopropylbenzene	2.0380000	1.9361000	0.01	-5.00		AVRG	
Naphthalene	1.2640000	1.0592000	0.01	-16.20		AVRG	
Dibromofluoromethane	0.5500000	0.4492200	0.01	-18.32		AVRG	
1,2-Dichloroethane-D4	0.6400000	0.5127700	0.01	-19.88		AVRG	
Toluene-D8	0.9520000	0.7741300	0.01	-18.68		AVRG	
P-Bromofluorobenzene	0.4160000	0.4242800	0.01	1.99		AVRG	

Data File: \\target_server\GG\chem\gcms-f.i\F091508.b\F1735.D
Report Date: 25-Sep-2008 08:04

Katahdin Analytical Services

Data file : \\target_server\GG\chem\gcms-f.i\F091508.b\F1735.D
Lab Smp Id: VSTD050F15A
Inj Date : 15-SEP-2008 10:52 MS Autotune Date: 02-SEP-2008 16:04
Operator : TTC Inst ID: gcms-f.i
Smp Info : VSTD050F15A
Misc Info : SW846 8260B
Comment :
Method : \\Target_server\GG\chem\gcms-f.i\F091508.b\F826a15.m
Meth Date : 16-Sep-2008 08:55 tcote Quant Type: ISTD
Cal Date : 05-SEP-2008 14:06 Cal File: F1671.D
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.12
Processing Host: TARGET03

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	sample purged
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)	REVIEW CODE
1 Dichlorodifluoromethane	85	1.984	1.938	(0.236)	626853	50.0000	65.1	
2 Chloromethane	50	2.181	2.134	(0.260)	463674	50.0000	42.4	
3 Vinyl chloride	62	2.251	2.205	(0.268)	433660	50.0000	43.8	
4 Bromomethane	94	2.576	2.530	(0.307)	321509	50.0000	42.3	
5 Chloroethane	64	2.703	2.658	(0.322)	223869	50.0000	44.6	
6 Trichlorofluoromethane	101	2.843	2.797	(0.339)	865980	50.0000	65.5	
7 Diethyl Ether	59	3.179	3.134	(0.379)	309731	50.0000	49.2	
8 Tertiary-butyl alcohol	59	4.665	4.642	(0.556)	34038	250.000	41.2	
9 1,1-Dichloroethene	96	3.400	3.342	(0.405)	326641	50.0000	48.7	
10 Carbon Disulfide	76	3.423	3.366	(0.408)	1052202	50.0000	46.7	
11 Freon-113	151	3.446	3.389	(0.411)	370657	50.0000	50.1	
12 Iodomethane	142	3.551	3.505	(0.423)	879786	50.0000	51.8	
13 Acrolein	56	3.806	3.749	(0.454)	262989	250.000	212	
14 Methylene Chloride	84	4.108	4.050	(0.490)	390717	50.0000	42.9	
15 Acetone	43	4.201	4.155	(0.501)	761943	250.000	395	
16 Isobutyl Alcohol	43	8.657	8.704	(1.032)	911	1000.00	66.8	
17 trans-1,2-Dichloroethene	96	4.317	4.259	(0.514)	451786	50.0000	50.6	
18 Allyl Chloride	41	3.968	3.911	(0.473)	539198	50.0000	43.9	
19 Methyl tert-butyl ether	73	4.502	4.445	(0.537)	2551993	100.000	95.5	
20 Acetonitrile	39	4.862	4.782	(0.580)	53248	500.000	375	
21 Di-isopropyl ether	45	5.106	5.049	(0.609)	1357103	50.0000	40.5	
22 Chloroprene	53	5.222	5.153	(0.622)	771308	50.0000	47.8	
23 Propionitrile	54	8.216	8.159	(0.979)	411282	500.000	458	

Data File: \\target_server\GG\chem\gcms-f.i\F091508.b\F1735.D
Report Date: 25-Sep-2008 08:04

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)	REVIEW CODE
	24 Methacrylonitrile	41	8.251	8.182	(0.983)	2531667	500.000	456	
	25 1,1-Dichloroethane	63	5.245	5.188	(0.625)	793531	50.0000	47.3	
	26 Acrylonitrile	52	5.373	5.304	(0.640)	538413	250.000	205	
	27 Ethyl tertiary-butyl ether	59	5.744	5.687	(0.685)	1532273	50.0000	47.1	
	28 Vinyl Acetate	43	5.756	5.687	(0.624)	913641	50.0000	44.9	
	29 cis-1,2-Dichloroethene	96	6.243	6.174	(0.744)	461962	50.0000	48.5	
M	30 1,2-Dichloroethylene (total)	96				913748	50.0000	99.1	
	31 Methyl Methacrylate	41	10.224	10.202	(1.108)	320203	50.0000	39.4	
	32 2,2-Dichloropropane	77	6.464	6.383	(0.770)	784651	50.0000	54.7	
	33 Bromochloromethane	128	6.661	6.592	(0.794)	279427	50.0000	48.8	
	34 Chloroform	83	6.870	6.789	(0.819)	908414	50.0000	48.8	
	35 Carbon Tetrachloride	117	7.102	7.033	(0.770)	779443	50.0000	59.8	
	36 Tetrahydrofuran	42	7.206	7.138	(0.859)	394113	250.000	187	
$	37 Dibromofluoromethane	113	7.276	7.207	(0.867)	463250	50.0000	40.8	
	38 1,1,1-Trichloroethane	97	7.276	7.196	(0.867)	815191	50.0000	57.7	
	39 1,1-Dichloropropene	75	7.566	7.497	(0.820)	625215	50.0000	47.9	
	40 2-Butanone	43	7.613	7.544	(0.907)	875034	250.000	219	
	41 Benzene	78	8.100	8.042	(0.878)	1506614	50.0000	46.0	
*	42 Pentafluorobenzene	168	8.390	8.333	(1.000)	1031231	50.0000		
	43 Cyclohexane	56	6.626	6.546	(0.790)	462022	50.0000	41.9	
	44 Ethyl Methacrylate	69	11.652	11.629	(1.263)	510518	50.0000	47.2	
$	45 1,2-Dichloroethane-D4	65	8.379	8.321	(0.999)	528782	50.0000	40.1	
	46 Tertiary-amyl methyl ether	73	8.425	8.380	(1.004)	1311036	50.0000	47.1	
	47 1,2-Dichloroethane	62	8.495	8.449	(0.921)	857517	50.0000	55.2	
	48 Trichloroethene	95	9.145	9.099	(0.991)	465335	50.0000	48.2	
*	49 1,4-Difluorobenzene	114	9.226	9.192	(1.000)	1434445	50.0000		
	50 Dibromomethane	93	9.725	9.679	(1.054)	342974	50.0000	52.1	
	51 1,2-Dichloropropane	63	9.853	9.819	(1.068)	384091	50.0000	42.3	
	52 Bromodichloromethane	83	9.969	9.935	(1.081)	772150	50.0000	54.7	
	53 cis-1,3-dichloropropene	75	10.723	10.689	(1.162)	761052	50.0000	49.3	
	54 1,4-Dioxane	88	10.236	10.213	(1.109)	15358	1000.00	86.4	
$	55 Toluene-D8	98	10.920	10.886	(1.184)	1110449	50.0000	40.6	
	56 2-Chloroethylvinylether	63	10.688	10.666	(1.158)	246184	50.0000	42.5	
	57 Toluene	92	10.967	10.944	(1.189)	863219	50.0000	46.6	
	58 4-methyl-2-pentanone	43	11.408	11.385	(1.236)	1892247	250.000	248	
	59 Tetrachloroethene	164	11.361	11.339	(0.895)	461233	50.0000	49.6	
	60 trans-1,3-Dichloropropene	75	11.431	11.409	(1.239)	703068	50.0000	52.7	
	61 1,1,2-Trichloroethane	83	11.594	11.571	(1.257)	326585	50.0000	47.5	
	62 Dibromochloromethane	129	11.791	11.768	(0.929)	693466	50.0000	50.8	
	63 1,3-Dichloropropane	76	11.907	11.873	(0.938)	718554	50.0000	50.4	
	64 1,2-Dibromoethane	107	12.046	12.024	(1.306)	480802	50.0000	51.2	
	65 2-Hexanone	43	12.383	12.360	(0.975)	1389712	250.000	257	
*	66 Chlorobenzene-D5	117	12.696	12.674	(1.000)	1217306	50.0000		
	67 Chlorobenzene	112	12.719	12.697	(1.002)	1093314	50.0000	49.2	
	152 1-Chlorohexane	91	12.719	12.697	(1.516)	482147	50.0000	38.8	
	68 Ethylbenzene	106	12.777	12.743	(1.006)	528076	50.0000	50.0	
	69 1,1,1,2-Tetrachloroethane	131	12.801	12.778	(1.008)	553443	50.0000	55.9	
M	70 Xylenes (total)	106				1982660	150.000	154	
	71 m+p-Xylenes	106	12.963	12.941	(1.021)	1333869	100.000	103	
	72 o-Xylene	106	13.497	13.475	(1.063)	648791	50.0000	50.4	
	73 Styrene	104	13.567	13.544	(1.069)	1173337	50.0000	53.2	
	74 Bromoform	173	13.578	13.556	(1.069)	459403	50.0000	52.2	
	75 Isopropylbenzene	105	13.915	13.892	(0.881)	1425921	50.0000	47.5	
$	76 P-Bromofluorobenzene	95	14.263	14.241	(1.546)	608608	50.0000	51.0	

Data File: \\target_server\GG\chem\gcms-f.i\F091508.b\F1735.D
Report Date: 25-Sep-2008 08:04

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)	REVIEW CODE
	77 cis-1,4-Dichloro-2-Butene	53	14.379	14.345	(0.910)	171118	50.0000	42.4	
	78 trans-1,4-Dichloro-2-Butene	53	14.797	14.774	(0.937)	174452	50.0000	47.9	
	79 Bromobenzene	156	14.402	14.368	(0.912)	586418	50.0000	46.6	
	80 N-Propylbenzene	91	14.460	14.438	(0.916)	1883521	50.0000	49.1	
	81 1,1,2,2-Tetrachloroethane	83	14.565	14.542	(0.922)	448310	50.0000	43.6	
	82 1,3,5-Trimethylbenzene	105	14.739	14.716	(0.933)	1393632	50.0000	51.5	
	83 2-Chlorotoluene	91	14.658	14.635	(0.928)	1196356	50.0000	46.8	
	84 1,2,3-Trichloropropane	75	14.727	14.705	(0.932)	398299	50.0000	46.4	
	85 4-Chlorotoluene	91	14.878	14.856	(0.942)	1354830	50.0000	51.0	
	86 tert-Butylbenzene	119	15.168	15.146	(0.960)	1373534	50.0000	51.5	
	87 Pentachloroethane	117	15.180	15.157	(0.961)	328711	50.0000	49.2	
	88 1,2,4-Trimethylbenzene	105	15.261	15.250	(0.966)	1462178	50.0000	51.3	
	89 P-Isopropyltoluene	119	15.632	15.610	(0.990)	1305198	50.0000	50.8	
	90 1,3-Dichlorobenzene	146	15.690	15.668	(0.993)	980456	50.0000	48.0	
*	91 1,4-Dichlorobenzene-D4	152	15.795	15.773	(1.000)	736485	50.0000		
	92 1,4-Dichlorobenzene	146	15.818	15.796	(1.001)	1003080	50.0000	47.1	
	93 N-Butylbenzene	91	16.224	16.202	(1.027)	1069972	50.0000	49.0	
	94 sec-Butylbenzene	105	15.412	15.390	(0.976)	1478421	50.0000	48.8	
	95 1,2-Dichlorobenzene	146	16.410	16.388	(1.039)	931139	50.0000	47.6	
	96 1,2-Dibromo-3-Chloropropane	75	17.582	17.560	(1.113)	85763	50.0000	49.8	
	97 1,3,5-Trichlorobenzene	180	17.640	17.618	(1.117)	552323	50.0000	45.5	
	98 Hexachlorobutadiene	225	18.580	18.558	(1.176)	247698	50.0000	45.9	
	99 1,2,4-Trichlorobenzene	180	18.604	18.581	(1.178)	452550	50.0000	45.9	
	100 1,2,3-Trimethylbenzene	105	15.876	15.854	(1.005)	1539872	50.0000	48.3	
	101 Naphthalene	128	19.091	19.069	(1.209)	780102	50.0000	41.9	
	102 1,2,3-Trichlorobenzene	180	19.370	19.347	(1.226)	263067	50.0000	44.8	
	103 Methyl Acetate	43	4.375	4.317	(0.521)	348946	50.0000	45.2	
	104 Methylcyclohexane	83	9.098	9.053	(1.084)	397979	50.0000	44.2	
M	153 Total Alkylbenzenes	100				9966456	50.0000	352	

Data File: \\target_server\GG\chem\gcms-f.i\F091508.b\F1735.D
Report Date: 25-Sep-2008 08:04

Katahdin Analytical Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcms-f.i
Lab File ID: F1735.D
Lab Smp Id: VSTD050F15A
Analysis Type: VOA
Quant Type: ISTD
Operator: TTC
Method File: \\Target_server\GG\chem\gcms-f.i\F091508.b\F826a15.m
Misc Info: SW846 8260B

Calibration Date: 15-SEP-2008
Calibration Time: 10:52

Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 4

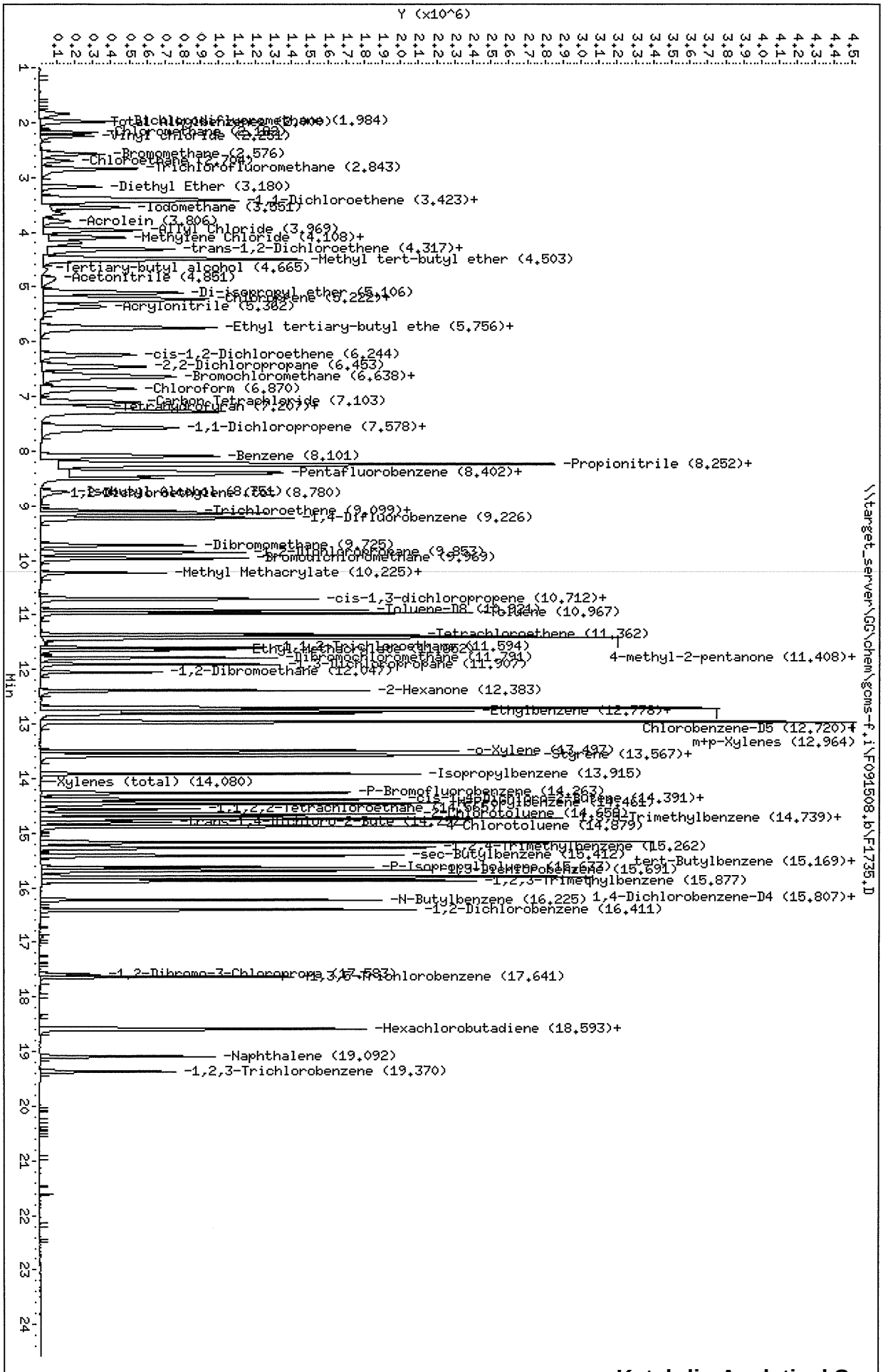
COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	1570003	785002	3140006	1031231	-34.32
49 1,4-Difluorobenze	2132057	1066029	4264114	1434445	-32.72
66 Chlorobenzene-D5	1833881	916941	3667762	1217306	-33.62
91 1,4-Dichlorobenze	995936	497968	1991872	736485	-26.05

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	8.33	7.83	8.83	8.39	0.69
49 1,4-Difluorobenze	9.19	8.69	9.69	9.23	0.38
66 Chlorobenzene-D5	12.67	12.17	13.17	12.70	0.18
91 1,4-Dichlorobenze	15.77	15.27	16.27	15.80	0.15

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.

Data File: \\target_server\GC\chem\gcms-f.i\F091508.b\F1735.D
Date : 15-SEP-2008 10:52
Client ID:
Sample Info: VSTD050F15A
Purge Volume: 5.0
Column phase: RTX-VMS

Instrument: gcms-f.i
Operator: TTC
Column diameter: 0.18



FORM 7B
VOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 426 NLON SDG No.: CTO426-5

Instrument ID: GCMS-S Calibration Date: 09/12/08 Time: 0847

Lab File ID: S2850 Init. Calib. Date(s): 09/10/08 09/10/08

Init. Calib. Times: 1422 1657

GC Column: RTX-VMS ID: 0.18 (mm)

COMPOUND	RRF OR AMOUNT	RRF50.000 OR AMOUNT	MIN RRF	%D OR %DRIFT	MAX %D OR %DRIFT	CURV TYPE	
Methyl tert-butyl ether	1.2110000	1.2370000	0.01	2.15		AVRG	
Benzene	1.2560000	1.2038000	0.01	-4.16		AVRG	
Toluene	0.7180000	0.6936000	0.01	-3.40	20.00	AVRG	
Ethylbenzene	0.4800000	0.4660600	0.01	-2.90	20.00	AVRG	
Xylenes (total)	0.0000000	0.5819300	0.01	0.00		AVRG	<-
m+p-Xylenes	0.5850000	0.5788900	0.01	-1.04		AVRG	
o-Xylene	0.5980000	0.5880200	0.01	-1.67		AVRG	
Isopropylbenzene	2.5800000	2.4606000	0.01	-4.63		AVRG	
Naphthalene	1.9560000	1.7331000	0.01	-11.40		AVRG	
Dibromofluoromethane	0.5580000	0.5020900	0.01	-10.02		AVRG	
1,2-Dichloroethane-D4	0.6060000	0.5110000	0.01	-15.68		AVRG	
Toluene-D8	1.0360000	0.9520800	0.01	-8.10		AVRG	
P-Bromofluorobenzene	0.4220000	0.3742100	0.01	-11.32		AVRG	

FORM VII VOA

Data File: \\target_server\GG\chem\gcms-s.i\S091208.b\S2850.D
Report Date: 25-Sep-2008 08:04

Katahdin Analytical Services

Data file : \\target_server\GG\chem\gcms-s.i\S091208.b\S2850.D
Lab Smp Id: VSTD050S12A
Inj Date : 12-SEP-2008 08:47 MS Autotune Date: 21-NOV-2007 15:16
Operator : SKT Inst ID: gcms-s.i
Smp Info : VSTD050S12A
Misc Info : SW846 8260B
Comment :
Method : \\TARGET_SERVER\GG\chem\gcms-s.i\S091208.b\s826a63.m
Meth Date : 22-Sep-2008 08:52 tcote Quant Type: ISTD
Cal Date : 10-SEP-2008 16:57 Cal File: S2831.D
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.12
Processing Host: T_INST

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	sample purged
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)	REVIEW CODE
1 Dichlorodifluoromethane	85	2.138	2.146	(0.237)	245996	50.0000	49.5	
2 Chloromethane	50	2.359	2.356	(0.262)	341811	50.0000	44.6	
3 Vinyl chloride	62	2.452	2.449	(0.272)	295804	50.0000	48.4	
4 Bromomethane	94	2.813	2.821	(0.312)	121693	50.0000	47.8	
5 Chloroethane	64	2.964	2.972	(0.329)	139848	50.0000	47.2	
6 Trichlorofluoromethane	101	3.127	3.123	(0.347)	274164	50.0000	50.0	
7 Diethyl Ether	59	3.510	3.507	(0.390)	201283	50.0000	54.2	
8 Tertiary-butyl alcohol	59	5.290	5.298	(0.587)	88229	250.000	291	
9 1,1-Dichloroethene	96	3.755	3.751	(0.417)	180820	50.0000	48.3	
10 Carbon Disulfide	76	3.778	3.786	(0.419)	611773	50.0000	47.0	
11 Freon-113	151	3.813	3.821	(0.423)	167200	50.0000	59.3	
12 Iodomethane	142	3.941	3.949	(0.437)	239830	50.0000	50.9	
13 Acrolein	56	4.243	4.240	(0.471)	224239	250.000	268	
14 Methylene Chloride	84	4.592	4.600	(0.510)	225876	50.0000	46.1	
15 Acetone	43	4.697	4.693	(0.521)	332939	250.000	221	
16 Isobutyl Alcohol	43	9.325	9.333	(1.035)	183236	1000.00	1100	
17 trans-1,2-Dichloroethene	96	4.836	4.833	(0.537)	214848	50.0000	48.6	
18 Allyl Chloride	41	4.418	4.426	(0.490)	400191	50.0000	48.4	
19 Methyl tert-butyl ether	73	5.034	5.042	(0.559)	1174003	100.000	102	
20 Acetonitrile	39	5.476	5.472	(0.608)	59588	500.000	516	
21 Di-isopropyl ether	45	5.743	5.740	(0.637)	1116770	50.0000	54.2	
22 Chloroprene	53	5.871	5.868	(0.652)	413246	50.0000	52.4	
23 Propionitrile	54	8.883	8.891	(0.986)	329248	500.000	538	

Data File: \\target_server\GG\chem\gcms-s.i\S091208.b\S2850.D
Report Date: 25-Sep-2008 08:04

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)	REVIEW CODE
	24 Methacrylonitrile	41	8.918	8.915	(0.990)	1762023	500.000	528	
	25 1,1-Dichloroethane	63	5.918	5.914	(0.657)	432421	50.0000	46.5	
	26 Acrylonitrile	52	6.057	6.054	(0.672)	444463	250.000	270	
	27 Ethyl tertiary-butyl ether	59	6.499	6.496	(0.721)	904906	50.0000	53.1	
	28 Vinyl Acetate	43	6.511	6.507	(0.668)	673824	50.0000	50.0	
	29 cis-1,2-Dichloroethene	96	7.081	7.089	(0.786)	248078	50.0000	47.0	
M	30 1,2-Dichloroethylene (total)	96				462926	50.0000	95.6	
	31 Methyl Methacrylate	41	10.628	10.636	(1.091)	257334	50.0000	54.4	
	32 2,2-Dichloropropane	77	7.313	7.310	(0.812)	337376	50.0000	49.2	
	33 Bromochloromethane	128	7.523	7.519	(0.835)	120439	50.0000	48.2	
	34 Chloroform	83	7.744	7.740	(0.859)	398839	50.0000	46.1	
	35 Carbon Tetrachloride	117	7.953	7.949	(0.816)	237374	50.0000	50.2	
	36 Tetrahydrofuran	42	8.058	8.054	(0.894)	375711	250.000	232	
$	37 Dibromofluoromethane	113	8.116	8.124	(0.901)	238253	50.0000	45.0	
	38 1,1,1-Trichloroethane	97	8.104	8.101	(0.899)	306874	50.0000	49.2	
	39 1,1-Dichloropropene	75	8.360	8.356	(0.858)	310766	50.0000	48.9	
	40 2-Butanone	43	8.407	8.403	(0.933)	620224	250.000	236	
	41 Benzene	78	8.790	8.787	(0.902)	881434	50.0000	47.9	
*	42 Pentafluorobenzene	168	9.011	9.019	(1.000)	474520	50.0000		
	43 Cyclohexane	56	7.476	7.484	(0.830)	353848	50.0000	49.5	
	44 Ethyl Methacrylate	69	12.058	12.055	(1.238)	292208	50.0000	53.5	
$	45 1,2-Dichloroethane-D4	65	9.023	9.019	(1.001)	242480	50.0000	42.1	
	46 Tertiary-amyl methyl ether	73	9.058	9.054	(1.005)	684423	50.0000	52.6	
	47 1,2-Dichloroethane	62	9.128	9.124	(0.937)	323412	50.0000	48.6	
	48 Trichloroethene	95	9.674	9.671	(0.993)	218111	50.0000	46.9	
*	49 1,4-Difluorobenzene	114	9.744	9.740	(1.000)	732237	50.0000		
	50 Dibromomethane	93	10.198	10.194	(1.047)	153819	50.0000	50.3	
	51 1,2-Dichloropropane	63	10.314	10.310	(1.058)	248275	50.0000	48.2	
	52 Bromodichloromethane	83	10.418	10.415	(1.069)	324075	50.0000	51.1	
	53 cis-1,3-dichloropropene	75	11.105	11.101	(1.140)	378533	50.0000	49.6	
	54 1,4-Dioxane	88	10.663	10.659	(1.094)	31068	1000.00	719	
$	55 Toluene-D8	98	11.291	11.299	(1.159)	697145	50.0000	45.9	
	56 2-Chloroethylvinylether	63	11.058	11.066	(1.135)	78191	50.0000	50.9	
	57 Toluene	92	11.349	11.357	(1.165)	507882	50.0000	48.3	
	58 4-methyl-2-pentanone	43	11.814	11.811	(1.212)	1261002	250.000	256	
	59 Tetrachloroethene	164	11.779	11.776	(0.895)	171683	50.0000	49.9	
	60 trans-1,3-Dichloropropene	75	11.849	11.845	(1.216)	317457	50.0000	50.4	
	61 1,1,2-Trichloroethane	83	12.035	12.032	(1.235)	166611	50.0000	48.5	
	62 Dibromochloromethane	129	12.244	12.241	(0.930)	248172	50.0000	49.5	
	63 1,3-Dichloropropane	76	12.361	12.357	(0.939)	355514	50.0000	48.6	
	64 1,2-Dibromoethane	107	12.523	12.520	(1.285)	224174	50.0000	51.2	
	65 2-Hexanone	43	12.837	12.834	(0.975)	906351	250.000	252	
*	66 Chlorobenzene-D5	117	13.163	13.160	(1.000)	618564	50.0000		
	67 Chlorobenzene	112	13.186	13.183	(1.002)	559042	50.0000	48.9	
	152 1-Chlorohexane	91	13.175	13.171	(1.462)	289586	50.0000	48.6	
	68 Ethylbenzene	106	13.233	13.229	(1.005)	288287	50.0000	48.6	
	69 1,1,1,2-Tetrachloroethane	131	13.279	13.276	(1.009)	213734	50.0000	49.7	
M	70 Xylenes (total)	106				1079885	150.000	148	
	71 m+p-Xylenes	106	13.419	13.415	(1.019)	716160	100.000	99.0	
	72 o-Xylene	106	13.966	13.974	(1.061)	363725	50.0000	49.1	
	73 Styrene	104	14.035	14.044	(1.066)	606357	50.0000	48.4	
	74 Bromoform	173	14.070	14.067	(1.069)	159125	50.0000	50.6(T)	
	75 Isopropylbenzene	105	14.384	14.381	(0.883)	766194	50.0000	47.7	
$	76 P-Bromofluorobenzene	95	14.756	14.753	(1.514)	274010	50.0000	44.4	

Data File: \\target_server\GG\chem\gcms-s.i\S091208.b\S2850.D
Report Date: 25-Sep-2008 08:04

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)	REVIEW CODE
	77 cis-1,4-Dichloro-2-Butene	53	14.849	14.858	(0.911)	68731	50.0000	44.5	
	78 trans-1,4-Dichloro-2-Butene	53	15.280	15.288	(0.938)	73887	50.0000	50.7	
	79 Bromobenzene	156	14.896	14.892	(0.914)	249857	50.0000	48.5	
	80 N-Propylbenzene	91	14.931	14.939	(0.916)	1035599	50.0000	48.1	
	81 1,1,2,2-Tetrachloroethane	83	15.047	15.044	(0.924)	255026	50.0000	47.8	
	82 1,3,5-Trimethylbenzene	105	15.210	15.206	(0.934)	671872	50.0000	47.6	
	83 2-Chlorotoluene	91	15.140	15.137	(0.929)	658450	50.0000	48.0	
	84 1,2,3-Trichloropropane	75	15.222	15.218	(0.934)	196381	50.0000	48.6	
	85 4-Chlorotoluene	91	15.373	15.369	(0.944)	659113	50.0000	46.0	
	86 tert-Butylbenzene	119	15.640	15.637	(0.960)	704878	50.0000	49.7	
	87 Pentachloroethane	117	15.664	15.672	(0.961)	186440	50.0000	52.7	
	88 1,2,4-Trimethylbenzene	105	15.745	15.741	(0.966)	707857	50.0000	47.1	
	89 P-Isopropyltoluene	119	16.094	16.102	(0.988)	647663	50.0000	48.1	
	90 1,3-Dichlorobenzene	146	16.187	16.183	(0.994)	433987	50.0000	48.1	
*	91 1,4-Dichlorobenzene-D4	152	16.292	16.300	(1.000)	311384	50.0000		
	92 1,4-Dichlorobenzene	146	16.315	16.323	(1.001)	430376	50.0000	48.2	
	93 N-Butylbenzene	91	16.699	16.695	(1.025)	575405	50.0000	46.2	
	94 sec-Butylbenzene	105	15.884	15.893	(0.975)	824058	50.0000	48.8	
	95 1,2-Dichlorobenzene	146	16.920	16.916	(1.039)	411146	50.0000	47.3	
	96 1,2-Dibromo-3-Chloropropane	75	18.094	18.091	(1.111)	47290	50.0000	49.6	
	97 1,3,5-Trichlorobenzene	180	18.141	18.137	(1.114)	290390	50.0000	50.6	
	98 Hexachlorobutadiene	225	19.083	19.079	(1.171)	92527	50.0000	43.5	
	99 1,2,4-Trichlorobenzene	180	19.118	19.114	(1.173)	246718	50.0000	45.4	
	100 1,2,3-Trimethylbenzene	105	16.350	16.358	(1.004)	774053	50.0000	52.0	
	101 Naphthalene	128	19.606	19.603	(1.203)	539669	50.0000	44.3	
	102 1,2,3-Trichlorobenzene	180	19.885	19.893	(1.221)	228224	50.0000	44.9	
	103 Methyl Acetate	43	4.894	4.891	(0.543)	213716	50.0000	52.3	
	104 Methylcyclohexane	83	9.628	9.636	(1.068)	306315	50.0000	55.4	
M	153 Total Alkylbenzenes	100				5167332	50.0000	336	

QC Flag Legend

T - Target compound detected outside RT window.

Data File: \\target_server\GG\chem\gcms-s.i\S091208.b\S2850.D
Report Date: 25-Sep-2008 08:04

Katahdin Analytical Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcms-s.i
Lab File ID: S2850.D
Lab Smp Id: VSTD050S12A
Analysis Type: VOA
Quant Type: ISTD
Operator: SKT
Method File: \\TARGET_SERVER\GG\chem\gcms-s.i\S091208.b\s826a63.m
Misc Info: SW846 8260B

Calibration Date: 12-SEP-2008
Calibration Time: 08:47

Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 4

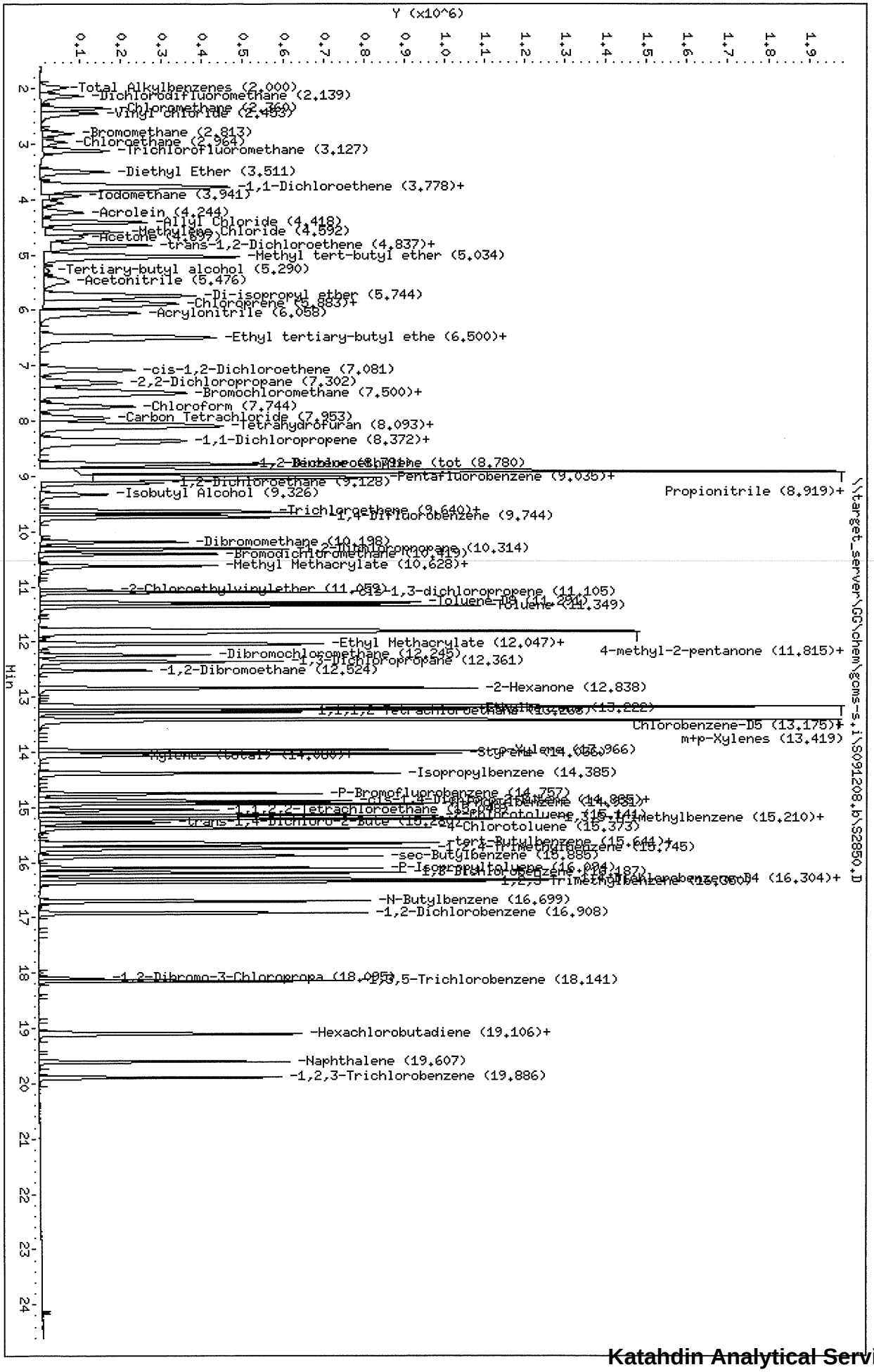
COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	470511	235256	941022	474520	0.85
49 1,4-Difluorobenze	756830	378415	1513660	732237	-3.25
66 Chlorobenzene-D5	618857	309429	1237714	618564	-0.05
91 1,4-Dichlorobenze	303284	151642	606568	311384	2.67

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	9.02	8.52	9.52	9.01	-0.08
49 1,4-Difluorobenze	9.74	9.24	10.24	9.74	0.04
66 Chlorobenzene-D5	13.16	12.66	13.66	13.16	0.03
91 1,4-Dichlorobenze	16.30	15.80	16.80	16.29	-0.05

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.

Data File: \\target_server\GC\chem\gcms-s.i\S091208.b\S2850.D
Date : 12-SEP-2008 08:47
Client ID:
Sample Info: VSTD050S12A
Purge Volume: 5.0
Column phase: RTX-VMS

Instrument: gcms-s.i
Operator: SKT
Column diameter: 0.18



FORM 7B
VOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 426 NLON SDG No.: CTO426-5

Instrument ID: GCMS-S Calibration Date: 09/16/08 Time: 0948

Lab File ID: S2925 Init. Calib. Date(s): 09/10/08 09/10/08

Init. Calib. Times: 1422 1657

GC Column: RTX-VMS ID: 0.18 (mm)

COMPOUND	RRF OR AMOUNT	RRF50.000 OR AMOUNT	MIN RRF	%D OR %DRIFT	MAX %D OR %DRIFT	CURV TYPE	
Methyl tert-butyl ether	1.2110000	1.2337000	0.01	1.87		AVRG	
Benzene	1.2560000	1.1708000	0.01	-6.78		AVRG	
Toluene	0.7180000	0.6788900	0.01	-5.45	20.00	AVRG	
Ethylbenzene	0.4800000	0.4435800	0.01	-7.59	20.00	AVRG	
Xylenes (total)	0.0000000	0.5391300	0.01	0.00		AVRG	<-
m+p-Xylenes	0.5850000	0.5405000	0.01	-7.61		AVRG	
o-Xylene	0.5980000	0.5363800	0.01	-10.30		AVRG	
Isopropylbenzene	2.5800000	2.4182000	0.01	-6.27		AVRG	
Naphthalene	1.9560000	1.7112000	0.01	-12.52		AVRG	
Dibromofluoromethane	0.5580000	0.4809300	0.01	-13.81		AVRG	
1,2-Dichloroethane-D4	0.6060000	0.4860600	0.01	-19.79		AVRG	
Toluene-D8	1.0360000	0.9195800	0.01	-11.24		AVRG	
P-Bromofluorobenzene	0.4220000	0.3602100	0.01	-14.64		AVRG	

Data File: \\target_server\GG\chem\gcms-s.i\S091608.b\S2925.D
Report Date: 25-Sep-2008 08:04

Katahdin Analytical Services

Data file : \\target_server\GG\chem\gcms-s.i\S091608.b\S2925.D
Lab Smp Id: VSTD050S16A
Inj Date : 16-SEP-2008 09:48 MS Autotune Date: 21-NOV-2007 15:16
Operator : SKT Inst ID: gcms-s.i
Smp Info : VSTD050S16A
Misc Info : SW846 8260B
Comment :
Method : \\Target_server\GG\chem\gcms-s.i\S091608.b\s826a63.m
Meth Date : 17-Sep-2008 13:28 sthompson Quant Type: ISTD
Cal Date : 10-SEP-2008 16:57 Cal File: S2831.D
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.12
Processing Host: MIS_2

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	sample purged
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)	REVIEW CODE
1 Dichlorodifluoromethane	85	2.137	2.146	(0.237)	204052	50.0000	41.7	
2 Chloromethane	50	2.358	2.356	(0.262)	296540	50.0000	39.3	
3 Vinyl chloride	62	2.440	2.449	(0.271)	258350	50.0000	43.0	
4 Bromomethane	94	2.812	2.821	(0.312)	127697	50.0000	51.0	
5 Chloroethane	64	2.963	2.972	(0.329)	128660	50.0000	44.1	
6 Trichlorofluoromethane	101	3.114	3.123	(0.346)	254397	50.0000	47.2	
7 Diethyl Ether	59	3.510	3.507	(0.390)	178358	50.0000	48.8	
8 Tertiary-butyl alcohol	59	5.289	5.298	(0.587)	79525	250.000	267	
9 1,1-Dichloroethene	96	3.754	3.751	(0.417)	167373	50.0000	45.4	
10 Carbon Disulfide	76	3.777	3.786	(0.419)	561999	50.0000	43.9	
11 Freon-113	151	3.812	3.821	(0.423)	146297	50.0000	52.7	
12 Iodomethane	142	3.940	3.949	(0.437)	221931	50.0000	47.8	
13 Acrolein	56	4.231	4.240	(0.470)	204906	250.000	249	
14 Methylene Chloride	84	4.591	4.600	(0.510)	215822	50.0000	44.7	
15 Acetone	43	4.684	4.693	(0.520)	336326	250.000	227	
16 Isobutyl Alcohol	43	9.325	9.333	(1.035)	165676	1000.00	1010	
17 trans-1,2-Dichloroethene	96	4.824	4.833	(0.535)	199242	50.0000	45.8	
18 Allyl Chloride	41	4.417	4.426	(0.490)	374961	50.0000	46.0	
19 Methyl tert-butyl ether	73	5.033	5.042	(0.559)	1152586	100.000	102	
20 Acetonitrile	39	5.487	5.472	(0.609)	55243	500.000	486	
21 Di-isopropyl ether	45	5.743	5.740	(0.637)	971917	50.0000	47.9	
22 Chloroprene	53	5.871	5.868	(0.652)	378552	50.0000	48.8	
23 Propionitrile	54	8.883	8.891	(0.986)	298109	500.000	495	

Data File: \\target_server\GG\chem\gcms-s.i\S091608.b\S2925.D
Report Date: 25-Sep-2008 08:04

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)	REVIEW CODE
	24 Methacrylonitrile	41	8.906	8.915	(0.988)	1579657	500.000	480	
	25 1,1-Dichloroethane	63	5.917	5.914	(0.657)	415580	50.0000	45.4	
	26 Acrylonitrile	52	6.057	6.054	(0.672)	417093	250.000	257	
	27 Ethyl tertiary-butyl ether	59	6.487	6.496	(0.720)	821547	50.0000	49.0	
	28 Vinyl Acetate	43	6.510	6.507	(0.668)	635369	50.0000	47.7	
	29 cis-1,2-Dichloroethene	96	7.080	7.089	(0.786)	242562	50.0000	46.7	
M	30 1,2-Dichloroethylene (total)	96				441804	50.0000	92.5	
	31 Methyl Methacrylate	41	10.627	10.636	(1.091)	228573	50.0000	48.9	
	32 2,2-Dichloropropane	77	7.301	7.310	(0.810)	319737	50.0000	47.3	
	33 Bromochloromethane	128	7.522	7.519	(0.835)	118199	50.0000	48.0	
	34 Chloroform	83	7.743	7.740	(0.859)	388041	50.0000	45.6	
	35 Carbon Tetrachloride	117	7.952	7.949	(0.816)	231987	50.0000	49.7	
	36 Tetrahydrofuran	42	8.057	8.054	(0.894)	350662	250.000	220	
$	37 Dibromofluoromethane	113	8.115	8.124	(0.901)	224655	50.0000	43.1	
	38 1,1,1-Trichloroethane	97	8.103	8.101	(0.899)	280924	50.0000	45.7	
	39 1,1-Dichloropropene	75	8.359	8.356	(0.858)	303226	50.0000	48.3	
	40 2-Butanone	43	8.406	8.403	(0.933)	615527	250.000	238	
	41 Benzene	78	8.790	8.787	(0.902)	847120	50.0000	46.6	
*	42 Pentafluorobenzene	168	9.011	9.019	(1.000)	467124	50.0000		
	43 Cyclohexane	56	7.475	7.484	(0.830)	318699	50.0000	45.3	
	44 Ethyl Methacrylate	69	12.058	12.055	(1.238)	281642	50.0000	52.2	
$	45 1,2-Dichloroethane-D4	65	9.022	9.019	(1.001)	227048	50.0000	40.1	
	46 Tertiary-amyl methyl ether	73	9.057	9.054	(1.005)	628042	50.0000	49.0	
	47 1,2-Dichloroethane	62	9.127	9.124	(0.937)	308485	50.0000	46.9	
	48 Trichloroethene	95	9.673	9.671	(0.993)	216747	50.0000	47.2	
*	49 1,4-Difluorobenzene	114	9.743	9.740	(1.000)	723542	50.0000		
	50 Dibromomethane	93	10.197	10.194	(1.047)	151742	50.0000	50.2	
	51 1,2-Dichloropropane	63	10.313	10.310	(1.058)	238138	50.0000	46.8	
	52 Bromodichloromethane	83	10.418	10.415	(1.069)	299310	50.0000	47.7	
	53 cis-1,3-dichloropropene	75	11.104	11.101	(1.140)	381326	50.0000	50.6	
	54 1,4-Dioxane	88	10.662	10.659	(1.094)	23460	1000.00	550	
$	55 Toluene-D8	98	11.302	11.299	(1.160)	665356	50.0000	44.4	
	56 2-Chloroethylvinylether	63	11.057	11.066	(1.135)	64950	50.0000	42.8	
	57 Toluene	92	11.348	11.357	(1.165)	491207	50.0000	47.3	
	58 4-methyl-2-pentanone	43	11.813	11.811	(1.212)	1192074	250.000	245	
	59 Tetrachloroethene	164	11.778	11.776	(0.895)	159997	50.0000	45.5	
	60 trans-1,3-Dichloropropene	75	11.848	11.845	(1.216)	294399	50.0000	47.3	
	61 1,1,2-Trichloroethane	83	12.034	12.032	(1.235)	167586	50.0000	49.4	
	62 Dibromochloromethane	129	12.244	12.241	(0.930)	251328	50.0000	49.1	
	63 1,3-Dichloropropane	76	12.360	12.357	(0.939)	347914	50.0000	46.6	
	64 1,2-Dibromoethane	107	12.523	12.520	(1.285)	224911	50.0000	51.9	
	65 2-Hexanone	43	12.837	12.834	(0.975)	901670	250.000	246	
*	66 Chlorobenzene-D5	117	13.162	13.160	(1.000)	631581	50.0000		
	67 Chlorobenzene	112	13.186	13.183	(1.002)	551258	50.0000	47.2	
	152 1-Chlorohexane	91	13.174	13.171	(1.462)	278362	50.0000	47.5	
	68 Ethylbenzene	106	13.232	13.229	(1.005)	280154	50.0000	46.2	
	69 1,1,1,2-Tetrachloroethane	131	13.279	13.276	(1.009)	210108	50.0000	47.9	
M	70 Xylenes (total)	106				1021505	150.000	137	
	71 m+p-Xylenes	106	13.418	13.415	(1.019)	682736	100.000	92.4	
	72 o-Xylene	106	13.965	13.974	(1.061)	338769	50.0000	44.8	
	73 Styrene	104	14.035	14.044	(1.066)	601592	50.0000	47.1	
	74 Bromoform	173	14.070	14.067	(1.069)	165381	50.0000	51.5(T)	
	75 Isopropylbenzene	105	14.384	14.381	(0.883)	756557	50.0000	46.9	
$	76 P-Bromofluorobenzene	95	14.756	14.753	(1.514)	260627	50.0000	42.7	

Data File: \\target_server\GG\chem\gcms-s.i\S091608.b\S2925.D
Report Date: 25-Sep-2008 08:04

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)	REVIEW CODE
77 cis-1,4-Dichloro-2-Butene	53	14.849	14.858	(0.911)	64936	50.0000	42.0	
78 trans-1,4-Dichloro-2-Butene	53	15.279	15.288	(0.938)	68008	50.0000	46.5	
79 Bromobenzene	156	14.895	14.892	(0.914)	247951	50.0000	47.9	
80 N-Propylbenzene	91	14.942	14.939	(0.917)	981533	50.0000	45.4	
81 1,1,2,2-Tetrachloroethane	83	15.046	15.044	(0.924)	258460	50.0000	48.2	
82 1,3,5-Trimethylbenzene	105	15.209	15.206	(0.934)	651353	50.0000	45.9	
83 2-Chlorotoluene	91	15.139	15.137	(0.929)	617201	50.0000	44.7	
84 1,2,3-Trichloropropane	75	15.221	15.218	(0.934)	197008	50.0000	48.6	
85 4-Chlorotoluene	91	15.372	15.369	(0.944)	619320	50.0000	43.0	
86 tert-Butylbenzene	119	15.640	15.637	(0.960)	664223	50.0000	46.6	
87 Pentachloroethane	117	15.674	15.672	(0.962)	171665	50.0000	48.3	
88 1,2,4-Trimethylbenzene	105	15.744	15.741	(0.966)	707942	50.0000	46.9	
89 P-Isopropyltoluene	119	16.093	16.102	(0.988)	627498	50.0000	46.4	
90 1,3-Dichlorobenzene	146	16.186	16.183	(0.994)	422068	50.0000	46.5	
* 91 1,4-Dichlorobenzene-D4	152	16.291	16.300	(1.000)	312865	50.0000		
92 1,4-Dichlorobenzene	146	16.314	16.323	(1.001)	430180	50.0000	47.9	
93 N-Butylbenzene	91	16.698	16.695	(1.025)	574887	50.0000	46.0	
94 sec-Butylbenzene	105	15.884	15.893	(0.975)	798260	50.0000	47.0	
95 1,2-Dichlorobenzene	146	16.919	16.916	(1.039)	422697	50.0000	48.4	
96 1,2-Dibromo-3-Chloropropane	75	18.093	18.091	(1.111)	46675	50.0000	48.8	
97 1,3,5-Trichlorobenzene	180	18.140	18.137	(1.114)	263846	50.0000	45.8	
98 Hexachlorobutadiene	225	19.082	19.079	(1.171)	82506	50.0000	38.6	
99 1,2,4-Trichlorobenzene	180	19.117	19.114	(1.173)	239570	50.0000	43.8	
100 1,2,3-Trimethylbenzene	105	16.349	16.358	(1.004)	690744	50.0000	46.2	
101 Naphthalene	128	19.605	19.603	(1.203)	535361	50.0000	43.7	
102 1,2,3-Trichlorobenzene	180	19.896	19.893	(1.221)	220310	50.0000	43.2	
103 Methyl Acetate	43	4.894	4.891	(0.543)	195526	50.0000	48.6	
104 Methylcyclohexane	83	9.627	9.636	(1.068)	264022	50.0000	48.5	
M 153 Total Alkylbenzenes	100				5005696	50.0000	324	

QC Flag Legend

T - Target compound detected outside RT window.

Data File: \\target_server\GG\chem\gcms-s.i\S091608.b\S2925.D
Report Date: 25-Sep-2008 08:04

Katahdin Analytical Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcms-s.i
Lab File ID: S2925.D
Lab Smp Id: VSTD050S16A
Analysis Type: VOA
Quant Type: ISTD
Operator: SKT
Method File: \\Target_server\GG\chem\gcms-s.i\S091608.b\s826a63.m
Misc Info: SW846 8260B

Calibration Date: 16-SEP-2008
Calibration Time: 09:48

Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 4

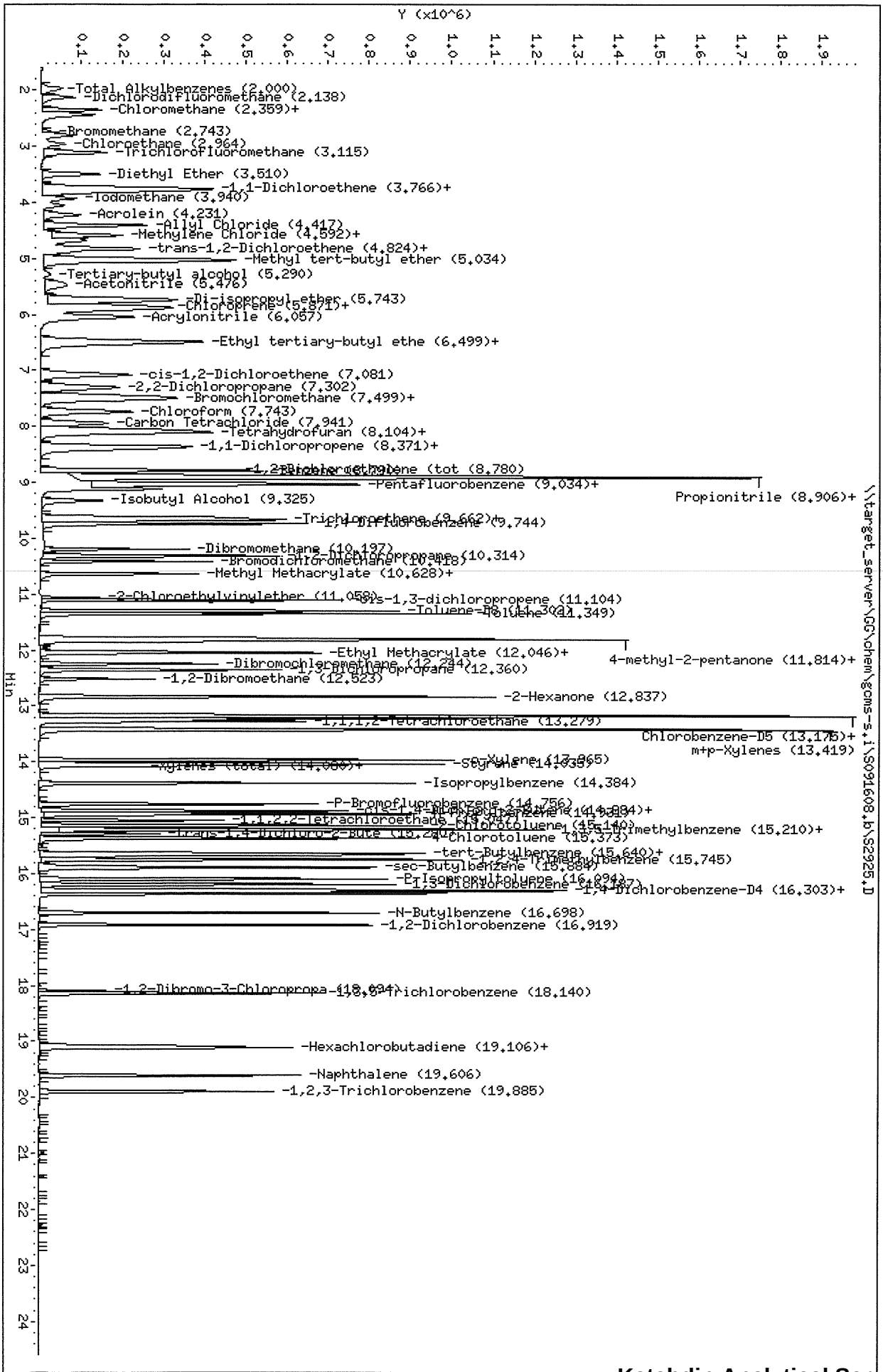
COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	470511	235256	941022	467124	-0.72
49 1,4-Difluorobenze	756830	378415	1513660	723542	-4.40
66 Chlorobenzene-D5	618857	309429	1237714	631581	2.06
91 1,4-Dichlorobenze	303284	151642	606568	312865	3.16

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	9.02	8.52	9.52	9.01	-0.09
49 1,4-Difluorobenze	9.74	9.24	10.24	9.74	0.03
66 Chlorobenzene-D5	13.16	12.66	13.66	13.16	0.02
91 1,4-Dichlorobenze	16.30	15.80	16.80	16.29	-0.05

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.

Data File: \\target_server\GC\chem\gcms-s.i\S091608.b\S2925.D
Date : 16-SEP-2008 09:48
Client ID:
Sample Info: VSTD050516A
Purge Volume: 5.0
Column phase: RTX-VMS

Instrument: gcms-s.i
Operator: SKT
Column diameter: 0.18



Data File: \\Target_server\GC\chem\gcms-f.i\F090508.b\FB004.D

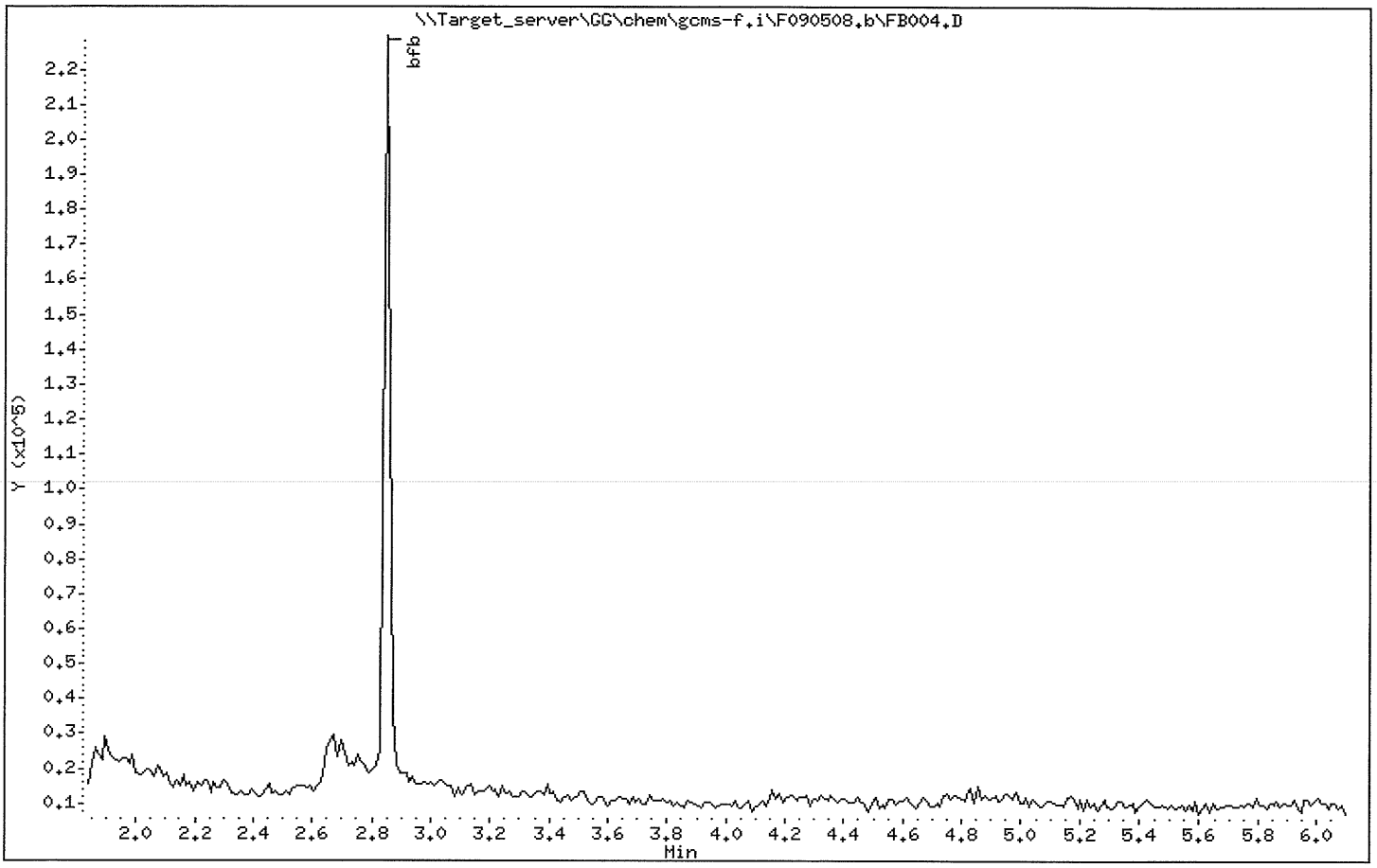
Date : 05-SEP-2008 11:09

Client ID: | Instrument: gcms-f.i

Sample Info: 50NG BFB

Volume Injected (uL): 1.0 | Operator: TTC

Column phase: RTX-VMS | Column diameter: 0.18



Data File: \\Target_server\GC\chem\gcms-f.i\F090508.b\FB004.D

Date : 05-SEP-2008 11:09

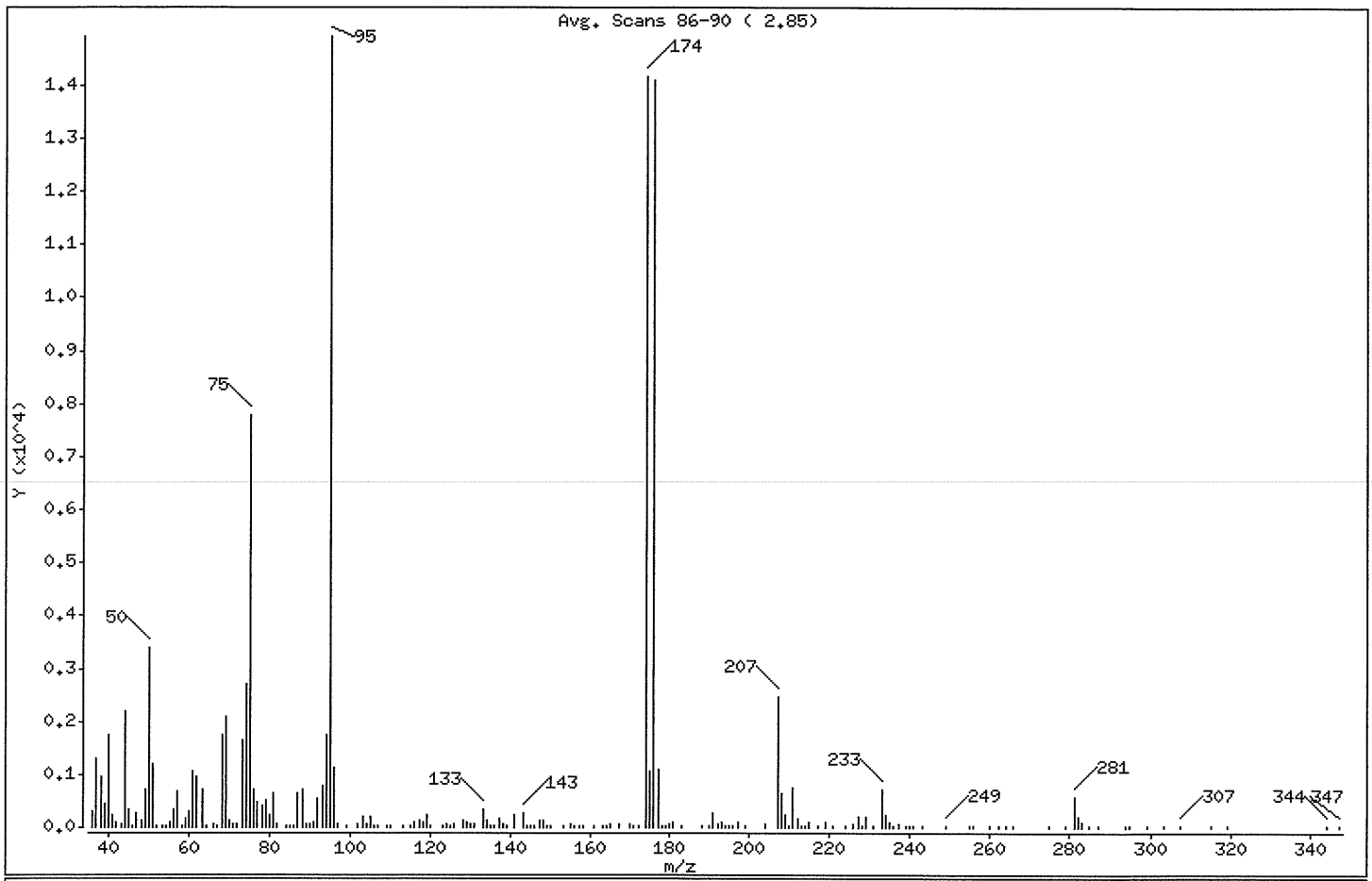
Client ID: | Instrument: gcms-f.i

Sample Info: 50NG BFB

Volume Injected (uL): 1.0 | Operator: TTC

Column phase: RTX-VMS | Column diameter: 0.18

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	22.68
75	30.00 - 60.00% of mass 95	52.24
96	5.00 - 9.00% of mass 95	7.50
173	Less than 2.00% of mass 174	0.00 (0.00)
174	Greater than 50.00% of mass 95	94.88
175	5.00 - 9.00% of mass 174	7.15 (7.54)
176	95.00 - 101.00% of mass 174	94.37 (99.46)
177	5.00 - 9.00% of mass 176	7.36 (7.79)

Data File: \\Target_server\GC\chem\gcms-f.i\F090508.b\FB004.D

Date : 05-SEP-2008 11:09

Client ID: Instrument: gcms-f.i

Sample Info: 50NG BFB

Volume Injected (uL): 1.0 Operator: TTC

Column phase: RTX-VMS Column diameter: 0.18

Data File: FB004.D
Spectrum: Avg. Scans 86-90 (2.85)
Location of Maximum: 95.00
Number of points: 183

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	307	84.00	26	143.00	262	212.00	160
37.00	1311	85.00	40	144.00	43	213.00	51
38.00	966	86.00	46	145.00	28	214.00	41
39.00	445	87.00	639	146.00	24	215.00	105
40.00	1757	88.00	732	147.00	125	217.00	26
41.00	244	89.00	55	148.00	131	219.00	97
42.00	107	90.00	79	149.00	29	221.00	22
43.00	71	91.00	106	150.00	42	224.00	23
44.00	2190	92.00	560	153.00	22	226.00	54
45.00	352	93.00	774	155.00	83	227.00	202
46.00	50	94.00	1739	156.00	23	228.00	23
47.00	279	95.00	14915	157.00	36	229.00	213
48.00	139	96.00	1119	158.00	37	231.00	40
49.00	717	97.00	74	161.00	32	233.00	728
50.00	3382	99.00	46	163.00	24	234.00	253
51.00	1210	102.00	61	164.00	28	235.00	96
52.00	51	103.00	218	165.00	76	236.00	50
53.00	31	104.00	69	167.00	64	237.00	54
54.00	44	105.00	200	170.00	68	239.00	43
55.00	117	106.00	20	171.00	22	240.00	22
56.00	344	107.00	32	172.00	21	241.00	20
57.00	681	109.00	36	174.00	14152	243.00	33
58.00	51	110.00	24	175.00	1067	249.00	48
59.00	168	113.00	36	176.00	14075	255.00	25
60.00	312	115.00	48	177.00	1097	256.00	33
61.00	1063	116.00	92	178.00	35	260.00	33
62.00	957	117.00	144	179.00	47	262.00	25
63.00	714	118.00	118	180.00	54	264.00	22
64.00	35	119.00	255	181.00	92	266.00	21
66.00	54	120.00	43	183.00	39	275.00	25
67.00	25	123.00	29	188.00	23	279.00	27
68.00	1764	124.00	76	190.00	33	281.00	581
69.00	2084	125.00	39	191.00	290	282.00	190
70.00	140	126.00	77	192.00	56	283.00	120
71.00	83	128.00	125	193.00	89	285.00	23

Data File: \\Target_server\GC\chem\gcms-f.i\F090508.b\FB004.D

Date : 05-SEP-2008 11:09

Client ID: Instrument: gcms-f.i

Sample Info: 50NG BFB

Volume Injected (uL): 1.0 Operator: TTC

Column phase: RTX-VMS Column diameter: 0.18

Data File: FB004.D
Spectrum: Avg. Scans 86-90 (2.85)
Location of Maximum: 95.00
Number of points: 183

m/z	Y	m/z	Y	m/z	Y	m/z	Y
72.00	71	129.00	104	194.00	49	287.00	20
73.00	1649	130.00	73	195.00	30	294.00	33
74.00	2707	131.00	84	196.00	24	295.00	32
75.00	7791	133.00	355	197.00	110	299.00	26
76.00	707	134.00	149	199.00	24	303.00	21
77.00	482	135.00	48	204.00	55	307.00	50
78.00	405	136.00	37	207.00	2473	315.00	21
79.00	510	137.00	167	208.00	644	319.00	20
80.00	245	138.00	62	209.00	242	344.00	21
81.00	642	139.00	37	210.00	32	347.00	20
82.00	77	141.00	246	211.00	763		

Data File: \\Target_server\GC\chem\gcms-f.i\F091508.b\FB009.D

Date : 15-SEP-2008 10:29

Client ID:

Instrument: gcms-f.i

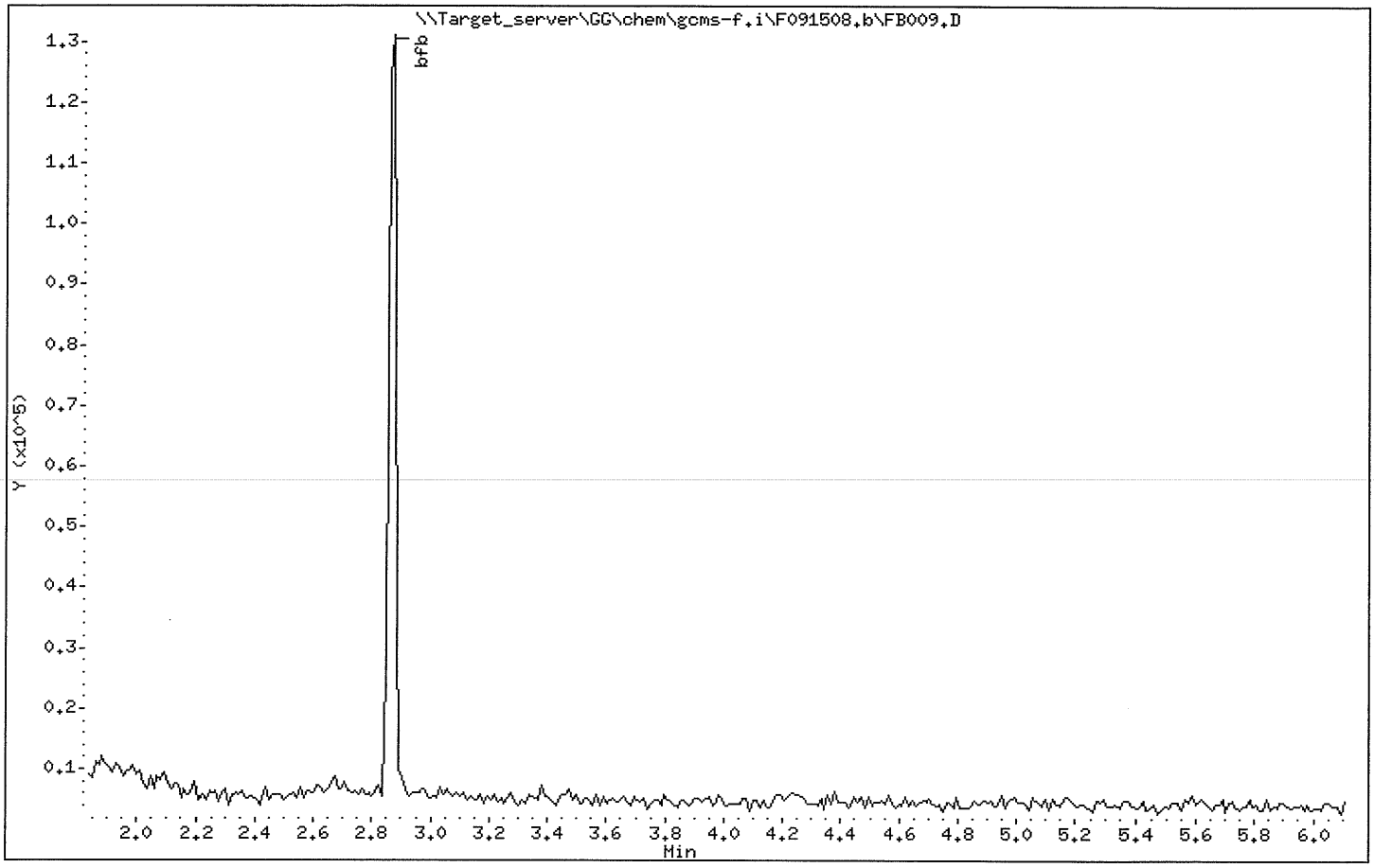
Sample Info: 50NG BFB

Volume Injected (uL): 1.0

Operator: TTC

Column phase: RTX-VMS

Column diameter: 0.18



Data File: \\Target_server\GC\chem\gcms-f.i\F091508.b\FB009.D

Date : 15-SEP-2008 10:29

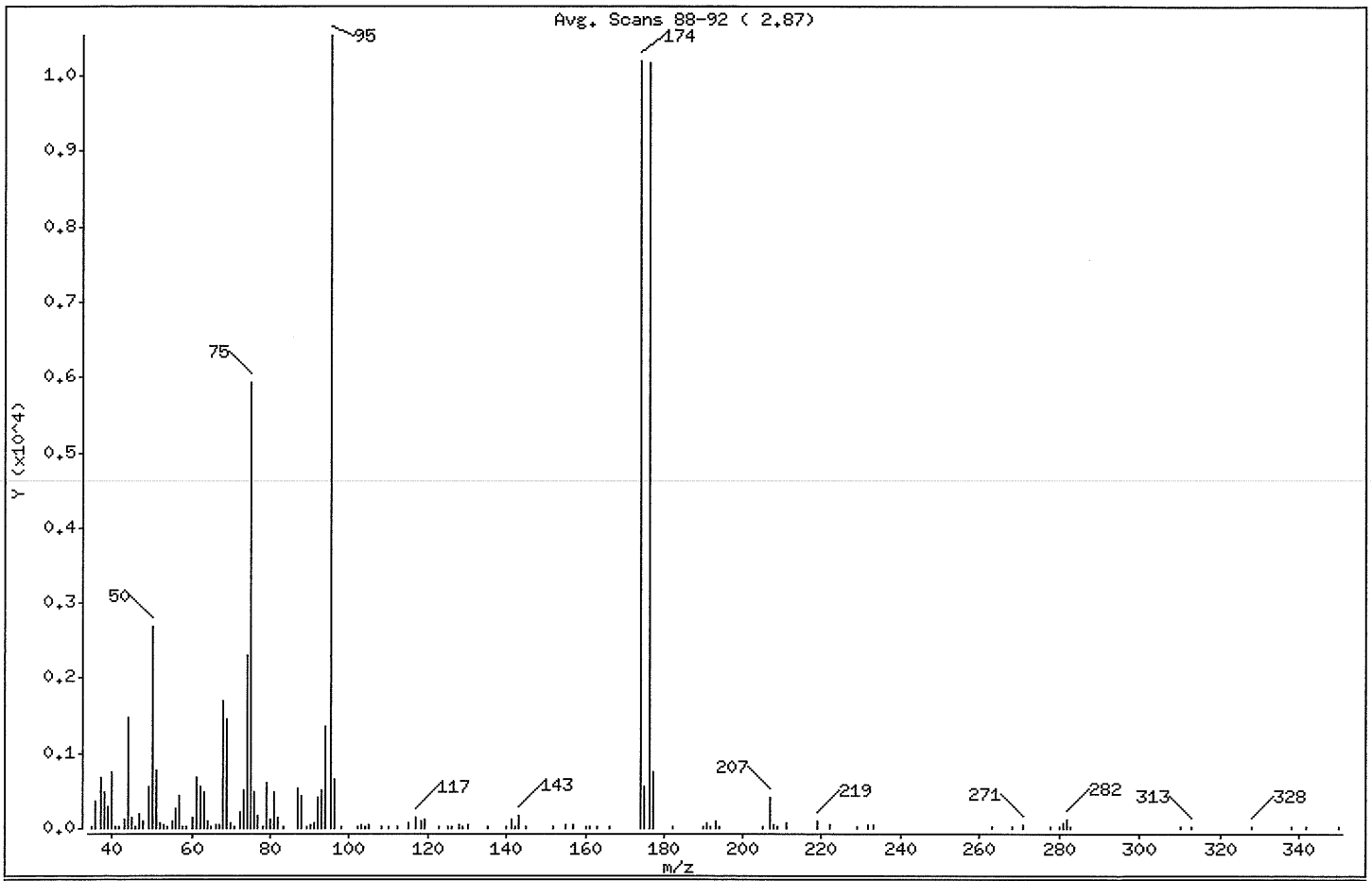
Client ID: | Instrument: gcms-f.i

Sample Info: 50NG BFB

Volume Injected (uL): 1.0 | Operator: TTC

Column phase: RTX-VMS | Column diameter: 0.18

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	25.41
75	30.00 - 60.00% of mass 95	56.24
96	5.00 - 9.00% of mass 95	6.25
173	Less than 2.00% of mass 174	0.00 (0.00)
174	Greater than 50.00% of mass 95	96.67
175	5.00 - 9.00% of mass 174	5.40 (5.59)
176	95.00 - 101.00% of mass 174	96.44 (99.76)
177	5.00 - 9.00% of mass 176	7.18 (7.45)

Data File: \\Target_server\GG\chem\gcms-f.i\F091508.b\FB009.D

Date : 15-SEP-2008 10:29

Client ID: Instrument: gcms-f.i

Sample Info: 50NG BFB

Volume Injected (uL): 1.0 Operator: TTC

Column phase: RTX-VMS Column diameter: 0.18

Data File: FB009.D
Spectrum: Avg. Scans 88-92 (2.87)
Location of Maximum: 95.00
Number of points: 124

m/z	Y	m/z	Y	m/z	Y	m/z	Y
35.00	24	67.00	58	108.00	30	191.00	74
36.00	366	68.00	1698	110.00	26	192.00	29
37.00	686	69.00	1447	112.00	21	193.00	93
38.00	484	70.00	72	115.00	72	194.00	22
39.00	292	71.00	22	117.00	134	205.00	35
40.00	756	72.00	211	118.00	93	207.00	422
41.00	20	73.00	503	119.00	109	208.00	48
42.00	26	74.00	2294	123.00	28	209.00	22
43.00	110	75.00	5925	125.00	27	211.00	81
44.00	1478	76.00	491	126.00	29	219.00	87
45.00	140	77.00	178	128.00	44	222.00	51
46.00	25	78.00	22	129.00	27	229.00	25
47.00	199	79.00	606	130.00	57	232.00	54
48.00	99	80.00	133	135.00	35	233.00	55
49.00	568	81.00	474	140.00	31	263.00	20
50.00	2677	82.00	139	141.00	124	268.00	22
51.00	770	83.00	35	142.00	27	271.00	49
52.00	76	87.00	526	143.00	166	278.00	30
53.00	43	88.00	429	145.00	20	280.00	35
54.00	26	89.00	22	152.00	30	281.00	74
55.00	105	90.00	52	155.00	40	282.00	125
56.00	269	91.00	78	157.00	53	283.00	24
57.00	433	92.00	414	160.00	28	310.00	20
58.00	22	93.00	505	161.00	32	313.00	36
59.00	23	94.00	1367	163.00	34	328.00	28
60.00	153	95.00	10536	166.00	30	338.00	27
61.00	674	96.00	659	174.00	10185	342.00	25
62.00	548	98.00	27	175.00	569	350.00	24
63.00	480	102.00	28	176.00	10161		
64.00	104	103.00	51	177.00	757		
65.00	28	104.00	36	182.00	30		
66.00	56	105.00	42	190.00	20		

Data File: \\Target_server\GG\chem\gcms-s.i\S091008B.b\SB918.D

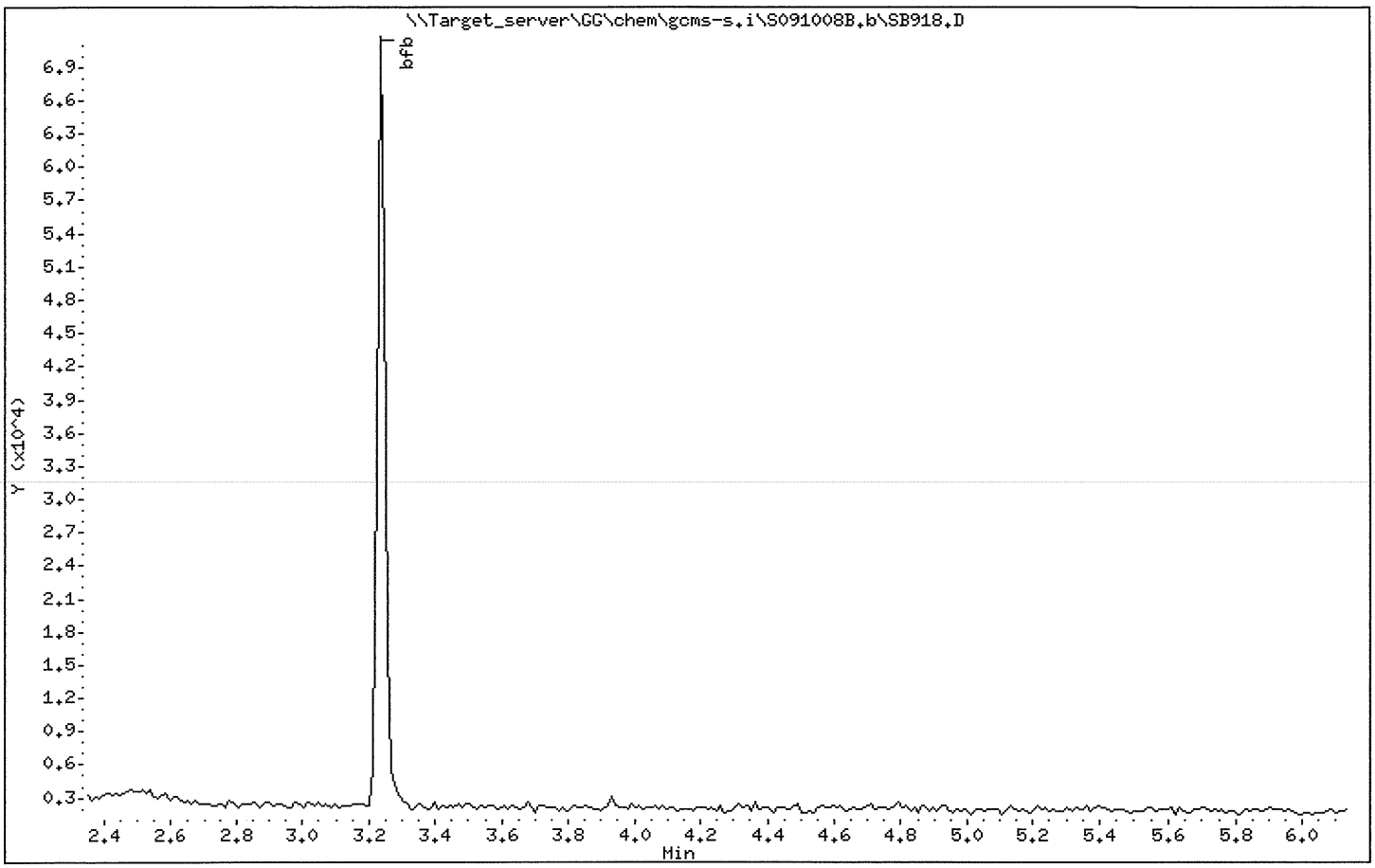
Date : 10-SEP-2008 13:27

Client ID: | Instrument: gcms-s.i

Sample Info: 50NG BFB

Volume Injected (uL): 1.0 | Operator: SKT

Column phase: RTX-VMS | Column diameter: 0.18



Data File: \\Target_server\GC\chem\gcms-s.i\S091008B.b\SB918.D

Date : 10-SEP-2008 13:27

Client ID:

Instrument: gcms-s.i

Sample Info: 50NG BFB

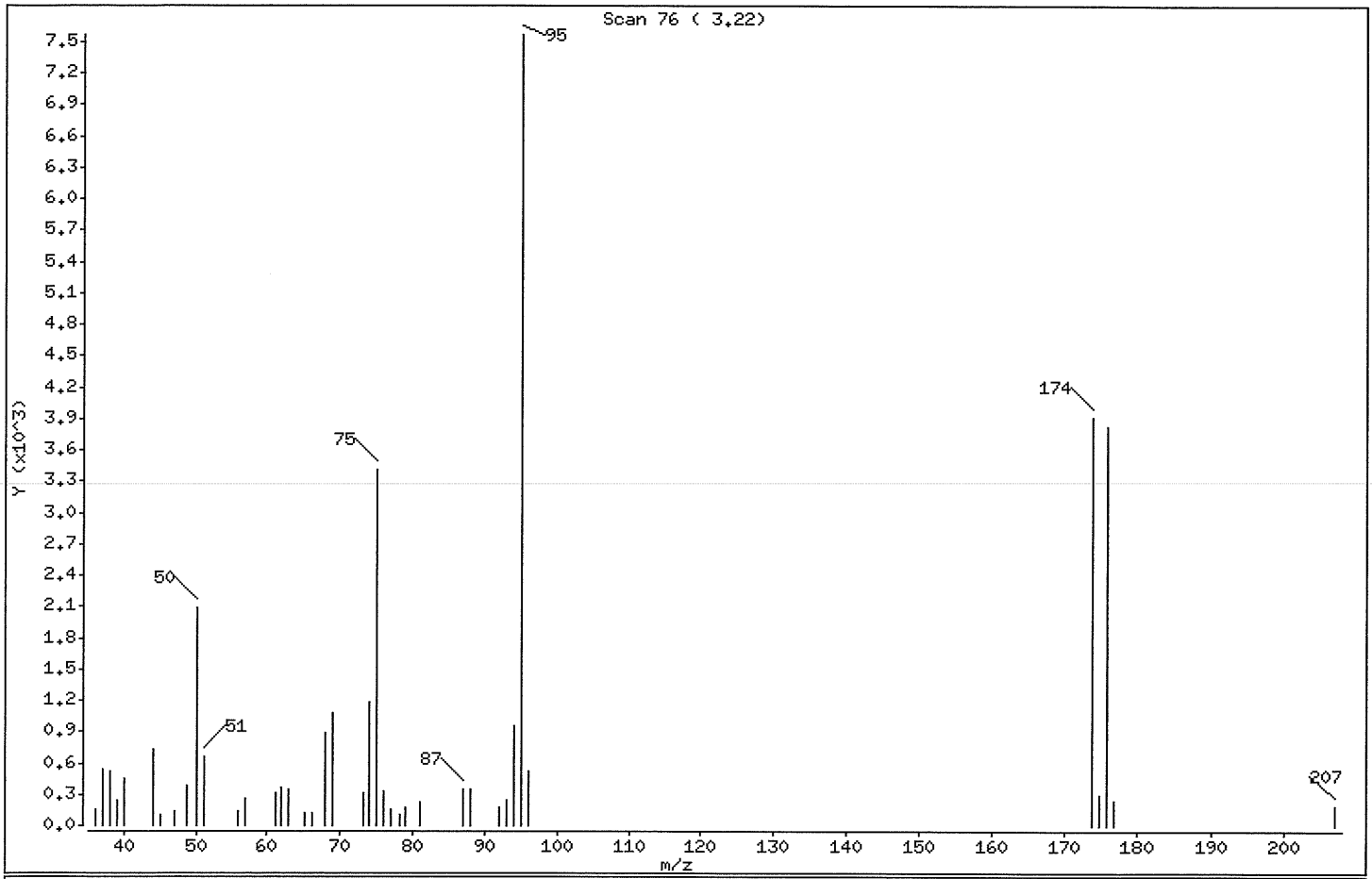
Volume Injected (uL): 1.0

Operator: SKT

Column phase: RTX-VMS

Column diameter: 0.18

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	27.64
75	30.00 - 60.00% of mass 95	45.06
96	5.00 - 9.00% of mass 95	6.98
173	Less than 2.00% of mass 174	0.00 (0.00)
174	Greater than 50.00% of mass 95	51.74
175	5.00 - 9.00% of mass 174	3.94 (7.61)
176	95.00 - 101.00% of mass 174	50.62 (97.83)
177	5.00 - 9.00% of mass 176	3.15 (6.21)

Data File: \\Target_server\GC\chem\gcms-s.i\S091008B.b\SB918.D

Date : 10-SEP-2008 13:27

Client ID: Instrument: gcms-s.i

Sample Info: 50NG BFB

Volume Injected (uL): 1.0 Operator: SKT

Column phase: RTX-VMS Column diameter: 0.18

Data File: SB918.D
Spectrum: Scan 76 (3.22)
Location of Maximum: 95.00
Number of points: 40

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.05	162	55.90	144	75.05	3409	95.00	7566
37.05	538	57.00	263	76.05	337	96.00	528
38.05	519	61.05	308	76.95	160	173.85	3915
39.05	247	61.95	368	78.15	111	174.95	298
40.00	458	62.95	349	78.95	179	175.95	3830
44.00	724	65.05	122	80.90	228	176.90	238
45.10	108	66.15	127	87.00	356	207.00	187
47.05	145	68.00	882	87.95	342		
48.95	384	69.00	1074	91.95	169		
50.05	2091	73.10	318	93.05	236		
51.05	659	74.05	1182	94.05	951		

Data File: \\Target_server\GC\chem\gcms-s.i\S091208.b\SB920.D

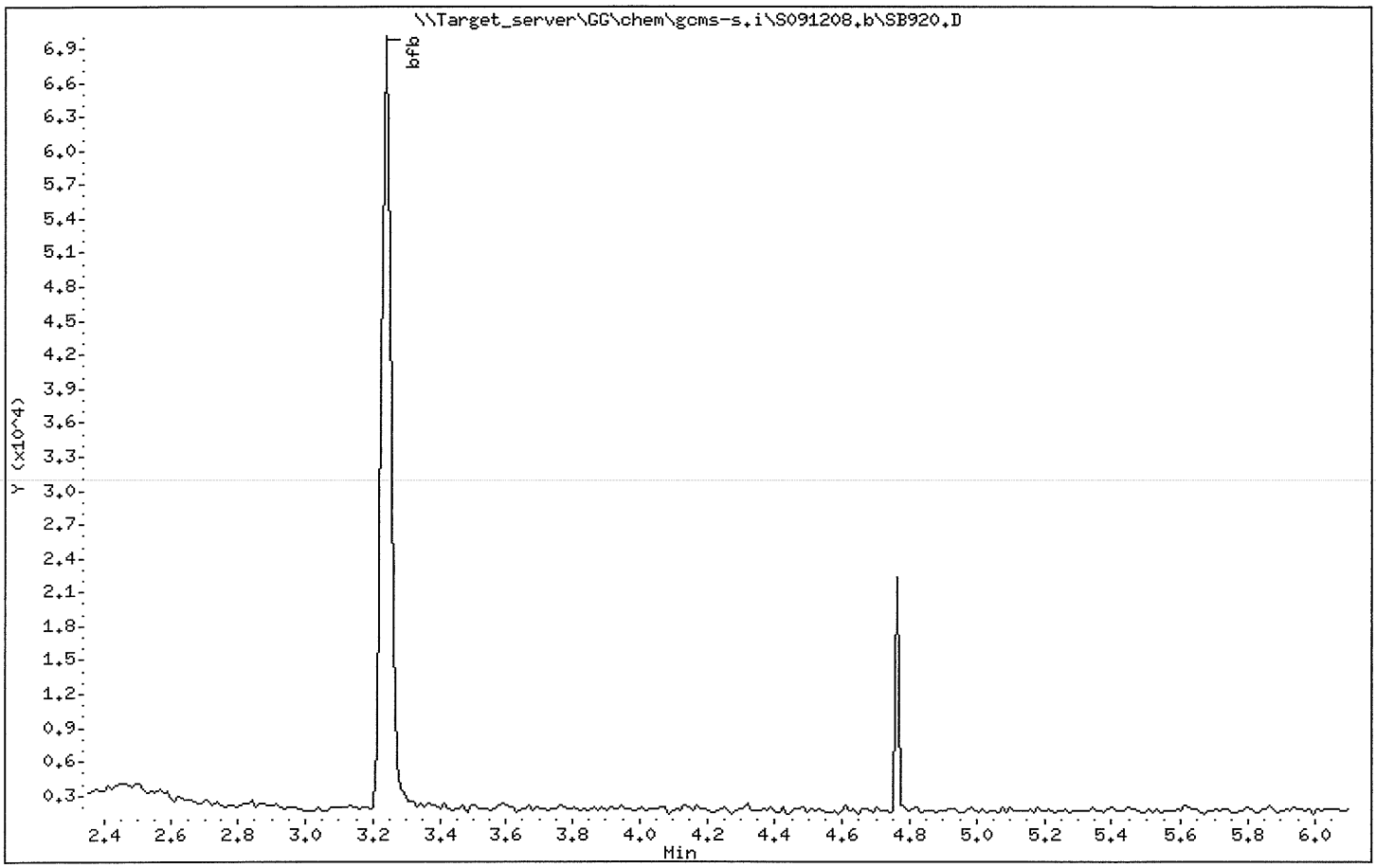
Date : 12-SEP-2008 08:23

Client ID: | Instrument: gcms-s.i

Sample Info: 50NG BFB

Volume Injected (uL): 1.0 | Operator: SKT

Column phase: RTX-VMS | Column diameter: 0.18



Data File: \\Target_server\GC\chem\gcms-s.i\S091208.b\SB920.D

Date : 12-SEP-2008 08:23

Client ID:

Instrument: gcms-s.i

Sample Info: 50NG BFB

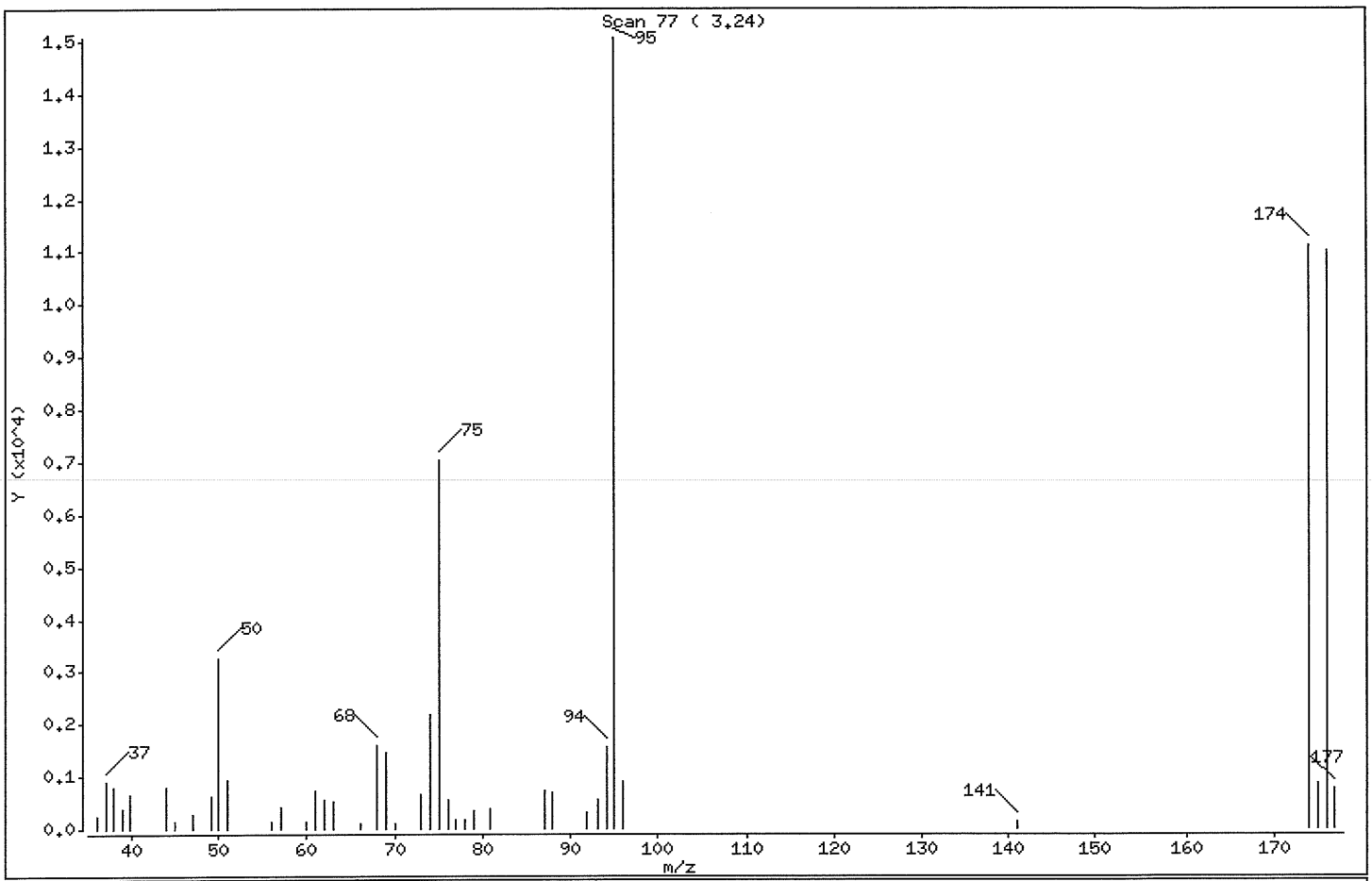
Volume Injected (uL): 1.0

Operator: SKT

Column phase: RTX-VMS

Column diameter: 0.18

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	21.50
75	30.00 - 60.00% of mass 95	46.75
96	5.00 - 9.00% of mass 95	5.91
173	Less than 2.00% of mass 174	0.00 (0.00)
174	Greater than 50.00% of mass 95	73.75
175	5.00 - 9.00% of mass 174	5.72 (7.76)
176	95.00 - 101.00% of mass 174	73.17 (99.21)
177	5.00 - 9.00% of mass 176	5.12 (7.00)

Data File: \\Target_server\GC\chem\gcms-s.i\S091208.b\SB920.D

Date : 12-SEP-2008 08:23

Client ID: Instrument: gcms-s.i

Sample Info: 50NG BFB

Volume Injected (uL): 1.0 Operator: SKT

Column phase: RTX-VMS Column diameter: 0.18

Data File: SB920.D
Spectrum: Scan 77 (3.24)
Location of Maximum: 95.00
Number of points: 41

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.05	242	56.00	152	73.95	2193	94.05	1566
37.05	913	57.00	416	75.05	7045	95.00	15070
38.05	794	60.00	155	76.05	566	96.00	891
39.05	382	60.95	742	76.95	158	141.00	144
39.90	670	61.95	564	77.95	180	173.95	11114
44.00	805	63.05	534	78.95	342	174.95	862
45.00	154	66.05	106	80.90	383	175.95	11026
47.05	288	68.00	1588	87.00	743	176.90	772
49.05	631	69.00	1468	87.95	683		
50.05	3240	70.00	103	91.95	329		
51.05	919	73.00	649	93.05	545		

Data File: \\Target_server\GC\chem\gcms-s.i\S091608.b\SB922.D

Date : 16-SEP-2008 09:25

Client ID:

Instrument: gcms-s.i

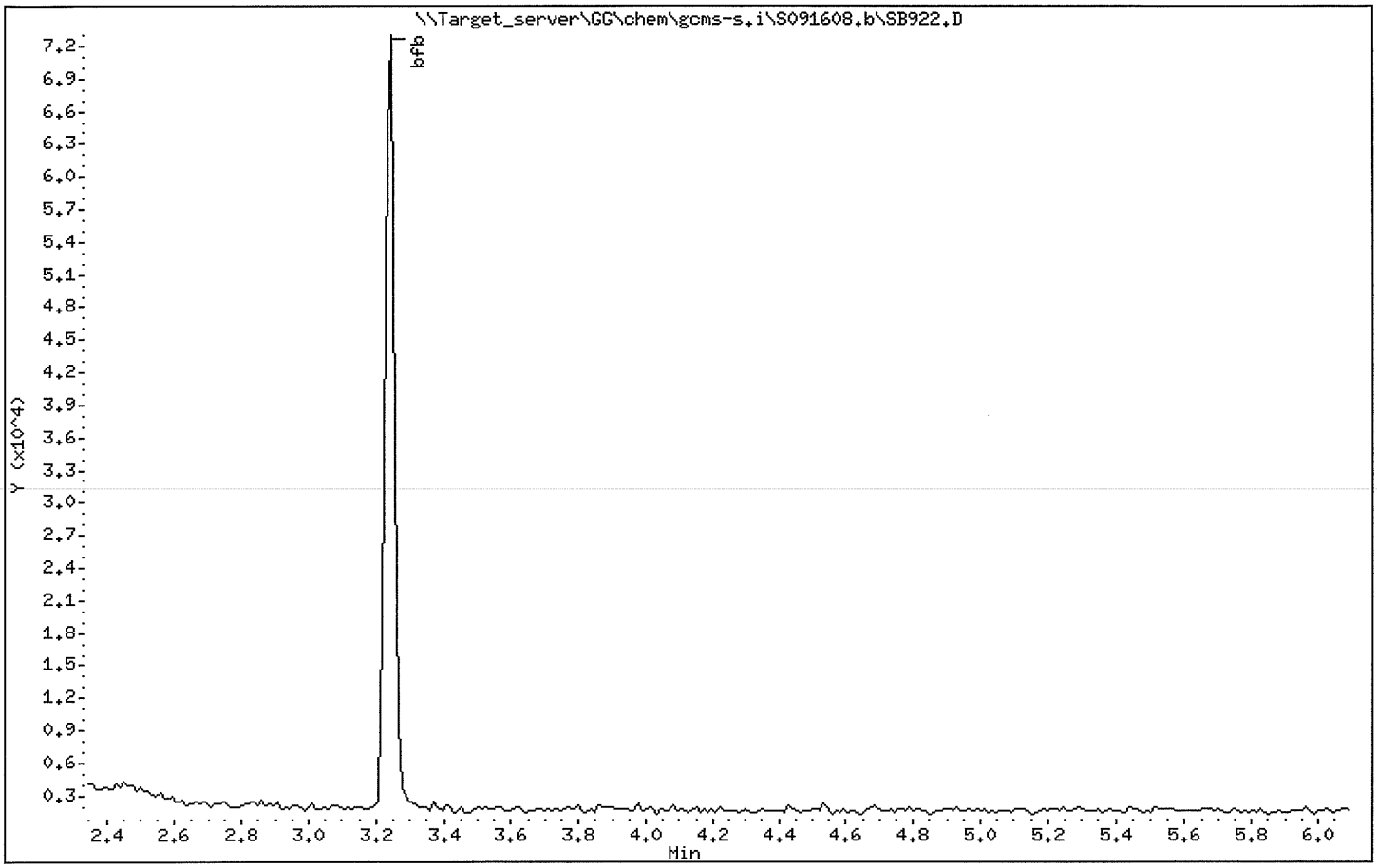
Sample Info: 50NG BFB

Volume Injected (uL): 1.0

Operator: SKT

Column phase: RTX-VMS

Column diameter: 0.18



Data File: \\Target_server\GC\chem\gcms-s.i\S091608.b\SB922.D

Date : 16-SEP-2008 09:25

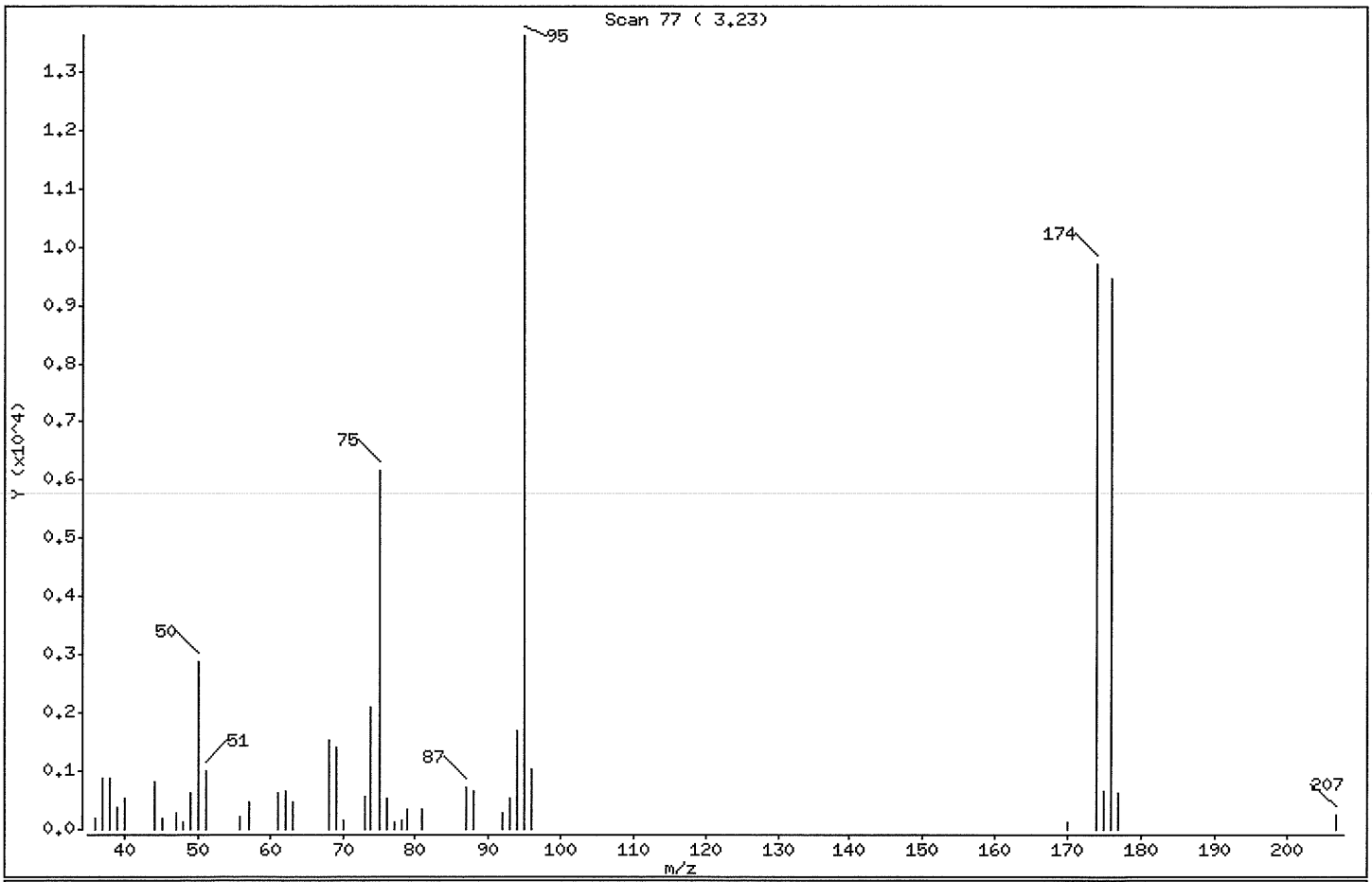
Client ID: | Instrument: gcms-s.i

Sample Info: 50NG BFB

Volume Injected (uL): 1.0 | Operator: SKT

Column phase: RTX-VMS | Column diameter: 0.18

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	21.08
75	30.00 - 60.00% of mass 95	45.38
96	5.00 - 9.00% of mass 95	7.64
173	Less than 2.00% of mass 174	0.00 (0.00)
174	Greater than 50.00% of mass 95	71.22
175	5.00 - 9.00% of mass 174	4.93 (6.93)
176	95.00 - 101.00% of mass 174	69.37 (97.40)
177	5.00 - 9.00% of mass 176	4.60 (6.62)

Data File: \\Target_server\GC\chem\gcms-s.i\S091608.b\SB922.D

Date : 16-SEP-2008 09:25

Client ID: Instrument: gcms-s.i

Sample Info: 50NG BFB

Volume Injected (uL): 1.0 Operator: SKT

Column phase: RTX-VMS Column diameter: 0.18

Data File: SB922.D
Spectrum: Scan 77 (3.23)
Location of Maximum: 95.00
Number of points: 41

m/z	Y	m/z	Y	m/z	Y	m/z	Y
35.95	178	51.05	1005	75.05	6181	95.00	13622
37.05	885	55.90	219	76.05	517	96.00	1041
38.05	863	57.00	476	77.05	126	169.95	139
39.05	380	60.95	613	78.05	156	173.95	9702
39.90	541	62.05	665	78.95	351	174.95	672
44.00	804	63.05	458	80.90	333	175.95	9450
45.00	183	68.00	1528	87.00	714	176.90	626
46.95	276	69.00	1401	87.85	646	206.90	242
47.95	118	70.10	153	92.05	296		
48.95	641	73.00	554	93.05	527		
50.05	2872	73.95	2101	94.05	1699		

Raw QC Data Section

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client:
Project: CTO 426 NLON
PO No:
Sample Date:
Received Date:
Extraction Date:
Analysis Date: 15-SEP-2008 14:32
Report Date: 09/25/2008
Matrix: WATER
% Solids: NA

Lab ID: WG55717-2
Client ID: WG55717-Blank
SDG: CTO426-5
Extracted by:
Extraction Method: SW846 5030
Analyst: TTC
Analysis Method: SW846 8260B
Lab Prep Batch: WG55717
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
1634-04-4	Methyl tert-butyl ether	U	1	1.0	1	1	0.5
71-43-2	Benzene	U	1	1.0	1	1	0.3
108-88-3	Toluene	U	1	1.0	1	1	0.4
100-41-4	Ethylbenzene	U	1	1.0	1	1	0.3
1330-20-7	Xylenes (total)	U	3	1.0	3	3	0.3
	m+p-Xylenes	U	2	1.0	2	2	0.7
95-47-6	o-Xylene	U	1	1.0	1	1	0.3
98-82-8	Isopropylbenzene	U	1	1.0	1	1	0.4
91-20-3	Naphthalene	U	1	1.0	1	1	0.4
1868-53-7	Dibromofluoromethane		87%				
17060-07-0	1,2-Dichloroethane-D4		84%				
2037-26-5	Toluene-D8		87%				
460-00-4	P-Bromofluorobenzene		104%				

Data File: \\Target_server\GG\chem\gcms-f.i\F091508.b\F1740.D
Report Date: 24-Sep-2008 15:21

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gcms-f.i\F091508.b\F1740.D
Lab Smp Id: WG55717-2 Client Smp ID: WG55717-Blank
Inj Date : 15-SEP-2008 14:32 MS Autotune Date: 02-SEP-2008 16:04
Operator : TTC Inst ID: gcms-f.i
Smp Info : WG55717-2
Misc Info : SW846 8260B
Comment :
Method : \\Target_server\GG\chem\gcms-f.i\F091508.b\F826a15.m
Meth Date : 16-Sep-2008 08:55 tcote Quant Type: ISTD
Cal Date : 05-SEP-2008 14:06 Cal File: F1671.D
Als bottle: 6 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.12

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	sample purged
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	FINAL (ug/l)	REVIEW CODE
14 Methylene Chloride	84	4.095	4.050	(0.489)	3405	0.55270	0.55(a)	
$ 37 Dibromofluoromethane	113	7.264	7.207	(0.867)	461015	43.5830	43.6	
* 42 Pentafluorobenzene	168	8.378	8.333	(1.000)	961981	50.0000		
$ 45 1,2-Dichloroethane-D4	65	8.355	8.321	(0.997)	518471	42.1320	42.1	
* 49 1,4-Difluorobenzene	114	9.225	9.192	(1.000)	1326429	50.0000		
$ 55 Toluene-D8	98	10.908	10.886	(1.182)	1099025	43.4871	43.5	
* 66 Chlorobenzene-D5	117	12.695	12.674	(1.000)	1177754	50.0000		
$ 76 P-Bromofluorobenzene	95	14.262	14.241	(1.546)	574830	52.1220	52.1	
* 91 1,4-Dichlorobenzene-D4	152	15.794	15.773	(1.000)	646208	50.0000		

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: \\Target_server\GG\chem\gcms-f.i\F091508.b\F1740.D
Report Date: 24-Sep-2008 15:21

Katahdin Analytical Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcms-f.i
Lab File ID: F1740.D
Lab Smp Id: WG55717-2
Analysis Type: VOA
Quant Type: ISTD
Operator: TTC
Method File: \\Target_server\GG\chem\gcms-f.i\F091508.b\F826a15.m
Misc Info: SW846 8260B

Calibration Date: 15-SEP-2008
Calibration Time: 10:52
Client Smp ID: WG55717-Blank
Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 4

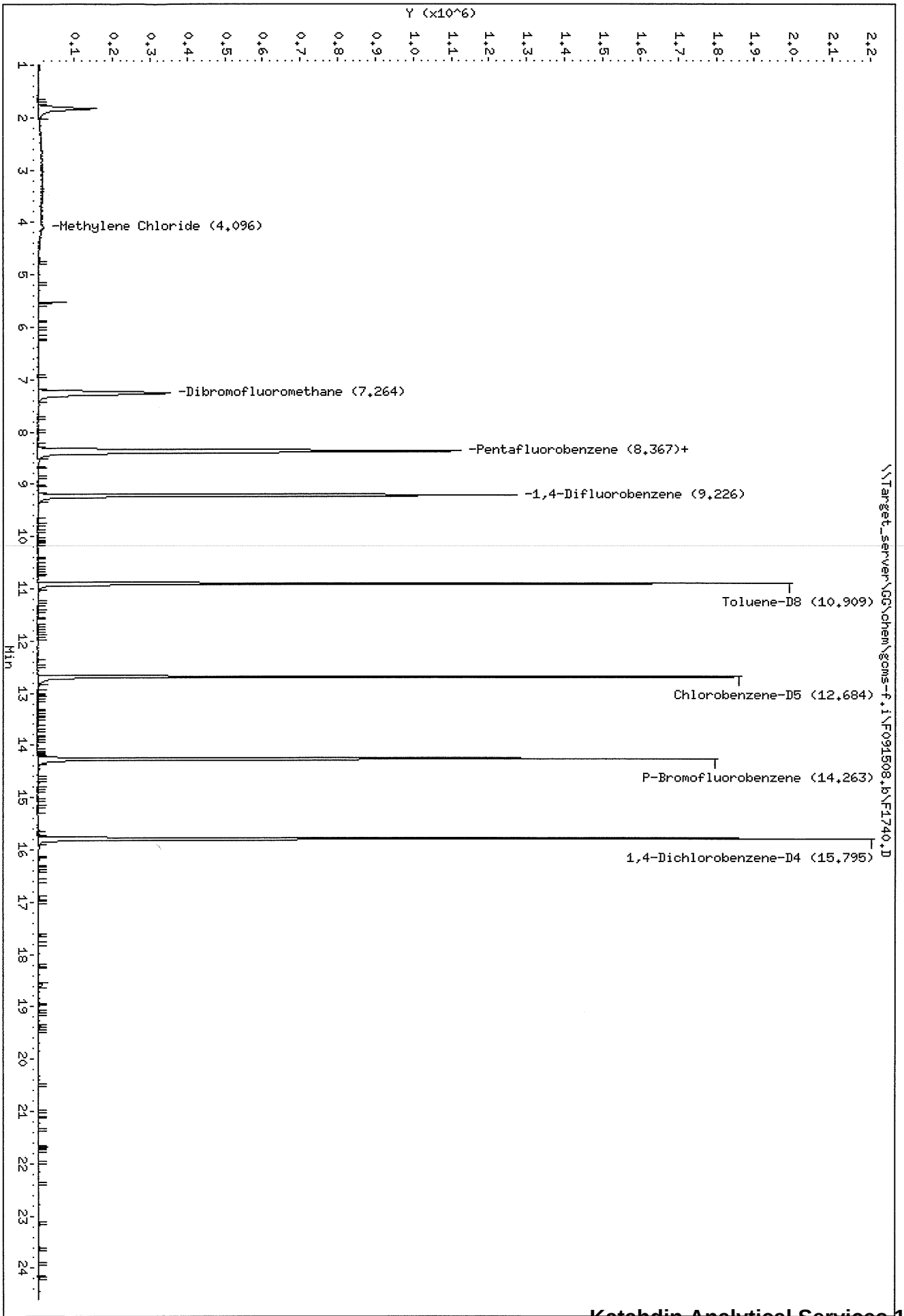
COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	1031231	515616	2062462	961981	-6.72
49 1,4-Difluorobenze	1434445	717223	2868890	1326429	-7.53
66 Chlorobenzene-D5	1217306	608653	2434612	1177754	-3.25
91 1,4-Dichlorobenze	736485	368243	1472970	646208	-12.26

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	8.39	7.89	8.89	8.38	-0.15
49 1,4-Difluorobenze	9.23	8.73	9.73	9.23	-0.01
66 Chlorobenzene-D5	12.70	12.20	13.20	12.70	-0.01
91 1,4-Dichlorobenze	15.80	15.30	16.30	15.79	-0.00

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.

Data File: \\Target_server\GC\chem\gcms-f.i\F091508.b\F1740.D
Date : 15-SEP-2008 14:32
Client ID: WG55717-Blank
Sample Info: WG55717-2

Instrument: gcms-f.i



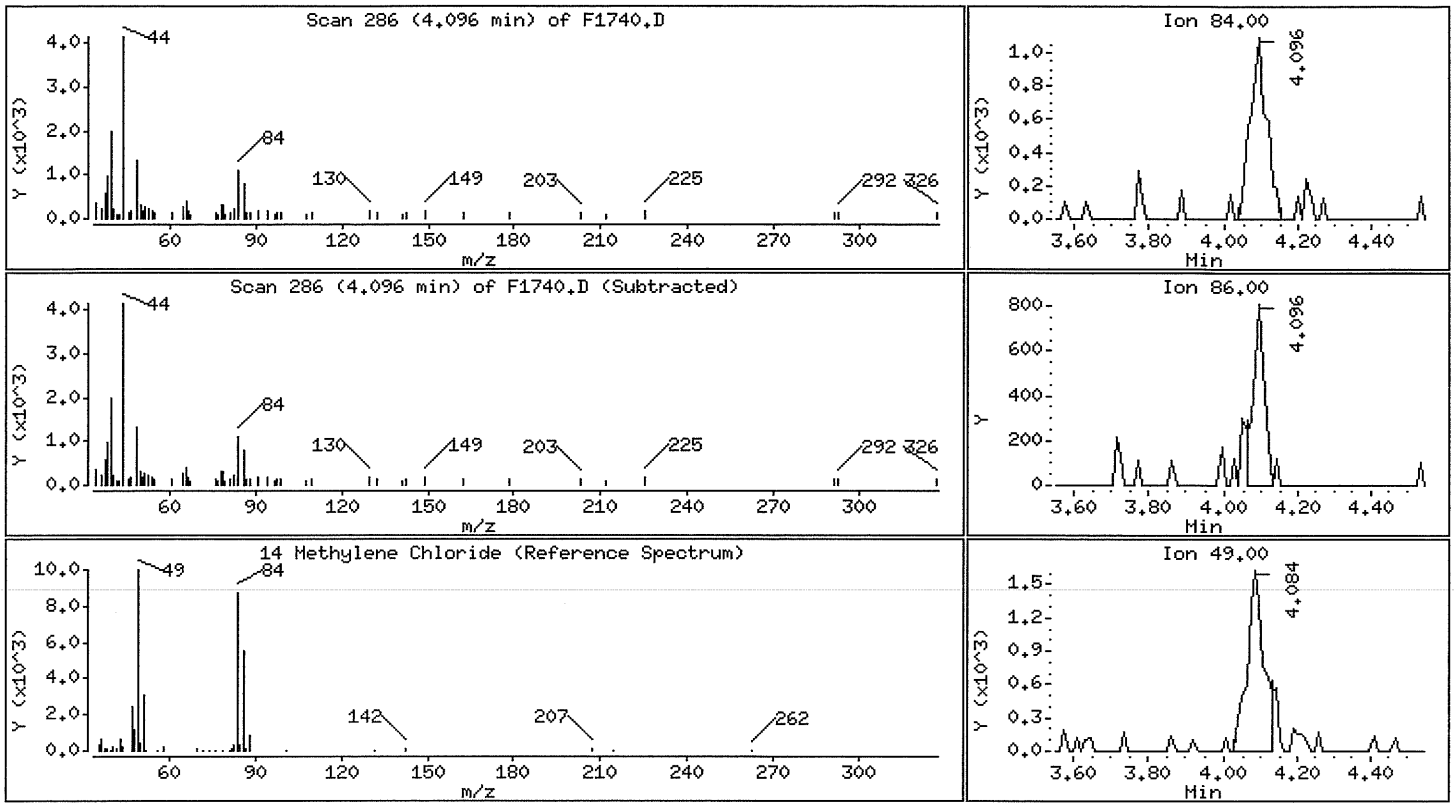
Data File: \\Target_server\GC\chem\gcms-f.i\F091508.b\F1740.D

Date : 15-SEP-2008 14:32

Client ID: WG55717-Blank | Instrument: gcms-f.i

Sample Info: WG55717-2

14 Methylene Chloride | Concentration: 0.55 ug/l



KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client:
Project: CTO 426 NLON
PO No:
Sample Date:
Received Date:
Extraction Date:
Analysis Date: 12-SEP-2008 10:43
Report Date: 09/25/2008
Matrix: WATER
% Solids: NA

Lab ID: WG55628-2
Client ID: WG55628-Blank
SDG: CTO426-5
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG55628
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
1634-04-4	Methyl tert-butyl ether	U	1	1.0	1	1	0.5
71-43-2	Benzene	U	1	1.0	1	1	0.3
108-88-3	Toluene	U	1	1.0	1	1	0.4
100-41-4	Ethylbenzene	U	1	1.0	1	1	0.3
1330-20-7	Xylenes (total)	U	3	1.0	3	3	0.3
	m+p-Xylenes	U	2	1.0	2	2	0.7
95-47-6	o-Xylene	U	1	1.0	1	1	0.3
98-82-8	Isopropylbenzene	U	1	1.0	1	1	0.4
91-20-3	Naphthalene	U	1	1.0	1	1	0.4
1868-53-7	Dibromofluoromethane		88%				
17060-07-0	1,2-Dichloroethane-D4		85%				
2037-26-5	Toluene-D8		90%				
460-00-4	P-Bromofluorobenzene		88%				

Data File: \\Target_server\GG\chem\gcms-s.i\S091208.b\S2853.D
Report Date: 24-Sep-2008 15:37

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gcms-s.i\S091208.b\S2853.D
Lab Smp Id: WG55628-2 Client Smp ID: WG55628-Blank
Inj Date : 12-SEP-2008 10:43 MS Autotune Date: 21-NOV-2007 15:16
Operator : SKT Inst ID: gcms-s.i
Smp Info : WG55628-2
Misc Info : SW846 8260B
Comment :
Method : \\target_server\GG\chem\gcms-s.i\S091208.b\s826a63.m
Meth Date : 22-Sep-2008 08:52 tcote Quant Type: ISTD
Cal Date : 10-SEP-2008 16:57 Cal File: S2831.D
Als bottle: 4 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.12
Processing Host: V200T3

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)	REVIEW CODE
36 Tetrahydrofuran	42	8.093	8.054	(0.897)	2958	1.78543	1.8(aM)	M9
$ 37 Dibromofluoromethane	113	8.128	8.124	(0.901)	238531	43.9336	43.9	
* 42 Pentafluorobenzene	168	9.023	9.019	(1.000)	486202	50.0000		
$ 45 1,2-Dichloroethane-D4	65	9.023	9.019	(1.000)	251718	42.6974	42.7	
* 49 1,4-Difluorobenzene	114	9.744	9.740	(1.000)	736244	50.0000		
$ 55 Toluene-D8	98	11.302	11.299	(1.160)	686001	44.9486	44.9	
* 66 Chlorobenzene-D5	117	13.163	13.160	(1.000)	646073	50.0000		
$ 76 P-Bromofluorobenzene	95	14.756	14.753	(1.514)	273441	44.0340	44.0	
* 91 1,4-Dichlorobenzene-D4	152	16.292	16.300	(1.000)	306031	50.0000		

SKT 092508

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
M - Compound response manually integrated.

Data File: \\Target_server\GG\chem\gcms-s.i\S091208.b\S2853.D
Report Date: 24-Sep-2008 15:37

Katahdin Analytical Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcms-s.i
Lab File ID: S2853.D
Lab Smp Id: WG55628-2
Analysis Type: VOA
Quant Type: ISTD
Operator: SKT
Method File: \\target_server\GG\chem\gcms-s.i\S091208.b\s826a63.m
Misc Info: SW846 8260B

Calibration Date: 12-SEP-2008
Calibration Time: 08:47
Client Smp ID: WG55628-Blank
Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 4

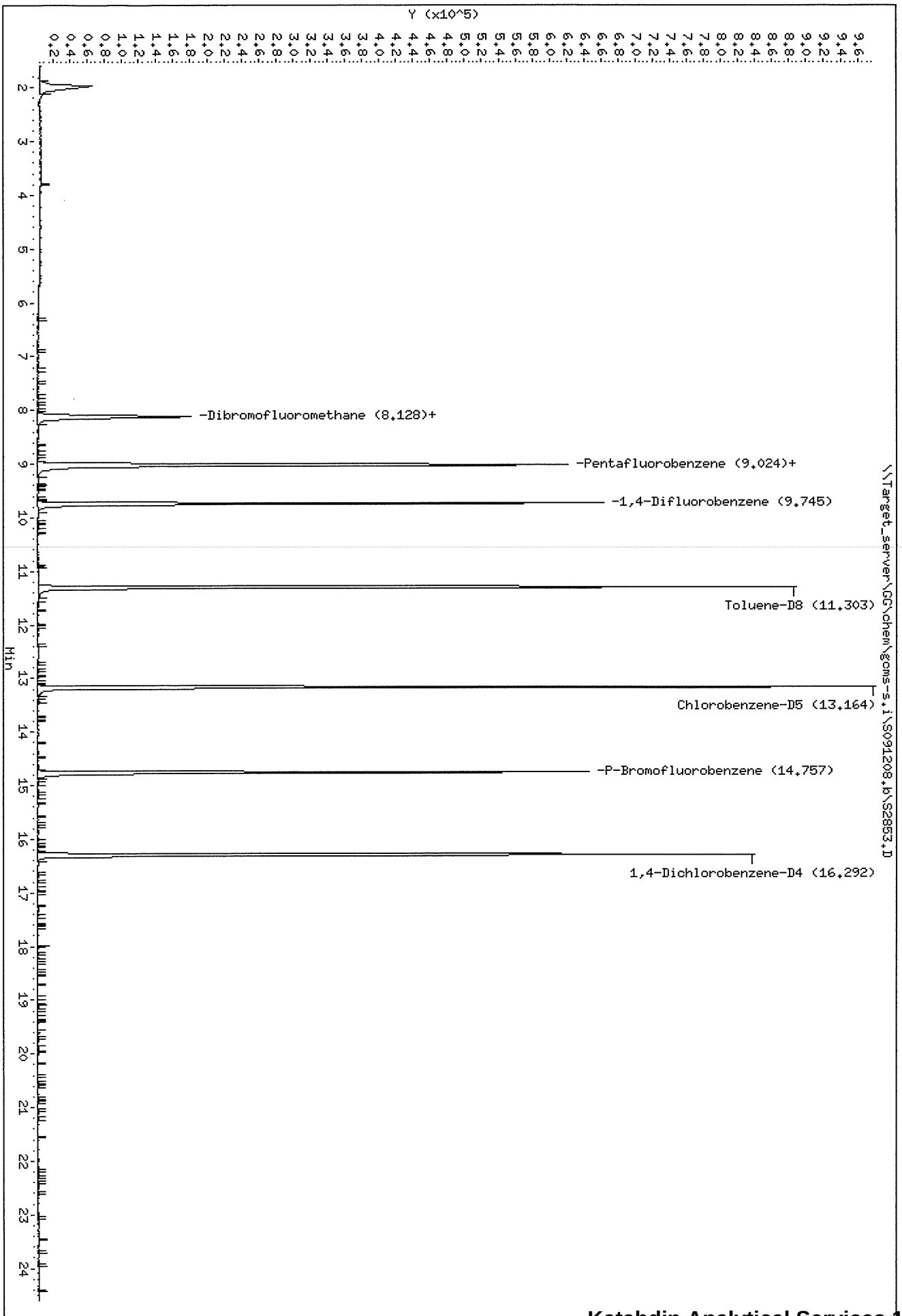
COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	474520	237260	949040	486202	2.46
49 1,4-Difluorobenze	732237	366119	1464474	736244	0.55
66 Chlorobenzene-D5	618564	309282	1237128	646073	4.45
91 1,4-Dichlorobenze	311384	155692	622768	306031	-1.72

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	9.01	8.51	9.51	9.02	0.13
49 1,4-Difluorobenze	9.74	9.24	10.24	9.74	0.00
66 Chlorobenzene-D5	13.16	12.66	13.66	13.16	0.00
91 1,4-Dichlorobenze	16.29	15.79	16.79	16.29	0.00

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.

Data File: \\Target_server\GC\chem\gcms-s.i\S091208.b\S2853.D
Date : 12-SEP-2008 10:43
Client ID: WG55628-Blank
Sample Info: WG55628-2

Instrument: gcms-s.i



Data File: \\Target_server\GC\chem\gcms-s.i\S091208.b\S2853.D

Date : 12-SEP-2008 10:43

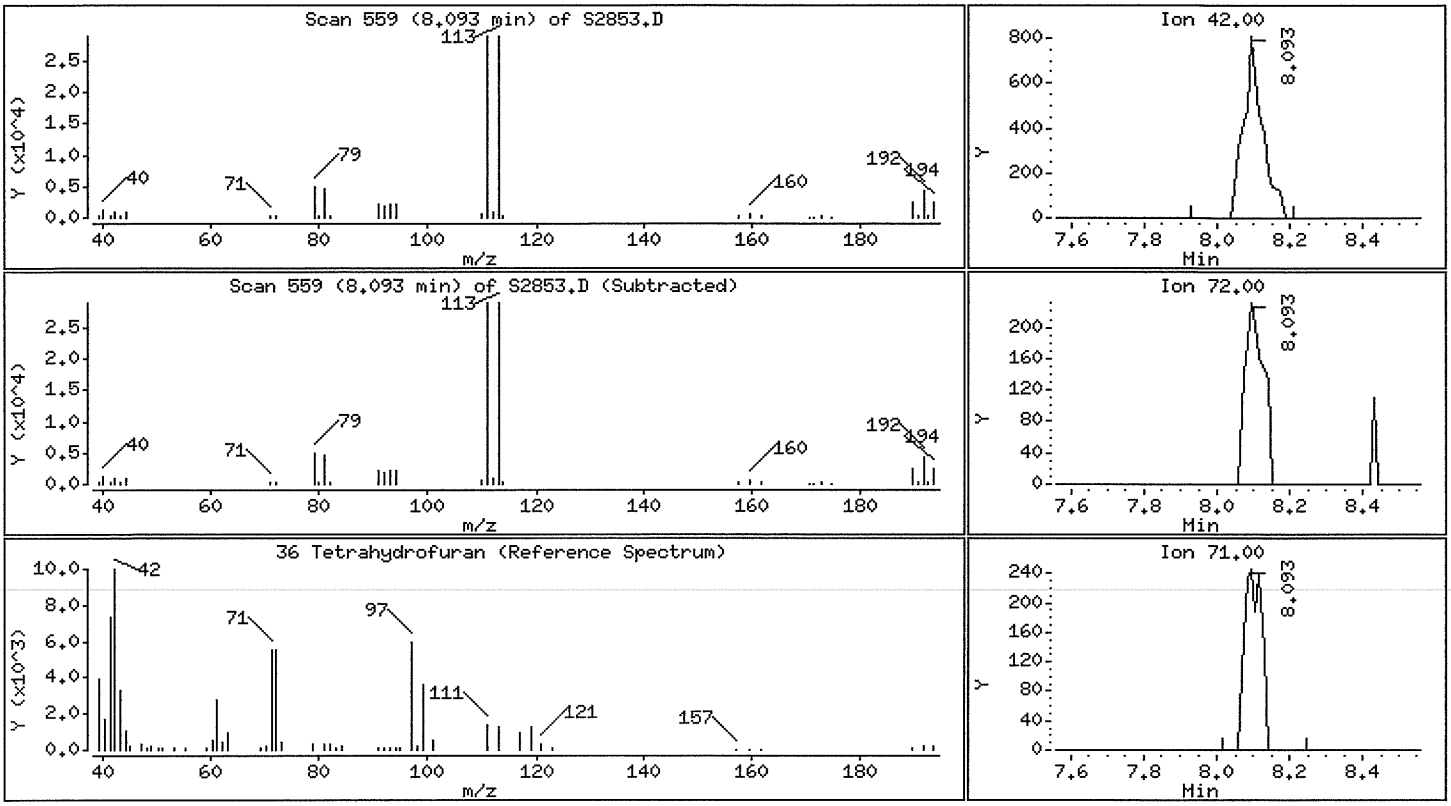
Client ID: WG55628-Blank

Instrument: gcms-s.i

Sample Info: WG55628-2

36 Tetrahydrofuran

Concentration: 1.8 ug/l



KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client:
Project: CTO 426 NLON
PO No:
Sample Date:
Received Date:
Extraction Date:
Analysis Date: 16-SEP-2008 11:43
Report Date: 09/25/2008
Matrix: WATER
% Solids: NA

Lab ID: WG55748-2
Client ID: WG55748-Blank
SDG: CTO426-5
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG55748
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
1634-04-4	Methyl tert-butyl ether	U	1	1.0	1	1	0.5
71-43-2	Benzene	U	1	1.0	1	1	0.3
108-88-3	Toluene	U	1	1.0	1	1	0.4
100-41-4	Ethylbenzene	U	1	1.0	1	1	0.3
1330-20-7	Xylenes (total)	U	3	1.0	3	3	0.3
	m+p-Xylenes	U	2	1.0	2	2	0.7
95-47-6	o-Xylene	U	1	1.0	1	1	0.3
98-82-8	Isopropylbenzene	U	1	1.0	1	1	0.4
91-20-3	Naphthalene	U	1	1.0	1	1	0.4
1868-53-7	Dibromofluoromethane		88%				
17060-07-0	1,2-Dichloroethane-D4		81%				
2037-26-5	Toluene-D8		88%				
460-00-4	P-Bromofluorobenzene		85%				

Data File: \\Target_server\GG\chem\gcms-s.i\S091608.b\S2928.D
Report Date: 25-Sep-2008 08:05

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gcms-s.i\S091608.b\S2928.D
Lab Smp Id: WG55748-2 Client Smp ID: WG55748-Blank
Inj Date : 16-SEP-2008 11:43 MS Autotune Date: 21-NOV-2007 15:16
Operator : SKT Inst ID: gcms-s.i
Smp Info : WG55748-2
Misc Info : SW846 8260B
Comment :
Method : \\Target_server\GG\chem\gcms-s.i\S091608.b\s826a63.m
Meth Date : 17-Sep-2008 13:28 sthompson Quant Type: ISTD
Cal Date : 10-SEP-2008 16:57 Cal File: S2831.D
Als bottle: 4 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.12
Processing Host: MIS_2

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)	REVIEW CODE
14 Methylene Chloride	84	4.610	4.600	(0.511)	1522	0.75649	0.76(aM)	M9
$ 37 Dibromofluoromethane	113	8.122	8.124	(0.901)	239711	44.1608	44.2	SKT 092508
* 42 Pentafluorobenzene	168	9.018	9.019	(1.000)	486094	50.0000		
$ 45 1,2-Dichloroethane-D4	65	9.029	9.019	(1.001)	240031	40.7240	40.7	
* 49 1,4-Difluorobenzene	114	9.739	9.740	(1.000)	772758	50.0000		
$ 55 Toluene-D8	98	11.297	11.299	(1.160)	707505	44.1671	44.2	
* 66 Chlorobenzene-D5	117	13.169	13.160	(1.000)	655462	50.0000		
$ 76 P-Bromofluorobenzene	95	14.751	14.753	(1.515)	277637	42.5971	42.6	
* 91 1,4-Dichlorobenzene-D4	152	16.298	16.300	(1.000)	321817	50.0000		

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
M - Compound response manually integrated.

Data File: \\Target_server\GG\chem\gcms-s.i\S091608.b\S2928.D
Report Date: 25-Sep-2008 08:05

Katahdin Analytical Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcms-s.i
Lab File ID: S2928.D
Lab Smp Id: WG55748-2
Analysis Type: VOA
Quant Type: ISTD
Operator: SKT
Method File: \\Target_server\GG\chem\gcms-s.i\S091608.b\s826a63.m
Misc Info: SW846 8260B

Calibration Date: 16-SEP-2008
Calibration Time: 09:48
Client Smp ID: WG55748-Blank
Level: LOW
Sample Type: WATER

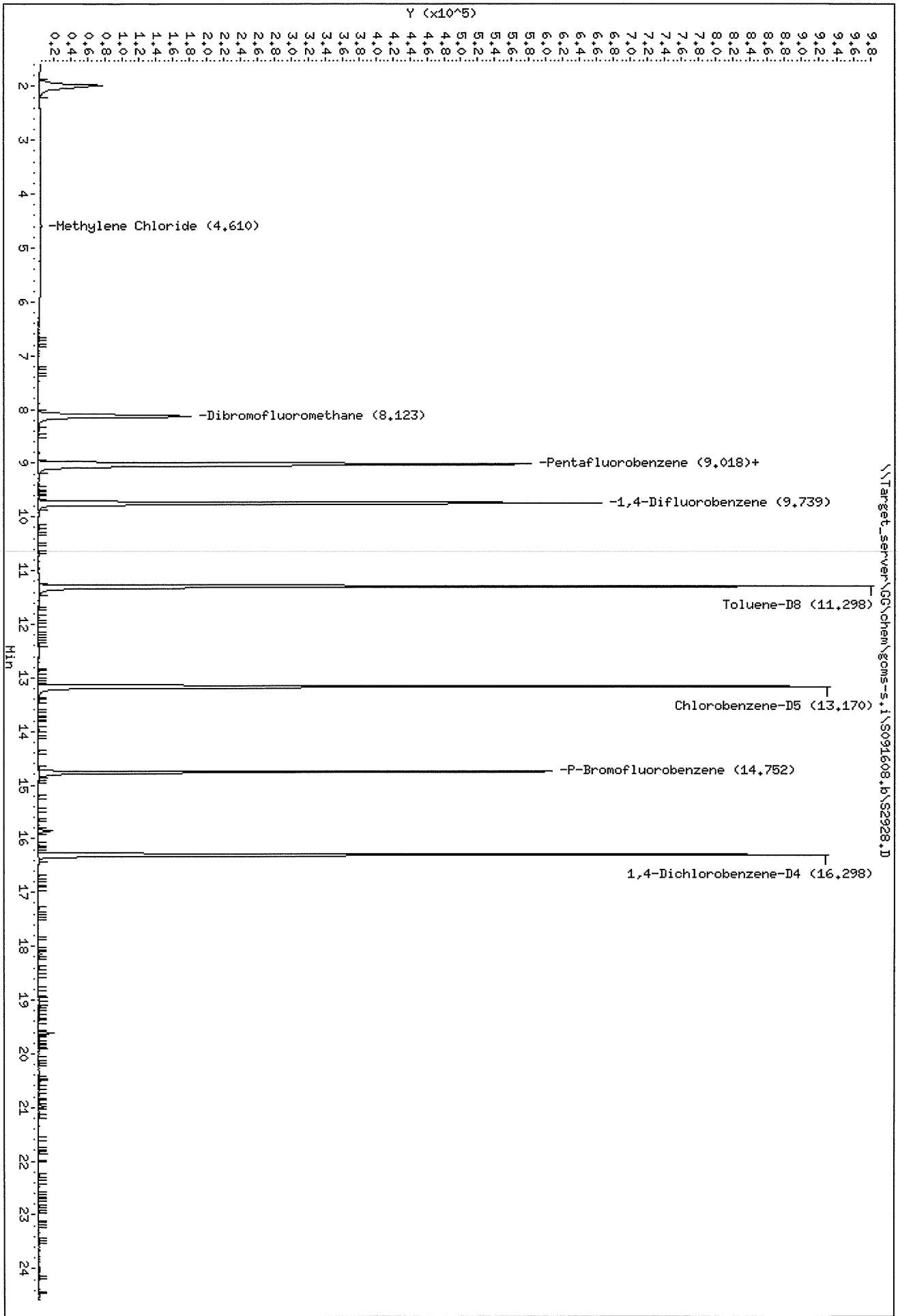
Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 4

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	467124	233562	934248	486094	4.06
49 1,4-Difluorobenze	723542	361771	1447084	772758	6.80
66 Chlorobenzene-D5	631581	315791	1263162	655462	3.78
91 1,4-Dichlorobenze	312865	156433	625730	321817	2.86

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	9.01	8.51	9.51	9.02	0.08
49 1,4-Difluorobenze	9.74	9.24	10.24	9.74	-0.05
66 Chlorobenzene-D5	13.16	12.66	13.66	13.17	0.05
91 1,4-Dichlorobenze	16.29	15.79	16.79	16.30	0.04

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.

Data File: \\Target_server\GC\chem\gcms-s.i\S091608.b\S2928.D
Date : 16-SEP-2008 11:43
Client ID: WG55748-Blank
Sample Info: WG55748-2



\\Target_server\GC\chem\gcms-s.i\S091608.b\S2928.D

Instrument: gcms-s.i

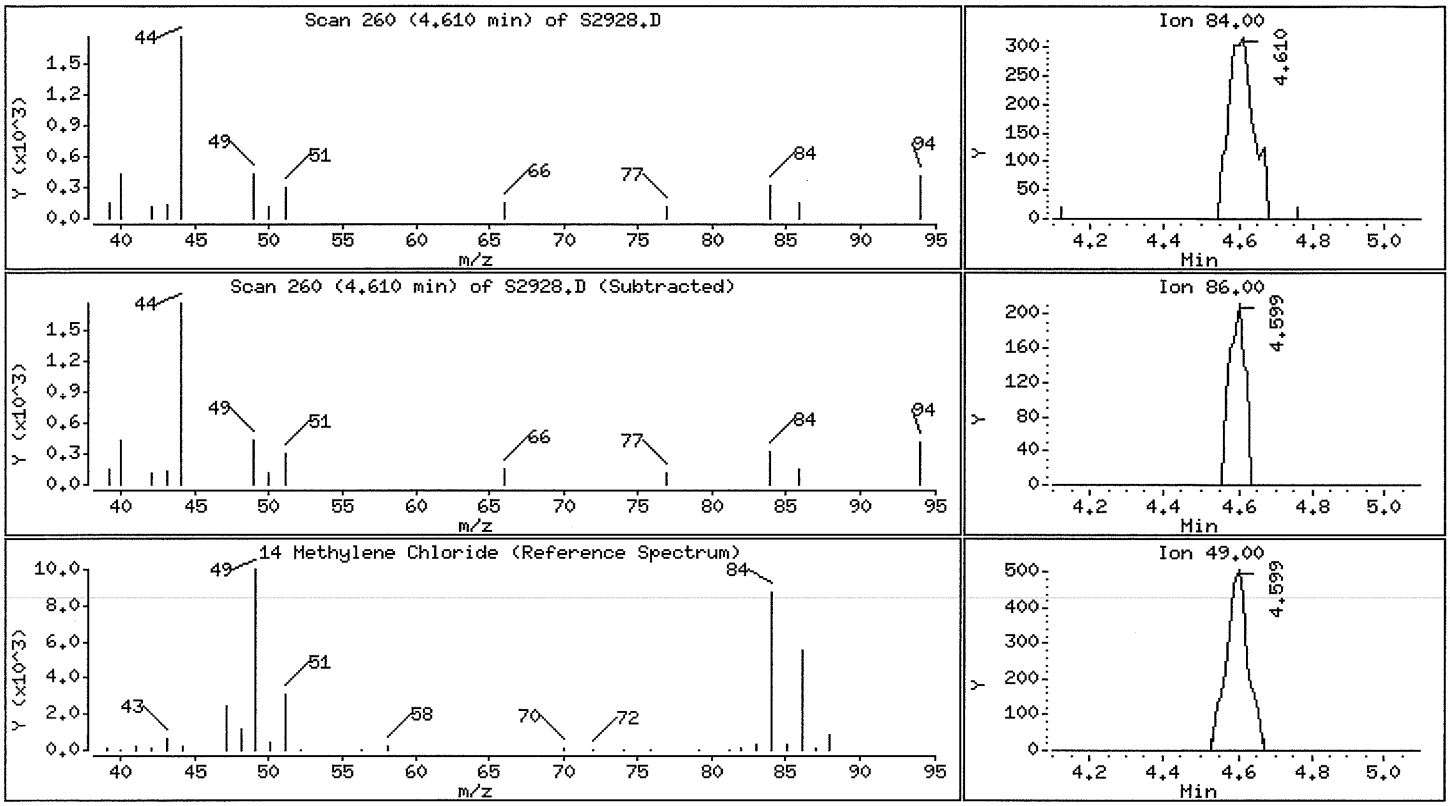
Data File: \\Target_server\GC\chem\gcms-s.i\S091608.b\S2928.D

Date : 16-SEP-2008 11:43

Client ID: WG55748-Blank Instrument: gcms-s.i

Sample Info: WG55748-2

14 Methylene Chloride Concentration: 0.76 ug/l



KATAHDIN ANALYTICAL SERVICES
LAB CONTROL SAMPLE

Client:
Project: CTO 426 NLON
PO No:
Sample Date:
Received Date:
Extraction Date:
Analysis Date: 09/15/08
Report Date: 09/25/2008
Matrix: WATER

Lab ID: WG55717-1
Client ID: WG55717-LCS
SDG: CTO426-5
Extracted by:
Extraction Method: SW846 5030
Analyst: TTC
Analysis Method: SW846 8260B
Lab Prep Batch: WG55717
Units: ug/l

COMPOUND	LCS SPIKE	SAMPLE CONC.	LCS CONC.		%REC.	QC. LIMITS
Dichlorodifluoromethane	50	NA	62		124	40-192
Chloromethane	50	NA	43		86	47-151
Vinyl chloride	50	NA	47		94	63-141
Bromomethane	50	NA	48		96	41-169
Chloroethane	50	NA	47		93	57-145
Trichlorofluoromethane	50	NA	63		126	85-164
Diethyl Ether	50	NA	50		99	74-132
Tertiary-butyl alcohol	250	NA	54	*	21	30-162
1,1-Dichloroethene	50	NA	50		101	79-126
Carbon Disulfide	50	NA	54		109	72-127
Freon-113	50	NA	47		93	78-132
Iodomethane	50	NA	54		107	54-181
Acrolein	250	NA	224		90	67-125
Methylene Chloride	50	NA	43		86	70-120
Acetone	50	NA	22	*	44	54-134
Isobutyl Alcohol	1000	NA	66	*	7	28-157
trans-1,2-Dichloroethene	50	NA	48		95	76-127
Allyl Chloride	50	NA	44		88	62-141
Methyl tert-butyl ether	100	NA	100		100	78-136
Acetonitrile	500	NA	200	*	40	47-143
Di-isopropyl ether	50	NA	41		82	72-129
Chloroprene	50	NA	45		91	74-132
Methacrylonitrile	500	NA	428		86	67-138
Propionitrile	500	NA	428		86	61-136
1,1-Dichloroethane	50	NA	50		99	80-126
Acrylonitrile	250	NA	214		86	63-135
Ethyl tertiary-butyl ether	50	NA	47		94	79-124
Vinyl Acetate	50	NA	47		94	68-135
cis-1,2-Dichloroethene	50	NA	47		94	80-116
1,2-Dichloroethylene (total)	100	NA	95		95	79-121
Methyl Methacrylate	50	NA	46		93	70-133
2,2-Dichloropropane	50	NA	53		107	66-150
Bromochloromethane	50	NA	54		108	90-131
Chloroform	50	NA	49		97	86-124
Carbon Tetrachloride	50	NA	59		119	73-146
Tetrahydrofuran	50	NA	36		72	66-120
1,1,1-Trichloroethane	50	NA	55		111	88-125
1,1-Dichloropropene	50	NA	47		94	84-123
2-Butanone	50	NA	43		86	59-125
Benzene	50	NA	47		94	88-115
Cyclohexane	50	NA	39		79	60-150
Ethyl Methacrylate	50	NA	49		98	76-121
Tertiary-amyl methyl ether	50	NA	46		91	80-122
1,2-Dichloroethane	50	NA	56		111	82-125
Trichloroethene	50	NA	49		97	84-115

KATAHDIN ANALYTICAL SERVICES
LAB CONTROL SAMPLE

Client:
Project: CTO 426 NLON
PO No:
Sample Date:
Received Date:
Extraction Date:
Analysis Date: 09/15/08
Report Date: 09/25/2008
Matrix: WATER

Lab ID: WG55717-1
Client ID: WG55717-LCS
SDG: CTO426-5
Extracted by:
Extraction Method: SW846 5030
Analyst: TTC
Analysis Method: SW846 8260B
Lab Prep Batch: WG55717
Units: ug/l

COMPOUND	LCS SPIKE	SAMPLE CONC.	LCS CONC.	%REC.	QC. LIMITS
Dibromomethane	50	NA	56	111	83-121
1,2-Dichloropropane	50	NA	45	90	79-121
Bromodichloromethane	50	NA	53	106	89-113
cis-1,3-dichloropropene	50	NA	50	100	87-118
1,4-Dioxane	1000	NA	221	22	10-156
2-Chloroethylvinylether	50	NA	47	95	30-177
Toluene	50	NA	48	96	87-119
4-methyl-2-pentanone	50	NA	44	89	70-123
Tetrachloroethene	50	NA	47	94	58-147
trans-1,3-Dichloropropene	50	NA	57	114	90-137
1,1,2-Trichloroethane	50	NA	49	98	80-115
Dibromochloromethane	50	NA	50	99	84-122
1,3-Dichloropropane	50	NA	47	95	76-118
1,2-Dibromoethane	50	NA	54	109	83-116
2-Hexanone	50	NA	47	93	66-121
Chlorobenzene	50	NA	48	97	88-112
Ethylbenzene	50	NA	48	96	86-116
1,1,1,2-Tetrachloroethane	50	NA	52	104	83-118
Xylenes (total)	150	NA	142	95	84-120
m+p-Xylenes	100	NA	94	94	83-122
o-Xylene	50	NA	47	94	82-119
Styrene	50	NA	52	103	85-116
Bromoform	50	NA	50	100	78-127
Isopropylbenzene	50	NA	49	98	90-132
cis-1,4-Dichloro-2-Butene	50	NA	42	84	70-126
trans-1,4-Dichloro-2-Butene	50	NA	45	91	69-132
Bromobenzene	50	NA	45	89	87-113
N-Propylbenzene	50	NA	46	91	84-121
1,1,2,2-Tetrachloroethane	50	NA	44	88	72-119
1,3,5-Trimethylbenzene	50	NA	47	94	84-121
2-Chlorotoluene	50	NA	46	91	85-114
1,2,3-Trichloropropane	50	NA	45	89	74-114
4-Chlorotoluene	50	NA	47	95	81-120
tert-Butylbenzene	50	NA	46	91	73-132
Pentachloroethane	50	NA	43	87	32-163
1,2,4-Trimethylbenzene	50	NA	46	93	80-116
P-Isopropyltoluene	50	NA	48	95	82-125
1,3-Dichlorobenzene	50	NA	47	93	82-118
1,4-Dichlorobenzene	50	NA	47	93	83-113
N-Butylbenzene	50	NA	43	87	72-128
sec-Butylbenzene	50	NA	44	87	83-120
1,2-Dichlorobenzene	50	NA	45	91	83-116
1,2-Dibromo-3-Chloropropane	50	NA	49	98	69-121
1,3,5-Trichlorobenzene	50	NA	43	87	80-123
Hexachlorobutadiene	50	NA	42	85	61-124

KATAHDIN ANALYTICAL SERVICES
LAB CONTROL SAMPLE

Client:
Project: CTO 426 NLON
PO No:
Sample Date:
Received Date:
Extraction Date:
Analysis Date: 09/15/08
Report Date: 09/25/2008
Matrix: WATER

Lab ID: WG55717-1
Client ID: WG55717-LCS
SDG: CTO426-5
Extracted by:
Extraction Method: SW846 5030
Analyst: TTC
Analysis Method: SW846 8260B
Lab Prep Batch: WG55717
Units: ug/l

COMPOUND	LCS SPIKE	SAMPLE CONC.	LCS CONC.		%REC.	QC. LIMITS
1,2,4-Trichlorobenzene	50	NA	46		93	71-127
1,2,3-Trimethylbenzene	50	NA	42	*	84	89-115
Naphthalene	50	NA	41		82	57-132
1,2,3-Trichlorobenzene	50	NA	45		90	62-124
Methyl Acetate	50	NA	41		82	62-137
Methylcyclohexane	50	NA	40		80	74-128
1-Chlorohexane	50	NA	36	*	71	84-118
Total Alkylbenzenes	350	NA	320		91	60-140

Katahdin Analytical Services 1000252

Data File: \\Target_server\GG\chem\gcms-f.i\F091508.b\F1737.D
Report Date: 24-Sep-2008 15:21

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gcms-f.i\F091508.b\F1737.D
Lab Smp Id: WG55717-1 Client Smp ID: WG55717-LCS
Inj Date : 15-SEP-2008 12:18 MS Autotune Date: 02-SEP-2008 16:04
Operator : TTC Inst ID: gcms-f.i
Smp Info : WG55717-1
Misc Info : SW846 8260B
Comment :
Method : \\Target_server\GG\chem\gcms-f.i\F091508.b\F826a15.m
Meth Date : 16-Sep-2008 08:55 tcote Quant Type: ISTD
Cal Date : 05-SEP-2008 14:06 Cal File: F1671.D
Als bottle: 3 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.12

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	sample purged
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	FINAL (ug/l)	REVIEW CODE
1 Dichlorodifluoromethane	85	1.982	1.938	(0.236)	651360	62.1970	62.2	
2 Chloromethane	50	2.179	2.134	(0.260)	512799	43.1127	43.1	
3 Vinyl chloride	62	2.260	2.205	(0.269)	508414	47.1921	47.2	
4 Bromomethane	94	2.574	2.530	(0.307)	399137	48.2292	48.2	
5 Chloroethane	64	2.701	2.658	(0.322)	254984	46.7171	46.7	
6 Trichlorofluoromethane	101	2.852	2.797	(0.340)	906469	63.0168	63.0	
7 Diethyl Ether	59	3.177	3.134	(0.379)	339419	49.5247	49.5	
8 Tertiary-butyl alcohol	59	4.674	4.642	(0.557)	51601	53.7223	53.7(R)	
9 1,1-Dichloroethene	96	3.398	3.342	(0.405)	367356	50.3814	50.4	
10 Carbon Disulfide	76	3.421	3.366	(0.408)	1335147	54.4267	54.4	
11 Freon-113	151	3.444	3.389	(0.411)	374611	46.6535	46.6	
12 Iodomethane	142	3.560	3.505	(0.424)	990518	53.6134	53.6	
13 Acrolein	56	3.804	3.749	(0.454)	302173	224.295	224	
14 Methylene Chloride	84	4.106	4.050	(0.489)	424290	42.8026	42.8	
15 Acetone	43	4.175	4.155	(0.498)	46421	22.1138	22.1(R)	
16 Isobutyl Alcohol	43	8.667	8.704	(1.033)	655	66.2645	66.3(R)	
17 trans-1,2-Dichloroethene	96	4.315	4.259	(0.514)	463566	47.7036	47.7	
18 Allyl Chloride	41	3.966	3.911	(0.473)	587799	43.9952	44.0	
19 Methyl tert-butyl ether	73	4.500	4.445	(0.537)	2909034	100.086	100	
20 Acetonitrile	39	4.837	4.782	(0.577)	24912	200.579	200(R)	
21 Di-isopropyl ether	45	5.104	5.049	(0.608)	1501318	41.1745	41.2	
22 Chloroprene	53	5.220	5.153	(0.622)	795453	45.4029	45.4	
23 Propionitrile	54	8.214	8.159	(0.979)	418279	428.246	428	
24 Methacrylonitrile	41	8.249	8.182	(0.983)	2584391	427.530	428	

Data File: \\Target_server\GG\chem\gcms-f.i\F091508.b\F1737.D
Report Date: 24-Sep-2008 15:21

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	CONCENTRATIONS FINAL (ug/l)	REVIEW CODE
	25 1,1-Dichloroethane	63	5.255	5.188	(0.626)	904239	49.5388	49.5	
	26 Acrylonitrile	52	5.371	5.304	(0.640)	610448	213.970	214	
	27 Ethyl tertiary-butyl ether	59	5.742	5.687	(0.685)	1658751	46.8360	46.8	
	28 Vinyl Acetate	43	5.754	5.687	(0.624)	987721	46.8040	46.8	
	29 cis-1,2-Dichloroethene	96	6.241	6.174	(0.744)	486411	46.9648	47.0	
M	30 1,2-Dichloroethylene (total)	96				949977	94.6684	94.7	
	31 Methyl Methacrylate	41	10.222	10.202	(1.108)	390666	46.2754	46.3	
	32 2,2-Dichloropropane	77	6.462	6.383	(0.770)	832071	53.3261	53.3	
	33 Bromochloromethane	128	6.659	6.592	(0.794)	335452	53.8405	53.8	
	34 Chloroform	83	6.868	6.789	(0.819)	985813	48.6495	48.6	
	35 Carbon Tetrachloride	117	7.112	7.033	(0.771)	801486	59.3071	59.3	
	36 Tetrahydrofuran	42	7.228	7.138	(0.862)	80624	36.1293	36.1	
$	37 Dibromofluoromethane	113	7.286	7.207	(0.869)	489138	39.6447	39.6	
	38 1,1,1-Trichloroethane	97	7.274	7.196	(0.867)	850968	55.3232	55.3	
	39 1,1-Dichloropropene	75	7.564	7.497	(0.820)	638373	47.1961	47.2	
	40 2-Butanone	43	7.622	7.544	(0.909)	163407	42.9553	43.0	
	41 Benzene	78	8.098	8.042	(0.878)	1591789	46.9130	46.9	
*	42 Pentafluorobenzene	168	8.388	8.333	(1.000)	1122058	50.0000		
	43 Cyclohexane	56	6.624	6.546	(0.790)	473278	39.4506	39.4	
	44 Ethyl Methacrylate	69	11.650	11.629	(1.263)	550637	49.0809	49.1	
$	45 1,2-Dichloroethane-D4	65	8.365	8.321	(0.997)	551152	38.3982	38.4	
	46 Tertiary-amyl methyl ether	73	8.435	8.380	(1.006)	1380542	45.6286	45.6	
	47 1,2-Dichloroethane	62	8.504	8.449	(0.922)	894609	55.5091	55.5	
	48 Trichloroethene	95	9.143	9.099	(0.991)	486145	48.6056	48.6	
*	49 1,4-Difluorobenzene	114	9.224	9.192	(1.000)	1487367	50.0000		
	50 Dibromomethane	93	9.723	9.679	(1.054)	379639	55.5814	55.6	
	51 1,2-Dichloropropane	63	9.851	9.819	(1.068)	425514	45.2023	45.2	
	52 Bromodichloromethane	83	9.967	9.935	(1.081)	775542	53.0050	53.0	
	53 cis-1,3-dichloropropene	75	10.721	10.689	(1.162)	797739	49.8589	49.8	
	54 1,4-Dioxane	88	10.234	10.213	(1.109)	40745	221.042	221	
$	55 Toluene-D8	98	10.918	10.886	(1.184)	1132979	39.9798	40.0	
	56 2-Chloroethylvinylether	63	10.686	10.666	(1.159)	284678	47.4236	47.4	
	57 Toluene	92	10.965	10.944	(1.189)	921351	48.0188	48.0	
	58 4-methyl-2-pentanone	43	11.406	11.385	(1.237)	350361	44.3392	44.3	
	59 Tetrachloroethene	164	11.359	11.339	(0.895)	468314	47.0353	47.0	
	60 trans-1,3-Dichloropropene	75	11.429	11.409	(1.239)	791552	57.1960	57.2	
	61 1,1,2-Trichloroethane	83	11.592	11.571	(1.257)	348005	48.7755	48.8	
	62 Dibromochloromethane	129	11.789	11.768	(0.929)	725633	49.6789	49.7	
	63 1,3-Dichloropropane	76	11.905	11.873	(0.938)	721920	47.2899	47.3	
	64 1,2-Dibromoethane	107	12.044	12.024	(1.306)	529001	54.2769	54.3	
	65 2-Hexanone	43	12.381	12.360	(0.975)	269617	46.6884	46.7	
*	66 Chlorobenzene-D5	117	12.694	12.674	(1.000)	1302180	50.0000		
	67 Chlorobenzene	112	12.717	12.697	(1.002)	1148444	48.3465	48.3	
	152 1-Chlorohexane	91	12.717	12.697	(1.516)	485861	35.6843	35.7(R)	
	68 Ethylbenzene	106	12.775	12.743	(1.006)	541916	47.9181	47.9	
	69 1,1,1,2-Tetrachloroethane	131	12.799	12.778	(1.008)	548136	51.7941	51.8	
M	70 Xylenes (total)	106				1952236	141.538	142	
	71 m+p-Xylenes	106	12.961	12.941	(1.021)	1302695	94.3329	94.3	
	72 o-Xylene	106	13.495	13.475	(1.063)	649541	47.2054	47.2	
	73 Styrene	104	13.565	13.544	(1.069)	1220256	51.7241	51.7	
	74 Bromoform	173	13.576	13.556	(1.069)	471212	50.1087	50.1	
	75 Isopropylbenzene	105	13.913	13.892	(0.881)	1565154	49.0559	49.0	
$	76 P-Bromofluorobenzene	95	14.273	14.241	(1.547)	657646	53.1790	53.2	
	77 cis-1,4-Dichloro-2-Butene	53	14.377	14.345	(0.910)	179199	41.8130	41.8	

Data File: \\Target_server\GG\chem\gcms-f.i\F091508.b\F1737.D
Report Date: 24-Sep-2008 15:21

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	CONCENTRATIONS FINAL (ug/l)	REVIEW CODE
78 trans-1,4-Dichloro-2-Butene	53	14.795	14.774	(0.937)	175212	45.2774	45.3	
79 Bromobenzene	156	14.400	14.368	(0.912)	597691	44.6979	44.7	
80 N-Propylbenzene	91	14.458	14.438	(0.915)	1859570	45.6269	45.6	
81 1,1,2,2-Tetrachloroethane	83	14.563	14.542	(0.922)	479812	43.9581	44.0	
82 1,3,5-Trimethylbenzene	105	14.737	14.716	(0.933)	1353613	47.0350	47.0	
83 2-Chlorotoluene	91	14.656	14.635	(0.928)	1237430	45.5873	45.6	
84 1,2,3-Trichloropropane	75	14.725	14.705	(0.932)	407790	44.7072	44.7	
85 4-Chlorotoluene	91	14.876	14.856	(0.942)	1336034	47.3234	47.3	
86 tert-Butylbenzene	119	15.166	15.146	(0.960)	1297684	45.7386	45.7	
87 Pentachloroethane	117	15.178	15.157	(0.961)	307620	43.4491	43.4	
88 1,2,4-Trimethylbenzene	105	15.271	15.250	(0.967)	1409295	46.4931	46.5	
89 P-Isopropyltoluene	119	15.630	15.610	(0.990)	1302792	47.7219	47.7	
90 1,3-Dichlorobenzene	146	15.688	15.668	(0.993)	1012008	46.5722	46.6	
* 91 1,4-Dichlorobenzene-D4	152	15.793	15.773	(1.000)	782876	50.0000		
92 1,4-Dichlorobenzene	146	15.816	15.796	(1.001)	1054272	46.5777	46.6	
93 N-Butylbenzene	91	16.222	16.202	(1.027)	1008634	43.4481	43.4	
94 sec-Butylbenzene	105	15.410	15.390	(0.976)	1403775	43.5778	43.6	
95 1,2-Dichlorobenzene	146	16.408	16.388	(1.039)	944696	45.3876	45.4	
96 1,2-Dibromo-3-Chloropropane	75	17.580	17.560	(1.113)	89426	48.8160	48.8	
97 1,3,5-Trichlorobenzene	180	17.638	17.618	(1.117)	559307	43.3232	43.3	
98 Hexachlorobutadiene	225	18.578	18.558	(1.176)	242607	42.2680	42.3	
99 1,2,4-Trichlorobenzene	180	18.602	18.581	(1.178)	487714	46.5077	46.5	
100 1,2,3-Trimethylbenzene	105	15.874	15.854	(1.005)	1428957	42.2022	42.2(R)	
101 Naphthalene	128	19.089	19.069	(1.209)	806722	40.7580	40.8	
102 1,2,3-Trichlorobenzene	180	19.368	19.347	(1.226)	280869	45.0588	45.0	
103 Methyl Acetate	43	4.373	4.317	(0.521)	342948	40.8583	40.8	
104 Methylcyclohexane	83	9.096	9.053	(1.084)	392115	39.9794	40.0	
M 153 Total Alkylbenzenes	100				9635363	319.641	320	

QC Flag Legend

R - Spike/Surrogate failed recovery limits.

Data File: \\Target_server\GG\chem\gcms-f.i\F091508.b\F1737.D
Report Date: 24-Sep-2008 15:21

Katahdin Analytical Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcms-f.i
Lab File ID: F1737.D
Lab Smp Id: WG55717-1
Analysis Type: VOA
Quant Type: ISTD
Operator: TTC
Method File: \\Target_server\GG\chem\gcms-f.i\F091508.b\F826a15.m
Misc Info: SW846 8260B

Calibration Date: 15-SEP-2008
Calibration Time: 10:52
Client Smp ID: WG55717-LCS
Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 4

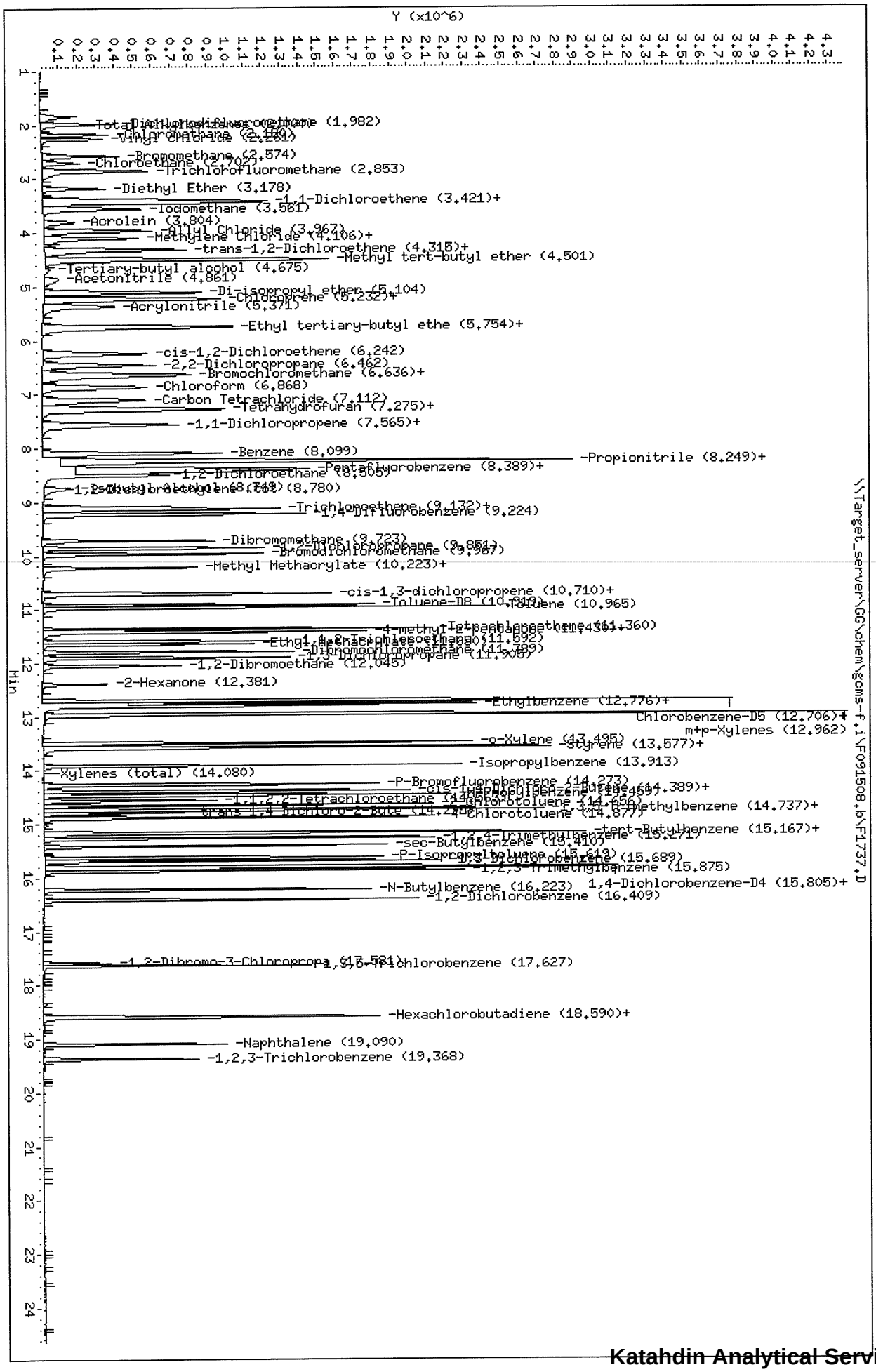
COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	1031231	515616	2062462	1122058	8.81
49 1,4-Difluorobenze	1434445	717223	2868890	1487367	3.69
66 Chlorobenzene-D5	1217306	608653	2434612	1302180	6.97
91 1,4-Dichlorobenze	736485	368243	1472970	782876	6.30

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	8.39	7.89	8.89	8.39	-0.02
49 1,4-Difluorobenze	9.23	8.73	9.73	9.22	-0.02
66 Chlorobenzene-D5	12.70	12.20	13.20	12.69	-0.02
91 1,4-Dichlorobenze	15.80	15.30	16.30	15.79	-0.01

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.

Data File: \\Target_server\GC\chem\gcms-f.i\F091508.b\F1737.D
Date : 15-SEP-2008 12:18
Client ID: WG55717-LCS
Sample Info: WG55717-1
Purge Volume: 5.0
Column phase: RTX-VMS

Instrument: gcms-f.i
Operator: TTC
Column diameter: 0.18



KATAHDIN ANALYTICAL SERVICES
LAB CONTROL SAMPLE

Client:
Project: CTO 426 NLON
PO No:
Sample Date:
Received Date:
Extraction Date:
Analysis Date: 09/12/08
Report Date: 09/25/2008
Matrix: WATER

Lab ID: WG55628-1
Client ID: WG55628-LCS
SDG: CTO426-5
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG55628
Units: ug/l

COMPOUND	LCS SPIKE	SAMPLE CONC.	LCS CONC.	%REC.	QC. LIMITS
Dichlorodifluoromethane	50	NA	56	112	40-192
Chloromethane	50	NA	49	98	47-151
Vinyl chloride	50	NA	54	108	63-141
Bromomethane	50	NA	53	106	41-169
Chloroethane	50	NA	48	96	57-145
Trichlorofluoromethane	50	NA	58	117	85-164
Diethyl Ether	50	NA	52	105	74-132
Tertiary-butyl alcohol	250	NA	297	119	30-162
1,1-Dichloroethene	50	NA	54	107	79-126
Carbon Disulfide	50	NA	57	114	72-127
Freon-113	50	NA	58	116	78-132
Iodomethane	50	NA	56	112	54-181
Acrolein	250	NA	272	109	67-125
Methylene Chloride	50	NA	48	95	70-120
Acetone	50	NA	48	97	54-134
Isobutyl Alcohol	1000	NA	1130	113	28-157
trans-1,2-Dichloroethene	50	NA	51	101	76-127
Allyl Chloride	50	NA	49	98	62-141
Methyl tert-butyl ether	100	NA	105	105	78-136
Acetonitrile	500	NA	498	100	47-143
Di-isopropyl ether	50	NA	46	93	72-129
Chloroprene	50	NA	50	99	74-132
Methacrylonitrile	500	NA	520	104	67-138
Propionitrile	500	NA	537	107	61-136
1,1-Dichloroethane	50	NA	51	103	80-126
Acrylonitrile	250	NA	269	108	63-135
Ethyl tertiary-butyl ether	50	NA	53	106	79-124
Vinyl Acetate	50	NA	46	92	68-135
cis-1,2-Dichloroethene	50	NA	50	100	80-116
1,2-Dichloroethylene (total)	100	NA	101	101	79-121
Methyl Methacrylate	50	NA	49	98	70-133
2,2-Dichloropropane	50	NA	53	106	66-150
Bromochloromethane	50	NA	56	112	90-131
Chloroform	50	NA	50	100	86-124
Carbon Tetrachloride	50	NA	53	105	73-146
Tetrahydrofuran	50	NA	48	95	66-120
1,1,1-Trichloroethane	50	NA	53	106	88-125
1,1-Dichloropropene	50	NA	50	100	84-123
2-Butanone	50	NA	49	97	59-125
Benzene	50	NA	47	95	88-115
Cyclohexane	50	NA	52	104	60-150
Ethyl Methacrylate	50	NA	51	101	76-121
Tertiary-amyl methyl ether	50	NA	51	102	80-122
1,2-Dichloroethane	50	NA	47	93	82-125
Trichloroethene	50	NA	48	96	84-115

Katahdin Analytical Services 1000258

KATAHDIN ANALYTICAL SERVICES
LAB CONTROL SAMPLE

Client:
Project: CTO 426 NLON
PO No:
Sample Date:
Received Date:
Extraction Date:
Analysis Date: 09/12/08
Report Date: 09/25/2008
Matrix: WATER

Lab ID: WG55628-1
Client ID: WG55628-LCS
SDG: CTO426-5
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG55628
Units: ug/l

COMPOUND	LCS SPIKE	SAMPLE CONC.	LCS CONC.	%REC.	QC. LIMITS
Dibromomethane	50	NA	50	101	83-121
1,2-Dichloropropane	50	NA	47	94	79-121
Bromodichloromethane	50	NA	49	97	89-113
cis-1,3-dichloropropene	50	NA	49	99	87-118
1,4-Dioxane	1000	NA	783	78	10-156
2-Chloroethylvinylether	50	NA	48	96	30-177
Toluene	50	NA	48	96	87-119
4-methyl-2-pentanone	50	NA	48	96	70-123
Tetrachloroethene	50	NA	53	107	58-147
trans-1,3-Dichloropropene	50	NA	55	109	90-137
1,1,2-Trichloroethane	50	NA	47	95	80-115
Dibromochloromethane	50	NA	52	105	84-122
1,3-Dichloropropane	50	NA	48	96	76-118
1,2-Dibromoethane	50	NA	50	100	83-116
2-Hexanone	50	NA	53	106	66-121
Chlorobenzene	50	NA	49	98	88-112
Ethylbenzene	50	NA	50	99	86-116
1,1,1,2-Tetrachloroethane	50	NA	49	99	83-118
Xylenes (total)	150	NA	154	103	84-120
m+p-Xylenes	100	NA	104	104	83-122
o-Xylene	50	NA	50	100	82-119
Styrene	50	NA	51	102	85-116
Bromoform	50	NA	53	106	78-127
Isopropylbenzene	50	NA	53	105	90-132
cis-1,4-Dichloro-2-Butene	50	NA	41	82	70-126
trans-1,4-Dichloro-2-Butene	50	NA	50	99	69-132
Bromobenzene	50	NA	48	96	87-113
N-Propylbenzene	50	NA	48	97	84-121
1,1,2,2-Tetrachloroethane	50	NA	48	96	72-119
1,3,5-Trimethylbenzene	50	NA	49	99	84-121
2-Chlorotoluene	50	NA	48	96	85-114
1,2,3-Trichloropropane	50	NA	48	96	74-114
4-Chlorotoluene	50	NA	49	98	81-120
tert-Butylbenzene	50	NA	49	97	73-132
Pentachloroethane	50	NA	48	97	32-163
1,2,4-Trimethylbenzene	50	NA	47	93	80-116
P-Isopropyltoluene	50	NA	51	102	82-125
1,3-Dichlorobenzene	50	NA	48	97	82-118
1,4-Dichlorobenzene	50	NA	50	100	83-113
N-Butylbenzene	50	NA	49	97	72-128
sec-Butylbenzene	50	NA	51	101	83-120
1,2-Dichlorobenzene	50	NA	47	95	83-116
1,2-Dibromo-3-Chloropropane	50	NA	50	101	69-121
1,3,5-Trichlorobenzene	50	NA	49	98	80-123
Hexachlorobutadiene	50	NA	45	91	61-124

KATAHDIN ANALYTICAL SERVICES
LAB CONTROL SAMPLE

Client:
Project: CTO 426 NLON
PO No:
Sample Date:
Received Date:
Extraction Date:
Analysis Date: 09/12/08
Report Date: 09/25/2008
Matrix: WATER

Lab ID: WG55628-1
Client ID: WG55628-LCS
SDG: CTO426-5
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG55628
Units: ug/l

COMPOUND	LCS SPIKE	SAMPLE CONC.	LCS CONC.	%REC.	QC. LIMITS
1,2,4-Trichlorobenzene	50	NA	48	96	71-127
1,2,3-Trimethylbenzene	50	NA	50	100	89-115
Naphthalene	50	NA	48	95	57-132
1,2,3-Trichlorobenzene	50	NA	48	96	62-124
Methyl Acetate	50	NA	52	104	62-137
Methylcyclohexane	50	NA	57	115	74-128
1-Chlorohexane	50	NA	50	100	84-118
Total Alkylbenzenes	350	NA	344	98	60-140

Data File: \\Target_server\GG\chem\gcms-s.i\S091208.b\S2851.D
Report Date: 24-Sep-2008 15:37

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gcms-s.i\S091208.b\S2851.D
Lab Smp Id: WG55628-1 Client Smp ID: WG55628-LCS
Inj Date : 12-SEP-2008 09:29 MS Autotune Date: 21-NOV-2007 15:16
Operator : SKT Inst ID: gcms-s.i
Smp Info : WG55628-1
Misc Info : SW846 8260B
Comment :
Method : \\target_server\GG\chem\gcms-s.i\S091208.b\s826a63.m
Meth Date : 22-Sep-2008 08:52 tcote Quant Type: ISTD
Cal Date : 10-SEP-2008 16:57 Cal File: S2831.D
Als bottle: 2 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.12
Processing Host: V200T3

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)	REVIEW CODE
1 Dichlorodifluoromethane	85	2.138	2.146	(0.237)	269268	56.0278	56.0	
2 Chloromethane	50	2.359	2.356	(0.262)	363502	49.0499	49.0	
3 Vinyl chloride	62	2.452	2.449	(0.272)	320046	54.2276	54.2	
4 Bromomethane	94	2.813	2.821	(0.312)	130513	53.0812	53.1	
5 Chloroethane	64	2.964	2.972	(0.329)	137855	48.1742	48.2	
6 Trichlorofluoromethane	101	3.127	3.123	(0.347)	308683	58.2846	58.3	
7 Diethyl Ether	59	3.511	3.507	(0.389)	188130	52.4498	52.4	
8 Tertiary-butyl alcohol	59	5.290	5.298	(0.586)	86984	297.351	297	
9 1,1-Dichloroethene	96	3.755	3.751	(0.416)	193492	53.4709	53.5	
10 Carbon Disulfide	76	3.790	3.786	(0.420)	716737	57.0175	57.0	
11 Freon-113	151	3.813	3.821	(0.423)	157881	57.9772	58.0	
12 Iodomethane	142	3.941	3.949	(0.437)	255729	56.1484	56.1	
13 Acrolein	56	4.243	4.240	(0.470)	219455	271.588	272	
14 Methylene Chloride	84	4.592	4.600	(0.509)	225690	47.6242	47.6	
15 Acetone	43	4.697	4.693	(0.521)	70452	48.4790	48.5	
16 Isobutyl Alcohol	43	9.337	9.333	(1.035)	182351	1132.84	1130	
17 trans-1,2-Dichloroethene	96	4.837	4.833	(0.536)	215834	50.5614	50.6	
18 Allyl Chloride	41	4.418	4.426	(0.490)	391554	48.9881	49.0	
19 Methyl tert-butyl ether	73	5.034	5.042	(0.558)	1170689	105.413	105	
20 Acetonitrile	39	5.488	5.472	(0.608)	55650	498.439	498	
21 Di-isopropyl ether	45	5.744	5.740	(0.637)	923403	46.3789	46.4	
22 Chloroprene	53	5.872	5.868	(0.651)	377615	49.5765	49.6	
23 Propionitrile	54	8.895	8.891	(0.986)	317626	537.268	537	

Data File: \\Target_server\GG\chem\gcms-s.i\S091208.b\S2851.D
Report Date: 24-Sep-2008 15:37

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	CONCENTRATIONS FINAL (ug/l)	REVIEW COD
	24 Methacrylonitrile	41	8.919	8.915	(0.988)	1677972	519.860	520	
	25 1,1-Dichloroethane	63	5.918	5.914	(0.656)	462540	51.4404	51.4	
	26 Acrylonitrile	52	6.058	6.054	(0.671)	428092	269.070	269	
	27 Ethyl tertiary-butyl ether	59	6.488	6.496	(0.719)	871323	52.9500	53.0	
	28 Vinyl Acetate	43	6.511	6.507	(0.668)	645069	46.0644	46.1	
	29 cis-1,2-Dichloroethene	96	7.093	7.089	(0.786)	255716	50.1561	50.2	
M	30 1,2-Dichloroethylene (total)	96				471550	100.717	101	
	31 Methyl Methacrylate	41	10.628	10.636	(1.091)	240895	49.0136	49.0	
	32 2,2-Dichloropropane	77	7.314	7.310	(0.811)	350742	52.9052	52.9	
	33 Bromochloromethane	128	7.523	7.519	(0.834)	135607	56.1503	56.2	
	34 Chloroform	83	7.744	7.740	(0.858)	419173	50.1257	50.1	
	35 Carbon Tetrachloride	117	7.953	7.949	(0.816)	258551	52.6567	52.6	
	36 Tetrahydrofuran	42	8.070	8.054	(0.894)	74359	47.5889	47.6	
$	37 Dibromofluoromethane	113	8.116	8.124	(0.899)	236411	46.1686	46.2	
	38 1,1,1-Trichloroethane	97	8.104	8.101	(0.898)	319573	52.9849	53.0	
	39 1,1-Dichloropropene	75	8.360	8.356	(0.858)	331689	50.2150	50.2	
	40 2-Butanone	43	8.418	8.403	(0.933)	123624	48.6329	48.6	
	41 Benzene	78	8.791	8.787	(0.902)	905221	47.3647	47.4	
*	42 Pentafluorobenzene	168	9.023	9.019	(1.000)	458553	50.0000		
	43 Cyclohexane	56	7.476	7.484	(0.829)	359033	51.9536	52.0	
	44 Ethyl Methacrylate	69	12.059	12.055	(1.237)	288048	50.7230	50.7	
$	45 1,2-Dichloroethane-D4	65	9.023	9.019	(1.000)	234266	42.1331	42.1	
	46 Tertiary-amyl methyl ether	73	9.058	9.054	(1.004)	642514	51.0725	51.1	
	47 1,2-Dichloroethane	62	9.128	9.124	(0.937)	323072	46.6974	46.7	
	48 Trichloroethene	95	9.675	9.671	(0.993)	231978	48.0441	48.0	
*	49 1,4-Difluorobenzene	114	9.744	9.740	(1.000)	761006	50.0000		
	50 Dibromomethane	93	10.198	10.194	(1.047)	160192	50.4195	50.4	
	51 1,2-Dichloropropane	63	10.314	10.310	(1.058)	251663	47.0336	47.0	
	52 Bromodichloromethane	83	10.419	10.415	(1.069)	320249	48.5563	48.6	
	53 cis-1,3-dichloropropene	75	11.105	11.101	(1.140)	391148	49.3600	49.4	
	54 1,4-Dioxane	88	10.663	10.659	(1.094)	35163	783.161	783	
$	55 Toluene-D8	98	11.303	11.299	(1.160)	685888	43.4788	43.5	
	56 2-Chloroethylvinylether	63	11.058	11.066	(1.135)	76951	48.1843	48.2	
	57 Toluene	92	11.349	11.357	(1.165)	523749	47.9141	47.9	
	58 4-methyl-2-pentanone	43	11.814	11.811	(1.212)	245006	47.9494	47.9	
	59 Tetrachloroethene	164	11.780	11.776	(0.895)	180387	53.2796	53.3	
	60 trans-1,3-Dichloropropene	75	11.849	11.845	(1.216)	357917	54.6588	54.6	
	61 1,1,2-Trichloroethane	83	12.035	12.032	(1.235)	169254	47.4118	47.4	
	62 Dibromochloromethane	129	12.245	12.241	(0.930)	258612	52.4270	52.4	
	63 1,3-Dichloropropane	76	12.361	12.357	(0.939)	344720	47.9416	47.9	
	64 1,2-Dibromoethane	107	12.524	12.520	(1.285)	226585	49.7596	49.8	
	65 2-Hexanone	43	12.838	12.834	(0.975)	187239	52.9082	52.9	
*	66 Chlorobenzene-D5	117	13.163	13.160	(1.000)	608757	50.0000		
	67 Chlorobenzene	112	13.187	13.183	(1.002)	551716	49.0235	49.0	
	152 1-Chlorohexane	91	13.175	13.171	(1.460)	288243	50.1079	50.1	
	68 Ethylbenzene	106	13.233	13.229	(1.005)	290402	49.7458	49.7	
	69 1,1,1,2-Tetrachloroethane	131	13.280	13.276	(1.009)	208672	49.3370	49.3	
M	70 Xylenes (total)	106				1105184	154.013	154	
	71 m+p-Xylenes	106	13.419	13.415	(1.019)	740510	103.969	104	
	72 o-Xylene	106	13.966	13.974	(1.061)	364674	50.0442	50.0	
	73 Styrene	104	14.036	14.044	(1.066)	627900	50.9744	51.0	
	74 Bromoform	173	14.071	14.067	(1.069)	164072	53.0379	53.0	
	75 Isopropylbenzene	105	14.385	14.381	(0.883)	849646	52.7369	52.7	
$	76 P-Bromofluorobenzene	95	14.757	14.753	(1.514)	274091	42.7024	42.7	

Data File: \\Target_server\GG\chem\gcms-s.i\S091208.b\S2851.D
Report Date: 24-Sep-2008 15:37

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	CONCENTRATIONS FINAL (ug/l)	REVIEW CODE
	77 cis-1,4-Dichloro-2-Butene	53	14.850	14.858	(0.911)	63465	41.1999	41.2	
	78 trans-1,4-Dichloro-2-Butene	53	15.280	15.288	(0.938)	72387	49.5832	49.6	
	79 Bromobenzene	156	14.896	14.892	(0.914)	247070	47.8674	47.9	
	80 N-Propylbenzene	91	14.931	14.939	(0.916)	1047831	48.5479	48.5	
	81 1,1,2,2-Tetrachloroethane	83	15.047	15.044	(0.924)	257683	48.1735	48.2	
	82 1,3,5-Trimethylbenzene	105	15.210	15.206	(0.934)	697211	49.2836	49.3	
	83 2-Chlorotoluene	91	15.141	15.137	(0.929)	664342	48.2594	48.2	
	84 1,2,3-Trichloropropane	75	15.222	15.218	(0.934)	193963	47.9260	47.9	
	85 4-Chlorotoluene	91	15.373	15.369	(0.944)	707434	49.1871	49.2	
	86 tert-Butylbenzene	119	15.641	15.637	(0.960)	692528	48.7376	48.7	
	87 Pentachloroethane	117	15.675	15.672	(0.962)	172249	48.5298	48.5	
	88 1,2,4-Trimethylbenzene	105	15.745	15.741	(0.966)	703806	46.7450	46.7	
	89 P-Isopropyltoluene	119	16.094	16.102	(0.988)	687790	50.9240	50.9	
	90 1,3-Dichlorobenzene	146	16.187	16.183	(0.994)	438049	48.3961	48.4	
*	91 1,4-Dichlorobenzene-D4	152	16.292	16.300	(1.000)	312228	50.0000		
	92 1,4-Dichlorobenzene	146	16.315	16.323	(1.001)	449203	50.1632	50.2	
	93 N-Butylbenzene	91	16.699	16.695	(1.025)	607022	48.6249	48.6	
	94 sec-Butylbenzene	105	15.885	15.893	(0.975)	857945	50.6537	50.6	
	95 1,2-Dichlorobenzene	146	16.920	16.916	(1.039)	412983	47.4264	47.4	
	96 1,2-Dibromo-3-Chloropropane	75	18.094	18.091	(1.111)	48171	50.4157	50.4	
	97 1,3,5-Trichlorobenzene	180	18.141	18.137	(1.113)	281341	48.9452	48.9	
	98 Hexachlorobutadiene	225	19.083	19.079	(1.171)	96815	45.4225	45.4	
	99 1,2,4-Trichlorobenzene	180	19.118	19.114	(1.173)	262261	48.0785	48.1	
	100 1,2,3-Trimethylbenzene	105	16.350	16.358	(1.004)	744922	49.9447	49.9	
	101 Naphthalene	128	19.606	19.603	(1.203)	581518	47.5970	47.6	
	102 1,2,3-Trichlorobenzene	180	19.897	19.893	(1.221)	243905	47.9055	47.9	
	103 Methyl Acetate	43	4.895	4.891	(0.542)	204807	51.8945	51.9	
	104 Methylcyclohexane	83	9.628	9.636	(1.067)	306099	57.3158	57.3	
M	153 Total Alkylbenzenes	100				5294133	343.517	344	

Data File: \\Target_server\GG\chem\gcms-s.i\S091208.b\S2851.D
Report Date: 24-Sep-2008 15:37

Katahdin Analytical Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcms-s.i
Lab File ID: S2851.D
Lab Smp Id: WG55628-1
Analysis Type: VOA
Quant Type: ISTD
Operator: SKT
Method File: \\target_server\GG\chem\gcms-s.i\S091208.b\s826a63.m
Misc Info: SW846 8260B

Calibration Date: 12-SEP-2008
Calibration Time: 08:47
Client Smp ID: WG55628-LCS
Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 4

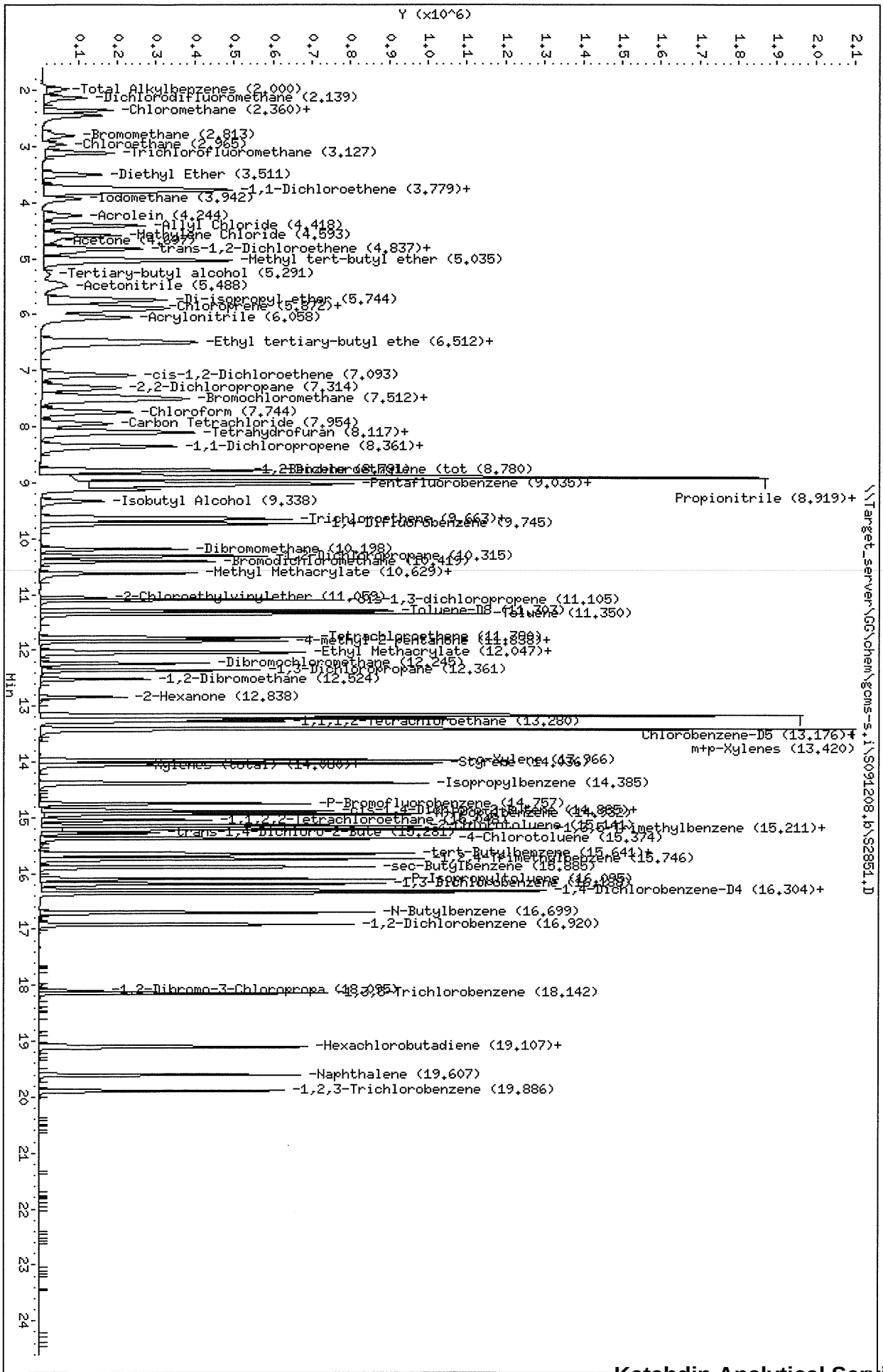
COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	474520	237260	949040	458553	-3.36
49 1,4-Difluorobenze	732237	366119	1464474	761006	3.93
66 Chlorobenzene-D5	618564	309282	1237128	608757	-1.59
91 1,4-Dichlorobenze	311384	155692	622768	312228	0.27

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	9.01	8.51	9.51	9.02	0.13
49 1,4-Difluorobenze	9.74	9.24	10.24	9.74	0.00
66 Chlorobenzene-D5	13.16	12.66	13.66	13.16	0.00
91 1,4-Dichlorobenze	16.29	15.79	16.79	16.29	0.00

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.

Data File: \\Target_server\GC\chem\gcms-s.i\S091208.b\S2851.D
Date : 12-SEP-2008 09:29
Client ID: WG55628-LCS
Sample Info: WG55628-1
Purge Volume: 5.0
Column phase: RTX-VMS

Instrument: gcms-s.i
Operator: SKT
Column diameter: 0.18



KATAHDIN ANALYTICAL SERVICES
LAB CONTROL SAMPLE

Client:
Project: CTO 426 NLON
PO No:
Sample Date:
Received Date:
Extraction Date:
Analysis Date: 09/16/08
Report Date: 09/25/2008
Matrix: WATER

Lab ID: WG55748-1
Client ID: WG55748-LCS
SDG: CTO426-5
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG55748
Units: ug/l

COMPOUND	LCS SPIKE	SAMPLE CONC.	LCS CONC.	%REC.	QC. LIMITS
Dichlorodifluoromethane	50	NA	47	93	40-192
Chloromethane	50	NA	43	85	47-151
Vinyl chloride	50	NA	48	95	63-141
Bromomethane	50	NA	56	113	41-169
Chloroethane	50	NA	45	90	57-145
Trichlorofluoromethane	50	NA	51	102	85-164
Diethyl Ether	50	NA	48	96	74-132
Tertiary-butyl alcohol	250	NA	275	110	30-162
1,1-Dichloroethene	50	NA	49	97	79-126
Carbon Disulfide	50	NA	52	105	72-127
Freon-113	50	NA	48	96	78-132
Iodomethane	50	NA	52	104	54-181
Acrolein	250	NA	242	97	67-125
Methylene Chloride	50	NA	47	93	70-120
Acetone	50	NA	56	111	54-134
Isobutyl Alcohol	1000	NA	1010	101	28-157
trans-1,2-Dichloroethene	50	NA	48	97	76-127
Allyl Chloride	50	NA	43	86	62-141
Methyl tert-butyl ether	100	NA	102	102	78-136
Acetonitrile	500	NA	436	87	47-143
Di-isopropyl ether	50	NA	42	84	72-129
Chloroprene	50	NA	41	82	74-132
Methacrylonitrile	500	NA	481	96	67-138
Propionitrile	500	NA	498	100	61-136
1,1-Dichloroethane	50	NA	45	89	80-126
Acrylonitrile	250	NA	226	90	63-135
Ethyl tertiary-butyl ether	50	NA	45	90	79-124
Vinyl Acetate	50	NA	43	87	68-135
cis-1,2-Dichloroethene	50	NA	47	95	80-116
1,2-Dichloroethylene (total)	100	NA	96	96	79-121
Methyl Methacrylate	50	NA	49	98	70-133
2,2-Dichloropropane	50	NA	48	97	66-150
Bromochloromethane	50	NA	53	106	90-131
Chloroform	50	NA	46	91	86-124
Carbon Tetrachloride	50	NA	52	103	73-146
Tetrahydrofuran	50	NA	45	90	66-120
1,1,1-Trichloroethane	50	NA	49	98	88-125
1,1-Dichloropropene	50	NA	50	99	84-123
2-Butanone	50	NA	50	101	59-125
Benzene	50	NA	49	98	88-115
Cyclohexane	50	NA	44	88	60-150
Ethyl Methacrylate	50	NA	52	104	76-121
Tertiary-amyl methyl ether	50	NA	48	95	80-122
1,2-Dichloroethane	50	NA	48	95	82-125
Trichloroethene	50	NA	46	93	84-115

Katahdin Analytical Services 1000266

KATAHDIN ANALYTICAL SERVICES
LAB CONTROL SAMPLE

Client:
Project: CTO 426 NLON
PO No:
Sample Date:
Received Date:
Extraction Date:
Analysis Date: 09/16/08
Report Date: 09/25/2008
Matrix: WATER

Lab ID: WG55748-1
Client ID: WG55748-LCS
SDG: CTO426-5
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG55748
Units: ug/l

COMPOUND	LCS SPIKE	SAMPLE CONC.	LCS CONC.	%REC.	QC. LIMITS
Dibromomethane	50	NA	51	102	83-121
1,2-Dichloropropane	50	NA	46	93	79-121
Bromodichloromethane	50	NA	48	95	89-113
cis-1,3-dichloropropene	50	NA	49	99	87-118
1,4-Dioxane	1000	NA	810	81	10-156
2-Chloroethylvinylether	50	NA	51	102	30-177
Toluene	50	NA	49	98	87-119
4-methyl-2-pentanone	50	NA	51	101	70-123
Tetrachloroethene	50	NA	48	96	58-147
trans-1,3-Dichloropropene	50	NA	55	109	90-137
1,1,2-Trichloroethane	50	NA	49	97	80-115
Dibromochloromethane	50	NA	48	97	84-122
1,3-Dichloropropane	50	NA	45	89	76-118
1,2-Dibromoethane	50	NA	52	104	83-116
2-Hexanone	50	NA	51	101	66-121
Chlorobenzene	50	NA	47	93	88-112
Ethylbenzene	50	NA	46	93	86-116
1,1,1,2-Tetrachloroethane	50	NA	47	94	83-118
Xylenes (total)	150	NA	139	93	84-120
m+p-Xylenes	100	NA	94	94	83-122
o-Xylene	50	NA	45	90	82-119
Styrene	50	NA	46	93	85-116
Bromoform	50	NA	49	97	78-127
Isopropylbenzene	50	NA	49	98	90-132
cis-1,4-Dichloro-2-Butene	50	NA	39	77	70-126
trans-1,4-Dichloro-2-Butene	50	NA	47	94	69-132
Bromobenzene	50	NA	46	91	87-113
N-Propylbenzene	50	NA	44	89	84-121
1,1,2,2-Tetrachloroethane	50	NA	46	93	72-119
1,3,5-Trimethylbenzene	50	NA	45	90	84-121
2-Chlorotoluene	50	NA	44	88	85-114
1,2,3-Trichloropropane	50	NA	47	93	74-114
4-Chlorotoluene	50	NA	43	86	81-120
tert-Butylbenzene	50	NA	44	87	73-132
Pentachloroethane	50	NA	44	88	32-163
1,2,4-Trimethylbenzene	50	NA	44	88	80-116
P-Isopropyltoluene	50	NA	46	93	82-125
1,3-Dichlorobenzene	50	NA	45	89	82-118
1,4-Dichlorobenzene	50	NA	46	91	83-113
N-Butylbenzene	50	NA	43	86	72-128
sec-Butylbenzene	50	NA	43	86	83-120
1,2-Dichlorobenzene	50	NA	46	92	83-116
1,2-Dibromo-3-Chloropropane	50	NA	47	94	69-121
1,3,5-Trichlorobenzene	50	NA	42	83	80-123
Hexachlorobutadiene	50	NA	40	80	61-124

KATAHDIN ANALYTICAL SERVICES
LAB CONTROL SAMPLE

Client:
Project: CTO 426 NLON
PO No:
Sample Date:
Received Date:
Extraction Date:
Analysis Date: 09/16/08
Report Date: 09/25/2008
Matrix: WATER

Lab ID: WG55748-1
Client ID: WG55748-LCS
SDG: CTO426-5
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG55748
Units: ug/l

COMPOUND	LCS SPIKE	SAMPLE CONC.	LCS CONC.		%REC.	QC. LIMITS
1,2,4-Trichlorobenzene	50	NA	44		88	71-127
1,2,3-Trimethylbenzene	50	NA	43	*	86	89-115
Naphthalene	50	NA	44		87	57-132
1,2,3-Trichlorobenzene	50	NA	41		82	62-124
Methyl Acetate	50	NA	51		101	62-137
Methylcyclohexane	50	NA	44		87	74-128
1-Chlorohexane	50	NA	48		96	84-118
Total Alkylbenzenes	350	NA	309		88	60-140

Katahdin Analytical Services 1000268

Data File: \\Target_server\GG\chem\gcms-s.i\S091608.b\S2926.D
Report Date: 25-Sep-2008 08:05

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gcms-s.i\S091608.b\S2926.D
Lab Smp Id: WG55748-1 Client Smp ID: WG55748-LCS
Inj Date : 16-SEP-2008 10:30 MS Autotune Date: 21-NOV-2007 15:16
Operator : SKT Inst ID: gcms-s.i
Smp Info : WG55748-1
Misc Info : SW846 8260B
Comment :
Method : \\Target_server\GG\chem\gcms-s.i\S091608.b\s826a63.m
Meth Date : 17-Sep-2008 13:28 sthompson Quant Type: ISTD
Cal Date : 10-SEP-2008 16:57 Cal File: S2831.D
Als bottle: 2 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.12
Processing Host: MIS_2

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	sample purged
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	CONCENTRATIONS FINAL (ug/l)	REVIEW CODE
1 Dichlorodifluoromethane	85	2.139	2.146	(0.237)	229926	46.5982	46.6	
2 Chloromethane	50	2.360	2.356	(0.262)	324934	42.7060	42.7	
3 Vinyl chloride	62	2.453	2.449	(0.272)	288129	47.5507	47.6	
4 Bromomethane	94	2.814	2.821	(0.312)	142245	56.3490	56.3	
5 Chloroethane	64	2.965	2.972	(0.329)	131787	44.8566	44.8	
6 Trichlorofluoromethane	101	3.116	3.123	(0.346)	278215	51.1663	51.2	
7 Diethyl Ether	59	3.511	3.507	(0.390)	177260	48.1347	48.1	
8 Tertiary-butyl alcohol	59	5.279	5.298	(0.586)	82578	274.952	275	
9 1,1-Dichloroethene	96	3.756	3.751	(0.417)	180806	48.6665	48.7	
10 Carbon Disulfide	76	3.779	3.786	(0.419)	674588	52.2696	52.3	
11 Freon-113	151	3.814	3.821	(0.423)	133703	47.8223	47.8	
12 Iodomethane	142	3.942	3.949	(0.437)	243553	52.0851	52.1	
13 Acrolein	56	4.233	4.240	(0.470)	200557	241.750	242	
14 Methylene Chloride	84	4.593	4.600	(0.510)	227014	46.6677	46.7	
15 Acetone	43	4.698	4.693	(0.521)	82994	55.6249	55.6	
16 Isobutyl Alcohol	43	9.326	9.333	(1.035)	166528	1007.65	1010	
17 trans-1,2-Dichloroethene	96	4.837	4.833	(0.537)	212029	48.3790	48.4	
18 Allyl Chloride	41	4.419	4.426	(0.490)	354614	43.2133	43.2	
19 Methyl tert-butyl ether	73	5.035	5.042	(0.559)	1168239	102.458	102	
20 Acetonitrile	39	5.477	5.472	(0.608)	49946	435.723	436	
21 Di-isopropyl ether	45	5.744	5.740	(0.637)	859669	42.0555	42.0	
22 Chloroprene	53	5.872	5.868	(0.652)	318677	40.7511	40.8	
23 Propionitrile	54	8.896	8.891	(0.987)	302249	497.969	498	

Data File: \\Target_server\GG\chem\gcms-s.i\S091608.b\S2926.D
Report Date: 25-Sep-2008 08:05

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	CONCENTRATIONS FINAL (ug/l)	REVIEW CODE
	24 Methacrylonitrile	41	8.908	8.915	(0.988)	1592952	480.692	481	
	25 1,1-Dichloroethane	63	5.919	5.914	(0.657)	412451	44.6776	44.7	
	26 Acrylonitrile	52	6.058	6.054	(0.672)	368369	225.514	226	
	27 Ethyl tertiary-butyl ether	59	6.489	6.496	(0.720)	760396	45.0079	45.0(M)	M1
	28 Vinyl Acetate	43	6.512	6.507	(0.668)	581876	43.3754	43.4(M)	M1
	29 cis-1,2-Dichloroethene	96	7.082	7.089	(0.786)	247718	47.3244	47.3	
M	30 1,2-Dichloroethylene (total)	96				459747	95.7034	95.7	SKJ 092508
	31 Methyl Methacrylate	41	10.629	10.636	(1.091)	231783	49.2294	49.2	
	32 2,2-Dichloropropane	77	7.303	7.310	(0.810)	329216	48.3676	48.4	
	33 Bromochloromethane	128	7.524	7.519	(0.835)	131157	52.8961	52.9	
	34 Chloroform	83	7.745	7.740	(0.859)	391905	45.6468	45.6	
	35 Carbon Tetrachloride	117	7.954	7.949	(0.816)	242989	51.6592	51.6	
	36 Tetrahydrofuran	42	8.070	8.054	(0.895)	72541	45.2187	45.2	
$	37 Dibromofluoromethane	113	8.117	8.124	(0.901)	233429	44.4014	44.4	
	38 1,1,1-Trichloroethane	97	8.105	8.101	(0.899)	304853	49.2306	49.2	
	39 1,1-Dichloropropene	75	8.361	8.356	(0.858)	313638	49.5661	49.6	
	40 2-Butanone	43	8.408	8.403	(0.933)	131677	50.4545	50.4	
	41 Benzene	78	8.791	8.787	(0.902)	892980	48.7748	48.8	
*	42 Pentafluorobenzene	168	9.012	9.019	(1.000)	470790	50.0000		
	43 Cyclohexane	56	7.477	7.484	(0.830)	312582	44.0563	44.0	
	44 Ethyl Methacrylate	69	12.059	12.055	(1.237)	283548	52.1220	52.1	
$	45 1,2-Dichloroethane-D4	65	9.024	9.019	(1.001)	233969	40.9859	41.0	
	46 Tertiary-amyl methyl ether	73	9.059	9.054	(1.005)	615583	47.6599	47.6	
	47 1,2-Dichloroethane	62	9.129	9.124	(0.937)	315343	47.5806	47.6	
	48 Trichloroethene	95	9.664	9.671	(0.992)	215019	46.4862	46.5	
*	49 1,4-Difluorobenzene	114	9.745	9.740	(1.000)	729011	50.0000		
	50 Dibromomethane	93	10.199	10.194	(1.047)	155939	51.2350	51.2	
	51 1,2-Dichloropropane	63	10.315	10.310	(1.058)	237904	46.4135	46.4	
	52 Bromodichloromethane	83	10.408	10.415	(1.068)	301164	47.6667	47.7	
	53 cis-1,3-dichloropropene	75	11.106	11.101	(1.140)	374087	49.2789	49.3	
	54 1,4-Dioxane	88	10.664	10.659	(1.094)	34849	810.232	810	
$	55 Toluene-D8	98	11.292	11.299	(1.159)	675316	44.6875	44.7	
	56 2-Chloroethylvinylether	63	11.059	11.066	(1.135)	78094	51.0461	51.0	
	57 Toluene	92	11.350	11.357	(1.165)	514119	49.0973	49.1	
	58 4-methyl-2-pentanone	43	11.815	11.811	(1.212)	247675	50.5991	50.6	
	59 Tetrachloroethene	164	11.780	11.776	(0.895)	170683	47.7796	47.8	
	60 trans-1,3-Dichloropropene	75	11.838	11.845	(1.215)	343068	54.6905	54.7	
	61 1,1,2-Trichloroethane	83	12.036	12.032	(1.235)	166583	48.7116	48.7	
	62 Dibromochloromethane	129	12.245	12.241	(0.930)	251497	48.3210	48.3	
	63 1,3-Dichloropropane	76	12.362	12.357	(0.939)	338545	44.6230	44.6	
	64 1,2-Dibromoethane	107	12.525	12.520	(1.285)	226994	52.0372	52.0	
	65 2-Hexanone	43	12.839	12.834	(0.975)	188954	50.6033	50.6	
*	66 Chlorobenzene-D5	117	13.164	13.160	(1.000)	642314	50.0000		
	67 Chlorobenzene	112	13.187	13.183	(1.002)	554891	46.7297	46.7	
	152 1-Chlorohexane	91	13.176	13.171	(1.462)	284326	48.1423	48.1	
	68 Ethylbenzene	106	13.234	13.229	(1.005)	285073	46.2817	46.3	
	69 1,1,1,2-Tetrachloroethane	131	13.281	13.276	(1.009)	209016	46.8365	46.8	
M	70 Xylenes (total)	106				1054192	139.236	139	
	71 m+p-Xylenes	106	13.420	13.415	(1.019)	707578	94.1549	94.2	
	72 o-Xylene	106	13.967	13.974	(1.061)	346614	45.0808	45.1	
	73 Styrene	104	14.036	14.044	(1.066)	603508	46.4345	46.4	
	74 Bromoform	173	14.071	14.067	(1.069)	159032	48.7228	48.7	
	75 Isopropylbenzene	105	14.385	14.381	(0.883)	816003	48.8651	48.9	
$	76 P-Bromofluorobenzene	95	14.758	14.753	(1.514)	265686	43.2096	43.2	

Data File: \\Target_server\GG\chem\gcms-s.i\S091608.b\S2926.D
Report Date: 25-Sep-2008 08:05

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	CONCENTRATIONS FINAL (ug/l)	REVIEW CODE
	77 cis-1,4-Dichloro-2-Butene	53	14.851	14.858	(0.911)	61449	38.6400	38.6	
	78 trans-1,4-Dichloro-2-Butene	53	15.281	15.288	(0.938)	70812	46.7963	46.8	
	79 Bromobenzene	156	14.885	14.892	(0.914)	243726	45.5567	45.6	
	80 N-Propylbenzene	91	14.932	14.939	(0.916)	991282	44.3105	44.3	
	81 1,1,2,2-Tetrachloroethane	83	15.048	15.044	(0.924)	257935	46.5226	46.5	
	82 1,3,5-Trimethylbenzene	105	15.211	15.206	(0.934)	657050	44.8092	44.8	
	83 2-Chlorotoluene	91	15.141	15.137	(0.929)	625011	43.8035	43.8	
	84 1,2,3-Trichloropropane	75	15.223	15.218	(0.934)	195778	46.6710	46.7	
	85 4-Chlorotoluene	91	15.374	15.369	(0.944)	637609	42.7711	42.8	
	86 tert-Butylbenzene	119	15.641	15.637	(0.960)	643149	43.6687	43.7	
	87 Pentachloroethane	117	15.665	15.672	(0.961)	161240	43.8284	43.8	
	88 1,2,4-Trimethylbenzene	105	15.746	15.741	(0.966)	688211	44.0996	44.1	
	89 P-Isopropyltoluene	119	16.095	16.102	(0.988)	650762	46.4858	46.5	
	90 1,3-Dichlorobenzene	146	16.188	16.183	(0.994)	418291	44.5859	44.6	
*	91 1,4-Dichlorobenzene-D4	152	16.293	16.300	(1.000)	323624	50.0000		
	92 1,4-Dichlorobenzene	146	16.316	16.323	(1.001)	422478	45.5175	45.5	
	93 N-Butylbenzene	91	16.700	16.695	(1.025)	555317	42.9167	42.9	
	94 sec-Butylbenzene	105	15.886	15.893	(0.975)	755702	43.0461	43.0	
	95 1,2-Dichlorobenzene	146	16.921	16.916	(1.039)	414026	45.8719	45.9	
	96 1,2-Dibromo-3-Chloropropane	75	18.095	18.091	(1.111)	46675	47.1298	47.1	
	97 1,3,5-Trichlorobenzene	180	18.142	18.137	(1.113)	248652	41.7349	41.7	
	98 Hexachlorobutadiene	225	19.084	19.079	(1.171)	88211	39.9284	39.9	
	99 1,2,4-Trichlorobenzene	180	19.119	19.114	(1.173)	247636	43.7988	43.8	
	100 1,2,3-Trimethylbenzene	105	16.351	16.358	(1.004)	667765	43.1950	43.2(R)	
	101 Naphthalene	128	19.607	19.603	(1.203)	551934	43.5848	43.6	
	102 1,2,3-Trichlorobenzene	180	19.886	19.893	(1.221)	215910	40.9136	40.9	
	103 Methyl Acetate	43	4.895	4.891	(0.543)	204916	50.5726	50.6	
	104 Methylcyclohexane	83	9.629	9.636	(1.068)	238728	43.5390	43.5	
M	153 Total Alkylbenzenes	100				4941473	309.337	309	

QC Flag Legend

R - Spike/Surrogate failed recovery limits.
M - Compound response manually integrated.

Data File: \\Target_server\GG\chem\gcms-s.i\S091608.b\S2926.D
Report Date: 25-Sep-2008 08:05

Katahdin Analytical Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcms-s.i
Lab File ID: S2926.D
Lab Smp Id: WG55748-1
Analysis Type: VOA
Quant Type: ISTD
Operator: SKT
Method File: \\Target_server\GG\chem\gcms-s.i\S091608.b\s826a63.m
Misc Info: SW846 8260B

Calibration Date: 16-SEP-2008
Calibration Time: 09:48
Client Smp ID: WG55748-LCS
Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 4

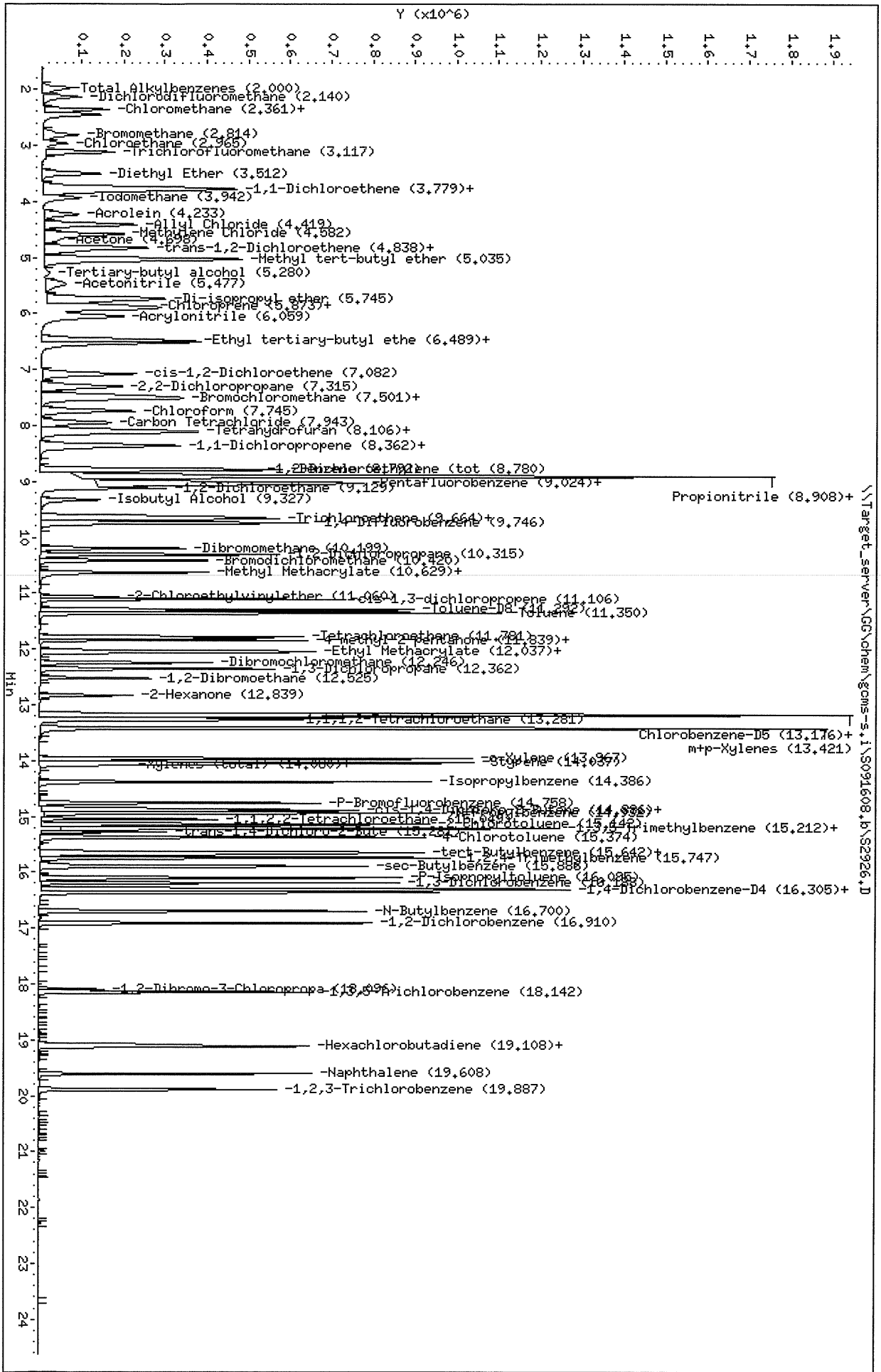
COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	467124	233562	934248	470790	0.78
49 1,4-Difluorobenze	723542	361771	1447084	729011	0.76
66 Chlorobenzene-D5	631581	315791	1263162	642314	1.70
91 1,4-Dichlorobenze	312865	156433	625730	323624	3.44

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	9.01	8.51	9.51	9.01	0.02
49 1,4-Difluorobenze	9.74	9.24	10.24	9.75	0.02
66 Chlorobenzene-D5	13.16	12.66	13.66	13.16	0.01
91 1,4-Dichlorobenze	16.29	15.79	16.79	16.29	0.01

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.

Data File: \\Target_server\GC\chem\gcms-s.i\S091608.b\S2926.D
Date : 16-SEP-2008 10:30
Client ID: WG55748-LCS
Sample Info: WG55748-1
Purge Volume: 5.0
Column phase: RTX-VMS

Instrument: gcms-s.i
Operator: SKT
Column diameter: 0.18



KATAHDIN ANALYTICAL SERVICES
MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 09/09/08
Received Date: 09/11/08
Extraction Date:
Analysis Date: 09/12/08
Report Date: 09/25/2008
Matrix: WATER

Lab ID: WG55628-3 & WG55628-4
Client ID: D-GW-MW14-090908MS & D-GW-MW14-090908MSD
SDG: CTO426-5
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG55628
Units: ug/l

COMPOUND	MS SPIKE	MSD SPIKE	SAMPLE CONC.	MS CONC.	MSD CONC.	MS %REC.	MSD %REC.	%RPD	%RPD LIMIT	QC. LIMITS
Methyl tert-butyl ether	100	100	0.00	120	118	120	118	2	20	78-136
Benzene	50	50	0.00	51	54	102	108	6	20	88-115
Toluene	50	50	0.00	52	55	104	111	6	20	87-119
Ethylbenzene	50	50	0.00	51	53	102	107	5	20	86-116
Xylenes (total)	150	150	0.00	146	158	97	105	8	20	84-120
m+p-Xylenes	100	100	0.00	97	106	97	106	8	20	83-122
o-Xylene	50	50	0.00	49	51	98	102	5	20	82-119
Isopropylbenzene	50	50	1.5	54	60	106	118	10	20	90-132
Naphthalene	50	50	0.00	47	48	94	96	2	20	57-132

FORM III VOA-1

S2868.D & S2869.D

Data File: \\Target_server\GG\chem\gcms-s.i\S091208.b\S2868.D
Report Date: 24-Sep-2008 15:38

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gcms-s.i\S091208.b\S2868.D
Lab Smp Id: WG55628-3 Client Smp ID: D-GW-MW14-090908MS
Inj Date : 12-SEP-2008 18:41 MS Autotune Date: 21-NOV-2007 15:16
Operator : SKT Inst ID: gcms-s.i
Smp Info : WG55628-3
Misc Info : SW846 8260B
Comment :
Method : \\Target_server\GG\chem\gcms-s.i\S091208.b\s826a63.m
Meth Date : 22-Sep-2008 08:52 tcote Quant Type: ISTD
Cal Date : 10-SEP-2008 16:57 Cal File: S2831.D
Als bottle: 19 QC Sample: MS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TETRAT426001.sub
Target Version: 4.12
Processing Host: MIS_2

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)	REVIEW CODE
19 Methyl tert-butyl ether	73	5.054	5.042	(0.560)	1301134	120.226	120	
41 Benzene	78	8.798	8.787	(0.902)	911448	51.1012	51.1	
57 Toluene	92	11.357	11.357	(1.165)	533082	52.2556	52.2	
68 Ethylbenzene	106	13.229	13.229	(1.004)	300891	50.8384	50.8	
M 70 Xylenes (total)	106				1064276	146.257	146	
71 m+p-Xylenes	106	13.427	13.415	(1.019)	703572	97.4333	97.4	
72 o-Xylene	106	13.974	13.974	(1.061)	360704	48.8233	48.8	
75 Isopropylbenzene	105	14.392	14.381	(0.883)	861830	54.4932	54.5	
101 Naphthalene	128	19.614	19.603	(1.203)	563761	47.0063	47.0	
$ 37 Dibromofluoromethane	113	8.124	8.124	(0.900)	224456	44.9814	45.0	
$ 45 1,2-Dichloroethane-D4	65	9.031	9.019	(1.000)	227314	41.9529	42.0	
$ 55 Toluene-D8	98	11.299	11.299	(1.159)	664290	45.1213	45.1	
$ 76 P-Bromofluorobenzene	95	14.765	14.753	(1.514)	254872	42.5480	42.5	
* 42 Pentafluorobenzene	168	9.031	9.019	(1.000)	446856	50.0000		
* 49 1,4-Difluorobenzene	114	9.752	9.740	(1.000)	710214	50.0000		
* 66 Chlorobenzene-D5	117	13.171	13.160	(1.000)	617188	50.0000		
* 91 1,4-Dichlorobenzene-D4	152	16.300	16.300	(1.000)	306498	50.0000		

Data File: \\Target_server\GG\chem\gcms-s.i\S091208.b\S2868.D
Report Date: 24-Sep-2008 15:38

Katahdin Analytical Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcms-s.i
Lab File ID: S2868.D
Lab Smp Id: WG55628-3
Analysis Type: VOA
Quant Type: ISTD
Operator: SKT
Method File: \\Target_server\GG\chem\gcms-s.i\S091208.b\s826a63.m
Misc Info: SW846 8260B

Calibration Date: 12-SEP-2008
Calibration Time: 08:47
Client Smp ID: D-GW-MW14-09090
Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 4

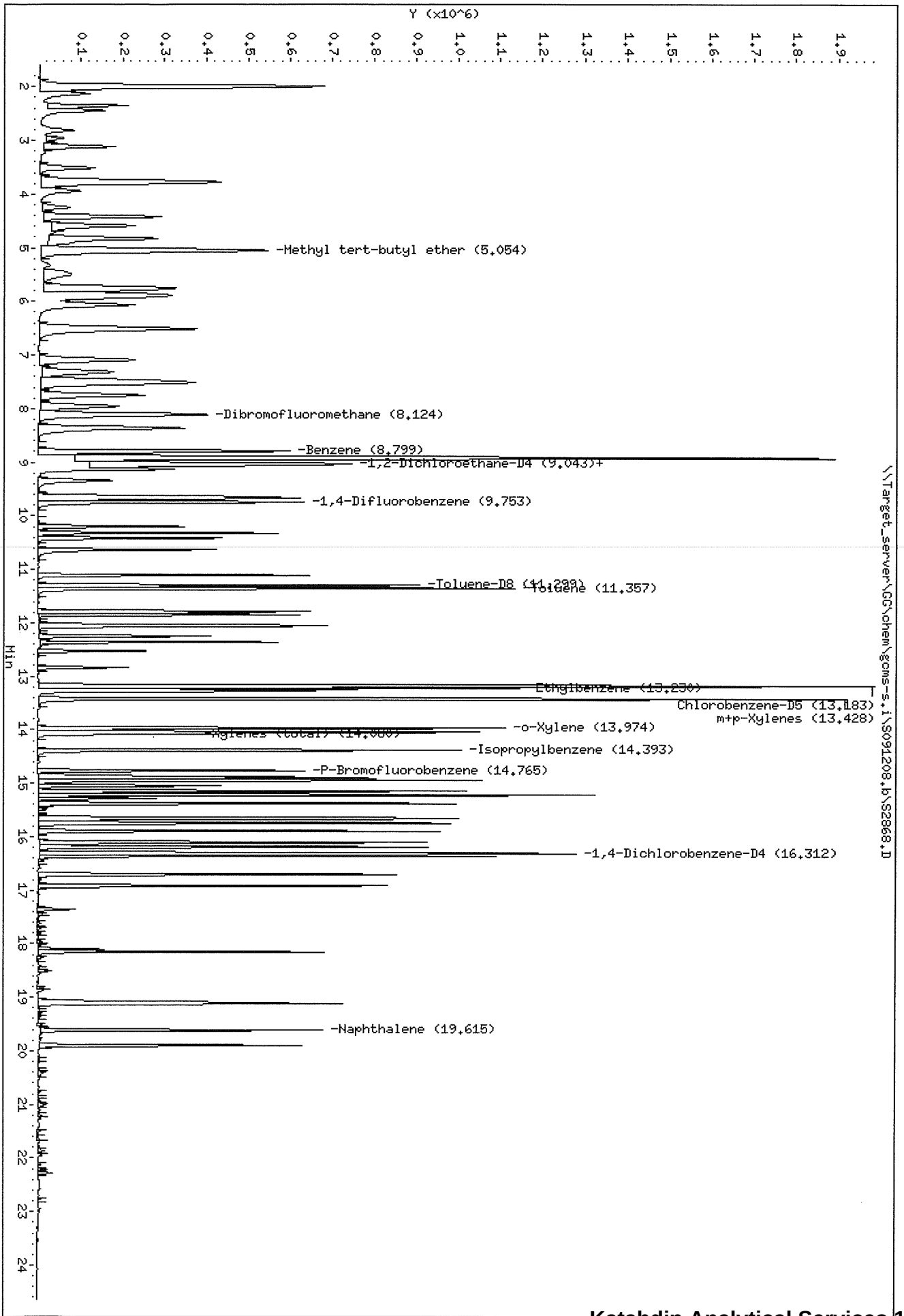
COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	474520	237260	949040	446856	-5.83
49 1,4-Difluorobenze	732237	366119	1464474	710214	-3.01
66 Chlorobenzene-D5	618564	309282	1237128	617188	-0.22
91 1,4-Dichlorobenze	311384	155692	622768	306498	-1.57

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	9.01	8.51	9.51	9.03	0.22
49 1,4-Difluorobenze	9.74	9.24	10.24	9.75	0.08
66 Chlorobenzene-D5	13.16	12.66	13.66	13.17	0.06
91 1,4-Dichlorobenze	16.29	15.79	16.79	16.30	0.05

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.

Data File: \\Target_server\GC\chem\gcms-s.i\S091208.b\S2868.D
Date : 12-SEP-2008 18:41
Client ID: D-CW-MW14-090908MS
Sample Info: WG55628-3

Instrument: gcms-s.i



Data File: \\Target_server\GG\chem\gcms-s.i\S091208.b\S2869.D
Report Date: 24-Sep-2008 15:38

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gcms-s.i\S091208.b\S2869.D
Lab Smp Id: WG55628-4 Client Smp ID: D-GW-MW14-090908MSD
Inj Date : 12-SEP-2008 19:13 MS Autotune Date: 21-NOV-2007 15:16
Operator : SKT Inst ID: gcms-s.i
Smp Info : WG55628-4
Misc Info : SW846 8260B
Comment :
Method : \\Target_server\GG\chem\gcms-s.i\S091208.b\s826a63.m
Meth Date : 22-Sep-2008 08:52 tcote Quant Type: ISTD
Cal Date : 10-SEP-2008 16:57 Cal File: S2831.D
Als bottle: 20 QC Sample: MSD
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TETRAT426001.sub
Target Version: 4.12
Processing Host: MIS_2

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	sample purged
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	CONCENTRATIONS FINAL (ug/l)	REVIEW COD
	19 Methyl tert-butyl ether	73	5.058	5.042	(0.561)	1267797	118.189	118	
	41 Benzene	78	8.802	8.787	(0.903)	932949	53.9882	54.0	
	57 Toluene	92	11.361	11.357	(1.166)	547487	55.3930	55.4	
	68 Ethylbenzene	106	13.233	13.229	(1.004)	299553	53.2961	53.3	
M	70 Xylenes (total)	106				1089489	157.695	158	
	71 m+p-Xylenes	106	13.419	13.415	(1.019)	730661	106.550	106	
	72 o-Xylene	106	13.978	13.974	(1.061)	358828	51.1448	51.1	
	75 Isopropylbenzene	105	14.385	14.381	(0.882)	947603	60.3488	60.3	
	101 Naphthalene	128	19.618	19.603	(1.203)	571653	48.0081	48.0	
$	37 Dibromofluoromethane	113	8.128	8.124	(0.901)	219582	44.3967	44.4	
$	45 1,2-Dichloroethane-D4	65	9.035	9.019	(1.001)	229499	42.7336	42.7	
$	55 Toluene-D8	98	11.303	11.299	(1.160)	666754	46.7446	46.7	
$	76 P-Bromofluorobenzene	95	14.757	14.753	(1.514)	251345	43.3081	43.3	
*	42 Pentafluorobenzene	168	9.023	9.019	(1.000)	442910	50.0000		
*	49 1,4-Difluorobenzene	114	9.744	9.740	(1.000)	688093	50.0000		
*	66 Chlorobenzene-D5	117	13.175	13.160	(1.000)	586109	50.0000		
*	91 1,4-Dichlorobenzene-D4	152	16.304	16.300	(1.000)	304303	50.0000		

Data File: \\Target_server\GG\chem\gcms-s.i\S091208.b\S2869.D
Report Date: 24-Sep-2008 15:38

Katahdin Analytical Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcms-s.i
Lab File ID: S2869.D
Lab Smp Id: WG55628-4
Analysis Type: VOA
Quant Type: ISTD
Operator: SKT
Method File: \\Target_server\GG\chem\gcms-s.i\S091208.b\s826a63.m
Misc Info: SW846 8260B

Calibration Date: 12-SEP-2008
Calibration Time: 08:47
Client Smp ID: D-GW-MW14-09090
Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 4

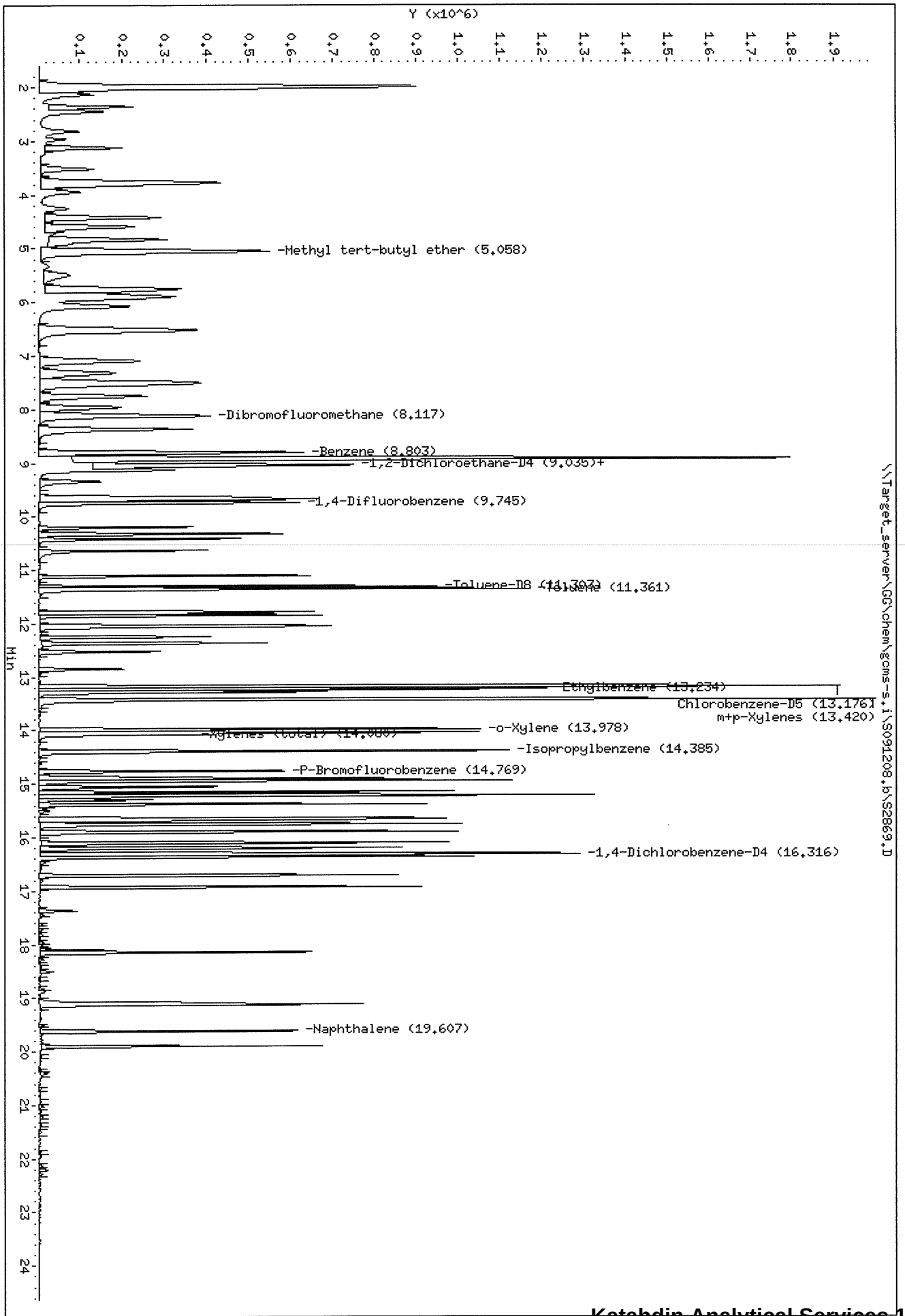
COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	474520	237260	949040	442910	-6.66
49 1,4-Difluorobenze	732237	366119	1464474	688093	-6.03
66 Chlorobenzene-D5	618564	309282	1237128	586109	-5.25
91 1,4-Dichlorobenze	311384	155692	622768	304303	-2.27

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
42 Pentafluorobenzen	9.01	8.51	9.51	9.02	0.13
49 1,4-Difluorobenze	9.74	9.24	10.24	9.74	0.00
66 Chlorobenzene-D5	13.16	12.66	13.66	13.18	0.09
91 1,4-Dichlorobenze	16.29	15.79	16.79	16.30	0.07

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.

Data File: \\Target_server\GC\chem\gcms-s.i\S091208.b\S2869.D
Date : 12-SEP-2008 19:13
Client ID: D-GW-MW14-090908MSD
Sample Info: WG55628-4

Instrument: gcms-s.i



Logbooks and Supporting Documents

KATAHDIN ANALYTICAL SERVICES
GCMS-F INSTRUMENT RUNLOG

DATE/TIME OF BFB INJECTION: 090508
Reviewed by/Date:

SAMPLE NAME	DATAFILE	DF	ALS #	METHOD	Y/N	MS/MSD	PH	ANALYST	COMMENTS
Rinse	F1665	1	1	F826 A15	—	—	—	TTC	
50 ng BFB	F004	1	—	BFB 288 AQ	Y	—	—		
VSTD 200 F05A *	F1666	1	1	F826 A15	Y				Curve Good
VSTD 100 F05A *	F1667	1	2		Y				
VSTD 050 F05A *	F1668	1	3		Y				
VSTD 020 F05A *	F1669	1	4		Y				
VSTD 005 F05A *	F1670	1	5		Y				
VSTD 001 F05A *	F1671	1	6		Y				
VSTD 001 F05B	F1672	1	7		N				Not needed
VSTD 005 F05B	F1673	1	8		N				
Ind Check	F1674	1	9		Y				
Rinse	F1675	1	10		—				
	F1676	1	11		—				
	F1677	1	12		—				
									-TTC 9/1/08

STANDARD	CODE
BFB	V2253
CAL. STD.	V2257
LCS/MS MIX	V2254
EXTRAS MIX	V2258

STANDARD	CODE
IS MIX	V2259
SS MIX	V2260

Circle Methods:

SW846 8260	OLM 04.2
~~EPA 624~~	OLM 03.1
EPA 524	OLC 02.1
SIM	OLC 03.2

QAMS376

Katahdin Analytical Services 00000282

KATAHDIN ANALYTICAL SERVICES
GCMS-F INSTRUMENT RUNLOG

DATE/TIME OF BFB INJECTION: 091508 10:29
Reviewed by/Date:

SAMPLE NAME	DATAFILE	DF	ALS #	METHOD	Y/N	MS/MSD	PH	ANALYST	COMMENTS
Rinse	F1734	1	16	F826A15	—	—	—	TTC	
50 ng BFB	FB009	—	—	BFB288 AQ	Y	—	—		
VSTD050F15A	F1735	1	1	F826.415	Y	—	—		
LCSA	F1736	1	2		N	—	—		
LCSB WG55717-1	F1737	1	3		Y	—	—		
VBLKA	F1738	1	4		N	—	—		Target hits.
VBLKB	F1739	1	5		N	—	—		↓
VBLKC WG55717-2	F1740	1	6		Y	—	—		
SB5123-12 A	F1741	1	7		Y	20	<2		
-1 C	F1742	1	8		Y	21	<2		
-2 C	F1743	1	9		Y	22	<2		
-3 C	F1744	1	10		Y	23	<2		
-4 C	F1745	1	11		Y	24	<2		
-5 C	F1746	1	12		Y	25	<2		
-6 C	F1747	1	13		Y	26	<2		
-7 C	F1748	1	14		Y	27	<2		
-8 C	F1749	1	15		Y	28	<2		
-9 C	F1750	1	16		Y	29	<2		
-10 C	F1751	1	17		Y	30	<2		
-11 A	F1752	1	18		N	31	<2		RR 155↑
SB5126-10 B	F1753	1	19		Y	32	<2		
SB5098-1 A	F1754	1	20		Y	33	<2		22101✓
Rinse	F1755	1	21						
Rinse	F1756	1	22						
Rinse	F1757	1	23						
									TTC 9/16/08

STANDARD	CODE
BFB	V2253
CAL. STD.	V2269
LCS/MS MIX	V2270
EXTRAS MIX	V2258

STANDARD	CODE
IS MIX	V2259
SS MIX	V2260

Circle Methods:

SW846 8260	OLM 04.2
EPA 624	OLM 03.1
EPA 524	OLC 02.1
SIM	OLC 03.2

QAMS388

Katahdin Analytical Services 10002283 00000003

DATE/TIME OF BFB INJECTION: 091008B

Reviewed by/Date:

KATAHDIN ANALYTICAL SERVICES
GCMS-S INSTRUMENT RUNLOG

SAMPLE NAME	DATAFILE	DF	ALS #	METHOD	Y/N	MS/MSD	PH	ANALYST	COMMENTS
50 NG BFB	SB918	—	—	BFB288AQ	Y	NA	NA	SKT	
RINSE	S2825	1	1	S826A63/	—				
VSTD200510A *	S2826	1	2	S624A635	Y				Curve Good
VSTD100510A *	S2827	1	3		Y				
VSTD050510B *	S2828	1	4		Y				
VSTD020510A *	S2829	1	5		Y				
VSTD005510A *	S2830	1	6		Y				
VSTD001510A *	S2831	1	7		Y				
VSTD200510B	S2832	1	8		N				Not Needed
VSTD100510B	S2833	1	9		N				
VSTD050510C	S2834	1	10		N				
VSTD020510B	S2835	1	11		N				
VSTD005510B	S2836	1	12		N				
VSTD001510B	S2837	1	13		N				
LCSA Ind Check	S2838	1	14		Y				
RINSE	S2839	1	15		—	—	—		

SKT 9/1/08

STANDARD	CODE
BFB	V2253
CAL. STD.	V2269
LCS/MS MIX	V2270
EXTRAS MIX	V2258

STANDARD	CODE
IS MIX	V2271
SS MIX	V2272

Circle Methods:

SW846 8260	OLM 04.2
EPA 624	OLM 03.1
EPA 524	OLC 02.1
SIM	OLC 03.2

KATAHDIN ANALYTICAL SERVICES
GCMS-S INSTRUMENT RUNLOG

DATE/TIME OF BFB INJECTION: 091208 08:23
Reviewed by/Date:

SAMPLE NAME	DATAFILE	DF	ALS #	METHOD	Y/N	MS/MSD	PH	ANALYST	COMMENTS
50NGBFB	SB920	—	—	BFB288AQ	Y	—	—	SKT	
VSTD050512A	S2850	1	1	S826A63	Y	—	—		
LCSA WG55628-1	S2851	1	2		Y	—	—		
VBLKA	S2852	1	3		N	—	—		target hits
VBLKB WG55628-2	S2853	1	4		Y	—	—		
SB5085-1 A	S2854	1	5		Y	24	<2		
SB5084-11 A	S2855	1	6		Y	25	<2		
-1 E	S2856	1	7		Y	26	<2		
-2 C	S2857	1	8		Y	27	<2		
-3 A	S2858	1	9		Y	28	<2		
-4 C	S2859	1	10		Y	29	<2		
-5 A	S2860	1	11		Y	30	<2		
-6 E	S2861	1	12		Y	31	<2		
-7 E	S2862	1	13		Y	32	<2		
-8 D	S2863	1	14		Y	33	<2		
-9 A	S2864	1	15		Y	34	<2		
-10 G	S2865	1	16		Y	35	<2		
SB5088-1 A	S2866	1	17		Y	36	<2		
SB5085-2 C	S2867	1	18		Y	37	<2		
SB5084-10MS H	S2868	1	19		Y	MS	<2		WG55628-3
-10MSD J	S2869	1	20		Y	MSD	<2		WG55628-4 19:13 ✓
RINSE	S2870	1	21		—	—	—		
	S2871	1	22		—	—	—		
	S2872	1	23		—	—	—		
VSTD020512A	S2873	1	24	S624A635	Y	—	—		PCE ↑ ✓ samples
LCSA WG55629-1	S2874	1	25		Y	—	—		
VBLKA	S2875	1	26		N	—	—		target hits 20NLA
VBLKB WG55629-2	S2876	1	27		Y	—	—		

STANDARD	CODE
BFB	V2253
CAL. STD.	V2269
LCS/MS MIX	V2270
EXTRAS MIX	V2258

STANDARD	CODE
IS MIX	V2271
SS MIX	V2272

Circle Methods:

SW846 8260	OLM 04.2
EPA 624	OLM 03.1
EPA 524	OLC 02.1
SIM	OLC 03.2

QAMS385
Katahdin Analytical Services 100002897

KATAHDIN ANALYTICAL SERVICES
GCMS-S INSTRUMENT RUNLOG

DATE/TIME OF BFB INJECTION: 091608 09:25
Reviewed by/Date:

SAMPLE NAME	DATAFILE	DF	ALS #	METHOD	Y/N	MS/MSD	PH	ANALYST	COMMENTS
50 NG BFB	SB922	—	—	BFB288AQ	Y	—	—	SKT	
VSTD050516A	S2925	1	1	S826A63	Y	—	—		
LCSA WG55748-1	S2926	1	2		Y	—	—		
VBLKA	S2927	1	3		N	—	—		target hits
VBLKB WG55748-2	S2928	1	4		Y	—	—		
TCLP BLK 091608 WG55748-3	S2929	1	5		Y	—	—		
SB5160-8 A	S2930	1	6		Y	1	<2		
SB 5123-11RA C	S2931	1	7		Y	2	<2		
SB5160-1 C	S2932	1	8		Y	3	<2		
-2 C	S2933	1	9		Y	4	<2		
-3 C	S2934	1	10		Y	5	<2		
-4 C	S2935	1	11		Y	6	<2		
-5 C	S2936	1	12		Y	7	<2		
-6 C	S2937	1	13		Y	8	<2		
-7 C	S2938	1	14		Y	9	<2		
SB5163-1 C	S2939	1	15		Y	10	<2		
-2 C	S2940	1	16		Y	11	<2		
-3 B	S2941	1	17		Y	12	<2		
-4 A	S2942	1	18		Y	13	<2		
-5 A	S2943	1	19		Y	14	<2		
-6 A	S2944	1	20		Y	15	<2		
-7 A	S2945	1	21		Y	16	<2		
SB5162-1DL	S2946	20	22		Y	17	NA		2mL/40mL 21:07
RINSE	S2947	1	23		—	—	—		
	S2948	1	24		—	—	—		
	S2949	1	25		—	—	—		

SKT 091708

STANDARD	CODE
BFB	V2253
CAL. STD.	V2269
LCS/MS MIX	V2270
EXTRAS MIX	V2258

STANDARD	CODE
IS MIX	V2271
SS MIX	V2272

Circle Methods:

SW846 8260	OLM 04.2
EPA 624	OLM 03.1
EPA 524	OLC 02.1
SIM	OLC 03.2

QAMS385

Katahdin Analytical Services 10882811 10882286

TOTAL PETROLEUM HYDROCARBON

QC Summary Section

FORM 2
WATER DRO SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 426 NLON SDG No.: CTO426-5

	CLIENT SAMPLE ID	LAB SAMPLE ID	S1 OTP#	S2 #	S3 #	S4 #	S5 #	S6 #	S7 #	S8 #	TOT OUT
01	WG55724-BLANK	WG55724-1	76								0
02	WG55724-LCS	WG55724-2	77								0
03	WG55724-LCSD	WG55724-3	70								0
04	AWD-GW-MWDUP02	SB5123-1	80								0
05	AWD-GW-MW102-091008	SB5123-2	79								0
06	AWD-GW-MW101-091008	SB5123-3	87								0
07	AWD-GW-MW305-091008	SB5123-4	66								0
08	AWD-GW-MW404-091008	SB5123-5	70								0
09	AWD-GW-MW304-091008	SB5123-6	58								0
10	AWD-GW-MW402-091008	SB5123-7	68								0
11	AWD-GW-MW403-091008	SB5123-8	70								0
12	AWD-GW-MW401-091008	SB5123-9	67								0
13	AWD-GW-MW104-091008	SB5123-10	83								0
14	AWD-GW-MW103-091008	SB5123-11	81								0
15	WG55625-BLANK	WG55625-1	76								0
16	WG55625-LCS	WG55625-2	76								0
17	WG55625-LCSD	WG55625-3	72								0
18	D-GW-MW14-090908MS	WG55625-4	84								0
19	D-GW-MW14-090908MSD	WG55625-5	77								0
20	AWD-GW-MW302-090908	SB5084-4	50								0
21	AWD-GW-MW303-090908	SB5084-5	70								0
22	AWD-SW1-090908	SB5084-6	82								0
23	AWD-SW-DUP01	SB5084-7	59								0
24	AWD-PZ203-090908	SB5084-8	47								0
25	AWD-GW-MW202-090808	SB5084-9	61								0
26	D-GW-MW14-090908	SB5084-10	48								0
27	AWD-GW-MW201-090809	SB5084-1RA	90								0
28	AWD-GW-MW301-090908	SB5084-2RA	84								0

S1 (OTP) = O-Terphenyl QC LIMITS (46-116)

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

FORM 2
WATER DRO SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 426 NLON SDG No.: CTO426-5

	CLIENT SAMPLE ID	LAB SAMPLE ID	S1 OTP#	S2 #	S3 #	S4 #	S5 #	S6 #	S7 #	S8 #	TOT OUT
01	AWD-GW-DUP01	SB5084-3RA	81								0
02											
03											
04											
05											
06											
07											
08											
09											
10											
11											
12											
13											
14											
15											
16											
17											
18											
19											
20											
21											
22											
23											
24											
25											
26											
27											
28											

S1 (OTP) = O-Terphenyl QC LIMITS (46-116)

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

FORM 4
SEMIVOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE ID

WG55625-BLANK

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 426 NLON SDG No.: CTO426-5

Lab File ID: ABI2348 Lab Sample ID: WG55625-1

Instrument ID: GC10 Date Extracted: 09/12/08

Matrix: (soil/water) WATER Date Analyzed: 09/23/08

Level:(low/med) LOW Time Analyzed: 1702

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	WG55625-LCS	WG55625-2	ABI2349	09/23/08	1740
02	WG55625-LCSD	WG55625-3	ABI2350	09/23/08	1819
03	D-GW-MW14-090908MS	WG55625-4	ABI2351	09/23/08	1857
04	D-GW-MW14-090908MSD	WG55625-5	ABI2352	09/23/08	1936
05	AWD-GW-MW302-090908	SB5084-4	ABI2360	09/24/08	0046
06	AWD-GW-MW303-090908	SB5084-5	ABI2361	09/24/08	0125
07	AWD-SW1-090908	SB5084-6	ABI2362	09/24/08	0204
08	AWD-SW-DUP01	SB5084-7	ABI2363	09/24/08	0244
09	AWD-PZ203-090908	SB5084-8	ABI2364	09/24/08	0323
10	AWD-GW-MW202-090808	SB5084-9	ABI2365	09/24/08	0402
11	D-GW-MW14-090908	SB5084-10	ABI2366	09/24/08	0441
12	AWD-GW-MW201-090809	SB5084-1RA	ABI2377	09/24/08	1618
13	AWD-GW-MW301-090908	SB5084-2RA	ABI2378	09/24/08	1656
14	AWD-GW-DUP01	SB5084-3RA	ABI2379	09/24/08	1734
15					
16					
17					
18					
19					
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30					

COMMENTS:

FORM IVDRO

FORM 4
SEMIVOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE ID

WG55724-BLANK

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 426 NLON SDG No.: CTO426-5

Lab File ID: ABI2321 Lab Sample ID: WG55724-1

Instrument ID: GC10 Date Extracted: 09/16/08

Matrix: (soil/water) WATER Date Analyzed: 09/22/08

Level:(low/med) LOW Time Analyzed: 1632

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	WG55724-LCS	WG55724-2	ABI2322	09/22/08	1710
02	WG55724-LCSD	WG55724-3	ABI2323	09/22/08	1748
03	AWD-GW-MWDUP02	SB5123-1	ABI2324	09/22/08	1826
04	AWD-GW-MW102-091008	SB5123-2	ABI2325	09/22/08	1905
05	AWD-GW-MW101-091008	SB5123-3	ABI2326	09/22/08	1944
06	AWD-GW-MW305-091008	SB5123-4	ABI2327	09/22/08	2022
07	AWD-GW-MW404-091008	SB5123-5	ABI2328	09/22/08	2101
08	AWD-GW-MW304-091008	SB5123-6	ABI2329	09/22/08	2139
09	AWD-GW-MW402-091008	SB5123-7	ABI2330	09/22/08	2218
10	AWD-GW-MW403-091008	SB5123-8	ABI2334	09/23/08	0052
11	AWD-GW-MW401-091008	SB5123-9	ABI2335	09/23/08	0131
12	AWD-GW-MW104-091008	SB5123-10	ABI2336	09/23/08	0209
13	AWD-GW-MW103-091008	SB5123-11	ABI2337	09/23/08	0248
14					
15					
16					
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30					

COMMENTS:

FORM IVDRO

FORM 8
DRO ANALYTICAL SEQUENCE

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 426 NLON SDG No.: CTO426-5

GC Column: ZB-1 ID: 0.25 (mm) Init. Calib. Date(s): 06/30/08 06/30/08

Instrument ID: GC10

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION
S1 : 12.70

	CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	S1 RT #	RT #
01		PHC 50UG/ML	06/30/08	1100	12.71	
02		PHC 200UG/ML	06/30/08	1156	12.72	
03		PHC 100UG/ML	06/30/08	1328	12.72	
04		PHC 20UG/ML	06/30/08	1407	12.71	
05		PHC 5UG/ML	06/30/08	1525	12.70	
06		IND 50UG/ML	06/30/08	1604		
07		PHC 50UG/ML	09/22/08	1210	12.69	
08	WG55724-BLAN	WG55724-1	09/22/08	1632	12.69	
09	WG55724-LCS	WG55724-2	09/22/08	1710	12.70	
10	WG55724-LCSD	WG55724-3	09/22/08	1748	12.69	
11	AWD-GW-MWDUP	SB5123-1	09/22/08	1826	12.68	
12	AWD-GW-MW102	SB5123-2	09/22/08	1905	12.68	
13	AWD-GW-MW101	SB5123-3	09/22/08	1944	12.68	
14	AWD-GW-MW305	SB5123-4	09/22/08	2022	12.68	
15	AWD-GW-MW404	SB5123-5	09/22/08	2101	12.68	
16	AWD-GW-MW304	SB5123-6	09/22/08	2139	12.68	
17	AWD-GW-MW402	SB5123-7	09/22/08	2218	12.68	
18		PHC 20UG/ML	09/23/08	0013	12.68	
19	AWD-GW-MW403	SB5123-8	09/23/08	0052	12.68	
20	AWD-GW-MW401	SB5123-9	09/23/08	0131	12.68	

QC LIMITS
(+/- 0.38 MINUTES)

S1 = O-Terphenyl

Column used to flag retention time values with an asterisk.
* Values outside of QC limits.

FORM 8
DRO ANALYTICAL SEQUENCE

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 426 NLON SDG No.: CTO426-5

GC Column: ZB-1 ID: 0.25 (mm) Init. Calib. Date(s): 06/30/08 06/30/08

Instrument ID: GC10

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION
S1 : 12.70

	CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	S1 RT #	RT #
01	AWD-GW-MW104	SB5123-10	09/23/08	0209	12.68	
02	AWD-GW-MW103	SB5123-11	09/23/08	0248	12.68	
03		PHC 50UG/ML	09/23/08	0524	12.68	
04		PHC 50UG/ML	09/23/08	1214	12.70	
05	WG55625-BLAN	WG55625-1	09/23/08	1702	12.71	
06	WG55625-LCS	WG55625-2	09/23/08	1740	12.71	
07	WG55625-LCSD	WG55625-3	09/23/08	1819	12.69	
08	D-GW-MW14-09	WG55625-4	09/23/08	1857	12.68	
09	D-GW-MW14-09	WG55625-5	09/23/08	1936	12.68	
10		PHC 20UG/ML	09/23/08	2250	12.68	
11	AWD-GW-MW302	SB5084-4	09/24/08	0046	12.68	
12	AWD-GW-MW303	SB5084-5	09/24/08	0125	12.68	
13	AWD-SW1-0909	SB5084-6	09/24/08	0204	12.67	
14	AWD-SW-DUP01	SB5084-7	09/24/08	0244	12.67	
15	AWD-PZ203-09	SB5084-8	09/24/08	0323	12.67	
16	AWD-GW-MW202	SB5084-9	09/24/08	0402	12.67	
17	D-GW-MW14-09	SB5084-10	09/24/08	0441	12.67	
18		PHC 50UG/ML	09/24/08	0717	12.67	
19		PHC 50UG/ML	09/24/08	1202	12.69	
20	AWD-GW-MW201	SB5084-1RA	09/24/08	1618	12.69	

S1 = O-Terphenyl QC LIMITS (+/- 0.38 MINUTES)

Column used to flag retention time values with an asterisk.
* Values outside of QC limits.

FORM VIII DRO

FORM 8
DRO ANALYTICAL SEQUENCE

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 426 NLON SDG No.: CTO426-5

GC Column: ZB-1 ID: 0.25 (mm) Init. Calib. Date(s): 06/30/08 06/30/08

Instrument ID: GC10

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION
S1 : 12.70

	CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	S1 RT #	RT #
01	AWD-GW-MW301	SB5084-2RA	09/24/08	1656	12.69	
02	AWD-GW-DUP01	SB5084-3RA	09/24/08	1734	12.69	
03		PHC 20UG/ML	09/24/08	2245	12.67	
04						
05						
06						
07						
08						
09						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						

S1 = O-Terphenyl QC LIMITS (+/- 0.38 MINUTES)

Column used to flag retention time values with an asterisk.
* Values outside of QC limits.

Sample Data Section

KATAHDIN ANALYTICAL SERVICES - ORGANIC DATA QUALIFIERS

U Indicates the compound was analyzed for but not detected above the laboratory Practical Quantitation Limit.

* Compound recovery outside of quality control limits.

D Indicates the result was obtained from analysis of a diluted sample. Surrogate recoveries may not be calculable.

E Estimated value. This flag identifies compounds whose concentrations exceed the upper level of the calibration range of the instrument for that specific analysis.

J Estimated value. The analyte was detected in the sample at a concentration less than the laboratory Practical Quantitation Limit (PQL), but above the Method Detection Limit (MDL).

or

J Used for Pesticide/Aroclor analyte when there is a greater than 40% difference for detected concentrations between the two GC columns.

B Indicates the analyte was detected in the laboratory method blank analyzed concurrently with the sample.

N Presumptive evidence of a compound based on a mass spectral library search.

A Indicates that a tentatively identified compound is a suspected aldol-condensation product.

P Used for Pesticide/Aroclor analyte when there is a greater than 25% difference for detected concentrations between the two GC columns. (for CLP methods only).

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.
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
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 09/08/08
Received Date: 09/11/08
Extraction Date: 09/12/08
Analysis Date: 24-SEP-2008 16:18
Report Date: 09/29/2008
Matrix: WATER
% Solids: NA

Lab ID: SB5084-1RA
Client ID: AWD-GW-MW201-090809
SDG: CTO426-5
Extracted by: CB
Extraction Method: SW846 3510
Analyst: KGT
Analysis Method: SW846 M8015B
Lab Prep Batch: WG55625
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
	Extractable TPH C9-C36	U	72	1.0	75	72	38
	O-Terphenyl		90%				

Data File: \\Target_server\GG\chem\gc10.i\GC10BI24B1.b\ABI2377.d
Report Date: 30-Sep-2008 09:50

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gc10.i\GC10BI24B1.b\ABI2377.d
Lab Smp Id: SB5084-1RA Client Smp ID: AWD-GW-MW201-090809
Inj Date : 24-SEP-2008 16:18
Operator : KGT Inst ID: gc10.i
Smp Info : TPHB022A.M,GC10BI24B1.B,1,SB5084-1RA
Misc Info : SW846 M8015B
Comment :
Method : \\TARGET_SERVER\GG\chem\gc10.i\GC10BI24B1.B\TPHB022A.m
Meth Date : 25-Sep-2008 08:45 ktang Quant Type: ESTD
Cal Date : 15-JUL-2008 18:38 Cal File: ABG2137.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: SW8015M-TPH.sub
Subtraction File: \\Target_server\GG\chem\gc10.i\GC10BI24B1.b\ABI2372.d
Target Version: 4.12
Processing Host: TARGET02

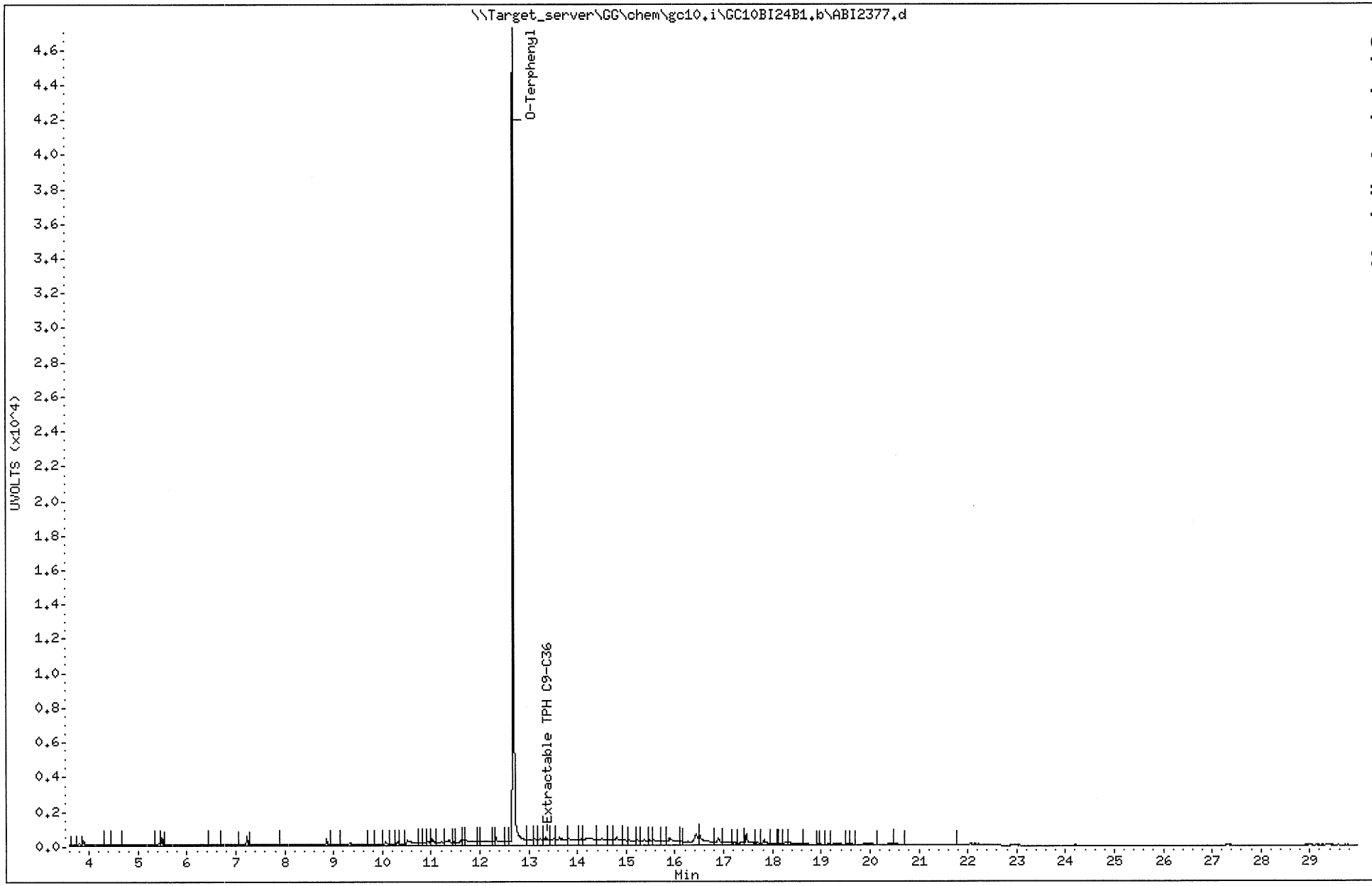
Concentration Formula: Amt * DF * (Vt/Vo)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00100	Final Volume (L)
Vo	1.040	Sample Volume (L)
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/L)	REVIEW CODE
$ 8 O-Terphenyl	12.688	12.697	-0.009	116944	17.9595	17.3	

Data File: \\Target_server\GC\chem\gc10.i\GC10BI24B1.b\ABI2377.d
Date : 24-SEP-2008 16:18
Client ID: AWD-GW-MW201-090809
Sample Info: TPHB022A.M,GC10BI24B1.B,1,SB5084-1RA
Purge Volume: 1.0
Column phase: ZB-1

Instrument: gc10.i
Operator: KGT
Column diameter: 0.25



Katahdin Analytical Services 2000015

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 09/09/08
Received Date: 09/11/08
Extraction Date: 09/12/08
Analysis Date: 24-SEP-2008 16:56
Report Date: 09/29/2008
Matrix: WATER
% Solids: NA

Lab ID: SB5084-2RA
Client ID: AWD-GW-MW301-090908
SDG: CTO426-5
Extracted by: CB
Extraction Method: SW846 3510
Analyst: KGT
Analysis Method: SW846 M8015B
Lab Prep Batch: WG55625
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
	Extractable TPH C9-C36		97	1.0	75	73	38
	O-Terphenyl		84%				

Data File: \\Target_server\GG\chem\gc10.i\GC10BI24B1.b\ABI2378.d
Report Date: 30-Sep-2008 09:50

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gc10.i\GC10BI24B1.b\ABI2378.d
Lab Smp Id: SB5084-2RA Client Smp ID: AWD-GW-MW301-090908
Inj Date : 24-SEP-2008 16:56
Operator : KGT Inst ID: gc10.i
Smp Info : TPHB022A.M,GC10BI24B1.B,1,SB5084-2RA
Misc Info : SW846 M8015B
Comment :
Method : \\TARGET_SERVER\GG\chem\gc10.i\GC10BI24B1.B\TPHB022A.m
Meth Date : 25-Sep-2008 08:45 ktang Quant Type: ESTD
Cal Date : 15-JUL-2008 18:38 Cal File: ABG2137.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: SW8015M-TPH.sub
Subtraction File: \\Target_server\GG\chem\gc10.i\GC10BI24B1.b\ABI2372.d
Target Version: 4.12
Processing Host: TARGET02

Concentration Formula: Amt * DF * (Vt/Vo)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00100	Final Volume (L)
Vo	1.030	Sample Volume (L)
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/L)	REVIEW CODE
$ 8 O-Terphenyl	12.693	12.697	-0.004	109190	16.7392	16.2(M)	M2
S 10 Extractable TPH C9-C36	4.102	-22.718		623289	99.5279	96.6(M)	

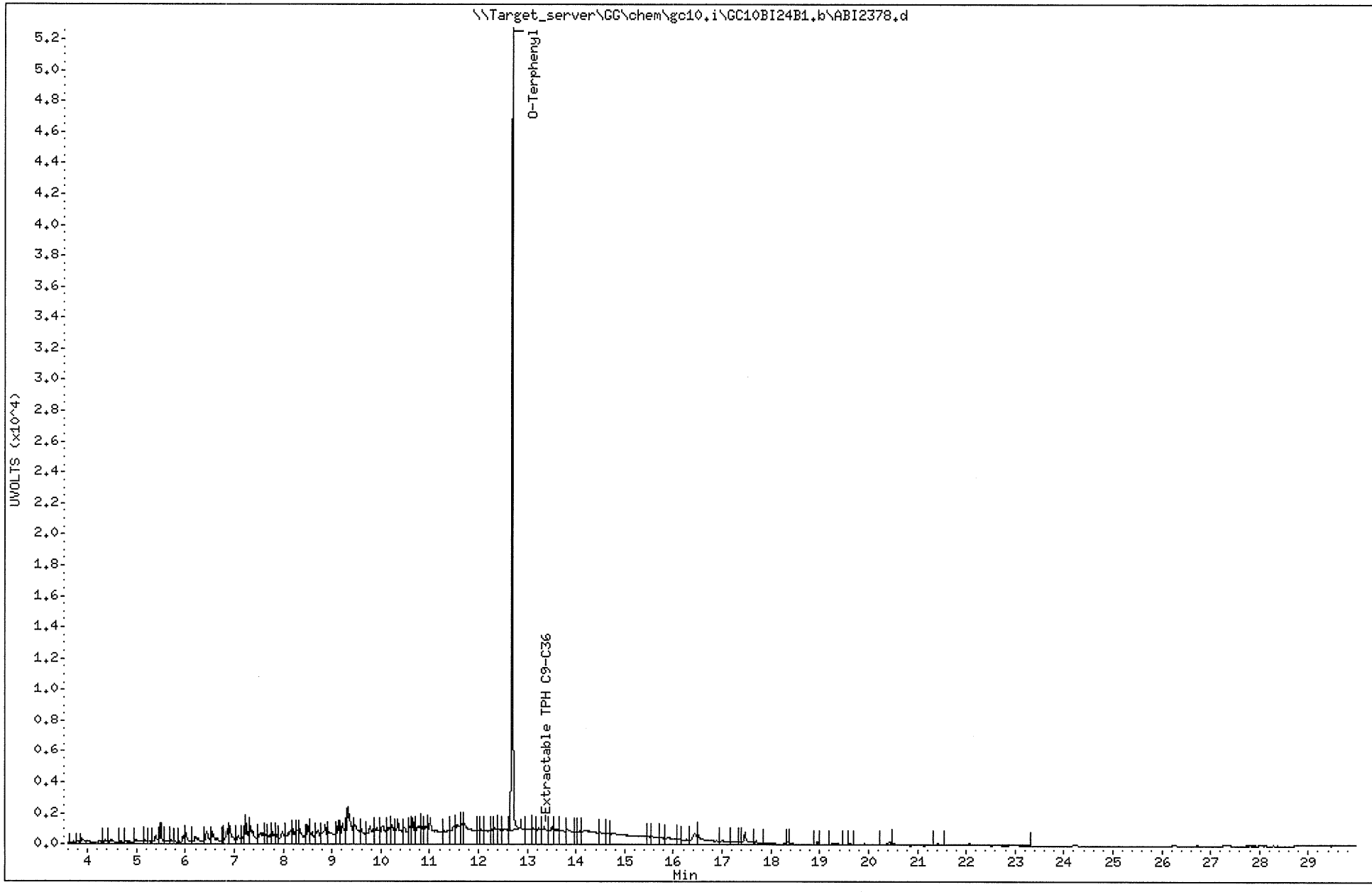
KGT 093008

QC Flag Legend

M - Compound response manually integrated.

Data File: \\Target_server\GG\chem\gc10.i\GC10BI24B1.b\ABI2378.d
Date : 24-SEP-2008 16:56
Client ID: AWD-GW-MW301-090908
Sample Info: TPHB022A.M,GC10BI24B1.B,1,SB5084-2RA
Purge Volume: 1.0
Column phase: ZB-1

Instrument: gc10.i
Operator: KGT
Column diameter: 0.25



Katahdin Analytical Services 2000018

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 09/08/08
Received Date: 09/11/08
Extraction Date: 09/12/08
Analysis Date: 24-SEP-2008 17:34
Report Date: 09/29/2008
Matrix: WATER
% Solids: NA

Lab ID: SB5084-3RA
Client ID: AWD-GW-DUP01
SDG: CTO426-5
Extracted by: CB
Extraction Method: SW846 3510
Analyst: KGT
Analysis Method: SW846 M8015B
Lab Prep Batch: WG55625
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
	Extractable TPH C9-C36		140	1.0	75	75	39
	O-Terphenyl		81%				

Data File: \\Target_server\GG\chem\gc10.i\GC10BI24B1.b\ABI2379.d
Report Date: 30-Sep-2008 09:50

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gc10.i\GC10BI24B1.b\ABI2379.d
Lab Smp Id: SB5084-3RA Client Smp ID: AWD-GW-DUP01
Inj Date : 24-SEP-2008 17:34
Operator : KGT Inst ID: gc10.i
Smp Info : TPHB022A.M,GC10BI24B1.B,1,SB5084-3RA
Misc Info : SW846 M8015B
Comment :
Method : \\TARGET_SERVER\GG\chem\gc10.i\GC10BI24B1.B\TPHB022A.m
Meth Date : 25-Sep-2008 08:45 ktang Quant Type: ESTD
Cal Date : 15-JUL-2008 18:38 Cal File: ABG2137.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: SW8015M-TPH.sub
Subtraction File: \\Target_server\GG\chem\gc10.i\GC10BI24B1.b\ABI2372.d
Target Version: 4.12
Processing Host: TARGET02

Concentration Formula: Amt * DF * (Vt/Vo)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00100	Final Volume (L)
Vo	1.000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/L)	REVIEW CODE
$ 8 O-Terphenyl	12.693	12.697	-0.004	105409	16.1442	16.1(M)	M2
S 10 Extractable TPH C9-C36	4.102	-22.718		826501	134.919	135(M)	

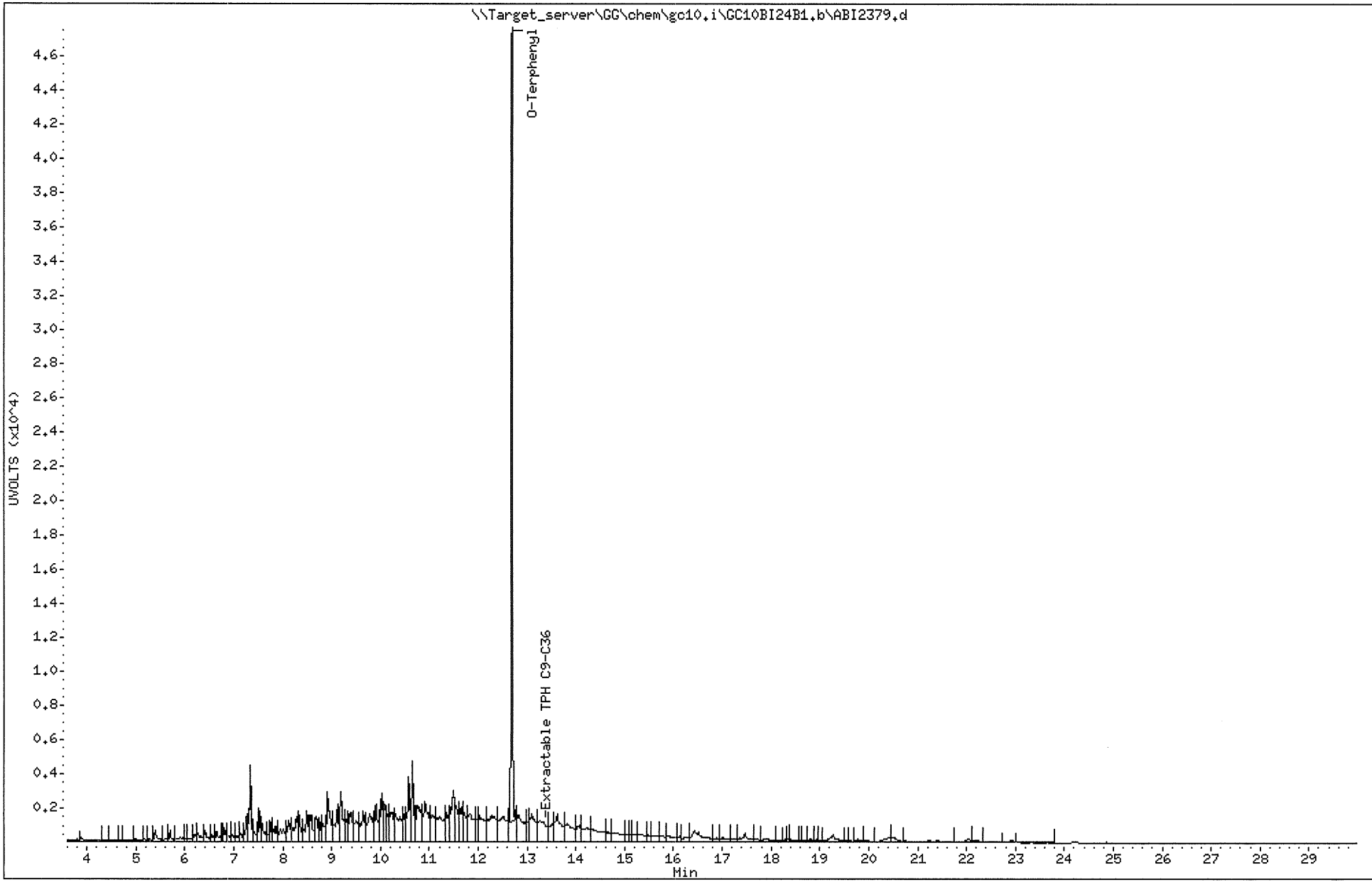
KGT
09/30/08

QC Flag Legend

M - Compound response manually integrated.

Data File: \\Target_server\GG\chem\gc10.i\GC10BI24B1.b\ABI2379.d
Date : 24-SEP-2008 17:34
Client ID: AWD-GW-DUP01
Sample Info: TPHB022A.M,GC10BI24B1.B,1,SB5084-3RA
Purge Volume: 1.0
Column phase: ZB-1

Instrument: gc10.i
Operator: KGT
Column diameter: 0.25



Katahdin Analytical Services 2000021

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 09/09/08
Received Date: 09/11/08
Extraction Date: 09/12/08
Analysis Date: 24-SEP-2008 00:46
Report Date: 09/30/2008
Matrix: WATER
% Solids: NA

Lab ID: SB5084-4
Client ID: AWD-GW-MW302-090908
SDG: CTO426-5
Extracted by: CB
Extraction Method: SW846 3510
Analyst: KGT
Analysis Method: SW846 M8015B
Lab Prep Batch: WG55625
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
	Extractable TPH C9-C36		76	1.0	75	71	37
	O-Terphenyl		50%				

Data File: \\Target_server\GG\chem\gc10.i\GC10BI23B1.b\ABI2360.d
Report Date: 30-Sep-2008 10:02

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gc10.i\GC10BI23B1.b\ABI2360.d
Lab Smp Id: SB5084-4 Client Smp ID: AWD-GW-MW302-090908
Inj Date : 24-SEP-2008 00:46
Operator : KGT Inst ID: gc10.i
Smp Info : TPHB022A.M,GC10BI23B1.B,1,SB5084-4
Misc Info : SW846 M8015B
Comment :
Method : \\TARGET_SERVER\GG\chem\gc10.i\GC10BI23B1.B\TPHB022A.m
Meth Date : 30-Sep-2008 09:56 ktang Quant Type: ESTD
Cal Date : 15-JUL-2008 18:38 Cal File: ABG2137.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: SW8015M-TPH.sub
Subtraction File: \\Target_server\GG\chem\gc10.i\GC10BI23B1.b\ABI2369.d
Target Version: 4.12
Processing Host: TARGET02

Concentration Formula: Amt * DF * (Vt/Vo)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00100	Final Volume (L)
Vo	1.060	Sample Volume (L)
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/L)	REVIEW CODE
$ 8 O-Terphenyl	12.680	12.697	-0.017	66136	9.96379	9.40(M)	M2
S 10 Extractable TPH C9-C36	4.102-22.718			515572	80.7679	76.2(M)	

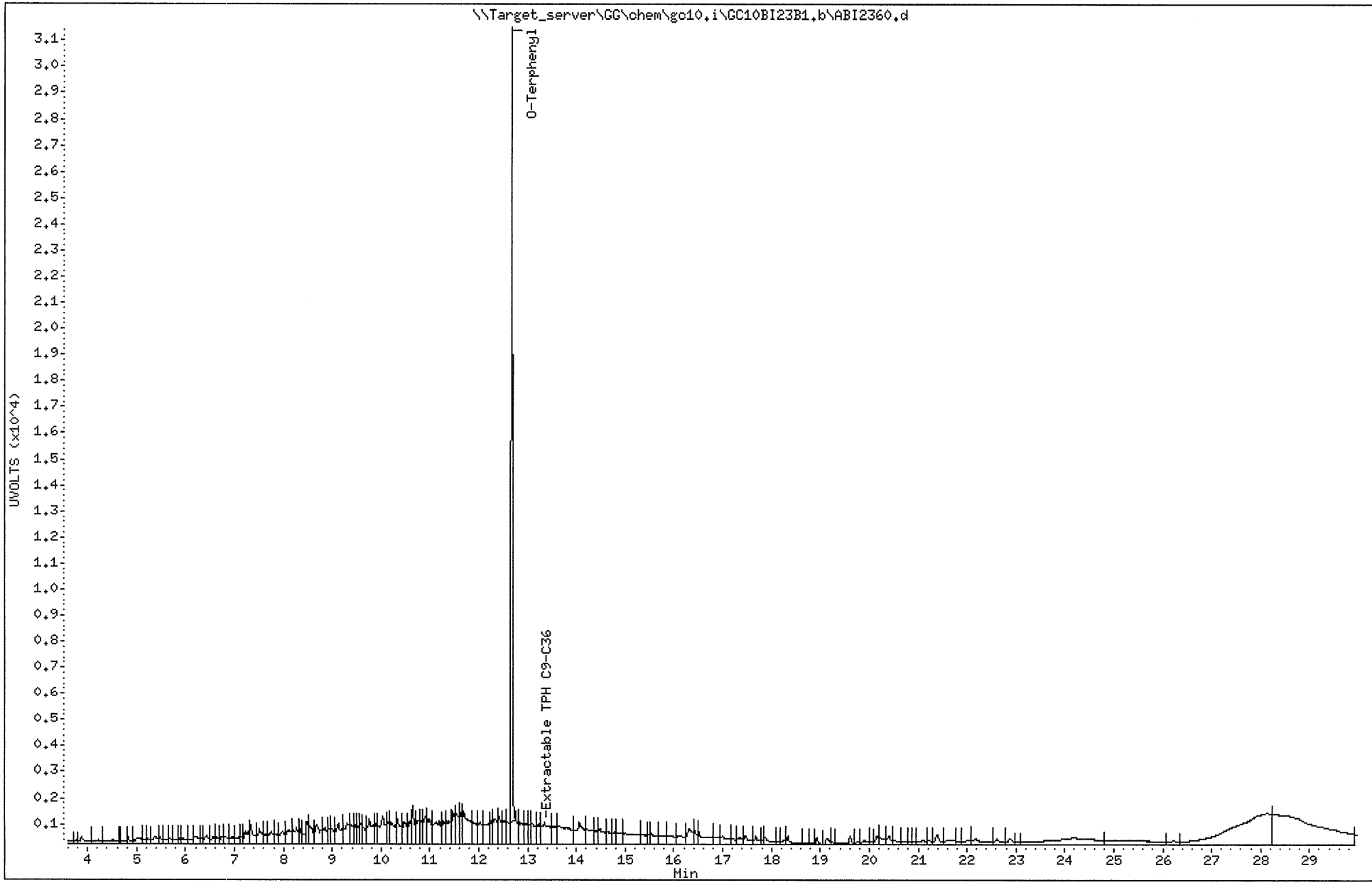
KGS 9/30/08

QC Flag Legend

M - Compound response manually integrated.

Data File: \\Target_server\GG\chem\gc10.i\GC10BI23B1.b\ABI2360.d
Date : 24-SEP-2008 00:46
Client ID: AWD-GW-MW302-090908
Sample Info: TPHB022A.M,GC10BI23B1.B,1,SB5084-4
Purge Volume: 1.1
Column phase: ZB-1

Instrument: gc10.i
Operator: KGT
Column diameter: 0.25



Katahdin Analytical Services 2000024

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 09/09/08
Received Date: 09/11/08
Extraction Date: 09/12/08
Analysis Date: 24-SEP-2008 01:25
Report Date: 09/30/2008
Matrix: WATER
% Solids: NA

Lab ID: SB5084-5
Client ID: AWD-GW-MW303-090908
SDG: CTO426-5
Extracted by: CB
Extraction Method: SW846 3510
Analyst: KGT
Analysis Method: SW846 M8015B
Lab Prep Batch: WG55625
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
	Extractable TPH C9-C36		1400	1.0	75	71	37
	O-Terphenyl		70%				

Data File: \\Target_server\GG\chem\gc10.i\GC10BI23B1.b\ABI2361.d
Report Date: 30-Sep-2008 10:02

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gc10.i\GC10BI23B1.b\ABI2361.d
Lab Smp Id: SB5084-5 Client Smp ID: AWD-GW-MW303-090908
Inj Date : 24-SEP-2008 01:25
Operator : KGT Inst ID: gc10.i
Smp Info : TPHB022A.M,GC10BI23B1.B,1,SB5084-5
Misc Info : SW846 M8015B
Comment :
Method : \\TARGET_SERVER\GG\chem\gc10.i\GC10BI23B1.B\TPHB022A.m
Meth Date : 30-Sep-2008 09:56 ktang Quant Type: ESTD
Cal Date : 15-JUL-2008 18:38 Cal File: ABG2137.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: SW8015M-TPH.sub
Subtraction File: \\Target_server\GG\chem\gc10.i\GC10BI23B1.b\ABI2369.d
Target Version: 4.12
Processing Host: TARGET02

Concentration Formula: Amt * DF * (Vt/Vo)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00100	Final Volume (L)
Vo	1.060	Sample Volume (L)
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/L)	REVIEW CODE
$ 8 O-Terphenyl	12.680	12.697	-0.017	91868	14.0133	13.2(M)	M2
S 10 Extractable TPH C9-C36	4.102	-22.718		8405205	1454.82	1370(M)	

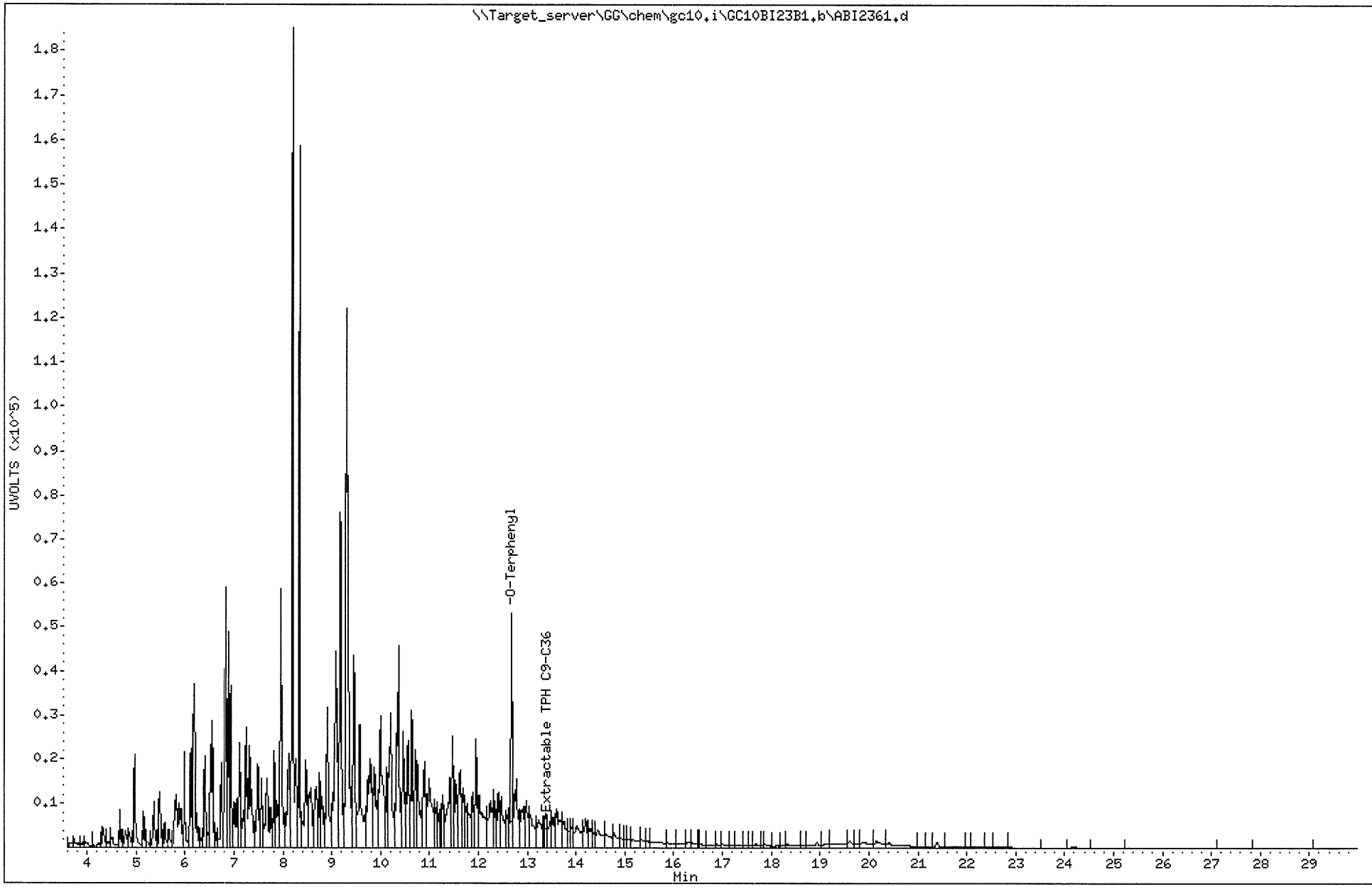
KGT
9/30/08

QC Flag Legend

M - Compound response manually integrated.

Data File: \\Target_server\GG\chem\gc10.i\GC10BI23B1.b\ABI2361.d
Date : 24-SEP-2008 01:25
Client ID: AWD-GW-MW303-090908
Sample Info: TPHB022A.M,GC10BI23B1.B,1,SB5084-5
Purge Volume: 1.1
Column phase: ZB-1

Instrument: gc10.i
Operator: KGT
Column diameter: 0.25



Katahdin Analytical Services 2000027

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 09/09/08
Received Date: 09/11/08
Extraction Date: 09/12/08
Analysis Date: 24-SEP-2008 02:04
Report Date: 09/30/2008
Matrix: WATER
% Solids: NA

Lab ID: SB5084-6
Client ID: AWD-SW1-090908
SDG: CTO426-5
Extracted by: CB
Extraction Method: SW846 3510
Analyst: KGT
Analysis Method: SW846 M8015B
Lab Prep Batch: WG55625
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
	Extractable TPH C9-C36		180	1.0	75	76	40
	O-Terphenyl		82%				

Data File: \\Target_server\GG\chem\gc10.i\GC10BI23B1.b\ABI2362.d
Report Date: 30-Sep-2008 10:02

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gc10.i\GC10BI23B1.b\ABI2362.d
Lab Smp Id: SB5084-6 Client Smp ID: AWD-SW1-090908
Inj Date : 24-SEP-2008 02:04
Operator : KGT Inst ID: gc10.i
Smp Info : TPHB022A.M,GC10BI23B1.B,1,SB5084-6
Misc Info : SW846 M8015B
Comment :
Method : \\TARGET_SERVER\GG\chem\gc10.i\GC10BI23B1.B\TPHB022A.m
Meth Date : 30-Sep-2008 09:56 ktang Quant Type: ESTD
Cal Date : 15-JUL-2008 18:38 Cal File: ABG2137.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: SW8015M-TPH.sub
Subtraction File: \\Target_server\GG\chem\gc10.i\GC10BI23B1.b\ABI2369.d
Target Version: 4.12
Processing Host: TARGET02

Concentration Formula: Amt * DF * (Vt/Vo)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00100	Final Volume (L)
Vo	0.98000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/L)	REVIEW CODE
$ 8 O-Terphenyl	12.666	12.697	-0.031	107588	16.4871	16.8(M)	M2
S 10 Extractable TPH C9-C36	4.102	22.718		1043903	172.782	176(M)	

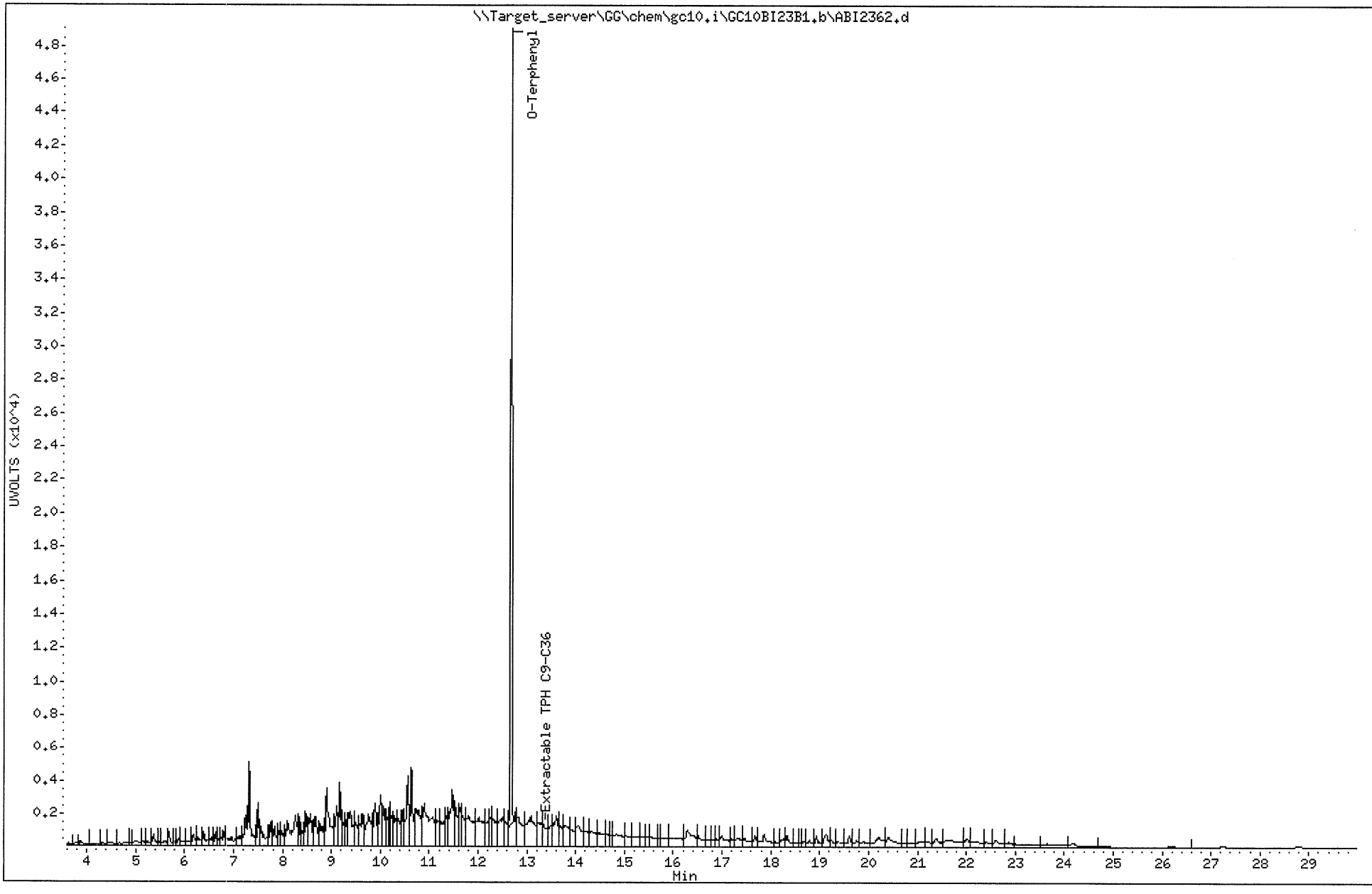
KGT
093008

QC Flag Legend

M - Compound response manually integrated.

Data File: \\Target_server\GG\chem\gc10.i\GC10BI23B1.b\ABI2362.d
Date : 24-SEP-2008 02:04
Client ID: AWD-SW1-090908
Sample Info: TPHB022A.M,GC10BI23B1.B,1,SB5084-6
Purge Volume: 1.0
Column phase: ZB-1

Instrument: gc10.i
Operator: KGT
Column diameter: 0.25



Katahdin Analytical Services 2000030

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 09/09/08
Received Date: 09/11/08
Extraction Date: 09/12/08
Analysis Date: 24-SEP-2008 02:44
Report Date: 09/30/2008
Matrix: WATER
% Solids: NA

Lab ID: SB5084-7
Client ID: AWD-SW-DUP01
SDG: CTO426-5
Extracted by: CB
Extraction Method: SW846 3510
Analyst: KGT
Analysis Method: SW846 M8015B
Lab Prep Batch: WG55625
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
	Extractable TPH C9-C36	U	73	1.0	75	73	38
	O-Terphenyl		59%				

Data File: \\Target_server\GG\chem\gc10.i\GC10BI23B1.b\ABI2363.d
Report Date: 30-Sep-2008 10:02

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gc10.i\GC10BI23B1.b\ABI2363.d
Lab Smp Id: SB5084-7 Client Smp ID: AWD-SW-DUP01
Inj Date : 24-SEP-2008 02:44
Operator : KGT Inst ID: gc10.i
Smp Info : TPHB022A.M,GC10BI23B1.B,1,SB5084-7
Misc Info : SW846 M8015B
Comment :
Method : \\TARGET_SERVER\GG\chem\gc10.i\GC10BI23B1.B\TPHB022A.m
Meth Date : 30-Sep-2008 09:56 ktang Quant Type: ESTD
Cal Date : 15-JUL-2008 18:38 Cal File: ABG2137.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: SW8015M-TPH.sub
Subtraction File: \\Target_server\GG\chem\gc10.i\GC10BI23B1.b\ABI2369.d
Target Version: 4.12
Processing Host: TARGET02

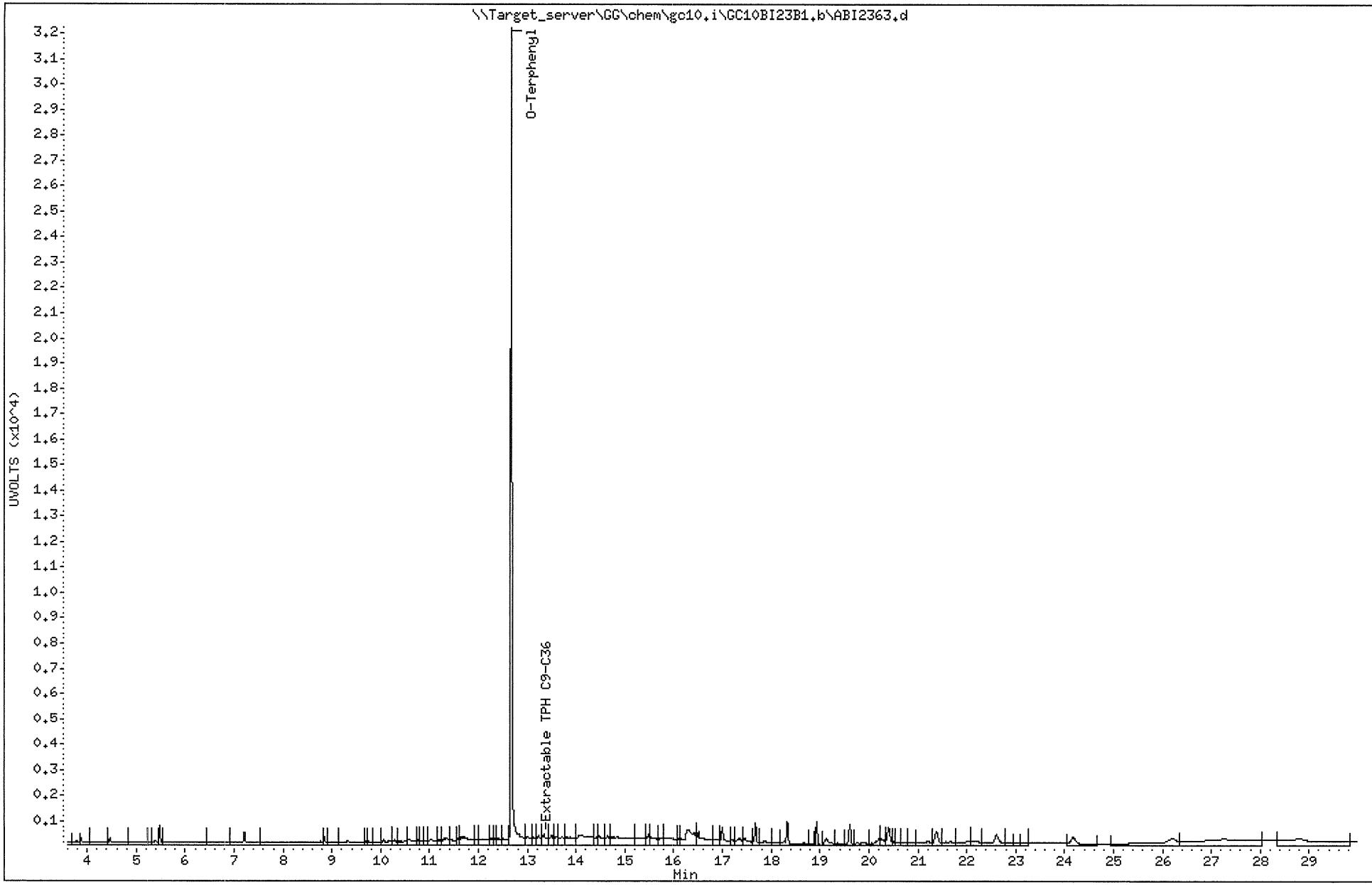
Concentration Formula: Amt * DF * (Vt/Vo)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00100	Final Volume (L)
Vo	1.030	Sample Volume (L)
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/L)	REVIEW CODE
$ 8 O-Terphenyl	12.670	12.697	-0.027	77690	11.7821	11.4	

Data File: \\Target_server\GC\chem\gc10.i\GC10BI23B1.b\ABI2363.d
Date : 24-SEP-2008 02:44
Client ID: AWD-SW-DUP01
Sample Info: TPHB022A.M,GC10BI23B1.B,1,SB5084-7
Purge Volume: 1.0
Column phase: ZB-1

Instrument: gc10.i
Operator: KGT
Column diameter: 0.25



Katahdin Analytical Services 2000033

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 09/09/08
Received Date: 09/11/08
Extraction Date: 09/12/08
Analysis Date: 24-SEP-2008 03:23
Report Date: 09/30/2008
Matrix: WATER
% Solids: NA

Lab ID: SB5084-8
Client ID: AWD-PZ203-090908
SDG: CTO426-5
Extracted by: CB
Extraction Method: SW846 3510
Analyst: KGT
Analysis Method: SW846 M8015B
Lab Prep Batch: WG55625
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
	Extractable TPH C9-C36		150	1.0	75	79	41
	O-Terphenyl		47%				

Data File: \\Target_server\GG\chem\gc10.i\GC10BI23B1.b\ABI2364.d
Report Date: 30-Sep-2008 10:02

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gc10.i\GC10BI23B1.b\ABI2364.d
Lab Smp Id: SB5084-8 Client Smp ID: AWD-PZ203-090908
Inj Date : 24-SEP-2008 03:23
Operator : KGT Inst ID: gc10.i
Smp Info : TPHB022A.M,GC10BI23B1.B,1,SB5084-8
Misc Info : SW846 M8015B
Comment :
Method : \\Target_server\GG\chem\gc10.i\GC10BI23B1.B\TPHB022A.m
Meth Date : 30-Sep-2008 09:56 ktang Quant Type: ESTD
Cal Date : 15-JUL-2008 18:38 Cal File: ABG2137.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: SW8015M-TPH.sub
Subtraction File: \\Target_server\GG\chem\gc10.i\GC10BI23B1.b\ABI2369.d
Target Version: 4.12
Processing Host: TARGET02

Concentration Formula: Amt * DF * (Vt/Vo)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00100	Final Volume (L)
Vo	0.95000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/L)	REVIEW CODE
$ 8 O-Terphenyl	12.666	12.697	-0.031	62771	9.43424	9.93 (M)	M2
S 10 Extractable TPH C9-C36	4.102	-22.718		891556	146.249	154 (M)	

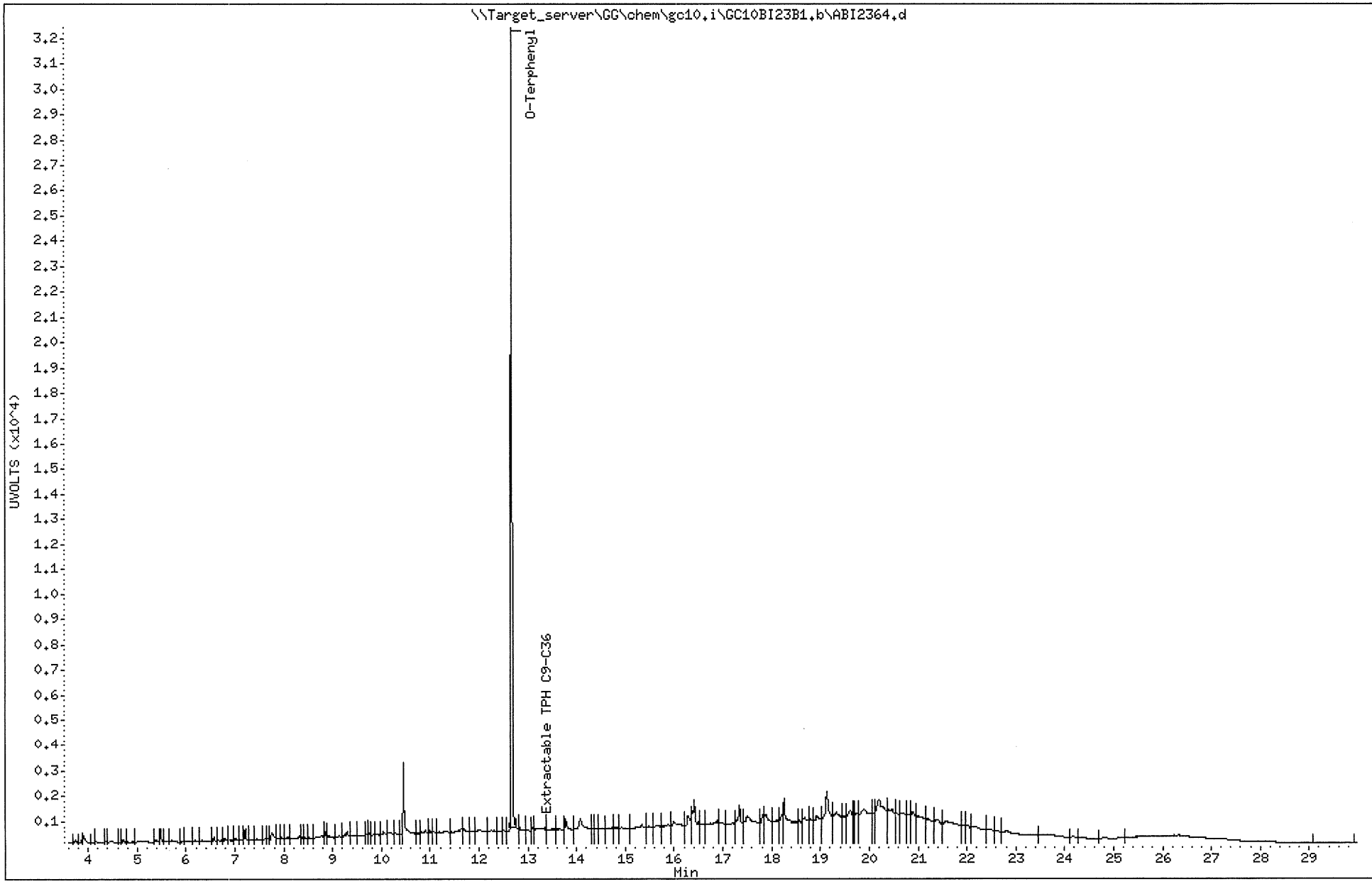
KGT
093008

QC Flag Legend

M - Compound response manually integrated.

Data File: \\Target_server\GG\chem\gc10.i\GC10BI23B1.b\ABI2364.d
Date : 24-SEP-2008 03:23
Client ID: AWD-PZ203-090908
Sample Info: TPHB022A.M,GC10BI23B1.B,1,SB5084-8
Purge Volume: 0.9
Column phase: ZB-1

Instrument: gc10.i
Operator: KGT
Column diameter: 0.25



Katahdin Analytical Services 2000036

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 09/08/08
Received Date: 09/11/08
Extraction Date: 09/12/08
Analysis Date: 24-SEP-2008 04:02
Report Date: 09/30/2008
Matrix: WATER
% Solids: NA

Lab ID: SB5084-9
Client ID: AWD-GW-MW202-090808
SDG: CTO426-5
Extracted by: CB
Extraction Method: SW846 3510
Analyst: KGT
Analysis Method: SW846 M8015B
Lab Prep Batch: WG55625
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
	Extractable TPH C9-C36		200	1.0	75	75	39
	O-Terphenyl		61%				

Data File: \\Target_server\GG\chem\gc10.i\GC10BI23B1.b\ABI2365.d
Report Date: 30-Sep-2008 10:02

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gc10.i\GC10BI23B1.b\ABI2365.d
Lab Smp Id: SB5084-9 Client Smp ID: AWD-GW-MW202-090808
Inj Date : 24-SEP-2008 04:02
Operator : KGT Inst ID: gc10.i
Smp Info : TPHB022A.M,GC10BI23B1.B,1,SB5084-9
Misc Info : SW846 M8015B
Comment :
Method : \\TARGET_SERVER\GG\chem\gc10.i\GC10BI23B1.B\TPHB022A.m
Meth Date : 30-Sep-2008 09:56 ktang Quant Type: ESTD
Cal Date : 15-JUL-2008 18:38 Cal File: ABG2137.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: SW8015M-TPH.sub
Subtraction File: \\Target_server\GG\chem\gc10.i\GC10BI23B1.b\ABI2369.d
Target Version: 4.12
Processing Host: TARGET02

Concentration Formula: Amt * DF * (Vt/Vo)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00100	Final Volume (L)
Vo	1.000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/L)	REVIEW CODE
$ 8 O-Terphenyl	12.666	12.697	-0.031	80426	12.2126	12.2(M)	M2
S 10 Extractable TPH C9-C36	4.102	-22.718		1229617	205.126	205(M)	

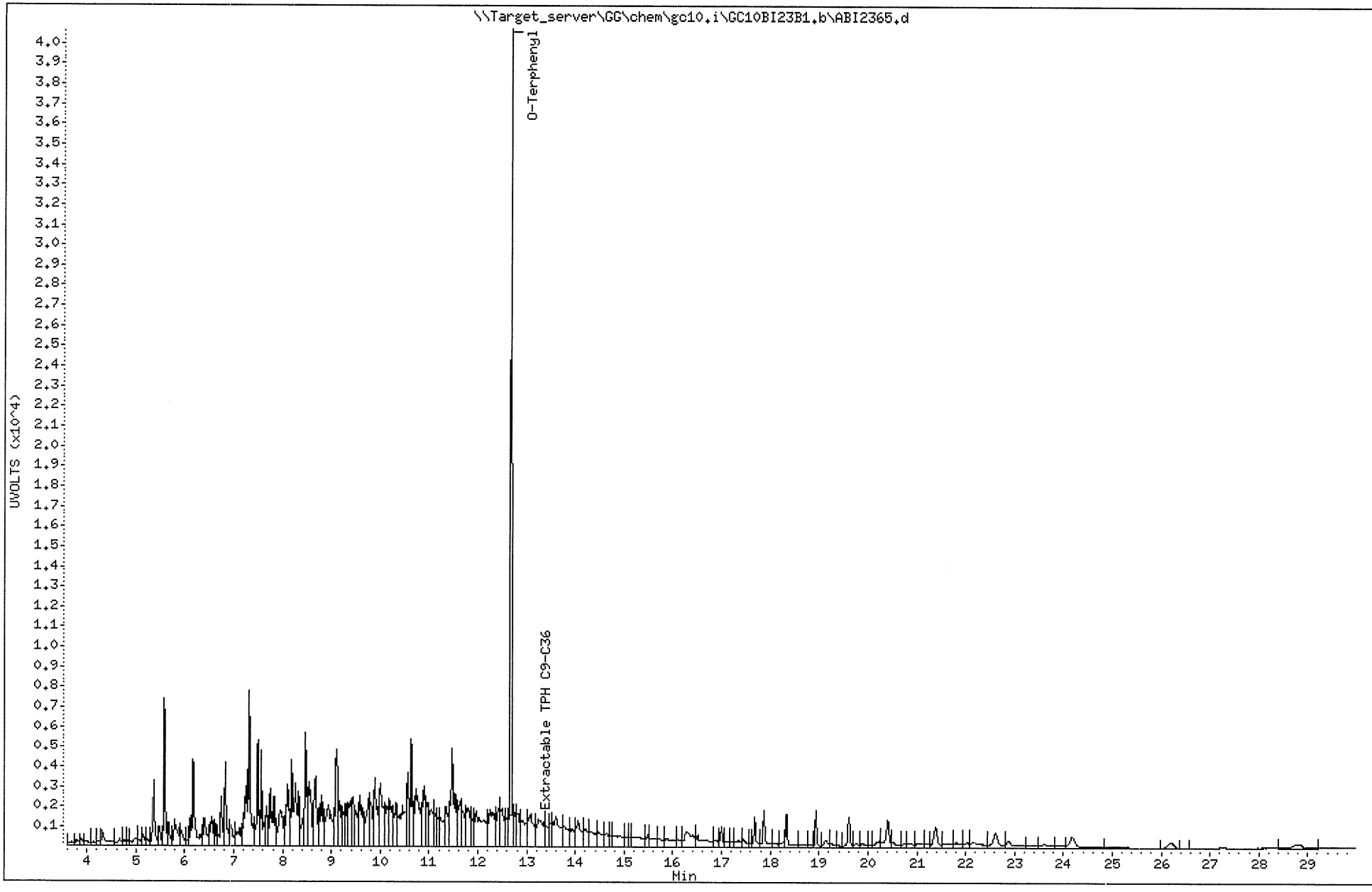
KGT 09/30/08

QC Flag Legend

M - Compound response manually integrated.

Data File: \\Target_server\GC\chem\gc10.i\GC10BI23B1.b\ABI2365.d
Date : 24-SEP-2008 04:02
Client ID: AWD-GW-MW202-090808
Sample Info: TPHB022A.M,GC10BI23B1.B,1,SB5084-9
Purge Volume: 1.0
Column phase: ZB-1

Instrument: gc10.i
Operator: KGT
Column diameter: 0.25



Katahdin Analytical Services 2000039

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 09/09/08
Received Date: 09/11/08
Extraction Date: 09/12/08
Analysis Date: 24-SEP-2008 04:41
Report Date: 09/30/2008
Matrix: WATER
% Solids: NA

Lab ID: SB5084-10
Client ID: D-GW-MW14-090908
SDG: CTO426-5
Extracted by: CB
Extraction Method: SW846 3510
Analyst: KGT
Analysis Method: SW846 M8015B
Lab Prep Batch: WG55625
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
	Extractable TPH C9-C36		120	1.0	75	71	37
	O-Terphenyl		48%				

Data File: \\Target_server\GG\chem\gc10.i\GC10BI23B1.b\ABI2366.d
Report Date: 30-Sep-2008 10:02

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gc10.i\GC10BI23B1.b\ABI2366.d
Lab Smp Id: SB5084-10 Client Smp ID: AWD-GW-MW14-090908
Inj Date : 24-SEP-2008 04:41
Operator : KGT Inst ID: gc10.i
Smp Info : TPHB022A.M,GC10BI23B1.B,1,SB5084-10
Misc Info : SW846 M8015B
Comment :
Method : \\TARGET_SERVER\GG\chem\gc10.i\GC10BI23B1.B\TPHB022A.m
Meth Date : 30-Sep-2008 09:56 ktang Quant Type: ESTD
Cal Date : 15-JUL-2008 18:38 Cal File: ABG2137.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: SW8015M-TPH.sub
Subtraction File: \\Target_server\GG\chem\gc10.i\GC10BI23B1.b\ABI2369.d
Target Version: 4.12
Processing Host: TARGET02

Concentration Formula: Amt * DF * (Vt/Vo)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00100	Final Volume (L)
Vo	1.060	Sample Volume (L)
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/L)	REVIEW CODE
$ 8 O-Terphenyl	12.666	12.697	-0.031	64173	9.65487	9.11(M)	M2
S 10 Extractable TPH C9-C36	4.102	-22.718		788835	128.359	121(M)	

KGT
093008

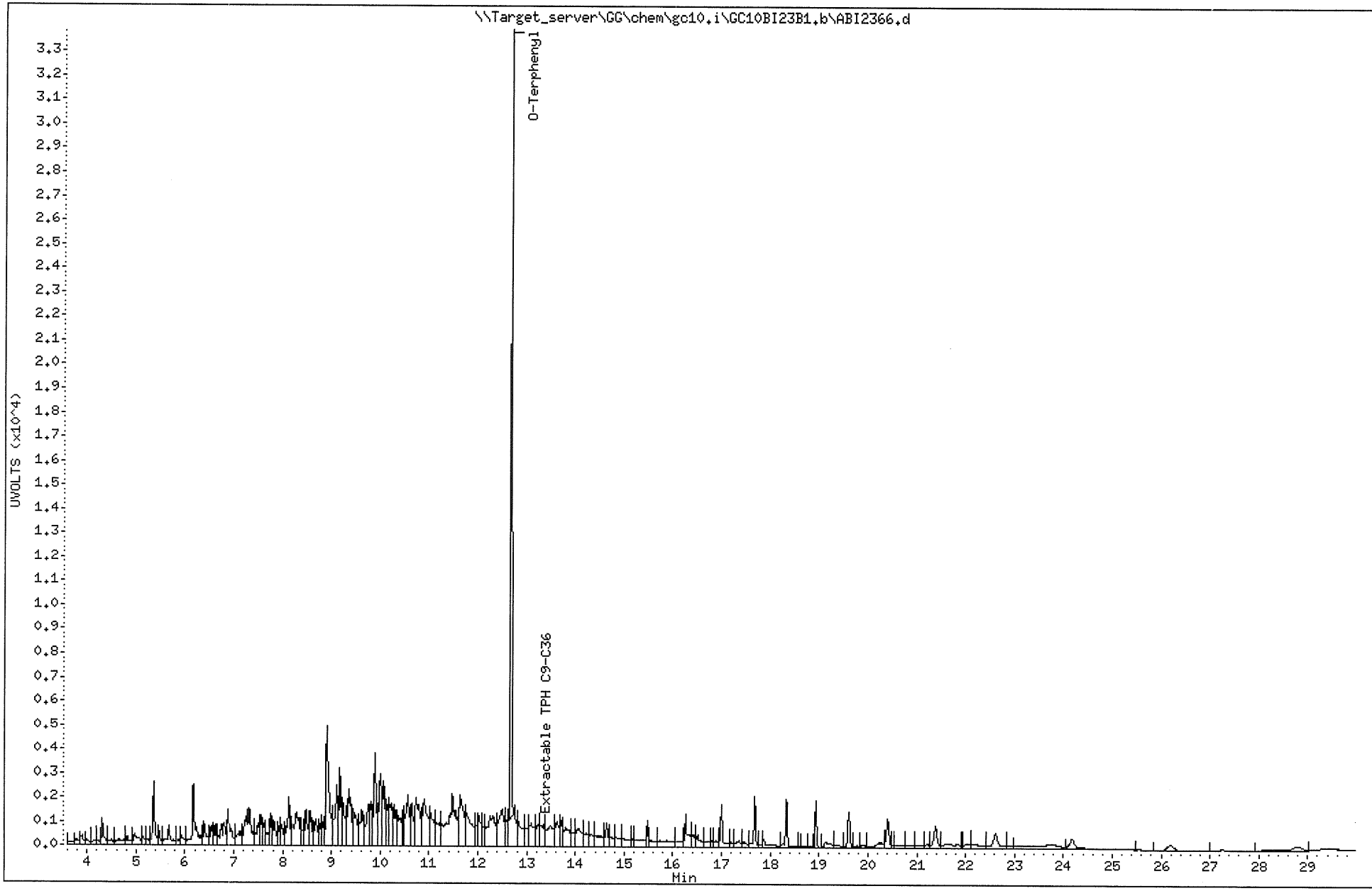
QC Flag Legend

M - Compound response manually integrated.

Data File: \\Target_server\GG\chem\gc10.i\GC10BI23B1.b\ABI2366.d
Date : 24-SEP-2008 04:41
Client ID: AWD-GW-MW14-090908
Sample Info: TPHB022A.M,GC10BI23B1.B,1,SB5084-10
Purge Volume: 1.1
Column phase: ZB-1

Instrument: gc10.i

Operator: KGT
Column diameter: 0.25



Katahdin Analytical Services 2000042

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 09/10/08
Received Date: 09/12/08
Extraction Date: 09/16/08
Analysis Date: 22-SEP-2008 18:26
Report Date: 09/29/2008
Matrix: WATER
% Solids: NA

Lab ID: SB5123-1
Client ID: AWD-GW-MWDUP02
SDG: CTO426-5
Extracted by: CB
Extraction Method: SW846 3510
Analyst: KGT
Analysis Method: SW846 M8015B
Lab Prep Batch: WG55724
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
	Extractable TPH C9-C36		180	1.0	75	74	38
	O-Terphenyl		80%				

Data File: \\Target_server\GG\chem\gc10.i\GC10BI22B1.b\ABI2324.d
Report Date: 30-Sep-2008 11:02

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gc10.i\GC10BI22B1.b\ABI2324.d
Lab Smp Id: SB5123-1 Client Smp ID: AWD-GW-MWDUP02
Inj Date : 22-SEP-2008 18:26
Operator : KGT Inst ID: gc10.i
Smp Info : TPHB022A.M,GC10BI22B1.B,1,SB5123-1
Misc Info : SW846 M8015B
Comment :
Method : \\TARGET_SERVER\GG\chem\gc10.i\GC10BI22B1.B\TPHB022A.m
Meth Date : 29-Sep-2008 10:19 ktang Quant Type: ESTD
Cal Date : 15-JUL-2008 18:38 Cal File: ABG2137.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: SW8015M-TPH.sub
Subtraction File: \\Target_server\GG\chem\gc10.i\GC10BI22B1.b\ABI2317.d
Target Version: 4.12
Processing Host: TARGET02

Concentration Formula: Amt * DF * (Vt/Vo)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00100	Final Volume (L)
Vo	1.020	Sample Volume (L)
Cpnd Variable		Local Compound Variable

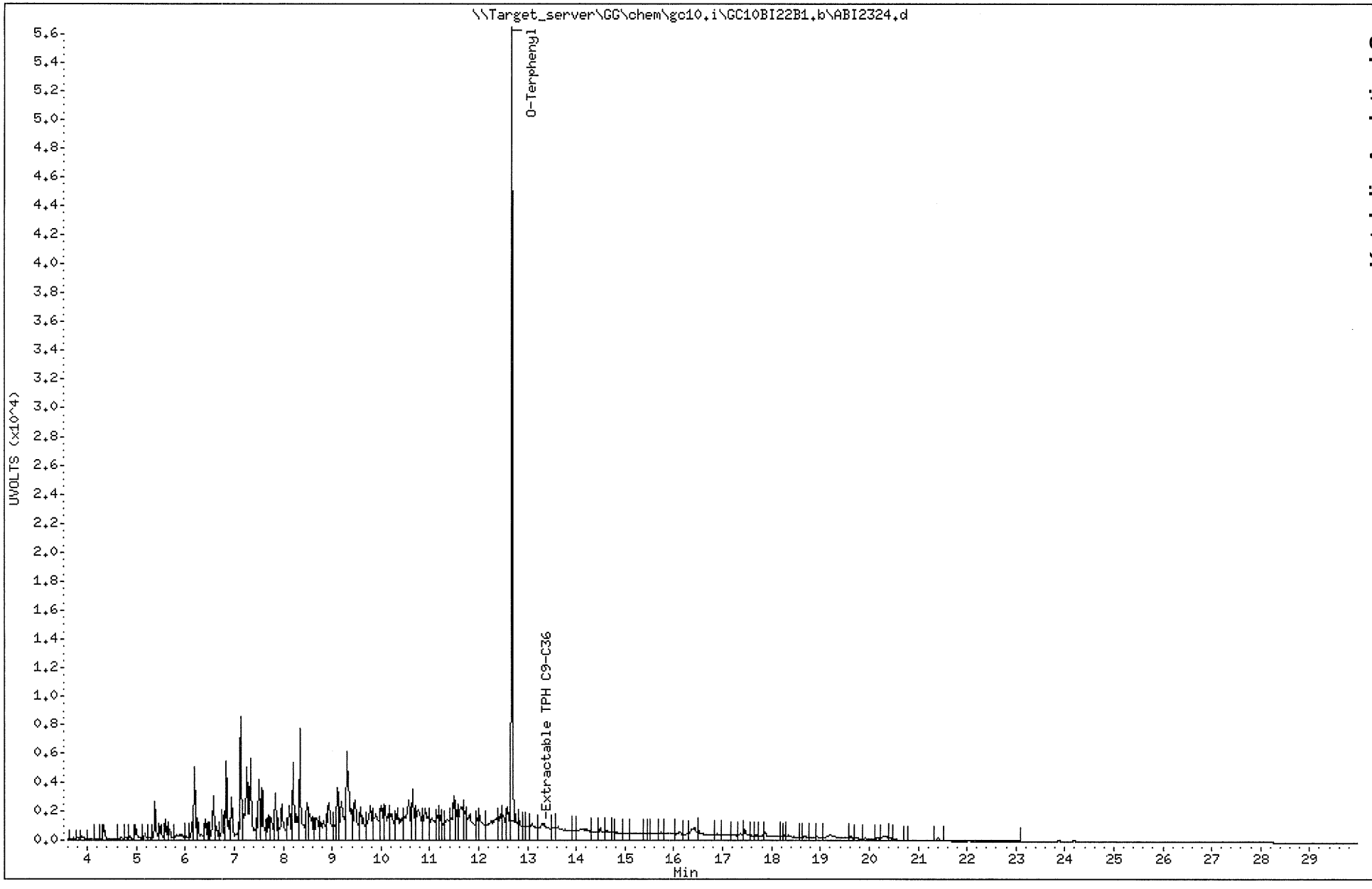
Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/L)	REVIEW CODE
$ 8 O-Terphenyl	12.680	12.697	-0.017	104551	16.0092	15.7(M)	M2
S 10 Extractable TPH C9-C36	4.102	-22.718		1093510	181.421	178(M)	

KGT
093008

QC Flag Legend

M - Compound response manually integrated.

Data File: \\Target_server\GG\chem\gc10.i\GC10BI22B1.b\ABI2324.d
Date : 22-SEP-2008 18:26
Client ID: AWD-GW-MWDUP02
Instrument: gc10.i
Sample Info: TPHB022A.M,GC10BI22B1.B,1,SB5123-1
Purge Volume: 1.0
Operator: KGT
Column phase: ZB-1
Column diameter: 0.25



Katahdin Analytical Services 2000045

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 09/10/08
Received Date: 09/12/08
Extraction Date: 09/16/08
Analysis Date: 22-SEP-2008 19:05
Report Date: 09/29/2008
Matrix: WATER
% Solids: NA

Lab ID: SB5123-2
Client ID: AWD-GW-MW102-091008
SDG: CTO426-5
Extracted by: CB
Extraction Method: SW846 3510
Analyst: KGT
Analysis Method: SW846 M8015B
Lab Prep Batch: WG55724
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
	Extractable TPH C9-C36		190	1.0	75	77	40
	O-Terphenyl		79%				

Data File: \\Target_server\GG\chem\gc10.i\GC10BI22B1.b\ABI2325.d
Report Date: 30-Sep-2008 11:02

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gc10.i\GC10BI22B1.b\ABI2325.d
Lab Smp Id: SB5123-2 Client Smp ID: AWD-GW-MW102-091008
Inj Date : 22-SEP-2008 19:05
Operator : KGT Inst ID: gc10.i
Smp Info : TPHB022A.M,GC10BI22B1.B,1,SB5123-2
Misc Info : SW846 M8015B
Comment :
Method : \\TARGET_SERVER\GG\chem\gc10.i\GC10BI22B1.B\TPHB022A.m
Meth Date : 29-Sep-2008 10:19 ktang Quant Type: ESTD
Cal Date : 15-JUL-2008 18:38 Cal File: ABG2137.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: SW8015M-TPH.sub
Subtraction File: \\Target_server\GG\chem\gc10.i\GC10BI22B1.b\ABI2317.d
Target Version: 4.12
Processing Host: TARGET02

Concentration Formula: Amt * DF * (Vt/Vo)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00100	Final Volume (L)
Vo	0.97000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/L)	REVIEW CODE
$ 8 O-Terphenyl	12.680	12.697	-0.017	103125	15.7848	16.3(M)	M2
S 10 Extractable TPH C9-C36	4.102	22.718		1109655	184.233	190(M)	

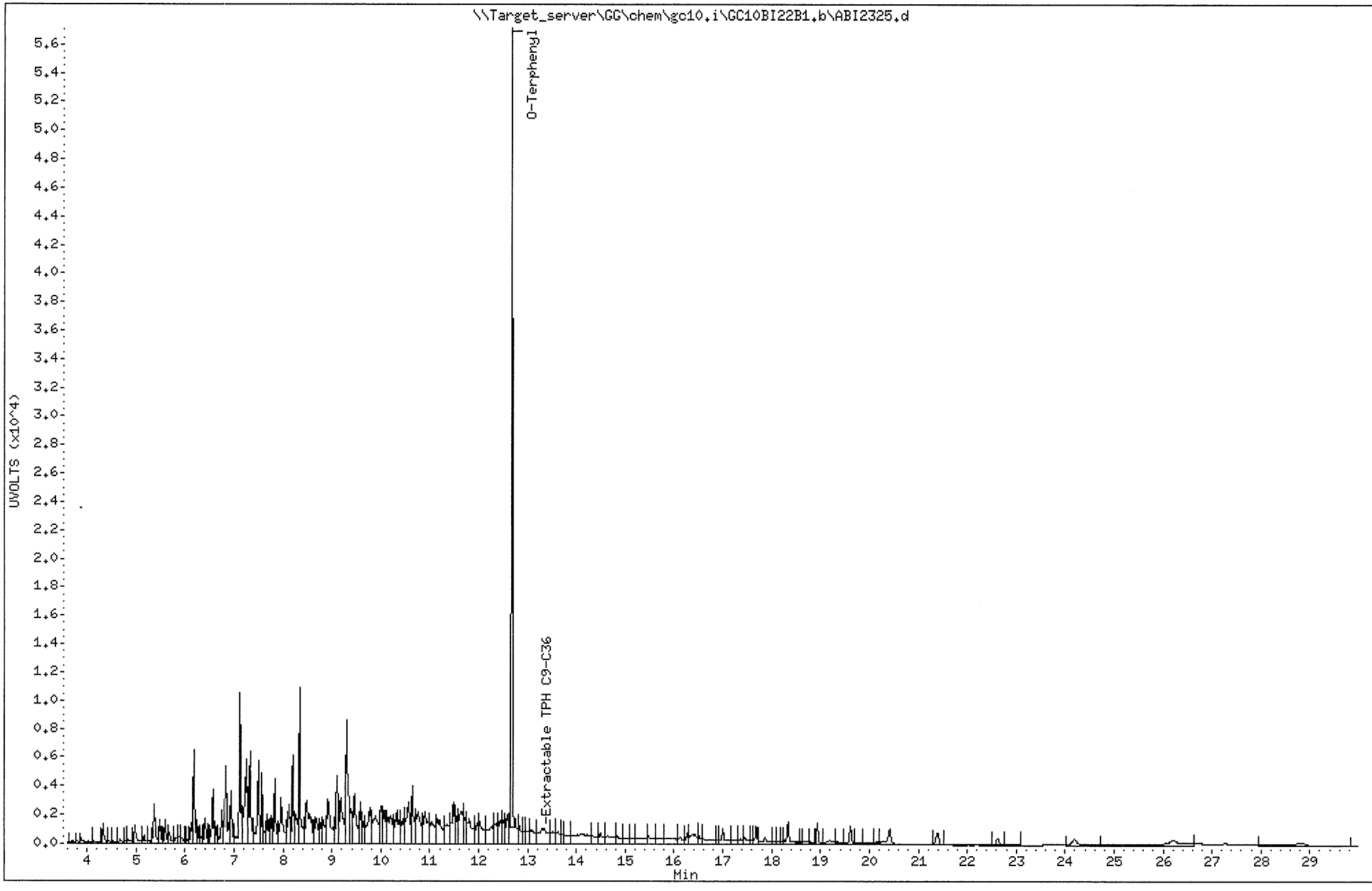
KGT
29 Sep 08

QC Flag Legend

M - Compound response manually integrated.

Data File: \\Target_server\GG\chem\gc10.i\GC10BI22B1.b\ABI2325.d
Date : 22-SEP-2008 19:05
Client ID: AWD-GW-MW102-091008
Sample Info: TPHB022A.M,GC10BI22B1.B,1,SB5123-2
Purge Volume: 1.0
Column phase: ZB-1

Instrument: gc10.i
Operator: KGT
Column diameter: 0.25



Katahdin Analytical Services 2000048

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 09/10/08
Received Date: 09/12/08
Extraction Date: 09/16/08
Analysis Date: 22-SEP-2008 19:44
Report Date: 09/29/2008
Matrix: WATER
% Solids: NA

Lab ID: SB5123-3
Client ID: AWD-GW-MW101-091008
SDG: CTO426-5
Extracted by: CB
Extraction Method: SW846 3510
Analyst: SJC
Analysis Method: SW846 M8015B
Lab Prep Batch: WG55724
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
	Extractable TPH C9-C36	U	72	1.0	75	72	38
	O-Terphenyl		87%				

Data File: \\Target_server\GG\chem\gc10.i\GC10BI22B1.b\ABI2326.d
Report Date: 30-Sep-2008 11:02

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gc10.i\GC10BI22B1.b\ABI2326.d
Lab Smp Id: SB5123-3 Client Smp ID: AWD-GW-MW101-091008
Inj Date : 22-SEP-2008 19:44
Operator : SJC Inst ID: gc10.i
Smp Info : TPHB022A.M,GC10BI22B1.B,1,SB5123-3
Misc Info : SW846 M8015B
Comment :
Method : \\TARGET_SERVER\GG\chem\gc10.i\GC10BI22B1.B\TPHB022A.m
Meth Date : 29-Sep-2008 10:19 ktang Quant Type: ESTD
Cal Date : 15-JUL-2008 18:38 Cal File: ABG2137.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: SW8015M-TPH.sub
Subtraction File: \\Target_server\GG\chem\gc10.i\GC10BI22B1.b\ABI2317.d
Target Version: 4.12
Processing Host: TARGET02

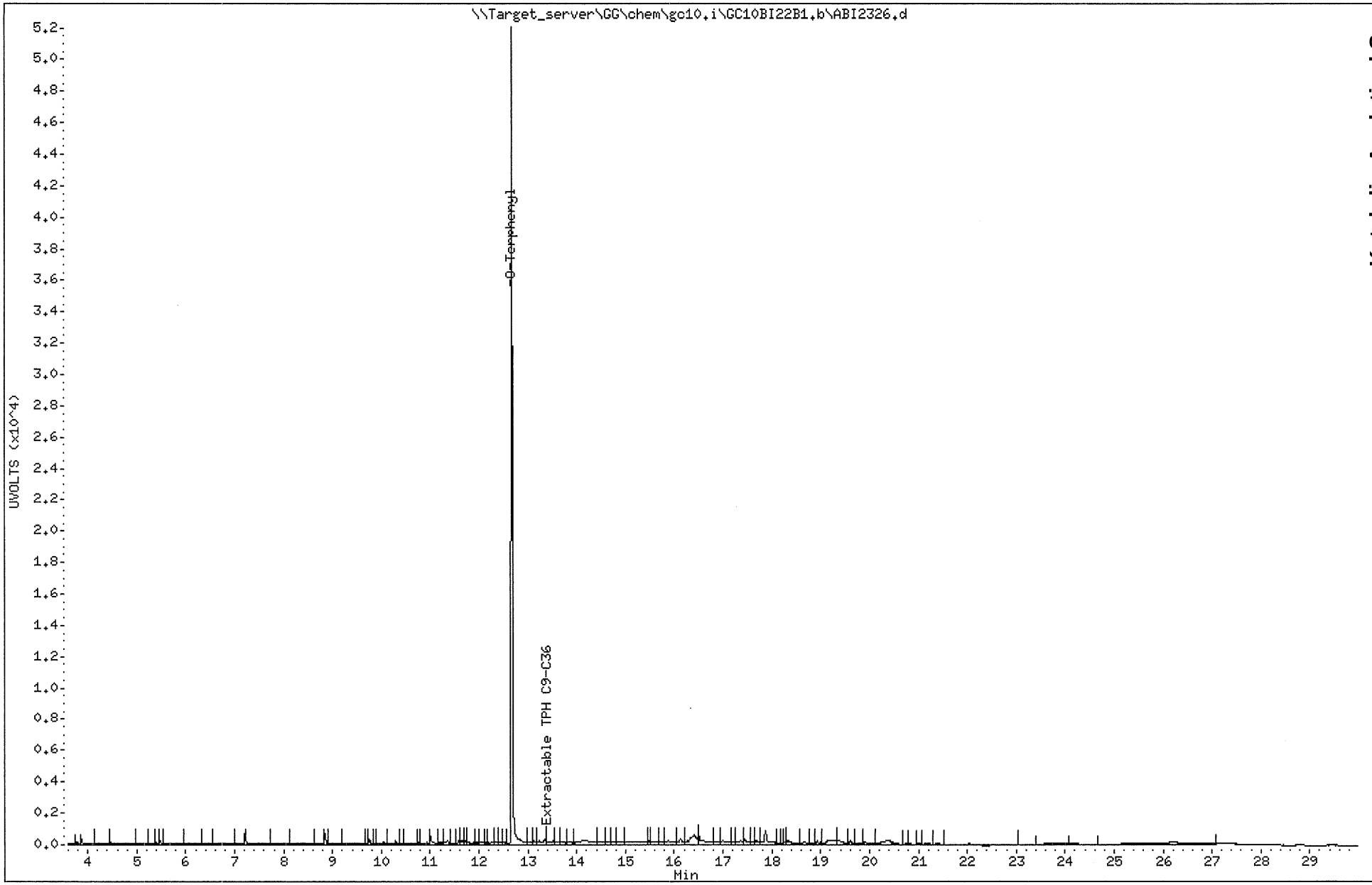
Concentration Formula: Amt * DF * (Vt/Vo)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00100	Final Volume (L)
Vo	1.040	Sample Volume (L)
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/L)	REVIEW CODE
$ 8 O-Terphenyl	12.677	12.697	-0.020	112919	17.3261	16.6	

Data File: \\Target_server\GG\chem\gc10.i\GC10BI22B1.b\ABI2326.d
Date : 22-SEP-2008 19:44
Client ID: AWD-GW-MW101-091008
Sample Info: TPHB022A.M,GC10BI22B1.B,1,SB5123-3
Purge Volume: 1.0
Column phase: ZB-1

Instrument: gc10.i
Operator: SJC
Column diameter: 0.25



Katahdin Analytical Services 2000051

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 09/10/08
Received Date: 09/12/08
Extraction Date: 09/16/08
Analysis Date: 22-SEP-2008 20:22
Report Date: 09/29/2008
Matrix: WATER
% Solids: NA

Lab ID: SB5123-4
Client ID: AWD-GW-MW305-091008
SDG: CTO426-5
Extracted by: CB
Extraction Method: SW846 3510
Analyst: SJC
Analysis Method: SW846 M8015B
Lab Prep Batch: WG55724
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
	Extractable TPH C9-C36		110	1.0	75	71	37
	O-Terphenyl		66%				

Data File: \\Target_server\GG\chem\gc10.i\GC10BI22B1.b\ABI2327.d
Report Date: 30-Sep-2008 11:02

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gc10.i\GC10BI22B1.b\ABI2327.d
Lab Smp Id: SB5123-4 Client Smp ID: AWD-GW-MW305-091008
Inj Date : 22-SEP-2008 20:22
Operator : SJC Inst ID: gc10.i
Smp Info : TPHB022A.M,GC10BI22B1.B,1,SB5123-4
Misc Info : SW846 M8015B
Comment :
Method : \\TARGET_SERVER\GG\chem\gc10.i\GC10BI22B1.B\TPHB022A.m
Meth Date : 29-Sep-2008 10:19 ktang Quant Type: ESTD
Cal Date : 15-JUL-2008 18:38 Cal File: ABG2137.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: SW8015M-TPH.sub
Subtraction File: \\Target_server\GG\chem\gc10.i\GC10BI22B1.b\ABI2317.d
Target Version: 4.12
Processing Host: TARGET02

Concentration Formula: Amt * DF * (Vt/Vo)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00100	Final Volume (L)
Vo	1.060	Sample Volume (L)
Cpnd Variable		Local Compound Variable

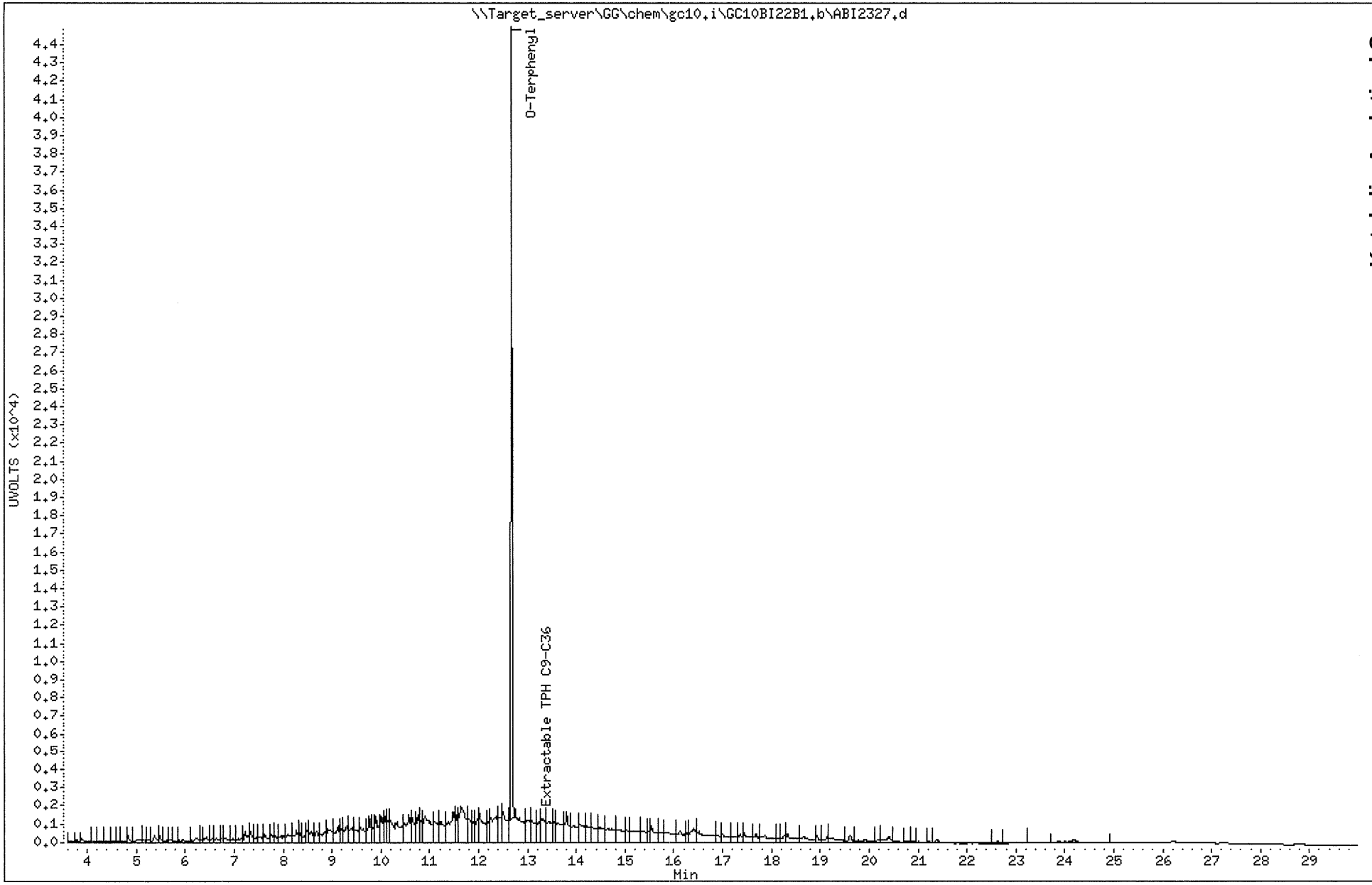
Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/L)	REVIEW CODE
$ 8 O-Terphenyl	12.680	12.697	-0.017	86353	13.1454	12.4(M)	M2
S 10 Extractable TPH C9-C36	4.102	22.718		695456	112.096	106(M)	

KGS
093008

QC Flag Legend

M - Compound response manually integrated.

Data File: \\Target_server\GC\chem\gc10.i\GC10BI22B1.b\ABI2327.d
Date : 22-SEP-2008 20:22
Client ID: AWD-GW-MW305-091008 Instrument: gc10.i
Sample Info: TPHB022A.M,GC10BI22B1.B,1,SB5123-4
Purge Volume: 1.1 Operator: SJC
Column phase: ZB-1 Column diameter: 0.25



Katahdin Analytical Services 2000054

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 09/10/08
Received Date: 09/12/08
Extraction Date: 09/16/08
Analysis Date: 22-SEP-2008 21:01
Report Date: 09/29/2008
Matrix: WATER
% Solids: NA

Lab ID: SB5123-5
Client ID: AWD-GW-MW404-091008
SDG: CTO426-5
Extracted by: CB
Extraction Method: SW846 3510
Analyst: SJC
Analysis Method: SW846 M8015B
Lab Prep Batch: WG55724
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
	Extractable TPH C9-C36	U	74	1.0	75	74	39
	O-Terphenyl		70%				

Data File: \\Target_server\GG\chem\gc10.i\GC10BI22B1.b\ABI2328.d
Report Date: 30-Sep-2008 11:02

Katahdin Analytical Services

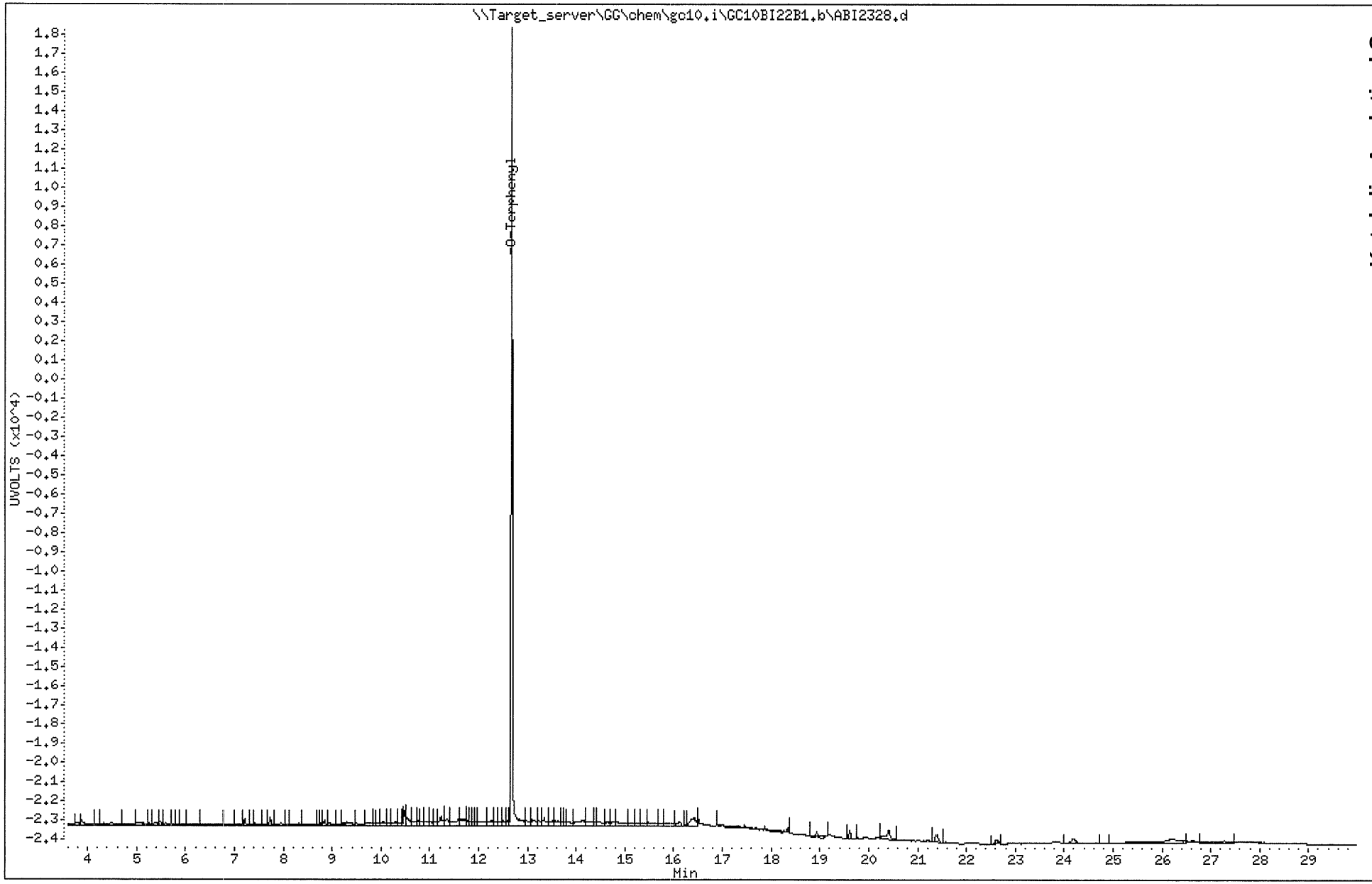
Data file : \\Target_server\GG\chem\gc10.i\GC10BI22B1.b\ABI2328.d
Lab Smp Id: SB5123-5 Client Smp ID: AWD-GW-MW404-091008
Inj Date : 22-SEP-2008 21:01
Operator : SJC Inst ID: gc10.i
Smp Info : TPHB022A.M,GC10BI22B1.B,1,SB5123-5
Misc Info : SW846 M8015B
Comment :
Method : \\TARGET_SERVER\GG\chem\gc10.i\GC10BI22B1.B\TPHB022A.m
Meth Date : 29-Sep-2008 10:19 ktang Quant Type: ESTD
Cal Date : 15-JUL-2008 18:38 Cal File: ABG2137.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: SW8015M-TPH.sub
Subtraction File: \\Target_server\GG\chem\gc10.i\GC10BI22B1.b\ABI2317.d
Target Version: 4.12
Processing Host: TARGET02

Concentration Formula: Amt * DF * (Vt/Vo)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00100	Final Volume (L)
Vo	1.010	Sample Volume (L)
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/L)	REVIEW CODE
$ 8 O-Terphenyl	12.676	12.697	-0.021	91327	13.9281	13.8	

Data File: \\Target_server\GC\chem\gc10.i\GC10BI22B1.b\ABI2328.d
Date : 22-SEP-2008 21:01
Client ID: AWD-GW-MW404-091008
Instrument: gc10.i
Sample Info: TPHB022A.M,GC10BI22B1.B,1,SB5123-5
Purge Volume: 1.0
Operator: SJC
Column phase: ZB-1
Column diameter: 0.25



Katahdin Analytical Services 2000057

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 09/10/08
Received Date: 09/12/08
Extraction Date: 09/16/08
Analysis Date: 22-SEP-2008 21:39
Report Date: 09/29/2008
Matrix: WATER
% Solids: NA

Lab ID: SB5123-6
Client ID: AWD-GW-MW304-091008
SDG: CTO426-5
Extracted by: CB
Extraction Method: SW846 3510
Analyst: SJC
Analysis Method: SW846 M8015B
Lab Prep Batch: WG55724
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
	Extractable TPH C9-C36		200	1.0	75	75	39
	O-Terphenyl		58%				

Data File: \\Target_server\GG\chem\gc10.i\GC10BI22B1.b\ABI2329.d
Report Date: 30-Sep-2008 11:02

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gc10.i\GC10BI22B1.b\ABI2329.d
Lab Smp Id: SB5123-6 Client Smp ID: AWD-GW-MW304-091008
Inj Date : 22-SEP-2008 21:39
Operator : SJC Inst ID: gc10.i
Smp Info : TPHB022A.M,GC10BI22B1.B,1,SB5123-6
Misc Info : SW846 M8015B
Comment :
Method : \\TARGET_SERVER\GG\chem\gc10.i\GC10BI22B1.B\TPHB022A.m
Meth Date : 29-Sep-2008 10:19 ktang Quant Type: ESTD
Cal Date : 15-JUL-2008 18:38 Cal File: ABG2137.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: SW8015M-TPH.sub
Subtraction File: \\Target_server\GG\chem\gc10.i\GC10BI22B1.b\ABI2317.d
Target Version: 4.12
Processing Host: TARGET02

Concentration Formula: Amt * DF * (Vt/Vo)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00100	Final Volume (L)
Vo	1.000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

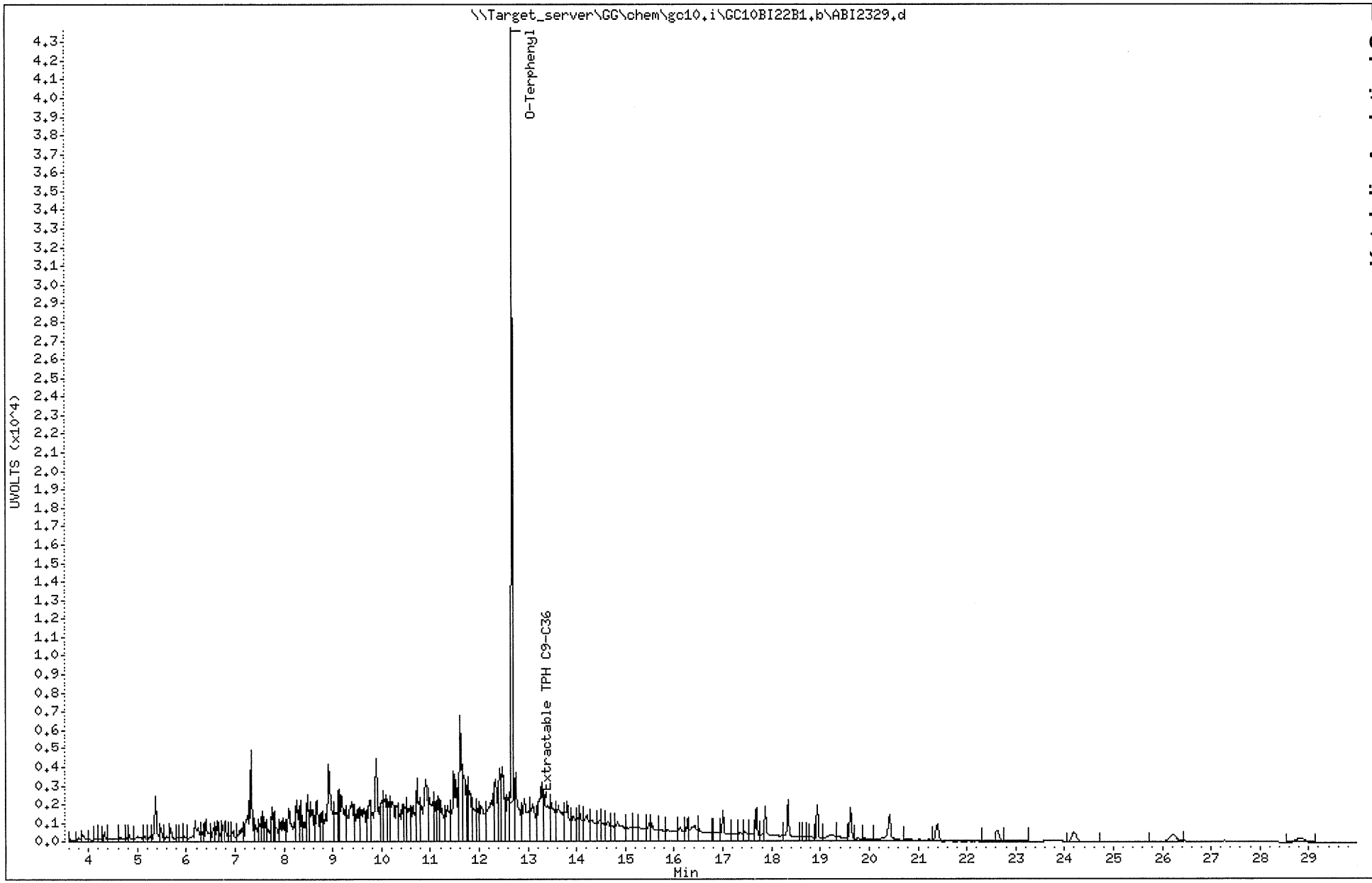
Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/L)	REVIEW CODE
$ 8 O-Terphenyl	12.680	12.697	-0.017	76817	11.6447	11.6(M)	M2
S 10 Extractable TPH C9-C36	4.102-22.718			1207775	201.322	201(M)	

KGS
093008

QC Flag Legend

M - Compound response manually integrated.

Data File: \\Target_server\GG\chem\gc10.i\GC10BI22B1.b\ABI2329.d
Date : 22-SEP-2008 21:39
Client ID: AWD-GW-MW304-091008 Instrument: gc10.i
Sample Info: TPHB022A.M,GC10BI22B1.B,1,SB5123-6
Purge Volume: 1.0 Operator: SJC
Column phase: ZB-1 Column diameter: 0.25



Katahdin Analytical Services 2000060

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 09/10/08
Received Date: 09/12/08
Extraction Date: 09/16/08
Analysis Date: 22-SEP-2008 22:18
Report Date: 09/29/2008
Matrix: WATER
% Solids: NA

Lab ID: SB5123-7
Client ID: AWD-GW-MW402-091008
SDG: CTO426-5
Extracted by: CB
Extraction Method: SW846 3510
Analyst: SJC
Analysis Method: SW846 M8015B
Lab Prep Batch: WG55724
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
	Extractable TPH C9-C36		750	1.0	75	76	40
	O-Terphenyl		68%				

Data File: \\Target_server\GG\chem\gc10.i\GC10BI22B1.b\ABI2330.d
Report Date: 30-Sep-2008 11:02

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gc10.i\GC10BI22B1.b\ABI2330.d
Lab Smp Id: SB5123-7 Client Smp ID: AWD-GW-MW402-091008
Inj Date : 22-SEP-2008 22:18
Operator : SJC Inst ID: gc10.i
Smp Info : TPHB022A.M,GC10BI22B1.B,1,SB5123-7
Misc Info : SW846 M8015B
Comment :
Method : \\TARGET_SERVER\GG\chem\gc10.i\GC10BI22B1.B\TPHB022A.m
Meth Date : 29-Sep-2008 10:19 ktang Quant Type: ESTD
Cal Date : 15-JUL-2008 18:38 Cal File: ABG2137.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: SW8015M-TPH.sub
Subtraction File: \\Target_server\GG\chem\gc10.i\GC10BI22B1.b\ABI2317.d
Target Version: 4.12
Processing Host: TARGET02

Concentration Formula: Amt * DF * (Vt/Vo)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00100	Final Volume (L)
Vo	0.98000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/L)	REVIEW CODE
$ 8 O-Terphenyl	12.680	12.697	-0.017	89719	13.6751	14.0(M)	M2
S 10 Extractable TPH C9-C36	4.102	-22.718		4267645	734.228	749(M)	

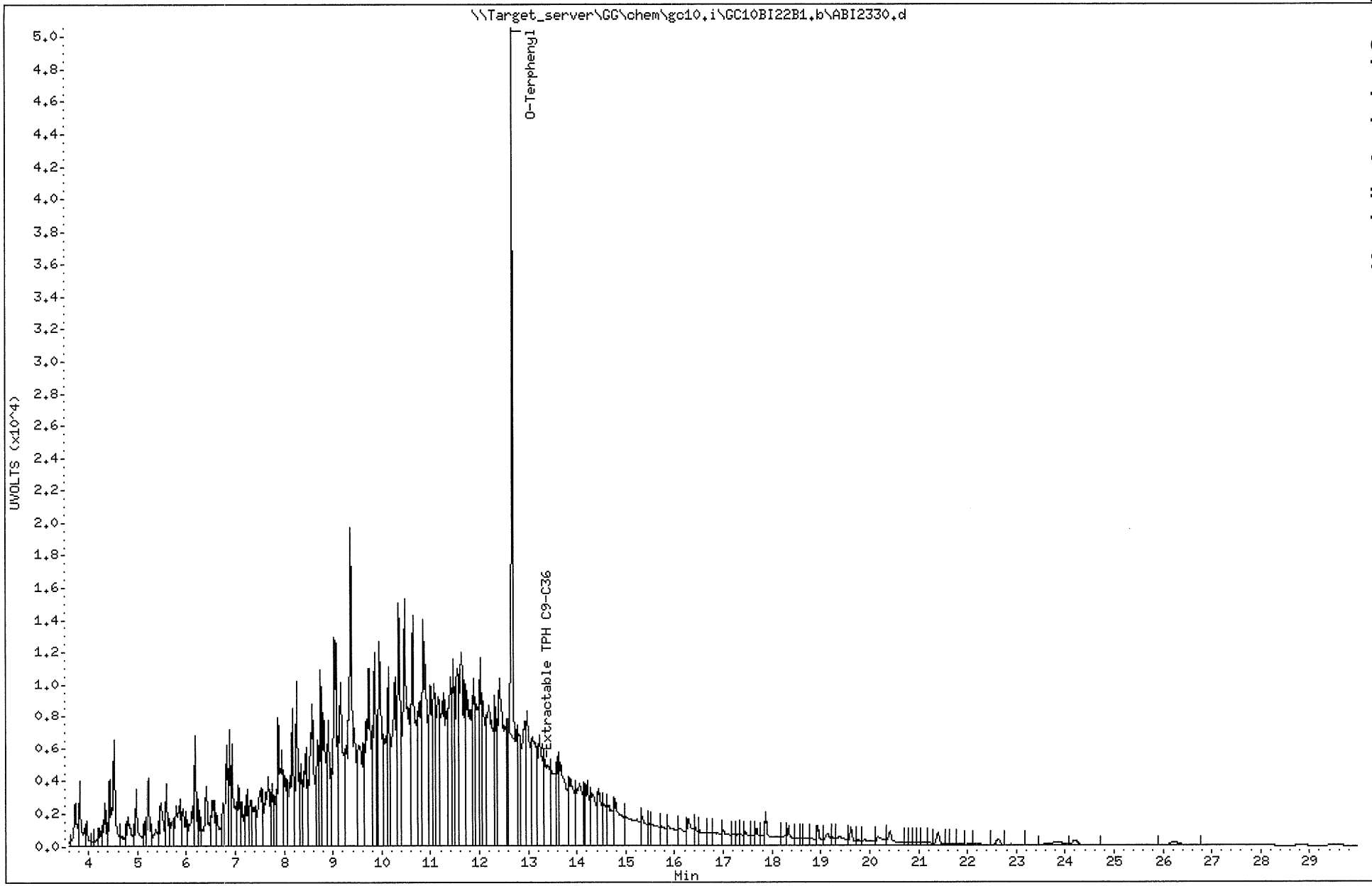
KGT 093008

QC Flag Legend

M - Compound response manually integrated.

Data File: \\Target_server\GG\chem\gc10.i\GC10BI22B1.b\ABI2330.d
Date : 22-SEP-2008 22:18
Client ID: AWD-GW-MW402-091008
Sample Info: TPHB022A.M,GC10BI22B1.B,1,SB5123-7
Purge Volume: 1.0
Column phase: ZB-1

Instrument: gc10.i
Operator: SJC
Column diameter: 0.25



Katahdin Analytical Services 2000063

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 09/10/08
Received Date: 09/12/08
Extraction Date: 09/16/08
Analysis Date: 23-SEP-2008 00:52
Report Date: 09/29/2008
Matrix: WATER
% Solids: NA

Lab ID: SB5123-8
Client ID: AWD-GW-MW403-091008
SDG: CTO426-5
Extracted by: CB
Extraction Method: SW846 3510
Analyst: SJC
Analysis Method: SW846 M8015B
Lab Prep Batch: WG55724
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
	Extractable TPH C9-C36		140	1.0	75	79	41
	O-Terphenyl		70%				

Data File: \\Target_server\GG\chem\gc10.i\GC10BI22B1.b\ABI2334.d
Report Date: 30-Sep-2008 11:02

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gc10.i\GC10BI22B1.b\ABI2334.d
Lab Smp Id: SB5123-8 Client Smp ID: AWD-GW-MW403-091008
Inj Date : 23-SEP-2008 00:52
Operator : SJC Inst ID: gc10.i
Smp Info : TPHB022A.M,GC10BI22B1.B,1,SB5123-8
Misc Info : SW846 M8015B
Comment :
Method : \\TARGET_SERVER\GG\chem\gc10.i\GC10BI22B1.B\TPHB022A.m
Meth Date : 29-Sep-2008 10:19 ktang Quant Type: ESTD
Cal Date : 15-JUL-2008 18:38 Cal File: ABG2137.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: SW8015M-TPH.sub
Subtraction File: \\Target_server\GG\chem\gc10.i\GC10BI22B1.b\ABI2332.d
Target Version: 4.12
Processing Host: TARGET02

Concentration Formula: Amt * DF * (Vt/Vo)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00100	Final Volume (L)
Vo	0.95000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

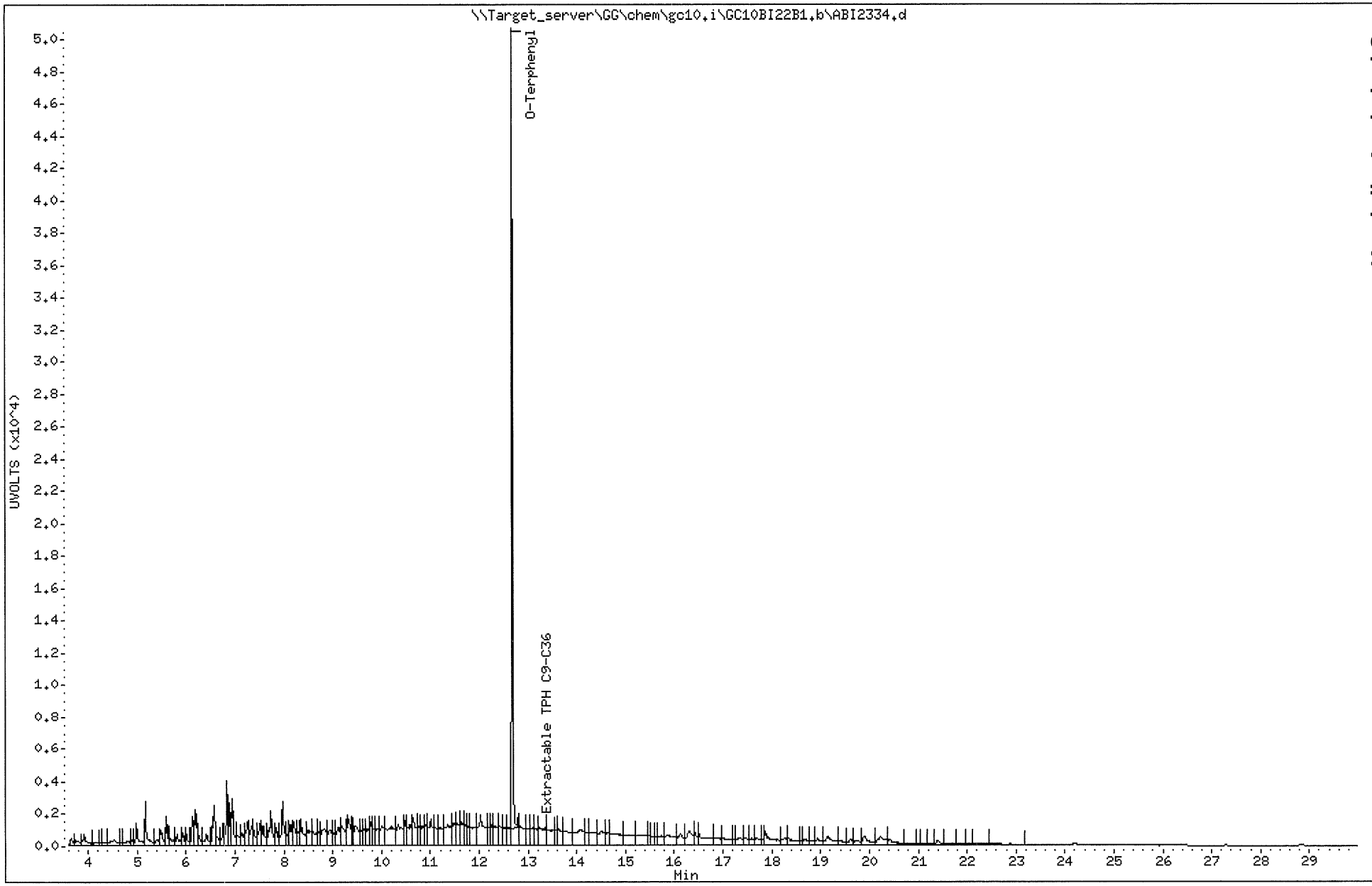
Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/L)	REVIEW CODE
$ 8 O-Terphenyl	12.680	12.697	-0.017	92192	14.0642	14.8(M)	M2 KA 093008
S 10 Extractable TPH C9-C36	4.102-22.718			818100	133.456	140(M)	

QC Flag Legend

M - Compound response manually integrated.

Data File: \\Target_server\GG\chem\gc10.i\GC10BI22B1.b\ABI2334.d
Date : 23-SEP-2008 00:52
Client ID: AWD-GW-MW403-091008
Sample Info: TPHB022A.M,GC10BI22B1.B,1,SB5123-8
Purge Volume: 0.9
Column phase: ZB-1

Instrument: gc10.i
Operator: SJC
Column diameter: 0.25



Katahdin Analytical Services 2000066

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 09/10/08
Received Date: 09/12/08
Extraction Date: 09/16/08
Analysis Date: 23-SEP-2008 01:31
Report Date: 09/29/2008
Matrix: WATER
% Solids: NA

Lab ID: SB5123-9
Client ID: AWD-GW-MW401-091008
SDG: CTO426-5
Extracted by: CB
Extraction Method: SW846 3510
Analyst: SJC
Analysis Method: SW846 M8015B
Lab Prep Batch: WG55724
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
	Extractable TPH C9-C36	U	76	1.0	75	76	39
	O-Terphenyl		67%				

Data File: \\Target_server\GG\chem\gc10.i\GC10BI22B1.b\ABI2335.d
Report Date: 30-Sep-2008 11:02

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gc10.i\GC10BI22B1.b\ABI2335.d
Lab Smp Id: SB5123-9 Client Smp ID: AWD-GW-MW401-091008
Inj Date : 23-SEP-2008 01:31
Operator : SJC Inst ID: gc10.i
Smp Info : TPHB022A.M,GC10BI22B1.B,1,SB5123-9
Misc Info : SW846 M8015B
Comment :
Method : \\TARGET_SERVER\GG\chem\gc10.i\GC10BI22B1.B\TPHB022A.m
Meth Date : 29-Sep-2008 10:19 ktang Quant Type: ESTD
Cal Date : 15-JUL-2008 18:38 Cal File: ABG2137.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: SW8015M-TPH.sub
Subtraction File: \\Target_server\GG\chem\gc10.i\GC10BI22B1.b\ABI2332.d
Target Version: 4.12
Processing Host: TARGET02

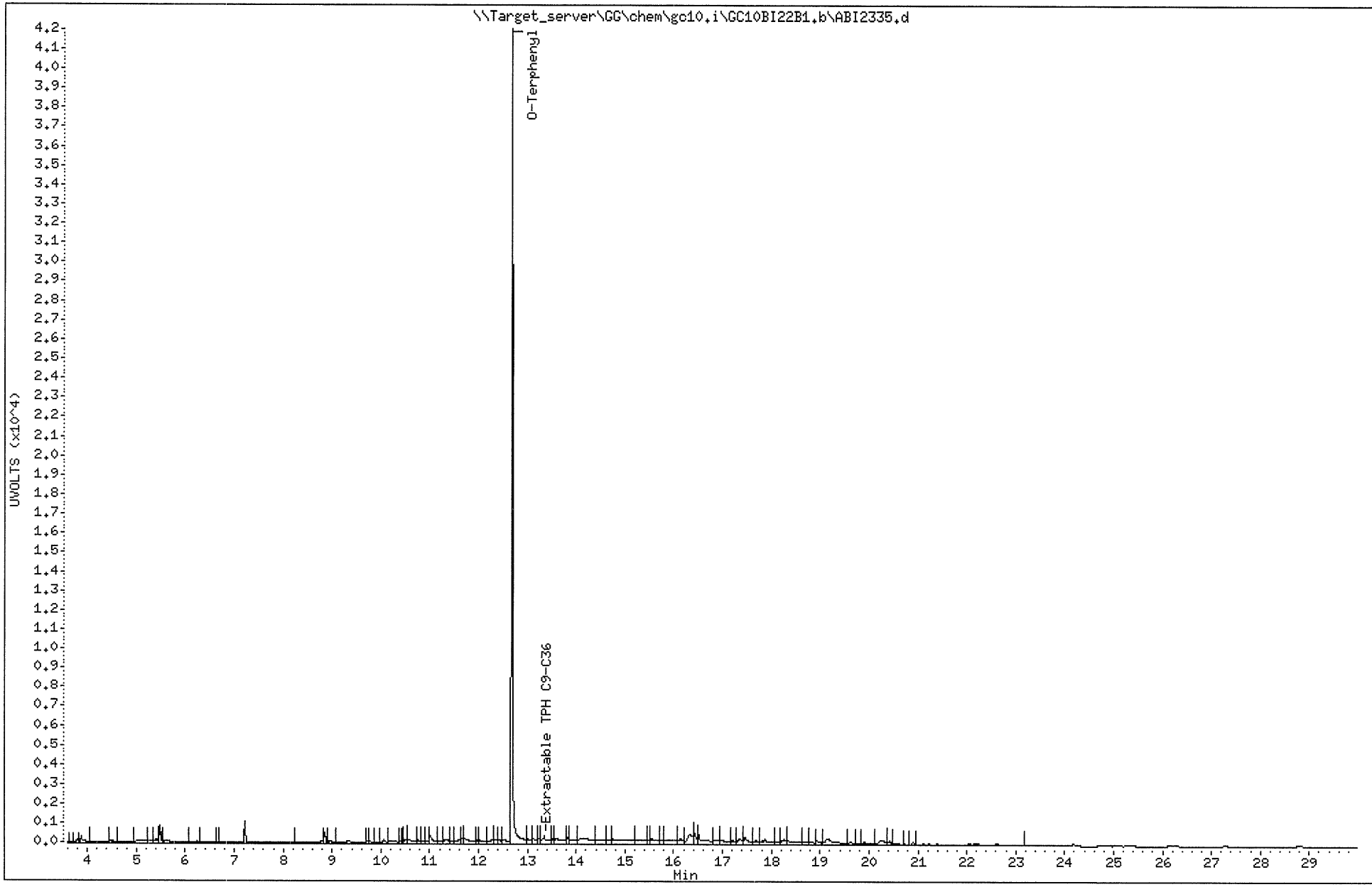
Concentration Formula: Amt * DF * (Vt/Vo)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00100	Final Volume (L)
Vo	0.99000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/L)	REVIEW CODE
$ 8 O-Terphenyl	12.680	12.697	-0.017	88417	13.4702	13.6	

Data File: \\Target_server\GG\chem\gc10.i\GC10BI22B1.b\ABI2335.d
Date : 23-SEP-2008 01:31
Client ID: AWD-GW-MW401-091008
Sample Info: TPHB022A.M,GC10BI22B1.B,1,SB5123-9
Purge Volume: 1.0
Column phase: ZB-1

Instrument: gc10.i
Operator: SJC
Column diameter: 0.25



Katahdin Analytical Services 2000069

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 09/10/08
Received Date: 09/12/08
Extraction Date: 09/16/08
Analysis Date: 23-SEP-2008 02:09
Report Date: 10/01/2008
Matrix: WATER
% Solids: NA

Lab ID: SB5123-10
Client ID: AWD-GW-MW104-091008
SDG: CTO426-5
Extracted by: CB
Extraction Method: SW846 3510
Analyst: SJC
Analysis Method: SW846 M8015B
Lab Prep Batch: WG55724
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
	Extractable TPH C9-C36	U	74	1.0	75	74	39
	O-Terphenyl		83%				

Data File: \\Target_server\GG\chem\gc10.i\GC10BI22B1.b\ABI2336.d
Report Date: 30-Sep-2008 11:03

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gc10.i\GC10BI22B1.b\ABI2336.d
Lab Smp Id: SB5123-10 Client Smp ID: AWD-GW-MW104-091008
Inj Date : 23-SEP-2008 02:09
Operator : SJC Inst ID: gc10.i
Smp Info : TPHB022A.M,GC10BI22B1.B,1,SB5123-10
Misc Info : SW846 M8015B
Comment :
Method : \\TARGET_SERVER\GG\chem\gc10.i\GC10BI22B1.B\TPHB022A.m
Meth Date : 29-Sep-2008 10:19 ktang Quant Type: ESTD
Cal Date : 15-JUL-2008 18:38 Cal File: ABG2137.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: SW8015M-TPH.sub
Subtraction File: \\Target_server\GG\chem\gc10.i\GC10BI22B1.b\ABI2332.d
Target Version: 4.12
Processing Host: TARGET02

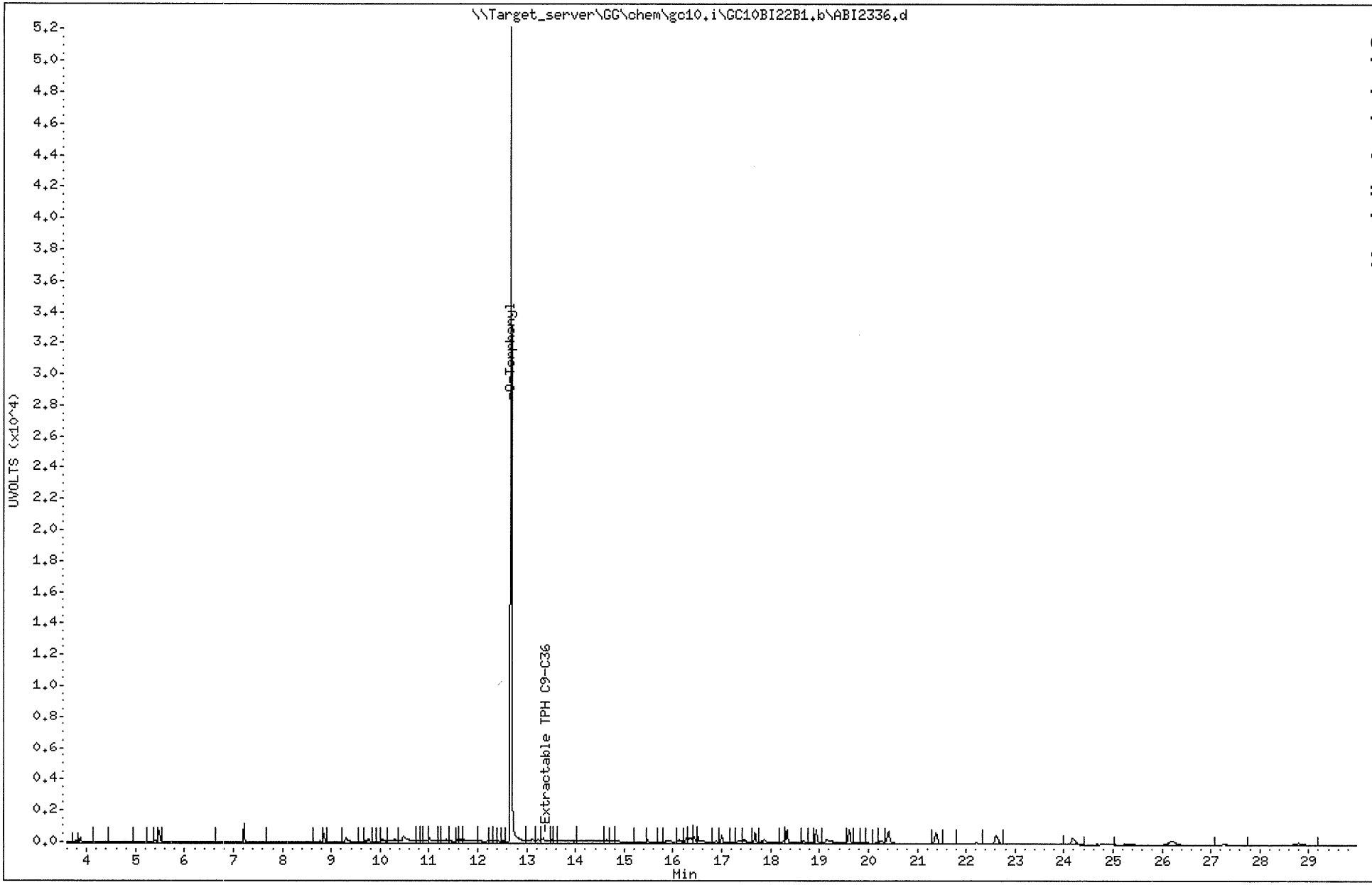
Concentration Formula: Amt * DF * (Vt/Vo)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00100	Final Volume (L)
Vo	1.010	Sample Volume (L)
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/L)	REVIEW CODE
$ 8 O-Terphenyl	12.678	12.697	-0.019	108024	16.5557	16.4	

Data File: \\Target_server\GG\chem\gc10.i\GC10BI22B1.b\ABI2336.d
Date : 23-SEP-2008 02:09
Client ID: AWD-GW-MW104-091008
Sample Info: TPHB022A.M,GC10BI22B1.B,1,SB5123-10
Purge Volume: 1.0
Column phase: ZB-1

Instrument: gc10.i
Operator: SJC
Column diameter: 0.25



Katahdin Analytical Services 2000072

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 09/10/08
Received Date: 09/12/08
Extraction Date: 09/16/08
Analysis Date: 23-SEP-2008 02:48
Report Date: 10/01/2008
Matrix: WATER
% Solids: NA

Lab ID: SB5123-11
Client ID: AWD-GW-MW103-091008
SDG: CTO426-5
Extracted by: CB
Extraction Method: SW846 3510
Analyst: SJC
Analysis Method: SW846 M8015B
Lab Prep Batch: WG55724
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
	Extractable TPH C9-C36	U	71	1.0	75	71	37
	O-Terphenyl		81%				

Data File: \\Target_server\GG\chem\gc10.i\GC10BI22B1.b\ABI2337.d
Report Date: 30-Sep-2008 11:03

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gc10.i\GC10BI22B1.b\ABI2337.d
Lab Smp Id: SB5123-11 Client Smp ID: AWD-GW-MW103-091008
Inj Date : 23-SEP-2008 02:48
Operator : SJC Inst ID: gc10.i
Smp Info : TPHB022A.M,GC10BI22B1.B,1,SB5123-11
Misc Info : SW846 M8015B
Comment :
Method : \\TARGET_SERVER\GG\chem\gc10.i\GC10BI22B1.B\TPHB022A.m
Meth Date : 29-Sep-2008 10:19 ktang Quant Type: ESTD
Cal Date : 15-JUL-2008 18:38 Cal File: ABG2137.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: SW8015M-TPH.sub
Subtraction File: \\Target_server\GG\chem\gc10.i\GC10BI22B1.b\ABI2332.d
Target Version: 4.12
Processing Host: TARGET02

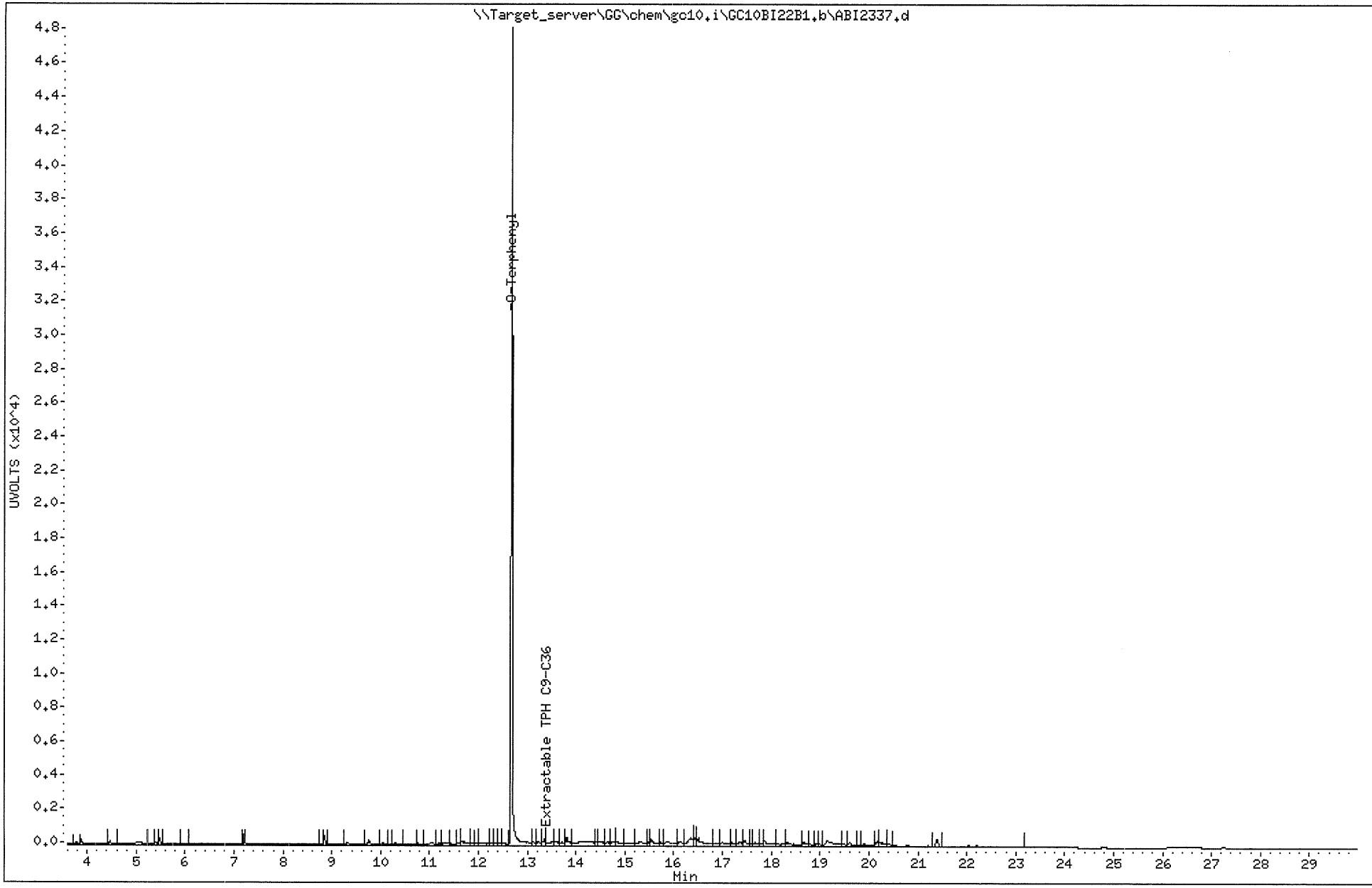
Concentration Formula: Amt * DF * (Vt/Vo)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00100	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)	REVIEW CODE
$ 8 O-Terphenyl	12.677	12.697	-0.020	106143	16.2597	15.5	

Data File: \\Target_server\GC\chem\gc10.i\GC10BI22B1.b\ABI2337.d
Date : 23-SEP-2008 02:48
Client ID: AWD-GW-MW103-091008
Sample Info: TPHB022A.M,GC10BI22B1.B,1,SB5123-11
Purge Volume: 1.1
Column phase: ZB-1

Instrument: gc10.i
Operator: SJC
Column diameter: 0.25



Katahdin Analytical Services 2000075

Standards Data Section

FORM 6
DRO INITIAL CALIBRATION DATA

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project CTO 426 NLON SDG No.: CTO426-5

Instrument ID: GC10 Calibration Date(s): 06/30/08 06/30/08

Column: ZB-1 ID: 0.25 (mm) Calibration Time(s): 1100 1525

LAB FILE ID: RF5: ABF4226A RF20: ABF4225A RF50: ABF4222A
RF100: ABF4224A RF200: ABF4223A

COMPOUND	RF5	RF20	RF50	RF100	RF200	CURVE	COEFFICENTS A0	A1	%RSD OR R^2	MAX %RSD OR R^2
TPH Peaks C9-C36	398910	1764600	4033700	8171300	2e+007	LINR	-9.0239524	1.742e-004	0.99986	0.99000
C-9	29382	124300	281350	571470	1122400	LINR	-0.7956207	1.784e-004	0.99984	0.99000
C-10	29794	122700	284260	576870	1141200	LINR	-0.5062547	1.754e-004	0.99992	0.99000
C-12	19076	102100	275340	578730	1142500	LINR	1.26296719	1.735e-004	0.99977	0.99000
C-14	29202	132140	286950	582710	1146500	LINR	-0.9501089	1.748e-004	0.99973	0.99000
C-16	30149	129110	288040	581260	1144100	LINR	-0.9359104	1.752e-004	0.99982	0.99000
C-18	29342	127920	290380	587640	1157000	LINR	-0.7298323	1.73e-004	0.99985	0.99000
C-19	29394	128500	289520	587200	1157000	LINR	-0.7221235	1.731e-004	0.99984	0.99000
C-20	29897	130400	292380	591620	1165100	LINR	-0.8124072	1.719e-004	0.99983	0.99000
C-22	29274	129730	293060	591700	1158900	LINR	-0.9110637	1.727e-004	0.99979	0.99000
C-24	28952	128600	294230	591290	1157700	LINR	-0.9058760	1.729e-004	0.99981	0.99000
C-26	28559	127880	288670	582290	1146900	LINR	-0.7747709	1.746e-004	0.99984	0.99000
C-28	29413	130180	294100	589260	1160100	LINR	-0.9116608	1.727e-004	0.99983	0.99000
C-30	28396	128240	296290	596840	1178000	LINR	-0.5713714	1.699e-004	0.99989	0.99000
C-36	28072	122810	279080	562380	1109400	LINR	-0.7397339	1.805e-004	0.99986	0.99000
O-Terphenyl	13634	58375	129580	258490	510010	LINR	-0.4440867	1.574e-004	0.99980	0.99000

FORM VI DRO

Report Date : 07-Jul-2008 09:33

Katahdin Analytical Services

INITIAL CALIBRATION DATA

Start Cal Date : 30-JUN-2008 11:00
End Cal Date : 30-JUN-2008 15:25
Quant Method : ESTD
Origin : Included
Target Version : 4.12
Integrator : HP Genie
Method file : \\Target_server\GG\chem\gc10.i\GC10BF30B1.b\tphb022A.m
Cal Date : 03-Jul-2008 15:38 ktanguay

Calibration File Names:
Level 1: \\Target_server\GG\chem\gc10.i\GC10BF30B1.b\ABF4226A.d
Level 2: \\Target_server\GG\chem\gc10.i\GC10BF30B1.b\ABF4225A.d
Level 3: \\Target_server\GG\chem\gc10.i\GC10BF30B1.b\ABF4222A.d
Level 4: \\Target_server\GG\chem\gc10.i\GC10BF30B1.b\ABF4224A.d
Level 5: \\Target_server\GG\chem\gc10.i\GC10BF30B1.b\ABF4223A.d

Compound	5.0000 Level 1	20.0000 Level 2	50.0000 Level 3	100.0000 Level 4	200.0000 Level 5	Curve	Coefficients b	m1	m2	%RSD or R^2	
M 1 TPH Peaks C9-C36	398908	1764610	4033667	8171296	16087155	LINR	-9.02395	5742		0.99986	
S 32 TPH-product	+++++	+++++	+++++	+++++	+++++	LINR	0.000e+000	0.000e+000		0.000e+000	<-
2 C-9	29382	124304	281354	571474	1122420	LINR	-0.79562	5606		0.99984	
3 C-10	29794	122699	284262	576873	1141197	LINR	-0.50625	5700		0.99992	
4 C-12	19076	102097	275338	578732	1142533	LINR	1.26297	5764		0.99977	
5 C-14	29202	132136	286950	582712	1146515	LINR	-0.95011	5720		0.99973	
6 C-16	30149	129106	288040	581264	1144132	LINR	-0.93591	5708		0.99982	
7 C-18	29342	127924	290385	587638	1157032	LINR	-0.72983	5779		0.99985	
9 C-19	29394	128503	289520	587203	1157034	LINR	-0.72212	5778		0.99984	
S 10 TPH	398908	1764610	4033667	8171296	16087155	LINR	-9.02395	5742		0.99986	
11 C-20	29897	130403	292375	591625	1165142	LINR	-0.81241	5816		0.99983	
12 C-22	29274	129730	293063	591705	1158934	LINR	-0.91106	5789		0.99979	
13 C-24	28952	128600	294229	591289	1157691	LINR	-0.90588	5785		0.99981	
14 C-26	28559	127879	288671	582294	1146935	LINR	-0.77477	5727		0.99984	
15 C-28	29413	130178	294097	589258	1160137	LINR	-0.91166	5790		0.99983	

Katahdin Analytical Services 2000078

Report Date : 07-Jul-2008 09:33

Katahdin Analytical Services

INITIAL CALIBRATION DATA

Start Cal Date : 30-JUN-2008 11:00
End Cal Date : 30-JUN-2008 15:25
Quant Method : ESTD
Origin : Included
Target Version : 4.12
Integrator : HP Genie
Method file : \\Target_server\GG\chem\gc10.i\GC10BF30B1.b\tphb022A.m
Cal Date : 03-Jul-2008 15:38 ktanguay

Compound	5.0000 Level 1	20.0000 Level 2	50.0000 Level 3	100.0000 Level 4	200.0000 Level 5	Curve	Coefficients b	m1	m2	%RSD or R^2
16 C-30	28396	128238	296293	596840	1178008	LINR	-0.57137	5887		0.99989
17 C-36	28072	122808	279084	562383	1109437	LINR	-0.73973	5539		0.99986
$ 8 O-Terphenyl	13634	58375	129582	258489	510014	LINR	-0.44409	6354		0.99980

Report Date : 07-Jul-2008 09:33

Katahdin Analytical Services

INITIAL CALIBRATION DATA

Start Cal Date : 30-JUN-2008 11:00
End Cal Date : 30-JUN-2008 15:25
Quant Method : ESTD
Origin : Included
Target Version : 4.12
Integrator : HP Genie
Method file : \\Target_server\GG\chem\gc10.i\GC10BF30B1.b\tphb022A.m
Cal Date : 03-Jul-2008 15:38 ktanguay

Curve	Formula	Units
Linear	Amt = b + Rsp/ml	Response

Data File: \\Target_server\GG\chem\gc10.i\GC10BF30B1.b\ABF4222A.d
Report Date: 07-Jul-2008 09:37

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gc10.i\GC10BF30B1.b\ABF4222A.d
Lab Smp Id: PHC 50UG/ML
Inj Date : 30-JUN-2008 11:00
Operator : KGT
Smp Info : TPHB022A.M,GC10BF30B1.B,1,PHC 50UG/ML
Misc Info : PHC50
Comment :
Method : \\TARGET_SERVER\GG\chem\gc10.i\GC10BF30B1.B\TPHB022A.m
Meth Date : 07-Jul-2008 09:37 ktanguay
Cal Date : 30-JUN-2008 11:00
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP Genie
Subtraction File: \\Target_server\GG\chem\gc10.i\GC10BF30B1.b\ABF4221.d
Target Version: 4.12

Inst ID: gc10.i
Quant Type: ESTD
Cal File: ABF4222A.d
Calibration Sample, Level: 3
Compound Sublist: cv.sub

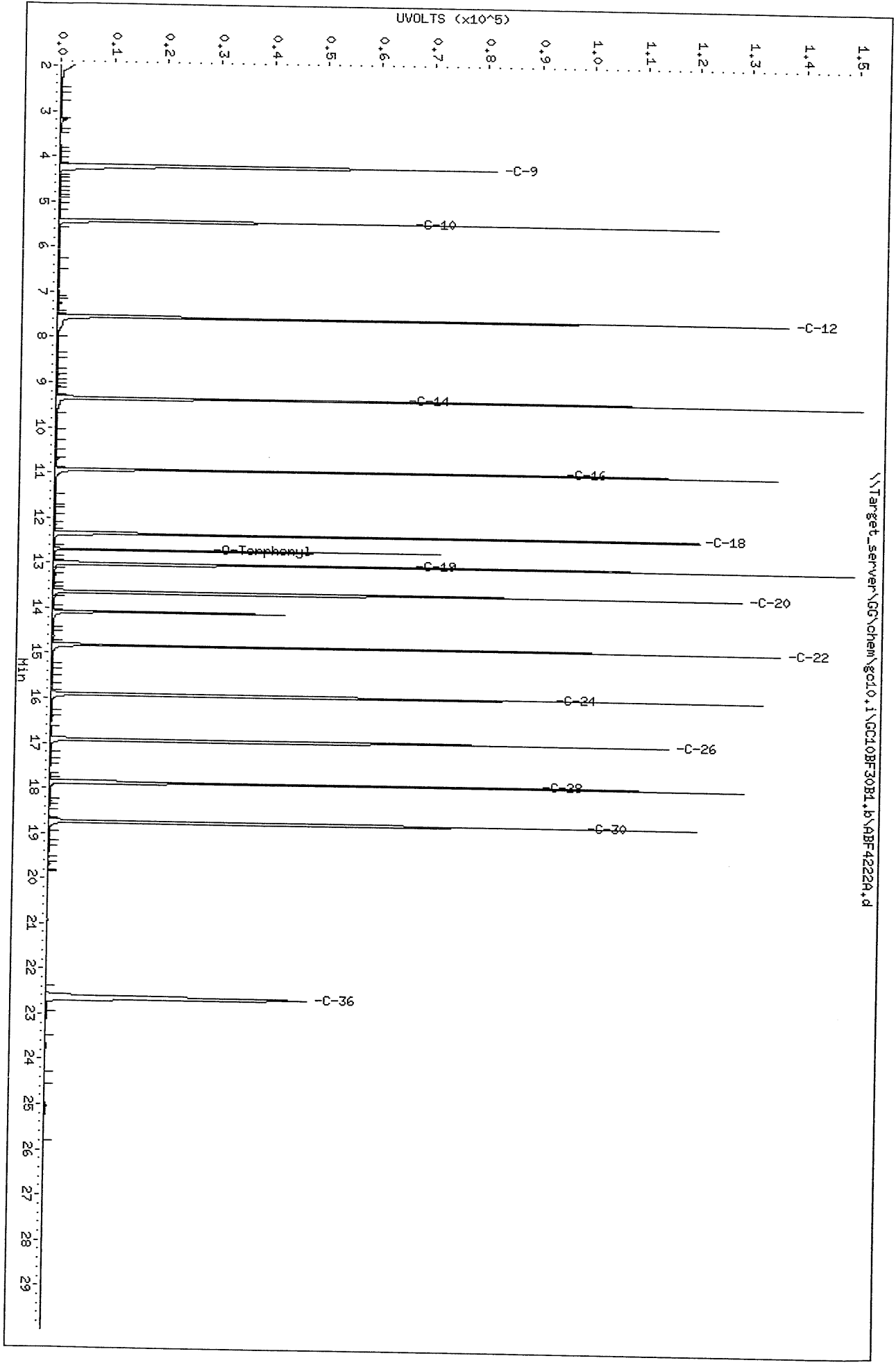
Concentration Formula: Amt * DF * (Vt/Vo)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00100	Final Volume (L)
Vo	1.000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)	REVIEW CODE
M 1 TPH Peaks C9-C36				4033661	700.000	684	
2 C-9	4.204	4.201	0.003	281354	50.0000	49.3	
3 C-10	5.426	5.422	0.004	284262	50.0000	49.1	
4 C-12	7.547	7.545	0.002	275338	50.0000	48.9	
5 C-14	9.346	9.343	0.003	286950	50.0000	49.0	
6 C-16	10.930	10.923	0.007	288040	50.0000	49.3	
7 C-18	12.353	12.346	0.007	290385	50.0000	49.4	
$ 8 O-Terphenyl	12.706	12.704	0.002	129582	20.0000	19.8	
9 C-19	13.012	13.008	0.004	289520	50.0000	49.2	
11 C-20	13.644	13.639	0.005	292375	50.0000	49.2	
12 C-22	14.826	14.822	0.004	293063	50.0000	49.3	
13 C-24	15.917	15.909	0.008	294229	50.0000	49.4	
14 C-26	16.925	16.919	0.006	288671	50.0000	48.8	
15 C-28	17.864	17.855	0.009	294097	50.0000	49.1	
16 C-30	18.742	18.732	0.010	296293	50.0000	48.6	
17 C-36	22.644	22.617	0.027	279084	50.0000	45.6	

Data File: \\Target_server\GC\chem\gc10.i\GC10BF30B1.b\ABF4222A.d
Date : 30-JUN-2008 11:00
Client ID:
Sample Info: TPHB022A,M,GC10BF30B1,B,1,PHC 50UG/ML
Purge Volume: 1.0
Column phase: ZB-1

Instrument: gc10.i
Operator: KGT
Column diameter: 0.25



Data File: \\Target_server\GG\chem\gc10.i\GC10BF30B1.b\ABF4223A.d
Report Date: 07-Jul-2008 09:38

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gc10.i\GC10BF30B1.b\ABF4223A.d
Lab Smp Id: PHC 200UG/ML
Inj Date : 30-JUN-2008 11:56
Operator : KGT Inst ID: gc10.i
Smp Info : TPHB022A.M,GC10BF30B1.B,1,PHC 200UG/ML
Misc Info : PHC200
Comment :
Method : \\TARGET_SERVER\GG\chem\gc10.i\GC10BF30B1.B\TPHB022A.m
Meth Date : 07-Jul-2008 09:37 ktanguay Quant Type: ESTD
Cal Date : 30-JUN-2008 11:56 Cal File: ABF4223A.d
Als bottle: 1 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: cv.sub
Subtraction File: \\Target_server\GG\chem\gc10.i\GC10BF30B1.b\ABF4221.d
Target Version: 4.12
Processing Host: TARGET02

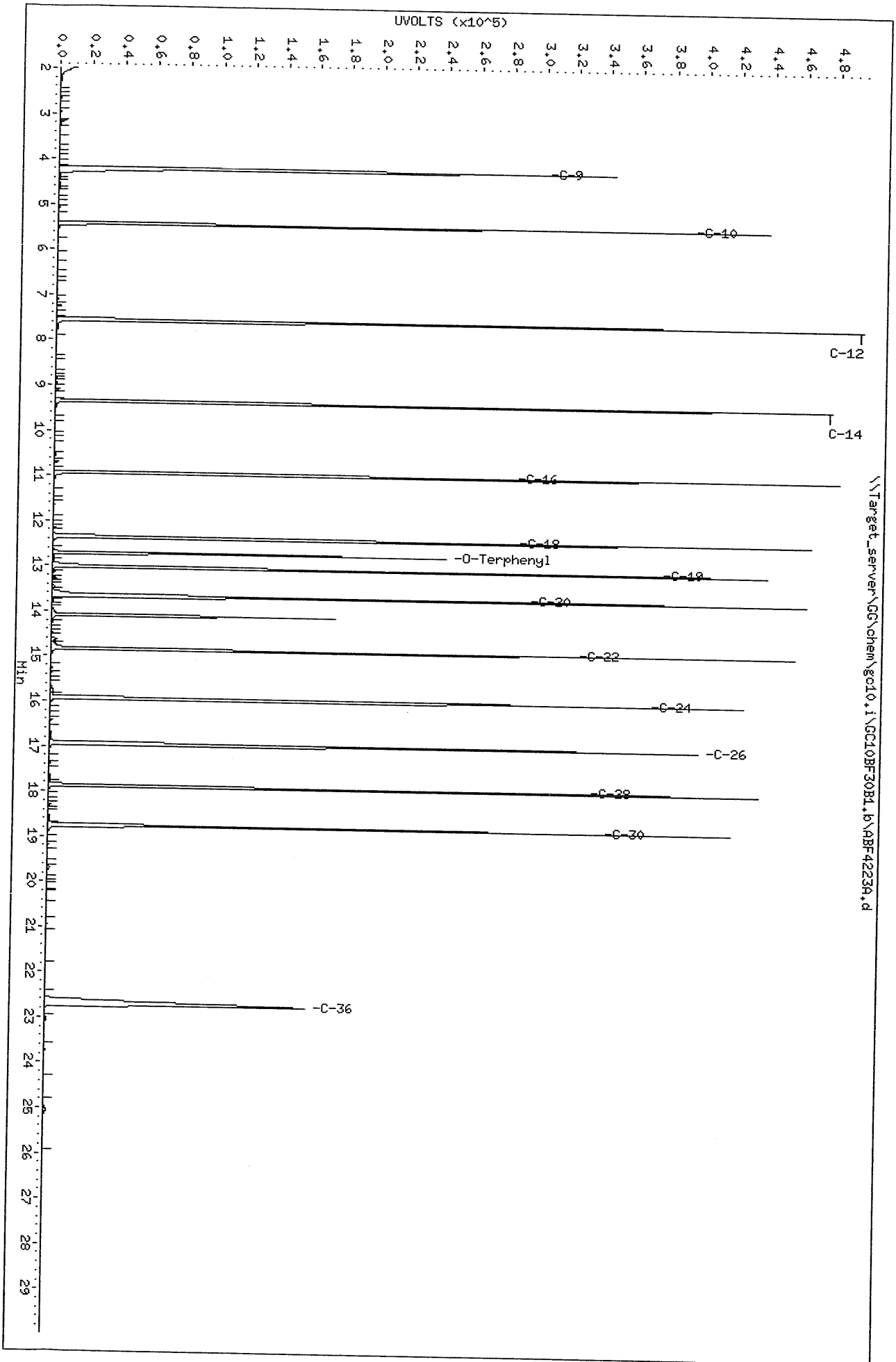
Concentration Formula: Amt * DF * (Vt/Vo)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00100	Final Volume (L)
Vo	1.000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)	REVIEW CODE
M 1 TPH Peaks C9-C36				16087147	2800.00	2790	
2 C-9	4.209	4.201	0.008	1122420	200.000	199	
3 C-10	5.434	5.422	0.012	1141197	200.000	200	
4 C-12	7.560	7.545	0.015	1142533	200.000	199	
5 C-14	9.361	9.343	0.018	1146515	200.000	200	
6 C-16	10.946	10.923	0.023	1144132	200.000	200	
7 C-18	12.372	12.346	0.026	1157032	200.000	200	
$ 8 O-Terphenyl	12.720	12.704	0.016	510014	80.0000	79.8	
9 C-19	13.035	13.008	0.027	1157034	200.000	200	
11 C-20	13.665	13.639	0.026	1165142	200.000	200	
12 C-22	14.850	14.822	0.028	1158934	200.000	199	
13 C-24	15.941	15.909	0.032	1157691	200.000	199	
14 C-26	16.948	16.919	0.029	1146935	200.000	199	
15 C-28	17.890	17.855	0.035	1160137	200.000	199	
16 C-30	18.769	18.732	0.037	1178008	200.000	199	
17 C-36	22.722	22.617	0.105	1109437	200.000	198	

Data File: \\Target_server\GC\chem\gc10.i\GC10BF30B1.b\ABF4223A.d
Date : 30-JUN-2008 11:56
Client ID:
Sample Info: TPHB022A.M,GC10BF30B1.B,1,PHC 200UG/ML
Purge Volume: 1.0
Column phase: ZB-1

Instrument: gc10.i
Operator: KGT
Column diameter: 0.25



Data File: \\Target_server\GG\chem\gc10.i\GC10BF30B1.b\ABF4224A.d
Report Date: 07-Jul-2008 09:38

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gc10.i\GC10BF30B1.b\ABF4224A.d
Lab Smp Id: PHC 100UG/ML
Inj Date : 30-JUN-2008 13:28
Operator : KGT Inst ID: gc10.i
Smp Info : TPHB022A.M,GC10BF30B1.B,1,PHC 100UG/ML
Misc Info : PHC100
Comment :
Method : \\TARGET_SERVER\GG\chem\gc10.i\GC10BF30B1.B\TPHB022A.m
Meth Date : 07-Jul-2008 09:37 ktanguay Quant Type: ESTD
Cal Date : 30-JUN-2008 13:28 Cal File: ABF4224A.d
Als bottle: 1 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: cv.sub
Subtraction File: \\Target_server\GG\chem\gc10.i\GC10BF30B1.b\ABF4221.d
Target Version: 4.12
Processing Host: TARGET02

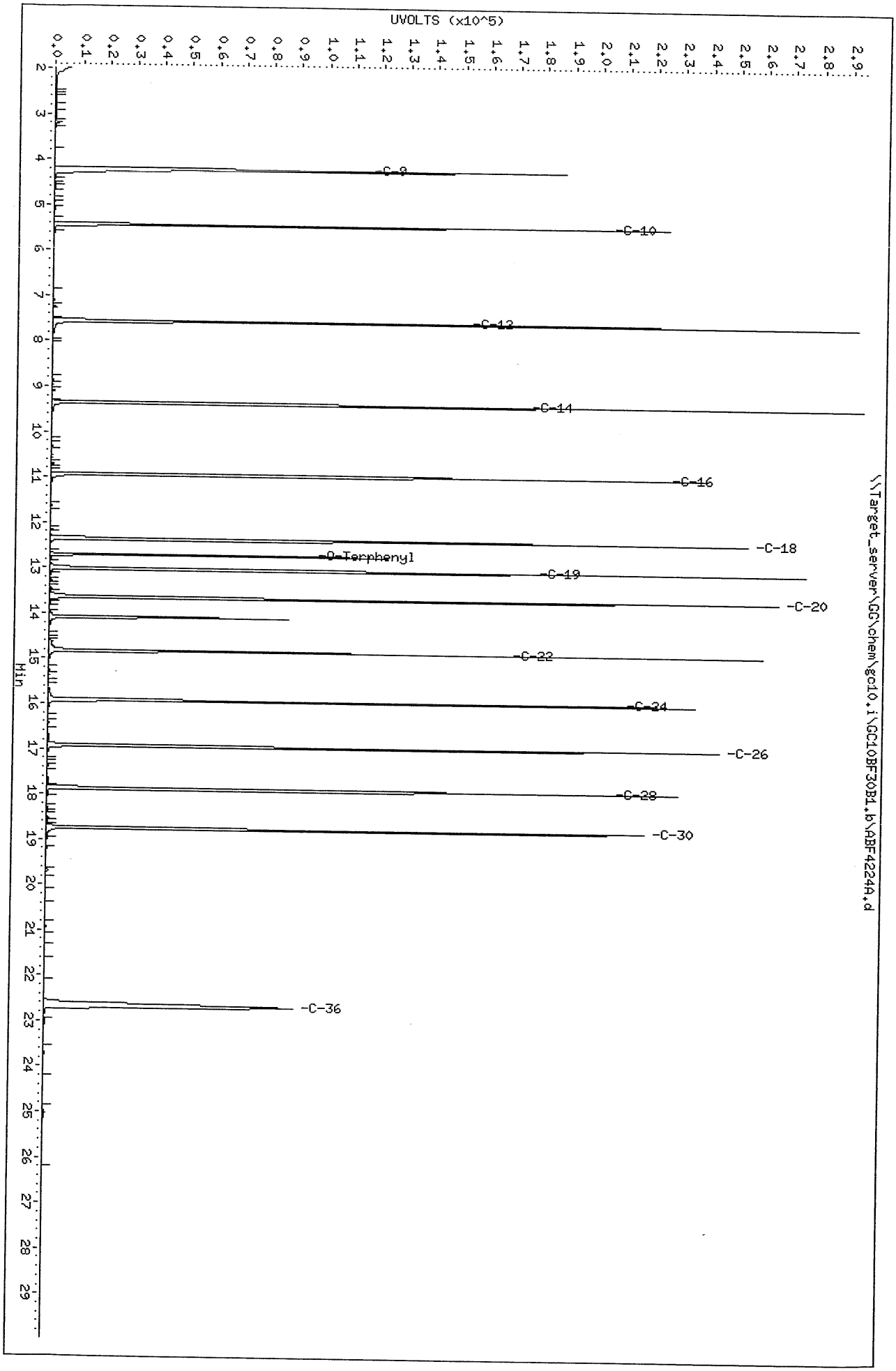
Concentration Formula: Amt * DF * (Vt/Vo)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00100	Final Volume (L)
Vo	1.000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)	REVIEW CODE
M 1 TPH Peaks C9-C36				8171290	1400.00	1410	
2 C-9	4.212	4.201	0.011	571474	100.000	101	
3 C-10	5.434	5.422	0.012	576873	100.000	100	
4 C-12	7.558	7.545	0.013	578732	100.000	102	
5 C-14	9.357	9.343	0.014	582712	100.000	101	
6 C-16	10.940	10.923	0.017	581264	100.000	101	
7 C-18	12.363	12.346	0.017	587638	100.000	101	
$ 8 O-Terphenyl	12.716	12.704	0.012	258489	40.0000	40.2	
9 C-19	13.024	13.008	0.016	587203	100.000	101	
11 C-20	13.653	13.639	0.014	591625	100.000	101	
12 C-22	14.837	14.822	0.015	591705	100.000	101	
13 C-24	15.928	15.909	0.019	591289	100.000	101	
14 C-26	16.933	16.919	0.014	582294	100.000	100	
15 C-28	17.874	17.855	0.019	589258	100.000	100	
16 C-30	18.750	18.732	0.018	596840	100.000	100	
17 C-36	22.670	22.617	0.053	562383	100.000	99.2	

Data File: \\Target_server\GC\chem\gc10.i\GC10BF30B1.b\ABF4224A.d
Date : 30-JUN-2008 13:28
Client ID:
Sample Info: TPHB022A,W,GC10BF30B1,B,1,PHC 100UG/ML
Purge Volume: 1.0
Column phase: ZB-1

Instrument: gc10.i
Operator: KGT
Column diameter: 0.25



Data File: \\Target_server\GG\chem\gc10.i\GC10BF30B1.b\ABF4225A.d
Report Date: 07-Jul-2008 09:38

Katahdin Analytical Services

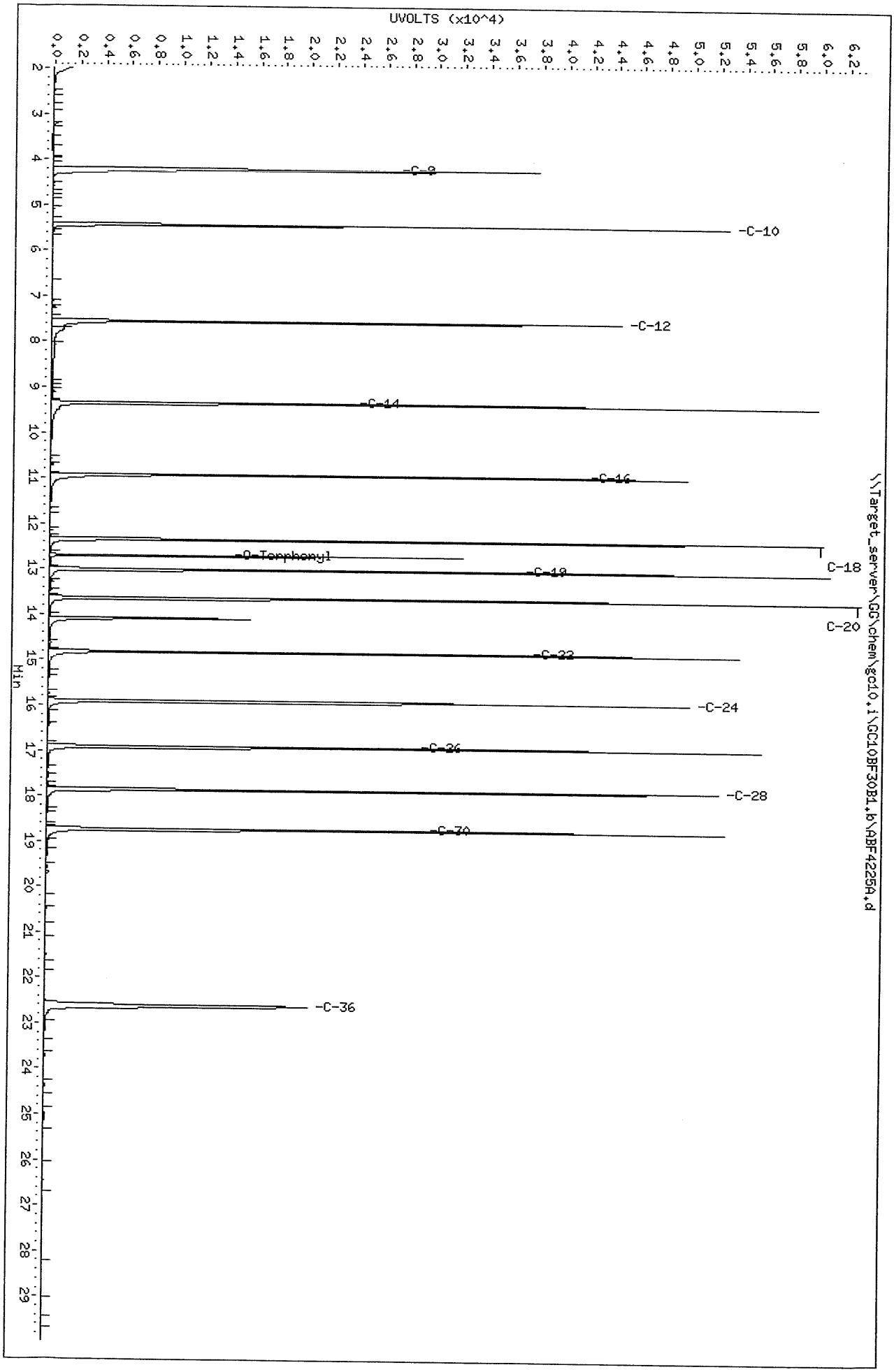
Data file : \\Target_server\GG\chem\gc10.i\GC10BF30B1.b\ABF4225A.d
Lab Smp Id: PHC 20UG/ML
Inj Date : 30-JUN-2008 14:07
Operator : KGT
Smp Info : TPHB022A.M,GC10BF30B1.B,1,PHC 20UG/ML
Misc Info : PHC20
Comment :
Method : \\TARGET_SERVER\GG\chem\gc10.i\GC10BF30B1.B\TPHB022A.m
Meth Date : 07-Jul-2008 09:37 ktanguay
Cal Date : 30-JUN-2008 14:07
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP Genie
Subtraction File: \\Target_server\GG\chem\gc10.i\GC10BF30B1.b\ABF4221.d
Target Version: 4.12
Processing Host: TARGET02

Inst ID: gc10.i
Quant Type: ESTD
Cal File: ABF4225A.d
Calibration Sample, Level: 2
Compound Sublist: cv.sub

Concentration Formula: Amt * DF * (Vt/Vo)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00100	Final Volume (L)
Vo	1.000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)	REVIEW CODE
M 1 TPH Peaks C9-C36				1764605	280.000	293	
2 C-9	4.212	4.201	0.011	124304	20.0000	21.3	
3 C-10	5.428	5.422	0.006	122699	20.0000	20.8	
4 C-12	7.549	7.545	0.004	102097	20.0000	18.9	
5 C-14	9.346	9.343	0.003	132136	20.0000	22.1	
6 C-16	10.929	10.923	0.006	129106	20.0000	21.5	
7 C-18	12.348	12.346	0.002	127924	20.0000	21.3	
$ 8 O-Terphenyl	12.705	12.704	0.001	58375	8.00000	8.66	
9 C-19	13.011	13.008	0.003	128503	20.0000	21.4	
11 C-20	13.640	13.639	0.001	130403	20.0000	21.5	
12 C-22	14.824	14.822	0.002	129730	20.0000	21.3	
13 C-24	15.911	15.909	0.002	128600	20.0000	21.0	
14 C-26	16.919	16.919	0.000	127879	20.0000	21.1	
15 C-28	17.856	17.855	0.001	130178	20.0000	21.2	
16 C-30	18.732	18.732	0.000	128238	20.0000	20.5	
17 C-36	22.619	22.617	0.002	122808	20.0000	18.8	


Data File: \\Target_server\GC\chem\gc10,i\GC10BF30B1,b\ABF4225A,d
Date : 30-JUN-2008 14:07
Client ID:
Sample Info: TPHB022A,M,GC10BF30B1,B,1,PHC 20UG/ML
Purge Volume: 1.0
Column phase: ZB-1
Instrument: gc10,i
Operator: KGT
Column diameter: 0.25
\\Target_server\GC\chem\gc10,i\GC10BF30B1,b\ABF4225A,d
UVOLTS (x10^4)
Min
-C-9
-C-10
-C-12
-C-14
-C-16
-O-Terphenyl
-C-18
-C-19
-C-20
-C-22
-C-24
-C-26
-C-28
-C-30
-C-36

Data File: \\Target_server\GG\chem\gc10.i\GC10BF30B1.b\ABF4226A.d
Report Date: 07-Jul-2008 09:38

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gc10.i\GC10BF30B1.b\ABF4226A.d
Lab Smp Id: PHC 5UG/ML
Inj Date : 30-JUN-2008 15:25
Operator : KGT Inst ID: gc10.i
Smp Info : TPHB022A.M,GC10BF30B1.B,1,PHC 5UG/ML
Misc Info : PHC5
Comment :
Method : \\TARGET_SERVER\GG\chem\gc10.i\GC10BF30B1.B\TPHB022A.m
Meth Date : 07-Jul-2008 09:37 ktanguay Quant Type: ESTD
Cal Date : 30-JUN-2008 15:25 Cal File: ABF4226A.d
Als bottle: 1 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: cv.sub
Subtraction File: \\Target_server\GG\chem\gc10.i\GC10BF30B1.b\ABF4221.d
Target Version: 4.12
Processing Host: TARGET02

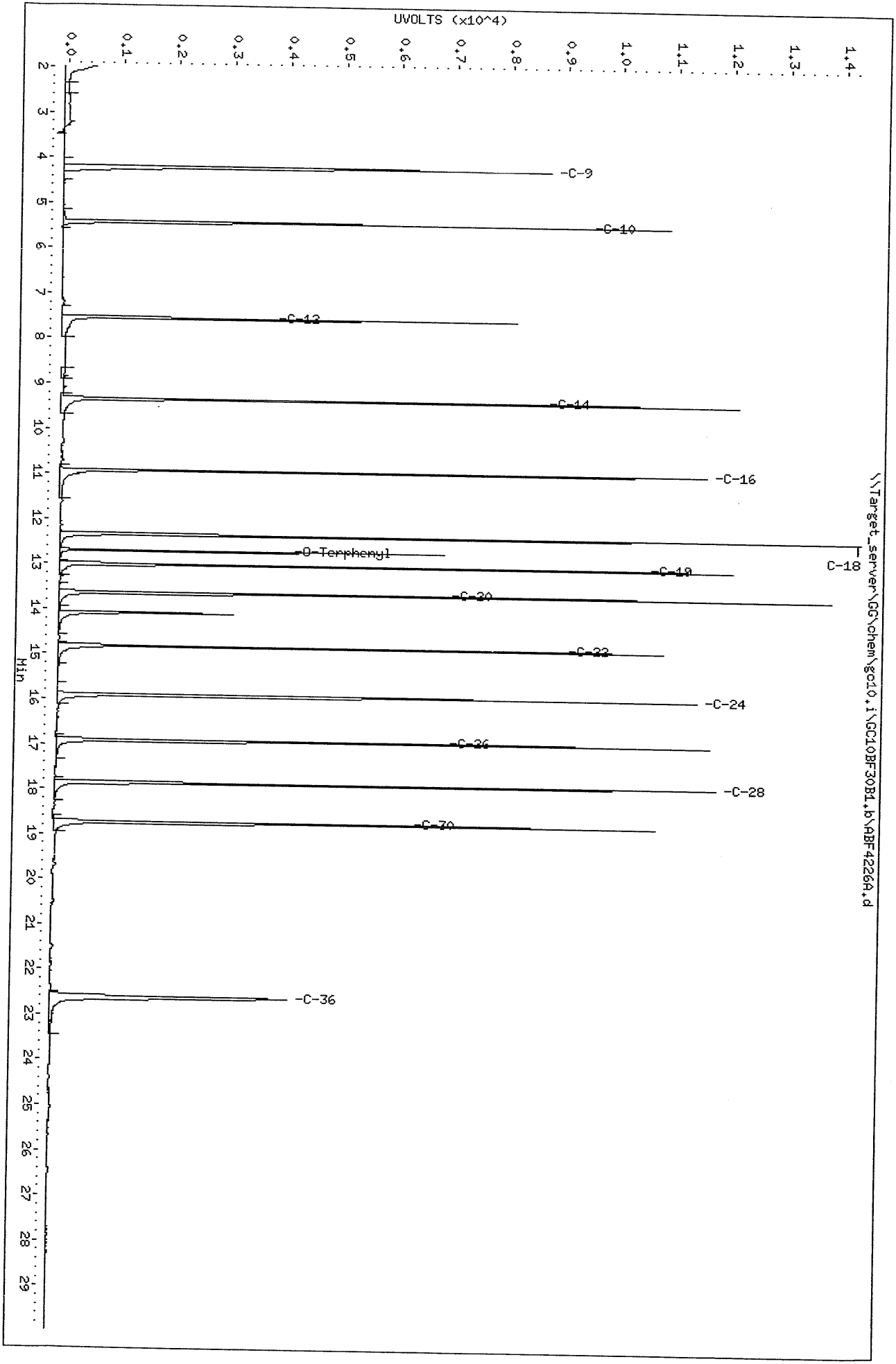
Concentration Formula: Amt * DF * (Vt/Vo)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00100	Final Volume (L)
Vo	1.000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)	REVIEW CODE
M 1 TPH Peaks C9-C36				398902	70.0000	60.5	
2 C-9	4.201	4.201	0.000	29382	5.00000	4.44	
3 C-10	5.422	5.422	0.000	29794	5.00000	4.72	
4 C-12	7.545	7.545	0.000	19076	5.00000	4.57	
5 C-14	9.343	9.343	0.000	29202	5.00000	4.16	
6 C-16	10.923	10.923	0.000	30149	5.00000	4.34	
7 C-18	12.346	12.346	0.000	29342	5.00000	4.35	
$ 8 O-Terphenyl	12.704	12.704	0.000	13634	2.00000	1.70	
9 C-19	13.008	13.008	0.000	29394	5.00000	4.36	
11 C-20	13.639	13.639	0.000	29897	5.00000	4.33	
12 C-22	14.822	14.822	0.000	29274	5.00000	4.14	
13 C-24	15.909	15.909	0.000	28952	5.00000	4.10	
14 C-26	16.919	16.919	0.000	28559	5.00000	4.21	
15 C-28	17.855	17.855	0.000	29413	5.00000	4.17	
16 C-30	18.732	18.732	0.000	28396	5.00000	4.25	
17 C-36	22.617	22.617	0.000	28072	5.00000	4.33	

Data File: \\Target_server\GC\chem\gc10.i\GC10BF30B1.b\ABF4226A.d
Date : 30-JUN-2008 15:25
Client ID:
Sample Info: TPHB022A,M,GC10BF30B1,B,1,PHC 5UG/ML
Purge Volume: 1.0
Column phase: ZB-1

Instrument: gc10.i
Operator: KGT
Column diameter: 0.25



FORM 7B
SEMIVOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 426 NLON SDG No.: CTO426-5

Instrument ID: GC10 Calibration Date: 06/30/08 Time: 1604

Lab File ID: ABF4227A Init. Calib. Date(s): 06/30/08 06/30/08

Init. Calib. Times: 1100 1525

GC Column: ZB-1 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
C-10	51.097000	50.000000	5882.8000	0.01	2.19	20.00	LINR
C-12	53.455000	50.000000	6016.6000	0.01	6.91	20.00	LINR
C-14	52.317000	50.000000	6093.5000	0.01	4.63	20.00	LINR
C-16	52.424000	50.000000	6091.9000	0.01	4.85	20.00	LINR
C-18	52.227000	50.000000	6120.4000	0.01	4.45	20.00	LINR
C-20	50.638000	50.000000	5985.0000	0.01	1.28	20.00	LINR
C-22	52.002000	50.000000	6126.8000	0.01	4.00	20.00	LINR
C-24	52.032000	50.000000	6124.7000	0.01	4.06	20.00	LINR
C-26	52.504000	50.000000	6102.8000	0.01	5.01	20.00	LINR
C-28	46.227000	50.000000	5459.0000	0.01	-7.55	20.00	LINR

FORM VII DRO

Data File: \\Target_server\GG\chem\gc10.i\GC10BF30B1.b\ABF4227A.d
Report Date: 07-Jul-2008 09:41

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gc10.i\GC10BF30B1.b\ABF4227A.d
Lab Smp Id: IND 50UG/ML
Inj Date : 30-JUN-2008 16:04
Operator : KGT Inst ID: gc10.i
Smp Info : TPHB022A.M,GC10BF30B1.B,1,IND 50UG/ML
Misc Info : IND50
Comment :
Method : \\TARGET_SERVER\GG\chem\gc10.i\GC10BF30B1.B\TPHB022A.m
Meth Date : 07-Jul-2008 09:40 ktanguay Quant Type: ESTD
Cal Date : 30-JUN-2008 15:25 Cal File: ABF4226A.d
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: INDSOURCE.sub
Subtraction File: \\Target_server\GG\chem\gc10.i\GC10BF30B1.b\ABF4221.d
Target Version: 4.12
Processing Host: TARGET02

Concentration Formula: Amt * DF * (Vt/Vo)*1000 * CpndVariable

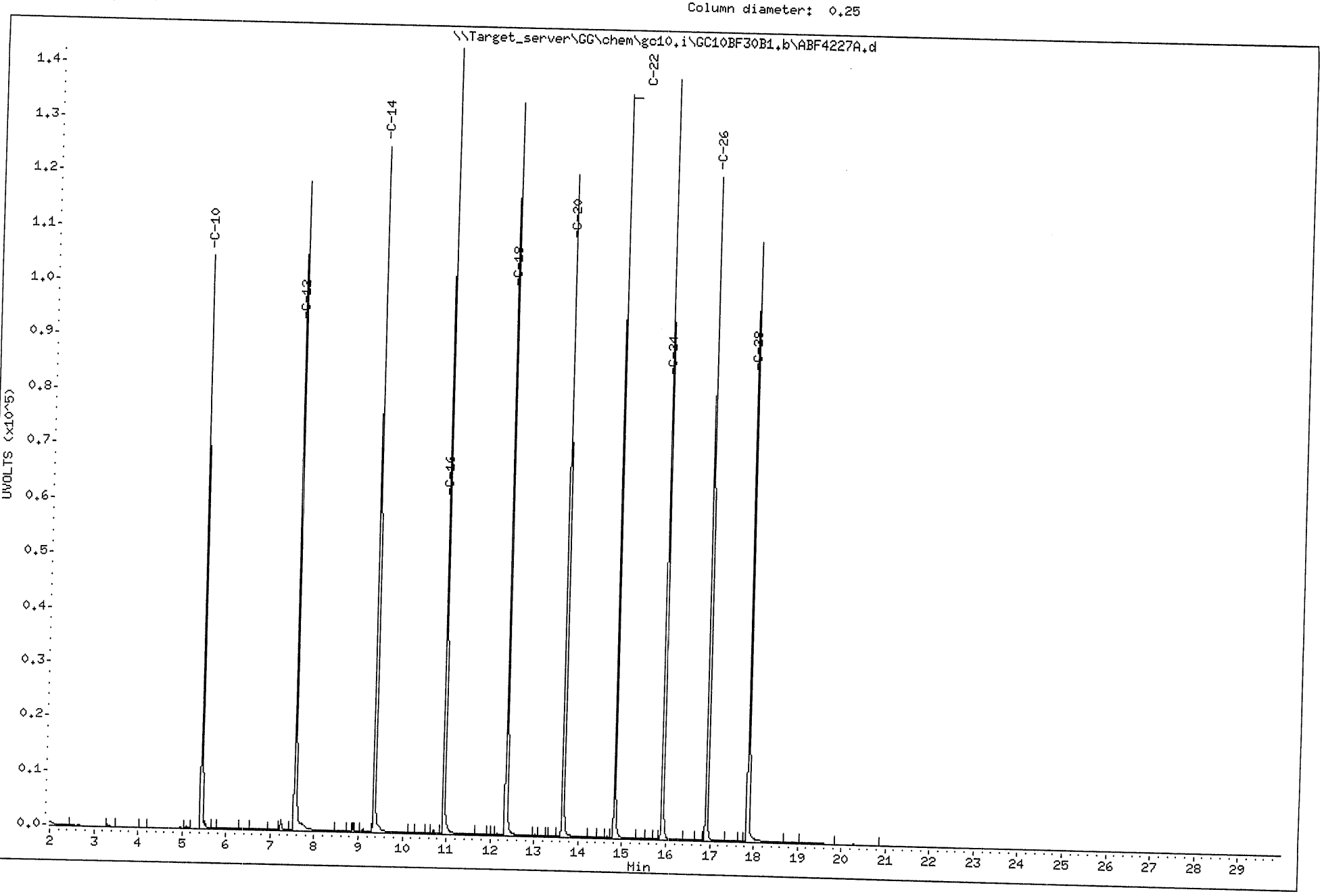
Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00100	Final Volume (L)
Vo	1.000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)	REVIEW CODE
3 C-10	5.433	5.422	0.011	294140	50.0000	51.1	
4 C-12	7.556	7.545	0.011	300830	50.0000	53.4	
5 C-14	9.350	9.343	0.007	304674	50.0000	52.3	
6 C-16	10.933	10.923	0.010	304596	50.0000	52.4	
7 C-18	12.356	12.346	0.010	306022	50.0000	52.2	
11 C-20	13.648	13.639	0.009	299248	50.0000	50.6	
12 C-22	14.828	14.822	0.006	306338	50.0000	52.0	
13 C-24	15.918	15.909	0.009	306235	50.0000	52.0	
14 C-26	16.925	16.919	0.006	305138	50.0000	52.5	
15 C-28	17.863	17.855	0.008	272951	50.0000	46.2	

Data File: \\Target_server\GG\chem\gc10.i\GC10BF30B1.b\ABF4227A.d
Date : 30-JUN-2008 16:04
Client ID:
Sample Info: TPHB022A.M,GC10BF30B1.B,1,IND 50UG/ML
Purge Volume: 1.0
Column phase: ZB-1

Instrument: gc10.i

Operator: KGT
Column diameter: 0.25



Katahdin Analytical Services 2000093

FORM 7B
SEMIVOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 426 NLON SDG No.: CTO426-5

Instrument ID: GC10 Calibration Date: 09/22/08 Time: 1210

Lab File ID: ABI2318A Init. Calib. Date(s): 06/30/08 06/30/08

Init. Calib. Times: 1100 1525

GC Column: ZB-1 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
TPH Peaks C9-C36	730.02000	700.00000	6062.4000	0.01	4.29	20.00	LINR
C-9	53.269000	50.000000	6061.5000	0.01	6.54	20.00	LINR
C-10	53.223000	50.000000	6125.2000	0.01	6.45	20.00	LINR
C-12	53.853000	50.000000	6062.5000	0.01	7.71	20.00	LINR
C-14	52.890000	50.000000	6159.1000	0.01	5.78	20.00	LINR
C-16	52.098000	50.000000	6054.7000	0.01	4.20	20.00	LINR
C-18	52.086000	50.000000	6104.2000	0.01	4.17	20.00	LINR
C-19	52.252000	50.000000	6121.3000	0.01	4.50	20.00	LINR
C-20	51.762000	50.000000	6115.7000	0.01	3.52	20.00	LINR
C-22	52.644000	50.000000	6201.1000	0.01	5.29	20.00	LINR
C-24	52.278000	50.000000	6153.3000	0.01	4.56	20.00	LINR
C-26	51.709000	50.000000	6011.8000	0.01	3.42	20.00	LINR
C-28	51.192000	50.000000	6034.0000	0.01	2.38	20.00	LINR
C-30	51.330000	50.000000	6110.8000	0.01	2.66	20.00	LINR
C-36	49.435000	50.000000	5558.5000	0.01	-1.13	20.00	LINR
O-Terphenyl	22.697000	20.000000	7352.3000	0.01	13.48	20.00	LINR

FORM VII DRO

Data File: \\Target_server\GG\chem\gc10.i\GC10BI22B1.b\ABI2318A.d
Report Date: 30-Sep-2008 11:51

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gc10.i\GC10BI22B1.b\ABI2318A.d
Lab Smp Id: PHC 50UG/ML
Inj Date : 22-SEP-2008 12:10
Operator : KGT Inst ID: gc10.i
Smp Info : TPHB022A.M,GC10BI22B1.B,1,PHC 50UG/ML
Misc Info : PHC50
Comment :
Method : \\TARGET_SERVER\GG\chem\gc10.i\GC10BI22B1.B\TPHB022A.m
Meth Date : 29-Sep-2008 10:19 ktang Quant Type: ESTD
Cal Date : 15-JUL-2008 18:38 Cal File: ABG2137.d
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: cv.sub
Subtraction File: \\Target_server\GG\chem\gc10.i\GC10BI22B1.b\ABI2317.d
Target Version: 4.12
Processing Host: TARGET02

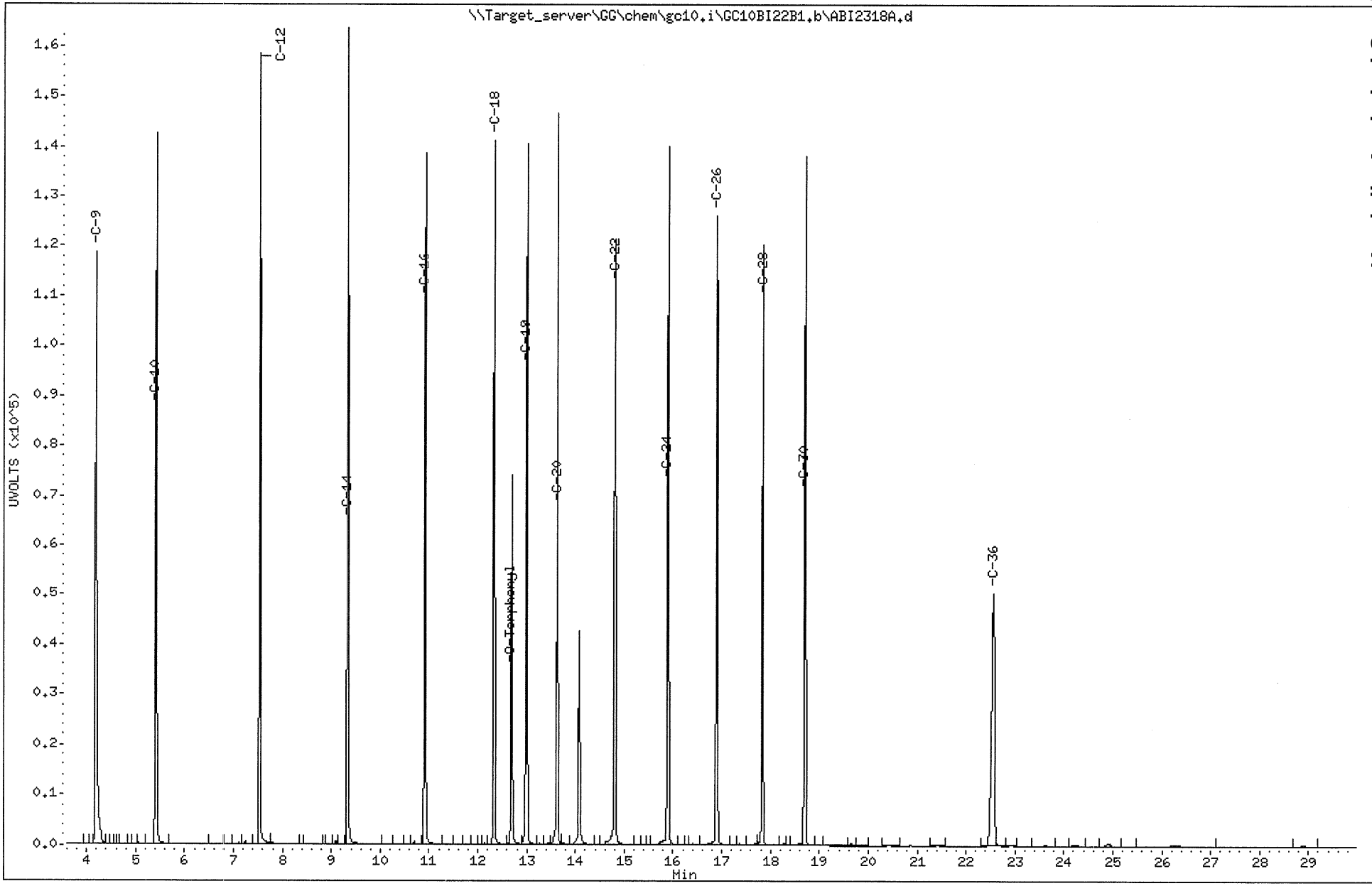
Concentration Formula: Amt * DF * (Vt/Vo)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00100	Final Volume (L)
Vo	1.000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)	REVIEW CODE
M 1 TPH Peaks C9-C36				4243678	700.000	730	
2 C-9	4.189	4.201	-0.012	303075	50.0000	53.3	
3 C-10	5.411	5.422	-0.011	306260	50.0000	53.2	
4 C-12	7.534	7.545	-0.011	303123	50.0000	53.8	
5 C-14	9.333	9.343	-0.010	307954	50.0000	52.9	
6 C-16	10.916	10.923	-0.007	302734	50.0000	52.1	
7 C-18	12.335	12.346	-0.011	305210	50.0000	52.1	
$ 8 O-Terphenyl	12.692	12.697	-0.005	147046	20.0000	22.7	
9 C-19	12.997	13.008	-0.011	306065	50.0000	52.2	
11 C-20	13.626	13.639	-0.013	305785	50.0000	51.8	
12 C-22	14.807	14.822	-0.015	310054	50.0000	52.6	
13 C-24	15.892	15.909	-0.017	307663	50.0000	52.3	
14 C-26	16.896	16.919	-0.023	300589	50.0000	51.7	
15 C-28	17.834	17.855	-0.021	301700	50.0000	51.2	
16 C-30	18.706	18.732	-0.026	305539	50.0000	51.3	
17 C-36	22.550	22.617	-0.067	277927	50.0000	49.4	

Data File: \\Target_server\GG\chem\gc10.i\GC10BI22B1.b\ABI2318A.d
Date : 22-SEP-2008 12:10
Client ID:
Sample Info: TPHB022A.M,GC10BI22B1.B,1,PHC 50UG/ML
Purge Volume: 1.0
Column phase: ZB-1

Instrument: gc10.i
Operator: KGT
Column diameter: 0.25



Katahdin Analytical Services 2000096

FORM 7B
SEMIVOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 426 NLON SDG No.: CTO426-5

Instrument ID: GC10 Calibration Date: 09/23/08 Time: 0013

Lab File ID: ABI2333 Init. Calib. Date(s): 06/30/08 06/30/08

Init. Calib. Times: 1100 1525

GC Column: ZB-1 ID: 0.25 (mm)

COMPOUND	RRF or AMOUNT	RRF20.000 or AMOUNT	CCAL RRF20.000	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE	
TPH Peaks C9-C36	310.80000	280.00000	6561.2000	0.01	11.00	20.00	LINR	
C-9	22.609000	20.000000	6560.2000	0.01	13.04	20.00	LINR	
C-10	22.243000	20.000000	6483.6000	0.01	11.22	20.00	LINR	
C-12	25.069000	20.000000	6860.8000	0.01	25.34	20.00	LINR	<-
C-14	22.857000	20.000000	6808.4000	0.01	14.28	20.00	LINR	
C-16	22.588000	20.000000	6714.0000	0.01	12.94	20.00	LINR	
C-18	22.420000	20.000000	6689.0000	0.01	12.10	20.00	LINR	
C-19	22.468000	20.000000	6699.4000	0.01	12.34	20.00	LINR	
C-20	22.416000	20.000000	6755.0000	0.01	12.08	20.00	LINR	
C-22	22.155000	20.000000	6677.0000	0.01	10.78	20.00	LINR	
C-24	22.154000	20.000000	6669.8000	0.01	10.77	20.00	LINR	
C-26	22.034000	20.000000	6531.6000	0.01	10.17	20.00	LINR	
C-28	22.114000	20.000000	6666.4000	0.01	10.57	20.00	LINR	
C-30	21.944000	20.000000	6627.4000	0.01	9.72	20.00	LINR	
C-36	17.724000	20.000000	5113.6000	0.01	-11.38	20.00	LINR	
O-Terphenyl	9.7101000	8.0000000	8065.5000	0.01	21.38	20.00	LINR	<-

FORM VII DRO

Data File: \\Target_server\GG\chem\gc10.i\GC10BI22B1.b\ABI2333.d
Report Date: 30-Sep-2008 11:51

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gc10.i\GC10BI22B1.b\ABI2333.d
Lab Smp Id: PHC 20UG/ML
Inj Date : 23-SEP-2008 00:13
Operator : SJC Inst ID: gc10.i
Smp Info : TPHB022A.M,GC10BI22B1.B,1,PHC 20UG/ML
Misc Info : PHC20
Comment :
Method : \\TARGET_SERVER\GG\chem\gc10.i\GC10BI22B1.B\TPHB022A.m
Meth Date : 29-Sep-2008 10:19 ktang Quant Type: ESTD
Cal Date : 15-JUL-2008 18:38 Cal File: ABG2137.d
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: cv.sub
Subtraction File: \\Target_server\GG\chem\gc10.i\GC10BI22B1.b\ABI2332.d
Target Version: 4.12
Processing Host: TARGET02

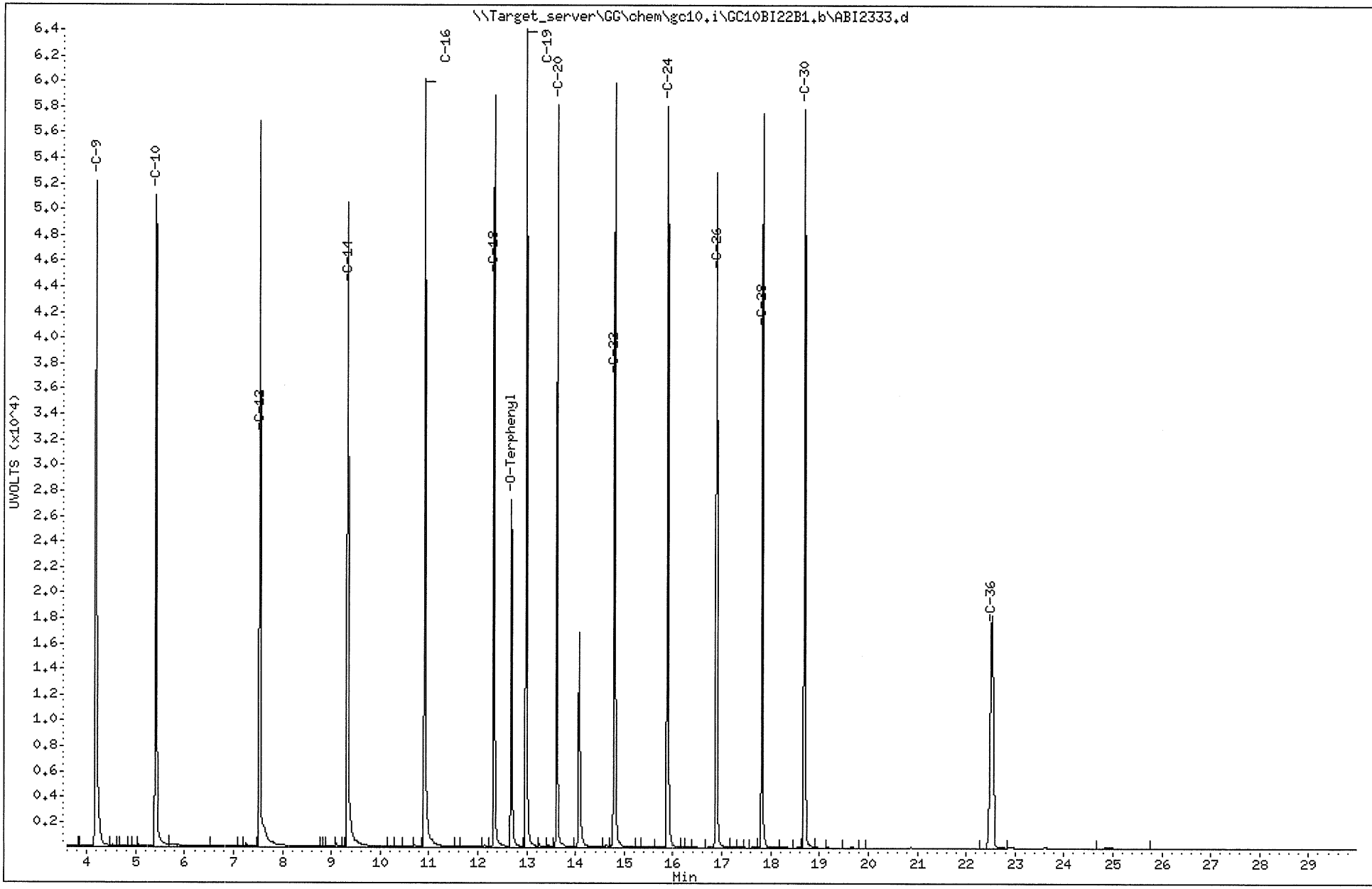
Concentration Formula: Amt * DF * (Vt/Vo)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00100	Final Volume (L)
Vo	1.000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)	REVIEW CODE
M 1 TPH Peaks C9-C36				1837125	700.000	311	
2 C-9	4.187	4.201	-0.014	131204	50.0000	22.6	
3 C-10	5.405	5.422	-0.017	129671	50.0000	22.2	
4 C-12	7.531	7.545	-0.014	137216	50.0000	25.1	
5 C-14	9.328	9.343	-0.015	136169	50.0000	22.8	
6 C-16	10.907	10.923	-0.016	134281	50.0000	22.6	
7 C-18	12.329	12.346	-0.017	133779	50.0000	22.4	
$ 8 O-Terphenyl	12.684	12.697	-0.013	64524	20.0000	9.71	
9 C-19	12.987	13.008	-0.021	133988	50.0000	22.5	
11 C-20	13.617	13.639	-0.022	135100	50.0000	22.4	
12 C-22	14.798	14.822	-0.024	133541	50.0000	22.2	
13 C-24	15.882	15.909	-0.027	133397	50.0000	22.2	
14 C-26	16.888	16.919	-0.031	130631	50.0000	22.0	
15 C-28	17.824	17.855	-0.031	133327	50.0000	22.1	
16 C-30	18.695	18.732	-0.037	132548	50.0000	21.9	
17 C-36	22.517	22.617	-0.100	102273	50.0000	17.7	

Data File: \\Target_server\GG\chem\gc10.i\GC10BI22B1.b\ABI2333.d
Date : 23-SEP-2008 00:13
Client ID:
Sample Info: TPHB022A.M,GC10BI22B1.B,1,PHC 20UG/ML
Purge Volume: 1.0
Column phase: ZB-1

Instrument: gc10.i
Operator: SJC
Column diameter: 0.25



Katahdin Analytical Services 2000099

FORM 7B
SEMIVOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 426 NLON SDG No.: CTO426-5

Instrument ID: GC10 Calibration Date: 09/23/08 Time: 0524

Lab File ID: ABI2341 Init. Calib. Date(s): 06/30/08 06/30/08

Init. Calib. Times: 1100 1525

GC Column: ZB-1 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
TPH Peaks C9-C36	745.36000	700.00000	6187.9000	0.01	6.48	20.00	LINR
C-9	53.900000	50.000000	6132.2000	0.01	7.80	20.00	LINR
C-10	53.428000	50.000000	6148.5000	0.01	6.86	20.00	LINR
C-12	54.190000	50.000000	6101.3000	0.01	8.38	20.00	LINR
C-14	53.631000	50.000000	6243.8000	0.01	7.26	20.00	LINR
C-16	53.224000	50.000000	6183.3000	0.01	6.45	20.00	LINR
C-18	53.098000	50.000000	6221.1000	0.01	6.20	20.00	LINR
C-19	52.907000	50.000000	6197.0000	0.01	5.81	20.00	LINR
C-20	52.860000	50.000000	6243.4000	0.01	5.72	20.00	LINR
C-22	53.184000	50.000000	6263.7000	0.01	6.37	20.00	LINR
C-24	52.476000	50.000000	6176.1000	0.01	4.95	20.00	LINR
C-26	53.157000	50.000000	6177.6000	0.01	6.31	20.00	LINR
C-28	53.596000	50.000000	6312.5000	0.01	7.19	20.00	LINR
C-30	53.154000	50.000000	6325.5000	0.01	6.31	20.00	LINR
C-36	52.557000	50.000000	5904.4000	0.01	5.11	20.00	LINR
O-Terphenyl	23.050000	20.000000	7464.6000	0.01	15.25	20.00	LINR

FORM VII DRO

Data File: \\Target_server\GG\chem\gc10.i\GC10BI22B1.b\ABI2341.d
Report Date: 30-Sep-2008 11:51

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gc10.i\GC10BI22B1.b\ABI2341.d
Lab Smp Id: PHC 50UG/ML
Inj Date : 23-SEP-2008 05:24
Operator : SJC Inst ID: gc10.i
Smp Info : TPHB022A.M,GC10BI22B1.B,1,PHC 50UG/ML
Misc Info : PHC50
Comment :
Method : \\TARGET_SERVER\GG\chem\gc10.i\GC10BI22B1.B\TPHB022A.m
Meth Date : 29-Sep-2008 10:19 ktang Quant Type: ESTD
Cal Date : 15-JUL-2008 18:38 Cal File: ABG2137.d
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: cv.sub
Subtraction File: \\Target_server\GG\chem\gc10.i\GC10BI22B1.b\ABI2340.d
Target Version: 4.12
Processing Host: TARGET02

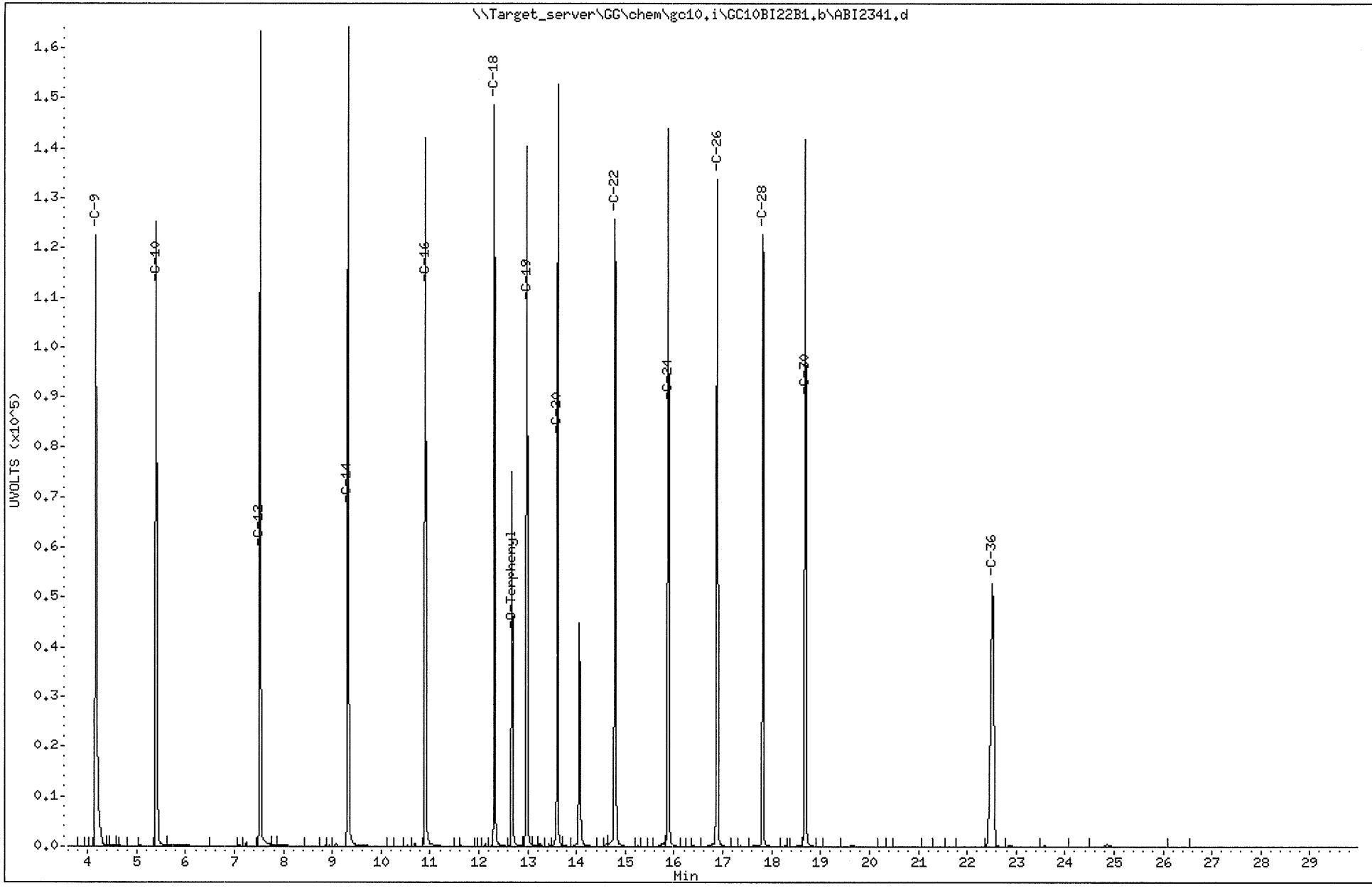
Concentration Formula: Amt * DF * (Vt/Vo)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00100	Final Volume (L)
Vo	1.000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)	REVIEW CODE
M 1 TPH Peaks C9-C36				4331532	700.000	745	
2 C-9	4.173	4.201	-0.028	306611	50.0000	53.9	
3 C-10	5.394	5.422	-0.028	307426	50.0000	53.4	
4 C-12	7.519	7.545	-0.026	305066	50.0000	54.2	
5 C-14	9.319	9.343	-0.024	312192	50.0000	53.6	
6 C-16	10.902	10.923	-0.021	309167	50.0000	53.2	
7 C-18	12.321	12.346	-0.025	311055	50.0000	53.1	
$ 8 O-Terphenyl	12.678	12.697	-0.019	149291	20.0000	23.0	
9 C-19	12.982	13.008	-0.026	309852	50.0000	52.9	
11 C-20	13.612	13.639	-0.027	312172	50.0000	52.9	
12 C-22	14.791	14.822	-0.031	313184	50.0000	53.2	
13 C-24	15.878	15.909	-0.031	308805	50.0000	52.5	
14 C-26	16.882	16.919	-0.037	308879	50.0000	53.2	
15 C-28	17.818	17.855	-0.037	315625	50.0000	53.6	
16 C-30	18.691	18.732	-0.041	316276	50.0000	53.2	
17 C-36	22.507	22.617	-0.110	295222	50.0000	52.6	

Data File: \\Target_server\GC\chem\gc10.i\GC10BI22B1.b\ABI2341.d
Date : 23-SEP-2008 05:24
Client ID:
Sample Info: TPHB022A.M,GC10BI22B1.B,1,PHC 50UG/ML
Purge Volume: 1.0
Column phase: ZB-1

Instrument: gc10.i
Operator: SJC
Column diameter: 0.25



Katahdin Analytical Services 2000102

FORM 7B
SEMIVOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 426 NLON SDG No.: CTO426-5

Instrument ID: GC10 Calibration Date: 09/23/08 Time: 1214

Lab File ID: ABI2344A Init. Calib. Date(s): 06/30/08 06/30/08

Init. Calib. Times: 1100 1525

GC Column: ZB-1 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
TPH Peaks C9-C36	742.54000	700.00000	6164.5000	0.01	6.08	20.00	LINR
C-9	53.472000	50.000000	6084.2000	0.01	6.94	20.00	LINR
C-10	53.717000	50.000000	6181.5000	0.01	7.43	20.00	LINR
C-12	54.660000	50.000000	6155.5000	0.01	9.32	20.00	LINR
C-14	53.084000	50.000000	6181.3000	0.01	6.17	20.00	LINR
C-16	53.032000	50.000000	6161.4000	0.01	6.06	20.00	LINR
C-18	52.902000	50.000000	6198.5000	0.01	5.80	20.00	LINR
C-19	52.536000	50.000000	6154.1000	0.01	5.07	20.00	LINR
C-20	52.956000	50.000000	6254.6000	0.01	5.91	20.00	LINR
C-22	52.962000	50.000000	6237.9000	0.01	5.92	20.00	LINR
C-24	52.617000	50.000000	6192.5000	0.01	5.23	20.00	LINR
C-26	52.160000	50.000000	6063.4000	0.01	4.32	20.00	LINR
C-28	52.351000	50.000000	6168.3000	0.01	4.70	20.00	LINR
C-30	52.843000	50.000000	6288.9000	0.01	5.69	20.00	LINR
C-36	53.252000	50.000000	5981.4000	0.01	6.50	20.00	LINR
O-Terphenyl	23.197000	20.000000	7511.4000	0.01	15.98	20.00	LINR

FORM VII DRO

Data File: \\Target_server\GG\chem\gc10.i\GC10BI23B1.b\ABI2344A.d
Report Date: 30-Sep-2008 11:53

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gc10.i\GC10BI23B1.b\ABI2344A.d
Lab Smp Id: PHC 50UG/ML
Inj Date : 23-SEP-2008 12:14
Operator : KGT Inst ID: gc10.i
Smp Info : TPHB022A.M,GC10BI23B1.B,1,PHC 50UG/ML
Misc Info : PHC50
Comment :
Method : \\TARGET_SERVER\GG\chem\gc10.i\GC10BI23B1.B\TPHB022A.m
Meth Date : 30-Sep-2008 09:56 ktang Quant Type: ESTD
Cal Date : 15-JUL-2008 18:38 Cal File: ABG2137.d
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: cv.sub
Subtraction File: \\Target_server\GG\chem\gc10.i\GC10BI23B1.b\ABI2343.d
Target Version: 4.12
Processing Host: TARGET02

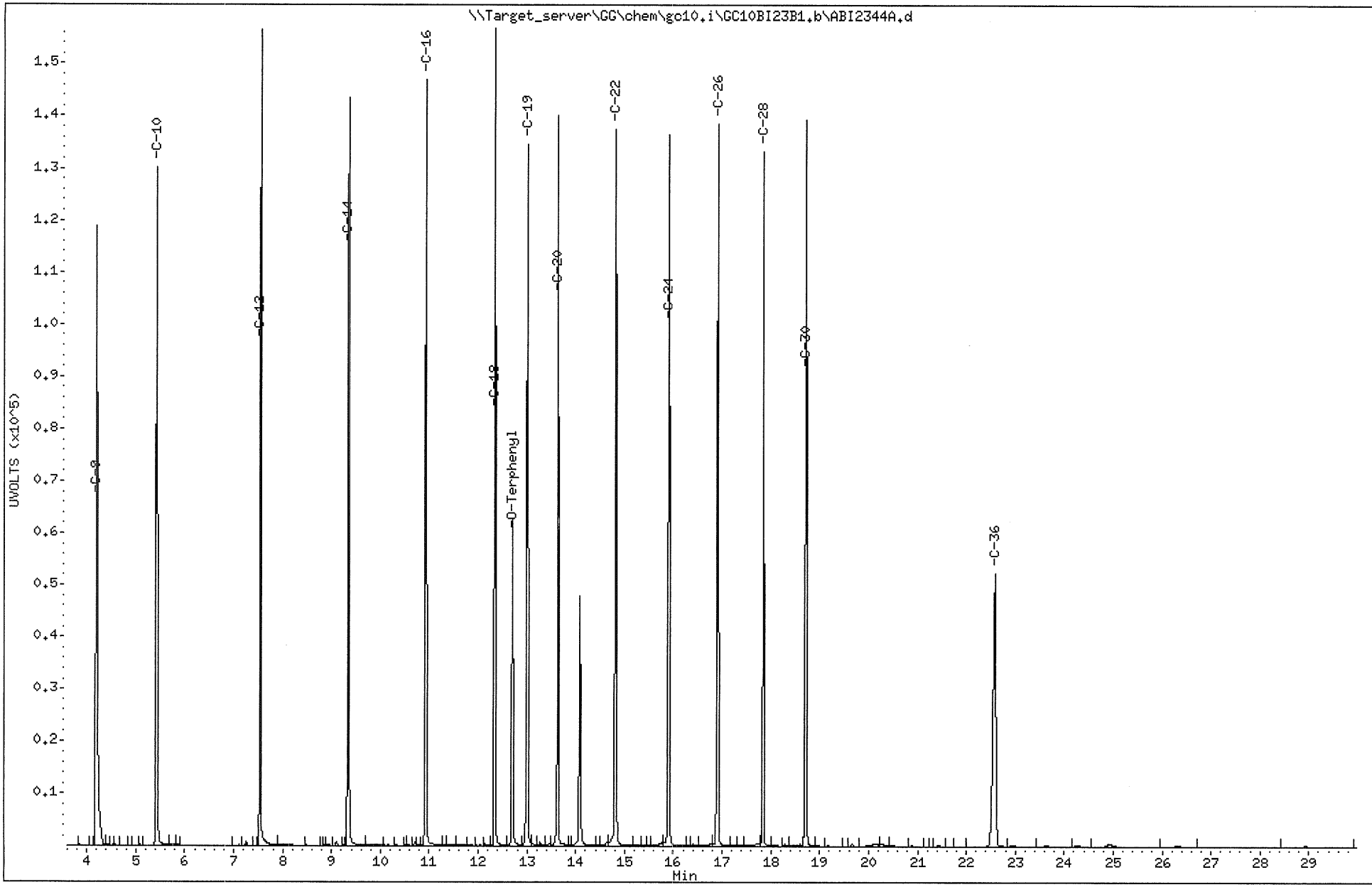
Concentration Formula: Amt * DF * (Vt/Vo)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00100	Final Volume (L)
Vo	1.000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)	REVIEW CODE
M 1 TPH Peaks C9-C36				4315168	700.000	742	
2 C-9	4.199	4.201	-0.002	304211	50.0000	53.5	
3 C-10	5.417	5.422	-0.005	309073	50.0000	53.7	
4 C-12	7.544	7.545	-0.001	307775	50.0000	54.7	
5 C-14	9.342	9.343	-0.001	309063	50.0000	53.1	
6 C-16	10.922	10.923	-0.001	308071	50.0000	53.0	
7 C-18	12.345	12.346	-0.001	309926	50.0000	52.9	
$ 8 O-Terphenyl	12.700	12.697	0.003	150228	20.0000	23.2	
9 C-19	13.003	13.008	-0.005	307707	50.0000	52.5	
11 C-20	13.636	13.639	-0.003	312728	50.0000	53.0	
12 C-22	14.814	14.822	-0.008	311896	50.0000	53.0	
13 C-24	15.903	15.909	-0.006	309624	50.0000	52.6	
14 C-26	16.907	16.919	-0.012	303168	50.0000	52.2	
15 C-28	17.842	17.855	-0.013	308413	50.0000	52.4	
16 C-30	18.718	18.732	-0.014	314444	50.0000	52.8	
17 C-36	22.576	22.617	-0.041	299069	50.0000	53.2	

Data File: \\Target_server\GG\chem\gc10.i\GC10BI23B1.b\ABI2344A.d
Date : 23-SEP-2008 12:14
Client ID:
Sample Info: TPHB022A.M,GC10BI23B1.B,1,PHC 50UG/ML
Purge Volume: 1.0
Column phase: ZB-1

Instrument: gc10.i
Operator: KGT
Column diameter: 0.25



Katahdin Analytical Services 2000105

FORM 7B
SEMIVOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 426 NLON SDG No.: CTO426-5

Instrument ID: GC10 Calibration Date: 09/23/08 Time: 2250

Lab File ID: ABI2357 Init. Calib. Date(s): 06/30/08 06/30/08

Init. Calib. Times: 1100 1525

GC Column: ZB-1 ID: 0.25 (mm)

COMPOUND	RRF or AMOUNT	RRF20.000 or AMOUNT	CCAL RRF20.000	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE	
TPH Peaks C9-C36	302.25000	280.00000	6381.7000	0.01	7.95	20.00	LINR	
C-9	20.841000	20.000000	6064.4000	0.01	4.20	20.00	LINR	
C-10	20.637000	20.000000	6025.8000	0.01	3.18	20.00	LINR	
C-12	23.280000	20.000000	6345.0000	0.01	16.40	20.00	LINR	
C-14	20.997000	20.000000	6276.7000	0.01	4.98	20.00	LINR	
C-16	20.825000	20.000000	6211.0000	0.01	4.12	20.00	LINR	
C-18	20.711000	20.000000	6195.0000	0.01	3.56	20.00	LINR	
C-19	20.774000	20.000000	6209.8000	0.01	3.87	20.00	LINR	
C-20	20.793000	20.000000	6283.2000	0.01	3.96	20.00	LINR	
C-22	20.601000	20.000000	6227.1000	0.01	3.00	20.00	LINR	
C-24	24.043000	20.000000	7216.4000	0.01	20.22	20.00	LINR	<-
C-26	23.845000	20.000000	7050.2000	0.01	19.22	20.00	LINR	
C-28	24.382000	20.000000	7323.1000	0.01	21.91	20.00	LINR	<-
C-30	18.355000	20.000000	5571.0000	0.01	-8.22	20.00	LINR	
C-36	22.168000	20.000000	6344.4000	0.01	10.84	20.00	LINR	
O-Terphenyl	8.9727000	8.0000000	7479.8000	0.01	12.16	20.00	LINR	

FORM VII DRO

Data File: \\Target_server\GG\chem\gc10.i\GC10BI23B1.b\ABI2357.d
Report Date: 30-Sep-2008 11:53

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gc10.i\GC10BI23B1.b\ABI2357.d
Lab Smp Id: PHC 20UG/ML
Inj Date : 23-SEP-2008 22:50
Operator : KGT Inst ID: gc10.i
Smp Info : TPHB022A.M,GC10BI23B1.B,1,PHC 20UG/ML
Misc Info : PHC20
Comment :
Method : \\TARGET_SERVER\GG\chem\gc10.i\GC10BI23B1.B\TPHB022A.m
Meth Date : 30-Sep-2008 09:56 ktang Quant Type: ESTD
Cal Date : 15-JUL-2008 18:38 Cal File: ABG2137.d
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: cv.sub
Subtraction File: \\Target_server\GG\chem\gc10.i\GC10BI23B1.b\ABI2356.d
Target Version: 4.12
Processing Host: TARGET02

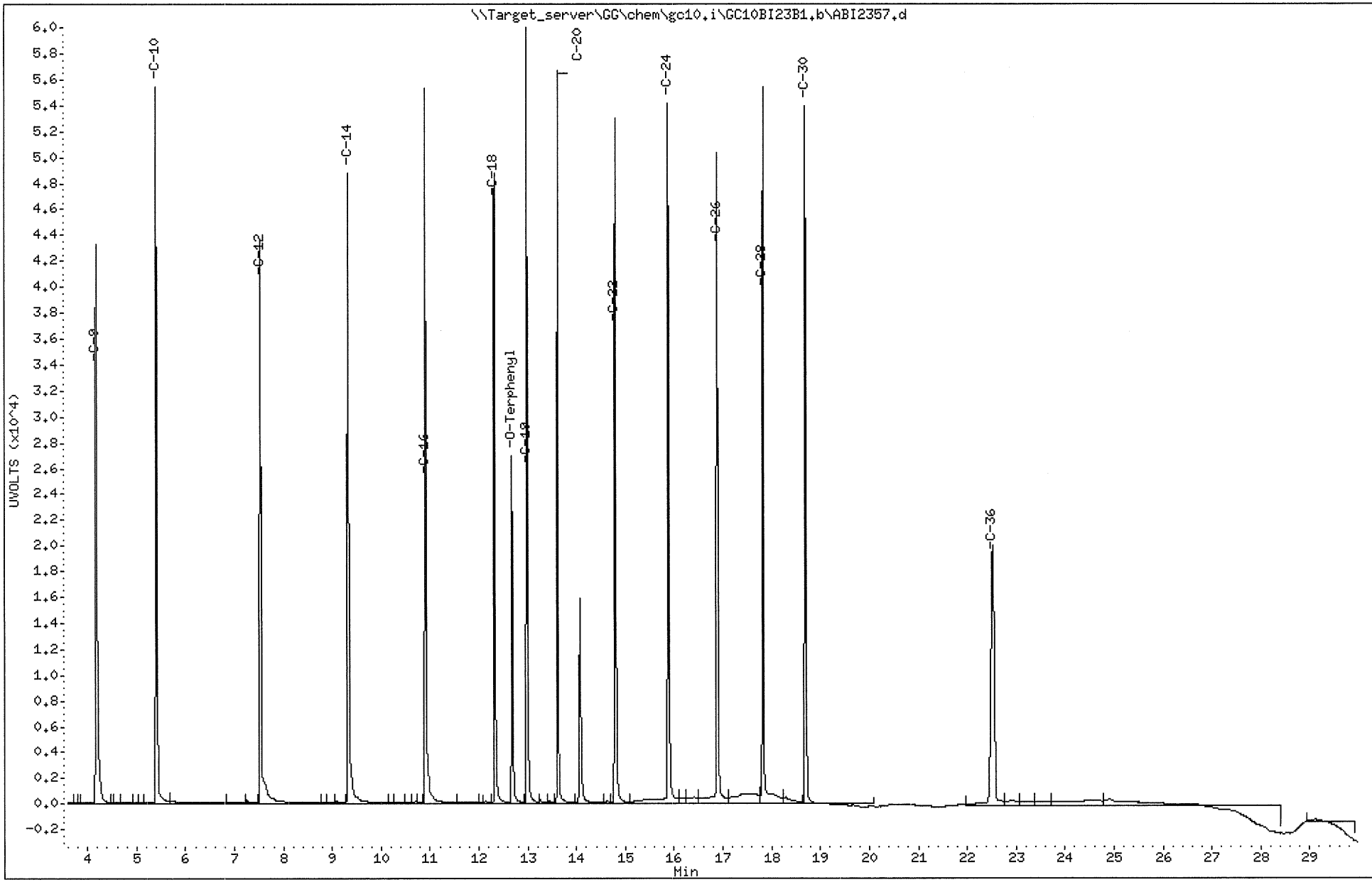
Concentration Formula: Amt * DF * (Vt/Vo)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00100	Final Volume (L)
Vo	1.000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)	REVIEW CODE
M 1 TPH Peaks C9-C36				1786864	700.000	302	
2 C-9	4.183	4.201	-0.018	121289	50.0000	20.8	
3 C-10	5.401	5.422	-0.021	120516	50.0000	20.6	
4 C-12	7.527	7.545	-0.018	126901	50.0000	23.3	
5 C-14	9.323	9.343	-0.020	125534	50.0000	21.0	
6 C-16	10.906	10.923	-0.017	124220	50.0000	20.8	
7 C-18	12.327	12.346	-0.019	123900	50.0000	20.7	
$ 8 O-Terphenyl	12.682	12.697	-0.015	59838	20.0000	8.97	
9 C-19	12.986	13.008	-0.022	124196	50.0000	20.8	
11 C-20	13.615	13.639	-0.024	125664	50.0000	20.8	
12 C-22	14.797	14.822	-0.025	124542	50.0000	20.6	
13 C-24	15.882	15.909	-0.027	144327	50.0000	24.0	
14 C-26	16.888	16.919	-0.031	141004	50.0000	23.8	
15 C-28	17.823	17.855	-0.032	146462	50.0000	24.4	
16 C-30	18.695	18.732	-0.037	111420	50.0000	18.4	
17 C-36	22.516	22.617	-0.101	126889	50.0000	22.2	

Data File: \\Target_server\GG\chem\gc10.i\GC10BI23B1.b\ABI2357.d
Date : 23-SEP-2008 22:50
Client ID:
Sample Info: TPHB022A.M,GC10BI23B1.B,1,PHC 20UG/ML
Purge Volume: 1.0
Column phase: ZB-1

Instrument: gc10.i
Operator: KGT
Column diameter: 0.25



Katahdin Analytical Services 2000108

FORM 7B
SEMIVOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 426 NLON SDG No.: CTO426-5

Instrument ID: GC10 Calibration Date: 09/24/08 Time: 0717

Lab File ID: ABI2370 Init. Calib. Date(s): 06/30/08 06/30/08

Init. Calib. Times: 1100 1525

GC Column: ZB-1 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
TPH Peaks C9-C36	756.64000	700.00000	6280.0000	0.01	8.09	20.00	LINR
C-9	54.686000	50.000000	6220.4000	0.01	9.37	20.00	LINR
C-10	54.685000	50.000000	6291.9000	0.01	9.37	20.00	LINR
C-12	55.839000	50.000000	6291.4000	0.01	11.68	20.00	LINR
C-14	54.432000	50.000000	6335.4000	0.01	8.86	20.00	LINR
C-16	54.246000	50.000000	6299.9000	0.01	8.49	20.00	LINR
C-18	54.247000	50.000000	6353.9000	0.01	8.49	20.00	LINR
C-19	53.965000	50.000000	6319.2000	0.01	7.93	20.00	LINR
C-20	53.959000	50.000000	6371.3000	0.01	7.92	20.00	LINR
C-22	54.814000	50.000000	6452.3000	0.01	9.63	20.00	LINR
C-24	53.988000	50.000000	6351.1000	0.01	7.98	20.00	LINR
C-26	53.325000	50.000000	6196.8000	0.01	6.65	20.00	LINR
C-28	53.242000	50.000000	6271.5000	0.01	6.48	20.00	LINR
C-30	51.718000	50.000000	6156.4000	0.01	3.44	20.00	LINR
C-36	53.498000	50.000000	6008.7000	0.01	7.00	20.00	LINR
O-Terphenyl	23.634000	20.000000	7650.2000	0.01	18.17	20.00	LINR

FORM VII DRO

Data File: \\Target_server\GG\chem\gc10.i\GC10BI23B1.b\ABI2370.d
Report Date: 30-Sep-2008 11:53

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gc10.i\GC10BI23B1.b\ABI2370.d
Lab Smp Id: PHC 50UG/ML
Inj Date : 24-SEP-2008 07:17
Operator : KGT Inst ID: gc10.i
Smp Info : TPHB022A.M,GC10BI23B1.B,1,PHC 50UG/ML
Misc Info : PHC50
Comment :
Method : \\TARGET_SERVER\GG\chem\gc10.i\GC10BI23B1.B\TPHB022A.m
Meth Date : 30-Sep-2008 09:56 ktang Quant Type: ESTD
Cal Date : 15-JUL-2008 18:38 Cal File: ABG2137.d
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: cv.sub
Subtraction File: \\Target_server\GG\chem\gc10.i\GC10BI23B1.b\ABI2369.d
Target Version: 4.12
Processing Host: TARGET02

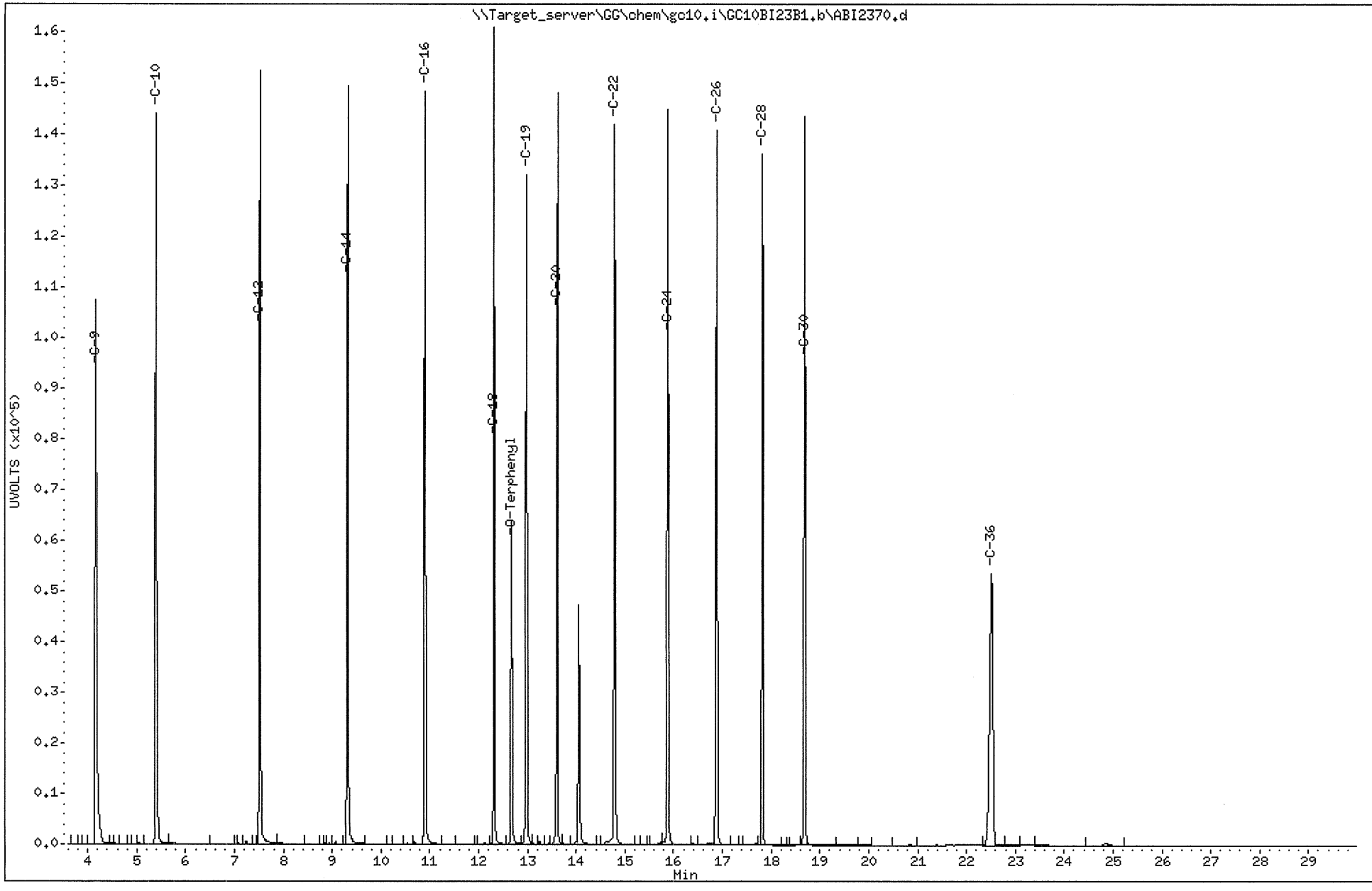
Concentration Formula: Amt * DF * (Vt/Vo)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00100	Final Volume (L)
Vo	1.000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)	REVIEW CODE
M 1 TPH Peaks C9-C36				4396019	700.000	757	
2 C-9	4.168	4.201	-0.033	311021	50.0000	54.7	
3 C-10	5.388	5.422	-0.034	314594	50.0000	54.7	
4 C-12	7.517	7.545	-0.028	314570	50.0000	55.8	
5 C-14	9.316	9.343	-0.027	316771	50.0000	54.4	
6 C-16	10.895	10.923	-0.028	314997	50.0000	54.2	
7 C-18	12.319	12.346	-0.027	317697	50.0000	54.2	
$ 8 O-Terphenyl	12.674	12.697	-0.023	153005	20.0000	23.6	
9 C-19	12.978	13.008	-0.030	315962	50.0000	54.0	
11 C-20	13.610	13.639	-0.029	318566	50.0000	54.0	
12 C-22	14.788	14.822	-0.034	322617	50.0000	54.8	
13 C-24	15.877	15.909	-0.032	317554	50.0000	54.0	
14 C-26	16.880	16.919	-0.039	309842	50.0000	53.3	
15 C-28	17.816	17.855	-0.039	313573	50.0000	53.2	
16 C-30	18.691	18.732	-0.041	307822	50.0000	51.7	
17 C-36	22.508	22.617	-0.109	300433	50.0000	53.5	

Data File: \\Target_server\GG\chem\gc10.i\GC10BI23B1.b\ABI2370.d
Date : 24-SEP-2008 07:17
Client ID:
Sample Info: TPHB022A.M,GC10BI23B1.B,1,PHC 50UG/ML
Purge Volume: 1.0
Column phase: ZB-1

Instrument: gc10.i
Operator: KGT
Column diameter: 0.25



Katahdin Analytical Services 2000111

FORM 7B
SEMIVOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 426 NLON SDG No.: CTO426-5

Instrument ID: GC10 Calibration Date: 09/24/08 Time: 1202

Lab File ID: ABI2373 Init. Calib. Date(s): 06/30/08 06/30/08

Init. Calib. Times: 1100 1525

GC Column: ZB-1 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
TPH Peaks C9-C36	752.49000	700.00000	6246.4000	0.01	7.50	20.00	LINR
C-9	54.386000	50.000000	6186.8000	0.01	8.77	20.00	LINR
C-10	54.440000	50.000000	6263.9000	0.01	8.88	20.00	LINR
C-12	55.237000	50.000000	6222.0000	0.01	10.47	20.00	LINR
C-14	53.529000	50.000000	6232.2000	0.01	7.06	20.00	LINR
C-16	53.411000	50.000000	6204.7000	0.01	6.82	20.00	LINR
C-18	53.552000	50.000000	6273.6000	0.01	7.10	20.00	LINR
C-19	53.501000	50.000000	6265.7000	0.01	7.00	20.00	LINR
C-20	53.673000	50.000000	6338.1000	0.01	7.35	20.00	LINR
C-22	53.464000	50.000000	6296.1000	0.01	6.93	20.00	LINR
C-24	53.650000	50.000000	6312.0000	0.01	7.30	20.00	LINR
C-26	52.586000	50.000000	6112.3000	0.01	5.17	20.00	LINR
C-28	53.420000	50.000000	6292.0000	0.01	6.84	20.00	LINR
C-30	54.093000	50.000000	6436.1000	0.01	8.19	20.00	LINR
C-36	53.549000	50.000000	6014.3000	0.01	7.10	20.00	LINR
O-Terphenyl	23.214000	20.000000	7516.6000	0.01	16.07	20.00	LINR

FORM VII DRO

Data File: \\Target_server\GG\chem\gc10.i\GC10BI24B1.b\ABI2373.d
Report Date: 30-Sep-2008 11:53

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gc10.i\GC10BI24B1.b\ABI2373.d
Lab Smp Id: PHC 50UG/ML
Inj Date : 24-SEP-2008 12:02
Operator : KGT Inst ID: gc10.i
Smp Info : TPHB022A.M,GC10BI24B1.B,1,PHC 50UG/ML
Misc Info : PHC50
Comment :
Method : \\TARGET_SERVER\GG\chem\gc10.i\GC10BI24B1.B\TPHB022A.m
Meth Date : 25-Sep-2008 08:45 ktang Quant Type: ESTD
Cal Date : 15-JUL-2008 18:38 Cal File: ABG2137.d
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: cv.sub
Subtraction File: \\Target_server\GG\chem\gc10.i\GC10BI24B1.b\ABI2372.d
Target Version: 4.12
Processing Host: TARGET02

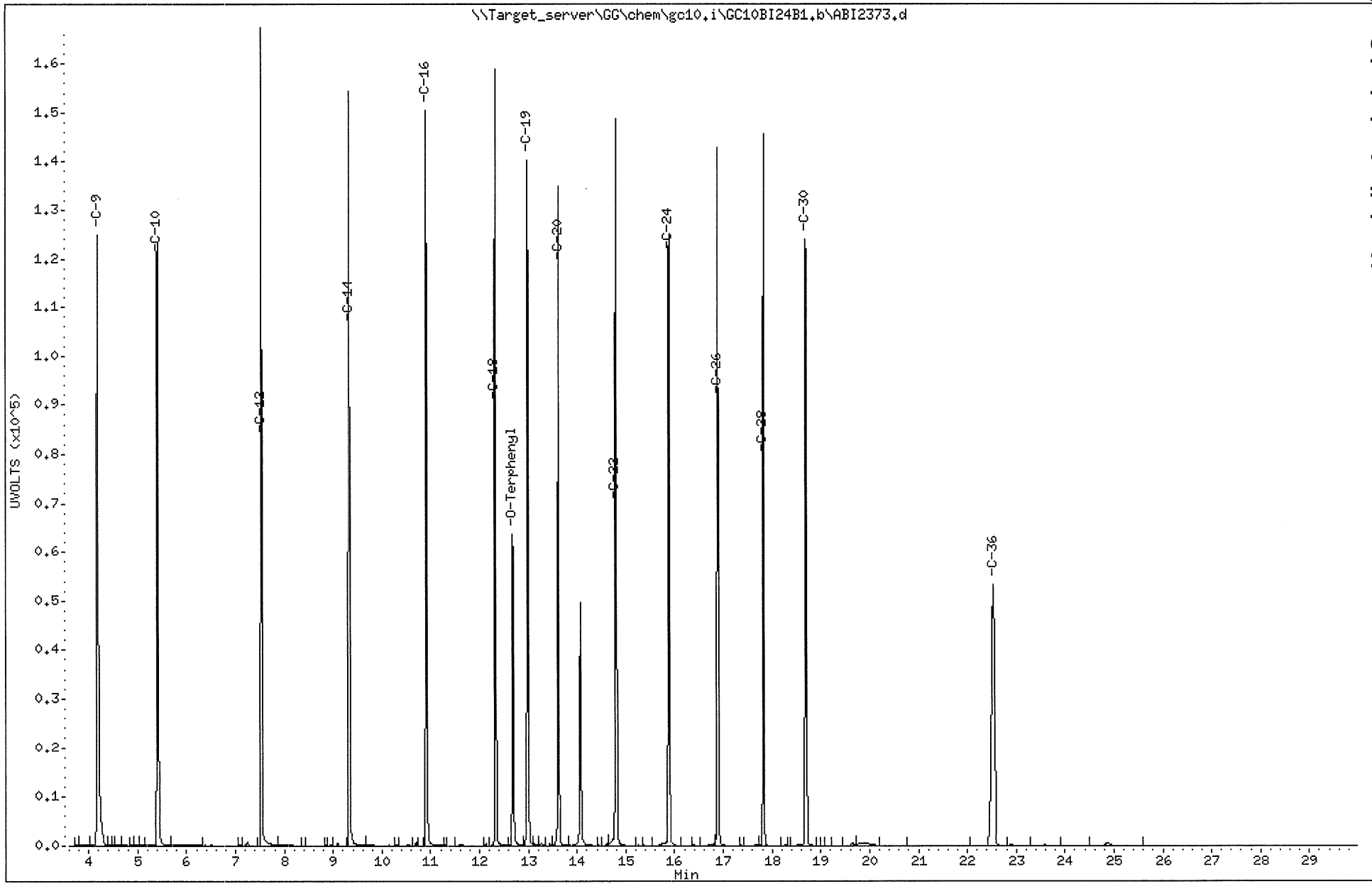
Concentration Formula: Amt * DF * (Vt/Vo)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00100	Final Volume (L)
Vo	1.000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)	REVIEW CODE
M 1 TPH Peaks C9-C36				4372487	700.000	752	
2 C-9	4.186	4.201	-0.015	309340	50.0000	54.4	
3 C-10	5.407	5.422	-0.015	313194	50.0000	54.4	
4 C-12	7.531	7.545	-0.014	311100	50.0000	55.2	
5 C-14	9.330	9.343	-0.013	311609	50.0000	53.5	
6 C-16	10.908	10.923	-0.015	310234	50.0000	53.4	
7 C-18	12.331	12.346	-0.015	313682	50.0000	53.6	
$ 8 O-Terphenyl	12.685	12.697	-0.012	150332	20.0000	23.2	
9 C-19	12.989	13.008	-0.019	313283	50.0000	53.5	
11 C-20	13.621	13.639	-0.018	316903	50.0000	53.7	
12 C-22	14.799	14.822	-0.023	314806	50.0000	53.5	
13 C-24	15.887	15.909	-0.022	315600	50.0000	53.6	
14 C-26	16.891	16.919	-0.028	305613	50.0000	52.6	
15 C-28	17.826	17.855	-0.029	314601	50.0000	53.4	
16 C-30	18.699	18.732	-0.033	321806	50.0000	54.1	
17 C-36	22.525	22.617	-0.092	300716	50.0000	53.5	

Data File: \\Target_server\GC\chem\gc10.i\GC10BI24B1.b\ABI2373.d
Date : 24-SEP-2008 12:02
Client ID:
Sample Info: TPHB022A.M,GC10BI24B1.B,1,PHC 50UG/ML
Purge Volume: 1.0
Column phase: ZB-1

Instrument: gc10.i
Operator: KGT
Column diameter: 0.25



Katahdin Analytical Services 2000114

FORM 7B
SEMIVOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 426 NLON SDG No.: CTO426-5

Instrument ID: GC10 Calibration Date: 09/24/08 Time: 2245

Lab File ID: ABI2387 Init. Calib. Date(s): 06/30/08 06/30/08

Init. Calib. Times: 1100 1525

GC Column: ZB-1 ID: 0.25 (mm)

COMPOUND	RRF or AMOUNT	RRF20.000 or AMOUNT	CCAL RRF20.000	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE	
TPH Peaks C9-C36	301.51000	280.00000	6368.2000	0.01	7.68	20.00	LINR	
C-9	21.742000	20.000000	6317.0000	0.01	8.71	20.00	LINR	
C-10	23.620000	20.000000	6876.0000	0.01	18.10	20.00	LINR	
C-12	24.157000	20.000000	6597.8000	0.01	20.78	20.00	LINR	<-
C-14	21.647000	20.000000	6462.4000	0.01	8.24	20.00	LINR	
C-16	21.389000	20.000000	6371.9000	0.01	6.94	20.00	LINR	
C-18	21.238000	20.000000	6347.4000	0.01	6.19	20.00	LINR	
C-19	21.324000	20.000000	6368.6000	0.01	6.62	20.00	LINR	
C-20	21.270000	20.000000	6421.8000	0.01	6.35	20.00	LINR	
C-22	21.103000	20.000000	6372.6000	0.01	5.52	20.00	LINR	
C-24	21.145000	20.000000	6378.0000	0.01	5.72	20.00	LINR	
C-26	21.116000	20.000000	6268.6000	0.01	5.58	20.00	LINR	
C-28	21.014000	20.000000	6347.8000	0.01	5.07	20.00	LINR	
C-30	21.069000	20.000000	6369.8000	0.01	5.34	20.00	LINR	
C-36	19.677000	20.000000	5654.8000	0.01	-1.62	20.00	LINR	
O-Terphenyl	9.1755000	8.0000000	7640.9000	0.01	14.69	20.00	LINR	

FORM VII DRO

Data File: \\Target_server\GG\chem\gc10.i\GC10BI24B1.b\ABI2387.d
Report Date: 30-Sep-2008 11:53

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gc10.i\GC10BI24B1.b\ABI2387.d
Lab Smp Id: PHC 20UG/ML
Inj Date : 24-SEP-2008 22:45
Operator : KGT Inst ID: gc10.i
Smp Info : TPHB022A.M,GC10BI24B1.B,1,PHC 20UG/ML
Misc Info : PHC20
Comment :
Method : \\TARGET_SERVER\GG\chem\gc10.i\GC10BI24B1.B\TPHB022A.m
Meth Date : 25-Sep-2008 08:45 ktang Quant Type: ESTD
Cal Date : 15-JUL-2008 18:38 Cal File: ABG2137.d
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: cv.sub
Subtraction File: \\Target_server\GG\chem\gc10.i\GC10BI24B1.b\ABI2386.d
Target Version: 4.12
Processing Host: TARGET02

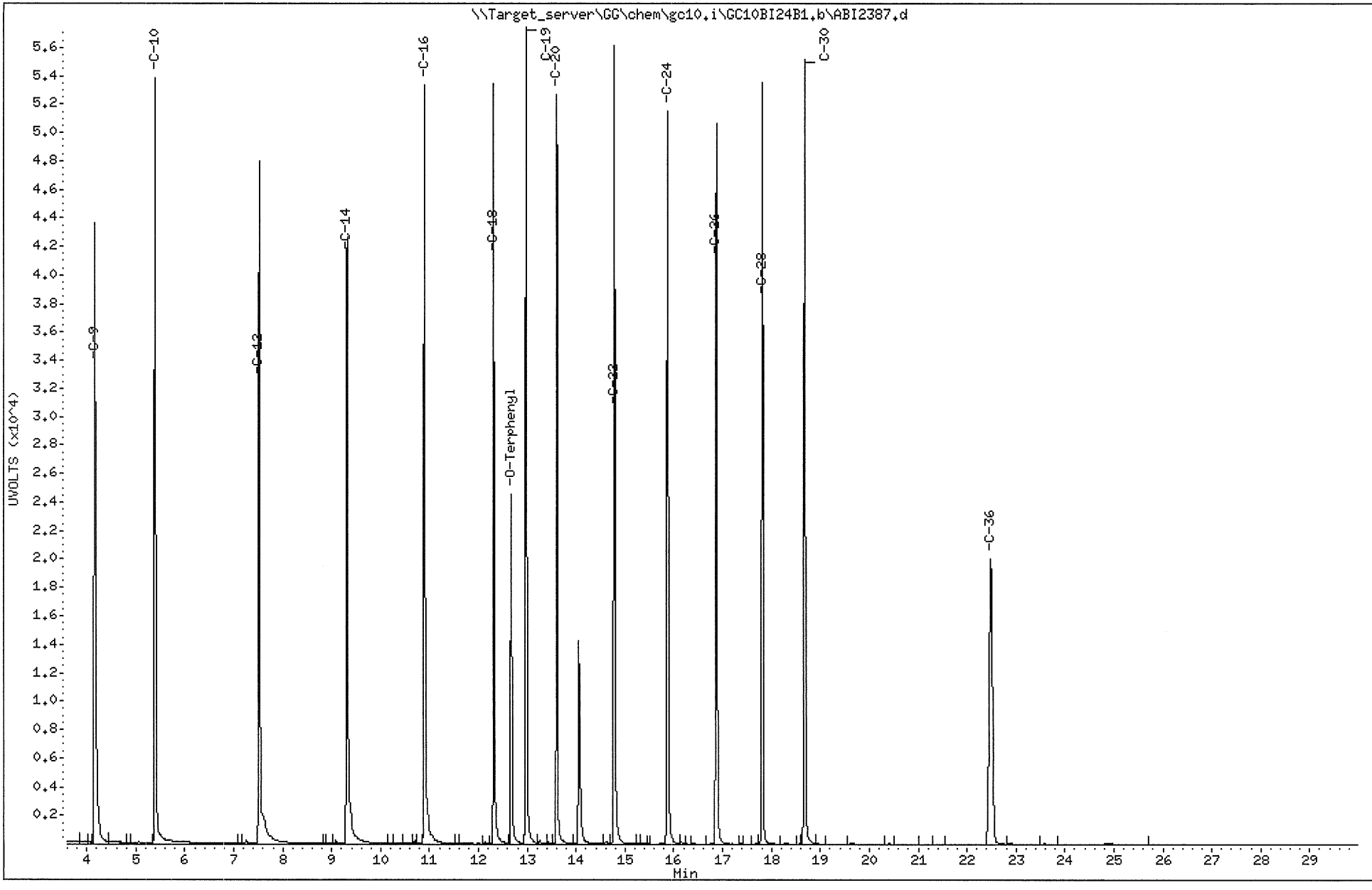
Concentration Formula: Amt * DF * (Vt/Vo)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00100	Final Volume (L)
Vo	1.000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)	REVIEW CODE
M 1 TPH Peaks C9-C36				1783094	700.000	302	
2 C-9	4.170	4.201	-0.031	126340	50.0000	21.7	
3 C-10	5.389	5.422	-0.033	137520	50.0000	23.6	
4 C-12	7.517	7.545	-0.028	131957	50.0000	24.2	
5 C-14	9.313	9.343	-0.030	129248	50.0000	21.6	
6 C-16	10.894	10.923	-0.029	127438	50.0000	21.4	
7 C-18	12.316	12.346	-0.030	126948	50.0000	21.2	
$ 8 O-Terphenyl	12.671	12.697	-0.026	61127	20.0000	9.18	
9 C-19	12.974	13.008	-0.034	127373	50.0000	21.3	
11 C-20	13.604	13.639	-0.035	128436	50.0000	21.3	
12 C-22	14.785	14.822	-0.037	127452	50.0000	21.1	
13 C-24	15.870	15.909	-0.039	127561	50.0000	21.1	
14 C-26	16.876	16.919	-0.043	125372	50.0000	21.1	
15 C-28	17.810	17.855	-0.045	126957	50.0000	21.0	
16 C-30	18.681	18.732	-0.051	127397	50.0000	21.1	
17 C-36	22.482	22.617	-0.135	113095	50.0000	19.7	

Data File: \\Target_server\GC\chem\gc10.i\GC10BI24B1.b\ABI2387.d
Date : 24-SEP-2008 22:45
Client ID:
Sample Info: TPHB022A.M,GC10BI24B1.B,1,PHC 20UG/ML
Purge Volume: 1.0
Column phase: ZB-1

Instrument: gc10.i
Operator: KGT
Column diameter: 0.25



Katahdin Analytical Services 2000117

Raw QC Data Section

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client:
Project: CTO 426 NLON
PO No:
Sample Date:
Received Date:
Extraction Date: 09/12/08
Analysis Date: 23-SEP-2008 17:02
Report Date: 09/29/2008
Matrix: WATER
% Solids: NA

Lab ID: WG55625-1
Client ID: WG55625-Blank
SDG: CTO426-5
Extracted by: CB
Extraction Method: SW846 3510
Analyst: KGT
Analysis Method: SW846 M8015B
Lab Prep Batch: WG55625
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
	Extractable TPH C9-C36	U	75	1.0	75	75	39
	O-Terphenyl		76%				

Data File: \\Target_server\GG\chem\gc10.i\GC10BI23B1.b\ABI2348.d
Report Date: 30-Sep-2008 11:55

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gc10.i\GC10BI23B1.b\ABI2348.d
Lab Smp Id: WG55625-1 Client Smp ID: WG55625-Blank
Inj Date : 23-SEP-2008 17:02
Operator : KGT Inst ID: gc10.i
Smp Info : TPHB022A.M,GC10BI23B1.B,1,WG55625-1
Misc Info : SW846 M8015B
Comment :
Method : \\TARGET_SERVER\GG\chem\gc10.i\GC10BI23B1.B\TPHB022A.m
Meth Date : 30-Sep-2008 09:56 ktang Quant Type: ESTD
Cal Date : 15-JUL-2008 18:38 Cal File: ABG2137.d
Als bottle: 1 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: SW8015M-TPH.sub
Subtraction File: \\Target_server\GG\chem\gc10.i\GC10BI23B1.b\ABI2343.d
Target Version: 4.12
Processing Host: TARGET02

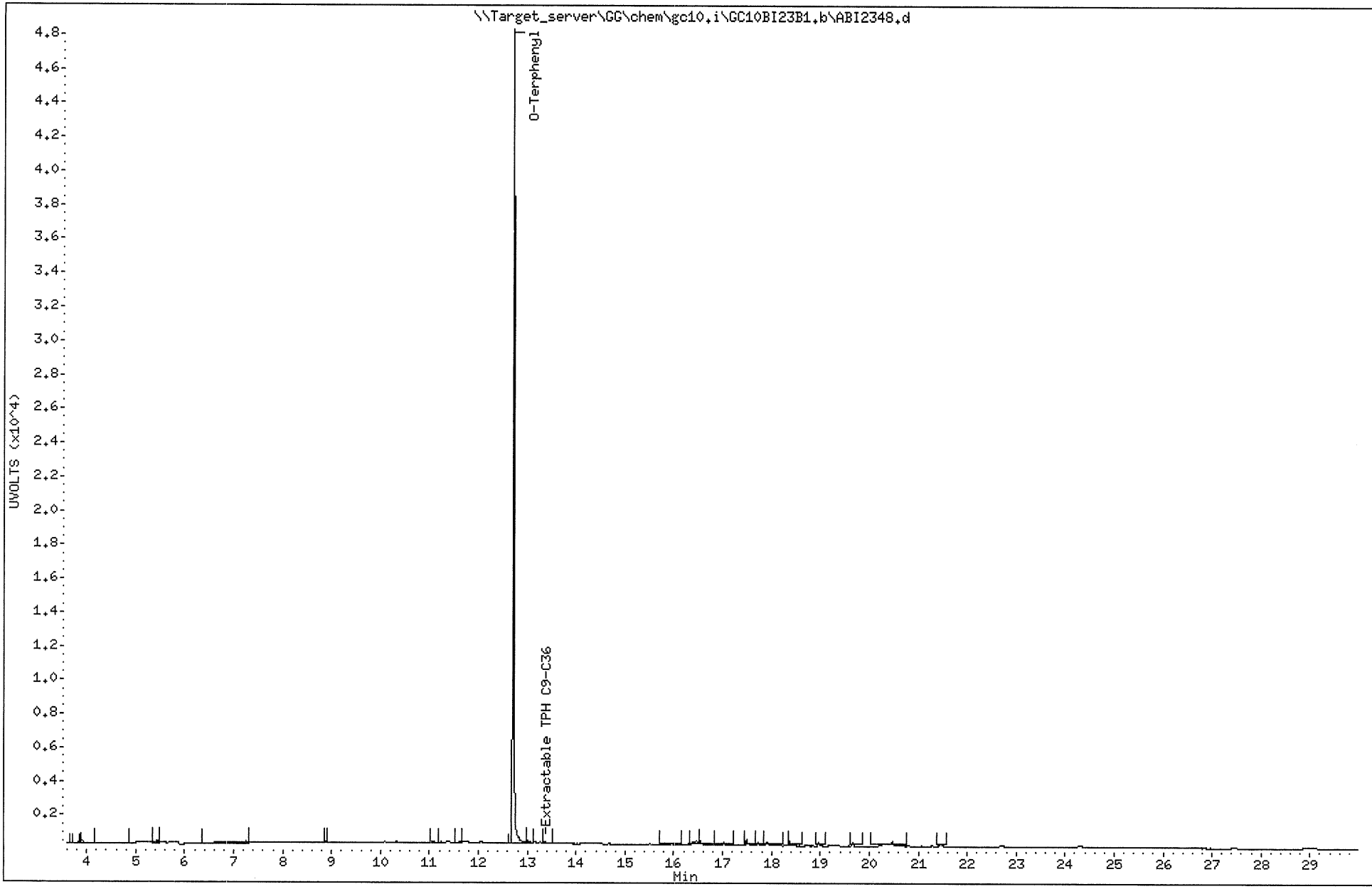
Concentration Formula: Amt * DF * (Vt/Vo)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00100	Final Volume (L)
Vo	1.000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/L)	REVIEW CODE
$ 8 O-Terphenyl	12.708	12.697	0.011	99680	15.2426	15.2	

Data File: \\Target_server\GG\chem\gc10.i\GC10BI23B1.b\ABI2348.d
Date : 23-SEP-2008 17:02
Client ID: WG55625-Blank
Sample Info: TPHB022A.M,GC10BI23B1.B,1,WG55625-1
Purge Volume: 1.0
Column phase: ZB-1

Instrument: gc10.i
Operator: KGT
Column diameter: 0.25



Katahdin Analytical Services 2000121

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client:
Project: CTO 426 NLON
PO No:
Sample Date:
Received Date:
Extraction Date: 09/16/08
Analysis Date: 22-SEP-2008 16:32
Report Date: 10/01/2008
Matrix: WATER
% Solids: NA

Lab ID: WG55724-1
Client ID: WG55724-Blank
SDG: CTO426-5
Extracted by: CB
Extraction Method: SW846 3510
Analyst: KGT
Analysis Method: SW846 M8015B
Lab Prep Batch: WG55724
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
	Extractable TPH C9-C36	U	75	1.0	75	75	39
	O-Terphenyl		76%				

Data File: \\Target_server\GG\chem\gc10.i\GC10BI22B1.b\ABI2321.d
Report Date: 30-Sep-2008 11:55

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gc10.i\GC10BI22B1.b\ABI2321.d
Lab Smp Id: WG55724-1 Client Smp ID: WG55724-Blank
Inj Date : 22-SEP-2008 16:32
Operator : KGT Inst ID: gc10.i
Smp Info : TPHB022A.M,GC10BI22B1.B,1,WG55724-1
Misc Info : SW846 M8015B
Comment :
Method : \\TARGET_SERVER\GG\chem\gc10.i\GC10BI22B1.B\TPHB022A.m
Meth Date : 29-Sep-2008 10:19 ktang Quant Type: ESTD
Cal Date : 15-JUL-2008 18:38 Cal File: ABG2137.d
Als bottle: 1 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: SW8015M-TPH.sub
Subtraction File: \\Target_server\GG\chem\gc10.i\GC10BI22B1.b\ABI2317.d
Target Version: 4.12
Processing Host: TARGET02

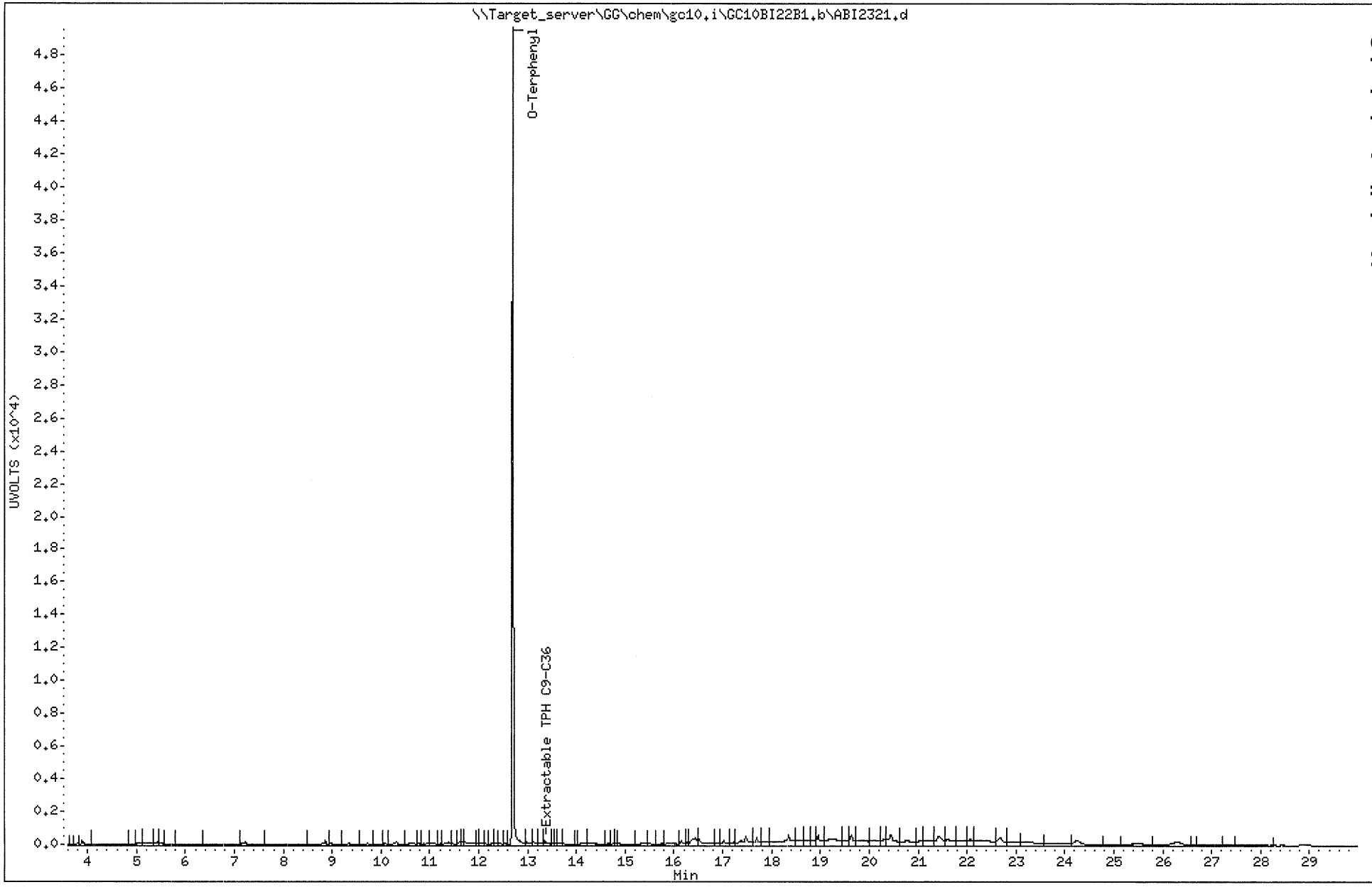
Concentration Formula: Amt * DF * (Vt/Vo)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00100	Final Volume (L)
Vo	1.000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/L)	REVIEW CODE
$ 8 O-Terphenyl	12.694	12.697	-0.003	99918	15.2801	15.3	

Data File: \\Target_server\GG\chem\gc10.i\GC10BI22B1.b\ABI2321.d
Date : 22-SEP-2008 16:32
Client ID: WG55724-Blank
Sample Info: TPHB022A.M,GC10BI22B1.B,1,WG55724-1
Purge Volume: 1.0
Column phase: ZB-1

Instrument: gc10.i
Operator: KGT
Column diameter: 0.25



Katahdin Analytical Services 2000124

KATAHDIN ANALYTICAL SERVICES
LAB CONTROL SAMPLE

Client:
Project: CTO 426 NLON
PO No:
Sample Date:
Received Date:
Extraction Date: 09/12/08
Analysis Date: 09/23/08
Report Date: 09/29/2008
Matrix: WATER

Lab ID: WG55625-2 & WG55625-3
Client ID: WG55625-LCS & WG55625-LCSD
SDG: CTO426-5
Extracted by: CB
Extraction Method: SW846 3510
Analyst: KGT
Analysis Method: SW846 M8015B
Lab Prep Batch: WG55625
Units: ug/L

COMPOUND	LCS SPIKE	LCSD SPIKE	SAMPLE CONC.	LCS CONC.	LCSD CONC.	LCS %REC.	LCSD %REC.	%RPD	%RPD LIMIT	QC. LIMITS
Extractable TPH C9-C36	500	500	NA	306	275	61	55	11	30	33-135

FORM III DRO-1

ABI2349.d & ABI2350.d

Data File: \\Target_server\GG\chem\gc10.i\GC10BI23B1.b\ABI2349.d
Report Date: 30-Sep-2008 11:55

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gc10.i\GC10BI23B1.b\ABI2349.d
Lab Smp Id: WG55625-2 Client Smp ID: WG55625-LCS
Inj Date : 23-SEP-2008 17:40
Operator : KGT Inst ID: gc10.i
Smp Info : TPHB022A.M,GC10BI23B1.B,1,WG55625-2
Misc Info : SW846 M8015B
Comment :
Method : \\TARGET_SERVER\GG\chem\gc10.i\GC10BI23B1.B\TPHB022A.m
Meth Date : 30-Sep-2008 09:56 ktang Quant Type: ESTD
Cal Date : 15-JUL-2008 18:38 Cal File: ABG2137.d
Als bottle: 1 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: SW8015M-TPH.sub
Subtraction File: \\Target_server\GG\chem\gc10.i\GC10BI23B1.b\ABI2343.d
Target Version: 4.12
Processing Host: TARGET02

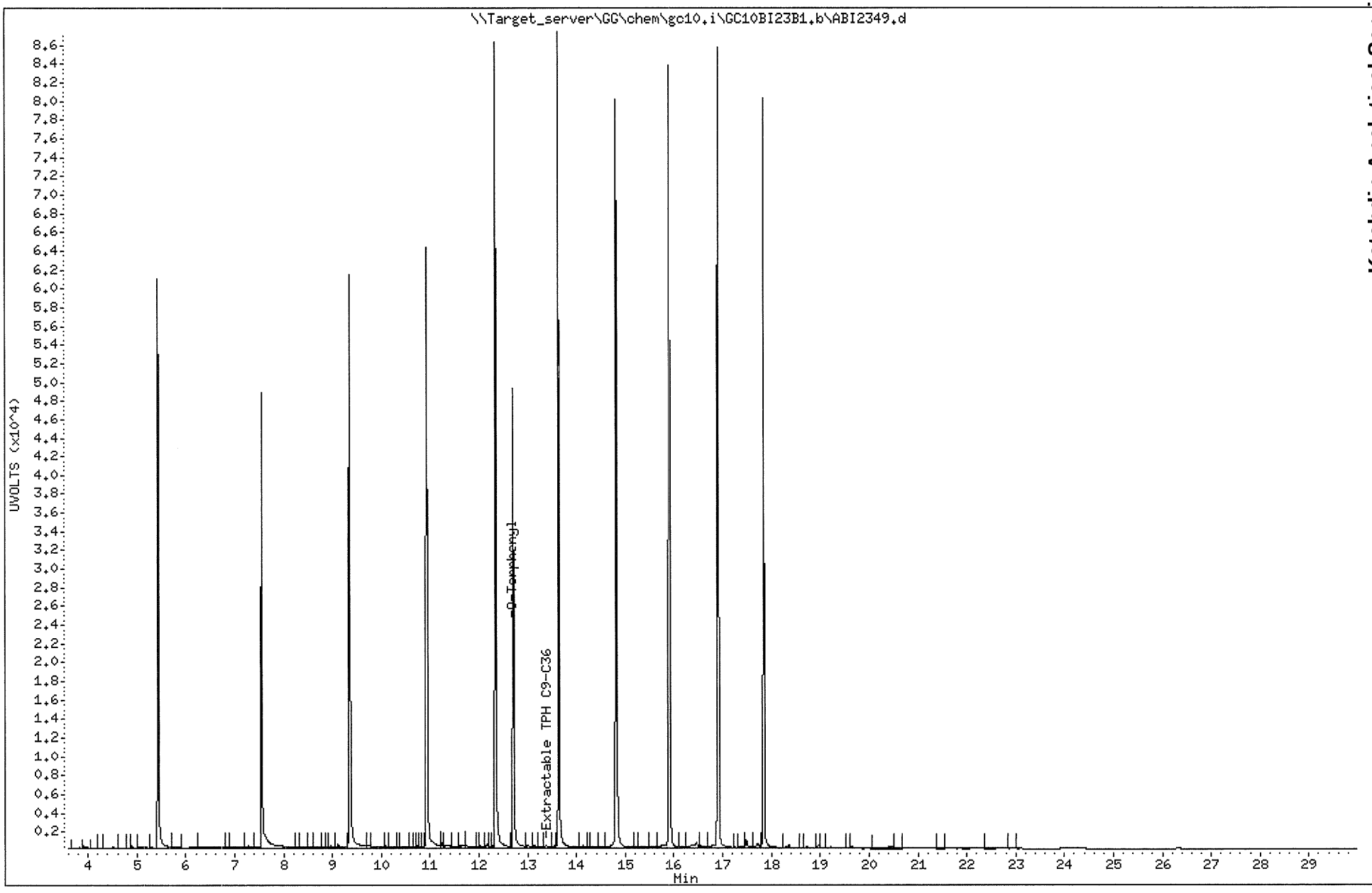
Concentration Formula: Amt * DF * (Vt/Vo)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00100	Final Volume (L)
Vo	1.000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/L)	REVIEW CODE
$ 8 O-Terphenyl	12.705	12.697	0.008	100138	15.3147	15.3	
S 10 Extractable TPH C9-C36	4.102-22.718			1810195	306.239	306	

Data File: \\Target_server\GG\chem\gc10.i\GC10BI23B1.b\ABI2349.d
Date : 23-SEP-2008 17:40
Client ID: WG55625-LCS
Sample Info: TPHB022A.M,GC10BI23B1.B,1,WG55625-2
Purge Volume: 1.0
Column phase: ZB-1

Instrument: gc10.i
Operator: KGT
Column diameter: 0.25



Katahdin Analytical Services 2000127

Data File: \\Target_server\GG\chem\gc10.i\GC10BI23B1.b\ABI2350.d
Report Date: 30-Sep-2008 11:55

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gc10.i\GC10BI23B1.b\ABI2350.d
Lab Smp Id: WG55625-3 Client Smp ID: WG55625-LCSD
Inj Date : 23-SEP-2008 18:19
Operator : KGT Inst ID: gc10.i
Smp Info : TPHB022A.M,GC10BI23B1.B,1,WG55625-3
Misc Info : SW846 M8015B
Comment :
Method : \\TARGET_SERVER\GG\chem\gc10.i\GC10BI23B1.B\TPHB022A.m
Meth Date : 30-Sep-2008 09:56 ktang Quant Type: ESTD
Cal Date : 15-JUL-2008 18:38 Cal File: ABG2137.d
Als bottle: 1 QC Sample: LCSD
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: SW8015M-TPH.sub
Subtraction File: \\Target_server\GG\chem\gc10.i\GC10BI23B1.b\ABI2343.d
Target Version: 4.12
Processing Host: TARGET02

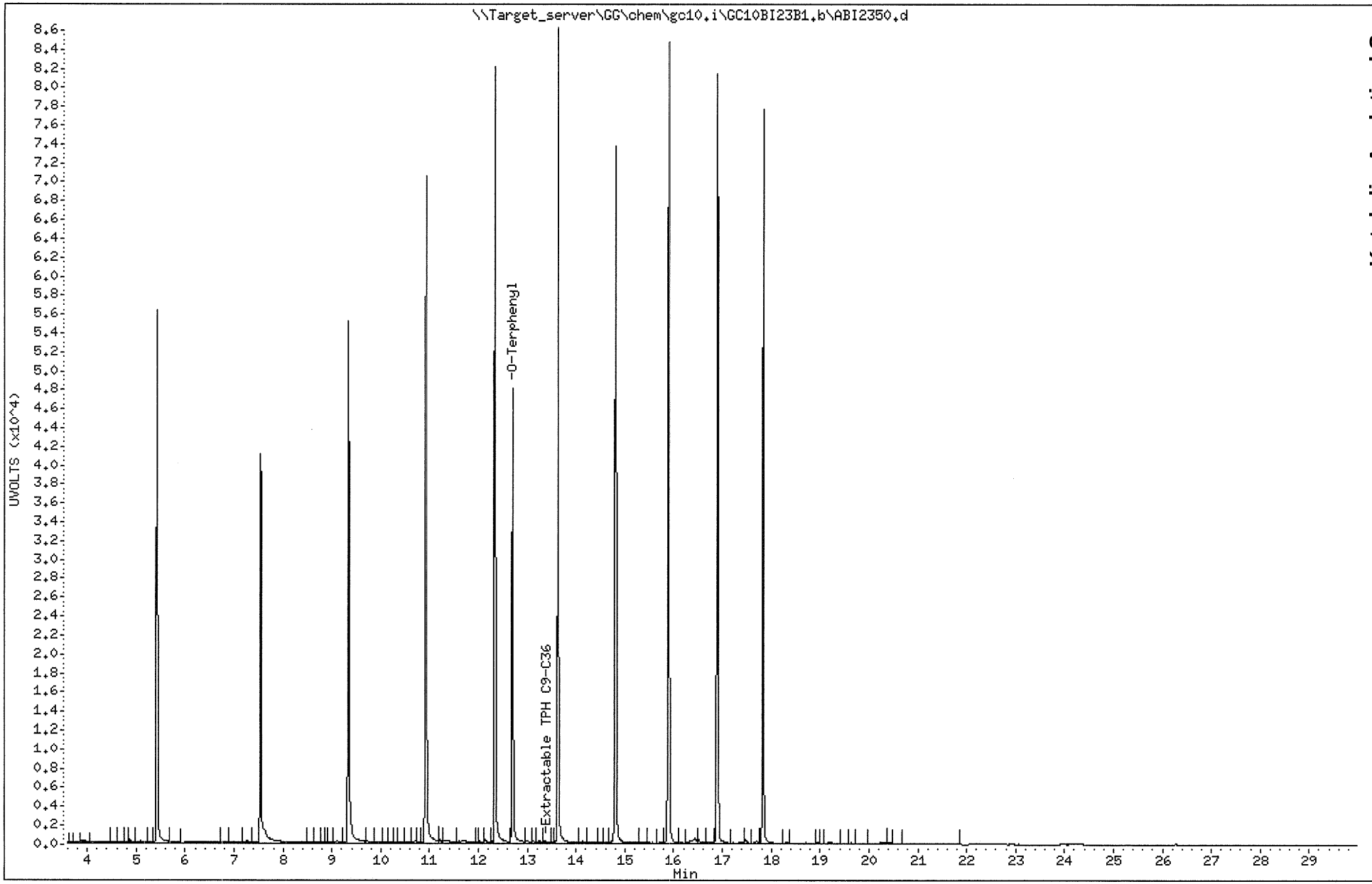
Concentration Formula: Amt * DF * (Vt/Vo)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00100	Final Volume (L)
Vo	1.000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/L)	REVIEW CODE
$ 8 O-Terphenyl	12.693	12.697	-0.004	94946	14.4976	14.5	
S 10 Extractable TPH C9-C36	4.102-22.718			1632086	275.220	275	

Data File: \\Target_server\GG\chem\gc10.i\GC10BI23B1.b\ABI2350.d
Date : 23-SEP-2008 18:19
Client ID: WG55625-LCSD
Sample Info: TPHB022A.M,GC10BI23B1.B,1,WG55625-3
Purge Volume: 1.0
Column phase: ZB-1

Instrument: gc10.i
Operator: KGT
Column diameter: 0.25



Katahdin Analytical Services 2000129

KATAHDIN ANALYTICAL SERVICES
LAB CONTROL SAMPLE

Client:
Project: CTO 426 NLON
PO No:
Sample Date:
Received Date:
Extraction Date: 09/16/08
Analysis Date: 09/22/08
Report Date: 09/29/2008
Matrix: WATER

Lab ID: WG55724-2 & WG55724-3
Client ID: WG55724-LCS & WG55724-LCSD
SDG: CTO426-5
Extracted by: CB
Extraction Method: SW846 3510
Analyst: KGT
Analysis Method: SW846 M8015B
Lab Prep Batch: WG55724
Units: ug/L

COMPOUND	LCS SPIKE	LCSD SPIKE	SAMPLE CONC.	LCS CONC.	LCSD CONC.	LCS %REC.	LCSD %REC.	%RPD	%RPD LIMIT	QC. LIMITS
Extractable TPH C9-C36	500	500	NA	322	290	64	58	10	30	33-135

FORM III DRO-1

ABI2322.d & ABI2323.d

Data File: \\Target_server\GG\chem\gc10.i\GC10BI22B1.b\ABI2322.d
Report Date: 30-Sep-2008 11:55

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gc10.i\GC10BI22B1.b\ABI2322.d
Lab Smp Id: WG55724-2 Client Smp ID: WG55724-LCS
Inj Date : 22-SEP-2008 17:10
Operator : KGT Inst ID: gc10.i
Smp Info : TPHB022A.M,GC10BI22B1.B,1,WG55724-2
Misc Info : SW846 M8015B
Comment :
Method : \\TARGET_SERVER\GG\chem\gc10.i\GC10BI22B1.B\TPHB022A.m
Meth Date : 29-Sep-2008 10:19 ktang Quant Type: ESTD
Cal Date : 15-JUL-2008 18:38 Cal File: ABG2137.d
Als bottle: 1 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: SW8015M-TPH.sub
Subtraction File: \\Target_server\GG\chem\gc10.i\GC10BI22B1.b\ABI2317.d
Target Version: 4.12
Processing Host: TARGET02

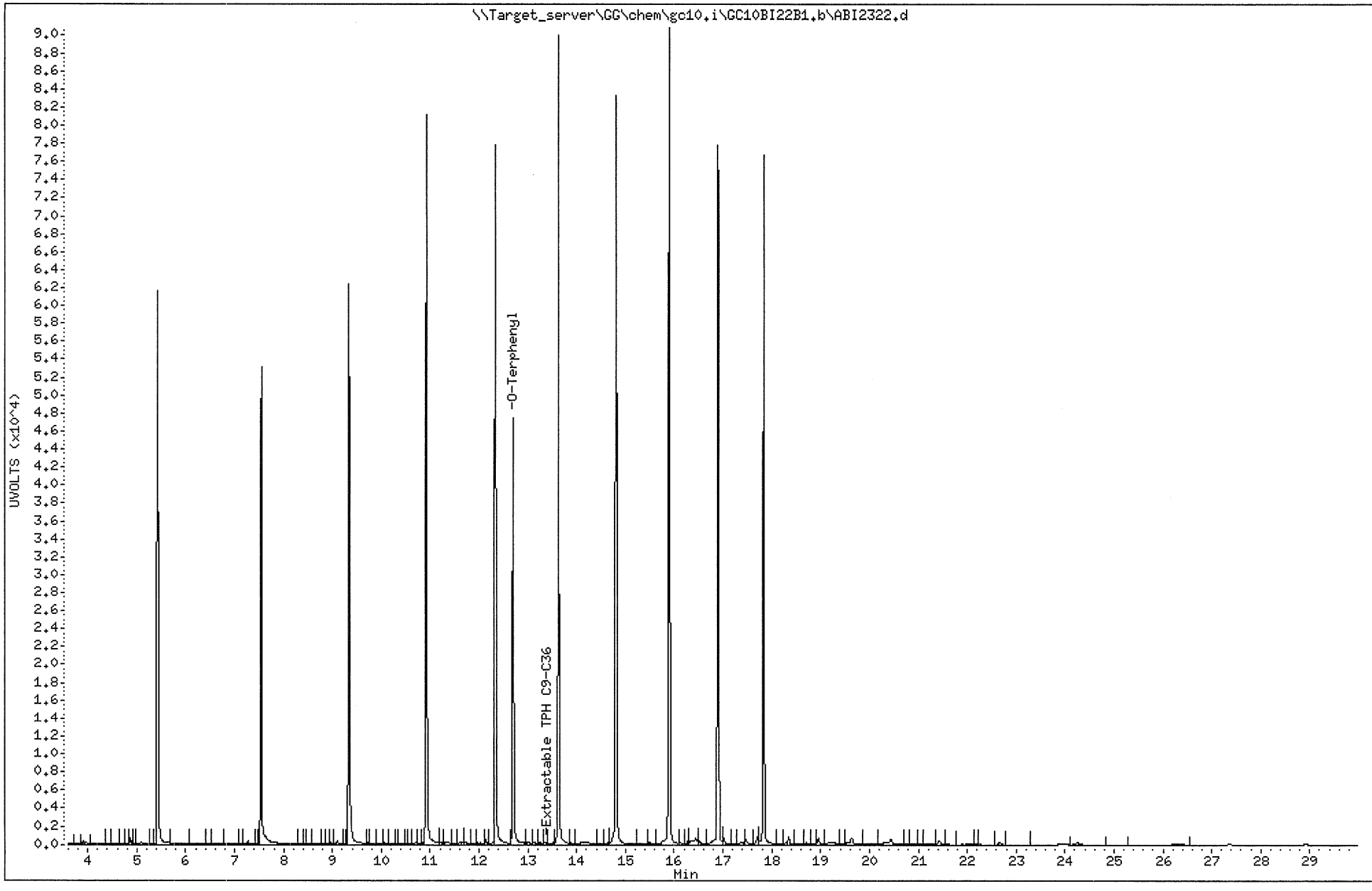
Concentration Formula: Amt * DF * (Vt/Vo)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00100	Final Volume (L)
Vo	1.000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/L)	REVIEW CODE
$ 8 O-Terphenyl	12.695	12.697	-0.002	101059	15.4597	15.4	
S 10 Extractable TPH C9-C36	4.102	-22.718		1903926	322.563	322	

Data File: \\Target_server\GG\chem\gc10.i\GC10BI22B1.b\ABI2322.d
Date : 22-SEP-2008 17:10
Client ID: WG55724-LCS
Sample Info: TPHB022A.M,GC10BI22B1.B,1,WG55724-2
Purge Volume: 1.0
Column phase: ZB-1

Instrument: gc10.i
Operator: KGT
Column diameter: 0.25



Katahdin Analytical Services 2000132

Data File: \\Target_server\GG\chem\gc10.i\GC10BI22B1.b\ABI2323.d
Report Date: 30-Sep-2008 11:55

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gc10.i\GC10BI22B1.b\ABI2323.d
Lab Smp Id: WG55724-3 Client Smp ID: WG55724-LCSD
Inj Date : 22-SEP-2008 17:48
Operator : KGT Inst ID: gc10.i
Smp Info : TPHB022A.M,GC10BI22B1.B,1,WG55724-3
Misc Info : SW846 M8015B
Comment :
Method : \\TARGET_SERVER\GG\chem\gc10.i\GC10BI22B1.B\TPHB022A.m
Meth Date : 29-Sep-2008 10:19 ktang Quant Type: ESTD
Cal Date : 15-JUL-2008 18:38 Cal File: ABG2137.d
Als bottle: 1 QC Sample: LCSD
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: SW8015M-TPH.sub
Subtraction File: \\Target_server\GG\chem\gc10.i\GC10BI22B1.b\ABI2317.d
Target Version: 4.12
Processing Host: TARGET02

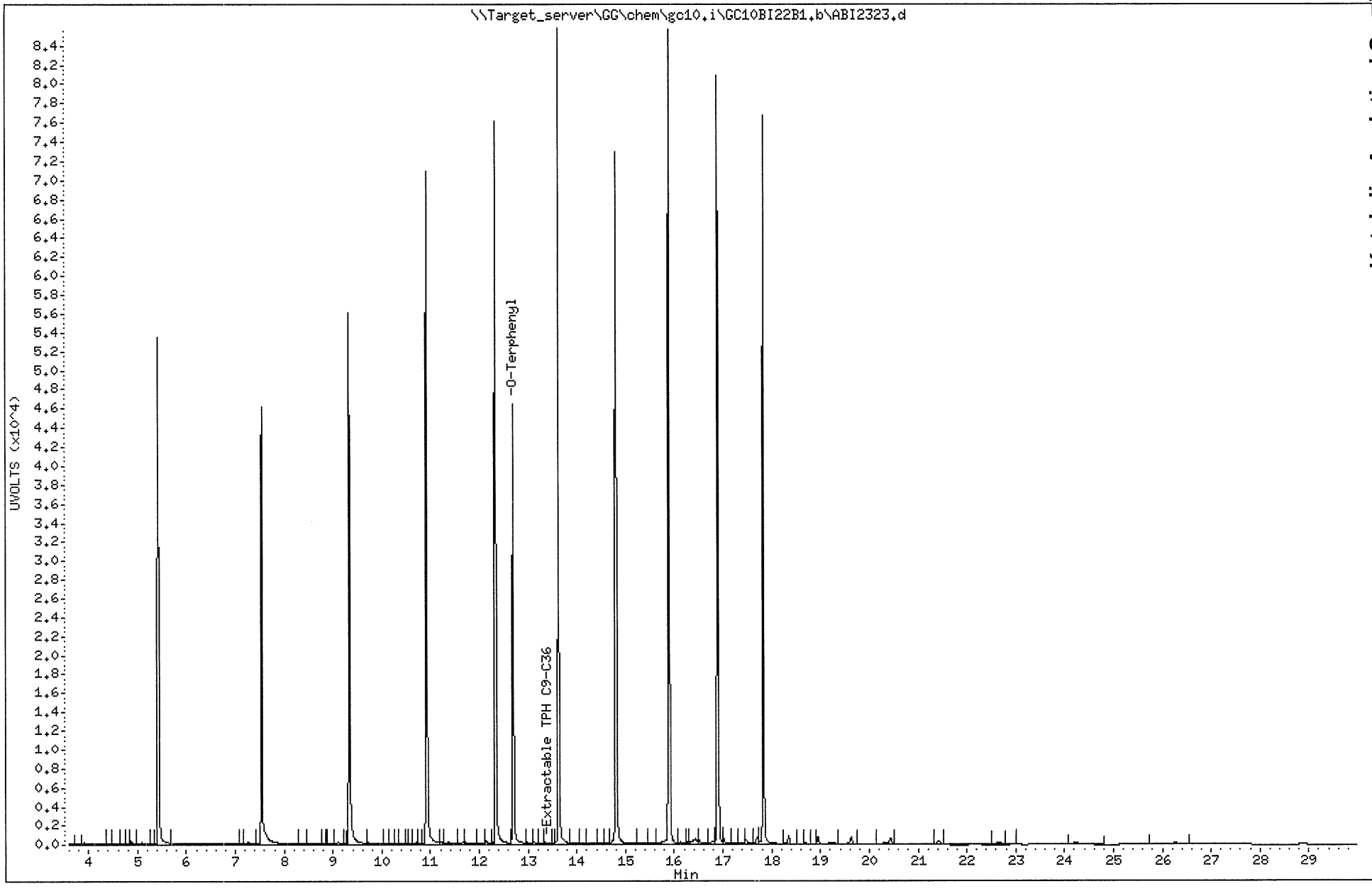
Concentration Formula: Amt * DF * (Vt/Vo)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00100	Final Volume (L)
Vo	1.000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/L)	REVIEW CODE
$ 8 O-Terphenyl	12.693	12.697	-0.004	91810	14.0041	14.0	
S 10 Extractable TPH C9-C36	4.102	-22.718		1720072	290.543	290	

Data File: \\Target_server\GG\chem\gc10.i\GC10BI22B1.b\ABI2323.d
Date : 22-SEP-2008 17:48
Client ID: WG55724-LCSD
Sample Info: TPHB022A.M,GC10BI22B1.B,1,WG55724-3
Purge Volume: 1.0
Column phase: ZB-1

Instrument: gc10.i
Operator: KGT
Column diameter: 0.25



Katahdin Analytical Services 2000134

KATAHDIN ANALYTICAL SERVICES
MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Client: Tetra Tech NUS, Inc
Project: CTO 426 NLON
PO No:
Sample Date: 09/09/08
Received Date: 09/11/08
Extraction Date: 09/12/08
Analysis Date: 09/23/08
Report Date: 09/30/2008
Matrix: WATER

Lab ID: WG55625-4 & WG55625-5
Client ID: D-GW-MW14-090908MS & D-GW-MW14-090908MSD
SDG: CTO426-5
Extracted by: CB
Extraction Method: SW846 3510
Analyst: KGT
Analysis Method: SW846 M8015B
Lab Prep Batch: WG55625
Units: ug/L

COMPOUND	MS SPIKE	MSD SPIKE	SAMPLE CONC.	MS CONC.	MSD CONC.	MS %REC.	MSD %REC.	%RPD	%RPD LIMIT	QC. LIMITS
Extractable TPH C9-C36	500	500	121	191	202	* 14	* 16	6	30	33-135

FORM III DRO-1

ABI2351.d & ABI2352.d

Data File: \\Target_server\GG\chem\gc10.i\GC10BI23B1.b\ABI2351.d
Report Date: 30-Sep-2008 11:57

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gc10.i\GC10BI23B1.b\ABI2351.d
Lab Smp Id: WG55625-4 Client Smp ID: D-GW-MW14-090908MS
Inj Date : 23-SEP-2008 18:57
Operator : KGT Inst ID: gc10.i
Smp Info : TPHB022A.M,GC10BI23B1.B,1,WG55625-4
Misc Info : SW846 M8015B
Comment :
Method : \\TARGET_SERVER\GG\chem\gc10.i\GC10BI23B1.B\TPHB022A.m
Meth Date : 30-Sep-2008 09:56 ktang Quant Type: ESTD
Cal Date : 15-JUL-2008 18:38 Cal File: ABG2137.d
Als bottle: 1 QC Sample: MS
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: SW8015M-TPH.sub
Subtraction File: \\Target_server\GG\chem\gc10.i\GC10BI23B1.b\ABI2343.d
Target Version: 4.12

Concentration Formula: Amt * DF * (Vt/Vo)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00100	Final Volume (L)
Vo	1.000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/L)	REVIEW CODE
$ 8 O-Terphenyl	12.680	12.697	-0.017	110027	16.8710	16.9(M)	M2
S 10 Extractable TPH C9-C36	4.102	-22.718		1151351	191.495	191(M)	

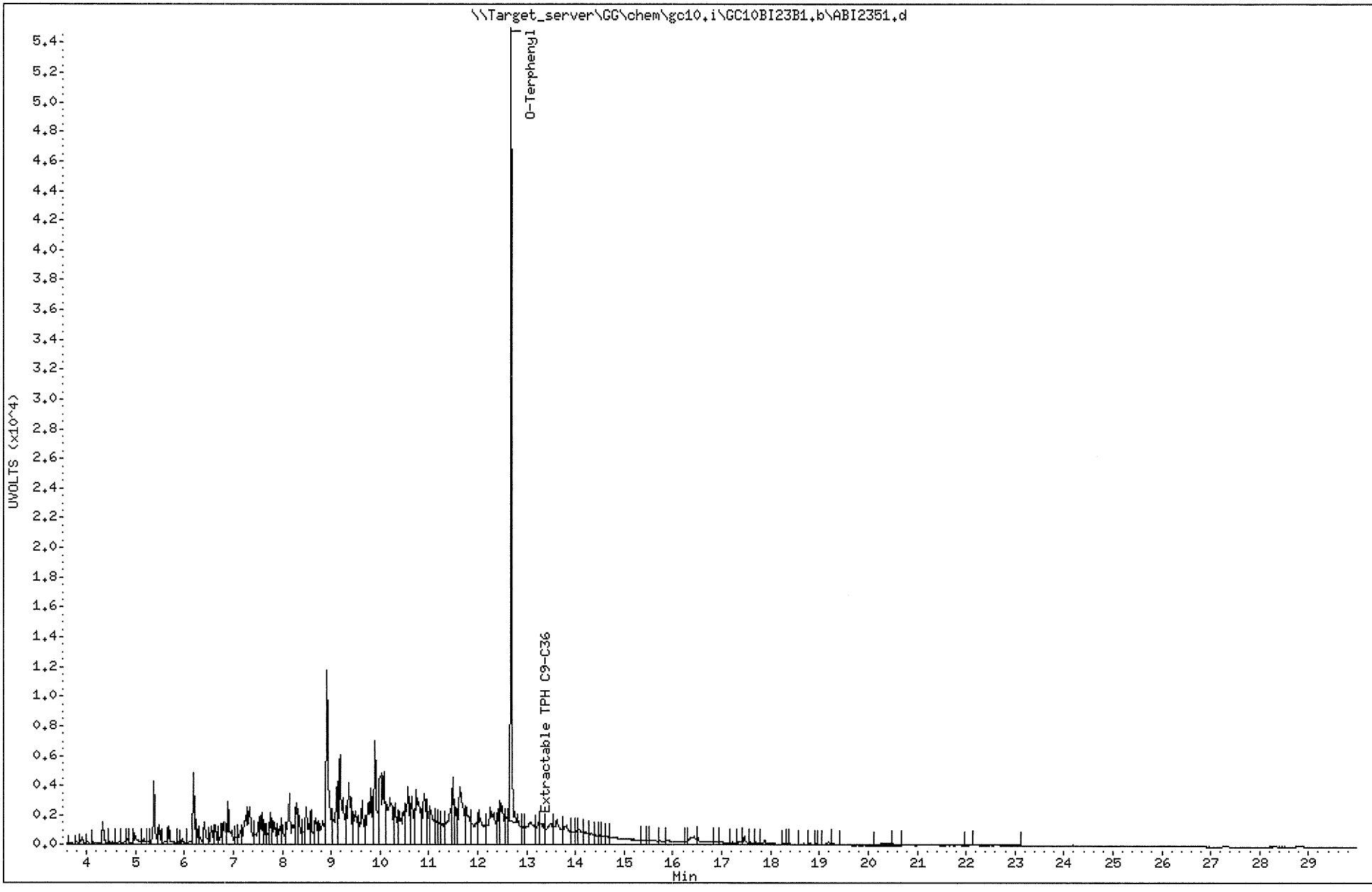
KGT
093008

QC Flag Legend

M - Compound response manually integrated.

Data File: \\Target_server\GG\chem\gc10.i\GC10BI23B1.b\ABI2351.d
Date : 23-SEP-2008 18:57
Client ID: D-GW-MW14-090908MS
Sample Info: TPHB022A.M,GC10BI23B1.B,1,WG55625-4
Purge Volume: 1.0
Column phase: ZB-1

Instrument: gc10.i
Operator: KGT
Column diameter: 0.25



Katahdin Analytical Services 2000137

Data File: \\Target_server\GG\chem\gc10.i\GC10BI23B1.b\ABI2352.d
Report Date: 30-Sep-2008 11:57

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gc10.i\GC10BI23B1.b\ABI2352.d
Lab Smp Id: WG55625-5 Client Smp ID: D-GW-MW14-090908MSD
Inj Date : 23-SEP-2008 19:36
Operator : KGT Inst ID: gc10.i
Smp Info : TPHB022A.M,GC10BI23B1.B,1,WG55625-5
Misc Info : SW846 M8015B
Comment :
Method : \\TARGET_SERVER\GG\chem\gc10.i\GC10BI23B1.B\TPHB022A.m
Meth Date : 30-Sep-2008 09:56 ktang Quant Type: ESTD
Cal Date : 15-JUL-2008 18:38 Cal File: ABG2137.d
Als bottle: 1 QC Sample: MSD
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: SW8015M-TPH.sub
Subtraction File: \\Target_server\GG\chem\gc10.i\GC10BI23B1.b\ABI2343.d
Target Version: 4.12

Concentration Formula: Amt * DF * (Vt/Vo)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00100	Final Volume (L)
Vo	1.000	Sample Volume (L)
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/L)	REVIEW CODE
$ 8 O-Terphenyl	12.680	12.697	-0.017	101059	15.4597	15.4(M)	M2
S 10 Extractable TPH C9-C36	4.102-22.718			1209326	201.592	202(M)	

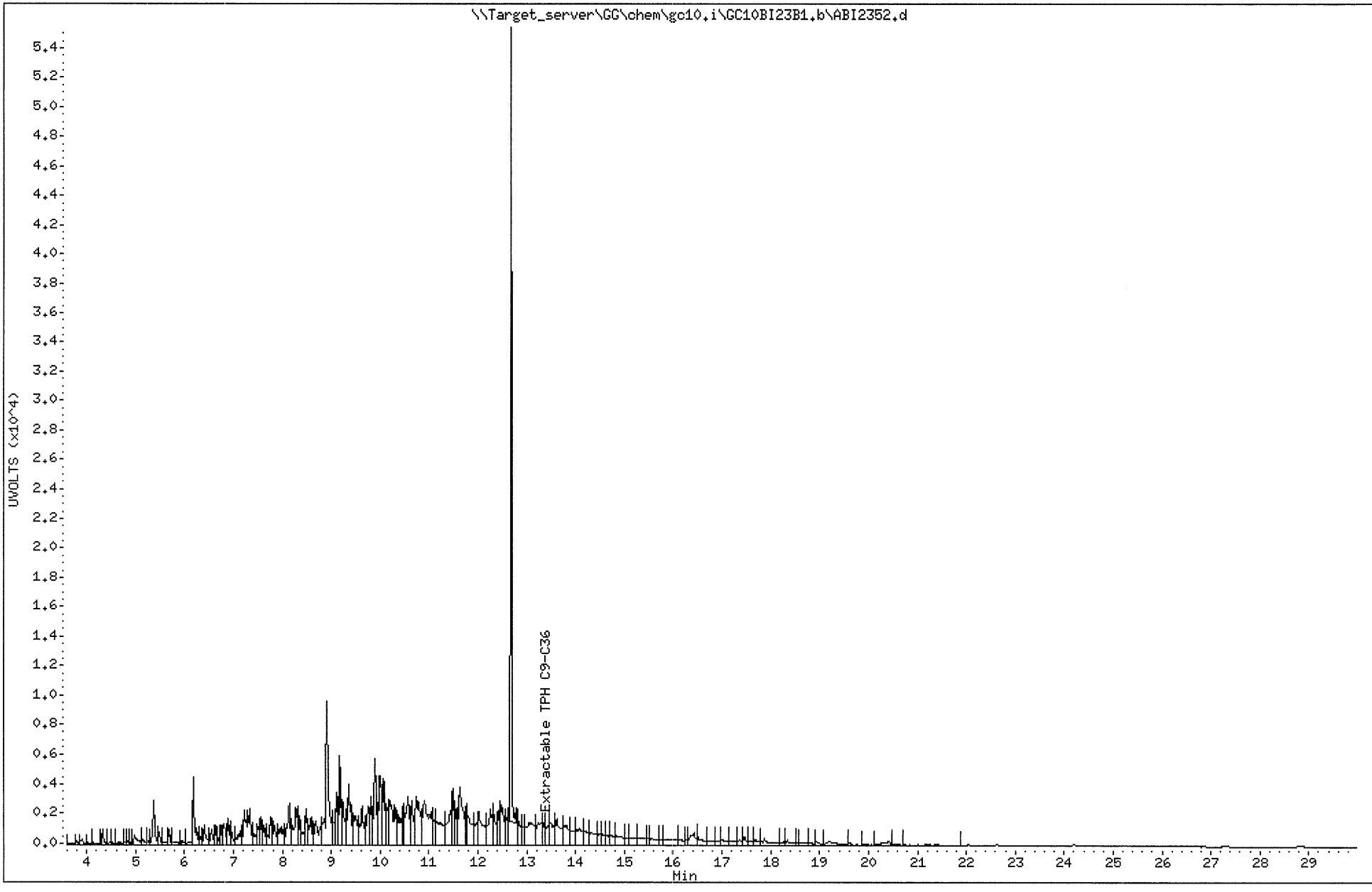
KGT
093008

QC Flag Legend

M - Compound response manually integrated.

Data File: \\Target_server\GG\chem\gc10.i\GC10BI23B1.b\ABI2352.d
Date : 23-SEP-2008 19:36
Client ID: D-GW-MW14-090908MSD
Sample Info: TPHB022A.M,GC10BI23B1.B,1,WG55625-5
Purge Volume: 1.0
Column phase: ZB-1

Instrument: gc10.i
Operator: KGT
Column diameter: 0.25



Katahdin Analytical Services 2000139

Logbooks and Supporting Documents

KATAHDIN ANALYTICAL SERVICES, INC. - GC LABORATORY RUN LOG

Instrument GC010

Methods – Circle Applicable Methods

Amount Injected: 1ml

DRO/TPH – 8015Mod. / MDEP 4.1.25 / 8100Mod.

Date	Init	Result File	Sample #	Accept Y/N	Method	Column 317	Comments
062508	KGS	ABF449	PHC 50µg/ml	Y	TPHB022B	~~275KG~~	H1768
↓	↓	M5	500µg/ml	Y	↓	↓	H1743
~~070708~~	~~KGS~~	~~ABG2004~~	~~TB~~ ~~KGS~~	~~N~~	~~DRO8022A~~	~~317~~	~~Δ time~~
		~~05~~	~~TB~~ ~~KGS~~				
063008	KGS	ABF4220	TB	Y	DRO8022A	317	
		221	TB	Y			
		222	PHC 50µg/ml	Y			H1772 TPHB022A Δfile
		223	PHC 20µg/ml	Y			H1771
		224	PHC 100µg/ml	Y			H1763
		225	PHC 20µg/ml	Y			H1765
		226	PHC 5µg/ml	Y			H1773
↓	↓	227	EPD 50µg/ml	Y			H1735 ↓
070708	KGS	ABG2004	TB	Y			
		05	↓				

REVIEWED BY _____ ON _____

KATAHDIN ANALYTICAL SERVICES, INC. - GC LABORATORY RUN LOG

Instrument GC010 | **Methods** – Circle Applicable Methods

Amount Injected: 1µl | **DRO/TPH** – 8015Mod. / MDEP 4.1.25 / 8100Mod.

Date	Init	Result File	Sample #	Accept Y/N	Method	Column	Comments
092208	KGS	ABE2313	FO #2	Y	DRO8015A	317	
		314	TB	Y			
		315	Pite 20µg/ml	Y			H1789 C268
092208	KGS	316	TB	N	DRO8015A	317	Δ Lerier
		317	TB	Y			
		318 ~~3080~~	Pite 50µg/ml	Y			H1788
		319 ~~309~~	SB5250-4DL2	N			No sample
		320 ~~310~~	SB5250-4DL2	Y			
		321 ~~311~~	WG55724-1	Y	TPH8015A		
		322 ~~312~~	-2	Y			
		323 ~~313~~	-3	Y			
		324 ~~314~~	SB5723-1	Y			
		325 ~~315~~	-2	Y			
		326	-3	Y			
		327	-4	Y			
		328	-5	Y			
		329	-6	Y			
		330	-7	Y			
		331	Mech	N			
		332	TB	Y			
		333	Pite 20µg/ml	Y			H1781 OPT C12↑
		334	SB5723-8	Y			
		335	-9	Y			
		336	-10	Y			
		337	-11	Y			
		338	Mech	N			
		339	FO #2	Y			
		340	~~Pite 5~~ TB FO	Y			

REVIEWED BY _____ ON _____

KATAHDIN ANALYTICAL SERVICES, INC. - GC LABORATORY RUN LOG

Instrument GC010 | **Methods** – Circle Applicable Methods

Amount Injected: 1µl | **DRO/TPH** – 8015Mod. / MDEP 4.1.25 / 8100Mod.

Date	Init	Result File	Sample #	Accept Y/N	Method	Column	Comments
092208	FGT	ABI2341	PHC 50µg/ml	Y	TPHB022A	317	H1788
		342	~~SB5228-8~~				
		343	-9				
		344	-10				
		345	-11				FGT 092208
		346	MeCl2				
		347	FO #2				
		348	TB				
		349	PHC 50µg/ml				H1788
092308	FGT	ABI2342	TB	N	TPHB022A	317	
		343		Y			
		344	PHC 50µg/ml	Y	DRO022A		H1788
		345	SB5355-1DL 3580	N	TPHB022A		1:10 50/500
		346	-1DL2	Y			1:50 20/1000
		347	WG55554-1	Y			
		348	WG55625-1 3570	Y			
		349	-2	Y			
		350	-3	Y			
		351	-4	Y			
		352	-5	Y			
		353	SB5232-2DL2	Y			1:25 40/1000
		354	SB5084-1	N			(Re)
		355	MeCl2 x CT	N			
		356	TB	N			
		357	PHC 20µg/ml	Y			
		358	SB5084-2	N			(R) C.O.
092408		359	-3	N			(R) C.O.
		360	-4	Y			

REVIEWED BY _____ ON _____

KATAHDIN ANALYTICAL SERVICES, INC. - GC LABORATORY RUN LOG

Instrument GC010

Methods – Circle Applicable Methods

Amount Injected: 1 µl

DRO/TPH – 8015Mod. / MDEP 4.1.25 / 8100Mod.

Date	Init	Result File	Sample #	Accept Y/N	Method	Column	Comments
092408	KGT	AB12361	SB5084-1/5	Y	TPHB022A	317	
		362	-6	Y			
		363	-7	Y			
		364	-8	Y			
		365	-9	Y			
		366	-10	Y			
		367	Mech	N			
		368	FO #2	Y			
		369	TB	Y			
		370	PHC spiked	Y			
092408		371	TB	N	TPHB022A		
		372		Y			
		373	PHC 50 µg/ml	Y			
		374	500 µg/ml	Y			
		375	WG554155-1 3550	Y			
		376	-2				spike ↑
		377	SB5084-1RA	Y			
		378	-2RA	Y			
		379	-3RA	Y			
		380	SB4967-7DL2 3570	Y			1:100 50/500 50/500)
		381	SB4966-4DL	N			1:10 @ 50/500
		382	-5DL	N			50/500
		383	-8DL	N			50/500
		384	-9DL	N			50/500
		385	Mech	N			
		386	TB	Y			
		387	PHC 20 µg/ml	Y			
		388	500 µg/ml	Y			

REVIEWED BY _____ ON _____

PH CT
SEP

Katahdin Analytical Services, Inc.
Organic Extraction Log

Analysis: Fuel Oils
Method: SW846 8015M MEDEP 4.1.25 MADEP EPH FLOPRO CT ETPH
Matrix: Aqueous
Extraction: SW846 3520 SW846 3510
Surrogate Spike ID: GC0523
LCS/MS Spike ID: GC0534
KD Filter Paper Lot ID: 311587699
Acid Lot ID: —
Mecl2 Lot ID: G33E29
Mix Temp 34°C
Sulfate # 27968003

Sample pHs checked prior to extraction: (Y) N
(unpreserved samples should be noted on comments.)
Blanks & LCSs adjusted to pH 2 w/ 1:1 HCl: Y / (N)

Date Extracted	Ext. Init.	Sample ID	Initial Volume mL	Surr. Volume mL	Spike Volume mL	Final Volume mL	Date Conc.	Tray Location	Conc. Init.	Comments
9/12/08	CB	WG551625-1	1000	1mL	NR	1mL	9-15-08	F0470 D9	KF	R 86461 SGT
		-2			1mL			D10		
		-3						E1		
		-4						E2		MS-SB5084-10a
		-5						E3		MSD-SB5084-10b
							KF 9-15-08			

QAEX145

000015

Date Extracted	Ext. Init.	Sample ID	Initial Volume mL	Surr. Volume mL	Spike Volume mL	Final Volume mL	Date Conc.	Tray Location	Conc. Init.	Comments
9/12/08	CB	SB5084-1b	1040	1mL	NR	~~1mL~~ CB	9-15-08	F0470 E4	KF	SGT
		-2a	1030					E5		
		-3a	1000					E6		
		-4a	1060					E7		
		-5a	1060					E8		
		-6b	980					E9		
		-7b	1030					E10		
		-8b	950					F0471 A1		
		-9a	1000					A2		
		-10a	1060					A3		MS/MSD
							KF 9-15-08			

Reviewed By: _____ Date: _____

QAEX145

000015

CT ETPH
SEP

Katahdin Analytical Services, Inc.
Organic Extraction Log

Analysis: Fuel Oils
Method: SW846 8015M MEDEP 4.1.25 MADEP EPH FLOPRO CT ETPH
Matrix: Aqueous
Extraction: SW846 3520 SW846 3510
Surrogate Spike ID: G C0545
LCS/MS Spike ID: G C0534
KD Filter Paper Lot ID: S11387699
Acid Lot ID: unpreserved
Mecl2 Lot ID: G33828
NH Temp: 34°C
SulFate #: 27968003

Sample pHs checked prior to extraction: (Y) / N
(unpreserved samples should be noted on comments.)
Blanks & LCSs adjusted to pH 2 w/ 1:1 HCl: Y / (N)

Date Extracted	Ext. Init.	Sample ID	Initial Volume mL	Surr. Volume mL	Spike Volume mL	Final Volume mL	Date Conc.	Tray Location	Conc. Init.	Comments
9/16/08	CB	WG55724-1	1000	1mL	NR	1mL	9-16-08	F0471 C2	1mL	Na2SO4 SGT
		-2			1mL			C3		
		-3						C4		
									KF	9-16-08

QAEX145

000015

Date Extracted	Ext. Init.	Sample ID	Initial Volume mL	Surr. Volume mL	Spike Volume mL	Final Volume mL	Date Conc.	Tray Location	Conc. Init.	Comments
9/16/08	CB	SB5123-1a	1020	1mL	NR	1mL	9-16-08	F0471 C5	KF	SGT
		-2a	970					C6		
		-3a	1046					C7		
		-4a	1060					C8		
		-5a	1010					C9		
		-6a	1000					C10		
		-7a	988					D1		
		-8a	950					D2		
		-9a	990					D3		
		-10a	1010					D4		
		-11a	1050					D5		
							KF	9-16-08		

Reviewed By: _____ Date: _____

QAEX145

000015

APPENDIX H

INVESTIGATION DERIVED WASTE MANAGEMENT RECORDS

Tracking #_____

WASTE CHARACTERIZATION REPORT

☐ ***I authorize EQ – The Environmental Quality Company to choose the appropriate facility and method of waste management from the technologies offered at the EQ facilities identified below.***

☐ **Michigan Disposal Waste Treatment Plant** (Stabilization and Treatment)	49350 N. I-94 Service Drive, Belleville, MI 48111 Phone: 800-592-5489 Fax: 800-592-5329	EPA ID # MID 000 724 831
☐ **Wayne Disposal, Inc. Site #2 Landfill** (Hazardous & PCB Waste Landfill)	49350 N. I-94 Service Drive, Belleville, MI 48111 Phone: 800-592-5489 Fax: 800-592-5329	EPA ID # MID 048 090 633
☑ **EQ Detroit, Inc.** (Stabilization, Wastewater Treatment)	1923 Frederick Street, Detroit, MI 48211 Phone: 313-923-0080 Fax: 313-923-3375	EPA ID # MID 980 991 566
☐ **EQ Resource Recovery, Inc.** (Solvent Recycling, Fuel Blending, WW Treatment)	36345 Van Born Road, Romulus, MI 48174 Phone: 866-373-8357 Fax: 734-326-4033	EPA ID # MID 060 975 844
☐ **EQ North Carolina** (Stabilization, Treatment, Labpack Decommissioning)	1005 Investment Blvd, Apex, NC 27502 Phone: 919-363-4700 Fax: 919-363-4714	EPA ID # NCD 982 170 292
☐ **EQ Florida, Inc.** (Drum Consolidation, Labpack Decommissioning)	7202 East 8th Ave, Tampa, FL 33619 Phone: 813-623-5463 Fax: 813-628-0842	EPA ID # FLD 981 932 494
☐ **EQ Transfer & Processing** (Drum Transfer/Universal Waste Handling)	2000 Ferry Street, Detroit, MI 48211 Phone: 313-923-0080 Fax: 313-922-8419	EPA ID # MIK 939 928 313
☐ **EQ Indianapolis** (Drum Transfer/Non-Hazardous Waste Processing)	4000 West 10th Street, Indianapolis, IN 46222 Phone: 317-247-7160 Fax: 317-247-7170	EPA ID # IND 161 049 309
☐ **EQ Atlanta** (Drum Transfer/Non-Hazardous Waste Processing)	5600 Fulton Industrial Blvd SW, Atlanta, GA 30336 Phone: 404-494-3520 Fax: 404-494-3560	EPA ID # GAR 000 039 776
☐ **EQ Augusta, Inc.** (Wastewater Treatment)	3920 Goshen Industrial Blvd, Augusta, GA 30906 Phone: 706-771-9100 Fax: 706-771-9124	EPA ID # GAR 000 011 817

Waste Common Name: Water

Section 1 – Generator & Customer Information

SIC/NAICS* _____

Generator EPA ID # CRW0242248900

Generator US SubaseNLON Nautilus Park Housing

Facility Address Arrowwood Drive

City Groton State CT Zip 06349

County _____

Mailing Address Naval Sub Base Env. Dept. Bldg 562, Box 39

City Groton State CT Zip 06349

Generator Contact Linda Tirrell

Title _____

Phone 860-694-4298 Fax 860-649-4299

*For a list of NAICS codes, please refer to Section 9 of the EQ Resource Guide.

Internal Use Only: EQ Division _____

EQ Customer No. 2576

Invoicing Company New England Disposal Technologies

Address 83 Gilmore Drive

City Sutton State MA Zip 01590

Country _____

Invoicing Contact Michael Robertson

Phone 508-234-4440 Fax 508-234-4441

Technical Contact Brian Bodemer

Phone 508-234-4440 Fax 508-234-4441

Mobile 508-328-6416 Pager _____

E-mail bbodemer@NEDTinc.com

Section 2 – Shipping & Packaging Information

2.1) Shipping Volume & Frequency 6 x 55

☐ One Time Only ☐ Year ☑ Quarter ☐ Month

2.2) DOT Shipping Name _____

NonRCRA - Non DOT Regulated

2.3) Is this waste surcharge exempt? ☐ Yes ☑ No

If yes, please attach a surcharge exemption form, found in Section 2 of the EQ Resource Guide.

2.4) Packaging **(check all that apply)**

☐ Bulk Solid (Yd^3 < 2000 lbs/yd^3)

☐ Bulk Solid (Ton >2000 lbs/yd^3)

☐ Bulk Liquids (Gallon)

☐ Totes, Size _____

☐ Cubic Yard Boxes/Bags

☑ Drums, Size 55

☐ Other (palletized, 5 gal. Pail, etc.) _____

Quoted bulk disposal charges for solid materials will be billed by the cubic yard, if the waste density is less than 2,000lbs./cubic yard. If waste density is greater than 2,000 lbs./cubic yard, then bulk disposal charges will be billed by the ton, regardless of the approved container.

Section 3 – Physical Characteristics

3.1) Color Clear to Tan 3.2) Odor None

3.3) Does this waste contain any "Potentially Odorous Constituents" as defined in the EQ Resource Guide? (Section 3) ☐ Yes ☑ No

3.4) Physical State at 70^{0}F: ☐ Solid ☐ Dust/Powder ☑ Liquid ☐ Sludge

3.5) What is the pH of this waste? ☐ ≤2 ☐ 2.1-4.9 ☑ 5-10 ☐ 10.1-12.4 ☐ ≥12.5

3.6) What is the flash point of this waste? ☐ <90^{0}F ☐ 90-140^{0}F ☐ 140-199^{0}F ☑ >200^{0}F

3.7) Does this waste contain? **(check all that apply)** ☐ **None** ☑ Free Liquids ☐ Oily Residue ☐ Metal Fines

☐ Biodegradable Sorbants ☐ Amines ☐ Ammonia ☐ Water Reactive ☐ Biohazard ☐ Aluminum

☐ Shock Sensitive Waste ☐ Reactive Waste ☐ Radioactive Waste ☐ Explosives ☐ Pyrophoric Waste ☐ Isocyanates

☐ Asbestos – non-friable ☐ Asbestos – friable ☐ Dioxins ☐ Furans

Section 4 – Waste Composition and Generating Process

4.1) Describe the physical composition of the waste (i.e., soil, water, PPE, debris, key chemical compounds, etc.)

Water	_____ to 100 %	_____	_____ to _____ %
(See attached analytical report)	_____ to _____ %	_____	_____ to _____ %
		Total:	**100%**

4.2) Provide a *detailed* description of the process generating this waste (attach flow diagram if available).

Ground water collected during well sampling activities

Section 5 – Is This Hazardous Waste?

Please refer to Section 5 of the EQ Resource Guide for a list of waste codes

As determined by 40 CFR, Part 261 and State Rules:			**Please list applicable waste code(s):**
5.1) Is this an EPA RCRA listed hazardous waste (F, K, P or U)?	☐ Yes	☑ No	
5.2) Is this an EPA RCRA characteristic hazardous waste (D001-D043)?	☐ Yes	☑ No	
5.3) Do any State Hazardous Waste Codes apply?	☑ Yes	☐ No	CR04, 029L
5.4) Is this waste intended for wastewater treatment?	☐ Yes*	☑ No	

If you answered 'no' to 5.1, 5.2, and 5.3, please skip to Section 7. *If you answered 'yes' to 5.4, please attach the Waste Characterization Report Addendum found in Section 7 of the EQ Resource Guide.

Section 6 – Hazardous Wastes

6.1) Does this waste exceed Land Disposal Restriction levels? ☐ Yes ☑ No

6.1a) If this waste stream is greater than 50% soil, does it meet the alternative soil treatment standards of 40 CFR 268.49? ☐ Yes ☑ No

6.1b) Does this waste contain greater than 50% debris, by volume? (Debris is greater than 2.5 inches in size.) ☐ Yes ☑ No

6.2) Is the waste an oxidizer (D001)? ☐ Yes ☑ No

6.3) Does this waste contain reactive cyanide ≥ 250 ppm (D003)? ☐ Yes ☑ No

6.4) Does this waste contain reactive sulfide ≥ 500 ppm (D003)? ☐ Yes ☑ No

6.5) Please indicate which constituent concentrations are below or above the regulatory level. Please indicate the basis used in the determination. Either "Below" or "Above" **MUST** be checked for each constituent.

Based On: ☐ **Generator Knowledge** ☑ **Analysis*** ☐ **MSDS***

***Please attach a copy. Analysis or MSDS are required for EQFL Non-hazardous wastes.**

Code		Regulatory Level TCLP (mg/l)	Concentration (if above)	Code		Regulatory Level TCLP (mg/l)	Concentration (if above)
D004	Arsenic	5	☑ Below ☐ Above _____	D024	m-Cresol	200	☑ Below ☐ Above _____
D005	Barium	100	☑ Below ☐ Above _____	D025	p-Cresol	200	☑ Below ☐ Above _____
D006	Cadmium	1	☑ Below ☐ Above _____	D026	Cresols	200	☑ Below ☐ Above _____
D007	Chromium	5	☑ Below ☐ Above _____	D027	1,4-Dichlorobenzene	7.5	☑ Below ☐ Above _____
D008	Lead	5	☑ Below ☐ Above _____	D028	1,2-Dicholoroethane	0.5	☑ Below ☐ Above _____
D009	Mercury	0.2	☑ Below ☐ Above _____	D029	1,1-Dichloroethylene	0.7	☑ Below ☐ Above _____
D010	Selenium	1	☑ Below ☐ Above _____	D030	2,4-Dinitrotoluene	0.13	☑ Below ☐ Above _____
D011	Silver	5	☑ Below ☐ Above _____	D031	Heptachlor	0.008	☑ Below ☐ Above _____
D012	Endrin	0.02	☑ Below ☐ Above _____	D032	Hexachlorobenzene	0.13	☑ Below ☐ Above _____
D013	Lindane	0.4	☑ Below ☐ Above _____	D033	Hexachlorobutadiene	0.5	☑ Below ☐ Above _____
D014	Methoxychlor	10	☑ Below ☐ Above _____	D034	Hexachloroethane	3.0	☑ Below ☐ Above _____
D015	Toxaphene	0.5	☑ Below ☐ Above _____	D035	Methyl Ethyl Ketone	200	☑ Below ☐ Above _____
D016	2,4-D	10	☑ Below ☐ Above _____	D036	Nitrobenzene	2	☑ Below ☐ Above _____
D017	2,4,5-TP (Silvex)	1	☑ Below ☐ Above _____	D037	Pentachlorophenol	100	☑ Below ☐ Above _____
D018	Benzene	0.5	☑ Below ☐ Above _____	D038	Pyridine	5	☑ Below ☐ Above _____
D019	Carbon Tetrachloride	0.5	☑ Below ☐ Above _____	D039	Tetrachloroethylene	0.7	☑ Below ☐ Above _____
D020	Chlordane	0.03	☑ Below ☐ Above _____	D040	Trichloroethylene	0.5	☑ Below ☐ Above _____
D021	Chlorobenzene	100	☑ Below ☐ Above _____	D041	2,4,5-Trichlorophenol	400	☑ Below ☐ Above _____
D022	Chloroform	6.0	☑ Below ☐ Above _____	D042	2,4,6-Trichlorophenol	2	☑ Below ☐ Above _____
D023	o-Cresol	200	☑ Below ☐ Above _____	D043	Vinyl Chloride	0.2	☑ Below ☐ Above _____

6.6) If this is a characteristic hazardous waste, does it contain underlying hazardous constituents? ☐ Yes ☑ No

If yes, please list the constituents in Section 11.

Section 7 – Non-Hazardous Wastes

For a complete list of non-hazardous waste codes, please refer to Section 7 of the EQ Resource Guide

Please list applicable waste code:

7.1) Is this a Michigan non-hazardous liquid industrial waste? ☐ Yes ☑ No _____
7.2) Is this a Universal waste? ☐ Yes ☑ No
7.3) Is this a Recyclable Commodity? (e.g.: computer monitors, free mercury, etc.) ☐ Yes ☑ No
7.4) Is this waste a recoverable petroleum product? ☐ Yes* ☑ No
7.5) Is this waste used oil as defined by 40 CFR Part 279? ☐ Yes* ☑ No

If you answered 'yes' to questions 7.4 or 7.5 please attach the Waste Characterization Report Addendum found in Section 7 of the EQ Resource Guide.

Section 8 – TSCA Information

8.1) What is the concentration of PCBs in the waste? ☑ None ☐ 0-5 ppm ☐ 6-49 ppm ☐ 50-499 ppm ☐ 500+ ppm
8.2) Does the waste contain PCB contamination from a source with a concentration ≥ 50 ppm? ☐ Yes ☑ No
If you answered "no" to 8.1 and 8.2, please skip to Section 9.
8.3) Has this waste been processed into a non-liquid form? ☐ Yes ☐ No
If yes, what was the concentration of PCBs prior to processing? ☐ N/A ☐ 0-499 ppm ☐ 500+ ppm
8.4) Is the non-liquid PCB waste in the form of soil, rags, debris, or other contaminated media? ☐ Yes ☐ No
8.5) Are you a PCB capacitor manufacturer or a PCB equipment manufacturer? ☐ Yes ☐ No
8.6) Has the PCB Article (e.g., transformer, hydraulic machine, PCB-contaminated electrical equipment) been drained/flushed of all PCBs and decontaminated in accordance with 40 CFR 761.60(b)? ☐ N/A ☐ Yes ☐ No

Section 9 – Clean Air Act Information

NESHAP SIC*		
2812	2836	2875
2813	2841	2879
2816	2842	2891
2819	2843	2892
2821	2844	2893
2822	2851	2895
2823	2861	2899
2824	2865	2911
2833	2869	3312
2834	2873	4953
2835	2874	9511

9.1) Is this waste subject to regulation under 40 CFR, Part 63, Subpart DD or 40 CFR, Part 264, Subpart CC (RCRA)? ☐ Yes ☑ No
(Does the waste contain >500 ppm Volatile Organic Hazardous Air Pollutants – VOHAP's or Volatile Organic Compounds – VOC's?)
For a complete list of VOHAP's, please see Section 11 of the EQ Resource Guide
9.2) Is the site, or waste, subject to any other MACT or NESHAP? ☐ Yes, please specify: _____ ☑ No
9.3) Does this waste stream contain Benzene? ☐ Yes ☑ No
If you answered "no" to 9.3, please skip to Section 10.
9.4) Does the waste stream come from a facility with one of the SIC/NAICS codes listed under the NESHAP? ☐ Yes ☐ No
9.5) Is the generating source of this waste stream a facility with Total Annual Benzene (TAB) ≥10 Mg/year? ☐ Yes ☐ No
For assistance in calculating the TAB, please see the TAB Worksheet in Section 9 of the EQ Resource Guide.
If you answered "no" to question 9.4 and 9.5, please skip to Section 10.
9.6) Does the waste contain >10% water? ☐ Yes ☐ No
9.7) What is the TAB quantity for your facility? _____ Mg/Year
9.8) Does the waste contain >1.0 mg/kg total Benzene? ☐ Yes ☐ No
9.9) What is the total Benzene concentration in your waste? _____ Percent or _____ ppmw.
(Do not use TCLP analytical results. Acceptable laboratory methods include 8020, 8240, 8260, 602 and 624.)
*For a list of NAICS codes, please refer to Section 9 of the EQ Resource Guide.

Section 10 – Fuel Blending Information

10.1) Is this waste intended for fuel blending? ☐ Yes* ☑ No
*If yes, Heat value (BTU/lb.) _____ Chlorine (%) _____ Water (%) _____ Solids (%) _____
10.2) Is this waste intended for reclamation? ☐ Yes ☑ No (5-Gallon Sample required for all reclaim waste streams)

Section 11 – Constituent Information

Please identify your waste constituents from these four categories: ***Underlying Hazardous Constituents (UHC's), Volatile Organic Hazardous Air Pollutants (VOHAP's), Volatile Organic Compounds (VOC's) and Toxic Release Inventory Constituents (TRI)***

Constituent	Concentration	UHC?		Constituent	Concentration	UHC?	
		☐ Yes	☐ No			☐ Yes	☐ No
		☐ Yes	☐ No			☐ Yes	☐ No
		☐ Yes	☐ No			☐ Yes	☐ No
		☐ Yes	☐ No			☐ Yes	☐ No
		☐ Yes	☐ No			☐ Yes	☐ No

Please see Section 11 of the EQ Resource Guide for a list of UHC's, VOHAP's and VOC's. For a complete list of TRI constituents, please refer to 40 CFR 372.65.

Section 12 – Certification

I certify that all information (including attachments) is complete and factual and is an accurate representation of the known and suspected hazards, pertaining to the waste described herein. I authorize EQ's Resource Team to add supplemental information to the waste approval file, provided I am contacted and give verbal permission. I authorize EQ's Resource Team to obtain a sample from any waste shipment for purposes of verification and confirmation. I agree that, if EQ approves the waste described herein, all such wastes that are transported, delivered, or tendered to EQ by Generator or on Generator's behalf shall be subject to, and Generator shall be bound by, the attached Standard Terms and Conditions.

Generator Signature _____ Printed Name ANTONIO LEITE

Company U.S. NAVY Title ENVIRONMENTAL PROTECTION SPECIALIST Date 12/12/07

The generator's signature MUST appear on the EQ Waste Characterization Report. If the generator has authorized a third party to certify this document, a written notice (on generator letterhead) must accompany this submittal. Although the EQ Resource Team is authorized to make certain modifications to the information provided on this form, the addition or removal of waste codes and waste constituents must be documented by the generator.

STANDARD TERMS AND CONDITIONS

The Agreement between the Customer and EQ – The Environmental Quality Company and/or its member companies (hereinafter "EQ") related to or associated with Delivered Waste, as herein defined, shall be governed by the following Standard Terms and Conditions in addition to the terms and conditions contained in any Waste Characterization Report, Customer Approval Quote Confirmation, Generator Approval Notification, Notice of Waste Approval Expiration, and/or Credit Agreement associated with such Delivered Waste.

The Customer may use its standard forms (such as purchase orders, acknowledgments of orders, and invoices) to administer its dealings under this Agreement for convenience purposes, but all provisions thereof in conflict with these terms and conditions shall be deemed stricken.

Definitions

The following definitions shall apply for purposes of this Agreement:

"**Acceptable Waste**" shall mean any hazardous waste, as defined under applicable State or federal law, determined by EQ as acceptable for treatment and/or disposal in accordance with this Agreement.

"**Delivered Wastes**" shall mean all wastes (i) which are transported, delivered, or tendered to EQ by the Customer; (ii) which the Customer has arranged for the transport, delivery or tender to EQ; or (iii)) which are transported, delivered, or tendered to EQ under a Credit Agreement between the Customer and EQ.

"Non-Conforming Wastes" shall mean wastes that (a) are not in accordance in all material respects with the warranties, descriptions, specifications or limitations stated in the Waste Characterization Report and this Agreement; (b) have constituents or components of a type or concentration not specifically identified in the Waste Characterization Report (i) which increase the nature or extent of the hazard and risk undertaken by EQ in treating and/or disposing of the waste, or (ii) for whose treatment and/or disposal a Waste Management Facility is not designed or permitted, or (iii) which increase the cost of treatment and/or disposal of waste beyond that specified in EQ's price quote; or (c) are not properly packaged, labeled, described, or placarded, or otherwise not in compliance with United States Department of Transportation and United States Environmental Protection Agency regulations.

Control of Operations.

EQ shall have sole control over all aspects of the operation of any treatment and/or disposal facility of EQ receiving Delivered Wastes under this Agreement (hereinafter, "Waste Management Facility"), including, without limitation, maintaining EQ's desired volume of Acceptable Wastes being delivered to any Waste Management Facility by the Customer or any other person or entity.

Identification of Waste.

For each waste material to be transported, delivered, or tendered to EQ under this Agreement, the Customer shall provide, or cause to be provided, to EQ a representative sample of the waste material and a completed Waste Characterization Report containing a physical and chemical description or analysis of such waste material, which description shall conform with any and all guidelines for waste acceptance provided by EQ. On the basis of EQ's analysis of such representative sample of the waste material and such Waste Characterization Report, EQ will determine whether such wastes are Acceptable Wastes. EQ does not make any guarantee that it will handle any waste material or any particular quantity or type of waste material, and EQ reserves the right to the decline to transport, treat and/or dispose of waste material. The Customer shall promptly furnish to EQ any information regarding known, suspected or planned changes in the composition of the waste material. Further, the Customer shall promptly inform EQ of any change in the characteristic or condition of the waste material which becomes known to the Customer subsequent to the date of the Waste Characterization Report.

Non-Conforming Wastes.

In the event that EQ at any time discovers that any Delivered Waste is Non-Conforming Waste, EQ may reject or revoke its acceptance of the Non-Conforming Waste. The Customer shall have seven (7) days to direct an alternative lawful manner of disposition of the waste, unless it is necessary by reason of law or otherwise to move the Non-Conforming Waste prior to expiration of the seven (7) day period. If the Customer does not direct an alternative disposal, at its option, EQ may return any such Non-Conforming Wastes to the Customer, and the Customer shall pay or reimburse EQ for all costs and expenses incurred by EQ in connection with the receipt, handling, sampling, analyses, transportation and return to the Customer of such Non-Conforming Wastes. If it is impossible or impractical for EQ to return the Non-Conforming Waste to the Customer, the Customer shall reimburse EQ for all costs, of any type or nature whatsoever, incurred by EQ, solely because such Delivered Waste was Non-Conforming Waste (including, but not limited to, all costs associated with any remedial steps necessary, due to the nature of the Non-Conforming Waste, in connection with material with which the Non-Conforming Waste may have been commingled and all expenses and charges for analyzing, handling, locating, preparing for transporting, storing and disposing of any Non-Conforming Waste).

Customer Warranty - Acceptable Wastes.

All Delivered Wastes shall be Acceptable Wastes and shall conform in all material respects to the description and specifications contained in the Waste Characterization Report. The information set forth in the Waste Characterization Report or any manifest, placard or label associated with any Delivered Wastes, or otherwise represented by the Customer or the generator (if other than the Customer) to EQ, is and shall be true, accurate and complete as of the date of receipt of the involved waste by EQ.

Customer Warranty - Title to Wastes.

Either the Customer or the generator (if other than the Customer) shall hold clear title, free of any all liens, claims, encumbrances, and charges to Delivered Waste until such waste is accepted by EQ.

Customer Warranty - Compliance with Laws.

The Customer shall comply with all applicable federal, state and local environmental statutes, regulations, and other governmental requirements, as well as directives issued by EQ from time to time, governing the transportation, treatment and/or disposal of Acceptable Wastes, including, but not limited to, all packaging, manifesting, containerization, placarding and labeling requirements.

Customer Warranty - Updating Information.

If the Customer receives information that Delivered Waste or other hazardous waste described in the Waste Characterization Report, or some component of such waste, presents or may present a hazard or risk to persons, property or the environment which was not disclosed to EQ, or if the Customer or generator (if other than the Customer) has changed the process by which such waste results, the Customer shall promptly report such information to EQ in writing.

Customer Indemnity.

The Customer shall indemnify, defend and hold harmless EQ, and its affiliated or related companies, and all of their respective present or future officers, directors, shareholders, employees and agents from and against any and all losses, damages, liabilities, penalties, fines, forfeitures, demands, claims, causes of action, suits, costs and expenses (including, but not limited to, reasonable costs of defense, settlement, and reasonable attorneys' fees), which may be asserted against any or all of them by any person or any governmental agency, or which any or all of them may hereafter suffer, incur, be responsible for or pay out, as a result of or in connection with bodily injuries (including, but not limited to, death, sickness, disease and emotional or mental distress) to any person (including EQ's employees), damage (including, but not limited to, loss of use) to any property (public or private), or any requirements to conduct or incur expense for investigative, removal or remedial expenses in connection with contamination of or adverse effect on the environment, or any violation or alleged violation of any statues, ordinances, orders, rules or regulations of any governmental entity or agency, caused or arising out of (i) a breach of this Agreement by the Customer, (ii) the failure of any warranty of the Customer to be true, accurate and complete, or (iii) any willful or negligent act or omission of the Customer, or its employees or agents in connection with the performance of this Agreement.

Force Majeure

EQ shall not be liable for any failure to accept, receive, handle, treat, and/or dispose of Delivered Waste due to an act of God, fire, casualty, flood, war, strike, lockout, labor trouble, failure of public utilities, equipment failure, facility shutdown, injunction, accident, epidemic, riot, insurrection, destruction of operation or transportation facilities, the inability to procure materials, equipment, or sufficient personnel or energy in order to meet operational needs without the necessity of allocation, the failure or inability to obtain any governmental approvals or to meet Environmental Requirements (including, but not limited to voluntary or involuntary compliance with any act, exercise, assertion, or requirement of any governmental authority) which may temporarily or permanently prohibit operations of EQ, the Customer, or the Generator, or any other circumstances beyond the control of EQ which prevents or delays performance of any of its obligations under this Agreement.

Governing Laws

This Agreement shall in all respects be governed by and shall be construed in accordance with the laws of the State of Michigan applied to contracts executed and performed wholly within such state.

Tracking #_____

WASTE CHARACTERIZATION REPORT

☐ ***I authorize EQ – The Environmental Quality Company to choose the appropriate facility and method of waste management from the technologies offered at the EQ facilities identified below.***

☐ **Michigan Disposal Waste Treatment Plant** (Stabilization and Treatment)	49350 N. I-94 Service Drive, Belleville, MI 48111 Phone: 800-592-5489 Fax: 800-592-5329	EPA ID # MID 000 724 831
☐ **Wayne Disposal, Inc. Site #2 Landfill** (Hazardous & PCB Waste Landfill)	49350 N. I-94 Service Drive, Belleville, MI 48111 Phone: 800-592-5489 Fax: 800-592-5329	EPA ID # MID 048 090 633
☑ **EQ Detroit, Inc.** (Stabilization, Wastewater Treatment)	1923 Frederick Street, Detroit, MI 48211 Phone: 313-923-0080 Fax: 313-923-3375	EPA ID # MID 980 991 566
☐ **EQ Resource Recovery, Inc.** (Solvent Recycling, Fuel Blending, WW Treatment)	36345 Van Born Road, Romulus, MI 48174 Phone: 866-373-8357 Fax: 734-326-4033	EPA ID # MID 060 975 844
☐ **EQ North Carolina** (Stabilization, Treatment, Labpack Decommissioning)	1005 Investment Blvd, Apex, NC 27502 Phone: 919-363-4700 Fax: 919-363-4714	EPA ID # NCD 982 170 292
☐ **EQ Florida, Inc.** (Drum Consolidation, Labpack Decommissioning)	7202 East 8th Ave, Tampa, FL 33619 Phone: 813-623-5463 Fax: 813-628-0842	EPA ID # FLD 981 932 494
☐ **EQ Transfer & Processing** (Drum Transfer/Universal Waste Handling)	2000 Ferry Street, Detroit, MI 48211 Phone: 313-923-0080 Fax: 313-922-8419	EPA ID # MIK 939 928 313
☐ **EQ Indianapolis** (Drum Transfer/Non-Hazardous Waste Processing)	4000 West 10th Street, Indianapolis, IN 46222 Phone: 317-247-7160 Fax: 317-247-7170	EPA ID # IND 161 049 309
☐ **EQ Atlanta** (Drum Transfer/Non-Hazardous Waste Processing)	5600 Fulton Industrial Blvd SW, Atlanta, GA 30336 Phone: 404-494-3520 Fax: 404-494-3560	EPA ID # GAR 000 039 776
☐ **EQ Augusta, Inc.** (Wastewater Treatment)	3920 Goshen Industrial Blvd, Augusta, GA 30906 Phone: 706-771-9100 Fax: 706-771-9124	EPA ID # GAR 000 011 817

Waste Common Name: Water

Section 1 – Generator & Customer Information

SIC/NAICS* _____

Generator EPA ID # CRW0242248900

Generator US SubaseNLON Nautilus Park Housing

Facility Address Arrowwood Drive

City Groton State CT Zip 06349

County _____

Mailing Address Naval Sub Base Env. Dept. Bldg 562, Box 39

City Groton State CT Zip 06349

Generator Contact Linda Tirrell

Title _____

Phone 860-694-4298 Fax 860-649-4299

*For a list of NAICS codes, please refer to Section 9 of the EQ Resource Guide.

Internal Use Only: EQ Division _____

EQ Customer No. 2576

Invoicing Company New England Disposal Technologies

Address 83 Gilmore Drive

City Sutton State MA Zip 01590

Country _____

Invoicing Contact Michael Robertson

Phone 508-234-4440 Fax 508-234-4441

Technical Contact Brian Bodemer

Phone 508-234-4440 Fax 508-234-4441

Mobile 508-328-6416 Pager _____

E-mail bbodemer@NEDTinc.com

Section 2 – Shipping & Packaging Information

2.1) Shipping Volume & Frequency 6 x 55

☐ One Time Only ☐ Year ☑ Quarter ☐ Month

2.2) DOT Shipping Name _____

NonRCRA - Non DOT Regulated

2.3) Is this waste surcharge exempt? ☐ Yes ☑ No

If yes, please attach a surcharge exemption form, found in Section 2 of the EQ Resource Guide.

2.4) Packaging **(check all that apply)**

☐ Bulk Solid (Yd^3 < 2000 lbs/yd^3)

☐ Bulk Solid (Ton >2000 lbs/yd^3)

☐ Bulk Liquids (Gallon)

☐ Totes, Size _____

☐ Cubic Yard Boxes/Bags

☑ Drums, Size 55

☐ Other (palletized, 5 gal. Pail, etc.) _____

Quoted bulk disposal charges for solid materials will be billed by the cubic yard, if the waste density is less than 2,000lbs./cubic yard. If waste density is greater than 2,000 lbs./cubic yard, then bulk disposal charges will be billed by the ton, regardless of the approved container.

Section 3 – Physical Characteristics

3.1) Color Clear to Tan 3.2) Odor None

3.3) Does this waste contain any "Potentially Odorous Constituents" as defined in the EQ Resource Guide? (Section 3) ☐ Yes ☑ No

3.4) Physical State at 70^{0}F: ☐ Solid ☐ Dust/Powder ☑ Liquid ☐ Sludge

3.5) What is the pH of this waste? ☐ ≤2 ☐ 2.1-4.9 ☑ 5-10 ☐ 10.1-12.4 ☐ ≥12.5

3.6) What is the flash point of this waste? ☐ <90^{0}F ☐ 90-140^{0}F ☐ 140-199^{0}F ☑ >200^{0}F

3.7) Does this waste contain? **(check all that apply)** ☐ **None** ☑ Free Liquids ☐ Oily Residue ☐ Metal Fines

☐ Biodegradable Sorbants ☐ Amines ☐ Ammonia ☐ Water Reactive ☐ Biohazard ☐ Aluminum

☐ Shock Sensitive Waste ☐ Reactive Waste ☐ Radioactive Waste ☐ Explosives ☐ Pyrophoric Waste ☐ Isocyanates

☐ Asbestos – non-friable ☐ Asbestos – friable ☐ Dioxins ☐ Furans

Section 4 – Waste Composition and Generating Process

4.1) Describe the physical composition of the waste (i.e., soil, water, PPE, debris, key chemical compounds, etc.)

Water	_____ to 100 %	_____	_____ to _____ %
(See attached analytical report)	_____ to _____ %	_____	_____ to _____ %
		Total:	**100%**

4.2) Provide a *detailed* description of the process generating this waste (attach flow diagram if available).

Ground water collected during well sampling activities

Section 5 – Is This Hazardous Waste?

Please refer to Section 5 of the EQ Resource Guide for a list of waste codes

As determined by 40 CFR, Part 261 and State Rules:			**Please list applicable waste code(s):**
5.1) Is this an EPA RCRA listed hazardous waste (F, K, P or U)?	☐ Yes	☑ No	
5.2) Is this an EPA RCRA characteristic hazardous waste (D001-D043)?	☐ Yes	☑ No	
5.3) Do any State Hazardous Waste Codes apply?	☑ Yes	☐ No	CR04, 029L
5.4) Is this waste intended for wastewater treatment?	☐ Yes*	☑ No	

If you answered 'no' to 5.1, 5.2, and 5.3, please skip to Section 7. *If you answered 'yes' to 5.4, please attach the Waste Characterization Report Addendum found in Section 7 of the EQ Resource Guide.

Section 6 – Hazardous Wastes

6.1) Does this waste exceed Land Disposal Restriction levels? ☐ Yes ☑ No

6.1a) If this waste stream is greater than 50% soil, does it meet the alternative soil treatment standards of 40 CFR 268.49? ☐ Yes ☑ No

6.1b) Does this waste contain greater than 50% debris, by volume? (Debris is greater than 2.5 inches in size.) ☐ Yes ☑ No

6.2) Is the waste an oxidizer (D001)? ☐ Yes ☑ No

6.3) Does this waste contain reactive cyanide ≥ 250 ppm (D003)? ☐ Yes ☑ No

6.4) Does this waste contain reactive sulfide ≥ 500 ppm (D003)? ☐ Yes ☑ No

6.5) Please indicate which constituent concentrations are below or above the regulatory level. Please indicate the basis used in the determination. Either "Below" or "Above" **MUST** be checked for each constituent.

Based On: ☐ **Generator Knowledge** ☑ **Analysis*** ☐ **MSDS***

***Please attach a copy. Analysis or MSDS are required for EQFL Non-hazardous wastes.**

Code		Regulatory Level TCLP (mg/l)	Concentration (if above)	Code		Regulatory Level TCLP (mg/l)	Concentration (if above)
D004	Arsenic	5	☑ Below ☐ Above _____	D024	m-Cresol	200	☑ Below ☐ Above _____
D005	Barium	100	☑ Below ☐ Above _____	D025	p-Cresol	200	☑ Below ☐ Above _____
D006	Cadmium	1	☑ Below ☐ Above _____	D026	Cresols	200	☑ Below ☐ Above _____
D007	Chromium	5	☑ Below ☐ Above _____	D027	1,4-Dichlorobenzene	7.5	☑ Below ☐ Above _____
D008	Lead	5	☑ Below ☐ Above _____	D028	1,2-Dicholoroethane	0.5	☑ Below ☐ Above _____
D009	Mercury	0.2	☑ Below ☐ Above _____	D029	1,1-Dichloroethylene	0.7	☑ Below ☐ Above _____
D010	Selenium	1	☑ Below ☐ Above _____	D030	2,4-Dinitrotoluene	0.13	☑ Below ☐ Above _____
D011	Silver	5	☑ Below ☐ Above _____	D031	Heptachlor	0.008	☑ Below ☐ Above _____
D012	Endrin	0.02	☑ Below ☐ Above _____	D032	Hexachlorobenzene	0.13	☑ Below ☐ Above _____
D013	Lindane	0.4	☑ Below ☐ Above _____	D033	Hexachlorobutadiene	0.5	☑ Below ☐ Above _____
D014	Methoxychlor	10	☑ Below ☐ Above _____	D034	Hexachloroethane	3.0	☑ Below ☐ Above _____
D015	Toxaphene	0.5	☑ Below ☐ Above _____	D035	Methyl Ethyl Ketone	200	☑ Below ☐ Above _____
D016	2,4-D	10	☑ Below ☐ Above _____	D036	Nitrobenzene	2	☑ Below ☐ Above _____
D017	2,4,5-TP (Silvex)	1	☑ Below ☐ Above _____	D037	Pentachlorophenol	100	☑ Below ☐ Above _____
D018	Benzene	0.5	☑ Below ☐ Above _____	D038	Pyridine	5	☑ Below ☐ Above _____
D019	Carbon Tetrachloride	0.5	☑ Below ☐ Above _____	D039	Tetrachloroethylene	0.7	☑ Below ☐ Above _____
D020	Chlordane	0.03	☑ Below ☐ Above _____	D040	Trichloroethylene	0.5	☑ Below ☐ Above _____
D021	Chlorobenzene	100	☑ Below ☐ Above _____	D041	2,4,5-Trichlorophenol	400	☑ Below ☐ Above _____
D022	Chloroform	6.0	☑ Below ☐ Above _____	D042	2,4,6-Trichlorophenol	2	☑ Below ☐ Above _____
D023	o-Cresol	200	☑ Below ☐ Above _____	D043	Vinyl Chloride	0.2	☑ Below ☐ Above _____

6.6) If this is a characteristic hazardous waste, does it contain underlying hazardous constituents? ☐ Yes ☑ No

If yes, please list the constituents in Section 11.

Section 7 – Non-Hazardous Wastes

For a complete list of non-hazardous waste codes, please refer to Section 7 of the EQ Resource Guide

Please list applicable waste code:

7.1) Is this a Michigan non-hazardous liquid industrial waste? ☑ Yes ☐ No 029L
7.2) Is this a Universal waste? ☐ Yes ☑ No
7.3) Is this a Recyclable Commodity? (e.g.: computer monitors, free mercury, etc.) ☐ Yes ☑ No
7.4) Is this waste a recoverable petroleum product? ☐ Yes* ☑ No
7.5) Is this waste used oil as defined by 40 CFR Part 279? ☐ Yes* ☑ No

If you answered 'yes' to questions 7.4 or 7.5 please attach the Waste Characterization Report Addendum found in Section 7 of the EQ Resource Guide.

Section 8 – TSCA Information

8.1) What is the concentration of PCBs in the waste? ☑ None ☐ 0-5 ppm ☐ 6-49 ppm ☐ 50-499 ppm ☐ 500+ ppm
8.2) Does the waste contain PCB contamination from a source with a concentration ≥ 50 ppm? ☐ Yes ☑ No
If you answered "no" to 8.1 and 8.2, please skip to Section 9.
8.3) Has this waste been processed into a non-liquid form? ☐ Yes ☐ No
If yes, what was the concentration of PCBs prior to processing? ☐ N/A ☐ 0-499 ppm ☐ 500+ ppm
8.4) Is the non-liquid PCB waste in the form of soil, rags, debris, or other contaminated media? ☐ Yes ☐ No
8.5) Are you a PCB capacitor manufacturer or a PCB equipment manufacturer? ☐ Yes ☐ No
8.6) Has the PCB Article (e.g., transformer, hydraulic machine, PCB-contaminated electrical equipment) been drained/flushed of all PCBs and decontaminated in accordance with 40 CFR 761.60(b)? ☐ N/A ☐ Yes ☐ No

Section 9 – Clean Air Act Information

NESHAP SIC*		
2812	2836	2875
2813	2841	2879
2816	2842	2891
2819	2843	2892
2821	2844	2893
2822	2851	2895
2823	2861	2899
2824	2865	2911
2833	2869	3312
2834	2873	4953
2835	2874	9511

9.1) Is this waste subject to regulation under 40 CFR, Part 63, Subpart DD or 40 CFR, Part 264, Subpart CC (RCRA)? ☐ Yes ☑ No
(Does the waste contain >500 ppm Volatile Organic Hazardous Air Pollutants – VOHAP's or Volatile Organic Compounds – VOC's?)
For a complete list of VOHAP's, please see Section 11 of the EQ Resource Guide
9.2) Is the site, or waste, subject to any other MACT or NESHAP? ☐ Yes, please specify: _____ ☑ No
9.3) Does this waste stream contain Benzene? ☐ Yes ☑ No
If you answered "no" to 9.3, please skip to Section 10.
9.4) Does the waste stream come from a facility with one of the SIC/NAICS codes listed under the NESHAP? ☐ Yes ☐ No
9.5) Is the generating source of this waste stream a facility with Total Annual Benzene (TAB) ≥10 Mg/year? ☐ Yes ☐ No
For assistance in calculating the TAB, please see the TAB Worksheet in Section 9 of the EQ Resource Guide.
If you answered "no" to question 9.4 and 9.5, please skip to Section 10.
9.6) Does the waste contain >10% water? ☐ Yes ☐ No
9.7) What is the TAB quantity for your facility? _____ Mg/Year
9.8) Does the waste contain >1.0 mg/kg total Benzene? ☐ Yes ☐ No
9.9) What is the total Benzene concentration in your waste? _____ Percent or _____ ppmw.
(Do not use TCLP analytical results. Acceptable laboratory methods include 8020, 8240, 8260, 602 and 624.)
*For a list of NAICS codes, please refer to Section 9 of the EQ Resource Guide.

Section 10 – Fuel Blending Information

10.1) Is this waste intended for fuel blending? ☐ Yes* ☑ No
*If yes, Heat value (BTU/lb.) _____ Chlorine (%) _____ Water (%) _____ Solids (%) _____
10.2) Is this waste intended for reclamation? ☐ Yes ☑ No (5-Gallon Sample required for all reclaim waste streams)

Section 11 – Constituent Information

Please identify your waste constituents from these four categories: ***Underlying Hazardous Constituents (UHC's), Volatile Organic Hazardous Air Pollutants (VOHAP's), Volatile Organic Compounds (VOC's) and Toxic Release Inventory Constituents (TRI)***

Constituent	Concentration	UHC?		Constituent	Concentration	UHC?	
		☐ Yes	☐ No			☐ Yes	☐ No
		☐ Yes	☐ No			☐ Yes	☐ No
		☐ Yes	☐ No			☐ Yes	☐ No
		☐ Yes	☐ No			☐ Yes	☐ No
		☐ Yes	☐ No			☐ Yes	☐ No

Please see Section 11 of the EQ Resource Guide for a list of UHC's, VOHAP's and VOC's. For a complete list of TRI constituents, please refer to 40 CFR 372.65.

Section 12 – Certification

I certify that all information (including attachments) is complete and factual and is an accurate representation of the known and suspected hazards, pertaining to the waste described herein. I authorize EQ's Resource Team to add supplemental information to the waste approval file, provided I am contacted and give verbal permission. I authorize EQ's Resource Team to obtain a sample from any waste shipment for purposes of verification and confirmation. I agree that, if EQ approves the waste described herein, all such wastes that are transported, delivered, or tendered to EQ by Generator or on Generator's behalf shall be subject to, and Generator shall be bound by, the attached Standard Terms and Conditions.

Generator Signature _____ Printed Name ANTONIO LEITE

Company U.S. NAVY Title ENVIRONMENTAL PROTECTION SPECIALIST Date 12/12/07

The generator's signature MUST appear on the EQ Waste Characterization Report. If the generator has authorized a third party to certify this document, a written notice (on generator letterhead) must accompany this submittal. Although the EQ Resource Team is authorized to make certain modifications to the information provided on this form, the addition or removal of waste codes and waste constituents must be documented by the generator.

STANDARD TERMS AND CONDITIONS

The Agreement between the Customer and EQ – The Environmental Quality Company and/or its member companies (hereinafter "EQ") related to or associated with Delivered Waste, as herein defined, shall be governed by the following Standard Terms and Conditions in addition to the terms and conditions contained in any Waste Characterization Report, Customer Approval Quote Confirmation, Generator Approval Notification, Notice of Waste Approval Expiration, and/or Credit Agreement associated with such Delivered Waste.

The Customer may use its standard forms (such as purchase orders, acknowledgments of orders, and invoices) to administer its dealings under this Agreement for convenience purposes, but all provisions thereof in conflict with these terms and conditions shall be deemed stricken.

Definitions

The following definitions shall apply for purposes of this Agreement:

"**Acceptable Waste**" shall mean any hazardous waste, as defined under applicable State or federal law, determined by EQ as acceptable for treatment and/or disposal in accordance with this Agreement.

"**Delivered Wastes**" shall mean all wastes (i) which are transported, delivered, or tendered to EQ by the Customer; (ii) which the Customer has arranged for the transport, delivery or tender to EQ; or (iii)) which are transported, delivered, or tendered to EQ under a Credit Agreement between the Customer and EQ.

"Non-Conforming Wastes" shall mean wastes that (a) are not in accordance in all material respects with the warranties, descriptions, specifications or limitations stated in the Waste Characterization Report and this Agreement; (b) have constituents or components of a type or concentration not specifically identified in the Waste Characterization Report (i) which increase the nature or extent of the hazard and risk undertaken by EQ in treating and/or disposing of the waste, or (ii) for whose treatment and/or disposal a Waste Management Facility is not designed or permitted, or (iii) which increase the cost of treatment and/or disposal of waste beyond that specified in EQ's price quote; or (c) are not properly packaged, labeled, described, or placarded, or otherwise not in compliance with United States Department of Transportation and United States Environmental Protection Agency regulations.

Control of Operations.

EQ shall have sole control over all aspects of the operation of any treatment and/or disposal facility of EQ receiving Delivered Wastes under this Agreement (hereinafter, "Waste Management Facility"), including, without limitation, maintaining EQ's desired volume of Acceptable Wastes being delivered to any Waste Management Facility by the Customer or any other person or entity.

Identification of Waste.

For each waste material to be transported, delivered, or tendered to EQ under this Agreement, the Customer shall provide, or cause to be provided, to EQ a representative sample of the waste material and a completed Waste Characterization Report containing a physical and chemical description or analysis of such waste material, which description shall conform with any and all guidelines for waste acceptance provided by EQ. On the basis of EQ's analysis of such representative sample of the waste material and such Waste Characterization Report, EQ will determine whether such wastes are Acceptable Wastes. EQ does not make any guarantee that it will handle any waste material or any particular quantity or type of waste material, and EQ reserves the right to the decline to transport, treat and/or dispose of waste material. The Customer shall promptly furnish to EQ any information regarding known, suspected or planned changes in the composition of the waste material. Further, the Customer shall promptly inform EQ of any change in the characteristic or condition of the waste material which becomes known to the Customer subsequent to the date of the Waste Characterization Report.

Non-Conforming Wastes.

In the event that EQ at any time discovers that any Delivered Waste is Non-Conforming Waste, EQ may reject or revoke its acceptance of the Non-Conforming Waste. The Customer shall have seven (7) days to direct an alternative lawful manner of disposition of the waste, unless it is necessary by reason of law or otherwise to move the Non-Conforming Waste prior to expiration of the seven (7) day period. If the Customer does not direct an alternative disposal, at its option, EQ may return any such Non-Conforming Wastes to the Customer, and the Customer shall pay or reimburse EQ for all costs and expenses incurred by EQ in connection with the receipt, handling, sampling, analyses, transportation and return to the Customer of such Non-Conforming Wastes. If it is impossible or impractical for EQ to return the Non-Conforming Waste to the Customer, the Customer shall reimburse EQ for all costs, of any type or nature whatsoever, incurred by EQ, solely because such Delivered Waste was Non-Conforming Waste (including, but not limited to, all costs associated with any remedial steps necessary, due to the nature of the Non-Conforming Waste, in connection with material with which the Non-Conforming Waste may have been commingled and all expenses and charges for analyzing, handling, locating, preparing for transporting, storing and disposing of any Non-Conforming Waste).

Customer Warranty - Acceptable Wastes.

All Delivered Wastes shall be Acceptable Wastes and shall conform in all material respects to the description and specifications contained in the Waste Characterization Report. The information set forth in the Waste Characterization Report or any manifest, placard or label associated with any Delivered Wastes, or otherwise represented by the Customer or the generator (if other than the Customer) to EQ, is and shall be true, accurate and complete as of the date of receipt of the involved waste by EQ.

Customer Warranty - Title to Wastes.

Either the Customer or the generator (if other than the Customer) shall hold clear title, free of any all liens, claims, encumbrances, and charges to Delivered Waste until such waste is accepted by EQ.

Customer Warranty - Compliance with Laws.

The Customer shall comply with all applicable federal, state and local environmental statutes, regulations, and other governmental requirements, as well as directives issued by EQ from time to time, governing the transportation, treatment and/or disposal of Acceptable Wastes, including, but not limited to, all packaging, manifesting, containerization, placarding and labeling requirements.

Customer Warranty - Updating Information.

If the Customer receives information that Delivered Waste or other hazardous waste described in the Waste Characterization Report, or some component of such waste, presents or may present a hazard or risk to persons, property or the environment which was not disclosed to EQ, or if the Customer or generator (if other than the Customer) has changed the process by which such waste results, the Customer shall promptly report such information to EQ in writing.

Customer Indemnity.

The Customer shall indemnify, defend and hold harmless EQ, and its affiliated or related companies, and all of their respective present or future officers, directors, shareholders, employees and agents from and against any and all losses, damages, liabilities, penalties, fines, forfeitures, demands, claims, causes of action, suits, costs and expenses (including, but not limited to, reasonable costs of defense, settlement, and reasonable attorneys' fees), which may be asserted against any or all of them by any person or any governmental agency, or which any or all of them may hereafter suffer, incur, be responsible for or pay out, as a result of or in connection with bodily injuries (including, but not limited to, death, sickness, disease and emotional or mental distress) to any person (including EQ's employees), damage (including, but not limited to, loss of use) to any property (public or private), or any requirements to conduct or incur expense for investigative, removal or remedial expenses in connection with contamination of or adverse effect on the environment, or any violation or alleged violation of any statues, ordinances, orders, rules or regulations of any governmental entity or agency, caused or arising out of (i) a breach of this Agreement by the Customer, (ii) the failure of any warranty of the Customer to be true, accurate and complete, or (iii) any willful or negligent act or omission of the Customer, or its employees or agents in connection with the performance of this Agreement.

Force Majeure

EQ shall not be liable for any failure to accept, receive, handle, treat, and/or dispose of Delivered Waste due to an act of God, fire, casualty, flood, war, strike, lockout, labor trouble, failure of public utilities, equipment failure, facility shutdown, injunction, accident, epidemic, riot, insurrection, destruction of operation or transportation facilities, the inability to procure materials, equipment, or sufficient personnel or energy in order to meet operational needs without the necessity of allocation, the failure or inability to obtain any governmental approvals or to meet Environmental Requirements (including, but not limited to voluntary or involuntary compliance with any act, exercise, assertion, or requirement of any governmental authority) which may temporarily or permanently prohibit operations of EQ, the Customer, or the Generator, or any other circumstances beyond the control of EQ which prevents or delays performance of any of its obligations under this Agreement.

Governing Laws

This Agreement shall in all respects be governed by and shall be construed in accordance with the laws of the State of Michigan applied to contracts executed and performed wholly within such state.

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 1 of 1

Special Handling:
- ☐ Standard TAT - 7 to 10 business days
- ☒ Rush TAT - Date Needed: 12/5/07
- All TATs subject to laboratory approval. Min. 24-hour notification needed for rushes.
- Samples disposed of after 60 days unless otherwise instructed.

Report To: NEW ENGLAND DISPOSAL TECH.
83 GILMORE DRIVE
SUTTON MA 01590

Project Mgr.: LON COHEN

Invoice To: SAME

P.O. No.: _____ RQN: _____

Project No.: 16-7613
Site Name: TETRA TEC
Location: SERVICE BERRY ROAD, BROTON State: CT
Sampler(s): Chris ANDERSON

1=$Na_2S_2O_3$ 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid
7=CH_3OH 8=$NaHSO_4$ 9=_____ 10=_____

DW=Drinking Water GW=Groundwater WW=Wastewater
O=Oil SW=Surface Water SO=Soil SL=Sludge A=Air
X1=_____ X2=_____ X3=_____

G=Grab C=Composite

QA Reporting Notes: (check if needed)
- ☐ Provide MA DEP MCP CAM Report
- ☐ Provide CT DPH RCP Report

QA/QC Reporting Level
☐ Standard ☐ No QC
☐ Other_____
State specific reporting standards:

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	Preservative	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	pH	Cyanide/Sulfide Reactivity (NaOH)	TCLP RCRA metals (HCL)	VOC (HCL)	SVOC	PCB
	7613-01	11/30/07	7:40	C	SO	7	2	2			X	X	X	X	X	X
	7613-02	11/30/07	8:00	C	GW	2	2	[illegible]		[illegible]	X	X	X	X	X	X
	↓	↓	8:15	↓	↓	4				1	↓	↓	↓	↓	↓	↓
			8:30			5				1						
			8:45					2								
	~~7613-03~~	~~11/30/07~~		~~C~~	~~GW~~	~~2~~	~~2~~	~~3~~		~~2~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~
			CA			~~1~~										

☐ Fax results when available to (_____) _____
☒ E-mail to ICOHEN@NEDTINC.COM
EDD Format _____

Condition upon receipt: ☐ Iced ☐ Ambient ☐ °C _____

Relinquished by:	Received by:	Date:	Time:
[signature]	[signature]	11/30/07	8:45

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number: CT 4 1 7 0 0 2 2 0 2 0
2. Page 1 of: 1
3. Emergency Response Phone: 800-698-1865
4. Manifest Tracking Number: 002685034 JJK

5. Generator's Name and Mailing Address
Naval Sub Base Environmental Dept.
Building #562 - P.O. Box 39
Groton CT 06349
Generator's Phone: 8 6 0 6 9 4 - 5 1 9 1

Generator's Site Address (if different than mailing address)
U S Subaselon
Route 12 - Crystal Lake Road
Groton CT 06349

6. Transporter 1 Company Name: New England Disposal Technologies, Inc.
U.S. EPA ID Number: M A C 3 0 0 0 0 8 0 5 9

7. Transporter 2 Company Name: New England Disposal Technologies, Inc.
U.S. EPA ID Number: M A C 3 0 0 0 0 8 0 5 9

8. Designated Facility Name and Site Address
EQ - Detroit, Inc.
1923 Frederick Street
Detroit MI 48211
Facility's Phone: 313 923-0080
U.S. EPA ID Number: M I D 9 8 0 9 9 1 5 6 6

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
	1. Non-RCRA, non-DOT Regulated Material (water)	007	DM	00350	G	029L CR04
	2. Non-RCRA, non-DOT Regulated Material (soil)	016	DM	06400	P	CR05
	3.					
	4.					

14. Special Handling Instructions and Additional Information
1)L075154DET 2)L075155DET

Job# 01-7684

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: X ANTONIO F. LETTE
Signature:
Month Day Year: 01 09 03

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Shawn M Ford
Signature:
Month Day Year: 01 09 03
Transporter 2 Printed/Typed Name:
Signature:
Month Day Year:

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:

18b. Alternate Facility (or Generator) U.S. EPA ID Number
Facility's Phone:

18c. Signature of Alternate Facility (or Generator) Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. 2. 3. 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name Signature Month Day Year

GENERATOR INT'L TRANSPORTER DESIGNATED FACILITY

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

Tracking #_____

WASTE CHARACTERIZATION REPORT

☐ ***I authorize EQ – The Environmental Quality Company to choose the appropriate facility and method of waste management from the technologies offered at the EQ facilities identified below.***

☐ **Michigan Disposal Waste Treatment Plant** (Stabilization and Treatment)	49350 N. I-94 Service Drive, Belleville, MI 48111 Phone: 800-592-5489 Fax: 800-592-5329	EPA ID # MID 000 724 831
☐ **Wayne Disposal, Inc. Site #2 Landfill** (Hazardous & PCB Waste Landfill)	49350 N. I-94 Service Drive, Belleville, MI 48111 Phone: 800-592-5489 Fax: 800-592-5329	EPA ID # MID 048 090 633
☑ **EQ Detroit, Inc.** (Stabilization, Wastewater Treatment)	1923 Frederick Street, Detroit, MI 48211 Phone: 313-923-0080 Fax: 313-923-3375	EPA ID # MID 980 991 566
☐ **EQ Resource Recovery, Inc.** (Solvent Recycling, Fuel Blending, WW Treatment)	36345 Van Born Road, Romulus, MI 48174 Phone: 866-373-8357 Fax: 734-326-4033	EPA ID # MID 060 975 844
☐ **EQ North Carolina** (Stabilization, Treatment, Labpack Decommissioning)	1005 Investment Blvd, Apex, NC 27502 Phone: 919-363-4700 Fax: 919-363-4714	EPA ID # NCD 982 170 292
☐ **EQ Florida, Inc.** (Drum Consolidation, Labpack Decommissioning)	7202 East 8th Ave, Tampa, FL 33619 Phone: 813-623-5463 Fax: 813-628-0842	EPA ID # FLD 981 932 494
☐ **EQ Transfer & Processing** (Drum Transfer/Universal Waste Handling)	2000 Ferry Street, Detroit, MI 48211 Phone: 313-923-0080 Fax: 313-922-8419	EPA ID # MIK 939 928 313
☐ **EQ Indianapolis** (Drum Transfer/Non-Hazardous Waste Processing)	4000 West 10th Street, Indianapolis, IN 46222 Phone: 317-247-7160 Fax: 317-247-7170	EPA ID # IND 161 049 309
☐ **EQ Atlanta** (Drum Transfer/Non-Hazardous Waste Processing)	5600 Fulton Industrial Blvd SW, Atlanta, GA 30336 Phone: 404-494-3520 Fax: 404-494-3560	EPA ID # GAR 000 039 776
☐ **EQ Augusta, Inc.** (Wastewater Treatment)	3920 Goshen Industrial Blvd, Augusta, GA 30906 Phone: 706-771-9100 Fax: 706-771-9124	EPA ID # GAR 000 011 817

Waste Common Name: Water

Section 1 – Generator & Customer Information

SIC/NAICS* _____

Generator EPA ID # CRW0242248900

Generator US SubaseNLON Nautilus Park Housing

Facility Address Arrowwood Drive

City Groton State CT Zip 06349

County _____

Mailing Address Naval Sub Base Env. Dept. Bldg 562, Box 39

City Groton State CT Zip 06349

Generator Contact Linda Tirrell

Title _____

Phone 860-694-4298 Fax 860-649-4299

*For a list of NAICS codes, please refer to Section 9 of the EQ Resource Guide.

Internal Use Only: EQ Division _____

EQ Customer No. 2576

Invoicing Company New England Disposal Technologies

Address 83 Gilmore Drive

City Sutton State MA Zip 01590

Country _____

Invoicing Contact Michael Robertson

Phone 508-234-4440 Fax 508-234-4441

Technical Contact Brian Bodemer

Phone 508-234-4440 Fax 508-234-4441

Mobile 508-328-6416 Pager _____

E-mail bbodemer@NEDTinc.com

Section 2 – Shipping & Packaging Information

2.1) Shipping Volume & Frequency 6 x 55

☐ One Time Only ☐ Year ☑ Quarter ☐ Month

2.2) DOT Shipping Name _____

NonRCRA - Non DOT Regulated

2.3) Is this waste surcharge exempt? ☐ Yes ☑ No

If yes, please attach a surcharge exemption form, found in Section 2 of the EQ Resource Guide.

2.4) Packaging **(check all that apply)**

☐ Bulk Solid (Yd^3 < 2000 lbs/yd^3)

☐ Bulk Solid (Ton >2000 lbs/yd^3)

☐ Bulk Liquids (Gallon)

☐ Totes, Size _____

☐ Cubic Yard Boxes/Bags

☑ Drums, Size 55

☐ Other (palletized, 5 gal. Pail, etc.) _____

Quoted bulk disposal charges for solid materials will be billed by the cubic yard, if the waste density is less than 2,000lbs./cubic yard. If waste density is greater than 2,000 lbs./cubic yard, then bulk disposal charges will be billed by the ton, regardless of the approved container.

Section 3 – Physical Characteristics

3.1) Color Clear to Tan 3.2) Odor None

3.3) Does this waste contain any "Potentially Odorous Constituents" as defined in the EQ Resource Guide? (Section 3) ☐ Yes ☑ No

3.4) Physical State at 70^{0}F: ☐ Solid ☐ Dust/Powder ☑ Liquid ☐ Sludge

3.5) What is the pH of this waste? ☐ ≤2 ☐ 2.1-4.9 ☑ 5-10 ☐ 10.1-12.4 ☐ ≥12.5

3.6) What is the flash point of this waste? ☐ <90^{0}F ☐ 90-140^{0}F ☐ 140-199^{0}F ☑ >200^{0}F

3.7) Does this waste contain? **(check all that apply)** ☐ **None** ☑ Free Liquids ☐ Oily Residue ☐ Metal Fines

☐ Biodegradable Sorbants ☐ Amines ☐ Ammonia ☐ Water Reactive ☐ Biohazard ☐ Aluminum

☐ Shock Sensitive Waste ☐ Reactive Waste ☐ Radioactive Waste ☐ Explosives ☐ Pyrophoric Waste ☐ Isocyanates

☐ Asbestos – non-friable ☐ Asbestos – friable ☐ Dioxins ☐ Furans

Section 4 – Waste Composition and Generating Process

4.1) Describe the physical composition of the waste (i.e., soil, water, PPE, debris, key chemical compounds, etc.)

Water	_____ to 100 %	_____	_____ to _____ %
(See attached analytical report)	_____ to _____ %	_____	_____ to _____ %
		Total:	**100%**

4.2) Provide a *detailed* description of the process generating this waste (attach flow diagram if available).

Ground water collected during well sampling activities

Section 5 – Is This Hazardous Waste?

Please refer to Section 5 of the EQ Resource Guide for a list of waste codes

As determined by 40 CFR, Part 261 and State Rules:			**Please list applicable waste code(s):**
5.1) Is this an EPA RCRA listed hazardous waste (F, K, P or U)?	☐ Yes	☑ No	
5.2) Is this an EPA RCRA characteristic hazardous waste (D001-D043)?	☐ Yes	☑ No	
5.3) Do any State Hazardous Waste Codes apply?	☑ Yes	☐ No	CR04, 029L
5.4) Is this waste intended for wastewater treatment?	☐ Yes*	☑ No	

If you answered 'no' to 5.1, 5.2, and 5.3, please skip to Section 7. *If you answered 'yes' to 5.4, please attach the Waste Characterization Report Addendum found in Section 7 of the EQ Resource Guide.

Section 6 – Hazardous Wastes

6.1) Does this waste exceed Land Disposal Restriction levels? ☐ Yes ☑ No

6.1a) If this waste stream is greater than 50% soil, does it meet the alternative soil treatment standards of 40 CFR 268.49? ☐ Yes ☑ No

6.1b) Does this waste contain greater than 50% debris, by volume? (Debris is greater than 2.5 inches in size.) ☐ Yes ☑ No

6.2) Is the waste an oxidizer (D001)? ☐ Yes ☑ No

6.3) Does this waste contain reactive cyanide ≥ 250 ppm (D003)? ☐ Yes ☑ No

6.4) Does this waste contain reactive sulfide ≥ 500 ppm (D003)? ☐ Yes ☑ No

6.5) Please indicate which constituent concentrations are below or above the regulatory level. Please indicate the basis used in the determination. Either "Below" or "Above" **MUST** be checked for each constituent.

Based On: ☐ **Generator Knowledge** ☑ **Analysis*** ☐ **MSDS***

***Please attach a copy. Analysis or MSDS are required for EQFL Non-hazardous wastes.**

Code		Regulatory Level TCLP (mg/l)	Concentration (if above)	Code		Regulatory Level TCLP (mg/l)	Concentration (if above)
D004	Arsenic	5	☑ Below ☐ Above _____	D024	m-Cresol	200	☑ Below ☐ Above _____
D005	Barium	100	☑ Below ☐ Above _____	D025	p-Cresol	200	☑ Below ☐ Above _____
D006	Cadmium	1	☑ Below ☐ Above _____	D026	Cresols	200	☑ Below ☐ Above _____
D007	Chromium	5	☑ Below ☐ Above _____	D027	1,4-Dichlorobenzene	7.5	☑ Below ☐ Above _____
D008	Lead	5	☑ Below ☐ Above _____	D028	1,2-Dicholoroethane	0.5	☑ Below ☐ Above _____
D009	Mercury	0.2	☑ Below ☐ Above _____	D029	1,1-Dichloroethylene	0.7	☑ Below ☐ Above _____
D010	Selenium	1	☑ Below ☐ Above _____	D030	2,4-Dinitrotoluene	0.13	☑ Below ☐ Above _____
D011	Silver	5	☑ Below ☐ Above _____	D031	Heptachlor	0.008	☑ Below ☐ Above _____
D012	Endrin	0.02	☑ Below ☐ Above _____	D032	Hexachlorobenzene	0.13	☑ Below ☐ Above _____
D013	Lindane	0.4	☑ Below ☐ Above _____	D033	Hexachlorobutadiene	0.5	☑ Below ☐ Above _____
D014	Methoxychlor	10	☑ Below ☐ Above _____	D034	Hexachloroethane	3.0	☑ Below ☐ Above _____
D015	Toxaphene	0.5	☑ Below ☐ Above _____	D035	Methyl Ethyl Ketone	200	☑ Below ☐ Above _____
D016	2,4-D	10	☑ Below ☐ Above _____	D036	Nitrobenzene	2	☑ Below ☐ Above _____
D017	2,4,5-TP (Silvex)	1	☑ Below ☐ Above _____	D037	Pentachlorophenol	100	☑ Below ☐ Above _____
D018	Benzene	0.5	☑ Below ☐ Above _____	D038	Pyridine	5	☑ Below ☐ Above _____
D019	Carbon Tetrachloride	0.5	☑ Below ☐ Above _____	D039	Tetrachloroethylene	0.7	☑ Below ☐ Above _____
D020	Chlordane	0.03	☑ Below ☐ Above _____	D040	Trichloroethylene	0.5	☑ Below ☐ Above _____
D021	Chlorobenzene	100	☑ Below ☐ Above _____	D041	2,4,5-Trichlorophenol	400	☑ Below ☐ Above _____
D022	Chloroform	6.0	☑ Below ☐ Above _____	D042	2,4,6-Trichlorophenol	2	☑ Below ☐ Above _____
D023	o-Cresol	200	☑ Below ☐ Above _____	D043	Vinyl Chloride	0.2	☑ Below ☐ Above _____

6.6) If this is a characteristic hazardous waste, does it contain underlying hazardous constituents? ☐ Yes ☑ No

If yes, please list the constituents in Section 11.

Section 7 – Non-Hazardous Wastes

For a complete list of non-hazardous waste codes, please refer to Section 7 of the EQ Resource Guide

Please list applicable waste code:

7.1) Is this a Michigan non-hazardous liquid industrial waste? ☑ Yes ☐ No 029L
7.2) Is this a Universal waste? ☐ Yes ☑ No
7.3) Is this a Recyclable Commodity? (e.g.: computer monitors, free mercury, etc.) ☐ Yes ☑ No
7.4) Is this waste a recoverable petroleum product? ☐ Yes* ☑ No
7.5) Is this waste used oil as defined by 40 CFR Part 279? ☐ Yes* ☑ No

If you answered 'yes' to questions 7.4 or 7.5 please attach the Waste Characterization Report Addendum found in Section 7 of the EQ Resource Guide.

Section 8 – TSCA Information

8.1) What is the concentration of PCBs in the waste? ☑ None ☐ 0-5 ppm ☐ 6-49 ppm ☐ 50-499 ppm ☐ 500+ ppm
8.2) Does the waste contain PCB contamination from a source with a concentration ≥ 50 ppm? ☐ Yes ☑ No
If you answered "no" to 8.1 and 8.2, please skip to Section 9.
8.3) Has this waste been processed into a non-liquid form? ☐ Yes ☐ No
If yes, what was the concentration of PCBs prior to processing? ☐ N/A ☐ 0-499 ppm ☐ 500+ ppm
8.4) Is the non-liquid PCB waste in the form of soil, rags, debris, or other contaminated media? ☐ Yes ☐ No
8.5) Are you a PCB capacitor manufacturer or a PCB equipment manufacturer? ☐ Yes ☐ No
8.6) Has the PCB Article (e.g., transformer, hydraulic machine, PCB-contaminated electrical equipment) been drained/flushed of all PCBs and decontaminated in accordance with 40 CFR 761.60(b)? ☐ N/A ☐ Yes ☐ No

Section 9 – Clean Air Act Information

NESHAP SIC*		
2812	2836	2875
2813	2841	2879
2816	2842	2891
2819	2843	2892
2821	2844	2893
2822	2851	2895
2823	2861	2899
2824	2865	2911
2833	2869	3312
2834	2873	4953
2835	2874	9511

9.1) Is this waste subject to regulation under 40 CFR, Part 63, Subpart DD or 40 CFR, Part 264, Subpart CC (RCRA)? ☐ Yes ☑ No
(Does the waste contain >500 ppm Volatile Organic Hazardous Air Pollutants – VOHAP's or Volatile Organic Compounds – VOC's?)
For a complete list of VOHAP's, please see Section 11 of the EQ Resource Guide
9.2) Is the site, or waste, subject to any other MACT or NESHAP? ☐ Yes, please specify: _____ ☑ No
9.3) Does this waste stream contain Benzene? ☐ Yes ☑ No
If you answered "no" to 9.3, please skip to Section 10.
9.4) Does the waste stream come from a facility with one of the SIC/NAICS codes listed under the NESHAP? ☐ Yes ☐ No
9.5) Is the generating source of this waste stream a facility with Total Annual Benzene (TAB) ≥10 Mg/year? ☐ Yes ☐ No
For assistance in calculating the TAB, please see the TAB Worksheet in Section 9 of the EQ Resource Guide.
If you answered "no" to question 9.4 <u>and</u> 9.5, please skip to Section 10.
9.6) Does the waste contain >10% water? ☐ Yes ☐ No
9.7) What is the TAB quantity for your facility? _____Mg/Year
9.8) Does the waste contain >1.0 mg/kg total Benzene? ☐ Yes ☐ No
9.9) What is the total Benzene concentration in your waste? _____Percent or _____ ppmw.
(Do not use TCLP analytical results. Acceptable laboratory methods include 8020, 8240, 8260, 602 and 624.)
*For a list of NAICS codes, please refer to Section 9 of the EQ Resource Guide.

Section 10 – Fuel Blending Information

10.1) Is this waste intended for fuel blending? ☐ Yes* ☑ No
*If yes, Heat value (BTU/lb.) _____ Chlorine (%) _____ Water (%)_____ Solids (%) _____
10.2) Is this waste intended for reclamation? ☐ Yes ☑ No (5-Gallon Sample required for all reclaim waste streams)

Section 11 – Constituent Information

Please identify your waste constituents from these four categories: ***Underlying Hazardous Constituents (UHC's), Volatile Organic Hazardous Air Pollutants (VOHAP's), Volatile Organic Compounds (VOC's) and Toxic Release Inventory Constituents (TRI)***

Constituent	Concentration	UHC?		Constituent	Concentration	UHC?	
		☐ Yes	☐ No			☐ Yes	☐ No
		☐ Yes	☐ No			☐ Yes	☐ No
		☐ Yes	☐ No			☐ Yes	☐ No
		☐ Yes	☐ No			☐ Yes	☐ No
		☐ Yes	☐ No			☐ Yes	☐ No

Please see Section 11 of the EQ Resource Guide for a list of UHC's, VOHAP's and VOC's. For a complete list of TRI constituents, please refer to 40 CFR 372.65.

Section 12 – Certification

I certify that all information (including attachments) is complete and factual and is an accurate representation of the known and suspected hazards, pertaining to the waste described herein. I authorize EQ's Resource Team to add supplemental information to the waste approval file, provided I am contacted and give verbal permission. I authorize EQ's Resource Team to obtain a sample from any waste shipment for purposes of verification and confirmation. I agree that, if EQ approves the waste described herein, all such wastes that are transported, delivered, or tendered to EQ by Generator or on Generator's behalf shall be subject to, and Generator shall be bound by, the attached Standard Terms and Conditions.

Generator Signature _____ Printed Name _____

Company _____ Title _____ Date _____

The generator's signature <u>MUST</u> appear on the EQ Waste Characterization Report. If the generator has authorized a third party to certify this document, a written notice (on generator letterhead) must accompany this submittal. Although the EQ Resource Team is authorized to make certain modifications to the information provided on this form, the addition or removal of waste codes and waste constituents must be documented by the generator.

STANDARD TERMS AND CONDITIONS

The Agreement between the Customer and EQ – The Environmental Quality Company and/or its member companies (hereinafter "EQ") related to or associated with Delivered Waste, as herein defined, shall be governed by the following Standard Terms and Conditions in addition to the terms and conditions contained in any Waste Characterization Report, Customer Approval Quote Confirmation, Generator Approval Notification, Notice of Waste Approval Expiration, and/or Credit Agreement associated with such Delivered Waste.

The Customer may use its standard forms (such as purchase orders, acknowledgments of orders, and invoices) to administer its dealings under this Agreement for convenience purposes, but all provisions thereof in conflict with these terms and conditions shall be deemed stricken.

Definitions

The following definitions shall apply for purposes of this Agreement:

"**Acceptable Waste**" shall mean any hazardous waste, as defined under applicable State or federal law, determined by EQ as acceptable for treatment and/or disposal in accordance with this Agreement.

"**Delivered Wastes**" shall mean all wastes (i) which are transported, delivered, or tendered to EQ by the Customer; (ii) which the Customer has arranged for the transport, delivery or tender to EQ; or (iii)) which are transported, delivered, or tendered to EQ under a Credit Agreement between the Customer and EQ.

"Non-Conforming Wastes" shall mean wastes that (a) are not in accordance in all material respects with the warranties, descriptions, specifications or limitations stated in the Waste Characterization Report and this Agreement; (b) have constituents or components of a type or concentration not specifically identified in the Waste Characterization Report (i) which increase the nature or extent of the hazard and risk undertaken by EQ in treating and/or disposing of the waste, or (ii) for whose treatment and/or disposal a Waste Management Facility is not designed or permitted, or (iii) which increase the cost of treatment and/or disposal of waste beyond that specified in EQ's price quote; or (c) are not properly packaged, labeled, described, or placarded, or otherwise not in compliance with United States Department of Transportation and United States Environmental Protection Agency regulations.

Control of Operations.

EQ shall have sole control over all aspects of the operation of any treatment and/or disposal facility of EQ receiving Delivered Wastes under this Agreement (hereinafter, "Waste Management Facility"), including, without limitation, maintaining EQ's desired volume of Acceptable Wastes being delivered to any Waste Management Facility by the Customer or any other person or entity.

Identification of Waste.

For each waste material to be transported, delivered, or tendered to EQ under this Agreement, the Customer shall provide, or cause to be provided, to EQ a representative sample of the waste material and a completed Waste Characterization Report containing a physical and chemical description or analysis of such waste material, which description shall conform with any and all guidelines for waste acceptance provided by EQ. On the basis of EQ's analysis of such representative sample of the waste material and such Waste Characterization Report, EQ will determine whether such wastes are Acceptable Wastes. EQ does not make any guarantee that it will handle any waste material or any particular quantity or type of waste material, and EQ reserves the right to the decline to transport, treat and/or dispose of waste material. The Customer shall promptly furnish to EQ any information regarding known, suspected or planned changes in the composition of the waste material. Further, the Customer shall promptly inform EQ of any change in the characteristic or condition of the waste material which becomes known to the Customer subsequent to the date of the Waste Characterization Report.

Non-Conforming Wastes.

In the event that EQ at any time discovers that any Delivered Waste is Non-Conforming Waste, EQ may reject or revoke its acceptance of the Non-Conforming Waste. The Customer shall have seven (7) days to direct an alternative lawful manner of disposition of the waste, unless it is necessary by reason of law or otherwise to move the Non-Conforming Waste prior to expiration of the seven (7) day period. If the Customer does not direct an alternative disposal, at its option, EQ may return any such Non-Conforming Wastes to the Customer, and the Customer shall pay or reimburse EQ for all costs and expenses incurred by EQ in connection with the receipt, handling, sampling, analyses, transportation and return to the Customer of such Non-Conforming Wastes. If it is impossible or impractical for EQ to return the Non-Conforming Waste to the Customer, the Customer shall reimburse EQ for all costs, of any type or nature whatsoever, incurred by EQ, solely because such Delivered Waste was Non-Conforming Waste (including, but not limited to, all costs associated with any remedial steps necessary, due to the nature of the Non-Conforming Waste, in connection with material with which the Non-Conforming Waste may have been commingled and all expenses and charges for analyzing, handling, locating, preparing for transporting, storing and disposing of any Non-Conforming Waste).

Customer Warranty - Acceptable Wastes.

All Delivered Wastes shall be Acceptable Wastes and shall conform in all material respects to the description and specifications contained in the Waste Characterization Report. The information set forth in the Waste Characterization Report or any manifest, placard or label associated with any Delivered Wastes, or otherwise represented by the Customer or the generator (if other than the Customer) to EQ, is and shall be true, accurate and complete as of the date of receipt of the involved waste by EQ.

Customer Warranty - Title to Wastes.

Either the Customer or the generator (if other than the Customer) shall hold clear title, free of any all liens, claims, encumbrances, and charges to Delivered Waste until such waste is accepted by EQ.

Customer Warranty - Compliance with Laws.

The Customer shall comply with all applicable federal, state and local environmental statutes, regulations, and other governmental requirements, as well as directives issued by EQ from time to time, governing the transportation, treatment and/or disposal of Acceptable Wastes, including, but not limited to, all packaging, manifesting, containerization, placarding and labeling requirements.

Customer Warranty - Updating Information.

If the Customer receives information that Delivered Waste or other hazardous waste described in the Waste Characterization Report, or some component of such waste, presents or may present a hazard or risk to persons, property or the environment which was not disclosed to EQ, or if the Customer or generator (if other than the Customer) has changed the process by which such waste results, the Customer shall promptly report such information to EQ in writing.

Customer Indemnity.

The Customer shall indemnify, defend and hold harmless EQ, and its affiliated or related companies, and all of their respective present or future officers, directors, shareholders, employees and agents from and against any and all losses, damages, liabilities, penalties, fines, forfeitures, demands, claims, causes of action, suits, costs and expenses (including, but not limited to, reasonable costs of defense, settlement, and reasonable attorneys' fees), which may be asserted against any or all of them by any person or any governmental agency, or which any or all of them may hereafter suffer, incur, be responsible for or pay out, as a result of or in connection with bodily injuries (including, but not limited to, death, sickness, disease and emotional or mental distress) to any person (including EQ's employees), damage (including, but not limited to, loss of use) to any property (public or private), or any requirements to conduct or incur expense for investigative, removal or remedial expenses in connection with contamination of or adverse effect on the environment, or any violation or alleged violation of any statues, ordinances, orders, rules or regulations of any governmental entity or agency, caused or arising out of (i) a breach of this Agreement by the Customer, (ii) the failure of any warranty of the Customer to be true, accurate and complete, or (iii) any willful or negligent act or omission of the Customer, or its employees or agents in connection with the performance of this Agreement.

Force Majeure

EQ shall not be liable for any failure to accept, receive, handle, treat, and/or dispose of Delivered Waste due to an act of God, fire, casualty, flood, war, strike, lockout, labor trouble, failure of public utilities, equipment failure, facility shutdown, injunction, accident, epidemic, riot, insurrection, destruction of operation or transportation facilities, the inability to procure materials, equipment, or sufficient personnel or energy in order to meet operational needs without the necessity of allocation, the failure or inability to obtain any governmental approvals or to meet Environmental Requirements (including, but not limited to voluntary or involuntary compliance with any act, exercise, assertion, or requirement of any governmental authority) which may temporarily or permanently prohibit operations of EQ, the Customer, or the Generator, or any other circumstances beyond the control of EQ which prevents or delays performance of any of its obligations under this Agreement.

Governing Laws

This Agreement shall in all respects be governed by and shall be construed in accordance with the laws of the State of Michigan applied to contracts executed and performed wholly within such state.

Report Date:
02-Apr-08 15:38

☑ Final Report
☐ Re-Issued Report
☐ Revised Report

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

Laboratory Report

New England Disposal Technologies, Inc
83 Gilmore Drive
Sutton, MA 01590
Attn: Lon Cohen

Project: Arrowwood Housing Site - Groton, CT
Project [none]

Laboratory ID	Client Sample ID	Matrix	Date Sampled	Date Received
SA76385-01	Drum Comp	Ground Water	27-Mar-08 13:15	28-Mar-08 17:30

I attest that the information contained within the report has been reviewed for accuracy and checked against the quality control requirements for each method. These results relate only to the sample(s) as received.
All applicable NELAC requirements have been met
Please note that this report contains 26 pages of analytical data plus Chain of Custody document(s).
This report may not be reproduced, except in full, without written approval from Spectrum Analytical Inc.

Massachusetts Certification # M-MA138/MA1110
Connecticut # PH-0777
Florida # E87600/E87936
Maine # MA138
New Hampshire # 2538
New Jersey # MA011/MA012
New York # 11393/11840
Rhode Island # 98
USDA # S-51435
Vermont # VT-11393

ACCREDITED IN ACCORDANCE WITH nelac

Authorized by:

Hanibal C. Tayeh, Ph.D.
President/Laboratory Director

Technical Reviewer's Initial:

Spectrum Analytical, Inc. is a NELAC accredited laboratory organization and meets NELAC testing standards. Use of the NELAC logo however does not insure that Spectrum is currently accredited for the specific method or analyte indicated. Please refer to our "Quality" web page at www.spectrum-analytical.com for a full listing of our current certifications and fields of accreditation. States in which Spectrum Analytical, Inc. holds NELAC certification are New York, New Hampshire, New Jersey and Florida. All analytical work for Volatile Organic and Air analysis are transferred to and conducted at our 830 Silver Street location (NY-11840, FL-E87936 and NJ-MA012).

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Drum Comp SA76385-01	[none]	Ground Water	27-Mar-08 13:15	28-Mar-08

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Analyst*
Volatile Organic Compounds											
Volatile Organic Compounds											
Prepared by method SW846 5030 Water MS											
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon	BRL		µg/l	1.0	1	SW 846 8260B	31-Mar-08	31-Mar-08	8032158	JLD
67-64-1	Acetone	259	E	µg/l	10.0	1	"	"	"	"	"
107-13-1	Acrylonitrile	BRL		µg/l	0.5	1	"	"	"	"	"
71-43-2	Benzene	BRL		µg/l	1.0	1	"	"	"	"	"
108-86-1	Bromobenzene	BRL		µg/l	1.0	1	"	"	"	"	"
74-97-5	Bromochloromethane	BRL		µg/l	1.0	1	"	"	"	"	"
75-27-4	Bromodichloromethane	BRL		µg/l	0.5	1	"	"	"	"	"
75-25-2	Bromoform	BRL		µg/l	1.0	1	"	"	"	"	"
74-83-9	Bromomethane	BRL		µg/l	2.0	1	"	"	"	"	"
78-93-3	2-Butanone (MEK)	BRL		µg/l	10.0	1	"	"	"	"	"
104-51-8	n-Butylbenzene	BRL		µg/l	1.0	1	"	"	"	"	"
135-98-8	sec-Butylbenzene	BRL		µg/l	1.0	1	"	"	"	"	"
98-06-6	tert-Butylbenzene	BRL		µg/l	1.0	1	"	"	"	"	"
75-15-0	Carbon disulfide	BRL		µg/l	5.0	1	"	"	"	"	"
56-23-5	Carbon tetrachloride	BRL		µg/l	1.0	1	"	"	"	"	"
108-90-7	Chlorobenzene	BRL		µg/l	1.0	1	"	"	"	"	"
75-00-3	Chloroethane	BRL		µg/l	2.0	1	"	"	"	"	"
67-66-3	Chloroform	BRL		µg/l	1.0	1	"	"	"	"	"
74-87-3	Chloromethane	BRL		µg/l	2.0	1	"	"	"	"	"
95-49-8	2-Chlorotoluene	BRL		µg/l	1.0	1	"	"	"	"	"
106-43-4	4-Chlorotoluene	BRL		µg/l	1.0	1	"	"	"	"	"
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/l	2.0	1	"	"	"	"	"
124-48-1	Dibromochloromethane	BRL		µg/l	0.5	1	"	"	"	"	"
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/l	0.5	1	"	"	"	"	"
74-95-3	Dibromomethane	BRL		µg/l	1.0	1	"	"	"	"	"
95-50-1	1,2-Dichlorobenzene	BRL		µg/l	1.0	1	"	"	"	"	"
541-73-1	1,3-Dichlorobenzene	BRL		µg/l	1.0	1	"	"	"	"	"
106-46-7	1,4-Dichlorobenzene	BRL		µg/l	1.0	1	"	"	"	"	"
75-71-8	Dichlorodifluoromethane (Freon12)	BRL		µg/l	2.0	1	"	"	"	"	"
75-34-3	1,1-Dichloroethane	BRL		µg/l	1.0	1	"	"	"	"	"
107-06-2	1,2-Dichloroethane	BRL		µg/l	1.0	1	"	"	"	"	"
75-35-4	1,1-Dichloroethene	BRL		µg/l	1.0	1	"	"	"	"	"
156-59-2	cis-1,2-Dichloroethene	BRL		µg/l	1.0	1	"	"	"	"	"
156-60-5	trans-1,2-Dichloroethene	BRL		µg/l	1.0	1	"	"	"	"	"
78-87-5	1,2-Dichloropropane	BRL		µg/l	1.0	1	"	"	"	"	"
142-28-9	1,3-Dichloropropane	BRL		µg/l	1.0	1	"	"	"	"	"
594-20-7	2,2-Dichloropropane	BRL		µg/l	1.0	1	"	"	"	"	"
563-58-6	1,1-Dichloropropene	BRL		µg/l	1.0	1	"	"	"	"	"
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/l	0.5	1	"	"	"	"	"
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/l	0.5	1	"	"	"	"	"
100-41-4	Ethylbenzene	BRL		µg/l	1.0	1	"	"	"	"	"
87-68-3	Hexachlorobutadiene	BRL		µg/l	0.5	1	"	"	"	"	"
591-78-6	2-Hexanone (MBK)	BRL		µg/l	10.0	1	"	"	"	"	"
98-82-8	Isopropylbenzene	BRL		µg/l	1.0	1	"	"	"	"	"
99-87-6	4-Isopropyltoluene	BRL		µg/l	1.0	1	"	"	"	"	"
1634-04-4	Methyl tert-butyl ether	BRL		µg/l	1.0	1	"	"	"	"	"
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/l	10.0	1	"	"	"	"	"
75-09-2	Methylene chloride	BRL		µg/l	5.0	1	"	"	"	"	"
91-20-3	Naphthalene	BRL		µg/l	1.0	1	"	"	"	"	"
103-65-1	n-Propylbenzene	BRL		µg/l	1.0	1	"	"	"	"	"

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* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Drum Comp SA76385-01	[none]	Ground Water	27-Mar-08 13:15	28-Mar-08

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst
Volatile Organic Compounds											
Volatile Organic Compounds											
Prepared by method SW846 5030 Water MS											
100-42-5	Styrene	BRL		µg/l	1.0	1	SW 846 8260B	31-Mar-08	31-Mar-08	8032158	JLD
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/l	1.0	1	"	"	"	"	"
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/l	0.5	1	"	"	"	"	"
127-18-4	Tetrachloroethene	BRL		µg/l	1.0	1	"	"	"	"	"
108-88-3	Toluene	BRL		µg/l	1.0	1	"	"	"	"	"
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/l	1.0	1	"	"	"	"	"
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/l	1.0	1	"	"	"	"	"
108-70-3	1,3,5-Trichlorobenzene	BRL		µg/l	1.0	1	"	"	"	"	"
71-55-6	1,1,1-Trichloroethane	BRL		µg/l	1.0	1	"	"	"	"	"
79-00-5	1,1,2-Trichloroethane	BRL		µg/l	1.0	1	"	"	"	"	"
79-01-6	Trichloroethene	BRL		µg/l	1.0	1	"	"	"	"	"
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/l	1.0	1	"	"	"	"	"
96-18-4	1,2,3-Trichloropropane	BRL		µg/l	1.0	1	"	"	"	"	"
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/l	1.0	1	"	"	"	"	"
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/l	1.0	1	"	"	"	"	"
75-01-4	Vinyl chloride	BRL		µg/l	1.0	1	"	"	"	"	"
1330-20-7	m,p-Xylene	BRL		µg/l	2.0	1	"	"	"	"	"
95-47-6	o-Xylene	BRL		µg/l	1.0	1	"	"	"	"	"
109-99-9	Tetrahydrofuran	BRL		µg/l	10.0	1	"	"	"	"	"
60-29-7	Ethyl ether	BRL		µg/l	1.0	1	"	"	"	"	"
994-05-8	Tert-amyl methyl ether	BRL		µg/l	1.0	1	"	"	"	"	"
637-92-3	Ethyl tert-butyl ether	BRL		µg/l	1.0	1	"	"	"	"	"
108-20-3	Di-isopropyl ether	BRL		µg/l	1.0	1	"	"	"	"	"
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/l	10.0	1	"	"	"	"	"
123-91-1	1,4-Dioxane	BRL		µg/l	20.0	1	"	"	"	"	"
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/l	5.0	1	"	"	"	"	"
64-17-5	Ethanol	BRL		µg/l	500	1	"	"	"	"	"
Surrogate recoveries:											
460-00-4	*4-Bromofluorobenzene*	*93*		*70-130 %*			"	"	"	"	"
2037-26-5	*Toluene-d8*	*104*		*70-130 %*			"	"	"	"	"
17060-07-0	*1,2-Dichloroethane-d4*	*126*		*70-130 %*			"	"	"	"	"
1868-53-7	*Dibromofluoromethane*	*106*		*70-130 %*			"	"	"	"	"
Re-analysis of Volatile Organic Compounds											
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon	BRL		µg/l	5.0	5	SW 846 8260B	02-Apr-08	02-Apr-08	8040140	EQ
67-64-1	Acetone	202		µg/l	50.0	5	"	"	"	"	"
107-13-1	Acrylonitrile	BRL		µg/l	2.5	5	"	"	"	"	"
71-43-2	Benzene	BRL		µg/l	5.0	5	"	"	"	"	"
108-86-1	Bromobenzene	BRL		µg/l	5.0	5	"	"	"	"	"
74-97-5	Bromochloromethane	BRL		µg/l	5.0	5	"	"	"	"	"
75-27-4	Bromodichloromethane	BRL		µg/l	2.5	5	"	"	"	"	"
75-25-2	Bromoform	BRL		µg/l	5.0	5	"	"	"	"	"
74-83-9	Bromomethane	BRL		µg/l	10.0	5	"	"	"	"	"
78-93-3	2-Butanone (MEK)	BRL		µg/l	50.0	5	"	"	"	"	"
104-51-8	n-Butylbenzene	BRL		µg/l	5.0	5	"	"	"	"	"
135-98-8	sec-Butylbenzene	BRL		µg/l	5.0	5	"	"	"	"	"
98-06-6	tert-Butylbenzene	BRL		µg/l	5.0	5	"	"	"	"	"
75-15-0	Carbon disulfide	BRL		µg/l	25.0	5	"	"	"	"	"
56-23-5	Carbon tetrachloride	BRL		µg/l	5.0	5	"	"	"	"	"
108-90-7	Chlorobenzene	BRL		µg/l	5.0	5	"	"	"	"	"
75-00-3	Chloroethane	BRL		µg/l	10.0	5	"	"	"	"	"

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* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Drum Comp SA76385-01	[none]	Ground Water	27-Mar-08 13:15	28-Mar-08

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Analyst*
Volatile Organic Compounds											
Volatile Organic Compounds											
Prepared by method SW846 5030 Water MS											
Re-analysis of Volatile Organic Compounds											
67-66-3	Chloroform	BRL		µg/l	5.0	5	SW 846 8260B	02-Apr-08	02-Apr-08	8040140	EQ
74-87-3	Chloromethane	BRL		µg/l	10.0	5	"	"	"	"	"
95-49-8	2-Chlorotoluene	BRL		µg/l	5.0	5	"	"	"	"	"
106-43-4	4-Chlorotoluene	BRL		µg/l	5.0	5	"	"	"	"	"
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/l	10.0	5	"	"	"	"	"
124-48-1	Dibromochloromethane	BRL		µg/l	2.5	5	"	"	"	"	"
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/l	2.5	5	"	"	"	"	"
74-95-3	Dibromomethane	BRL		µg/l	5.0	5	"	"	"	"	"
95-50-1	1,2-Dichlorobenzene	BRL		µg/l	5.0	5	"	"	"	"	"
541-73-1	1,3-Dichlorobenzene	BRL		µg/l	5.0	5	"	"	"	"	"
106-46-7	1,4-Dichlorobenzene	BRL		µg/l	5.0	5	"	"	"	"	"
75-71-8	Dichlorodifluoromethane (Freon12)	BRL		µg/l	10.0	5	"	"	"	"	"
75-34-3	1,1-Dichloroethane	BRL		µg/l	5.0	5	"	"	"	"	"
107-06-2	1,2-Dichloroethane	BRL		µg/l	5.0	5	"	"	"	"	"
75-35-4	1,1-Dichloroethene	BRL		µg/l	5.0	5	"	"	"	"	"
156-59-2	cis-1,2-Dichloroethene	BRL		µg/l	5.0	5	"	"	"	"	"
156-60-5	trans-1,2-Dichloroethene	BRL		µg/l	5.0	5	"	"	"	"	"
78-87-5	1,2-Dichloropropane	BRL		µg/l	5.0	5	"	"	"	"	"
142-28-9	1,3-Dichloropropane	BRL		µg/l	5.0	5	"	"	"	"	"
594-20-7	2,2-Dichloropropane	BRL		µg/l	5.0	5	"	"	"	"	"
563-58-6	1,1-Dichloropropene	BRL		µg/l	5.0	5	"	"	"	"	"
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/l	2.5	5	"	"	"	"	"
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/l	2.5	5	"	"	"	"	"
100-41-4	Ethylbenzene	BRL		µg/l	5.0	5	"	"	"	"	"
87-68-3	Hexachlorobutadiene	BRL		µg/l	2.5	5	"	"	"	"	"
591-78-6	2-Hexanone (MBK)	BRL		µg/l	50.0	5	"	"	"	"	"
98-82-8	Isopropylbenzene	BRL		µg/l	5.0	5	"	"	"	"	"
99-87-6	4-Isopropyltoluene	BRL		µg/l	5.0	5	"	"	"	"	"
1634-04-4	Methyl tert-butyl ether	BRL		µg/l	5.0	5	"	"	"	"	"
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/l	50.0	5	"	"	"	"	"
75-09-2	Methylene chloride	BRL		µg/l	25.0	5	"	"	"	"	"
91-20-3	Naphthalene	BRL		µg/l	5.0	5	"	"	"	"	"
103-65-1	n-Propylbenzene	BRL		µg/l	5.0	5	"	"	"	"	"
100-42-5	Styrene	BRL		µg/l	5.0	5	"	"	"	"	"
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/l	5.0	5	"	"	"	"	"
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/l	2.5	5	"	"	"	"	"
127-18-4	Tetrachloroethene	BRL		µg/l	5.0	5	"	"	"	"	"
108-88-3	Toluene	BRL		µg/l	5.0	5	"	"	"	"	"
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/l	5.0	5	"	"	"	"	"
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/l	5.0	5	"	"	"	"	"
108-70-3	1,3,5-Trichlorobenzene	BRL		µg/l	5.0	5	"	"	"	"	"
71-55-6	1,1,1-Trichloroethane	BRL		µg/l	5.0	5	"	"	"	"	"
79-00-5	1,1,2-Trichloroethane	BRL		µg/l	5.0	5	"	"	"	"	"
79-01-6	Trichloroethene	BRL		µg/l	5.0	5	"	"	"	"	"
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/l	5.0	5	"	"	"	"	"
96-18-4	1,2,3-Trichloropropane	BRL		µg/l	5.0	5	"	"	"	"	"
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/l	5.0	5	"	"	"	"	"
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/l	5.0	5	"	"	"	"	"
75-01-4	Vinyl chloride	BRL		µg/l	5.0	5	"	"	"	"	"

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* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Drum Comp SA76385-01	[none]	Ground Water	27-Mar-08 13:15	28-Mar-08

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Analyst*
Volatile Organic Compounds											
Volatile Organic Compounds											
Prepared by method SW846 5030 Water MS											
Re-analysis of Volatile Organic Compounds											
1330-20-7	m,p-Xylene	BRL		µg/l	10.0	5	SW 846 8260B	02-Apr-08	02-Apr-08	8040140	EQ
95-47-6	o-Xylene	BRL		µg/l	5.0	5	"	"	"	"	"
109-99-9	Tetrahydrofuran	BRL		µg/l	50.0	5	"	"	"	"	"
60-29-7	Ethyl ether	BRL		µg/l	5.0	5	"	"	"	"	"
994-05-8	Tert-amyl methyl ether	BRL		µg/l	5.0	5	"	"	"	"	"
637-92-3	Ethyl tert-butyl ether	BRL		µg/l	5.0	5	"	"	"	"	"
108-20-3	Di-isopropyl ether	BRL		µg/l	5.0	5	"	"	"	"	"
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/l	50.0	5	"	"	"	"	"
123-91-1	1,4-Dioxane	BRL		µg/l	100	5	"	"	"	"	"
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/l	25.0	5	"	"	"	"	"
64-17-5	Ethanol	BRL		µg/l	2500	5	"	"	"	"	"
Surrogate recoveries:											
460-00-4	*4-Bromofluorobenzene*	*98*		*70-130 %*			"	"	"	"	"
2037-26-5	*Toluene-d8*	*97*		*70-130 %*			"	"	"	"	"
17060-07-0	*1,2-Dichloroethane-d4*	*101*		*70-130 %*			"	"	"	"	"
1868-53-7	*Dibromofluoromethane*	*100*		*70-130 %*			"	"	"	"	"
Semivolatile Organic Compounds by GCMS											
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3510C											
83-32-9	Acenaphthene	BRL		µg/l	6.25	1	SW846 8270C	31-Mar-08	31-Mar-08	8032125	M.B
208-96-8	Acenaphthylene	BRL		µg/l	6.25	1	"	"	"	"	"
62-53-3	Aniline	BRL		µg/l	6.25	1	"	"	"	"	"
120-12-7	Anthracene	BRL		µg/l	6.25	1	"	"	"	"	"
1912-24-9	Atrazine	BRL		µg/l	6.25	1	"	"	"	"	"
103-33-3	Azobenzene/Diphenyldiazine	BRL		µg/l	6.25	1	"	"	"	"	"
92-87-5	Benzidine	BRL		µg/l	6.25	1	"	"	"	"	"
56-55-3	Benzo (a) anthracene	BRL		µg/l	6.25	1	"	"	"	"	"
50-32-8	Benzo (a) pyrene	BRL		µg/l	6.25	1	"	"	"	"	"
205-99-2	Benzo (b) fluoranthene	BRL		µg/l	6.25	1	"	"	"	"	"
191-24-2	Benzo (g,h,i) perylene	BRL		µg/l	6.25	1	"	"	"	"	"
207-08-9	Benzo (k) fluoranthene	BRL		µg/l	6.25	1	"	"	"	"	"
65-85-0	Benzoic acid	BRL		µg/l	6.25	1	"	"	"	"	"
100-51-6	Benzyl alcohol	BRL		µg/l	6.25	1	"	"	"	"	"
111-91-1	Bis(2-chloroethoxy)methane	BRL		µg/l	6.25	1	"	"	"	"	"
111-44-4	Bis(2-chloroethyl)ether	BRL		µg/l	6.25	1	"	"	"	"	"
108-60-1	Bis(2-chloroisopropyl)ether	BRL		µg/l	6.25	1	"	"	"	"	"
117-81-7	Bis(2-ethylhexyl)phthalate	BRL		µg/l	6.25	1	"	"	"	"	"
101-55-3	4-Bromophenyl phenyl ether	BRL		µg/l	6.25	1	"	"	"	"	"
85-68-7	Butyl benzyl phthalate	BRL		µg/l	6.25	1	"	"	"	"	"
86-74-8	Carbazole	BRL		µg/l	6.25	1	"	"	"	"	"
59-50-7	4-Chloro-3-methylphenol	BRL		µg/l	6.25	1	"	"	"	"	"
106-47-8	4-Chloroaniline	BRL		µg/l	6.25	1	"	"	"	"	"
91-58-7	2-Chloronaphthalene	BRL		µg/l	6.25	1	"	"	"	"	"
95-57-8	2-Chlorophenol	BRL		µg/l	6.25	1	"	"	"	"	"
7005-72-3	4-Chlorophenyl phenyl ether	BRL		µg/l	6.25	1	"	"	"	"	"
218-01-9	Chrysene	BRL		µg/l	6.25	1	"	"	"	"	"
53-70-3	Dibenzo (a,h) anthracene	BRL		µg/l	6.25	1	"	"	"	"	"
132-64-9	Dibenzofuran	BRL		µg/l	6.25	1	"	"	"	"	"
95-50-1	1,2-Dichlorobenzene	BRL		µg/l	6.25	1	"	"	"	"	"

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* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Drum Comp SA76385-01	[none]	Ground Water	27-Mar-08 13:15	28-Mar-08

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Analyst*
Semivolatile Organic Compounds by GCMS											
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3510C											
541-73-1	1,3-Dichlorobenzene	BRL		µg/l	6.25	1	SW846 8270C	31-Mar-08	31-Mar-08	8032125	M.B
106-46-7	1,4-Dichlorobenzene	BRL		µg/l	6.25	1	"	"	"	"	"
91-94-1	3,3'-Dichlorobenzidine	BRL		µg/l	6.25	1	"	"	"	"	"
120-83-2	2,4-Dichlorophenol	BRL		µg/l	6.25	1	"	"	"	"	"
84-66-2	Diethyl phthalate	BRL		µg/l	6.25	1	"	"	"	"	"
131-11-3	Dimethyl phthalate	BRL		µg/l	6.25	1	"	"	"	"	"
105-67-9	2,4-Dimethylphenol	BRL		µg/l	6.25	1	"	"	"	"	"
84-74-2	Di-n-butyl phthalate	BRL		µg/l	6.25	1	"	"	"	"	"
534-52-1	4,6-Dinitro-2-methylphenol	BRL		µg/l	6.25	1	"	"	"	"	"
51-28-5	2,4-Dinitrophenol	BRL		µg/l	6.25	1	"	"	"	"	"
121-14-2	2,4-Dinitrotoluene	BRL		µg/l	6.25	1	"	"	"	"	"
606-20-2	2,6-Dinitrotoluene	BRL		µg/l	6.25	1	"	"	"	"	"
117-84-0	Di-n-octyl phthalate	BRL		µg/l	6.25	1	"	"	"	"	"
206-44-0	Fluoranthene	BRL		µg/l	6.25	1	"	"	"	"	"
86-73-7	Fluorene	BRL		µg/l	6.25	1	"	"	"	"	"
118-74-1	Hexachlorobenzene	BRL		µg/l	6.25	1	"	"	"	"	"
87-68-3	Hexachlorobutadiene	BRL		µg/l	6.25	1	"	"	"	"	"
77-47-4	Hexachlorocyclopentadiene	BRL		µg/l	6.25	1	"	"	"	"	"
67-72-1	Hexachloroethane	BRL		µg/l	6.25	1	"	"	"	"	"
193-39-5	Indeno (1,2,3-cd) pyrene	BRL		µg/l	6.25	1	"	"	"	"	"
78-59-1	Isophorone	BRL		µg/l	6.25	1	"	"	"	"	"
91-57-6	2-Methylnaphthalene	BRL		µg/l	6.25	1	"	"	"	"	"
95-48-7	2-Methylphenol	BRL		µg/l	6.25	1	"	"	"	"	"
108-39-4, 106-44-5	3,4-Methylphenol	BRL		µg/l	12.5	1	"	"	"	"	"
91-20-3	Naphthalene	BRL		µg/l	6.25	1	"	"	"	"	"
88-74-4	2-Nitroaniline	BRL		µg/l	6.25	1	"	"	"	"	"
99-09-2	3-Nitroaniline	BRL		µg/l	6.25	1	"	"	"	"	"
100-01-6	4-Nitroaniline	BRL		µg/l	25.0	1	"	"	"	"	"
98-95-3	Nitrobenzene	BRL		µg/l	6.25	1	"	"	"	"	"
88-75-5	2-Nitrophenol	BRL		µg/l	6.25	1	"	"	"	"	"
100-02-7	4-Nitrophenol	BRL		µg/l	25.0	1	"	"	"	"	"
62-75-9	N-Nitrosodimethylamine	BRL		µg/l	6.25	1	"	"	"	"	"
621-64-7	N-Nitrosodi-n-propylamine	BRL		µg/l	6.25	1	"	"	"	"	"
86-30-6	N-Nitrosodiphenylamine	BRL		µg/l	6.25	1	"	"	"	"	"
87-86-5	Pentachlorophenol	BRL		µg/l	25.0	1	"	"	"	"	"
85-01-8	Phenanthrene	BRL		µg/l	6.25	1	"	"	"	"	"
108-95-2	Phenol	BRL		µg/l	6.25	1	"	"	"	"	"
129-00-0	Pyrene	BRL		µg/l	6.25	1	"	"	"	"	"
110-86-1	Pyridine	BRL		µg/l	6.25	1	"	"	"	"	"
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/l	6.25	1	"	"	"	"	"
90-12-0	1-Methylnaphthalene	BRL		µg/l	6.25	1	"	"	"	"	"
95-95-4	2,4,5-Trichlorophenol	BRL		µg/l	6.25	1	"	"	"	"	"
88-06-2	2,4,6-Trichlorophenol	BRL		µg/l	6.25	1	"	"	"	"	"
82-68-8	Pentachloronitrobenzene	BRL		µg/l	6.25	1	"	"	"	"	"
95-94-3	1,2,4,5-Tetrachlorobenzene	BRL		µg/l	6.25	1	"	"	"	"	"
Surrogate recoveries:											
321-60-8	*2-Fluorobiphenyl*	*60*		*30-130 %*			"	"	"	"	"
367-12-4	*2-Fluorophenol*	*69*		*15-110 %*			"	"	"	"	"
4165-60-0	*Nitrobenzene-d5*	*57*		*30-130 %*			"	"	"	"	"
4165-62-2	*Phenol-d5*	*54*		*15-110 %*			"	"	"	"	"

This laboratory report is not valid without an authorized signature on the cover page.

* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Drum Comp SA76385-01	[none]	Ground Water	27-Mar-08 13:15	28-Mar-08

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst
Semivolatile Organic Compounds by GCMS											
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3510C											
1718-51-0	*Terphenyl-dl4*	*63*		*30-130 %*			SW846 8270C	31-Mar-08	31-Mar-08	8032125	M.B
118-79-6	*2,4,6-Tribromophenol*	*71*		*15-110 %*			"	"	"	"	"
Semivolatile Organic Compounds by GC											
Polychlorinated Biphenyls by SW846 8082											
Prepared by method SW846 3510C											
12674-11-2	PCB 1016	BRL		µg/l	0.250	1	SW846 8082	31-Mar-08	01-Apr-08	8032140	IMR
11104-28-2	PCB 1221	BRL		µg/l	0.250	1	"	"	"	"	"
11141-16-5	PCB 1232	BRL		µg/l	0.250	1	"	"	"	"	"
53469-21-9	PCB 1242	BRL		µg/l	0.250	1	"	"	"	"	"
12672-29-6	PCB 1248	BRL		µg/l	0.250	1	"	"	"	"	"
11097-69-1	PCB 1254	BRL		µg/l	0.250	1	"	"	"	"	"
11096-82-5	PCB 1260	BRL		µg/l	0.250	1	"	"	"	"	"
37324-23-5	PCB 1262	BRL		µg/l	0.250	1	"	"	"	"	"
11100-14-4	PCB 1268	BRL		µg/l	0.250	1	"	"	"	"	"
Surrogate recoveries:											
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*48*		*30-150 %*			"	"	"	"	"
2051-24-3	*Decachlorobiphenyl (Sr)*	*56*		*30-150 %*			"	"	"	"	"
Total Metals by EPA 6000/7000 Series Methods											
7440-22-4	Silver	BRL		mg/l	0.0050	1	SW846 6010B	31-Mar-08	01-Apr-08	8032142	SA
7440-38-2	Arsenic	BRL		mg/l	0.0040	1	"	"	"	"	"
7440-39-3	Barium	0.0528		mg/l	0.0050	1	"	"	"	"	"
7440-43-9	Cadmium	BRL		mg/l	0.0025	1	"	"	"	"	"
7440-47-3	Chromium	BRL		mg/l	0.0050	1	"	"	"	"	"
7439-92-1	Lead	BRL		mg/l	0.0075	1	"	"	"	"	"
7782-49-2	Selenium	BRL		mg/l	0.0150	1	"	"	"	"	"
Total Metals by EPA 200 Series Methods											
7439-97-6	Mercury	0.00170		mg/l	0.00020	1	EPA 245.1/7470A	31-Mar-08	01-Apr-08	8032144	CRM
General Chemistry Parameters											
	pH	6.79	pHHT	pH Units		1	ASTM D 1293-99B	28-Mar-08 18:40	28-Mar-08 18:40	8032115	QP
Reactivity Cyanide/Sulfide											
Prepared by method General Preparation											
	Reactivity	Non-reactive		mg/l		1	SW846 Ch. 7.3	31-Mar-08	31-Mar-08	8032242	TDD
	Reactive Cyanide	BRL		mg/l	25.0	1	"	"	"	"	"
	Reactive Sulfide	BRL		mg/l	50.0	1	"	"	"	"	"

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 8032158 - SW846 5030 Water MS										
Blank (8032158-BLK1)										
Prepared & Analyzed: 31-Mar-08										
1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/l	1.0						
Acetone	BRL		µg/l	10.0						
Acrylonitrile	BRL		µg/l	0.5						
Benzene	BRL		µg/l	1.0						
Bromobenzene	BRL		µg/l	1.0						
Bromochloromethane	BRL		µg/l	1.0						
Bromodichloromethane	BRL		µg/l	0.5						
Bromoform	BRL		µg/l	1.0						
Bromomethane	BRL		µg/l	2.0						
2-Butanone (MEK)	BRL		µg/l	10.0						
n-Butylbenzene	BRL		µg/l	1.0						
sec-Butylbenzene	BRL		µg/l	1.0						
tert-Butylbenzene	BRL		µg/l	1.0						
Carbon disulfide	BRL		µg/l	5.0						
Carbon tetrachloride	BRL		µg/l	1.0						
Chlorobenzene	BRL		µg/l	1.0						
Chloroethane	BRL		µg/l	2.0						
Chloroform	BRL		µg/l	1.0						
Chloromethane	BRL		µg/l	2.0						
2-Chlorotoluene	BRL		µg/l	1.0						
4-Chlorotoluene	BRL		µg/l	1.0						
1,2-Dibromo-3-chloropropane	BRL		µg/l	2.0						
Dibromochloromethane	BRL		µg/l	0.5						
1,2-Dibromoethane (EDB)	BRL		µg/l	0.5						
Dibromomethane	BRL		µg/l	1.0						
1,2-Dichlorobenzene	BRL		µg/l	1.0						
1,3-Dichlorobenzene	BRL		µg/l	1.0						
1,4-Dichlorobenzene	BRL		µg/l	1.0						
Dichlorodifluoromethane (Freon12)	BRL		µg/l	2.0						
1,1-Dichloroethane	BRL		µg/l	1.0						
1,2-Dichloroethane	BRL		µg/l	1.0						
1,1-Dichloroethene	BRL		µg/l	1.0						
cis-1,2-Dichloroethene	BRL		µg/l	1.0						
trans-1,2-Dichloroethene	BRL		µg/l	1.0						
1,2-Dichloropropane	BRL		µg/l	1.0						
1,3-Dichloropropane	BRL		µg/l	1.0						
2,2-Dichloropropane	BRL		µg/l	1.0						
1,1-Dichloropropene	BRL		µg/l	1.0						
cis-1,3-Dichloropropene	BRL		µg/l	0.5						
trans-1,3-Dichloropropene	BRL		µg/l	0.5						
Ethylbenzene	BRL		µg/l	1.0						
Hexachlorobutadiene	BRL		µg/l	0.5						
2-Hexanone (MBK)	BRL		µg/l	10.0						
Isopropylbenzene	BRL		µg/l	1.0						
4-Isopropyltoluene	BRL		µg/l	1.0						
Methyl tert-butyl ether	BRL		µg/l	1.0						
4-Methyl-2-pentanone (MIBK)	BRL		µg/l	10.0						
Methylene chloride	BRL		µg/l	5.0						
Naphthalene	BRL		µg/l	1.0						

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 8032158 - SW846 5030 Water MS										
Blank (8032158-BLK1)										
Prepared & Analyzed: 31-Mar-08										
n-Propylbenzene	BRL		µg/l	1.0						
Styrene	BRL		µg/l	1.0						
1,1,1,2-Tetrachloroethane	BRL		µg/l	1.0						
1,1,2,2-Tetrachloroethane	BRL		µg/l	0.5						
Tetrachloroethene	BRL		µg/l	1.0						
Toluene	BRL		µg/l	1.0						
1,2,3-Trichlorobenzene	BRL		µg/l	1.0						
1,2,4-Trichlorobenzene	BRL		µg/l	1.0						
1,3,5-Trichlorobenzene	BRL		µg/l	1.0						
1,1,1-Trichloroethane	BRL		µg/l	1.0						
1,1,2-Trichloroethane	BRL		µg/l	1.0						
Trichloroethene	BRL		µg/l	1.0						
Trichlorofluoromethane (Freon 11)	BRL		µg/l	1.0						
1,2,3-Trichloropropane	BRL		µg/l	1.0						
1,2,4-Trimethylbenzene	BRL		µg/l	1.0						
1,3,5-Trimethylbenzene	BRL		µg/l	1.0						
Vinyl chloride	BRL		µg/l	1.0						
m,p-Xylene	BRL		µg/l	2.0						
o-Xylene	BRL		µg/l	1.0						
Tetrahydrofuran	BRL		µg/l	10.0						
Ethyl ether	BRL		µg/l	1.0						
Tert-amyl methyl ether	BRL		µg/l	1.0						
Ethyl tert-butyl ether	BRL		µg/l	1.0						
Di-isopropyl ether	BRL		µg/l	1.0						
Tert-Butanol / butyl alcohol	BRL		µg/l	10.0						
1,4-Dioxane	BRL		µg/l	20.0						
trans-1,4-Dichloro-2-butene	BRL		µg/l	5.0						
Ethanol	BRL		µg/l	500						
Surrogate: 4-Bromofluorobenzene	*47.0*		µg/l		*50.0*		*94*	*70-130*		
Surrogate: Toluene-d8	*50.9*		µg/l		*50.0*		*102*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*55.1*		µg/l		*50.0*		*110*	*70-130*		
Surrogate: Dibromofluoromethane	*53.0*		µg/l		*50.0*		*106*	*70-130*		
LCS (8032158-BS1)										
Prepared & Analyzed: 31-Mar-08										
1,1,2-Trichlorotrifluoroethane (Freon 113)	19.1		µg/l		20.0		96	70-130		
Acetone	13.6		µg/l		20.0		68	33.1-130		
Acrylonitrile	21.7		µg/l		20.0		109	70-130		
Benzene	17.8		µg/l		20.0		89	70-130		
Bromobenzene	16.2		µg/l		20.0		81	70-130		
Bromochloromethane	17.2		µg/l		20.0		86	70-130		
Bromodichloromethane	20.2		µg/l		20.0		101	70-130		
Bromoform	20.6		µg/l		20.0		103	70-130		
Bromomethane	16.6		µg/l		20.0		83	14-172		
2-Butanone (MEK)	14.6		µg/l		20.0		73	28.6-137		
n-Butylbenzene	18.2		µg/l		20.0		91	70-130		
sec-Butylbenzene	18.4		µg/l		20.0		92	70-130		
tert-Butylbenzene	18.2		µg/l		20.0		91	70-130		
Carbon disulfide	17.7		µg/l		20.0		89	70-130		
Carbon tetrachloride	20.0		µg/l		20.0		100	70-130		
Chlorobenzene	16.9		µg/l		20.0		85	70-130		

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 8032158 - SW846 5030 Water MS										
LCS (8032158-BS1)										
Prepared & Analyzed: 31-Mar-08										
Chloroethane	18.5		µg/l		20.0		93	59.9-130		
Chloroform	20.2		µg/l		20.0		101	70-130		
Chloromethane	22.8		µg/l		20.0		114	70-130		
2-Chlorotoluene	17.4		µg/l		20.0		87	70-130		
4-Chlorotoluene	18.1		µg/l		20.0		91	70-130		
1,2-Dibromo-3-chloropropane	22.7		µg/l		20.0		114	70-130		
Dibromochloromethane	21.1		µg/l		20.0		105	70-130		
1,2-Dibromoethane (EDB)	18.6		µg/l		20.0		93	70-130		
Dibromomethane	20.2		µg/l		20.0		101	70-130		
1,2-Dichlorobenzene	17.9		µg/l		20.0		89	70-130		
1,3-Dichlorobenzene	17.3		µg/l		20.0		86	70-130		
1,4-Dichlorobenzene	18.5		µg/l		20.0		93	70-130		
Dichlorodifluoromethane (Freon12)	18.4		µg/l		20.0		92	59.1-169		
1,1-Dichloroethane	17.9		µg/l		20.0		90	70-130		
1,2-Dichloroethane	20.2		µg/l		20.0		101	70-130		
1,1-Dichloroethene	17.8		µg/l		20.0		89	70-130		
cis-1,2-Dichloroethene	17.6		µg/l		20.0		88	70-130		
trans-1,2-Dichloroethene	18.4		µg/l		20.0		92	70-130		
1,2-Dichloropropane	18.1		µg/l		20.0		91	70-130		
1,3-Dichloropropane	17.5		µg/l		20.0		88	70-130		
2,2-Dichloropropane	21.6		µg/l		20.0		108	70-130		
1,1-Dichloropropene	17.7		µg/l		20.0		88	70-130		
cis-1,3-Dichloropropene	19.7		µg/l		20.0		98	70-130		
trans-1,3-Dichloropropene	18.9		µg/l		20.0		94	70-130		
Ethylbenzene	17.7		µg/l		20.0		89	70-130		
Hexachlorobutadiene	21.1		µg/l		20.0		106	58.8-136		
2-Hexanone (MBK)	14.6		µg/l		20.0		73	70-130		
Isopropylbenzene	16.9		µg/l		20.0		84	70-130		
4-Isopropyltoluene	19.5		µg/l		20.0		98	70-130		
Methyl tert-butyl ether	18.6		µg/l		20.0		93	70-130		
4-Methyl-2-pentanone (MIBK)	18.5		µg/l		20.0		92	63.2-130		
Methylene chloride	20.0		µg/l		20.0		100	70-130		
Naphthalene	23.6		µg/l		20.0		118	70-130		
n-Propylbenzene	18.2		µg/l		20.0		91	70-130		
Styrene	18.5		µg/l		20.0		92	70-130		
1,1,1,2-Tetrachloroethane	21.0		µg/l		20.0		105	70-130		
1,1,2,2-Tetrachloroethane	18.4		µg/l		20.0		92	70-130		
Tetrachloroethene	16.7		µg/l		20.0		84	70-130		
Toluene	17.4		µg/l		20.0		87	70-130		
1,2,3-Trichlorobenzene	23.5		µg/l		20.0		118	70-130		
1,2,4-Trichlorobenzene	20.4		µg/l		20.0		102	70-130		
1,3,5-Trichlorobenzene	18.2		µg/l		20.0		91	70-130		
1,1,1-Trichloroethane	19.8		µg/l		20.0		99	70-130		
1,1,2-Trichloroethane	18.0		µg/l		20.0		90	70-130		
Trichloroethene	16.3		µg/l		20.0		82	70-130		
Trichlorofluoromethane (Freon 11)	18.9		µg/l		20.0		94	70-136		
1,2,3-Trichloropropane	21.1		µg/l		20.0		106	70-130		
1,2,4-Trimethylbenzene	18.3		µg/l		20.0		91	70-130		
1,3,5-Trimethylbenzene	18.1		µg/l		20.0		91	70-130		

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 8032158 - SW846 5030 Water MS										
LCS (8032158-BS1)										
Prepared & Analyzed: 31-Mar-08										
Vinyl chloride	25.7		µg/l		20.0		128	70-130		
m,p-Xylene	35.0		µg/l		40.0		88	70-130		
o-Xylene	17.6		µg/l		20.0		88	70-130		
Tetrahydrofuran	21.0		µg/l		20.0		105	70-130		
Ethyl ether	20.6		µg/l		20.0		103	70-133		
Tert-amyl methyl ether	19.4		µg/l		20.0		97	70-130		
Ethyl tert-butyl ether	19.0		µg/l		20.0		95	70-130		
Di-isopropyl ether	18.7		µg/l		20.0		94	70-130		
Tert-Butanol / butyl alcohol	213		µg/l		200		106	70-130		
1,4-Dioxane	172		µg/l		200		86	42.2-144		
trans-1,4-Dichloro-2-butene	15.7		µg/l		20.0		79	70-130		
Ethanol	485		µg/l		400		121	70-130		
Surrogate: 4-Bromofluorobenzene	*50.2*		µg/l		*50.0*		*100*	*70-130*		
Surrogate: Toluene-d8	*50.0*		µg/l		*50.0*		*100*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*54.0*		µg/l		*50.0*		*108*	*70-130*		
Surrogate: Dibromofluoromethane	*50.8*		µg/l		*50.0*		*102*	*70-130*		
LCS Dup (8032158-BSD1)										
Prepared & Analyzed: 31-Mar-08										
1,1,2-Trichlorotrifluoroethane (Freon 113)	17.0		µg/l		20.0		85	70-130	11	25
Acetone	14.0		µg/l		20.0		70	33.1-130	3	50
Acrylonitrile	22.6		µg/l		20.0		113	70-130	4	25
Benzene	16.8		µg/l		20.0		84	70-130	6	25
Bromobenzene	15.9		µg/l		20.0		79	70-130	2	25
Bromochloromethane	17.4		µg/l		20.0		87	70-130	0.8	25
Bromodichloromethane	20.5		µg/l		20.0		102	70-130	1	25
Bromoform	20.6		µg/l		20.0		103	70-130	0.05	25
Bromomethane	15.3		µg/l		20.0		76	14-172	8	50
2-Butanone (MEK)	14.0		µg/l		20.0		70	28.6-137	4	50
n-Butylbenzene	15.8		µg/l		20.0		79	70-130	14	25
sec-Butylbenzene	16.4		µg/l		20.0		82	70-130	11	25
tert-Butylbenzene	16.7		µg/l		20.0		83	70-130	9	25
Carbon disulfide	15.7		µg/l		20.0		78	70-130	12	25
Carbon tetrachloride	18.2		µg/l		20.0		91	70-130	10	25
Chlorobenzene	16.0		µg/l		20.0		80	70-130	6	25
Chloroethane	16.7		µg/l		20.0		84	59.9-130	10	50
Chloroform	19.3		µg/l		20.0		96	70-130	5	25
Chloromethane	21.3		µg/l		20.0		106	70-130	7	25
2-Chlorotoluene	17.2		µg/l		20.0		86	70-130	1	25
4-Chlorotoluene	16.9		µg/l		20.0		84	70-130	7	25
1,2-Dibromo-3-chloropropane	23.0		µg/l		20.0		115	70-130	1	25
Dibromochloromethane	20.5		µg/l		20.0		103	70-130	3	50
1,2-Dibromoethane (EDB)	19.2		µg/l		20.0		96	70-130	3	25
Dibromomethane	20.0		µg/l		20.0		100	70-130	1	25
1,2-Dichlorobenzene	16.9		µg/l		20.0		85	70-130	5	25
1,3-Dichlorobenzene	16.6		µg/l		20.0		83	70-130	4	25
1,4-Dichlorobenzene	16.8		µg/l		20.0		84	70-130	10	25
Dichlorodifluoromethane (Freon12)	17.1		µg/l		20.0		85	59.1-169	8	50
1,1-Dichloroethane	17.4		µg/l		20.0		87	70-130	3	25
1,2-Dichloroethane	20.4		µg/l		20.0		102	70-130	0.7	25
1,1-Dichloroethene	16.0		µg/l		20.0		80	70-130	11	25

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 8032158 - SW846 5030 Water MS										
LCS Dup (8032158-BSD1)										
Prepared & Analyzed: 31-Mar-08										
cis-1,2-Dichloroethene	16.8		µg/l		20.0		84	70-130	5	25
trans-1,2-Dichloroethene	16.9		µg/l		20.0		85	70-130	8	25
1,2-Dichloropropane	17.6		µg/l		20.0		88	70-130	3	25
1,3-Dichloropropane	16.8		µg/l		20.0		84	70-130	4	25
2,2-Dichloropropane	20.3		µg/l		20.0		101	70-130	6	25
1,1-Dichloropropene	15.8		µg/l		20.0		79	70-130	11	25
cis-1,3-Dichloropropene	19.3		µg/l		20.0		97	70-130	2	25
trans-1,3-Dichloropropene	19.1		µg/l		20.0		96	70-130	1	25
Ethylbenzene	16.3		µg/l		20.0		82	70-130	8	25
Hexachlorobutadiene	16.5		µg/l		20.0		83	58.8-136	25	50
2-Hexanone (MBK)	15.4		µg/l		20.0		77	70-130	5	25
Isopropylbenzene	15.4		µg/l		20.0		77	70-130	9	25
4-Isopropyltoluene	16.8		µg/l		20.0		84	70-130	15	25
Methyl tert-butyl ether	18.9		µg/l		20.0		95	70-130	2	25
4-Methyl-2-pentanone (MIBK)	19.7		µg/l		20.0		99	63.2-130	7	50
Methylene chloride	19.5		µg/l		20.0		98	70-130	3	25
Naphthalene	19.3		µg/l		20.0		96	70-130	20	25
n-Propylbenzene	16.0		µg/l		20.0		80	70-130	12	25
Styrene	17.4		µg/l		20.0		87	70-130	6	25
1,1,1,2-Tetrachloroethane	19.6		µg/l		20.0		98	70-130	7	25
1,1,2,2-Tetrachloroethane	18.3		µg/l		20.0		91	70-130	0.9	25
Tetrachloroethene	15.4		µg/l		20.0		77	70-130	8	25
Toluene	16.3		µg/l		20.0		82	70-130	6	25
1,2,3-Trichlorobenzene	19.1		µg/l		20.0		96	70-130	21	25
1,2,4-Trichlorobenzene	16.2		µg/l		20.0		81	70-130	23	25
1,3,5-Trichlorobenzene	15.9		µg/l		20.0		80	70-130	13	25
1,1,1-Trichloroethane	18.1		µg/l		20.0		91	70-130	9	25
1,1,2-Trichloroethane	17.8		µg/l		20.0		89	70-130	1	25
Trichloroethene	15.3		µg/l		20.0		77	70-130	6	25
Trichlorofluoromethane (Freon 11)	17.1		µg/l		20.0		86	70-136	10	50
1,2,3-Trichloropropane	21.2		µg/l		20.0		106	70-130	0.5	25
1,2,4-Trimethylbenzene	17.3		µg/l		20.0		87	70-130	5	25
1,3,5-Trimethylbenzene	16.5		µg/l		20.0		82	70-130	10	25
Vinyl chloride	22.8		µg/l		20.0		114	70-130	12	25
m,p-Xylene	32.6		µg/l		40.0		82	70-130	7	25
o-Xylene	16.2		µg/l		20.0		81	70-130	8	25
Tetrahydrofuran	21.5		µg/l		20.0		107	70-130	2	25
Ethyl ether	20.5		µg/l		20.0		103	70-133	0.3	50
Tert-amyl methyl ether	19.4		µg/l		20.0		97	70-130	0.05	25
Ethyl tert-butyl ether	19.1		µg/l		20.0		95	70-130	0.4	25
Di-isopropyl ether	18.6		µg/l		20.0		93	70-130	0.8	25
Tert-Butanol / butyl alcohol	227		µg/l		200		114	70-130	7	25
1,4-Dioxane	188		µg/l		200		94	42.2-144	9	25
trans-1,4-Dichloro-2-butene	14.5		µg/l		20.0		72	70-130	8	25
Ethanol	461		µg/l		400		115	70-130	5	30
Surrogate: 4-Bromofluorobenzene	*50.4*		µg/l		*50.0*		*101*	*70-130*		
Surrogate: Toluene-d8	*50.9*		µg/l		*50.0*		*102*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*54.3*		µg/l		*50.0*		*109*	*70-130*		
Surrogate: Dibromofluoromethane	*51.9*		µg/l		*50.0*		*104*	*70-130*		

Matrix Spike (8032158-MS1) **Source: SA76317-01** Z-2

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* Reportable Detection Limit BRL = Below Reporting Limit

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 8032158 - SW846 5030 Water MS										
Prepared & Analyzed: 31-Mar-08										
Benzene	16.5		µg/l		20.0	BRL	82	70-130		
Chlorobenzene	15.7		µg/l		20.0	BRL	78	70-130		
1,1-Dichloroethene	16.6		µg/l		20.0	BRL	83	70-130		
Toluene	17.2		µg/l		20.0	BRL	86	70-130		
Trichloroethene	16.3		µg/l		20.0	BRL	82	70-130		
Surrogate: 4-Bromofluorobenzene	*49.6*		µg/l		*50.0*		*99*	*70-130*		
Surrogate: Toluene-d8	*52.2*		µg/l		*50.0*		*104*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*59.1*		µg/l		*50.0*		*118*	*70-130*		
Surrogate: Dibromofluoromethane	*50.0*		µg/l		*50.0*		*100*	*70-130*		
Matrix Spike Dup (8032158-MSD1) **Source: SA76317-01**		Z-2								
Prepared & Analyzed: 31-Mar-08										
Benzene	16.2		µg/l		20.0	BRL	81	70-130	2	30
Chlorobenzene	15.7		µg/l		20.0	BRL	78	70-130	0.1	30
1,1-Dichloroethene	17.0		µg/l		20.0	BRL	85	70-130	2	30
Toluene	16.8		µg/l		20.0	BRL	84	70-130	2	30
Trichloroethene	16.3		µg/l		20.0	BRL	81	70-130	0.1	30
Surrogate: 4-Bromofluorobenzene	*50.3*		µg/l		*50.0*		*101*	*70-130*		
Surrogate: Toluene-d8	*51.9*		µg/l		*50.0*		*104*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*59.2*		µg/l		*50.0*		*118*	*70-130*		
Surrogate: Dibromofluoromethane	*50.6*		µg/l		*50.0*		*101*	*70-130*		
Batch 8040140 - SW846 5030 Water MS										
Blank (8040140-BLK1)										
Prepared & Analyzed: 02-Apr-08										
1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/l	1.0						
Acetone	BRL		µg/l	10.0						
Acrylonitrile	BRL		µg/l	0.5						
Benzene	BRL		µg/l	1.0						
Bromobenzene	BRL		µg/l	1.0						
Bromochloromethane	BRL		µg/l	1.0						
Bromodichloromethane	BRL		µg/l	0.5						
Bromoform	BRL		µg/l	1.0						
Bromomethane	BRL		µg/l	2.0						
2-Butanone (MEK)	BRL		µg/l	10.0						
n-Butylbenzene	BRL		µg/l	1.0						
sec-Butylbenzene	BRL		µg/l	1.0						
tert-Butylbenzene	BRL		µg/l	1.0						
Carbon disulfide	BRL		µg/l	5.0						
Carbon tetrachloride	BRL		µg/l	1.0						
Chlorobenzene	BRL		µg/l	1.0						
Chloroethane	BRL		µg/l	2.0						
Chloroform	BRL		µg/l	1.0						
Chloromethane	BRL		µg/l	2.0						
2-Chlorotoluene	BRL		µg/l	1.0						
4-Chlorotoluene	BRL		µg/l	1.0						
1,2-Dibromo-3-chloropropane	BRL		µg/l	2.0						
Dibromochloromethane	BRL		µg/l	0.5						
1,2-Dibromoethane (EDB)	BRL		µg/l	0.5						
Dibromomethane	BRL		µg/l	1.0						
1,2-Dichlorobenzene	BRL		µg/l	1.0						
1,3-Dichlorobenzene	BRL		µg/l	1.0						
1,4-Dichlorobenzene	BRL		µg/l	1.0						

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 8040140 - SW846 5030 Water MS										
Blank (8040140-BLK1)										
Prepared & Analyzed: 02-Apr-08										
Dichlorodifluoromethane (Freon12)	BRL		µg/l	2.0						
1,1-Dichloroethane	BRL		µg/l	1.0						
1,2-Dichloroethane	BRL		µg/l	1.0						
1,1-Dichloroethene	BRL		µg/l	1.0						
cis-1,2-Dichloroethene	BRL		µg/l	1.0						
trans-1,2-Dichloroethene	BRL		µg/l	1.0						
1,2-Dichloropropane	BRL		µg/l	1.0						
1,3-Dichloropropane	BRL		µg/l	1.0						
2,2-Dichloropropane	BRL		µg/l	1.0						
1,1-Dichloropropene	BRL		µg/l	1.0						
cis-1,3-Dichloropropene	BRL		µg/l	0.5						
trans-1,3-Dichloropropene	BRL		µg/l	0.5						
Ethylbenzene	BRL		µg/l	1.0						
Hexachlorobutadiene	BRL		µg/l	0.5						
2-Hexanone (MBK)	BRL		µg/l	10.0						
Isopropylbenzene	BRL		µg/l	1.0						
4-Isopropyltoluene	BRL		µg/l	1.0						
Methyl tert-butyl ether	BRL		µg/l	1.0						
4-Methyl-2-pentanone (MIBK)	BRL		µg/l	10.0						
Methylene chloride	BRL		µg/l	5.0						
Naphthalene	BRL		µg/l	1.0						
n-Propylbenzene	BRL		µg/l	1.0						
Styrene	BRL		µg/l	1.0						
1,1,1,2-Tetrachloroethane	BRL		µg/l	1.0						
1,1,2,2-Tetrachloroethane	BRL		µg/l	0.5						
Tetrachloroethene	BRL		µg/l	1.0						
Toluene	BRL		µg/l	1.0						
1,2,3-Trichlorobenzene	BRL		µg/l	1.0						
1,2,4-Trichlorobenzene	BRL		µg/l	1.0						
1,3,5-Trichlorobenzene	BRL		µg/l	1.0						
1,1,1-Trichloroethane	BRL		µg/l	1.0						
1,1,2-Trichloroethane	BRL		µg/l	1.0						
Trichloroethene	BRL		µg/l	1.0						
Trichlorofluoromethane (Freon 11)	BRL		µg/l	1.0						
1,2,3-Trichloropropane	BRL		µg/l	1.0						
1,2,4-Trimethylbenzene	BRL		µg/l	1.0						
1,3,5-Trimethylbenzene	BRL		µg/l	1.0						
Vinyl chloride	BRL		µg/l	1.0						
m,p-Xylene	BRL		µg/l	2.0						
o-Xylene	BRL		µg/l	1.0						
Tetrahydrofuran	BRL		µg/l	10.0						
Ethyl ether	BRL		µg/l	1.0						
Tert-amyl methyl ether	BRL		µg/l	1.0						
Ethyl tert-butyl ether	BRL		µg/l	1.0						
Di-isopropyl ether	BRL		µg/l	1.0						
Tert-Butanol / butyl alcohol	BRL		µg/l	10.0						
1,4-Dioxane	BRL		µg/l	20.0						
trans-1,4-Dichloro-2-butene	BRL		µg/l	5.0						
Ethanol	BRL		µg/l	500						

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 8040140 - SW846 5030 Water MS										
Blank (8040140-BLK1)										
Prepared & Analyzed: 02-Apr-08										
Surrogate: 4-Bromofluorobenzene	*29.9*		µg/l		*30.0*		*100*	*70-130*		
Surrogate: Toluene-d8	*27.6*		µg/l		*30.0*		*92*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*28.7*		µg/l		*30.0*		*96*	*70-130*		
Surrogate: Dibromofluoromethane	*28.7*		µg/l		*30.0*		*96*	*70-130*		
LCS (8040140-BS1)										
Prepared & Analyzed: 02-Apr-08										
1,1,2-Trichlorotrifluoroethane (Freon 113)	24.3		µg/l		20.0		121	70-130		
Acetone	13.7		µg/l		20.0		68	33.1-130		
Acrylonitrile	18.8		µg/l		20.0		94	70-130		
Benzene	21.5		µg/l		20.0		108	70-130		
Bromobenzene	21.6		µg/l		20.0		108	70-130		
Bromochloromethane	22.6		µg/l		20.0		113	70-130		
Bromodichloromethane	23.2		µg/l		20.0		116	70-130		
Bromoform	19.3		µg/l		20.0		96	70-130		
Bromomethane	19.6		µg/l		20.0		98	14-172		
2-Butanone (MEK)	14.1		µg/l		20.0		70	28.6-137		
n-Butylbenzene	22.5		µg/l		20.0		112	70-130		
sec-Butylbenzene	23.8		µg/l		20.0		119	70-130		
tert-Butylbenzene	23.5		µg/l		20.0		117	70-130		
Carbon disulfide	24.9		µg/l		20.0		125	70-130		
Carbon tetrachloride	23.9		µg/l		20.0		119	70-130		
Chlorobenzene	22.0		µg/l		20.0		110	70-130		
Chloroethane	19.3		µg/l		20.0		96	59.9-130		
Chloroform	22.1		µg/l		20.0		110	70-130		
Chloromethane	21.6		µg/l		20.0		108	70-130		
2-Chlorotoluene	24.7		µg/l		20.0		123	70-130		
4-Chlorotoluene	22.5		µg/l		20.0		112	70-130		
1,2-Dibromo-3-chloropropane	18.4		µg/l		20.0		92	70-130		
Dibromochloromethane	21.6		µg/l		20.0		108	70-130		
1,2-Dibromoethane (EDB)	19.6		µg/l		20.0		98	70-130		
Dibromomethane	20.8		µg/l		20.0		104	70-130		
1,2-Dichlorobenzene	21.0		µg/l		20.0		105	70-130		
1,3-Dichlorobenzene	23.4		µg/l		20.0		117	70-130		
1,4-Dichlorobenzene	21.7		µg/l		20.0		109	70-130		
Dichlorodifluoromethane (Freon12)	20.2		µg/l		20.0		101	59.1-169		
1,1-Dichloroethane	21.8		µg/l		20.0		109	70-130		
1,2-Dichloroethane	21.4		µg/l		20.0		107	70-130		
1,1-Dichloroethene	21.8		µg/l		20.0		109	70-130		
cis-1,2-Dichloroethene	22.6		µg/l		20.0		113	70-130		
trans-1,2-Dichloroethene	22.5		µg/l		20.0		113	70-130		
1,2-Dichloropropane	19.7		µg/l		20.0		98	70-130		
1,3-Dichloropropane	18.8		µg/l		20.0		94	70-130		
2,2-Dichloropropane	25.7		µg/l		20.0		128	70-130		
1,1-Dichloropropene	20.9		µg/l		20.0		104	70-130		
cis-1,3-Dichloropropene	21.0		µg/l		20.0		105	70-130		
trans-1,3-Dichloropropene	20.6		µg/l		20.0		103	70-130		
Ethylbenzene	22.4		µg/l		20.0		112	70-130		
Hexachlorobutadiene	22.6		µg/l		20.0		113	58.8-136		
2-Hexanone (MBK)	14.4		µg/l		20.0		72	70-130		
Isopropylbenzene	21.7		µg/l		20.0		109	70-130		

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 8040140 - SW846 5030 Water MS										
LCS (8040140-BS1)										
Prepared & Analyzed: 02-Apr-08										
4-Isopropyltoluene	23.2		µg/l		20.0		116	70-130		
Methyl tert-butyl ether	19.0		µg/l		20.0		95	70-130		
4-Methyl-2-pentanone (MIBK)	16.5		µg/l		20.0		83	63.2-130		
Methylene chloride	22.0		µg/l		20.0		110	70-130		
Naphthalene	20.4		µg/l		20.0		102	70-130		
n-Propylbenzene	23.4		µg/l		20.0		117	70-130		
Styrene	23.5		µg/l		20.0		117	70-130		
1,1,1,2-Tetrachloroethane	22.1		µg/l		20.0		111	70-130		
1,1,2,2-Tetrachloroethane	18.0		µg/l		20.0		90	70-130		
Tetrachloroethene	22.8		µg/l		20.0		114	70-130		
Toluene	21.8		µg/l		20.0		109	70-130		
1,2,3-Trichlorobenzene	21.6		µg/l		20.0		108	70-130		
1,2,4-Trichlorobenzene	21.6		µg/l		20.0		108	70-130		
1,3,5-Trichlorobenzene	20.3		µg/l		20.0		101	70-130		
1,1,1-Trichloroethane	23.8		µg/l		20.0		119	70-130		
1,1,2-Trichloroethane	19.9		µg/l		20.0		99	70-130		
Trichloroethene	23.5		µg/l		20.0		117	70-130		
Trichlorofluoromethane (Freon 11)	23.5		µg/l		20.0		118	70-136		
1,2,3-Trichloropropane	19.0		µg/l		20.0		95	70-130		
1,2,4-Trimethylbenzene	22.2		µg/l		20.0		111	70-130		
1,3,5-Trimethylbenzene	22.7		µg/l		20.0		114	70-130		
Vinyl chloride	26.9	QC1	µg/l		20.0		135	70-130		
m,p-Xylene	45.4		µg/l		40.0		114	70-130		
o-Xylene	21.7		µg/l		20.0		108	70-130		
Tetrahydrofuran	16.2		µg/l		20.0		81	70-130		
Ethyl ether	18.1		µg/l		20.0		90	70-133		
Tert-amyl methyl ether	18.9		µg/l		20.0		94	70-130		
Ethyl tert-butyl ether	20.2		µg/l		20.0		101	70-130		
Di-isopropyl ether	19.5		µg/l		20.0		97	70-130		
Tert-Butanol / butyl alcohol	163		µg/l		200		81	70-130		
1,4-Dioxane	199		µg/l		200		100	42.2-144		
trans-1,4-Dichloro-2-butene	17.8		µg/l		20.0		89	70-130		
Ethanol	290		µg/l		400		72	70-130		
Surrogate: 4-Bromofluorobenzene	*30.4*		µg/l		*30.0*		*101*	*70-130*		
Surrogate: Toluene-d8	*30.0*		µg/l		*30.0*		*100*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*30.3*		µg/l		*30.0*		*101*	*70-130*		
Surrogate: Dibromofluoromethane	*31.5*		µg/l		*30.0*		*105*	*70-130*		
LCS Dup (8040140-BSD1)										
Prepared & Analyzed: 02-Apr-08										
1,1,2-Trichlorotrifluoroethane (Freon 113)	22.6		µg/l		20.0		113	70-130	7	25
Acetone	11.4		µg/l		20.0		57	33.1-130	19	50
Acrylonitrile	18.3		µg/l		20.0		91	70-130	3	25
Benzene	19.8		µg/l		20.0		99	70-130	9	25
Bromobenzene	19.5		µg/l		20.0		98	70-130	10	25
Bromochloromethane	21.3		µg/l		20.0		106	70-130	6	25
Bromodichloromethane	21.9		µg/l		20.0		109	70-130	6	25
Bromoform	18.4		µg/l		20.0		92	70-130	5	25
Bromomethane	18.7		µg/l		20.0		94	14-172	4	50
2-Butanone (MEK)	14.8		µg/l		20.0		74	28.6-137	5	50
n-Butylbenzene	20.0		µg/l		20.0		100	70-130	12	25

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 8040140 - SW846 5030 Water MS										
LCS Dup (8040140-BSD1)										
Prepared & Analyzed: 02-Apr-08										
sec-Butylbenzene	21.4		µg/l		20.0		107	70-130	11	25
tert-Butylbenzene	21.0		µg/l		20.0		105	70-130	11	25
Carbon disulfide	22.5		µg/l		20.0		112	70-130	10	25
Carbon tetrachloride	22.8		µg/l		20.0		114	70-130	5	25
Chlorobenzene	20.0		µg/l		20.0		100	70-130	9	25
Chloroethane	16.4		µg/l		20.0		82	59.9-130	16	50
Chloroform	21.2		µg/l		20.0		106	70-130	4	25
Chloromethane	17.8		µg/l		20.0		89	70-130	19	25
2-Chlorotoluene	17.6	QR2	µg/l		20.0		88	70-130	34	25
4-Chlorotoluene	19.4		µg/l		20.0		97	70-130	15	25
1,2-Dibromo-3-chloropropane	17.8		µg/l		20.0		89	70-130	3	25
Dibromochloromethane	21.0		µg/l		20.0		105	70-130	2	50
1,2-Dibromoethane (EDB)	19.1		µg/l		20.0		95	70-130	3	25
Dibromomethane	19.8		µg/l		20.0		99	70-130	5	25
1,2-Dichlorobenzene	19.6		µg/l		20.0		98	70-130	7	25
1,3-Dichlorobenzene	21.5		µg/l		20.0		107	70-130	9	25
1,4-Dichlorobenzene	20.1		µg/l		20.0		101	70-130	8	25
Dichlorodifluoromethane (Freon12)	20.0		µg/l		20.0		100	59.1-169	1	50
1,1-Dichloroethane	20.8		µg/l		20.0		104	70-130	5	25
1,2-Dichloroethane	20.1		µg/l		20.0		101	70-130	6	25
1,1-Dichloroethene	21.0		µg/l		20.0		105	70-130	4	25
cis-1,2-Dichloroethene	20.9		µg/l		20.0		105	70-130	7	25
trans-1,2-Dichloroethene	21.5		µg/l		20.0		108	70-130	5	25
1,2-Dichloropropane	19.2		µg/l		20.0		96	70-130	3	25
1,3-Dichloropropane	17.6		µg/l		20.0		88	70-130	6	25
2,2-Dichloropropane	23.8		µg/l		20.0		119	70-130	8	25
1,1-Dichloropropene	19.6		µg/l		20.0		98	70-130	6	25
cis-1,3-Dichloropropene	19.7		µg/l		20.0		98	70-130	6	25
trans-1,3-Dichloropropene	19.8		µg/l		20.0		99	70-130	4	25
Ethylbenzene	19.6		µg/l		20.0		98	70-130	13	25
Hexachlorobutadiene	22.6		µg/l		20.0		113	58.8-136	0.2	50
2-Hexanone (MBK)	13.8	QC1	µg/l		20.0		69	70-130	4	25
Isopropylbenzene	19.0		µg/l		20.0		95	70-130	13	25
4-Isopropyltoluene	22.4		µg/l		20.0		112	70-130	4	25
Methyl tert-butyl ether	17.9		µg/l		20.0		90	70-130	5	25
4-Methyl-2-pentanone (MIBK)	16.7		µg/l		20.0		84	63.2-130	1	50
Methylene chloride	19.5		µg/l		20.0		98	70-130	12	25
Naphthalene	19.7		µg/l		20.0		99	70-130	3	25
n-Propylbenzene	22.6		µg/l		20.0		113	70-130	4	25
Styrene	20.1		µg/l		20.0		101	70-130	15	25
1,1,1,2-Tetrachloroethane	20.4		µg/l		20.0		102	70-130	8	25
1,1,2,2-Tetrachloroethane	16.9		µg/l		20.0		85	70-130	6	25
Tetrachloroethene	22.4		µg/l		20.0		112	70-130	2	25
Toluene	19.6		µg/l		20.0		98	70-130	11	25
1,2,3-Trichlorobenzene	21.4		µg/l		20.0		107	70-130	0.8	25
1,2,4-Trichlorobenzene	21.3		µg/l		20.0		107	70-130	1	25
1,3,5-Trichlorobenzene	19.8		µg/l		20.0		99	70-130	2	25
1,1,1-Trichloroethane	22.9		µg/l		20.0		115	70-130	4	25
1,1,2-Trichloroethane	19.6		µg/l		20.0		98	70-130	1	25

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 8040140 - SW846 5030 Water MS										
LCS Dup (8040140-BSD1)										
Prepared & Analyzed: 02-Apr-08										
Trichloroethene	20.9		µg/l		20.0		105	70-130	11	25
Trichlorofluoromethane (Freon 11)	21.6		µg/l		20.0		108	70-136	8	50
1,2,3-Trichloropropane	17.4		µg/l		20.0		87	70-130	9	25
1,2,4-Trimethylbenzene	19.3		µg/l		20.0		97	70-130	14	25
1,3,5-Trimethylbenzene	20.5		µg/l		20.0		103	70-130	10	25
Vinyl chloride	22.3		µg/l		20.0		112	70-130	19	25
m,p-Xylene	39.9		µg/l		40.0		100	70-130	13	25
o-Xylene	20.0		µg/l		20.0		100	70-130	8	25
Tetrahydrofuran	16.2		µg/l		20.0		81	70-130	0.4	25
Ethyl ether	17.6		µg/l		20.0		88	70-133	3	50
Tert-amyl methyl ether	19.0		µg/l		20.0		95	70-130	0.5	25
Ethyl tert-butyl ether	19.4		µg/l		20.0		97	70-130	4	25
Di-isopropyl ether	18.5		µg/l		20.0		92	70-130	5	25
Tert-Butanol / butyl alcohol	172		µg/l		200		86	70-130	5	25
1,4-Dioxane	199		µg/l		200		99	42.2-144	0.3	25
trans-1,4-Dichloro-2-butene	16.0		µg/l		20.0		80	70-130	11	25
Ethanol	287		µg/l		400		72	70-130	0.9	30
Surrogate: 4-Bromofluorobenzene	*28.0*		µg/l		*30.0*		*93*	*70-130*		
Surrogate: Toluene-d8	*29.6*		µg/l		*30.0*		*99*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*30.3*		µg/l		*30.0*		*101*	*70-130*		
Surrogate: Dibromofluoromethane	*31.6*		µg/l		*30.0*		*105*	*70-130*		

Semivolatile Organic Compounds by GCMS - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 8032125 - SW846 3510C										
Blank (8032125-BLK1)										
Prepared & Analyzed: 31-Mar-08										
Acenaphthene	BRL		µg/l	5.00						
Acenaphthylene	BRL		µg/l	5.00						
Aniline	BRL		µg/l	5.00						
Anthracene	BRL		µg/l	5.00						
Atrazine	BRL		µg/l	5.00						
Azobenzene/Diphenyldiazine	BRL		µg/l	5.00						
Benzidine	BRL		µg/l	5.00						
Benzo (a) anthracene	BRL		µg/l	5.00						
Benzo (a) pyrene	BRL		µg/l	5.00						
Benzo (b) fluoranthene	BRL		µg/l	5.00						
Benzo (g,h,i) perylene	BRL		µg/l	5.00						
Benzo (k) fluoranthene	BRL		µg/l	5.00						
Benzoic acid	BRL		µg/l	5.00						
Benzyl alcohol	BRL		µg/l	5.00						
Bis(2-chloroethoxy)methane	BRL		µg/l	5.00						
Bis(2-chloroethyl)ether	BRL		µg/l	5.00						
Bis(2-chloroisopropyl)ether	BRL		µg/l	5.00						
Bis(2-ethylhexyl)phthalate	BRL		µg/l	5.00						
4-Bromophenyl phenyl ether	BRL		µg/l	5.00						
Butyl benzyl phthalate	BRL		µg/l	5.00						
Carbazole	BRL		µg/l	5.00						
4-Chloro-3-methylphenol	BRL		µg/l	5.00						
4-Chloroaniline	BRL		µg/l	5.00						
2-Chloronaphthalene	BRL		µg/l	5.00						
2-Chlorophenol	BRL		µg/l	5.00						
4-Chlorophenyl phenyl ether	BRL		µg/l	5.00						
Chrysene	BRL		µg/l	5.00						
Dibenzo (a,h) anthracene	BRL		µg/l	5.00						
Dibenzofuran	BRL		µg/l	5.00						
1,2-Dichlorobenzene	BRL		µg/l	5.00						
1,3-Dichlorobenzene	BRL		µg/l	5.00						
1,4-Dichlorobenzene	BRL		µg/l	5.00						
3,3´-Dichlorobenzidine	BRL		µg/l	5.00						
2,4-Dichlorophenol	BRL		µg/l	5.00						
Diethyl phthalate	BRL		µg/l	5.00						
Dimethyl phthalate	BRL		µg/l	5.00						
2,4-Dimethylphenol	BRL		µg/l	5.00						
Di-n-butyl phthalate	BRL		µg/l	5.00						
4,6-Dinitro-2-methylphenol	BRL		µg/l	5.00						
2,4-Dinitrophenol	BRL		µg/l	5.00						
2,4-Dinitrotoluene	BRL		µg/l	5.00						
2,6-Dinitrotoluene	BRL		µg/l	5.00						
Di-n-octyl phthalate	BRL		µg/l	5.00						
Fluoranthene	BRL		µg/l	5.00						
Fluorene	BRL		µg/l	5.00						
Hexachlorobenzene	BRL		µg/l	5.00						
Hexachlorobutadiene	BRL		µg/l	5.00						
Hexachlorocyclopentadiene	BRL		µg/l	5.00						
Hexachloroethane	BRL		µg/l	5.00						

Semivolatile Organic Compounds by GCMS - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 8032125 - SW846 3510C										
Blank (8032125-BLK1)										
Prepared & Analyzed: 31-Mar-08										
Indeno (1,2,3-cd) pyrene	BRL		µg/l	5.00						
Isophorone	BRL		µg/l	5.00						
2-Methylnaphthalene	BRL		µg/l	5.00						
2-Methylphenol	BRL		µg/l	5.00						
3,4-Methylphenol	BRL		µg/l	10.0						
Naphthalene	BRL		µg/l	5.00						
2-Nitroaniline	BRL		µg/l	5.00						
3-Nitroaniline	BRL		µg/l	5.00						
4-Nitroaniline	BRL		µg/l	20.0						
Nitrobenzene	BRL		µg/l	5.00						
2-Nitrophenol	BRL		µg/l	5.00						
4-Nitrophenol	BRL		µg/l	20.0						
N-Nitrosodimethylamine	BRL		µg/l	5.00						
N-Nitrosodi-n-propylamine	BRL		µg/l	5.00						
N-Nitrosodiphenylamine	BRL		µg/l	5.00						
Pentachlorophenol	BRL		µg/l	20.0						
Phenanthrene	BRL		µg/l	5.00						
Phenol	BRL		µg/l	5.00						
Pyrene	BRL		µg/l	5.00						
Pyridine	BRL		µg/l	5.00						
1-Methylnaphthalene	BRL		µg/l	5.00						
1,2,4-Trichlorobenzene	BRL		µg/l	5.00						
2,4,5-Trichlorophenol	BRL		µg/l	5.00						
2,4,6-Trichlorophenol	BRL		µg/l	5.00						
Pentachloronitrobenzene	BRL		µg/l	5.00						
1,2,4,5-Tetrachlorobenzene	BRL		µg/l	5.00						
Surrogate: 2-Fluorobiphenyl	*42.1*		µg/l		*50.0*		*84*	*30-130*		
Surrogate: 2-Fluorophenol	*48.8*		µg/l		*50.0*		*98*	*15-110*		
Surrogate: Nitrobenzene-d5	*41.8*		µg/l		*50.0*		*84*	*30-130*		
Surrogate: Phenol-d5	*38.6*		µg/l		*50.0*		*77*	*15-110*		
Surrogate: Terphenyl-dl4	*41.8*		µg/l		*50.0*		*84*	*30-130*		
Surrogate: 2,4,6-Tribromophenol	*47.8*		µg/l		*50.0*		*96*	*15-110*		
LCS (8032125-BS1)										
Prepared & Analyzed: 31-Mar-08										
Acenaphthene	42.7		µg/l	5.00	50.0		85	40-130		
Acenaphthylene	43.2		µg/l	5.00	50.0		86	40-130		
Aniline	43.3		µg/l	5.00	50.0		87	40-130		
Anthracene	42.5		µg/l	5.00	50.0		85	40-130		
Atrazine	38.7		µg/l	5.00	50.0		77	40-130		
Azobenzene/Diphenyldiazine	44.9		µg/l	5.00	50.0		90	40-130		
Benzidine	13.5		µg/l	5.00	50.0		27	0-130		
Benzo (a) anthracene	44.7		µg/l	5.00	50.0		89	40-130		
Benzo (a) pyrene	43.7		µg/l	5.00	50.0		87	40-130		
Benzo (b) fluoranthene	50.8		µg/l	5.00	50.0		102	40-130		
Benzo (g,h,i) perylene	45.0		µg/l	5.00	50.0		90	40-130		
Benzo (k) fluoranthene	33.8		µg/l	5.00	50.0		68	40-130		
Benzoic acid	47.3		µg/l	5.00	50.0		95	0-160		
Benzyl alcohol	47.2		µg/l	5.00	50.0		94	40-130		
Bis(2-chloroethoxy)methane	43.0		µg/l	5.00	50.0		86	40-130		
Bis(2-chloroethyl)ether	38.4		µg/l	5.00	50.0		77	40-130		

Semivolatile Organic Compounds by GCMS - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 8032125 - SW846 3510C										
LCS (8032125-BS1)										
Prepared & Analyzed: 31-Mar-08										
Bis(2-chloroisopropyl)ether	40.7		µg/l	5.00	50.0		81	40-130		
Bis(2-ethylhexyl)phthalate	48.3		µg/l	5.00	50.0		97	40-130		
4-Bromophenyl phenyl ether	44.3		µg/l	5.00	50.0		89	40-130		
Butyl benzyl phthalate	46.2		µg/l	5.00	50.0		92	40-130		
Carbazole	67.4	QC1	µg/l	5.00	50.0		135	40-130		
4-Chloro-3-methylphenol	43.8		µg/l	5.00	50.0		88	40-130		
4-Chloroaniline	41.8		µg/l	5.00	50.0		84	40-130		
2-Chloronaphthalene	40.1		µg/l	5.00	50.0		80	40-130		
2-Chlorophenol	42.2		µg/l	5.00	50.0		84	40-130		
4-Chlorophenyl phenyl ether	42.9		µg/l	5.00	50.0		86	40-130		
Chrysene	44.0		µg/l	5.00	50.0		88	40-130		
Dibenzo (a,h) anthracene	45.6		µg/l	5.00	50.0		91	40-130		
Dibenzofuran	41.2		µg/l	5.00	50.0		82	40-130		
1,2-Dichlorobenzene	39.8		µg/l	5.00	50.0		80	40-130		
1,3-Dichlorobenzene	38.9		µg/l	5.00	50.0		78	40-130		
1,4-Dichlorobenzene	40.0		µg/l	5.00	50.0		80	40-130		
3,3'-Dichlorobenzidine	51.7		µg/l	5.00	50.0		103	40-130		
2,4-Dichlorophenol	42.4		µg/l	5.00	50.0		85	40-130		
Diethyl phthalate	45.6		µg/l	5.00	50.0		91	40-130		
Dimethyl phthalate	45.0		µg/l	5.00	50.0		90	40-130		
2,4-Dimethylphenol	43.2		µg/l	5.00	50.0		86	40-130		
Di-n-butyl phthalate	45.4		µg/l	5.00	50.0		91	40-130		
4,6-Dinitro-2-methylphenol	45.9		µg/l	5.00	50.0		92	40-130		
2,4-Dinitrophenol	48.5		µg/l	5.00	50.0		97	40-130		
2,4-Dinitrotoluene	46.6		µg/l	5.00	50.0		93	40-130		
2,6-Dinitrotoluene	45.5		µg/l	5.00	50.0		91	40-130		
Di-n-octyl phthalate	46.8		µg/l	5.00	50.0		94	40-130		
Fluoranthene	44.2		µg/l	5.00	50.0		88	40-130		
Fluorene	42.6		µg/l	5.00	50.0		85	40-130		
Hexachlorobenzene	41.1		µg/l	5.00	50.0		82	40-130		
Hexachlorobutadiene	39.2		µg/l	5.00	50.0		78	40-130		
Hexachlorocyclopentadiene	42.6		µg/l	5.00	50.0		85	40-130		
Hexachloroethane	40.0		µg/l	5.00	50.0		80	40-130		
Indeno (1,2,3-cd) pyrene	50.6		µg/l	5.00	50.0		101	40-130		
Isophorone	40.5		µg/l	5.00	50.0		81	40-130		
2-Methylnaphthalene	40.5		µg/l	5.00	50.0		81	40-130		
2-Methylphenol	44.2		µg/l	5.00	50.0		88	40-130		
3,4-Methylphenol	49.1		µg/l	10.0	50.0		98	40-130		
Naphthalene	40.4		µg/l	5.00	50.0		81	40-130		
2-Nitroaniline	44.3		µg/l	5.00	50.0		89	40-130		
3-Nitroaniline	44.9		µg/l	5.00	50.0		90	40-130		
4-Nitroaniline	54.6		µg/l	20.0	50.0		109	40-130		
Nitrobenzene	39.5		µg/l	5.00	50.0		79	40-130		
2-Nitrophenol	41.5		µg/l	5.00	50.0		83	40-130		
4-Nitrophenol	42.6		µg/l	20.0	50.0		85	40-130		
N-Nitrosodimethylamine	69.8	QC2	µg/l	5.00	50.0		140	40-130		
N-Nitrosodi-n-propylamine	46.1		µg/l	5.00	50.0		92	40-130		
N-Nitrosodiphenylamine	47.5		µg/l	5.00	50.0		95	40-130		
Pentachlorophenol	56.9		µg/l	20.0	50.0		114	40-130		

Semivolatile Organic Compounds by GCMS - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 8032125 - SW846 3510C										
LCS (8032125-BS1)										
Prepared & Analyzed: 31-Mar-08										
Phenanthrene	42.8		µg/l	5.00	50.0		86	40-130		
Phenol	41.8		µg/l	5.00	50.0		84	40-130		
Pyrene	41.9		µg/l	5.00	50.0		84	40-130		
Pyridine	58.5		µg/l	5.00	50.0		117	0-152		
1-Methylnaphthalene	43.0		µg/l	5.00	50.0		86	40-140		
1,2,4-Trichlorobenzene	39.0		µg/l	5.00	50.0		78	40-130		
2,4,5-Trichlorophenol	44.2		µg/l	5.00	50.0		88	40-130		
2,4,6-Trichlorophenol	42.9		µg/l	5.00	50.0		86	40-130		
Pentachloronitrobenzene	48.4		µg/l	5.00	50.0		97	40-140		
1,2,4,5-Tetrachlorobenzene	37.1		µg/l	5.00	50.0		74	40-140		
Surrogate: 2-Fluorobiphenyl	*38.8*		µg/l		*50.0*		*78*	*30-130*		
Surrogate: 2-Fluorophenol	*39.8*		µg/l		*50.0*		*80*	*15-110*		
Surrogate: Nitrobenzene-d5	*37.4*		µg/l		*50.0*		*75*	*30-130*		
Surrogate: Phenol-d5	*32.0*		µg/l		*50.0*		*64*	*15-110*		
Surrogate: Terphenyl-dl4	*39.5*		µg/l		*50.0*		*79*	*30-130*		
Surrogate: 2,4,6-Tribromophenol	*45.9*		µg/l		*50.0*		*92*	*15-110*		

Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 8032140 - SW846 3510C										
Blank (8032140-BLK1)										
Prepared: 31-Mar-08 Analyzed: 01-Apr-08										
PCB 1016	BRL		µg/l	0.200						
PCB 1221	BRL		µg/l	0.200						
PCB 1232	BRL		µg/l	0.200						
PCB 1242	BRL		µg/l	0.200						
PCB 1248	BRL		µg/l	0.200						
PCB 1254	BRL		µg/l	0.200						
PCB 1260	BRL		µg/l	0.200						
PCB 1262	BRL		µg/l	0.200						
PCB 1268	BRL		µg/l	0.200						
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*BRL*		µg/l		*0.200*		*62*	*30-150*		
Surrogate: Decachlorobiphenyl(Sr)	*BRL*		µg/l		*0.200*		*63*	*30-150*		
LCS (8032140-BS1)										
Prepared: 31-Mar-08 Analyzed: 01-Apr-08										
PCB 1016	2.25		µg/l	0.200	2.50		90	40-140		
PCB 1260	2.12		µg/l	0.200	2.50		85	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*0.140*		µg/l		*0.200*		*70*	*30-150*		
Surrogate: Decachlorobiphenyl(Sr)	*0.152*		µg/l		*0.200*		*76*	*30-150*		
LCS Dup (8032140-BSD1)										
Prepared: 31-Mar-08 Analyzed: 01-Apr-08										
PCB 1016	2.11		µg/l	0.200	2.50		85	40-140	6	20
PCB 1260	2.08		µg/l	0.200	2.50		83	40-140	2	20
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*0.135*		µg/l		*0.200*		*68*	*30-150*		
Surrogate: Decachlorobiphenyl(Sr)	*0.152*		µg/l		*0.200*		*76*	*30-150*		

Total Metals by EPA 6000/7000 Series Methods - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 8032142 - SW846 3005A										
Blank (8032142-BLK1)										
Prepared: 31-Mar-08 Analyzed: 01-Apr-08										
Selenium	BRL		mg/l	0.0150						
Lead	BRL		mg/l	0.0075						
Arsenic	BRL		mg/l	0.0040						
Silver	BRL		mg/l	0.0050						
Barium	BRL		mg/l	0.0050						
Chromium	BRL		mg/l	0.0050						
Cadmium	BRL		mg/l	0.0025						
LCS (8032142-BS1)										
Prepared: 31-Mar-08 Analyzed: 01-Apr-08										
Lead	1.28		mg/l	0.0075	1.25		103	85-115		
Selenium	1.40		mg/l	0.0150	1.25		112	85-115		
Cadmium	1.29		mg/l	0.0025	1.25		104	85-115		
Chromium	1.31		mg/l	0.0050	1.25		105	85-115		
Silver	1.27		mg/l	0.0050	1.25		101	85-115		
Barium	1.30		mg/l	0.0050	1.25		104	85-115		
Arsenic	1.32		mg/l	0.0040	1.25		105	85-115		
LCS Dup (8032142-BSD1)										
Prepared: 31-Mar-08 Analyzed: 01-Apr-08										
Selenium	1.46	QC1	mg/l	0.0150	1.25		117	85-115	4	20
Lead	1.35		mg/l	0.0075	1.25		108	85-115	5	20
Cadmium	1.36		mg/l	0.0025	1.25		109	85-115	5	20
Chromium	1.38		mg/l	0.0050	1.25		110	85-115	5	20
Arsenic	1.39		mg/l	0.0040	1.25		111	85-115	5	20
Barium	1.41		mg/l	0.0050	1.25		112	85-115	8	20
Silver	1.34		mg/l	0.0050	1.25		107	85-115	6	20
Duplicate (8032142-DUP1) Source: SA76383-02										
Prepared: 31-Mar-08 Analyzed: 01-Apr-08										
Lead	0.0114		mg/l	0.0075		0.0113			1	20
Selenium	0.0501		mg/l	0.0150		BRL				20
Chromium	0.0264		mg/l	0.0050		0.0264			0	20
Cadmium	BRL		mg/l	0.0025		0.0006				20
Barium	0.240		mg/l	0.0050		0.238			0.7	20
Arsenic	0.0036	J,QR8	mg/l	0.0040		0.0082			78	20
Silver	BRL		mg/l	0.0050		BRL				20
Matrix Spike (8032142-MS1) Source: SA76383-01										
Prepared: 31-Mar-08 Analyzed: 01-Apr-08										
Lead	1.27		mg/l	0.0075	1.25	BRL	102	75-125		
Selenium	1.45		mg/l	0.0150	1.25	BRL	116	75-125		
Chromium	1.27		mg/l	0.0050	1.25	BRL	102	75-125		
Arsenic	1.34		mg/l	0.0040	1.25	BRL	107	75-125		
Silver	1.26		mg/l	0.0050	1.25	BRL	101	75-125		
Cadmium	1.28		mg/l	0.0025	1.25	BRL	102	75-125		
Barium	1.37		mg/l	0.0050	1.25	0.0390	107	75-125		
Matrix Spike Dup (8032142-MSD1) Source: SA76383-01										
Prepared: 31-Mar-08 Analyzed: 01-Apr-08										
Lead	1.17		mg/l	0.0075	1.25	BRL	94	75-125	8	20
Selenium	1.57	QM7	mg/l	0.0150	1.25	BRL	126	75-125	8	20

Total Metals by EPA 6000/7000 Series Methods - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 8032142 - SW846 3005A										
Matrix Spike Dup (8032142-MSD1) Source: SA76383-01										
Prepared: 31-Mar-08 Analyzed: 01-Apr-08										
Chromium	1.26		mg/l	0.0050	1.25	BRL	101	75-125	0.8	20
Cadmium	1.25		mg/l	0.0025	1.25	BRL	100	75-125	2	20
Arsenic	1.32		mg/l	0.0040	1.25	BRL	106	75-125	1	20
Silver	1.23		mg/l	0.0050	1.25	BRL	98	75-125	3	20
Barium	0.304	QM7	mg/l	0.0050	1.25	0.0390	21	75-125	127	20
Post Spike (8032142-PS1) Source: SA76383-01										
Prepared: 31-Mar-08 Analyzed: 01-Apr-08										
Lead	1.12		mg/l	0.0075	1.25	BRL	90	80-120		
Silver	1.25		mg/l	0.0050	1.25	BRL	100	80-120		
Chromium	1.27		mg/l	0.0050	1.25	BRL	102	80-120		
Cadmium	1.28		mg/l	0.0025	1.25	BRL	102	80-120		
Arsenic	1.35		mg/l	0.0040	1.25	BRL	108	80-120		

Total Metals by EPA 200 Series Methods - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 8032144 - EPA200/SW7000 Series										
Blank (8032144-BLK1)										
Prepared: 31-Mar-08 Analyzed: 01-Apr-08										
Mercury	BRL		mg/l	0.00020						
LCS (8032144-BS1)										
Prepared: 31-Mar-08 Analyzed: 01-Apr-08										
Mercury	0.00443		mg/l	0.00020	0.00500		89	85-115		
Duplicate (8032144-DUP1) Source: SA76383-01										
Prepared: 31-Mar-08 Analyzed: 01-Apr-08										
Mercury	BRL		mg/l	0.00020		BRL				20
Matrix Spike (8032144-MS1) Source: SA76383-02										
Prepared: 31-Mar-08 Analyzed: 01-Apr-08										
Mercury	0.00459		mg/l	0.00020	0.00500	BRL	92	75-125		
Matrix Spike Dup (8032144-MSD1) Source: SA76383-02										
Prepared: 31-Mar-08 Analyzed: 01-Apr-08										
Mercury	0.00466		mg/l	0.00020	0.00500	BRL	93	75-125	2	20
Post Spike (8032144-PS1) Source: SA76383-02										
Prepared: 31-Mar-08 Analyzed: 01-Apr-08										
Mercury	0.00493		mg/l	0.00020	0.00500	BRL	99	85-115		

General Chemistry Parameters - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 8032115 - General Preparation										
Duplicate (8032115-DUP1)	**Source: SA76356-01**									
Prepared & Analyzed: 28-Mar-08										
pH	7.39		pH Units			7.39			0	5
Reference (8032115-SRM1)										
Prepared & Analyzed: 28-Mar-08										
pH	7.02		pH Units		7.00		100	97.5-102.5		
Batch 8032242 - General Preparation										
Blank (8032242-BLK1)										
Prepared & Analyzed: 31-Mar-08										
Reactivity	Non-reactive		mg/l							
Reactive Cyanide	BRL		mg/l	25.0						
Reactive Sulfide	BRL		mg/l	50.0						
Duplicate (8032242-DUP1)	**Source: SA76385-01**									
Prepared & Analyzed: 31-Mar-08										
Reactivity	Non-reactive		mg/l			on-reactive				200
Reactive Cyanide	BRL		mg/l	25.0		BRL				20
Reactive Sulfide	BRL		mg/l	50.0		BRL				20
Reference (8032242-SRM1)										
Prepared & Analyzed: 31-Mar-08										
Reactive Cyanide	3.82		mg/l	25.0	5.00		76	0-200		
Reference (8032242-SRM2)										
Prepared & Analyzed: 31-Mar-08										
Reactive Sulfide	184		mg/l	50.0	6700		3	0-200		

Notes and Definitions

E	The concentration indicated for this analyte is an estimated value. This value is considered an estimate (CLP E-flag).
pHHT	A hold time of 24 hours has been set to expedite the analyses through the laboratory. However, the hold time for pH is not specified within the method other than to state that the samples should be analyzed as soon as possible
QC1	Analyte out of acceptance range.
QC2	Analyte out of acceptance range in QC spike but no reportable concentration present in sample
QM7	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
QR2	The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.
QR8	Analyses are not controlled on RPD values from sample concentrations that are less than5 times the reporting level. The batch is accepted based upon the difference between the sample and duplicate is less than or equal to the reporting limit
Z-2	The MS/MS ran outside of the 12 hour time window.
BRL	Below Reporting Limit - Analyte NOT DETECTED at or above the reporting limit
dry	Sample results reported on a dry weight basis
NR	Not Reported
RPD	Relative Percent Difference
J	Detected but below the Reporting Limit; therefore, result is an estimated concentration (CLP J-Flag).

A plus sign (+) in the Method Reference column indicates the method is not accredited by NELAC

Laboratory Control Sample (LCS): A known matrix spiked with compound(s) representative of the target analytes, which is used to document laboratory performance.

Matrix Duplicate: An intra-laboratory split sample which is used to document the precision of a method in a given sample matrix

Matrix Spike: An aliquot of a sample spiked with a known concentration of target analyte(s). The spiking occurs prior to sample preparation and analysis. A matrix spike is used to document the bias of a method in a given sample matrix

Method Blank: An analyte-free matrix to which all reagents are added in the same volumes or proportions as used in sample processing. The method blank should be carried through the complete sample preparation and analytical procedure. The method blank is used to document contamination resulting from the analytical process

Method Detection Limit (MDL): The minimum concentration of a substance that can be measured and reported with99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix type containing the analyte.

Reportable Detection Limit (RDL): The lowest concentration that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operating conditions. For many analytes the RDL analyte concentration is selected as the lowest non-zero standard in the calibration curve. While the RDL is approximately 5 to 10 times the MDL, the RDL for each sample takes into account the sample volume/weight, extract/digestate volume, cleanup procedures and, if applicable, dry weight correction. Sample RDLs are highly matrix-dependent.

Surrogate: An organic compound which is similar to the target analyte(s) in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples. These compounds are spiked into all blanks, standards, and samples prior to analysis. Percent recoveries are calculated for each surrogate.

Validated by:
Hanibal C. Tayeh, Ph.D.
Nicole Brown

SA 76385 ✓ END

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 1 of 1

Special Handling:
- ☐ Standard TAT - 7 to 10 business days
- ☒ Rush TAT - Date Needed: 4/2/08
- All TATs subject to laboratory approval. Min. 24-hour notification needed for rushes.
- Samples disposed of after 60 days unless otherwise instructed.

Report To: New England Disposal Technologies
83 Gilmore Drive
Sutton, MA 01590

Project Mgr.: Lon Cohen

Invoice To: Same

P.O. No.: _____ RQN: _____

Project No.: _____
Site Name: Arrowood Housing Site
Location: Groton State: CT
Sampler(s): _____

1=$Na_2S_2O_3$ 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid
7=CH_3OH 8=$NaHSO_4$ 9=_____ 10=_____

DW=Drinking Water GW=Groundwater WW=Wastewater
O=Oil SW= Surface Water SO=Soil SL=Sludge A=Air
X1=_____ X2=_____ X3=_____

G=Grab C=Composite

QA Reporting Notes: (check if needed)
- ☐ Provide MA DEP MCP CAM Report
- ☐ Provide CT DPH RCP Report

QA/QC Reporting Level
☐ Standard ☐ No QC
☐ Other_____
State specific reporting standards: _____

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	Preservative	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic		pH	Cyanide/sulfide Reactiv.	Total TCLP Metals (RCRA 8)	VOC 8260	SVOC 8270	PCB			QA Reporting Notes
76385-01	DrumComp	3/27/08	1315	C	GW	4,5,2	2	4	~~3~~	1		X	X	X	X	X	X			Per R.R.

☐ Fax results when available to (____) _____
☒ E-mail to lcohen@NEDTinc.com
EDD Format _____
Condition upon receipt: ☐ Iced ☐ Ambient ☒ °C 3.9 Ref.

Relinquished by:	Received by:	Date:	Time:
Sandy Foster	[signature]	3/28/08	2:00 pm
[signature]	[signature]	3/28/08	15:00
[signature]	[signature]	3/28/08	17:30

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number: CRW024224890
2. Page 1 of 1
3. Emergency Response Phone: 800-698-1865
4. Manifest Tracking Number: 004134493 JJK

5. Generator's Name and Mailing Address
Naval Sub Base Environmental Dept.
Building #562 - P.O. Box 39
Groton CT 06349
Att: Linda Tirrell
Generator's Phone: 860 694-4298

Generator's Site Address (if different than mailing address)
U S SubaseNLON Nautilus Park Housing
Arrowwood Drive
Groton CT 06349

6. Transporter 1 Company Name: New England Disposal Technologies, Inc.
U.S. EPA ID Number: MAC300008059

7. Transporter 2 Company Name: New England Disposal Technologies, Inc.
U.S. EPA ID Number: MAC300008059

8. Designated Facility Name and Site Address
EQ - Detroit, Inc.
1923 Frederick Street
Detroit MI 48211
Facility's Phone: 313 923-0080
U.S. EPA ID Number: MID980991560

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
	1. Non-RCRA, non-DOT Regulated Material (water)	003	DM	00150	G	029L	GR04	
	2.							
	3.							
	4.							

14. Special Handling Instructions and Additional Information
1)E086004DET

Job# 01-8198

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: X Linda J. Tirrell
Signature: X
Month 05 Day 20 Year 08

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Shawn M. Ford
Signature:
Month 05 Day 20 Year 08
Transporter 2 Printed/Typed Name:
Signature:
Month Day Year

DESIGNATED FACILITY

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
18b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:
18c. Signature of Alternate Facility (or Generator)
Month Day Year
19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. 2. 3. 4.
20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name
Signature
Month Day Year

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number: C R W 0 2 4 2 2 4 8 9 0
2. Page 1 of 1
3. Emergency Response Phone: 800-698-1865
4. Manifest Tracking Number: 005199902 JJK

5. Generator's Name and Mailing Address
Naval Sub Base Environmental Dept.
Building #562 - P.O. Box 39
Groton CT 06349
Att: Linda Tirrell
Generator's Phone: 8 6 0 6 9 4 - 4 2 9 8

Generator's Site Address (if different than mailing address)
U S SubaseNLON Nautilus Park Housing
Arrowwood Drive
Groton CT 06349

6. Transporter 1 Company Name: New England Disposal Technologies, Inc.
U.S. EPA ID Number: M A C 3 0 0 0 0 8 0 5 9

7. Transporter 2 Company Name: New England Disposal Technologies, Inc.
U.S. EPA ID Number: M A C 3 0 0 0 0 8 0 5 9

8. Designated Facility Name and Site Address
EQ - Detroit, Inc.
1923 Frederick Street
Detroit MI 48211
Facility's Phone: 313 923-0080
U.S. EPA ID Number: M I D 9 8 0 9 9 1 5 6 6

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
	1. Non-RCRA, non-DOT Regulated Material (water)	2	DM	110	G	029L	CR04	
	2.							
	3.							
	4.							

14. Special Handling Instructions and Additional Information
1)E086004DET

Job# 01-8723

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: David W. Carter
Signature: [signature]
Month 10 Day 8 Year 08

GENERATOR

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Shawn M. Ford
Signature: [signature]
Month 10 Day 08 Year 08
Transporter 2 Printed/Typed Name:
Signature:
Month Day Year

DESIGNATED FACILITY

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
18b. Alternate Facility (or Generator) U.S. EPA ID Number
Facility's Phone:
18c. Signature of Alternate Facility (or Generator) Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. 2. 3. 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name Signature Month Day Year

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)